Analytical Report For 7084

for

IT Corporation

Project Manager: Maureen McMyler

Project Name : Plum Brook Ordnance Works

August 11, 2000

GPL

Laboratories

Laboratory Director

Project Manager

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GPL

Laboratories

CASE NARRATIVE

CLIENT: **IT CORPORATION.**
PROJECT/SITE: **PLUM BROOK ORDNANCE WORKS**
WORK ORDER(S): 7084
REVIEW DATE: 08/21/00

The Case Narrative, Chain of Custody, Sample Receipt Checklist, and the cover page of the Sample Analysis Report, are integral parts of GPL Laboratories' report package. If you did not receive all of these documents, please contact GPL immediately.

Sample Receipt

One water sample was received on 07/19/2000. The sample was delivered by FEDERAL EXPRESS. The sample was received intact. Sample receipt conditions and temperatures are documented on the Sample Receipt Checklist.

Sample Analysis

Samples were prepared and analyzed by GPL using the analytical methodologies indicated in the Analytical Report.

Explosives/HPLC

1. One water sample was extracted and analyzed for explosive compounds using SW846 method 8330.

2. The sample required diluted analysis for high levels of 1,3,5-TNB and TNT.

3. Matrix spike and matrix spike duplicate analyses were shared with GPL work-order 7068. Percent recoveries of HMX, Tetryl, 4-Amino-2,6-DNT and 2,4-DNT were slightly below QC in the MSD. The RPD for 1,3,5-TNB, Tetryl, and 2,4-DNT were above the QC limit. All other target analyte recoveries were within control limits.

4. A laboratory control sample was extracted and analyzed along with the sample batch. All target analyte recoveries were within control limits.

5. Explosive compounds 2,4-DNT and 2,6-DNT co-elute on the primary column and the confirmation column. The mixture of 2,4-DNT and 2,6-DNT in the LCS and MS/MSD samples is quantitated and reported as 2,4-DNT. A peak detected in the retention time window of 2,4-DNT and 2,6-DNT on both columns will be reported as an isomeric pair in samples under the results for 2,4-DNT.

6. Manual integration was performed on some data files, when automatic integration provided by the software was inappropriate. Some forms were "hand" corrected due to software limitations.

Project Manager

Lab Director

GPL LABORATORIES, LLP
ANALYTICAL RESULTS

Project Name : Plum Brook Ordnance Works

GPL ID	Client ID
7084-001-01-1/2	TNTA-SW11
7084-001-01-1/2	TNTA-SW11

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID TNTA-SW11
GPL ID: 7084-001-01-1/2
Matrix: Water
Date Collected: Jul-17-2000
Date Received: Jul-19-2000

Prep Method: EXT_SW8330
Prep Date: Jul-20-2000
Prep Time: 15:58
Prep Chemist: Reynaldo Caraan

Analytical Method: SW8330
Date Analyzed: Aug-09-2000
Time Analyzed 12:47
Analyst: Dayuan Han

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3-DNB	BQL	0.65	ug/L	U	1
2,4-Dinitrotoluene	BQL	0.65	ug/L	U	1
2,6-Dinitrotoluene	BQL	0.65	ug/L	U	1
2-Amino-4,6-Dinitrotoluene	64.7	0.65	ug/L		1
4-Amino-2,6-Dinitrotoluene	58.6	0.65	ug/L		1
HMX	BQL	1.3	ug/L	U	1
Nitrobenzene	BQL	0.65	ug/L	U	1
RDX	BQL	1.3	ug/L	U	1
Tetryl	BQL	1.3	ug/L	U	1
m-Nitrotoluene	BQL	1.3	ug/L	U	1
o-Nitrotoluene	BQL	1.3	ug/L	U	1
p-Nitrotoluene	BQL	1.3	ug/L	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID TNTA-SW11
GPL ID: 7084-001-01-1/2
Matrix: Water
Date Collected: Jul-17-2000
Date Received: Jul-19-2000

Prep Method: EXT_SW8330
Prep Date: Jul-20-2000
Prep Time: 15:58
Prep Chemist: Reynaldo Caraan

Analytical Method: SW8330
Date Analyzed: Aug-09-2000
Time Analyzed 18:59
Analyst: Dayuan Han

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	466	325	ug/L		500
2,4,6-Trinitrotoluene	11000	325	ug/L		500

2C
WATER EXPLOSIVES SURROGATE RECOVERY

Lab Name: GPL_LABORATORIES Contract: IT_PBOW

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

	CLIENT SAMPLE NO.	S1 #	TOT OUT
01	NBLKA	93	0
02	NLCSA	98	0
03	TNTA-SW11	63	0
04	TNTA-SW11 DIL	* D.I.	*

08/20

S1 = 4-NITROANILINE QC LIMITS (22-98)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogate diluted out

3C

WATER EXPLOSIVES MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: GPL_LABORATORIES Contract: IT_PBOW

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Matrix Spike - EPA Sample No.: WP5-01

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
HMX	7.8	0.0	5.1	65	56 - 116
1,3,5-TRINITROBENZENE	3.9	0.0	2.8	72	26 - 150
TETRYL	7.8	0.0	2.1	27	20 - 143
2,4,6-TRINITROTOLUENE	3.9	0.0	4.0	103	38 - 157
4-AMINO-2,6-DINITROTOLU	3.9	0.0	2.5	64	60 - 128
RDX	7.8	0.0	6.0	77	41 - 121
1,3-DINITROBENZENE	3.9	0.0	2.9	74	50 - 115
NITROBENZENE	3.9	0.0	3.0	77	52 - 113
2-AMINO-4,6-DINITROTOLU	3.9	0.0	4.4	113	51 - 120
2,4-DINITROTOLUENE	7.8	0.0	4.0	51	48 - 97
4-NITROTOLUENE	7.8	0.0	4.7	60	41 - 128
2-NITROTOLUENE	7.8	0.0	5.5	71	45 - 125
3-NITROTOLUENE	7.8	0.0	5.8	74	50 - 117

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
HMX	7.8	4.1	53 *	20	25	56 - 116
1,3,5-TRINITROBENZENE	3.9	2.1	54	29 *	25	26 - 150
TETRYL	7.8	1.4	18 *	40 *	25	20 - 143
2,4,6-TRINITROTOLUENE	3.9	3.2	82	23	25	38 - 157
4-AMINO-2,6-DINITROTOLU	3.9	2.0	51 *	23	25	60 - 128
RDX	7.8	4.9	63	20	25	41 - 121
1,3-DINITROBENZENE	3.9	2.3	59	23	25	50 - 115
NITROBENZENE	3.9	2.4	62	22	25	52 - 113
2-AMINO-4,6-DINITROTOLU	3.9	3.7	95	17	25	51 - 120
2,4-DINITROTOLUENE	7.8	2.8	36 *	34 *	25	48 - 97
4-NITROTOLUENE	7.8	4.2	54	11	25	41 - 128
2-NITROTOLUENE	7.8	4.4	56	24	25	45 - 125

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 3 out of 13 outside limits

Spike Recovery: 4 out of 26 outside limits

COMMENTS:

3C

WATER EXPLOSIVES MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: GPL_LABORATORIES Contract: IT_PBOW

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Matrix Spike - EPA Sample No.: WP5-01

3-NITROTOLUENE	7.8	4.7	60	21	25	50-	117

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 0 outside limits

Spike Recovery: 0 out of 0 outside limits

COMMENTS:

3F
WATER LABORATORY CONTROL SPIKE RECOVERY

Lab Name: GPL Laboratories Contract: IT_PBOW

Lab Code: GPLL Case No.: N/A SAS No. N/A SDG No.: N/A

EPA Sample No.: NLCSA GP ID: NBLK-3295-MS

COMPOUND	SPIKE ADDED ug/l	LCS CONCENTRATION ug/l	LCS % REC	QC LIMITS
HMX	7.8	6.9	88	72-127
1,3,5-TNB	3.9	3.5	90	20-150
TETRYL	7.8	4.1	52	20-104
TNT	3.9	4.9	124	75-150
4-AMINO-2,6-DNT	3.9	3.3	83	63-121
4-NITROTOLUENE	7.8	6.4	82	57-139
RDX	7.8	8.2	106	78-124
1,3-DINITROBENZENE	3.9	3.7	96	65-141
NITROBENZENE	3.9	3.6	93	71-134
2-AMINO-4,6-DNT	3.9	3.9	100	43-150
2,4-DNT	7.8	5.4	69	53-101
2-NITROTOLUENE	7.8	7.2	92	63-132
3-NITROTOLUENE	7.8	7.4	95	68-133

* OUTSIDE QC LIMIT

COMMENTS:

FORM III 8330

4B

EXPLOSIVES METHOD BLANK SUMMARY

EPA SAMPLE NO.

NBLKA

Lab Name: GPL_LABORATORIES Contract: IT_PBOW

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Lab File ID: LCA9780.D Lab Sample ID: NBLK 3295

Instrument ID: LCA Date Extracted: 07/20/00

Matrix: (soil/water) WATER Date Analyzed: 07/24/00

Level: (low/med) LOW Time Analyzed: 16:25

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	Client Sample NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	NLCSA	NBLK 3295 MS	LCA9781.D	07/24/00
02	TNTA-SW11	0007084-001	LCA0445.D	08/09/00
03	TNTA-SW11 DIL	0007084-001 500X	LCA0458.D	08/09/00

COMMENTS:

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Possible notes and definitions for this report:

BQL	= Below Quantitation Limit
J	= Value is less than the reporting limits but greater than the MDL
P	= Indicates that there is greater than 25% difference for detected pesticide/Aroclor results between the two GC columns
B	= Indicates that the compound was found in the associated blank
E	= Indicates that the concentration exceeded the calibration range of the instrument
U	= Indicates that the compound was analyzed for but not detected, number indicates the reporting limit
D	= Indicates that the compound was found in an analysis at a secondary dilution factor
•	= Value obtained from a 1:5 dilution
+	= Value obtained from a 1:10 dilution
#	= Value obtained from a 1:20 dilution
=	= Value obtained from a 1:25 dilution
^	= Value obtained from a 1:50 dilution
~	= Value obtained from a 1:100 dilution
!	= Value obtained from a 1:250 dilution
@	= Value obtained from a 1:125 dilution (medium level)
$	= Value obtained from a 1:500 dilution
&	= Value obtained from a 1:1000 dilution
N	= Flashpoint not observed; heated to specified limit
R	= Flammable at room temperature
TNTC	= Too numerous to count
B.P.	= Detection limit taken from boiling point
F.F.	= Sample gave off flammable fumes

Project # ~~3014~~ 3015

IT CORPORATION
A Member of The IT Group

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: PBOW071800-GPL

Project Number: 807111
Samples Shipment Date: 18 JUL 2000
Project Name: PLUM BROOK ORDNANCE WKS
Lab Destination: GPL Labotatories
Sample Coordinator: Maureen McMyler
Lab Contact: Bill Lock
Turnaround Time:
Project Contact: Maureen McMyler
Carrier/Waybill No.: Fed Ex/819351735036

Bill To: Accounts Receivable
312 Directors Drive
Knoxville TN 37923

Report To: Maureen McMyler
312 Directors Drive
Knoxville TN 37923

Special Instructions:

Possible Hazard Indentification:
Non-hazard [ ] Flammable [ ] Skin Irritant [ ] Poison B [ ] Unknown [ ]

1. Relinquished By (Signature/Affiliation) John Warren Date: 07/18/00 Time: 17:00
2. Relinquished By (Signature/Affiliation) Date: Time:
3. Relinquished By (Signature/Affiliation) Date: Time:

Sample Disposal:
Return to Client [ ] Disposal by Lab [ ] Archive (mos.)

1. Received By (Signature/Affiliation) Date: Time:
2. Received By (Signature/Affiliation) Date: Time:
3. Received By (Signature/Affiliation) Date: Time:

Comments:

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
TNTA-SW11	TNTA-SO080-WA-TNTA-SW10-REG	17 JUL 2000	13:30	1 L Amb. Glass	2	None except cool to 4 C	Nitroaromatics by SW-846 8330	N		

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Figure 1
SAMPLE RECEIPT CHECKLIST

W.O. No: 7058 Carrier Name: Fedex

Client Name: IT Corporation Prepared (Logged In) By: / (Initials Date)

Date Received: 7·19·00 Project: Plum Brook Ordinance WRS

Time Received: 10:25 Site:

Received By: D. Turner VOA Holding Blank I.D. No:

	YES	NO		YES	NO
Airbill/Manifest Present?	✓		Trip Blanks: No. of Sets		✓
No. 8193517350.36			Field Blanks: No. of Sets		✓
			Equip. Blank: No. of Sets		✓
			Field Duplicate: No. of Sets		✓
Shipping Container in Good Condition?	✓		MS/MSD: No of Sets		✓
Custody Seals Present on Shipping Container?		✓	VOA Vials Have Zero Headspace?		✓
Condition: Broken					
Intact-not dated or signed			Preservatives Added to Sample?		✓
Intact-dated and signed					
			pH Check Required?		✓
Usage of Tamper Evident Type		✓	Performed By?		✓
Chain-of-Custody Present?	✓		Ice Present in Shipping Container?	✓	
Chain-of-Custody Agrees with Sample Labels?	✓				
Chain-of-Custody Signed?	✓				
Packing Present in Shipping Container?	✓				
Type of Packing bubble wrap					
Custody seals on Sample Bottles?		✓			
Condition: Good Broken					
Total Number of Sample Bottles 2					
Total Number of Samples 1					
Samples Intact?	✓				
Sufficient Sample Volume for Indicated Test?	✓				

Container #	Temp.	Container #	Temp.
1	4.0		

D. Turner 7·19·00

Project Manager Contacted?
Name: Bill Lock
Date Contacted: 7·19·00

Any NO response must be detailed in the comments section below. If items are not applicable to particular samples or contracts, they should be marked N/A/

COMMENTS:

Checklist Completed By: D. Turner

Date: 7·19·00

Analytical Report For 9122

for

IT Corporation

Project Manager: Maureen McMyler

Project Name : Plumbrook Ordnance Works

October 16, 2000

GPL

Laboratories

Project Manager

Laboratory Director

202 Perry Parkway Gaithersburg, MD 20877 Phone (301) 926 6802 Fax: (301) 840) 1209
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GPL

Laboratories

CASE NARRATIVE

CLIENT: IT CORPORATION
PROJECT/SITE: PLUMBROOK ORDNANCE WORKS
WORK ORDER(S): 9122
REVIEW DATE: 10/16/00

The Case Narrative, Chain of Custody, Sample Receipt Checklist, and the cover page of the Analytical Report, are integral parts of GPL Laboratories' report package. If you did not receive all of these documents, please contact GPL immediately.

Sample Receipt

Nine soils and Eight water samples were received on 09/20/2000. The samples were delivered by Federal Express. The samples were received intact. Sample receipt conditions and temperatures are documented on the Sample Receipt Checklist.

Sample Analysis

Samples were prepared and analyzed by GPL using the analytical methodologies indicated in the Analytical Report of Analysis.

Volatile Analysis

1. Six soils and seven water samples were analyzed for volatile organic using 8260B methodologies.

2. The matrix spike and matrix spike duplicate analyses were performed on sample AB1001 and AB2001.

3. Two laboratory control sample (LCS) reports were submitted with this package.

4. The lowest calibration level reported for acetone and 2-butanone in the initial calibration curve report, 8625BW20.M, was 5 ug/L.

Semivolatile Analysis

1. Six water samples and six soil samples were extracted using method 3520C and 3550B respectively. These samples were analyzed for semivolatile organic compounds using USEPA method 8270C.

2. Sample AB2001MSD did not meet surrogate method criteria. The sample and MS/MSD were re-extracted outside holding time. The re-extract MS/MSD had acceptable surrogate and matrix spike recoveries. Sample AB2001RE did not meet surrogate criteria. Both results are included in the data package.

3. For the water samples matrix spike and duplicate analysis was performed on sample AB2001. There were three spike recoveries and six RPDs outside of QC limits. A laboratory control sample was also extracted and analyzed with the batch. LCSA had two spike recoveries outside of QC limits.

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CASE NARRATIVE

CLIENT: IT CORPORATION
PROJECT/SITE: PLUMBROOK ORDNANCE WORKS
WORK ORDER(S): 9122
REVIEW DATE: 10/16/00

4. For the soil samples matrix spike and duplicate analysis was performed on sample AB1001. One spike recovery was outside of QC limits. A laboratory control spike was also performed with the batch.

5. The continuing calibration analyzed on 10/09/00 had Pentachlorophenol at 24.8%D. Re-analyses were not performed since it was not detected in the samples that were analyzed that day.

PCBs

1. Six soil and six water samples were extracted and analyzed for PCB compounds using method 8082.

2. Matrix spike and MSD analysis for the soil was performed on sample AB1001 and for the water samples on sample AB2001. AR1260 recovery and % RPD for AB2001 MS/MSD was outside QC limits. A laboratory control spike was performed with each matrix. AR1260 recovery for PLCSB was slightly below QC limits.

3. Surrogate DCB is above QC limits for PBLKA, PLCSA, PLCSB, AB1001 MSD and AB1002 on RTX-CLP2 column.

4. Concentrations reported on Form I are the higher values of results generated by two columns. However, the analyst based on the evaluation of quality control parameters determines the most reliable results. Flagged concentrations (*) on Form I indicate that reported results are the lower values.

5. Due to software limitations, some forms were corrected manually.

Explosives

1. Six soil samples and six water samples were extracted and analyzed for explosive compounds using SW846 method 8330.

2. Matrix spike and matrix spike duplicate analyses were performed on sample AB2001 for water samples and on sample AB1001 for soil samples. The RPD of Tetryl for soil sample batch was above control limits, however both the MS and MSD percent recoveries of this compound were within control limits. All other target analyte recoveries were within control limits.

3. One laboratory control sample was extracted and analyzed along with each sample matrix batch. All target analyte recoveries were within control limits.

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CASE NARRATIVE

CLIENT: IT CORPORATION
PROJECT/SITE: PLUMBROOK ORDNANCE WORKS
WORK ORDER(S): 9122
REVIEW DATE: 10/16/00

4. Explosive compounds 2,4-DNT and 2,6-DNT co-elute on the primary column and the confirmation column. The mixture of 2,4-DNT and 2,6-DNT in the LCS and MS/MSD samples is quantitated and reported as 2,4-DNT. A peak detected in the retention time window of 2,4-DNT and 2,6-DNT on both columns will be reported as an isomeric pair in samples under the results for 2,4-DNT.

5. Manual integration was performed on some data files, when automatic integration provided by the software was inappropriate. Some forms were "hand" corrected due to software limitations.

Metals

1. Six water samples and six soil samples were analyzed for HSL metals by EPA SW846 methodologies.

2. The soil and water samples were reported on separate forms.

3. A matrix spike and duplicate were performed on the water sample AB2001for all required analytes. A serial dilution was also performed for the ICP analytes. No control limits were applied to the matrix spike for calcium, and magnesium due to an insignificant spike addition.

4. A matrix spike and duplicate were performed on soil sample AB1001for all required analytes. A serial dilution was performed also for the ICP analytes. The matrix spike was outside of the control limits for antimony, and potassium; all associated data was flagged with an "N". A post digestion analytical spike was performed with a recovery of 95.8% for antimony. No control limits were applied to the matrix spike for aluminum, calcium, iron, magnesium, and manganese due to an insignificant spike addition. The duplicate was outside of the control limits for calcium; all associated data was flagged with an "*".

5. Calibration standards are verified against independent check standards purchased from a commercial vendor of environmental standards.

6. All GPL QA/QC criteria were met with the exceptions of those mentioned above.

Project Manager

Lab Director

GPL LABORATORIES, LLP
ANALYTICAL RESULTS

Project Name : Plumbrook Ordnance Works

Date Printe October 16, 2000

GPL ID	Client ID
9122-002-03-1/1	AB1001
9122-005-03-1/1	AB1002
9122-006-03-1/1	AB1003
9122-007-03-1/1	AB1004
9122-008-03-1/1	AB1006
9122-009-03-1/1	AB1016
9122-010-06-1	AB2001
9122-013-06-1	AB2002
9122-014-06-1	AB2003
9122-015-06-1	AB2004
9122-016-06-1	AB2006
9122-017-06-1	AB2016
9122-002-01-1/2	AB1001
9122-002-03-1/1	AB1001
9122-005-01-1/2	AB1002
9122-005-03-1/1	AB1002
9122-006-01-1/2	AB1003
9122-006-01-1/2	AB1003
9122-006-03-1/1	AB1003
9122-007-01-1/2	AB1004
9122-007-03-1/1	AB1004
9122-008-01-1/2	AB1006
9122-008-03-1/1	AB1006
9122-009-01-1/2	AB1016
9122-009-03-1/1	AB1016
9122-010-06-1	AB2001
9122-013-06-1	AB2002
9122-014-06-1	AB2003
9122-015-06-1	AB2004
9122-016-06-1	AB2006
9122-017-06-1	AB2016
9122-002-03-1/1	AB1001
9122-005-03-1/1	AB1002
9122-006-03-1/1	AB1003
9122-007-03-1/1	AB1004
9122-008-03-1/1	AB1006
9122-009-03-1/1	AB1016
9122-010-09-1/2	AB2001
9122-013-09-1/2	AB2002
9122-014-09-1/2	AB2003
9122-015-09-1/2	AB2004
9122-016-09-1/2	AB2006
9122-017-07-1/2	AB2016
9122-002-04-1/1	AB1001
9122-005-04-1/1	AB1002
9122-006-04-1/1	AB1003
9122-007-04-1/1	AB1004

GPL LABORATORIES, LLP
ANALYTICAL RESULTS

Project Name : Plumbrook Ordnance Works

Date Printe October 16, 2000

GPL ID	Client ID
9122-008-04-1/1	AB1006
9122-009-04-1/1	AB1016
9122-002-01-1/2	AB1001
9122-005-01-1/2	AB1002
9122-006-01-1/2	AB1003
9122-007-01-1/2	AB1004
9122-008-01-1/2	AB1006
9122-009-01-1/2	AB1016
9122-001-01-1/2	09182000-TB
9122-010-01-1/3	AB2001
9122-013-01-1/3	AB2002
9122-014-01-1/3	AB2003
9122-015-01-1/3	AB2004
9122-016-01-1/3	AB2006
9122-017-01-1/3	AB2016
9122-010-07-1/2	AB2001
9122-013-07-1/2	AB2002
9122-014-07-1/2	AB2003
9122-015-07-1/2	AB2004
9122-016-07-1/2	AB2006
9122-017-09-1/1	AB2016
9122-002-04-1/1	AB1001
9122-005-04-1/1	AB1002
9122-006-04-1/1	AB1003
9122-007-04-1/1	AB1004
9122-008-04-1/1	AB1006
9122-009-04-1/1	AB1016
9122-002-03-1/1	AB1001
9122-005-03-1/1	AB1002
9122-006-03-1/1	AB1003
9122-007-03-1/1	AB1004
9122-008-03-1/1	AB1006
9122-009-03-1/1	AB1016
9122-010-04-1/2	AB2016
9122-013-04-1/2	AB2016
9122-014-04-1/2	AB2016
9122-015-04-1/2	AB2016
9122-016-04-1/2	AB2016
9122-017-04-1/2	AB2016

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB1001
GPL ID: 9122-002-03-1/1
Matrix: Soil
Date Collected: Sep-18-2000
Date Received: Sep-20-2000

Prep Method:
Prep Date:
Prep Time:
Prep Chemist:

Analytical Method: CLP_SOLIDS
Date Analyzed: Sep-21-2000
Time Analyzed 11:35
Analyst: Roya Sabouri

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Percent Solids	74.6	1	%		1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB1002	**Prep Method:**	**Analytical Method: CLP_SOLIDS**
GPL ID: 9122-005-03-1/1	**Prep Date:**	**Date Analyzed: Sep-21-2000**
Matrix: Soil	**Prep Time:**	**Time Analyzed 11:35**
Date Collected: Sep-18-2000	**Prep Chemist:**	**Analyst: Roya Sabouri**
Date Received: Sep-20-2000		

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Percent Solids	58.1	1	%		1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB1003	Prep Method:	Analytical Method: CLP_SOLIDS
GPL ID: 9122-006-03-1/1	Prep Date:	Date Analyzed: Sep-21-2000
Matrix: Soil	Prep Time:	Time Analyzed 11:35
Date Collected: Sep-18-2000	Prep Chemist:	Analyst: Roya Sabouri
Date Received: Sep-20-2000		

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Percent Solids	71.5	1	%		1

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GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB1004	**Prep Method:**	**Analytical Method: CLP_SOLIDS**
GPL ID: 9122-007-03-1/1	**Prep Date:**	**Date Analyzed: Sep-21-2000**
Matrix: Soil	**Prep Time:**	**Time Analyzed 11:35**
Date Collected: Sep-18-2000	**Prep Chemist:**	**Analyst: Roya Sabouri**
Date Received: Sep-20-2000		

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Percent Solids	60.3	1	%		1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB1006
GPL ID: 9122-008-03-1/1
Matrix: Soil
Date Collected: Sep-18-2000
Date Received: Sep-20-2000

Prep Method:
Prep Date:
Prep Time:
Prep Chemist:

Analytical Method: CLP_SOLIDS
Date Analyzed: Sep-21-2000
Time Analyzed 11:35
Analyst: Roya Sabouri

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Percent Solids	70.6	1	%		1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB1016	Prep Method:	Analytical Method: CLP_SOLIDS
GPL ID: 9122-009-03-1/1	Prep Date:	Date Analyzed: Sep-21-2000
Matrix: Soil	Prep Time:	Time Analyzed 11:35
Date Collected: Sep-18-2000	Prep Chemist:	Analyst: Roya Sabouri
Date Received: Sep-20-2000		

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Percent Solids	67.9	1	%		1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB2001
GPL ID: 9122-010-06-1
Matrix: Water
Date Collected: Sep-18-2000
Date Received: Sep-20-2000

Prep Method: SW3010A
Prep Date: Oct-03-2000
Prep Time: 14:21
Prep Chemist: Teshome Tamitre

Analytical Method: SW6010B
Date Analyzed: Oct-04-2000
Time Analyzed 17:54
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	454	200	ug/L		1
Antimony	BQL	6	ug/L	U	1
Arsenic	BQL	5	ug/L	U	1
Barium	40.9	5	ug/L		1
Beryllium	0.144	1	ug/L	J	1
Cadmium	BQL	3	ug/L	U	1
Calcium	195000	500	ug/L		1
Chromium	1.35	5	ug/L	J	1
Cobalt	BQL	5	ug/L	U	1
Copper	1.36	5	ug/L	J	1
Iron	455	100	ug/L		1
Lead	BQL	3	ug/L	U	1
Magnesium	43900	250	ug/L		1
Manganese	69.2	5	ug/L		1
Nickel	3.49	5	ug/L	J	1
Potassium	2090	250	ug/L		1
Selenium	BQL	5	ug/L	U	1
Silver	BQL	3	ug/L	U	1
Sodium	5300	1000	ug/L		1
Thallium	BQL	10	ug/L	U	1
Vanadium	1.07	5	ug/L	J	1
Zinc	4.52	15	ug/L	J	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB2002
GPL ID: 9122-013-06-1
Matrix: Water
Date Collected: Sep-18-2000
Date Received: Sep-20-2000

Prep Method: SW3010A
Prep Date: Oct-03-2000
Prep Time: 14:21
Prep Chemist: Teshome Tamitre

Analytical Method: SW6010B
Date Analyzed: Oct-04-2000
Time Analyzed 18:42
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	876	200	ug/L		1
Antimony	BQL	6	ug/L	U	1
Arsenic	BQL	5	ug/L	U	1
Barium	28.1	5	ug/L		1
Beryllium	0.162	1	ug/L	J	1
Cadmium	BQL	3	ug/L	U	1
Calcium	103000	500	ug/L		1
Chromium	1.93	5	ug/L	J	1
Cobalt	BQL	5	ug/L	U	1
Copper	3.82	5	ug/L	J	1
Iron	1370	100	ug/L		1
Lead	2.57	3	ug/L	J	1
Magnesium	25600	250	ug/L		1
Manganese	167	5	ug/L		1
Nickel	BQL	5	ug/L	U	1
Potassium	1490	250	ug/L		1
Selenium	BQL	5	ug/L	U	1
Silver	BQL	3	ug/L	U	1
Sodium	1820	1000	ug/L		1
Thallium	BQL	10	ug/L	U	1
Vanadium	2.05	5	ug/L	J	1
Zinc	22.3	15	ug/L		1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB2003
GPL ID: 9122-014-06-1
Matrix: Water
Date Collected: Sep-18-2000
Date Received: Sep-20-2000

Prep Method: SW3010A
Prep Date: Oct-03-2000
Prep Time: 14:21
Prep Chemist: Teshome Tamitre

Analytical Method: SW6010B
Date Analyzed: Oct-04-2000
Time Analyzed 18:48
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	176	200	ug/L	J	1
Antimony	BQL	6	ug/L	U	1
Arsenic	BQL	5	ug/L	U	1
Barium	28.0	5	ug/L		1
Beryllium	0.122	1	ug/L	J	1
Cadmium	BQL	3	ug/L	U	1
Calcium	99700	500	ug/L		1
Chromium	2.04	5	ug/L	J	1
Cobalt	BQL	5	ug/L	U	1
Copper	BQL	5	ug/L	U	1
Iron	555	100	ug/L		1
Lead	2.20	3	ug/L	J	1
Magnesium	27200	250	ug/L		1
Manganese	74.0	5	ug/L		1
Nickel	BQL	5	ug/L	U	1
Potassium	967	250	ug/L		1
Selenium	BQL	5	ug/L	U	1
Silver	BQL	3	ug/L	U	1
Sodium	1350	1000	ug/L		1
Thallium	BQL	10	ug/L	U	1
Vanadium	BQL	5	ug/L	U	1
Zinc	6.88	15	ug/L	J	1

Summary of Analytical Results

Client ID AB2004
GPL ID: 9122-015-06-1
Matrix: Water
Date Collected: Sep-18-2000
Date Received: Sep-20-2000

Prep Method: SW3010A
Prep Date: Oct-03-2000
Prep Time: 14:21
Prep Chemist: Teshome Tamitre

Analytical Method: SW6010B
Date Analyzed: Oct-04-2000
Time Analyzed 18:54
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	1190	200	ug/L		1
Antimony	BQL	6	ug/L	U	1
Arsenic	BQL	5	ug/L	U	1
Barium	125	5	ug/L		1
Beryllium	0.206	1	ug/L	J	1
Cadmium	BQL	3	ug/L	U	1
Calcium	162000	500	ug/L		1
Chromium	2.23	5	ug/L	J	1
Cobalt	BQL	5	ug/L	U	1
Copper	1.95	5	ug/L	J	1
Iron	15300	100	ug/L		1
Lead	6.89	3	ug/L		1
Magnesium	25700	250	ug/L		1
Manganese	1230	5	ug/L		1
Nickel	BQL	5	ug/L	U	1
Potassium	1880	250	ug/L		1
Selenium	BQL	5	ug/L	U	1
Silver	BQL	3	ug/L	U	1
Sodium	2990	1000	ug/L		1
Thallium	BQL	10	ug/L	U	1
Vanadium	3.00	5	ug/L	J	1
Zinc	18.2	15	ug/L		1

Summary of Analytical Results

Client ID AB2006
GPL ID: 9122-016-06-1
Matrix: Water
Date Collected: Sep-18-2000
Date Received: Sep-20-2000

Prep Method: SW3010A
Prep Date: Oct-03-2000
Prep Time: 14:21
Prep Chemist: Teshome Tamitre

Analytical Method: SW6010B
Date Analyzed: Oct-04-2000
Time Analyzed 19:00
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	3830	200	ug/L		1
Antimony	BQL	6	ug/L	U	1
Arsenic	BQL	5	ug/L	U	1
Barium	76.3	5	ug/L		1
Beryllium	0.316	1	ug/L	J	1
Cadmium	BQL	3	ug/L	U	1
Calcium	146000	500	ug/L		1
Chromium	4.45	5	ug/L	J	1
Cobalt	2.43	5	ug/L	J	1
Copper	5.81	5	ug/L		1
Iron	7510	100	ug/L		1
Lead	5.84	3	ug/L		1
Magnesium	32300	250	ug/L		1
Manganese	621	5	ug/L		1
Nickel	5.99	5	ug/L		1
Potassium	2520	250	ug/L		1
Selenium	BQL	5	ug/L	U	1
Silver	BQL	3	ug/L	U	1
Sodium	5290	1000	ug/L		1
Thallium	BQL	10	ug/L	U	1
Vanadium	7.12	5	ug/L		1
Zinc	24.3	15	ug/L		1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB2016
GPL ID: 9122-017-06-1
Matrix: Water
Date Collected: Sep-18-2000
Date Received: Sep-20-2000

Prep Method: SW3010A
Prep Date: Oct-03-2000
Prep Time: 14:21
Prep Chemist: Teshome Tamitre

Analytical Method: SW6010B
Date Analyzed: Oct-04-2000
Time Analyzed 19:06
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	541	200	ug/L		1
Antimony	BQL	6	ug/L	U	1
Arsenic	BQL	5	ug/L	U	1
Barium	38.8	5	ug/L		1
Beryllium	0.118	1	ug/L	J	1
Cadmium	8.87	3	ug/L		1
Calcium	169000	500	ug/L		1
Chromium	1.78	5	ug/L	J	1
Cobalt	BQL	5	ug/L	U	1
Copper	1.75	5	ug/L	J	1
Iron	430	100	ug/L		1
Lead	BQL	3	ug/L	U	1
Magnesium	38300	250	ug/L		1
Manganese	52.7	5	ug/L		1
Nickel	2.86	5	ug/L	J	1
Potassium	1840	250	ug/L		1
Selenium	BQL	5	ug/L	U	1
Silver	BQL	3	ug/L	U	1
Sodium	5200	1000	ug/L		1
Thallium	BQL	10	ug/L	U	1
Vanadium	1.25	5	ug/L	J	1
Zinc	BQL	15	ug/L	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB1001
GPL ID: 9122-002-01-1/2
Matrix: Soil
Date Collected: Sep-18-2000
Date Received: Sep-20-2000

Prep Method: SW3050B
Prep Date: Oct-10-2000
Prep Time: 13:01
Prep Chemist: Teshome Tamitre

Analytical Method: SW6010B
Date Analyzed: Oct-11-2000
Time Analyzed 20:07
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Antimony	BQL	1.61	mg/kg	U	2
Arsenic	20.0	1.34	mg/kg		2
Barium	94.2	1.34	mg/kg		2
Beryllium	0.941	0.268	mg/kg		2
Cadmium	0.728	0.805	mg/kg	J	2
Calcium	6740	134	mg/kg		2
Chromium	25.2	1.34	mg/kg		2
Cobalt	18.5	1.34	mg/kg		2
Copper	30.5	1.34	mg/kg		2
Iron	44800	26.8	mg/kg		2
Lead	15.9	0.805	mg/kg		2
Magnesium	5450	67.1	mg/kg		2
Manganese	943	1.34	mg/kg		2
Nickel	46.5	1.34	mg/kg		2
Potassium	3280	67.1	mg/kg		2
Selenium	1.17	1.34	mg/kg	J	2
Silver	BQL	0.805	mg/kg	U	2
Sodium	229	268	mg/kg	J	2
Thallium	BQL	2.68	mg/kg	U	2
Vanadium	37.9	1.34	mg/kg		2
Zinc	86.7	4.02	mg/kg		2

Summary of Analytical Results

Client ID AB1001
GPL ID: 9122-002-03-1/1
Matrix: Soil
Date Collected: Sep-18-2000
Date Received: Sep-20-2000

Prep Method: SW3050B
Prep Date: Oct-06-2000
Prep Time: 15:11
Prep Chemist: Teshome Tamitre

Analytical Method: SW6010B
Date Analyzed: Oct-09-2000
Time Analyzed 22:49
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	15600	49.2	mg/kg		2

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB1002
GPL ID: 9122-005-01-1/2
Matrix: Soil
Date Collected: Sep-18-2000
Date Received: Sep-20-2000

Prep Method: SW3050B
Prep Date: Oct-10-2000
Prep Time: 13:01
Prep Chemist: Teshome Tamitre

Analytical Method: SW6010B
Date Analyzed: Oct-11-2000
Time Analyzed 20:46
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Antimony	BQL	1.95	mg/kg	U	2
Arsenic	BQL	1.63	mg/kg	U	2
Barium	33.6	1.63	mg/kg		2
Beryllium	0.272	0.325	mg/kg	J	2
Cadmium	0.365	0.975	mg/kg	J	2
Calcium	11500	162	mg/kg		2
Chromium	9.35	1.63	mg/kg		2
Cobalt	3.84	1.63	mg/kg		2
Copper	15.4	1.63	mg/kg		2
Iron	11500	32.5	mg/kg		2
Lead	22.5	0.975	mg/kg		2
Magnesium	1790	81.2	mg/kg		2
Manganese	154	1.63	mg/kg		2
Nickel	12.1	1.63	mg/kg		2
Potassium	1230	81.2	mg/kg		2
Selenium	1.72	1.63	mg/kg		2
Silver	BQL	0.975	mg/kg	U	2
Sodium	196	325	mg/kg	J	2
Thallium	BQL	3.25	mg/kg	U	2
Vanadium	12.9	1.63	mg/kg		2
Zinc	52.9	4.87	mg/kg		2

Summary of Analytical Results

Client ID AB1002
GPL ID: 9122-005-03-1/1
Matrix: Soil
Date Collected: Sep-18-2000
Date Received: Sep-20-2000

Prep Method: SW3050B
Prep Date: Oct-06-2000
Prep Time: 15:11
Prep Chemist: Teshome Tamitre

Analytical Method: SW6010B
Date Analyzed: Oct-09-2000
Time Analyzed 23:45
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	4990	66.9	mg/kg		2

Summary of Analytical Results

Client ID AB1003
GPL ID: 9122-006-01-1/2
Matrix: Soil
Date Collected: Sep-18-2000
Date Received: Sep-20-2000

Prep Method: SW3050B
Prep Date: Oct-10-2000
Prep Time: 13:01
Prep Chemist: Teshome Tamitre

Analytical Method: SW6010B
Date Analyzed: Oct-12-2000
Time Analyzed 17:46
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Calcium	182000	327	mg/kg		5

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB1003
GPL ID: 9122-006-01-1/2
Matrix: Soil
Date Collected: Sep-18-2000
Date Received: Sep-20-2000

Prep Method: SW3050B
Prep Date: Oct-10-2000
Prep Time: 13:01
Prep Chemist: Teshome Tamitre

Analytical Method: SW6010B
Date Analyzed: Oct-11-2000
Time Analyzed 20:52
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Antimony	BQL	1.57	mg/kg	U	2
Arsenic	3.27	1.31	mg/kg		2
Barium	42.6	1.31	mg/kg		2
Beryllium	0.646	0.261	mg/kg		2
Cadmium	0.381	0.784	mg/kg	J	2
Chromium	12.6	1.31	mg/kg		2
Cobalt	7.70	1.31	mg/kg		2
Copper	13.0	1.31	mg/kg		2
Iron	16200	26.1	mg/kg		2
Lead	14.4	0.784	mg/kg		2
Magnesium	3190	65.4	mg/kg		2
Manganese	1130	1.31	mg/kg		2
Nickel	19.3	1.31	mg/kg		2
Potassium	2160	65.4	mg/kg		2
Selenium	BQL	1.31	mg/kg	U	2
Silver	BQL	0.784	mg/kg	U	2
Sodium	263	261	mg/kg		2
Thallium	BQL	2.61	mg/kg	U	2
Vanadium	13.4	1.31	mg/kg		2
Zinc	19.8	3.92	mg/kg		2

Summary of Analytical Results

Client ID AB1003
GPL ID: 9122-006-03-1/1
Matrix: Soil
Date Collected: Sep-18-2000
Date Received: Sep-20-2000

Prep Method: SW3050B
Prep Date: Oct-06-2000
Prep Time: 15:11
Prep Chemist: Teshome Tamitre

Analytical Method: SW6010B
Date Analyzed: Oct-09-2000
Time Analyzed 23:51
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	8000	55.4	mg/kg		2

Summary of Analytical Results

Client ID AB1004
GPL ID: 9122-007-01-1/2
Matrix: Soil
Date Collected: Sep-18-2000
Date Received: Sep-20-2000

Prep Method: SW3050B
Prep Date: Oct-10-2000
Prep Time: 13:01
Prep Chemist: Teshome Tamitre

Analytical Method: SW6010B
Date Analyzed: Oct-11-2000
Time Analyzed 21:00
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Antimony	BQL	1.99	mg/kg	U	2
Arsenic	4.97	1.66	mg/kg		2
Barium	324	1.66	mg/kg		2
Beryllium	0.356	0.332	mg/kg		2
Cadmium	0.737	0.996	mg/kg	J	2
Calcium	5070	166	mg/kg		2
Chromium	9.39	1.66	mg/kg		2
Cobalt	3.93	1.66	mg/kg		2
Copper	10.0	1.66	mg/kg		2
Iron	34800	33.2	mg/kg		2
Lead	86.3	0.996	mg/kg		2
Magnesium	1130	83	mg/kg		2
Manganese	696	1.66	mg/kg		2
Nickel	11.5	1.66	mg/kg		2
Potassium	674	83	mg/kg		2
Selenium	2.47	1.66	mg/kg		2
Silver	BQL	0.996	mg/kg	U	2
Sodium	169	332	mg/kg	J	2
Thallium	BQL	3.32	mg/kg	U	2
Vanadium	15.4	1.66	mg/kg		2
Zinc	58.5	4.98	mg/kg		2

Summary of Analytical Results

Client ID AB1004
GPL ID: 9122-007-03-1/1
Matrix: Soil
Date Collected: Sep-18-2000
Date Received: Sep-20-2000

Prep Method: SW3050B
Prep Date: Oct-06-2000
Prep Time: 15:11
Prep Chemist: Teshome Tamitre

Analytical Method: SW6010B
Date Analyzed: Oct-09-2000
Time Analyzed 23:57
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	3950	60.9	mg/kg		2

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB1006
GPL ID: 9122-008-01-1/2
Matrix: Soil
Date Collected: Sep-18-2000
Date Received: Sep-20-2000

Prep Method: SW3050B
Prep Date: Oct-10-2000
Prep Time: 13:01
Prep Chemist: Teshome Tamitre

Analytical Method: SW6010B
Date Analyzed: Oct-11-2000
Time Analyzed 21:21
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Antimony	BQL	1.6	mg/kg	U	2
Arsenic	25.3	1.34	mg/kg		2
Barium	98.2	1.34	mg/kg		2
Beryllium	0.770	0.267	mg/kg		2
Cadmium	1.24	0.801	mg/kg		2
Calcium	9160	134	mg/kg		2
Chromium	19.5	1.34	mg/kg		2
Cobalt	18.4	1.34	mg/kg		2
Copper	38.8	1.34	mg/kg		2
Iron	64600	26.7	mg/kg		2
Lead	38.9	0.801	mg/kg		2
Magnesium	4210	66.8	mg/kg		2
Manganese	1040	1.34	mg/kg		2
Nickel	47.3	1.34	mg/kg		2
Potassium	2760	66.8	mg/kg		2
Selenium	2.04	1.34	mg/kg		2
Silver	BQL	0.801	mg/kg	U	2
Sodium	164	267	mg/kg	J	2
Thallium	BQL	2.67	mg/kg	U	2
Vanadium	24.6	1.34	mg/kg		2
Zinc	131	4.01	mg/kg		2

Summary of Analytical Results

Client ID AB1006
GPL ID: 9122-008-03-1/1
Matrix: Soil
Date Collected: Sep-18-2000
Date Received: Sep-20-2000

Prep Method: SW3050B
Prep Date: Oct-06-2000
Prep Time: 15:11
Prep Chemist: Teshome Tamitre

Analytical Method: SW6010B
Date Analyzed: Oct-10-2000
Time Analyzed 00:03
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	11000	52	mg/kg		2

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB1016
GPL ID: 9122-009-01-1/2
Matrix: Soil
Date Collected: Sep-18-2000
Date Received: Sep-20-2000

Prep Method: SW3050B
Prep Date: Oct-10-2000
Prep Time: 13:01
Prep Chemist: Teshome Tamitre

Analytical Method: SW6010B
Date Analyzed: Oct-11-2000
Time Analyzed 21:29
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Antimony	BQL	1.7	mg/kg	U	2
Arsenic	24.5	1.42	mg/kg		2
Barium	83.0	1.42	mg/kg		2
Beryllium	0.754	0.283	mg/kg		2
Cadmium	0.922	0.85	mg/kg		2
Calcium	6340	142	mg/kg		2
Chromium	19.5	1.42	mg/kg		2
Cobalt	14.1	1.42	mg/kg		2
Copper	38.6	1.42	mg/kg		2
Iron	39500	28.3	mg/kg		2
Lead	24.1	0.85	mg/kg		2
Magnesium	4910	70.8	mg/kg		2
Manganese	510	1.42	mg/kg		2
Nickel	41.7	1.42	mg/kg		2
Potassium	2600	70.8	mg/kg		2
Selenium	1.19	1.42	mg/kg	J	2
Silver	BQL	0.85	mg/kg	U	2
Sodium	237	283	mg/kg	J	2
Thallium	BQL	2.83	mg/kg	U	2
Vanadium	24.4	1.42	mg/kg		2
Zinc	100	4.25	mg/kg		2

Summary of Analytical Results

Client ID AB1016
GPL ID: 9122-009-03-1/1
Matrix: Soil
Date Collected: Sep-18-2000
Date Received: Sep-20-2000

Prep Method: SW3050B
Prep Date: Oct-06-2000
Prep Time: 15:11
Prep Chemist: Teshome Tamitre

Analytical Method: SW6010B
Date Analyzed: Oct-10-2000
Time Analyzed 00:09
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	15600	54.6	mg/kg		2

Summary of Analytical Results

Client ID AB2001
GPL ID: 9122-010-06-1
Matrix: Water
Date Collected: Sep-18-2000
Date Received: Sep-20-2000

Prep Method: SW7470A_DIG
Prep Date: Oct-06-2000
Prep Time: 14:00
Prep Chemist: Kelvin Choi

Analytical Method: SW7470A
Date Analyzed: Oct-09-2000
Time Analyzed 11:08
Analyst: Kelvin Choi

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	BQL	0.2	ug/L	U	1

Summary of Analytical Results

Client ID AB2002
GPL ID: 9122-013-06-1
Matrix: Water
Date Collected: Sep-18-2000
Date Received: Sep-20-2000

Prep Method: SW7470A_DIG
Prep Date: Oct-06-2000
Prep Time: 14:00
Prep Chemist: Kelvin Choi

Analytical Method: SW7470A
Date Analyzed: Oct-09-2000
Time Analyzed 11:15
Analyst: Kelvin Choi

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	BQL	0.2	ug/L	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB2003	**Prep Method: SW7470A_DIG**	**Analytical Method: SW7470A**
GPL ID: 9122-014-06-1	**Prep Date: Oct-06-2000**	**Date Analyzed: Oct-09-2000**
Matrix: Water	**Prep Time: 14:00**	**Time Analyzed 11:18**
Date Collected: Sep-18-2000	**Prep Chemist: Kelvin Choi**	**Analyst: Kelvin Choi**
Date Received: Sep-20-2000		

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	BQL	0.2	ug/L	U	1

Summary of Analytical Results

Client ID AB2004
GPL ID: 9122-015-06-1
Matrix: Water
Date Collected: Sep-18-2000
Date Received: Sep-20-2000

Prep Method: SW7470A_DIG
Prep Date: Oct-06-2000
Prep Time: 14:00
Prep Chemist: Kelvin Choi

Analytical Method: SW7470A
Date Analyzed: Oct-09-2000
Time Analyzed 11:20
Analyst: Kelvin Choi

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	BQL	0.2	ug/L	U	1

Summary of Analytical Results

Client ID AB2006
GPL ID: 9122-016-06-1
Matrix: Water
Date Collected: Sep-18-2000
Date Received: Sep-20-2000

Prep Method: SW7470A_DIG
Prep Date: Oct-06-2000
Prep Time: 14:00
Prep Chemist: Kelvin Choi

Analytical Method: SW7470A
Date Analyzed: Oct-09-2000
Time Analyzed 11:23
Analyst: Kelvin Choi

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	BQL	0.2	ug/L	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB2016	**Prep Method: SW7470A_DIG**	**Analytical Method: SW7470A**
GPL ID: 9122-017-06-1	**Prep Date: Oct-06-2000**	**Date Analyzed: Oct-09-2000**
Matrix: Water	**Prep Time: 14:00**	**Time Analyzed 11:26**
Date Collected: Sep-18-2000	**Prep Chemist: Kelvin Choi**	**Analyst: Kelvin Choi**
Date Received: Sep-20-2000		

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	BQL	0.2	ug/L	U	1

Summary of Analytical Results

Client ID AB1001
GPL ID: 9122-002-03-1/1
Matrix: Soil
Date Collected: Sep-18-2000
Date Received: Sep-20-2000

Prep Method: SW7471_DIG
Prep Date: Oct-05-2000
Prep Time: 11:30
Prep Chemist: Kelvin Choi

Analytical Method: SW7471A
Date Analyzed: Oct-06-2000
Time Analyzed 11:31
Analyst: Kelvin Choi

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	0.046	0.033	mg/kg		1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB1002	**Prep Method: SW7471_DIG**	**Analytical Method: SW7471A**
GPL ID: 9122-005-03-1/1	**Prep Date: Oct-05-2000**	**Date Analyzed: Oct-06-2000**
Matrix: Soil	**Prep Time: 11:30**	**Time Analyzed 11:39**
Date Collected: Sep-18-2000	**Prep Chemist: Kelvin Choi**	**Analyst: Kelvin Choi**
Date Received: Sep-20-2000		

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	0.040	0.055	mg/kg	J	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB1003
GPL ID: 9122-006-03-1/1
Matrix: Soil
Date Collected: Sep-18-2000
Date Received: Sep-20-2000

Prep Method: SW7471_DIG
Prep Date: Oct-05-2000
Prep Time: 11:30
Prep Chemist: Kelvin Choi

Analytical Method: SW7471A
Date Analyzed: Oct-06-2000
Time Analyzed 11:41
Analyst: Kelvin Choi

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	BQL	0.029	mg/kg	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB1004
GPL ID: 9122-007-03-1/1
Matrix: Soil
Date Collected: Sep-18-2000
Date Received: Sep-20-2000

Prep Method: SW7471_DIG
Prep Date: Oct-05-2000
Prep Time: 11:30
Prep Chemist: Kelvin Choi

Analytical Method: SW7471A
Date Analyzed: Oct-06-2000
Time Analyzed 11:44
Analyst: Kelvin Choi

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	0.034	0.048	mg/kg	J	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB1006
GPL ID: 9122-008-03-1/1
Matrix: Soil
Date Collected: Sep-18-2000
Date Received: Sep-20-2000

Prep Method: SW7471_DIG
Prep Date: Oct-05-2000
Prep Time: 11:30
Prep Chemist: Kelvin Choi

Analytical Method: SW7471A
Date Analyzed: Oct-06-2000
Time Analyzed 11:46
Analyst: Kelvin Choi

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	0.033	0.043	mg/kg	J	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB1016	**Prep Method: SW7471_DIG**	**Analytical Method: SW7471A**
GPL ID: 9122-009-03-1/1	**Prep Date: Oct-05-2000**	**Date Analyzed: Oct-06-2000**
Matrix: Soil	**Prep Time: 11:30**	**Time Analyzed 11:49**
Date Collected: Sep-18-2000	**Prep Chemist: Kelvin Choi**	**Analyst: Kelvin Choi**
Date Received: Sep-20-2000		

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	0.029	0.046	mg/kg	J	1

TOTAL METALS

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BLANKS

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 09122W

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Aluminum	39.6	B	41.6	B	79.8	B	58.2	B	65.394	B	P
Antimony	3.7	U	3.7	U	3.7	U	3.7	U	3.700	U	P
Arsenic	3.2	U	3.2	U	3.2	U	3.2	U	3.200	U	P
Barium	0.6	U	0.6	U	0.6	U	0.6	U	0.600	U	P
Beryllium	0.2	B	0.2	B	0.4	B	0.2	B	0.219	B	P
Cadmium	0.4	U	0.4	U	0.4	U	0.4	U	0.400	U	P
Calcium	104.0	U	104.0	U	104.0	U	104.0	U	104.000	U	P
Chromium	0.8	U	0.8	U	0.8	U	0.8	U	0.800	U	P
Cobalt	0.9	U	0.9	U	0.9	U	0.9	U	0.900	U	P
Copper	-1.2	B	-1.4	B	-2.1	B	-1.5	B	1.200	U	P
Iron	15.0	U	15.0	U	19.4	B	15.9	B	21.081	B	P
Lead	1.5	U	1.5	U	1.5	U	1.5	U	1.500	U	P
Magnesium	22.4	U	22.4	U	23.0	B	22.4	U	24.467	B	P
Manganese	0.4	U	0.4	U	0.4	U	0.4	U	0.400	U	P
Mercury	0.1	U	0.1	U	0.1	U	0.1	U	0.100	U	CV
Nickel	2.0	U	2.0	U	2.0	U	2.0	U	2.000	U	P
Potassium	9.1	U	9.1	U	9.1	U	9.1	U	12.028	B	P
Selenium	2.3	U	2.3	U	2.3	U	2.3	U	2.300	U	P
Silver	0.7	U	0.7	U	0.7	U	0.7	U	0.700	U	P
Sodium	198.0	U	198.0	U	-240.1	B	198.0	U	198.000	U	P
Thallium	5.5	U	5.5	U	5.5	U	5.5	U	5.500	U	P
Vanadium	0.9	U	0.9	U	0.9	U	0.9	U	0.900	U	P
Zinc	4.0	U	4.0	U	4.0	U	4.0	U	4.000	U	P

0 5078

TOTAL METALS

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BLANKS

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 09122W

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Aluminum			46.6	B	36.4	B					P
Antimony			3.7	U	3.7	U					P
Arsenic			-4.5	B	-4.6	B					P
Barium			0.6	U	0.6	U					P
Beryllium			0.1	B	0.1	B					P
Cadmium			0.4	U	0.4	U					P
Calcium			104.0	U	104.0	U					P
Chromium			0.8	U	0.8	U					P
Cobalt			0.9	U	0.9	U					P
Copper			-1.8	B	1.2	U					P
Iron			15.0	U	15.0	U					P
Lead			1.5	U	1.5	U					P
Magnesium			28.2	B	22.4	U					P
Manganese			0.4	U	0.4	U					P
Mercury			0.1	U	0.1	U	0.1	U			CV
Nickel			2.0	U	2.0	U					P
Potassium			9.1	U	9.1	U					P
Selenium			2.3	U	2.3	U					P
Silver			0.7	U	0.7	U					P
Sodium			198.0	U	198.0	U					P
Thallium			5.5	U	5.5	U					P
Vanadium			0.9	U	0.9	U					P
Zinc			4.0	U	4.0	U					P

0 5079

TOTAL METALS

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BLANKS

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 09122W

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Mercury			0.1	U							CV

0 5080

GPL Laboratories, LLLP

TOTAL METALS

P INTERF -5A-

SPIKE SAMPLE RECOVERY

SAMPLE NO.

AB2001S

Contract:

Lab Code: Case No.: SAS SDG NO.: 09122W

Matrix (soil/water): WATER Level (low/med): LOW

% Solids for Sample: 0.0

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

Analyte	Control Limit %R		Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum	75 -	125	2416.0112		453.5449		2000.00	98.1		P
Antimony	75 -	125	99.1107		3.7000	U	100.00	99.1		P
Arsenic	75 -	125	39.2965		3.2000	U	40.00	98.2		P
Barium	75 -	125	1984.4453		40.8826		2000.00	97.2		P
Beryllium	75 -	125	47.8493		0.1440	B	50.00	95.4		P
Cadmium	75 -	125	48.2173		0.4000	U	50.00	96.4		P
Calcium			196548.7969		195036.9375		5000.00	-169.8		P
Chromium	75 -	125	196.1349		1.3456	B	200.00	97.4		P
Cobalt	75 -	125	482.1233		0.9000	U	500.00	96.4		P
Copper	75 -	125	251.5562		1.3555	B	250.00	100.1		P
Iron	75 -	125	1356.3442		455.1058		1000.00	90.1		P
Lead	75 -	125	19.1526		1.5000	U	20.00	95.8		P
Magnesium			45837.1563		43895.7188		5000.00	38.8		P
Manganese	75 -	125	549.1784		69.2206		500.00	96.0		P
Mercury	75 -	125	0.9950		0.1000	U	1.00	99.5		CV
Nickel	75 -	125	485.0045		3.4901	B	500.00	96.3		P
Potassium	75 -	125	3029.2673		2086.7134		1000.00	94.3		P
Selenium	75 -	125	10.4770		2.3000	U	10.00	104.8		P
Silver	75 -	125	51.0290		0.7000	U	50.00	102.1		P
Sodium	75 -	125	9892.3652		5297.8735		5000.00	91.9		P
Thallium	75 -	125	49.4423		5.5000	U	50.00	98.9		P
Vanadium	75 -	125	496.0938		1.0665	B	500.00	99.0		P
Zinc	75 -	125	481.6606		4.5225	B	500.00	95.4		P

Comments:

0 5082

TOTAL METALS

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DUPLICATES

SAMPLE NO.

AB2001D

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 09122W

Matrix (soil/water): WATER Level (low/med): LOW

% Solids for Sample: 0.0 % Solids for Duplicate:

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

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum	200.0	453.5449		353.5677		24.8		P
Antimony		3.7000	U	3.7000	U			P
Arsenic		3.2000	U	3.2000	U			P
Barium		40.8826		37.8828		7.6		P
Beryllium		0.1440	B	0.2378	B	49.1		P
Cadmium		0.4000	U	0.4000	U			P
Calcium		195036.9375		181353.9063		7.3		P
Chromium		1.3456	B	0.8000	U	200.0		P
Cobalt		0.9000	U	0.9000	U			P
Copper		1.3555	B	1.2000	U	200.0		P
Iron	100.0	455.1058		407.5296		11.0		P
Lead		1.5000	U	1.5000	U			P
Magnesium		43895.7188		41184.2578		6.4		P
Manganese		69.2206		64.5339		7.0		P
Mercury		0.1000	U	0.1000	U			CV
Nickel		3.4901	B	3.0890	B	12.2		P
Potassium		2086.7134		1845.4545		12.3		P
Selenium		2.3000	U	2.3000	U			P
Silver		0.7000	U	0.7000	U			P
Sodium	1000.0	5297.8735		4984.3208		6.1		P
Thallium		5.5000	U	5.5000	U			P
Vanadium		1.0665	B	0.9751	B	9.0		P
Zinc		4.5225	B	4.0000	U	200.0		P

0 5083

TOTAL METALS

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LABORATORY CONTROL SAMPLE

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 09122W

Solid LCS Source:

Aqueous LCS Source: HIGH PURITY

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits	%R
Aluminum	5000.0	5016.00	100.3					
Antimony	400.0	396.52	99.1					
Arsenic	400.0	395.61	98.9					
Barium	400.0	396.99	99.2					
Beryllium	40.0	38.83	97.1					
Cadmium	40.0	39.69	99.2					
Calcium	5000.0	4888.93	97.8					
Chromium	400.0	397.54	99.4					
Cobalt	400.0	393.98	98.5					
Copper	400.0	393.41	98.4					
Iron	5000.0	4801.34	96.0					
Lead	400.0	394.48	98.6					
Magnesium	5000.0	4787.06	95.7					
Manganese	400.0	391.79	97.9					
Mercury	1.0	1.01	101.0					
Nickel	400.0	394.95	98.7					
Potassium	5000.0	5435.55	108.7					
Selenium	400.0	376.70	94.2					
Silver	40.0	40.19	100.5					
Sodium	10000.0	9695.33	97.0					
Thallium	400.0	381.95	95.5					
Vanadium	400.0	398.60	99.7					
Zinc	400.0	395.17	98.8					

0 5084

TOTAL METALS

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BLANKS

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 09122S

Preparation Blank Matrix (soil/water): SOIL

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Aluminum	55.2	U	55.2	U	55.2	U	55.2	U	10.940	B	P
Mercury	0.1	U	0.1	U	0.1	U	0.1	U	0.017	U	CV

0 5025

TOTAL METALS

-3-

BLANKS

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 09122S

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Aluminum			83.2	B	64.2	B	55.2	U			P
Mercury			0.1	U	0.1	U	0.1	U			CV

0 5026

TOTAL METALS

-3-

BLANKS

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 09122S

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Aluminum			55.2	U	55.2	U	55.2	U			P

0 5027

TOTAL METALS

-3-

BLANKS

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 09122S

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Aluminum			55.2	U							P

0 5028

TOTAL METALS

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BLANKS

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 09122S

Preparation Blank Matrix (soil/water): SOIL

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Antimony	2.7	U	2.7	U	2.7	U	2.7	U	0.270	U	P
Arsenic	4.0	U	4.0	U	4.0	U	4.0	U	0.400	U	P
Barium	0.5	U	0.5	U	0.5	U	0.5	U	0.083	B	P
Beryllium	0.1	U	0.1	U	0.1	U	0.1	U	-0.014	B	P
Cadmium	0.4	U	0.4	U	0.4	U	0.4	U	0.118	B	P
Calcium	140.0	U	140.0	U	140.0	U	140.0	U	31.256	B	P
Chromium	0.6	U	0.6	U	0.6	U	0.6	U	0.265	B	P
Cobalt	1.3	U	1.3	U	1.3	U	1.3	U	0.130	U	P
Copper	1.0	U	1.0	U	1.1	B	1.0	U	0.333	B	P
Iron	17.7	U	17.7	U	20.3	B	22.2	B	4.096	B	P
Lead	1.3	U	1.3	U	1.3	U	1.3	U	0.130	U	P
Magnesium	6.0	U	14.2	B	31.2	B	43.2	B	4.040	B	P
Manganese	-0.3	B	-0.4	B	0.2	U	0.2	U	0.063	B	P
Nickel	1.1	B	1.2	B	1.5	B	1.5	B	0.100	U	P
Potassium	11.9	U	11.9	U	11.9	U	12.7	B	3.292	B	P
Selenium	3.3	U	3.3	U	3.3	U	3.3	U	0.330	U	P
Silver	1.8	U	1.8	U	1.8	U	1.8	U	0.180	U	P
Sodium	250.0	U	250.0	U	250.0	U	250.0	U	73.838	B	P
Thallium	5.0	U	5.0	U	5.0	U	5.0	U	-0.665	B	P
Vanadium	1.1	U	1.1	U	1.1	U	1.1	U	0.110	U	P
Zinc	4.2	U	4.2	U	4.2	U	4.2	U	0.420	U	P

0 5029

TOTAL METALS

-3-

BLANKS

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 09122S

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Antimony			2.7	U	2.7	U	2.7	U			P
Arsenic			4.0	U	4.0	U	4.0	U			P
Barium			0.5	U	0.5	U	0.5	U			P
Beryllium			0.1	U	0.1	U	-0.1	B			P
Cadmium			0.4	U	0.4	U	0.4	U			P
Calcium			140.0	U	140.0	U	140.0	U			P
Chromium			0.6	U	0.6	U	0.6	U			P
Cobalt			1.3	U	1.3	U	1.3	U			P
Copper			1.0	U	1.8	B	2.7	B			P
Iron			36.9	B	19.4	B	17.7	U			P
Lead			1.3	U	1.3	U	1.3	U			P
Magnesium			93.5	B	54.7	B	34.7	B			P
Manganese			0.2	U	-0.3	B	0.2	U			P
Nickel			1.6	B	1.2	B	2.0	B			P
Potassium			11.9	U	11.9	U	11.9	U			P
Selenium			3.3	U	3.3	U	3.3	U			P
Silver			1.8	U	1.8	U	1.8	U			P
Sodium			250.0	U	250.0	U	250.0	U			P
Thallium			5.0	U	5.0	U	5.0	U			P
Vanadium			1.1	U	1.1	U	1.1	U			P
Zinc			4.2	U	4.2	U	4.2	U			P

0 5030

TOTAL METALS

-3-

BLANKS

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 09122S

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Antimony			2.7	U							P
Arsenic			4.0	U							P
Barium			0.5	U							P
Beryllium			0.1	U							P
Cadmium			0.4	U							P
Calcium			140.0	U							P
Chromium			0.6	U							P
Cobalt			1.3	U							P
Copper			3.5	B							P
Iron			17.7	U							P
Lead			1.3	U							P
Magnesium			28.0	B							P
Manganese			-0.2	B							P
Nickel			1.2	B							P
Potassium			11.9	U							P
Selenium			3.3	U							P
Silver			1.8	U							P
Sodium			250.0	U							P
Thallium			5.0	U							P
Vanadium			1.1	U							P
Zinc			4.2	U							P

0 5031

TOTAL METALS

-3-

BLANKS

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 09122S

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C		Preparation Blank	C		M
Calcium	140.0	U	140.0	U	140.0	U	140.0	U					P

0 5032

TOTAL METALS

-3-

BLANKS

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 09122S

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Calcium			140.0	U							P

0 5033

TOTAL METALS
-5A-
SPIKE SAMPLE RECOVERY

SAMPLE NO.

AB1001S

Contract:

Lab Code: Case No.: SAS SDG NO.: 09122S

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 74.6

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

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum		19033.2673		15559.5320		501.11	693.2		P
Antimony	75 - 125	13.5484		0.7239	U	25.78	52.6	N	P
Arsenic	75 - 125	33.5938		19.9537		12.89	105.8		P
Barium	75 - 125	229.5629		94.1631		128.89	105.1		P
Beryllium	75 - 125	13.9787		0.9407		12.89	101.1		P
Cadmium	75 - 125	13.2703		0.7273	B	12.89	97.3		P
Calcium		8321.7629		6738.0408		1288.93	122.9		P
Chromium	75 - 125	80.8768		25.1435		51.56	108.1		P
Cobalt	75 - 125	145.3765		18.4644		128.89	98.5		P
Copper	75 - 125	102.2328		30.4660		64.45	111.4		P
Iron		51526.0046		44785.7395		257.79	2614.6		P
Lead	75 - 125	145.5758		15.8742		128.89	100.6		P
Magnesium		7493.4373		5448.7227		1288.93	158.6		P
Manganese		1320.2047		942.5364		128.89	293.0		P
Mercury	75 - 125	0.5131		0.0465		0.44	106.0		CV
Nickel	75 - 125	176.6305		46.4447		128.89	101.0		P
Potassium	75 - 125	5438.4387		3273.8257		1288.93	167.9	N	P
Selenium	75 - 125	12.4024		1.1727	B	12.89	87.1		P
Silver	75 - 125	12.7652		0.4826	U	12.89	99.0		P
Sodium	75 - 125	1486.2114		228.5895	B	1288.93	97.6		P
Thallium	75 - 125	9.6482		1.3405	U	12.89	74.9		P
Vanadium	75 - 125	173.8092		37.8890		128.89	105.5		P
Zinc	75 - 125	213.4855		86.6600		128.89	98.4		P

Comments:

0 5038

TOTAL METALS

-6-

DUPLICATES

SAMPLE NO.

AB1001D

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 09122S

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 74.6 % Solids for Duplicate: 74.6

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

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum		15559.5320		15632.5722		0.5		P
Antimony		0.7239	U	0.7097	U			P
Arsenic		19.9537		20.3989		2.2		P
Barium		94.1631		100.0867		6.1		P
Beryllium	0.3	0.9407		1.0474		10.7		P
Cadmium		0.7273	B	0.7807	B	7.1		P
Calcium		6738.0408		4645.2869		36.8	*	P
Chromium		25.1435		27.1491		7.7		P
Cobalt		18.4644		18.4096		0.3		P
Copper		30.4660		31.5596		3.5		P
Iron		44785.7395		46141.0569		3.0		P
Lead		15.8742		15.9511		0.5		P
Magnesium		5448.7227		5545.1372		1.8		P
Manganese		942.5364		1056.0162		11.4		P
Mercury	0.0	0.0465		0.0410		12.5		CV
Nickel		46.4447		47.8828		3.0		P
Potassium		3273.8257		3630.2722		10.3		P
Selenium	1.3	1.1727	B	1.3677		15.4		P
Silver		0.4826	U	0.4731	U			P
Sodium		228.5895	B	178.5927	B	24.6		P
Thallium		1.3405	U	1.3142	U			P
Vanadium		37.8890		40.0001		5.4		P
Zinc		86.6600		89.0102		2.7		P

0 5040

TOTAL METALS

-7-

LABORATORY CONTROL SAMPLE

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 09122S

Solid LCS Source: HIGH PURITY

Aqueous LCS Source: HIGH PURITY

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Aluminum				500.0	515.8		400.0	600.0	103.2
Mercury				0.5	0.5		0.4	0.6	108.7

0 5041

TOTAL METALS
-7-
LABORATORY CONTROL SAMPLE

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 09122S

Solid LCS Source: HIGH PURITY

Aqueous LCS Source:

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Antimony				20.0	19.1		16.0	24.0	95.5
Arsenic				10.0	9.0		8.0	12.0	89.8
Barium				100.0	97.7		80.0	120.0	97.7
Beryllium				10.0	9.8		8.0	12.0	98.1
Cadmium				10.0	9.6		8.0	12.0	96.0
Calcium				1000.0	969.0		800.0	1200.0	96.9
Chromium				40.0	39.1		32.0	48.0	97.7
Cobalt				100.0	95.8		80.0	120.0	95.8
Copper				50.0	50.6		50.0	60.0	101.2
Iron				2000.0	1933.6		1600.0	2400.0	96.7
Lead				100.0	97.7		80.0	120.0	97.7
Magnesium				1000.0	931.7		800.0	1200.0	93.2
Manganese				100.0	98.5		80.0	120.0	98.5
Nickel				100.0	96.7		80.0	120.0	96.7
Potassium				1000.0	1002.3		800.0	1200.0	100.2
Selenium				10.0	9.1		8.0	10.0	90.6
Silver				10.0	9.6		8.0	12.0	95.8
Sodium				1000.0	1039.5		800.0	1200.0	104.0
Thallium				10.0	9.1		8.0	10.0	91.0
Vanadium				100.0	97.3		80.0	120.0	97.3
Zinc				100.0	95.3		80.0	120.0	95.3

0 5042

Summary of Analytical Results

Client ID AB2001
GPL ID: 9122-010-09-1/2
Matrix: Water
Date Collected: Sep-18-2000
Date Received: Sep-20-2000

Prep Method: SW3520C
Prep Date: Sep-22-2000
Prep Time: 11:14
Prep Chemist: Rekha Patel

Analytical Method: SW8082
Date Analyzed: Oct-03-2000
Time Analyzed 09:55
Analyst: Philipos Yosief

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	1.02	ug/L	U	1
PCB-1221	BQL	1.02	ug/L	U	1
PCB-1232	BQL	1.02	ug/L	U	1
PCB-1242	BQL	1.02	ug/L	U	1
PCB-1248	BQL	1.02	ug/L	U	1
PCB-1254	BQL	1.02	ug/L	U	1
PCB-1260	BQL	2.04	ug/L	U	1

Summary of Analytical Results

Client ID AB2002
GPL ID: 9122-013-09-1/2
Matrix: Water
Date Collected: Sep-18-2000
Date Received: Sep-20-2000

Prep Method: SW3520C
Prep Date: Sep-22-2000
Prep Time: 11:14
Prep Chemist: Rekha Patel

Analytical Method: SW8082
Date Analyzed: Oct-03-2000
Time Analyzed 13:02
Analyst: Philipos Yosief

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	1.09	ug/L	U	1
PCB-1221	BQL	1.09	ug/L	U	1
PCB-1232	BQL	1.09	ug/L	U	1
PCB-1242	BQL	1.09	ug/L	U	1
PCB-1248	BQL	1.09	ug/L	U	1
PCB-1254	BQL	1.09	ug/L	U	1
PCB-1260	BQL	2.17	ug/L	U	1

Summary of Analytical Results

Client ID AB2003
GPL ID: 9122-014-09-1/2
Matrix: Water
Date Collected: Sep-18-2000
Date Received: Sep-20-2000

Prep Method: SW3520C
Prep Date: Sep-22-2000
Prep Time: 11:14
Prep Chemist: Rekha Patel

Analytical Method: SW8082
Date Analyzed: Oct-03-2000
Time Analyzed 13:29
Analyst: Philipos Yosief

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	1.08	ug/L	U	1
PCB-1221	BQL	1.08	ug/L	U	1
PCB-1232	BQL	1.08	ug/L	U	1
PCB-1242	BQL	1.08	ug/L	U	1
PCB-1248	BQL	1.08	ug/L	U	1
PCB-1254	BQL	1.08	ug/L	U	1
PCB-1260	BQL	2.15	ug/L	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB2004
GPL ID: 9122-015-09-1/2
Matrix: Water
Date Collected: Sep-18-2000
Date Received: Sep-20-2000

Prep Method: SW3520C
Prep Date: Sep-22-2000
Prep Time: 11:14
Prep Chemist: Rekha Patel

Analytical Method: SW8082
Date Analyzed: Oct-03-2000
Time Analyzed 15:18
Analyst: Philipos Yosief

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	1.02	ug/L	U	1
PCB-1221	BQL	1.02	ug/L	U	1
PCB-1232	BQL	1.02	ug/L	U	1
PCB-1242	BQL	1.02	ug/L	U	1
PCB-1248	BQL	1.02	ug/L	U	1
PCB-1254	BQL	1.02	ug/L	U	1
PCB-1260	BQL	2.04	ug/L	U	1

Summary of Analytical Results

Client ID AB2006
GPL ID: 9122-016-09-1/2
Matrix: Water
Date Collected: Sep-18-2000
Date Received: Sep-20-2000

Prep Method: SW3520C
Prep Date: Sep-22-2000
Prep Time: 11:14
Prep Chemist: Rekha Patel

Analytical Method: SW8082
Date Analyzed: Oct-03-2000
Time Analyzed 16:40
Analyst: Philipos Yosief

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	1.02	ug/L	U	1
PCB-1221	BQL	1.02	ug/L	U	1
PCB-1232	BQL	1.02	ug/L	U	1
PCB-1242	BQL	1.02	ug/L	U	1
PCB-1248	BQL	1.02	ug/L	U	1
PCB-1254	BQL	1.02	ug/L	U	1
PCB-1260	BQL	2.04	ug/L	U	1

Summary of Analytical Results

Client ID AB2016
GPL ID: 9122-017-07-1/2
Matrix: Water
Date Collected: Sep-18-2000
Date Received: Sep-20-2000

Prep Method: SW3520C
Prep Date: Sep-22-2000
Prep Time: 11:14
Prep Chemist: Rekha Patel

Analytical Method: SW8082
Date Analyzed: Oct-03-2000
Time Analyzed 17:07
Analyst: Philipos Yosief

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	1	ug/L	U	1
PCB-1221	BQL	1	ug/L	U	1
PCB-1232	BQL	1	ug/L	U	1
PCB-1242	BQL	1	ug/L	U	1
PCB-1248	BQL	1	ug/L	U	1
PCB-1254	BQL	1	ug/L	U	1
PCB-1260	BQL	2	ug/L	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB1001
GPL ID: 9122-002-04-1/1
Matrix: Soil
Date Collected: Sep-18-2000
Date Received: Sep-20-2000

Prep Method: SW3550
Prep Date: Sep-22-2000
Prep Time: 08:34
Prep Chemist: Shila Soleimani

Analytical Method: SW8082
Date Analyzed: Oct-03-2000
Time Analyzed 18:29
Analyst: Philipos Yosief

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	44.7	ug/kg	U	1
PCB-1221	BQL	44.7	ug/kg	U	1
PCB-1232	BQL	44.7	ug/kg	U	1
PCB-1242	BQL	44.7	ug/kg	U	1
PCB-1248	BQL	44.7	ug/kg	U	1
PCB-1254	BQL	44.7	ug/kg	U	1
PCB-1260	BQL	89.4	ug/kg	U	1

Summary of Analytical Results

Client ID AB1002
GPL ID: 9122-005-04-1/1
Matrix: Soil
Date Collected: Sep-18-2000
Date Received: Sep-20-2000

Prep Method: SW3550
Prep Date: Sep-22-2000
Prep Time: 08:34
Prep Chemist: Shila Soleimani

Analytical Method: SW8082
Date Analyzed: Oct-03-2000
Time Analyzed 19:51
Analyst: Philipos Yosief

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	57.4	ug/kg	U	1
PCB-1221	BQL	57.4	ug/kg	U	1
PCB-1232	BQL	57.4	ug/kg	U	1
PCB-1242	BQL	57.4	ug/kg	U	1
PCB-1248	BQL	57.4	ug/kg	U	1
PCB-1254	BQL	57.4	ug/kg	U	1
PCB-1260	BQL	115	ug/kg	U	1

Summary of Analytical Results

Client ID AB1003
GPL ID: 9122-006-04-1/1
Matrix: Soil
Date Collected: Sep-18-2000
Date Received: Sep-20-2000

Prep Method: SW3550
Prep Date: Sep-22-2000
Prep Time: 08:34
Prep Chemist: Shila Soleimani

Analytical Method: SW8082
Date Analyzed: Oct-03-2000
Time Analyzed 20:18
Analyst: Philipos Yosief

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	46.6	ug/kg	U	1
PCB-1221	BQL	46.6	ug/kg	U	1
PCB-1232	BQL	46.6	ug/kg	U	1
PCB-1242	BQL	46.6	ug/kg	U	1
PCB-1248	BQL	46.6	ug/kg	U	1
PCB-1254	BQL	46.6	ug/kg	U	1
PCB-1260	37.4	93.2	ug/kg	J	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB1004
GPL ID: 9122-007-04-1/1
Matrix: Soil
Date Collected: Sep-18-2000
Date Received: Sep-20-2000

Prep Method: SW3550
Prep Date: Sep-22-2000
Prep Time: 08:34
Prep Chemist: Shila Soleimani

Analytical Method: SW8082
Date Analyzed: Oct-09-2000
Time Analyzed 15:41
Analyst: Philipos Yosief

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	277	ug/kg	U	5
PCB-1221	BQL	277	ug/kg	U	5
PCB-1232	BQL	277	ug/kg	U	5
PCB-1242	BQL	277	ug/kg	U	5
PCB-1248	BQL	277	ug/kg	U	5
PCB-1254	BQL	277	ug/kg	U	5
PCB-1260	712	553	ug/kg		5

Summary of Analytical Results

Client ID AB1006
GPL ID: 9122-008-04-1/1
Matrix: Soil
Date Collected: Sep-18-2000
Date Received: Sep-20-2000

Prep Method: SW3550
Prep Date: Sep-22-2000
Prep Time: 08:34
Prep Chemist: Shila Soleimani

Analytical Method: SW8082
Date Analyzed: Oct-06-2000
Time Analyzed 18:31
Analyst: Philipos Yosief

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	47.2	ug/kg	U	1
PCB-1221	BQL	47.2	ug/kg	U	1
PCB-1232	BQL	47.2	ug/kg	U	1
PCB-1242	BQL	47.2	ug/kg	U	1
PCB-1248	BQL	47.2	ug/kg	U	1
PCB-1254	BQL	47.2	ug/kg	U	1
PCB-1260	73.3	94.4	ug/kg	J	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB1016
GPL ID: 9122-009-04-1/1
Matrix: Soil
Date Collected: Sep-18-2000
Date Received: Sep-20-2000

Prep Method: SW3550
Prep Date: Sep-22-2000
Prep Time: 08:34
Prep Chemist: Shila Soleimani

Analytical Method: SW8082
Date Analyzed: Oct-06-2000
Time Analyzed 18:58
Analyst: Philipos Yosief

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	49.1	ug/kg	U	1
PCB-1221	BQL	49.1	ug/kg	U	1
PCB-1232	BQL	49.1	ug/kg	U	1
PCB-1242	BQL	49.1	ug/kg	U	1
PCB-1248	BQL	49.1	ug/kg	U	1
PCB-1254	BQL	49.1	ug/kg	U	1
PCB-1260	BQL	98.2	ug/kg	U	1

2F
SOIL PESTICIDE SURROGATE RECOVERY

Lab Name: GPL LABORATORIES Contract: IT CORPORATIO

Lab Code: GPLL Case No.: 9122 SAS No.: N/A SDG No.: N/A

GC Column (1) : RTx-5 ID: 0.53 (mm) GC Column (2) : RTx-1701 ID: 0.53 (mm)

	CLIENT SAMPLE ID	TCX 1 %REC #	TCX 2 %REC #	DCB 1 %REC #	DCB 2 %REC #	TOT OUT
01	PBLKA	120	115	107	159 *	1
02	PLCSA	127	116	109	159 *	1
03	AB1001	106	80	101	145	0
04	AB1001 MS	124	94	111	151	0
05	AB1001 MSD	112	90	114	164 *	1
06	AB1002	90	38	125	164 *	1
07	AB1003	100	82	135	141	0
08	AB1006	104	96	118	104	0
09	AB1016	103	81	110	106	0
10	AB1004 DL	25 ~~5D~~	40 ~~8D~~	35 ~~7D~~	45 ~~9D~~	0

ADVISORY QC LIMITS

TCX = Tetrachloro-m-xylene (19-191)

DCB = Decachlorobiphenyl (21-155)

AZE 10/10/00

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogate diluted out

2E
WATER PESTICIDE SURROGATE RECOVERY

Lab Name: GPL LABORATORIES, LLLP Project: IT CORPORATIO

Lab Code: GPL WO No.: 9122 SAS No.: N/A SDG No.: N/A

GC Column (1) : RTx-5 ID: 0.53 (mm) GC Column (2) : RTx-1701 ID: 0.53 (mm)

	CLIENT SAMPLE ID	TCX 1 %REC #	TCX 2 %REC #	DCB 1 %REC #	DCB 2 %REC #	TOT OUT
01	PBLKB	54	56	83	122	0
02	PLCSB	100	94	92	134 *	1
03	AB2001	92	86	68	100	0
04	AB2001 MS	92	90	78	118	0
05	AB2001 MSD	88	88	67	116	0
06	AB2002	77	62	54	84	0
07	AB2003	79	75	88	129	0
08	AB2004	72	86	54	85	0
09	AB2006	94	89	53	83	0
10	AB2016	96	93	63	96	0

			ADVISORY QC LIMITS
TCX	=	Tetrachloro-m-xylene	(23-112)
DCB	=	Decachlorobiphenyl	(21-134)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogate diluted out

3E

SOIL PCB's MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: GPL Laboratories Client: IT_CORPORATION

Lab Code: GPL Case No.: 9122 SAS No.: N/A SDG No.: N/A

EPA Sample No.: AB1001MS/MSD GP ID: 9122-002MS/MSD

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENTRATION (ug/kg)	MS CONCENTRATION (ug/kg)	MS % REC	QC LIMITS REC.
AR 1016	224	0	150	68	58-133
AR 1260	448	0	360	81	40-159

COMPOUND	SPIKE ADDED (ug/kg)	MSD CONCENTRATION (ug/kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC.
AR 1016	224	140	61	11	20	58-133
AR 1260	447	330	74	10	15	40-159

* Value outside of QC limits

RPD: 0 of 2 outside limits.

Spike Recovery: 0 of 4 outside limits.

COMMENTS:

3E

WATER PCB's MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: GPL Laboratories | Client: IT CORPORATION

Lab Code: GPL | Case No.: 9122 | SAS No.: N/A | SDG No.: N/A

EPA Sample No.: AB2001MS | GP ID: 9122-010MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC.
AR 1016	5	0	4.2	81	54-150
AR 1260	10	0	7.0	67 *	70-131

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC.
AR 1016	5	3.6	72	11	20	54-150
AR 1260	10	4.1	41 *	48 *	20	70-131

* Value outside of QC limits

RPD: 1 of 2 outside limits.

Spike Recovery: 2 of 4 outside limits.

COMMENTS:

3E
SOIL LABORATORY CONTROL SPIKE RECOVERY

Lab Name: GPL Laboratories | Client: IT_CORPORATION

Lab Code: GPL | Case No.: 9122 | SAS No.: N/A | SDG No.: N/A

EPA Sample No.: PLCSA | GP ID: PBLK6866 MS

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENTRATION (ug/kg)	LCS CONCENTRATION (ug/kg)	LCS % REC	QC LIMITS REC
AR 1016	170	0	140	86	54-164
AR 1260	330	0	290	86	80-145

* Value outside of QC limits

Spike recovery: 0 out of 2 outside limits.

COMMENTS:

3E
WATER LABORATORY CONTROL SPIKE RECOVERY

Lab Name: GPL Laboratories | Client: IT CORPORATION

Lab Code: GPL | Case No.: 9122 | SAS No.: N/A | SDG No.: N/A

EPA Sample No.: PLCSB | GP ID: 9122-PBLK6879 MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC
AR 1016	5	0	5.0	101	54-164
AR 1260	10	0	7.2	72 *	80-145

* Value outside of QC limits

Spike recovery: 1 out of 2 outside limits.

COMMENTS:

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PBLKA

Lab Name: GPL LABORATORIES Contract: IT CORPORAT

Lab Code: GPLL Case No.: 9122 SAS No.: N/A SDG No.: N/A

Lab Sample ID: 9122-PBLK6866 Lab File ID: K4033P.D

Matrix: (soil/water) SOIL Extraction: (SepF/Cont/Sonc) SONC

Sulfur Cleanup: (Y/N) N Date Extracted: 09/22/00

Date Analyzed (1) : 10/03/00 Date Analyzed (2) : 10/03/00

Time Analyzed (1) : 1734 Time Analyzed (2) : 1734

Instrument ID (1) : GC-K Instrument ID (2) : GC-K

GC Column (1) : RTx-5 ID: 0.53 (mm) GC Column (2) : RTx-1701 ID: 0.53 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	PLCSA	9122-PBLK6866 MS	10/03/00	10/03/00
02	AB1001	9122-002	10/03/00	10/03/00
03	AB1001 MS	9122-002 MS	10/03/00	10/03/00
04	AB1001 MSD	9122-002 MSD	10/03/00	10/03/00
05	AB1002	9122-005	10/03/00	10/03/00
06	AB1003	9122-006	10/03/00	10/03/00
07	AB1006	9122-008-04-1	10/06/00	10/06/00
08	AB1016	9122-009-04-1	10/06/00	10/06/00
09	AB1004 DL	9122-007-04-1 5X	10/09/00	10/09/00

COMMENTS:

4C

PESTICIDE METHOD BLANK SUMMARY

CLIENT ID

PBLKB

Lab Name: GPL LABORATORIES, LLLP Project: IT CORPORAT

Lab Code: GPL WO No.: 9122 SAS No.: N/A SDG No.: N/A

Lab Sample ID: 9122-PBLK6879 Lab File ID: K4020P.D

Matrix: (soil/water) WATER Extraction: (SepF/Cont/Sonc) CONT

Sulfur Cleanup: (Y/N) N Date Extracted: 09/22/00

Date Analyzed (1) : 10/03/00 Date Analyzed (2) : 10/03/00

Time Analyzed (1) : 0900 Time Analyzed (2) : 0900

Instrument ID (1) : GC-K Instrument ID (2) : GC-K

GC Column (1) : RTx-5 ID: 0.53 (mm) GC Column (2) : RTx-1701 ID: 0.53 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	PLCSB	9122-PBLK6879 MS	10/03/00	10/03/00
02	AB2001	9122-010	10/03/00	10/03/00
03	AB2001 MS	9122-010 MS	10/03/00	10/03/00
04	AB2001 MSD	9122-010 MSD	10/03/00	10/03/00
05	AB2002	9122-013	10/03/00	10/03/00
06	AB2003	9122-014	10/03/00	10/03/00
07	AB2004	9122-015	10/03/00	10/03/00
08	AB2006	9122-016	10/03/00	10/03/00
09	AB2016	9122-017	10/03/00	10/03/00

COMMENTS:

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB1001
GPL ID: 9122-002-01-1/2
Matrix: Soil
Date Collected: Sep-18-2000
Date Received: Sep-20-2000

Prep Method: SW5030B
Prep Date: Sep-21-2000
Prep Time: 10:27
Prep Chemist: Abid Mahmood

Analytical Method: SW8260B_TCL
Date Analyzed: Sep-21-2000
Time Analyzed 16:43
Analyst: Abid Mahmood

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	6.71	ug/kg	U	1
1,1,2,2-Tetrachloroethane	BQL	6.71	ug/kg	U	1
1,1,2-Trichloroethane	BQL	6.71	ug/kg	U	1
1,1-Dichloroethane	BQL	6.71	ug/kg	U	1
1,1-Dichloroethene	BQL	6.71	ug/kg	U	1
1,2-Dichloroethane	BQL	6.71	ug/kg	U	1
1,2-Dichloropropane	BQL	6.71	ug/kg	U	1
2-Butanone	9.87	13.4	ug/kg	J	1
2-Hexanone	BQL	13.4	ug/kg	U	1
4-Methyl-2-Pentanone	BQL	13.4	ug/kg	U	1
Acetone	18.7	13.4	ug/kg		1
Benzene	3.41	6.71	ug/kg	J	1
Bromodichloromethane	BQL	6.71	ug/kg	U	1
Bromoform	BQL	6.71	ug/kg	U	1
Bromomethane	BQL	13.4	ug/kg	U	1
Carbon Disulfide	BQL	6.71	ug/kg	U	1
Carbon Tetrachloride	BQL	6.71	ug/kg	U	1
Chlorobenzene	BQL	6.71	ug/kg	U	1
Chloroethane	BQL	13.4	ug/kg	U	1
Chloroform	BQL	6.71	ug/kg	U	1
Chloromethane	BQL	13.4	ug/kg	U	1
Dibromochloromethane	BQL	6.71	ug/kg	U	1
Ethylbenzene	BQL	6.71	ug/kg	U	1
Methylene Chloride	27.5	6.71	ug/kg		1
Styrene	BQL	6.71	ug/kg	U	1
Tetrachloroethene	BQL	6.71	ug/kg	U	1
Toluene	6.83	6.71	ug/kg		1
Trichloroethene	BQL	6.71	ug/kg	U	1
Vinyl Chloride	BQL	13.4	ug/kg	U	1
cis-1,2-Dichloroethene	BQL	6.71	ug/kg	U	1
cis-1,3-Dichloropropene	BQL	6.71	ug/kg	U	1
m,p-Xylenes	BQL	6.71	ug/kg	U	1
o-Xylene	BQL	6.71	ug/kg	U	1
trans-1,2-dichloroethene	BQL	6.71	ug/kg	U	1
trans-1,3-dichloropropene	BQL	6.71	ug/kg	U	1

Summary of Analytical Results

Client ID AB1002
GPL ID: 9122-005-01-1/2
Matrix: Soil
Date Collected: Sep-18-2000
Date Received: Sep-20-2000

Prep Method: SW5030B
Prep Date: Sep-21-2000
Prep Time: 10:27
Prep Chemist: Abid Mahmood

Analytical Method: SW8260B_TCL
Date Analyzed: Sep-21-2000
Time Analyzed 18:41
Analyst: Abid Mahmood

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	8.61	ug/kg	U	1
1,1,2,2-Tetrachloroethane	BQL	8.61	ug/kg	U	1
1,1,2-Trichloroethane	BQL	8.61	ug/kg	U	1
1,1-Dichloroethane	BQL	8.61	ug/kg	U	1
1,1-Dichloroethene	BQL	8.61	ug/kg	U	1
1,2-Dichloroethane	BQL	8.61	ug/kg	U	1
1,2-Dichloropropane	BQL	8.61	ug/kg	U	1
2-Butanone	BQL	17.2	ug/kg	U	1
2-Hexanone	BQL	17.2	ug/kg	U	1
4-Methyl-2-Pentanone	BQL	17.2	ug/kg	U	1
Acetone	17.9	17.2	ug/kg		1
Benzene	BQL	8.61	ug/kg	U	1
Bromodichloromethane	BQL	8.61	ug/kg	U	1
Bromoform	BQL	8.61	ug/kg	U	1
Bromomethane	BQL	17.2	ug/kg	U	1
Carbon Disulfide	BQL	8.61	ug/kg	U	1
Carbon Tetrachloride	BQL	8.61	ug/kg	U	1
Chlorobenzene	BQL	8.61	ug/kg	U	1
Chloroethane	BQL	17.2	ug/kg	U	1
Chloroform	BQL	8.61	ug/kg	U	1
Chloromethane	BQL	17.2	ug/kg	U	1
Dibromochloromethane	BQL	8.61	ug/kg	U	1
Ethylbenzene	BQL	8.61	ug/kg	U	1
Methylene Chloride	74.0	8.61	ug/kg		1
Styrene	BQL	8.61	ug/kg	U	1
Tetrachloroethene	BQL	8.61	ug/kg	U	1
Toluene	BQL	8.61	ug/kg	U	1
Trichloroethene	BQL	8.61	ug/kg	U	1
Vinyl Chloride	BQL	17.2	ug/kg	U	1
cis-1,2-Dichloroethene	BQL	8.61	ug/kg	U	1
cis-1,3-Dichloropropene	BQL	8.61	ug/kg	U	1
m,p-Xylenes	BQL	8.61	ug/kg	U	1
o-Xylene	BQL	8.61	ug/kg	U	1
trans-1,2-dichloroethene	BQL	8.61	ug/kg	U	1
trans-1,3-dichloropropene	BQL	8.61	ug/kg	U	1

Summary of Analytical Results

Client ID AB1003
GPL ID: 9122-006-01-1/2
Matrix: Soil
Date Collected: Sep-18-2000
Date Received: Sep-20-2000

Prep Method: SW5030B
Prep Date: Sep-21-2000
Prep Time: 10:27
Prep Chemist: Abid Mahmood

Analytical Method: SW8260B_TCL
Date Analyzed: Sep-21-2000
Time Analyzed 19:21
Analyst: Abid Mahmood

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	6.99	ug/kg	U	1
1,1,2,2-Tetrachloroethane	BQL	6.99	ug/kg	U	1
1,1,2-Trichloroethane	BQL	6.99	ug/kg	U	1
1,1-Dichloroethane	BQL	6.99	ug/kg	U	1
1,1-Dichloroethene	BQL	6.99	ug/kg	U	1
1,2-Dichloroethane	BQL	6.99	ug/kg	U	1
1,2-Dichloropropane	BQL	6.99	ug/kg	U	1
2-Butanone	BQL	14	ug/kg	U	1
2-Hexanone	BQL	14	ug/kg	U	1
4-Methyl-2-Pentanone	BQL	14	ug/kg	U	1
Acetone	29.8	14	ug/kg		1
Benzene	BQL	6.99	ug/kg	U	1
Bromodichloromethane	BQL	6.99	ug/kg	U	1
Bromoform	BQL	6.99	ug/kg	U	1
Bromomethane	BQL	14	ug/kg	U	1
Carbon Disulfide	BQL	6.99	ug/kg	U	1
Carbon Tetrachloride	BQL	6.99	ug/kg	U	1
Chlorobenzene	BQL	6.99	ug/kg	U	1
Chloroethane	BQL	14	ug/kg	U	1
Chloroform	BQL	6.99	ug/kg	U	1
Chloromethane	BQL	14	ug/kg	U	1
Dibromochloromethane	BQL	6.99	ug/kg	U	1
Ethylbenzene	BQL	6.99	ug/kg	U	1
Methylene Chloride	32.7	6.99	ug/kg		1
Styrene	BQL	6.99	ug/kg	U	1
Tetrachloroethene	BQL	6.99	ug/kg	U	1
Toluene	3.40	6.99	ug/kg	J	1
Trichloroethene	BQL	6.99	ug/kg	U	1
Vinyl Chloride	BQL	14	ug/kg	U	1
cis-1,2-Dichloroethene	BQL	6.99	ug/kg	U	1
cis-1,3-Dichloropropene	BQL	6.99	ug/kg	U	1
m,p-Xylenes	BQL	6.99	ug/kg	U	1
o-Xylene	BQL	6.99	ug/kg	U	1
trans-1,2-dichloroethene	BQL	6.99	ug/kg	U	1
trans-1,3-dichloropropene	BQL	6.99	ug/kg	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB1004
GPL ID: 9122-007-01-1/2
Matrix: Soil
Date Collected: Sep-18-2000
Date Received: Sep-20-2000

Prep Method: SW5030B
Prep Date: Sep-21-2000
Prep Time: 10:27
Prep Chemist: Abid Mahmood

Analytical Method: SW8260B_TCL
Date Analyzed: Sep-21-2000
Time Analyzed 20:00
Analyst: Abid Mahmood

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	8.3	ug/kg	U	1
1,1,2,2-Tetrachloroethane	BQL	8.3	ug/kg	U	1
1,1,2-Trichloroethane	BQL	8.3	ug/kg	U	1
1,1-Dichloroethane	BQL	8.3	ug/kg	U	1
1,1-Dichloroethene	BQL	8.3	ug/kg	U	1
1,2-Dichloroethane	BQL	8.3	ug/kg	U	1
1,2-Dichloropropane	BQL	8.3	ug/kg	U	1
2-Butanone	BQL	16.6	ug/kg	U	1
2-Hexanone	BQL	16.6	ug/kg	U	1
4-Methyl-2-Pentanone	BQL	16.6	ug/kg	U	1
Acetone	13.7	16.6	ug/kg	J	1
Benzene	BQL	8.3	ug/kg	U	1
Bromodichloromethane	BQL	8.3	ug/kg	U	1
Bromoform	BQL	8.3	ug/kg	U	1
Bromomethane	BQL	16.6	ug/kg	U	1
Carbon Disulfide	BQL	8.3	ug/kg	U	1
Carbon Tetrachloride	BQL	8.3	ug/kg	U	1
Chlorobenzene	BQL	8.3	ug/kg	U	1
Chloroethane	BQL	16.6	ug/kg	U	1
Chloroform	BQL	8.3	ug/kg	U	1
Chloromethane	BQL	16.6	ug/kg	U	1
Dibromochloromethane	BQL	8.3	ug/kg	U	1
Ethylbenzene	BQL	8.3	ug/kg	U	1
Methylene Chloride	39.0	8.3	ug/kg		1
Styrene	BQL	8.3	ug/kg	U	1
Tetrachloroethene	BQL	8.3	ug/kg	U	1
Toluene	BQL	8.3	ug/kg	U	1
Trichloroethene	BQL	8.3	ug/kg	U	1
Vinyl Chloride	BQL	16.6	ug/kg	U	1
cis-1,2-Dichloroethene	BQL	8.3	ug/kg	U	1
cis-1,3-Dichloropropene	BQL	8.3	ug/kg	U	1
m,p-Xylenes	BQL	8.3	ug/kg	U	1
o-Xylene	BQL	8.3	ug/kg	U	1
trans-1,2-dichloroethene	BQL	8.3	ug/kg	U	1
trans-1,3-dichloropropene	BQL	8.3	ug/kg	U	1

Summary of Analytical Results

Client ID AB1006
GPL ID: 9122-008-01-1/2
Matrix: Soil
Date Collected: Sep-18-2000
Date Received: Sep-20-2000

Prep Method: SW5030B
Prep Date: Sep-21-2000
Prep Time: 10:27
Prep Chemist: Abid Mahmood

Analytical Method: SW8260B_TCL
Date Analyzed: Sep-21-2000
Time Analyzed 20:39
Analyst: Abid Mahmood

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	7.08	ug/kg	U	1
1,1,2,2-Tetrachloroethane	BQL	7.08	ug/kg	U	1
1,1,2-Trichloroethane	BQL	7.08	ug/kg	U	1
1,1-Dichloroethane	BQL	7.08	ug/kg	U	1
1,1-Dichloroethene	BQL	7.08	ug/kg	U	1
1,2-Dichloroethane	BQL	7.08	ug/kg	U	1
1,2-Dichloropropane	BQL	7.08	ug/kg	U	1
2-Butanone	BQL	14.2	ug/kg	U	1
2-Hexanone	BQL	14.2	ug/kg	U	1
4-Methyl-2-Pentanone	BQL	14.2	ug/kg	U	1
Acetone	37.9	14.2	ug/kg		1
Benzene	BQL	7.08	ug/kg	U	1
Bromodichloromethane	BQL	7.08	ug/kg	U	1
Bromoform	BQL	7.08	ug/kg	U	1
Bromomethane	BQL	14.2	ug/kg	U	1
Carbon Disulfide	BQL	7.08	ug/kg	U	1
Carbon Tetrachloride	BQL	7.08	ug/kg	U	1
Chlorobenzene	BQL	7.08	ug/kg	U	1
Chloroethane	BQL	14.2	ug/kg	U	1
Chloroform	BQL	7.08	ug/kg	U	1
Chloromethane	BQL	14.2	ug/kg	U	1
Dibromochloromethane	BQL	7.08	ug/kg	U	1
Ethylbenzene	BQL	7.08	ug/kg	U	1
Methylene Chloride	54.2	7.08	ug/kg		1
Styrene	BQL	7.08	ug/kg	U	1
Tetrachloroethene	BQL	7.08	ug/kg	U	1
Toluene	6.33	7.08	ug/kg	J	1
Trichloroethene	BQL	7.08	ug/kg	U	1
Vinyl Chloride	BQL	14.2	ug/kg	U	1
cis-1,2-Dichloroethene	BQL	7.08	ug/kg	U	1
cis-1,3-Dichloropropene	BQL	7.08	ug/kg	U	1
m,p-Xylenes	BQL	7.08	ug/kg	U	1
o-Xylene	BQL	7.08	ug/kg	U	1
trans-1,2-dichloroethene	BQL	7.08	ug/kg	U	1
trans-1,3-dichloropropene	BQL	7.08	ug/kg	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB1016
GPL ID: 9122-009-01-1/2
Matrix: Soil
Date Collected: Sep-18-2000
Date Received: Sep-20-2000

Prep Method: SW5030B
Prep Date: Sep-21-2000
Prep Time: 10:27
Prep Chemist: Abid Mahmood

Analytical Method: SW8260B_TCL
Date Analyzed: Sep-21-2000
Time Analyzed 21:18
Analyst: Abid Mahmood

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	7.37	ug/kg	U	1
1,1,2,2-Tetrachloroethane	BQL	7.37	ug/kg	U	1
1,1,2-Trichloroethane	BQL	7.37	ug/kg	U	1
1,1-Dichloroethane	BQL	7.37	ug/kg	U	1
1,1-Dichloroethene	BQL	7.37	ug/kg	U	1
1,2-Dichloroethane	BQL	7.37	ug/kg	U	1
1,2-Dichloropropane	BQL	7.37	ug/kg	U	1
2-Butanone	BQL	14.7	ug/kg	U	1
2-Hexanone	BQL	14.7	ug/kg	U	1
4-Methyl-2-Pentanone	BQL	14.7	ug/kg	U	1
Acetone	19.6	14.7	ug/kg		1
Benzene	BQL	7.37	ug/kg	U	1
Bromodichloromethane	BQL	7.37	ug/kg	U	1
Bromoform	BQL	7.37	ug/kg	U	1
Bromomethane	BQL	14.7	ug/kg	U	1
Carbon Disulfide	BQL	7.37	ug/kg	U	1
Carbon Tetrachloride	BQL	7.37	ug/kg	U	1
Chlorobenzene	BQL	7.37	ug/kg	U	1
Chloroethane	BQL	14.7	ug/kg	U	1
Chloroform	BQL	7.37	ug/kg	U	1
Chloromethane	BQL	14.7	ug/kg	U	1
Dibromochloromethane	BQL	7.37	ug/kg	U	1
Ethylbenzene	BQL	7.37	ug/kg	U	1
Methylene Chloride	33.8	7.37	ug/kg		1
Styrene	BQL	7.37	ug/kg	U	1
Tetrachloroethene	BQL	7.37	ug/kg	U	1
Toluene	BQL	7.37	ug/kg	U	1
Trichloroethene	BQL	7.37	ug/kg	U	1
Vinyl Chloride	BQL	14.7	ug/kg	U	1
cis-1,2-Dichloroethene	BQL	7.37	ug/kg	U	1
cis-1,3-Dichloropropene	BQL	7.37	ug/kg	U	1
m,p-Xylenes	BQL	7.37	ug/kg	U	1
o-Xylene	BQL	7.37	ug/kg	U	1
trans-1,2-dichloroethene	BQL	7.37	ug/kg	U	1
trans-1,3-dichloropropene	BQL	7.37	ug/kg	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID 09182000-TB
GPL ID: 9122-001-01-1/2
Matrix: Water
Date Collected: Sep-18-2000
Date Received: Sep-20-2000

Prep Method: SW5030B
Prep Date: Sep-25-2000
Prep Time: 10:17
Prep Chemist: Abid Mahmood

Analytical Method: SW8260LL_TCL
Date Analyzed: Sep-25-2000
Time Analyzed 14:11
Analyst: Abid Mahmood

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	1	ug/L	U	1
1,1,2,2-Tetrachloroethane	BQL	1	ug/L	U	1
1,1,2-Trichloroethane	BQL	1	ug/L	U	1
1,1-Dichloroethane	BQL	1	ug/L	U	1
1,1-Dichloroethene	BQL	1	ug/L	U	1
1,2-Dichloroethane	BQL	1	ug/L	U	1
1,2-Dichloropropane	BQL	1	ug/L	U	1
2-Butanone	BQL	5	ug/L	U	1
2-Hexanone	BQL	5	ug/L	U	1
4-Methyl-2-Pentanone	BQL	5	ug/L	U	1
Acetone	BQL	5	ug/L	U	1
Benzene	BQL	1	ug/L	U	1
Bromodichloromethane	BQL	1	ug/L	U	1
Bromoform	BQL	1	ug/L	U	1
Bromomethane	BQL	1	ug/L	U	1
Carbon Disulfide	BQL	1	ug/L	U	1
Carbon Tetrachloride	BQL	1	ug/L	U	1
Chlorobenzene	BQL	1	ug/L	U	1
Chloroethane	BQL	1	ug/L	U	1
Chloroform	BQL	1	ug/L	U	1
Chloromethane	BQL	1	ug/L	U	1
Dibromochloromethane	BQL	1	ug/L	U	1
Ethylbenzene	BQL	1	ug/L	U	1
Methylene Chloride	1.25	1	ug/L		1
Styrene	BQL	1	ug/L	U	1
Tetrachloroethene	BQL	1	ug/L	U	1
Toluene	BQL	1	ug/L	U	1
Trichloroethene	BQL	1	ug/L	U	1
Vinyl Chloride	BQL	1	ug/L	U	1
cis-1,2-Dichloroethene	BQL	1	ug/L	U	1
cis-1,3-Dichloropropene	BQL	1	ug/L	U	1
m,p-Xylenes	BQL	1	ug/L	U	1
o-Xylene	BQL	1	ug/L	U	1
trans-1,2-dichloroethene	BQL	1	ug/L	U	1
trans-1,3-dichloropropene	BQL	1	ug/L	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB2001
GPL ID: 9122-010-01-1/3
Matrix: Water
Date Collected: Sep-18-2000
Date Received: Sep-20-2000

Prep Method: SW5030B
Prep Date: Sep-25-2000
Prep Time: 10:17
Prep Chemist: Abid Mahmood

Analytical Method: SW8260LL_TCL
Date Analyzed: Sep-25-2000
Time Analyzed 17:39
Analyst: Abid Mahmood

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	1	ug/L	U	1
1,1,2,2-Tetrachloroethane	BQL	1	ug/L	U	1
1,1,2-Trichloroethane	BQL	1	ug/L	U	1
1,1-Dichloroethane	BQL	1	ug/L	U	1
1,1-Dichloroethene	BQL	1	ug/L	U	1
1,2-Dichloroethane	BQL	1	ug/L	U	1
1,2-Dichloropropane	BQL	1	ug/L	U	1
2-Butanone	BQL	5	ug/L	U	1
2-Hexanone	BQL	5	ug/L	U	1
4-Methyl-2-Pentanone	BQL	5	ug/L	U	1
Acetone	BQL	5	ug/L	U	1
Benzene	BQL	1	ug/L	U	1
Bromodichloromethane	BQL	1	ug/L	U	1
Bromoform	BQL	1	ug/L	U	1
Bromomethane	BQL	1	ug/L	U	1
Carbon Disulfide	0.590	1	ug/L	J	1
Carbon Tetrachloride	BQL	1	ug/L	U	1
Chlorobenzene	BQL	1	ug/L	U	1
Chloroethane	BQL	1	ug/L	U	1
Chloroform	BQL	1	ug/L	U	1
Chloromethane	BQL	1	ug/L	U	1
Dibromochloromethane	BQL	1	ug/L	U	1
Ethylbenzene	BQL	1	ug/L	U	1
Methylene Chloride	1.13	1	ug/L		1
Styrene	BQL	1	ug/L	U	1
Tetrachloroethene	BQL	1	ug/L	U	1
Toluene	BQL	1	ug/L	U	1
Trichloroethene	BQL	1	ug/L	U	1
Vinyl Chloride	BQL	1	ug/L	U	1
cis-1,2-Dichloroethene	BQL	1	ug/L	U	1
cis-1,3-Dichloropropene	BQL	1	ug/L	U	1
m,p-Xylenes	BQL	1	ug/L	U	1
o-Xylene	BQL	1	ug/L	U	1
trans-1,2-dichloroethene	BQL	1	ug/L	U	1
trans-1,3-dichloropropene	BQL	1	ug/L	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB2002
GPL ID: 9122-013-01-1/3
Matrix: Water
Date Collected: Sep-18-2000
Date Received: Sep-20-2000

Prep Method: SW5030B
Prep Date: Sep-25-2000
Prep Time: 10:17
Prep Chemist: Abid Mahmood

Analytical Method: SW8260LL_TCL
Date Analyzed: Sep-25-2000
Time Analyzed 19:22
Analyst: Abid Mahmood

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	1	ug/L	U	1
1,1,2,2-Tetrachloroethane	BQL	1	ug/L	U	1
1,1,2-Trichloroethane	BQL	1	ug/L	U	1
1,1-Dichloroethane	BQL	1	ug/L	U	1
1,1-Dichloroethene	BQL	1	ug/L	U	1
1,2-Dichloroethane	BQL	1	ug/L	U	1
1,2-Dichloropropane	BQL	1	ug/L	U	1
2-Butanone	BQL	5	ug/L	U	1
2-Hexanone	BQL	5	ug/L	U	1
4-Methyl-2-Pentanone	BQL	5	ug/L	U	1
Acetone	BQL	5	ug/L	U	1
Benzene	BQL	1	ug/L	U	1
Bromodichloromethane	BQL	1	ug/L	U	1
Bromoform	BQL	1	ug/L	U	1
Bromomethane	BQL	1	ug/L	U	1
Carbon Disulfide	12.7	1	ug/L		1
Carbon Tetrachloride	BQL	1	ug/L	U	1
Chlorobenzene	BQL	1	ug/L	U	1
Chloroethane	BQL	1	ug/L	U	1
Chloroform	BQL	1	ug/L	U	1
Chloromethane	BQL	1	ug/L	U	1
Dibromochloromethane	BQL	1	ug/L	U	1
Ethylbenzene	BQL	1	ug/L	U	1
Methylene Chloride	0.740	1	ug/L	J	1
Styrene	BQL	1	ug/L	U	1
Tetrachloroethene	BQL	1	ug/L	U	1
Toluene	BQL	1	ug/L	U	1
Trichloroethene	BQL	1	ug/L	U	1
Vinyl Chloride	BQL	1	ug/L	U	1
cis-1,2-Dichloroethene	BQL	1	ug/L	U	1
cis-1,3-Dichloropropene	BQL	1	ug/L	U	1
m,p-Xylenes	BQL	1	ug/L	U	1
o-Xylene	BQL	1	ug/L	U	1
trans-1,2-dichloroethene	BQL	1	ug/L	U	1
trans-1,3-dichloropropene	BQL	1	ug/L	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB2003
GPL ID: 9122-014-01-1/3
Matrix: Water
Date Collected: Sep-18-2000
Date Received: Sep-20-2000

Prep Method: SW5030B
Prep Date: Sep-25-2000
Prep Time: 10:17
Prep Chemist: Abid Mahmood

Analytical Method: SW8260LL_TCL
Date Analyzed: Sep-25-2000
Time Analyzed 19:56
Analyst: Abid Mahmood

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	1	ug/L	U	1
1,1,2,2-Tetrachloroethane	BQL	1	ug/L	U	1
1,1,2-Trichloroethane	BQL	1	ug/L	U	1
1,1-Dichloroethane	BQL	1	ug/L	U	1
1,1-Dichloroethene	BQL	1	ug/L	U	1
1,2-Dichloroethane	BQL	1	ug/L	U	1
1,2-Dichloropropane	BQL	1	ug/L	U	1
2-Butanone	BQL	5	ug/L	U	1
2-Hexanone	BQL	5	ug/L	U	1
4-Methyl-2-Pentanone	BQL	5	ug/L	U	1
Acetone	BQL	5	ug/L	U	1
Benzene	BQL	1	ug/L	U	1
Bromodichloromethane	BQL	1	ug/L	U	1
Bromoform	BQL	1	ug/L	U	1
Bromomethane	BQL	1	ug/L	U	1
Carbon Disulfide	2.43	1	ug/L		1
Carbon Tetrachloride	BQL	1	ug/L	U	1
Chlorobenzene	BQL	1	ug/L	U	1
Chloroethane	BQL	1	ug/L	U	1
Chloroform	BQL	1	ug/L	U	1
Chloromethane	BQL	1	ug/L	U	1
Dibromochloromethane	BQL	1	ug/L	U	1
Ethylbenzene	BQL	1	ug/L	U	1
Methylene Chloride	0.680	1	ug/L	J	1
Styrene	BQL	1	ug/L	U	1
Tetrachloroethene	BQL	1	ug/L	U	1
Toluene	BQL	1	ug/L	U	1
Trichloroethene	BQL	1	ug/L	U	1
Vinyl Chloride	BQL	1	ug/L	U	1
cis-1,2-Dichloroethene	BQL	1	ug/L	U	1
cis-1,3-Dichloropropene	BQL	1	ug/L	U	1
m,p-Xylenes	BQL	1	ug/L	U	1
o-Xylene	BQL	1	ug/L	U	1
trans-1,2-dichloroethene	BQL	1	ug/L	U	1
trans-1,3-dichloropropene	BQL	1	ug/L	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB2004
GPL ID: 9122-015-01-1/3
Matrix: Water
Date Collected: Sep-18-2000
Date Received: Sep-20-2000

Prep Method: SW5030B
Prep Date: Sep-25-2000
Prep Time: 10:17
Prep Chemist: Abid Mahmood

Analytical Method: SW8260LL_TCL
Date Analyzed: Sep-25-2000
Time Analyzed 20:31
Analyst: Abid Mahmood

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	1	ug/L	U	1
1,1,2,2-Tetrachloroethane	BQL	1	ug/L	U	1
1,1,2-Trichloroethane	BQL	1	ug/L	U	1
1,1-Dichloroethane	BQL	1	ug/L	U	1
1,1-Dichloroethene	BQL	1	ug/L	U	1
1,2-Dichloroethane	BQL	1	ug/L	U	1
1,2-Dichloropropane	BQL	1	ug/L	U	1
2-Butanone	BQL	5	ug/L	U	1
2-Hexanone	BQL	5	ug/L	U	1
4-Methyl-2-Pentanone	BQL	5	ug/L	U	1
Acetone	BQL	5	ug/L	U	1
Benzene	BQL	1	ug/L	U	1
Bromodichloromethane	BQL	1	ug/L	U	1
Bromoform	BQL	1	ug/L	U	1
Bromomethane	BQL	1	ug/L	U	1
Carbon Disulfide	8.09	1	ug/L		1
Carbon Tetrachloride	BQL	1	ug/L	U	1
Chlorobenzene	BQL	1	ug/L	U	1
Chloroethane	BQL	1	ug/L	U	1
Chloroform	BQL	1	ug/L	U	1
Chloromethane	BQL	1	ug/L	U	1
Dibromochloromethane	BQL	1	ug/L	U	1
Ethylbenzene	BQL	1	ug/L	U	1
Methylene Chloride	0.600	1	ug/L	J	1
Styrene	BQL	1	ug/L	U	1
Tetrachloroethene	BQL	1	ug/L	U	1
Toluene	BQL	1	ug/L	U	1
Trichloroethene	BQL	1	ug/L	U	1
Vinyl Chloride	BQL	1	ug/L	U	1
cis-1,2-Dichloroethene	BQL	1	ug/L	U	1
cis-1,3-Dichloropropene	BQL	1	ug/L	U	1
m,p-Xylenes	BQL	1	ug/L	U	1
o-Xylene	BQL	1	ug/L	U	1
trans-1,2-dichloroethene	BQL	1	ug/L	U	1
trans-1,3-dichloropropene	BQL	1	ug/L	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB2006
GPL ID: 9122-016-01-1/3
Matrix: Water
Date Collected: Sep-18-2000
Date Received: Sep-20-2000

Prep Method: SW5030B
Prep Date: Sep-25-2000
Prep Time: 10:17
Prep Chemist: Abid Mahmood

Analytical Method: SW8260LL_TCL
Date Analyzed: Sep-25-2000
Time Analyzed 21:05
Analyst: Abid Mahmood

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	1	ug/L	U	1
1,1,2,2-Tetrachloroethane	BQL	1	ug/L	U	1
1,1,2-Trichloroethane	BQL	1	ug/L	U	1
1,1-Dichloroethane	BQL	1	ug/L	U	1
1,1-Dichloroethene	BQL	1	ug/L	U	1
1,2-Dichloroethane	BQL	1	ug/L	U	1
1,2-Dichloropropane	BQL	1	ug/L	U	1
2-Butanone	BQL	5	ug/L	U	1
2-Hexanone	BQL	5	ug/L	U	1
4-Methyl-2-Pentanone	BQL	5	ug/L	U	1
Acetone	BQL	5	ug/L	U	1
Benzene	BQL	1	ug/L	U	1
Bromodichloromethane	BQL	1	ug/L	U	1
Bromoform	BQL	1	ug/L	U	1
Bromomethane	BQL	1	ug/L	U	1
Carbon Disulfide	10.5	1	ug/L		1
Carbon Tetrachloride	BQL	1	ug/L	U	1
Chlorobenzene	BQL	1	ug/L	U	1
Chloroethane	BQL	1	ug/L	U	1
Chloroform	BQL	1	ug/L	U	1
Chloromethane	BQL	1	ug/L	U	1
Dibromochloromethane	BQL	1	ug/L	U	1
Ethylbenzene	BQL	1	ug/L	U	1
Methylene Chloride	0.710	1	ug/L	J	1
Styrene	BQL	1	ug/L	U	1
Tetrachloroethene	BQL	1	ug/L	U	1
Toluene	BQL	1	ug/L	U	1
Trichloroethene	BQL	1	ug/L	U	1
Vinyl Chloride	BQL	1	ug/L	U	1
cis-1,2-Dichloroethene	BQL	1	ug/L	U	1
cis-1,3-Dichloropropene	BQL	1	ug/L	U	1
m,p-Xylenes	BQL	1	ug/L	U	1
o-Xylene	BQL	1	ug/L	U	1
trans-1,2-dichloroethene	BQL	1	ug/L	U	1
trans-1,3-dichloropropene	BQL	1	ug/L	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB2016
GPL ID: 9122-017-01-1/3
Matrix: Water
Date Collected: Sep-18-2000
Date Received: Sep-20-2000

Prep Method: SW5030B
Prep Date: Sep-25-2000
Prep Time: 10:17
Prep Chemist: Abid Mahmood

Analytical Method: SW8260LL_TCL
Date Analyzed: Sep-25-2000
Time Analyzed 21:39
Analyst: Abid Mahmood

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	1	ug/L	U	1
1,1,2,2-Tetrachloroethane	BQL	1	ug/L	U	1
1,1,2-Trichloroethane	BQL	1	ug/L	U	1
1,1-Dichloroethane	BQL	1	ug/L	U	1
1,1-Dichloroethene	BQL	1	ug/L	U	1
1,2-Dichloroethane	BQL	1	ug/L	U	1
1,2-Dichloropropane	BQL	1	ug/L	U	1
2-Butanone	BQL	5	ug/L	U	1
2-Hexanone	BQL	5	ug/L	U	1
4-Methyl-2-Pentanone	BQL	5	ug/L	U	1
Acetone	3.58	5	ug/L	J	1
Benzene	BQL	1	ug/L	U	1
Bromodichloromethane	BQL	1	ug/L	U	1
Bromoform	BQL	1	ug/L	U	1
Bromomethane	BQL	1	ug/L	U	1
Carbon Disulfide	1.61	1	ug/L		1
Carbon Tetrachloride	BQL	1	ug/L	U	1
Chlorobenzene	BQL	1	ug/L	U	1
Chloroethane	BQL	1	ug/L	U	1
Chloroform	BQL	1	ug/L	U	1
Chloromethane	BQL	1	ug/L	U	1
Dibromochloromethane	BQL	1	ug/L	U	1
Ethylbenzene	BQL	1	ug/L	U	1
Methylene Chloride	0.690	1	ug/L	J	1
Styrene	BQL	1	ug/L	U	1
Tetrachloroethene	BQL	1	ug/L	U	1
Toluene	BQL	1	ug/L	U	1
Trichloroethene	BQL	1	ug/L	U	1
Vinyl Chloride	BQL	1	ug/L	U	1
cis-1,2-Dichloroethene	BQL	1	ug/L	U	1
cis-1,3-Dichloropropene	BQL	1	ug/L	U	1
m,p-Xylenes	BQL	1	ug/L	U	1
o-Xylene	BQL	1	ug/L	U	1
trans-1,2-dichloroethene	BQL	1	ug/L	U	1
trans-1,3-dichloropropene	BQL	1	ug/L	U	1

2A

WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: GPL LABORATORIES, LLLP Contract: PLIMBROOK_ORDN

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

	CLIENT SAMPLE NO.	SMC1 #	SMC2 #	SMC3 #	SMC4 #	TOT OUT
01	BLK6945	101	106	98	92	0
02	BKS6945	102	113	113	115	0
03	09182000-TB	93	97	93	86	0
04	AB2001	109	105	103	99	0
05	AB2001 MS	112	98	104	101	0
06	AB2001 MSD	109	100	100	102	0
07	AB2002	97	93	88	86	0
08	AB2003	103	108	103	100	0
09	AB2004	101	105	97	92	0
10	AB2006	113	106	100	94	0
11	AB2016	104	99	94	87	0

			QC LIMITS
SMC1	=	1,2-Dichloroethane-d4	(77-133)
SMC2	=	Toluene-d8	(74-128)
SMC3	=	4-Bromofluorobenzene	(81-125)
SMC4	=	1,2-Dichlorobenzene-d4	(76-134)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

2B

SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: GPL LABORATORIES, LLLP Contract: PLUMBROOK_ORDN

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Level: (low/med) LOW

	CLIENT SAMPLE NO.	SMC1 #	SMC2 #	SMC3 #	SMC4 #	TOT OUT
01	BLK6878	93	93	100	102	0
02	BKS6878	87	99	102	105	0
03	AB1001	108	93	107	106	0
04	AB1001 MS	98	91	96	101	0
05	AB1001 MSD	99	94	101	106	0
06	AB1002	112	103	107	120	0
07	AB1003	117	97	114	128	0
08	AB1004	91	86	95	96	0
09	AB1006	100	102	118	125	0
10	AB1016	82	90	101	111	0

			QC LIMITS
SMC1	=	1,2-Dichloroethane-d4	(72-129)
SMC2	=	Toluene-d8	(68-122)
SMC3	=	4-Bromofluorobenzene	(71-122)
SMC4	=	1,2-Dichlorobenzene-d4	(68-138)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

3A

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: GPL LABORATORIES, LLLP Contract: PLIMBROOK_OR

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Matrix Spike - EPA Sample No.: AB2001

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
1,1-Dichloroethene	10	0.0	10.0	100	51 - 134
Benzene	10	0.0	11	110	61 - 120
Trichloroethene	10	0.0	9.8	98	44 - 139
Toluene	10	0.0	10	100	53 - 118
Chlorobenzene	10	0.0	10	100	68 - 125

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	10	9.6	96	4	25	51 - 134
Benzene	10	11	110	0	25	61 - 120
Trichloroethene	10	9.7	97	1	25	44 - 139
Toluene	10	10	100	0	25	53 - 118
Chlorobenzene	10	10	100	0	25	68 - 125

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 5 outside limits

Spike Recovery: 0 out of 10 outside limits

COMMENTS:

3B

SOIL VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: GPL LABORATORIES, LLLP Contract: PLUMBROOK_O

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Matrix Spike - EPA Sample No.: AB1001 Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC LIMITS REC.
1,1-Dichloroethene	67	0.0	46	69	39 - 147
Benzene	67	3.4	44	61	36 - 150
Trichloroethene	67	0.0	45	67	33 - 150
Toluene	67	6.8	44	55	34 - 151
Chlorobenzene	67	0.0	38	57	33 - 143

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	67	46	69	0	25	39 - 147
Benzene	67	45	63	3	25	36 - 150
Trichloroethene	67	47	70	4	25	33 - 150
Toluene	67	42	52	6	25	34 - 151
Chlorobenzene	67	38	57	0	25	33 - 143

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 5 outside limits

Spike Recovery: 0 out of 10 outside limits

COMMENTS:

LAB CONTROL STANDARD RECOVERY

Lab Name:	GPL LABORATORIES, LLLP			Contract:	PLUMBROOK_ORDN
Case No.:	N/A			SDG No.:	N/A
Lab Code:	GPLL			Lab Sample ID:	VKS0921
Lab File ID:	S004668.D	Matrix:	SOIL	Date Analyzed:	9/21/00

COMPOUND	LCS ADDED (ugKg)	CONCENTRATION FOUND (ug/Kg)	PERCENT RECOVERY #	INTERNAL LABORATORY LIMITS
Vinyl Chloride	50	44	88	29-148
1,1-Dichloroethene	50	47	94	40-150
Chloroform	50	48	96	61-146
1,1,1-Trichloroethane	50	48	96	59-155
Carbon Tetrachloride	50	48	96	61-152
Benzene	50	52	104	59-153
1,2-Dichloroethane	50	48	96	63-151
Trichloroethene	50	51	102	55-145
Bromodichloromethane	50	50	100	65-151
Dibromochloromethane	50	49	98	52-155
Bromoform	50	49	98	36-150

* Value outside internal laboratory limits

Comments: _____

LAB CONTROL STANDARD RECOVERY

Lab Name:	GPL LABORATORIES, LLLP			Contract:	PLUMBROOK
Case No.:	N/A			SDG No.:	N/A
Lab Code:	GPLL			Lab Sample ID:	BKS0925
Lab File ID:	B26454.D	Matrix:	WATER	Date Analyzed:	9/25/00

COMPOUND	LCS ADDED (ug/L)	CONCENTRATION FOUND (ug/L)	PERCENT RECOVERY #	INTERNAL LABORATORY LIMITS
Vinyl Chloride	10	10.0	100	42-126
1,1-Dichloroethene	10	10.5	105	51-134
Chloroform	10	10.1	101	64-139
1,1,1-Trichloroethane	10	10.2	102	64-150
Carbon Tetrachloride	10	10.5	105	49-169
Benzene	10	11.4	114	61-120
1,2-Dichloroethane	10	11.4	114	64-141
Trichloroethene	10	9.9	99	44-139
Bromodichloromethane	10	10.8	108	60-142
Dibromochloromethane	10	10.6	106	54-164
Bromoform	10	10.5	105	46-156

* Value outside internal laboratory limits

Comments: _____

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

BLK6878

Lab Name: GPL LABORATORIES, LLLP Contract: PLUMBRO

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Lab File ID: S004667.D Lab Sample ID: BLK0921

Date Analyzed: 09/21/00 Time Analyzed: 13:14

GC Column: DB-VRX ID: 0.25 (mm) Heated Purge: (Y/N) Y

Instrument ID: HP#S

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	BKS6878	BKS0921	S004668.D	13:58
02	AB1001	9122-002-01-1	S004672.D	16:43
03	AB1001 MS	9122-003-01-1 S	S004673.D	17:23
04	AB1001 MSD	9122-004-01-1 SD	S004674.D	18:02
05	AB1002	9122-005-01-1	S004675.D	18:41
06	AB1003	9122-006-01-1	S004676.D	19:21
07	AB1004	9122-007-01-1	S004677.D	20:00
08	AB1006	9122-008-01-1	S004678.D	20:39
09	AB1016	9122-009-01-1	S004679.D	21:18

COMMENTS

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

BLK6945

Lab Name: GPL LABORATORIES, LLLP Contract: PLIMBROO

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Lab File ID: B26453.D Lab Sample ID: BLK0925

Date Analyzed: 09/25/00 Time Analyzed: 11:18

GC Column: RTXVO ID: 0.53 (mm) Heated Purge: (Y/N) N

Instrument ID: 5970-B

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	BKS6945	BKS0925	B26454.D	11:53
02	09182000-TB	9122-001-01-1	B26458.D	14:11
03	AB2001	9122-010-01-1	B26464.D	17:39
04	AB2001 MS	9122-011-01-1 S	B26465.D	18:13
05	AB2001 MSD	9122-012-01-1 SD	B26466.D	18:47
06	AB2002	9122-013-01-1	B26467.D	19:22
07	AB2003	9122-014-01-1	B26468.D	19:56
08	AB2004	9122-015-01-1	B26469.D	20:31
09	AB2006	9122-016-01-1	B26470.D	21:05
10	AB2016	9122-017-01-1	B26471.D	21:39

COMMENTS

Summary of Analytical Results

Client ID AB2001
GPL ID: 9122-010-07-1/2
Matrix: Water
Date Collected: Sep-18-2000
Date Received: Sep-20-2000

Prep Method: SW3520C
Prep Date: Sep-22-2000
Prep Time: 17:15
Prep Chemist: Veena Telhan

Analytical Method: SW8270CTCL
Date Analyzed: Oct-02-2000
Time Analyzed 20:28
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	10.2	ug/L	U	1
1,2-Dichlorobenzene	BQL	10.2	ug/L	U	1
1,3-Dichlorobenzene	BQL	10.2	ug/L	U	1
1,4-Dichlorobenzene	BQL	10.2	ug/L	U	1
2,2-Oxybis(1-Chloro)Propane	BQL	10.2	ug/L	U	1
2,4,5-Trichlorophenol	BQL	10.2	ug/L	U	1
2,4,6-Trichlorophenol	BQL	10.2	ug/L	U	1
2,4-Dichlorophenol	BQL	10.2	ug/L	U	1
2,4-Dimethylphenol	BQL	10.2	ug/L	U	1
2,4-Dinitrophenol	BQL	20.4	ug/L	U	1
2,4-Dinitrotoluene	BQL	10.2	ug/L	U	1
2,6-Dinitrotoluene	BQL	10.2	ug/L	U	1
2-Chloronaphthalene	BQL	10.2	ug/L	U	1
2-Chlorophenol	BQL	10.2	ug/L	U	1
2-Methylnaphthalene	BQL	10.2	ug/L	U	1
2-Nitroaniline	BQL	10.2	ug/L	U	1
2-Nitrophenol	BQL	10.2	ug/L	U	1
2-methylphenol	BQL	10.2	ug/L	U	1
3,3-Dichlorobenzidine	BQL	20.4	ug/L	U	1
3-Nitroaniline	BQL	10.2	ug/L	U	1
4,6-dinitro-2-methyl phenol	BQL	20.4	ug/L	U	1
4-Bromophenyl-phenylether	BQL	10.2	ug/L	U	1
4-Chloroaniline	BQL	10.2	ug/L	U	1
4-Chlorophenyl Phenyl Ether	BQL	10.2	ug/L	U	1
4-Nitroaniline	BQL	10.2	ug/L	U	1
4-Nitrophenol	BQL	20.4	ug/L	U	1
4-chloro-3-methylphenol	BQL	10.2	ug/L	U	1
4-methylphenol	BQL	10.2	ug/L	U	1
Acenaphthene	BQL	10.2	ug/L	U	1
Acenaphthylene	BQL	10.2	ug/L	U	1
Anthracene	BQL	10.2	ug/L	U	1
Benzo(a)anthracene	BQL	10.2	ug/L	U	1
Benzo(a)pyrene	BQL	10.2	ug/L	U	1
Benzo(b)fluoranthene	BQL	10.2	ug/L	U	1
Benzo(g,h,i)perylene	BQL	10.2	ug/L	U	1
Benzo(k)fluoranthene	BQL	10.2	ug/L	U	1
Benzyl Butyl Phthalate	BQL	10.2	ug/L	U	1
Carbazole	BQL	10.2	ug/L	U	1
Chrysene	BQL	10.2	ug/L	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB2001
GPL ID: 9122-010-07-1/2
Matrix: Water
Date Collected: Sep-18-2000
Date Received: Sep-20-2000

Prep Method: SW3520C
Prep Date: Sep-22-2000
Prep Time: 17:15
Prep Chemist: Veena Telhan

Analytical Method: SW8270CTCL
Date Analyzed: Oct-02-2000
Time Analyzed 20:28
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	10.2	ug/L	U	1
Dibenzofuran	BQL	10.2	ug/L	U	1
Diethyl Phthalate	BQL	10.2	ug/L	U	1
Dimethyl Phthalate	BQL	10.2	ug/L	U	1
Fluoranthene	BQL	10.2	ug/L	U	1
Fluorene	BQL	10.2	ug/L	U	1
Hexachlorobenzene	BQL	10.2	ug/L	U	1
Hexachlorobutadiene	BQL	10.2	ug/L	U	1
Hexachlorocyclopentadiene	BQL	10.2	ug/L	U	1
Hexachloroethane	BQL	10.2	ug/L	U	1
Indeno(1,2,3-c,d)Pyrene	BQL	10.2	ug/L	U	1
Isophorone	BQL	10.2	ug/L	U	1
Naphthalene	BQL	10.2	ug/L	U	1
Nitrobenzene	BQL	10.2	ug/L	U	1
Pentachlorophenol	BQL	20.4	ug/L	U	1
Phenanthrene	BQL	10.2	ug/L	U	1
Phenol	BQL	10.2	ug/L	U	1
Pyrene	BQL	10.2	ug/L	U	1
bis(2-chloroethoxy) methane	BQL	10.2	ug/L	U	1
bis(2-chloroethyl) ether	BQL	10.2	ug/L	U	1
bis(2-ethylhexyl) phthalate	BQL	10.2	ug/L	U	1
di-n-Butyl Phthalate	BQL	10.2	ug/L	U	1
di-n-Octyl Phthalate	BQL	10.2	ug/L	U	1
n-Nitrosodi-n-Propylamine	BQL	10.2	ug/L	U	1
n-Nitrosodiphenylamine	BQL	10.2	ug/L	U	1

Summary of Analytical Results

Client ID AB2002
GPL ID: 9122-013-07-1/2
Matrix: Water
Date Collected: Sep-18-2000
Date Received: Sep-20-2000

Prep Method: SW3520C
Prep Date: Sep-22-2000
Prep Time: 17:15
Prep Chemist: Veena Telhan

Analytical Method: SW8270CTCL
Date Analyzed: Oct-03-2000
Time Analyzed 18:21
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	11.1	ug/L	U	1
1,2-Dichlorobenzene	BQL	11.1	ug/L	U	1
1,3-Dichlorobenzene	BQL	11.1	ug/L	U	1
1,4-Dichlorobenzene	BQL	11.1	ug/L	U	1
2,2-Oxybis(1-Chloro)Propane	BQL	11.1	ug/L	U	1
2,4,5-Trichlorophenol	BQL	11.1	ug/L	U	1
2,4,6-Trichlorophenol	BQL	11.1	ug/L	U	1
2,4-Dichlorophenol	BQL	11.1	ug/L	U	1
2,4-Dimethylphenol	BQL	11.1	ug/L	U	1
2,4-Dinitrophenol	BQL	22.2	ug/L	U	1
2,4-Dinitrotoluene	BQL	11.1	ug/L	U	1
2,6-Dinitrotoluene	BQL	11.1	ug/L	U	1
2-Chloronaphthalene	BQL	11.1	ug/L	U	1
2-Chlorophenol	BQL	11.1	ug/L	U	1
2-Methylnaphthalene	BQL	11.1	ug/L	U	1
2-Nitroaniline	BQL	11.1	ug/L	U	1
2-Nitrophenol	BQL	11.1	ug/L	U	1
2-methylphenol	BQL	11.1	ug/L	U	1
3,3-Dichlorobenzidine	BQL	22.2	ug/L	U	1
3-Nitroaniline	BQL	11.1	ug/L	U	1
4,6-dinitro-2-methyl phenol	BQL	22.2	ug/L	U	1
4-Bromophenyl-phenylether	BQL	11.1	ug/L	U	1
4-Chloroaniline	BQL	11.1	ug/L	U	1
4-Chlorophenyl Phenyl Ether	BQL	11.1	ug/L	U	1
4-Nitroaniline	BQL	11.1	ug/L	U	1
4-Nitrophenol	BQL	22.2	ug/L	U	1
4-chloro-3-methylphenol	BQL	11.1	ug/L	U	1
4-methylphenol	BQL	11.1	ug/L	U	1
Acenaphthene	BQL	11.1	ug/L	U	1
Acenaphthylene	BQL	11.1	ug/L	U	1
Anthracene	BQL	11.1	ug/L	U	1
Benzo(a)anthracene	BQL	11.1	ug/L	U	1
Benzo(a)pyrene	BQL	11.1	ug/L	U	1
Benzo(b)fluoranthene	BQL	11.1	ug/L	U	1
Benzo(g,h,i)perylene	BQL	11.1	ug/L	U	1
Benzo(k)fluoranthene	BQL	11.1	ug/L	U	1
Benzyl Butyl Phthalate	BQL	11.1	ug/L	U	1
Carbazole	BQL	11.1	ug/L	U	1
Chrysene	BQL	11.1	ug/L	U	1

Summary of Analytical Results

Client ID AB2002
GPL ID: 9122-013-07-1/2
Matrix: Water
Date Collected: Sep-18-2000
Date Received: Sep-20-2000

Prep Method: SW3520C
Prep Date: Sep-22-2000
Prep Time: 17:15
Prep Chemist: Veena Telhan

Analytical Method: SW8270CTCL
Date Analyzed: Oct-03-2000
Time Analyzed 18:21
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	11.1	ug/L	U	1
Dibenzofuran	BQL	11.1	ug/L	U	1
Diethyl Phthalate	BQL	11.1	ug/L	U	1
Dimethyl Phthalate	BQL	11.1	ug/L	U	1
Fluoranthene	BQL	11.1	ug/L	U	1
Fluorene	BQL	11.1	ug/L	U	1
Hexachlorobenzene	BQL	11.1	ug/L	U	1
Hexachlorobutadiene	BQL	11.1	ug/L	U	1
Hexachlorocyclopentadiene	BQL	11.1	ug/L	U	1
Hexachloroethane	BQL	11.1	ug/L	U	1
Indeno(1,2,3-c,d)Pyrene	BQL	11.1	ug/L	U	1
Isophorone	BQL	11.1	ug/L	U	1
Naphthalene	BQL	11.1	ug/L	U	1
Nitrobenzene	BQL	11.1	ug/L	U	1
Pentachlorophenol	BQL	22.2	ug/L	U	1
Phenanthrene	BQL	11.1	ug/L	U	1
Phenol	BQL	11.1	ug/L	U	1
Pyrene	BQL	11.1	ug/L	U	1
bis(2-chloroethoxy) methane	BQL	11.1	ug/L	U	1
bis(2-chloroethyl) ether	BQL	11.1	ug/L	U	1
bis(2-ethylhexyl) phthalate	BQL	11.1	ug/L	U	1
di-n-Butyl Phthalate	BQL	11.1	ug/L	U	1
di-n-Octyl Phthalate	BQL	11.1	ug/L	U	1
n-Nitrosodi-n-Propylamine	BQL	11.1	ug/L	U	1
n-Nitrosodiphenylamine	BQL	11.1	ug/L	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB2003
GPL ID: 9122-014-07-1/2
Matrix: Water
Date Collected: Sep-18-2000
Date Received: Sep-20-2000

Prep Method: SW3520C
Prep Date: Sep-22-2000
Prep Time: 17:15
Prep Chemist: Veena Telhan

Analytical Method: SW8270CTCL
Date Analyzed: Oct-03-2000
Time Analyzed 19:04
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	10.8	ug/L	U	1
1,2-Dichlorobenzene	BQL	10.8	ug/L	U	1
1,3-Dichlorobenzene	BQL	10.8	ug/L	U	1
1,4-Dichlorobenzene	BQL	10.8	ug/L	U	1
2,2-Oxybis(1-Chloro)Propane	BQL	10.8	ug/L	U	1
2,4,5-Trichlorophenol	BQL	10.8	ug/L	U	1
2,4,6-Trichlorophenol	BQL	10.8	ug/L	U	1
2,4-Dichlorophenol	BQL	10.8	ug/L	U	1
2,4-Dimethylphenol	BQL	10.8	ug/L	U	1
2,4-Dinitrophenol	BQL	21.5	ug/L	U	1
2,4-Dinitrotoluene	BQL	10.8	ug/L	U	1
2,6-Dinitrotoluene	BQL	10.8	ug/L	U	1
2-Chloronaphthalene	BQL	10.8	ug/L	U	1
2-Chlorophenol	BQL	10.8	ug/L	U	1
2-Methylnaphthalene	BQL	10.8	ug/L	U	1
2-Nitroaniline	BQL	10.8	ug/L	U	1
2-Nitrophenol	BQL	10.8	ug/L	U	1
2-methylphenol	BQL	10.8	ug/L	U	1
3,3-Dichlorobenzidine	BQL	21.5	ug/L	U	1
3-Nitroaniline	BQL	10.8	ug/L	U	1
4,6-dinitro-2-methyl phenol	BQL	21.5	ug/L	U	1
4-Bromophenyl-phenylether	BQL	10.8	ug/L	U	1
4-Chloroaniline	BQL	10.8	ug/L	U	1
4-Chlorophenyl Phenyl Ether	BQL	10.8	ug/L	U	1
4-Nitroaniline	BQL	10.8	ug/L	U	1
4-Nitrophenol	BQL	21.5	ug/L	U	1
4-chloro-3-methylphenol	BQL	10.8	ug/L	U	1
4-methylphenol	BQL	10.8	ug/L	U	1
Acenaphthene	BQL	10.8	ug/L	U	1
Acenaphthylene	BQL	10.8	ug/L	U	1
Anthracene	BQL	10.8	ug/L	U	1
Benzo(a)anthracene	BQL	10.8	ug/L	U	1
Benzo(a)pyrene	BQL	10.8	ug/L	U	1
Benzo(b)fluoranthene	BQL	10.8	ug/L	U	1
Benzo(g,h,i)perylene	BQL	10.8	ug/L	U	1
Benzo(k)fluoranthene	BQL	10.8	ug/L	U	1
Benzyl Butyl Phthalate	BQL	10.8	ug/L	U	1
Carbazole	BQL	10.8	ug/L	U	1
Chrysene	BQL	10.8	ug/L	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB2003
GPL ID: 9122-014-07-1/2
Matrix: Water
Date Collected: Sep-18-2000
Date Received: Sep-20-2000

Prep Method: SW3520C
Prep Date: Sep-22-2000
Prep Time: 17:15
Prep Chemist: Veena Telhan

Analytical Method: SW8270CTCL
Date Analyzed: Oct-03-2000
Time Analyzed 19:04
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	10.8	ug/L	U	1
Dibenzofuran	BQL	10.8	ug/L	U	1
Diethyl Phthalate	BQL	10.8	ug/L	U	1
Dimethyl Phthalate	BQL	10.8	ug/L	U	1
Fluoranthene	BQL	10.8	ug/L	U	1
Fluorene	BQL	10.8	ug/L	U	1
Hexachlorobenzene	BQL	10.8	ug/L	U	1
Hexachlorobutadiene	BQL	10.8	ug/L	U	1
Hexachlorocyclopentadiene	BQL	10.8	ug/L	U	1
Hexachloroethane	BQL	10.8	ug/L	U	1
Indeno(1,2,3-c,d)Pyrene	BQL	10.8	ug/L	U	1
Isophorone	BQL	10.8	ug/L	U	1
Naphthalene	BQL	10.8	ug/L	U	1
Nitrobenzene	BQL	10.8	ug/L	U	1
Pentachlorophenol	BQL	21.5	ug/L	U	1
Phenanthrene	BQL	10.8	ug/L	U	1
Phenol	BQL	10.8	ug/L	U	1
Pyrene	BQL	10.8	ug/L	U	1
bis(2-chloroethoxy) methane	BQL	10.8	ug/L	U	1
bis(2-chloroethyl) ether	BQL	10.8	ug/L	U	1
bis(2-ethylhexyl) phthalate	BQL	10.8	ug/L	U	1
di-n-Butyl Phthalate	BQL	10.8	ug/L	U	1
di-n-Octyl Phthalate	BQL	10.8	ug/L	U	1
n-Nitrosodi-n-Propylamine	BQL	10.8	ug/L	U	1
n-Nitrosodiphenylamine	BQL	10.8	ug/L	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB2004
GPL ID: 9122-015-07-1/2
Matrix: Water
Date Collected: Sep-18-2000
Date Received: Sep-20-2000

Prep Method: SW3520C
Prep Date: Sep-22-2000
Prep Time: 17:15
Prep Chemist: Veena Telhan

Analytical Method: SW8270CTCL
Date Analyzed: Oct-03-2000
Time Analyzed 19:46
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	10.5	ug/L	U	1
1,2-Dichlorobenzene	BQL	10.5	ug/L	U	1
1,3-Dichlorobenzene	BQL	10.5	ug/L	U	1
1,4-Dichlorobenzene	BQL	10.5	ug/L	U	1
2,2-Oxybis(1-Chloro)Propane	BQL	10.5	ug/L	U	1
2,4,5-Trichlorophenol	BQL	10.5	ug/L	U	1
2,4,6-Trichlorophenol	BQL	10.5	ug/L	U	1
2,4-Dichlorophenol	BQL	10.5	ug/L	U	1
2,4-Dimethylphenol	BQL	10.5	ug/L	U	1
2,4-Dinitrophenol	BQL	21.1	ug/L	U	1
2,4-Dinitrotoluene	2.57	10.5	ug/L	J	1
2,6-Dinitrotoluene	2.95	10.5	ug/L	J	1
2-Chloronaphthalene	BQL	10.5	ug/L	U	1
2-Chlorophenol	BQL	10.5	ug/L	U	1
2-Methylnaphthalene	BQL	10.5	ug/L	U	1
2-Nitroaniline	BQL	10.5	ug/L	U	1
2-Nitrophenol	BQL	10.5	ug/L	U	1
2-methylphenol	BQL	10.5	ug/L	U	1
3,3-Dichlorobenzidine	BQL	21.1	ug/L	U	1
3-Nitroaniline	BQL	10.5	ug/L	U	1
4,6-dinitro-2-methyl phenol	BQL	21.1	ug/L	U	1
4-Bromophenyl-phenylether	BQL	10.5	ug/L	U	1
4-Chloroaniline	BQL	10.5	ug/L	U	1
4-Chlorophenyl Phenyl Ether	BQL	10.5	ug/L	U	1
4-Nitroaniline	BQL	10.5	ug/L	U	1
4-Nitrophenol	BQL	21.1	ug/L	U	1
4-chloro-3-methylphenol	BQL	10.5	ug/L	U	1
4-methylphenol	BQL	10.5	ug/L	U	1
Acenaphthene	BQL	10.5	ug/L	U	1
Acenaphthylene	BQL	10.5	ug/L	U	1
Anthracene	BQL	10.5	ug/L	U	1
Benzo(a)anthracene	BQL	10.5	ug/L	U	1
Benzo(a)pyrene	BQL	10.5	ug/L	U	1
Benzo(b)fluoranthene	BQL	10.5	ug/L	U	1
Benzo(g,h,i)perylene	BQL	10.5	ug/L	U	1
Benzo(k)fluoranthene	BQL	10.5	ug/L	U	1
Benzyl Butyl Phthalate	BQL	10.5	ug/L	U	1
Carbazole	BQL	10.5	ug/L	U	1
Chrysene	BQL	10.5	ug/L	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB2004
GPL ID: 9122-015-07-1/2
Matrix: Water
Date Collected: Sep-18-2000
Date Received: Sep-20-2000

Prep Method: SW3520C
Prep Date: Sep-22-2000
Prep Time: 17:15
Prep Chemist: Veena Telhan

Analytical Method: SW8270CTCL
Date Analyzed: Oct-03-2000
Time Analyzed 19:46
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	10.5	ug/L	U	1
Dibenzofuran	BQL	10.5	ug/L	U	1
Diethyl Phthalate	BQL	10.5	ug/L	U	1
Dimethyl Phthalate	BQL	10.5	ug/L	U	1
Fluoranthene	BQL	10.5	ug/L	U	1
Fluorene	BQL	10.5	ug/L	U	1
Hexachlorobenzene	BQL	10.5	ug/L	U	1
Hexachlorobutadiene	BQL	10.5	ug/L	U	1
Hexachlorocyclopentadiene	BQL	10.5	ug/L	U	1
Hexachloroethane	BQL	10.5	ug/L	U	1
Indeno(1,2,3-c,d)Pyrene	BQL	10.5	ug/L	U	1
Isophorone	BQL	10.5	ug/L	U	1
Naphthalene	BQL	10.5	ug/L	U	1
Nitrobenzene	BQL	10.5	ug/L	U	1
Pentachlorophenol	BQL	21.1	ug/L	U	1
Phenanthrene	BQL	10.5	ug/L	U	1
Phenol	BQL	10.5	ug/L	U	1
Pyrene	BQL	10.5	ug/L	U	1
bis(2-chloroethoxy) methane	BQL	10.5	ug/L	U	1
bis(2-chloroethyl) ether	BQL	10.5	ug/L	U	1
bis(2-ethylhexyl) phthalate	BQL	10.5	ug/L	U	1
di-n-Butyl Phthalate	BQL	10.5	ug/L	U	1
di-n-Octyl Phthalate	BQL	10.5	ug/L	U	1
n-Nitrosodi-n-Propylamine	BQL	10.5	ug/L	U	1
n-Nitrosodiphenylamine	BQL	10.5	ug/L	U	1

Summary of Analytical Results

Client ID AB2006
GPL ID: 9122-016-07-1/2
Matrix: Water
Date Collected: Sep-18-2000
Date Received: Sep-20-2000

Prep Method: SW3520C
Prep Date: Sep-22-2000
Prep Time: 17:15
Prep Chemist: Veena Telhan

Analytical Method: SW8270CTCL
Date Analyzed: Oct-04-2000
Time Analyzed 12:54
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	10.3	ug/L	U	1
1,2-Dichlorobenzene	BQL	10.3	ug/L	U	1
1,3-Dichlorobenzene	BQL	10.3	ug/L	U	1
1,4-Dichlorobenzene	BQL	10.3	ug/L	U	1
2,2-Oxybis(1-Chloro)Propane	BQL	10.3	ug/L	U	1
2,4,5-Trichlorophenol	BQL	10.3	ug/L	U	1
2,4,6-Trichlorophenol	BQL	10.3	ug/L	U	1
2,4-Dichlorophenol	BQL	10.3	ug/L	U	1
2,4-Dimethylphenol	BQL	10.3	ug/L	U	1
2,4-Dinitrophenol	BQL	20.6	ug/L	U	1
2,4-Dinitrotoluene	BQL	10.3	ug/L	U	1
2,6-Dinitrotoluene	BQL	10.3	ug/L	U	1
2-Chloronaphthalene	BQL	10.3	ug/L	U	1
2-Chlorophenol	BQL	10.3	ug/L	U	1
2-Methylnaphthalene	BQL	10.3	ug/L	U	1
2-Nitroaniline	BQL	10.3	ug/L	U	1
2-Nitrophenol	BQL	10.3	ug/L	U	1
2-methylphenol	BQL	10.3	ug/L	U	1
3,3-Dichlorobenzidine	BQL	20.6	ug/L	U	1
3-Nitroaniline	BQL	10.3	ug/L	U	1
4,6-dinitro-2-methyl phenol	BQL	20.6	ug/L	U	1
4-Bromophenyl-phenylether	BQL	10.3	ug/L	U	1
4-Chloroaniline	BQL	10.3	ug/L	U	1
4-Chlorophenyl Phenyl Ether	BQL	10.3	ug/L	U	1
4-Nitroaniline	BQL	10.3	ug/L	U	1
4-Nitrophenol	BQL	20.6	ug/L	U	1
4-chloro-3-methylphenol	BQL	10.3	ug/L	U	1
4-methylphenol	BQL	10.3	ug/L	U	1
Acenaphthene	BQL	10.3	ug/L	U	1
Acenaphthylene	BQL	10.3	ug/L	U	1
Anthracene	BQL	10.3	ug/L	U	1
Benzo(a)anthracene	BQL	10.3	ug/L	U	1
Benzo(a)pyrene	BQL	10.3	ug/L	U	1
Benzo(b)fluoranthene	BQL	10.3	ug/L	U	1
Benzo(g,h,i)perylene	BQL	10.3	ug/L	U	1
Benzo(k)fluoranthene	BQL	10.3	ug/L	U	1
Benzyl Butyl Phthalate	BQL	10.3	ug/L	U	1
Carbazole	BQL	10.3	ug/L	U	1
Chrysene	BQL	10.3	ug/L	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB2006
GPL ID: 9122-016-07-1/2
Matrix: Water
Date Collected: Sep-18-2000
Date Received: Sep-20-2000

Prep Method: SW3520C
Prep Date: Sep-22-2000
Prep Time: 17:15
Prep Chemist: Veena Telhan

Analytical Method: SW8270CTCL
Date Analyzed: Oct-04-2000
Time Analyzed 12:54
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	10.3	ug/L	U	1
Dibenzofuran	BQL	10.3	ug/L	U	1
Diethyl Phthalate	BQL	10.3	ug/L	U	1
Dimethyl Phthalate	BQL	10.3	ug/L	U	1
Fluoranthene	BQL	10.3	ug/L	U	1
Fluorene	BQL	10.3	ug/L	U	1
Hexachlorobenzene	BQL	10.3	ug/L	U	1
Hexachlorobutadiene	BQL	10.3	ug/L	U	1
Hexachlorocyclopentadiene	BQL	10.3	ug/L	U	1
Hexachloroethane	BQL	10.3	ug/L	U	1
Indeno(1,2,3-c,d)Pyrene	BQL	10.3	ug/L	U	1
Isophorone	BQL	10.3	ug/L	U	1
Naphthalene	BQL	10.3	ug/L	U	1
Nitrobenzene	BQL	10.3	ug/L	U	1
Pentachlorophenol	BQL	20.6	ug/L	U	1
Phenanthrene	BQL	10.3	ug/L	U	1
Phenol	BQL	10.3	ug/L	U	1
Pyrene	BQL	10.3	ug/L	U	1
bis(2-chloroethoxy) methane	BQL	10.3	ug/L	U	1
bis(2-chloroethyl) ether	BQL	10.3	ug/L	U	1
bis(2-ethylhexyl) phthalate	BQL	10.3	ug/L	U	1
di-n-Butyl Phthalate	BQL	10.3	ug/L	U	1
di-n-Octyl Phthalate	BQL	10.3	ug/L	U	1
n-Nitrosodi-n-Propylamine	BQL	10.3	ug/L	U	1
n-Nitrosodiphenylamine	BQL	10.3	ug/L	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB2016
GPL ID: 9122-017-09-1/1
Matrix: Water
Date Collected: Sep-18-2000
Date Received: Sep-20-2000

Prep Method: SW3520C
Prep Date: Sep-22-2000
Prep Time: 17:15
Prep Chemist: Veena Telhan

Analytical Method: SW8270CTCL
Date Analyzed: Oct-03-2000
Time Analyzed 21:07
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	10.3	ug/L	U	1
1,2-Dichlorobenzene	BQL	10.3	ug/L	U	1
1,3-Dichlorobenzene	BQL	10.3	ug/L	U	1
1,4-Dichlorobenzene	BQL	10.3	ug/L	U	1
2,2-Oxybis(1-Chloro)Propane	BQL	10.3	ug/L	U	1
2,4,5-Trichlorophenol	BQL	10.3	ug/L	U	1
2,4,6-Trichlorophenol	BQL	10.3	ug/L	U	1
2,4-Dichlorophenol	BQL	10.3	ug/L	U	1
2,4-Dimethylphenol	BQL	10.3	ug/L	U	1
2,4-Dinitrophenol	BQL	20.6	ug/L	U	1
2,4-Dinitrotoluene	BQL	10.3	ug/L	U	1
2,6-Dinitrotoluene	BQL	10.3	ug/L	U	1
2-Chloronaphthalene	BQL	10.3	ug/L	U	1
2-Chlorophenol	BQL	10.3	ug/L	U	1
2-Methylnaphthalene	BQL	10.3	ug/L	U	1
2-Nitroaniline	BQL	10.3	ug/L	U	1
2-Nitrophenol	BQL	10.3	ug/L	U	1
2-methylphenol	BQL	10.3	ug/L	U	1
3,3-Dichlorobenzidine	BQL	20.6	ug/L	U	1
3-Nitroaniline	BQL	10.3	ug/L	U	1
4,6-dinitro-2-methyl phenol	BQL	20.6	ug/L	U	1
4-Bromophenyl-phenylether	BQL	10.3	ug/L	U	1
4-Chloroaniline	BQL	10.3	ug/L	U	1
4-Chlorophenyl Phenyl Ether	BQL	10.3	ug/L	U	1
4-Nitroaniline	BQL	10.3	ug/L	U	1
4-Nitrophenol	BQL	20.6	ug/L	U	1
4-chloro-3-methylphenol	BQL	10.3	ug/L	U	1
4-methylphenol	BQL	10.3	ug/L	U	1
Acenaphthene	BQL	10.3	ug/L	U	1
Acenaphthylene	BQL	10.3	ug/L	U	1
Anthracene	BQL	10.3	ug/L	U	1
Benzo(a)anthracene	BQL	10.3	ug/L	U	1
Benzo(a)pyrene	BQL	10.3	ug/L	U	1
Benzo(b)fluoranthene	BQL	10.3	ug/L	U	1
Benzo(g,h,i)perylene	BQL	10.3	ug/L	U	1
Benzo(k)fluoranthene	BQL	10.3	ug/L	U	1
Benzyl Butyl Phthalate	BQL	10.3	ug/L	U	1
Carbazole	BQL	10.3	ug/L	U	1
Chrysene	BQL	10.3	ug/L	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB2016
GPL ID: 9122-017-09-1/1
Matrix: Water
Date Collected: Sep-18-2000
Date Received: Sep-20-2000

Prep Method: SW3520C
Prep Date: Sep-22-2000
Prep Time: 17:15
Prep Chemist: Veena Telhan

Analytical Method: SW8270CTCL
Date Analyzed: Oct-03-2000
Time Analyzed 21:07
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	10.3	ug/L	U	1
Dibenzofuran	BQL	10.3	ug/L	U	1
Diethyl Phthalate	BQL	10.3	ug/L	U	1
Dimethyl Phthalate	BQL	10.3	ug/L	U	1
Fluoranthene	BQL	10.3	ug/L	U	1
Fluorene	BQL	10.3	ug/L	U	1
Hexachlorobenzene	BQL	10.3	ug/L	U	1
Hexachlorobutadiene	BQL	10.3	ug/L	U	1
Hexachlorocyclopentadiene	BQL	10.3	ug/L	U	1
Hexachloroethane	BQL	10.3	ug/L	U	1
Indeno(1,2,3-c,d)Pyrene	BQL	10.3	ug/L	U	1
Isophorone	BQL	10.3	ug/L	U	1
Naphthalene	BQL	10.3	ug/L	U	1
Nitrobenzene	BQL	10.3	ug/L	U	1
Pentachlorophenol	BQL	20.6	ug/L	U	1
Phenanthrene	BQL	10.3	ug/L	U	1
Phenol	BQL	10.3	ug/L	U	1
Pyrene	BQL	10.3	ug/L	U	1
bis(2-chloroethoxy) methane	BQL	10.3	ug/L	U	1
bis(2-chloroethyl) ether	BQL	10.3	ug/L	U	1
bis(2-ethylhexyl) phthalate	BQL	10.3	ug/L	U	1
di-n-Butyl Phthalate	BQL	10.3	ug/L	U	1
di-n-Octyl Phthalate	BQL	10.3	ug/L	U	1
n-Nitrosodi-n-Propylamine	BQL	10.3	ug/L	U	1
n-Nitrosodiphenylamine	BQL	10.3	ug/L	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB1001
GPL ID: 9122-002-04-1/1
Matrix: Soil
Date Collected: Sep-18-2000
Date Received: Sep-20-2000

Prep Method: SW3550
Prep Date: Sep-22-2000
Prep Time: 12:51
Prep Chemist: Saeid Soleimani

Analytical Method: SW8270CTCL
Date Analyzed: Oct-03-2000
Time Analyzed 23:09
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	446	ug/kg	U	1
1,2-Dichlorobenzene	BQL	446	ug/kg	U	1
1,3-Dichlorobenzene	BQL	446	ug/kg	U	1
1,4-Dichlorobenzene	BQL	446	ug/kg	U	1
2,2-Oxybis(1-Chloro)Propane	BQL	446	ug/kg	U	1
2,4,5-Trichlorophenol	BQL	446	ug/kg	U	1
2,4,6-Trichlorophenol	BQL	446	ug/kg	U	1
2,4-Dichlorophenol	BQL	446	ug/kg	U	1
2,4-Dimethylphenol	BQL	446	ug/kg	U	1
2,4-Dinitrophenol	BQL	891	ug/kg	U	1
2,4-Dinitrotoluene	BQL	446	ug/kg	U	1
2,6-Dinitrotoluene	BQL	446	ug/kg	U	1
2-Chloronaphthalene	BQL	446	ug/kg	U	1
2-Chlorophenol	BQL	446	ug/kg	U	1
2-Methylnaphthalene	BQL	446	ug/kg	U	1
2-Nitroaniline	BQL	446	ug/kg	U	1
2-Nitrophenol	BQL	446	ug/kg	U	1
2-methylphenol	BQL	446	ug/kg	U	1
3,3-Dichlorobenzidine	BQL	891	ug/kg	U	1
3-Nitroaniline	BQL	446	ug/kg	U	1
4,6-dinitro-2-methyl phenol	BQL	891	ug/kg	U	1
4-Bromophenyl-phenylether	BQL	446	ug/kg	U	1
4-Chloroaniline	BQL	446	ug/kg	U	1
4-Chlorophenyl Phenyl Ether	BQL	446	ug/kg	U	1
4-Nitroaniline	BQL	446	ug/kg	U	1
4-Nitrophenol	BQL	891	ug/kg	U	1
4-chloro-3-methylphenol	BQL	446	ug/kg	U	1
4-methylphenol	BQL	446	ug/kg	U	1
Acenaphthene	BQL	446	ug/kg	U	1
Acenaphthylene	BQL	446	ug/kg	U	1
Anthracene	BQL	446	ug/kg	U	1
Benzo(a)anthracene	BQL	446	ug/kg	U	1
Benzo(a)pyrene	BQL	446	ug/kg	U	1
Benzo(b)fluoranthene	BQL	446	ug/kg	U	1
Benzo(g,h,i)perylene	BQL	446	ug/kg	U	1
Benzo(k)fluoranthene	BQL	446	ug/kg	U	1
Benzyl Butyl Phthalate	BQL	446	ug/kg	U	1
Carbazole	BQL	446	ug/kg	U	1
Chrysene	BQL	446	ug/kg	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB1001
GPL ID: 9122-002-04-1/1
Matrix: Soil
Date Collected: Sep-18-2000
Date Received: Sep-20-2000

Prep Method: SW3550
Prep Date: Sep-22-2000
Prep Time: 12:51
Prep Chemist: Saeid Soleimani

Analytical Method: SW8270CTCL
Date Analyzed: Oct-03-2000
Time Analyzed 23:09
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	446	ug/kg	U	1
Dibenzofuran	BQL	446	ug/kg	U	1
Diethyl Phthalate	BQL	446	ug/kg	U	1
Dimethyl Phthalate	BQL	446	ug/kg	U	1
Fluoranthene	BQL	446	ug/kg	U	1
Fluorene	BQL	446	ug/kg	U	1
Hexachlorobenzene	BQL	446	ug/kg	U	1
Hexachlorobutadiene	BQL	446	ug/kg	U	1
Hexachlorocyclopentadiene	BQL	446	ug/kg	U	1
Hexachloroethane	BQL	446	ug/kg	U	1
Indeno(1,2,3-c,d)Pyrene	BQL	446	ug/kg	U	1
Isophorone	BQL	446	ug/kg	U	1
Naphthalene	BQL	446	ug/kg	U	1
Nitrobenzene	BQL	446	ug/kg	U	1
Pentachlorophenol	BQL	891	ug/kg	U	1
Phenanthrene	BQL	446	ug/kg	U	1
Phenol	BQL	446	ug/kg	U	1
Pyrene	BQL	446	ug/kg	U	1
bis(2-chloroethoxy) methane	BQL	446	ug/kg	U	1
bis(2-chloroethyl) ether	BQL	446	ug/kg	U	1
bis(2-ethylhexyl) phthalate	BQL	446	ug/kg	U	1
di-n-Butyl Phthalate	67.7	446	ug/kg	J	1
di-n-Octyl Phthalate	BQL	446	ug/kg	U	1
n-Nitrosodi-n-Propylamine	BQL	446	ug/kg	U	1
n-Nitrosodiphenylamine	BQL	446	ug/kg	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB1002
GPL ID: 9122-005-04-1/1
Matrix: Soil
Date Collected: Sep-18-2000
Date Received: Sep-20-2000

Prep Method: SW3550
Prep Date: Sep-22-2000
Prep Time: 12:51
Prep Chemist: Saeid Soleimani

Analytical Method: SW8270CTCL
Date Analyzed: Oct-04-2000
Time Analyzed 01:12
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	568	ug/kg	U	1
1,2-Dichlorobenzene	BQL	568	ug/kg	U	1
1,3-Dichlorobenzene	BQL	568	ug/kg	U	1
1,4-Dichlorobenzene	BQL	568	ug/kg	U	1
2,2-Oxybis(1-Chloro)Propane	BQL	568	ug/kg	U	1
2,4,5-Trichlorophenol	BQL	568	ug/kg	U	1
2,4,6-Trichlorophenol	BQL	568	ug/kg	U	1
2,4-Dichlorophenol	BQL	568	ug/kg	U	1
2,4-Dimethylphenol	BQL	568	ug/kg	U	1
2,4-Dinitrophenol	BQL	1140	ug/kg	U	1
2,4-Dinitrotoluene	BQL	568	ug/kg	U	1
2,6-Dinitrotoluene	BQL	568	ug/kg	U	1
2-Chloronaphthalene	BQL	568	ug/kg	U	1
2-Chlorophenol	BQL	568	ug/kg	U	1
2-Methylnaphthalene	BQL	568	ug/kg	U	1
2-Nitroaniline	BQL	568	ug/kg	U	1
2-Nitrophenol	BQL	568	ug/kg	U	1
2-methylphenol	BQL	568	ug/kg	U	1
3,3-Dichlorobenzidine	BQL	1140	ug/kg	U	1
3-Nitroaniline	BQL	568	ug/kg	U	1
4,6-dinitro-2-methyl phenol	BQL	1140	ug/kg	U	1
4-Bromophenyl-phenylether	BQL	568	ug/kg	U	1
4-Chloroaniline	BQL	568	ug/kg	U	1
4-Chlorophenyl Phenyl Ether	BQL	568	ug/kg	U	1
4-Nitroaniline	BQL	568	ug/kg	U	1
4-Nitrophenol	BQL	1140	ug/kg	U	1
4-chloro-3-methylphenol	BQL	568	ug/kg	U	1
4-methylphenol	BQL	568	ug/kg	U	1
Acenaphthene	BQL	568	ug/kg	U	1
Acenaphthylene	BQL	568	ug/kg	U	1
Anthracene	BQL	568	ug/kg	U	1
Benzo(a)anthracene	69.3	568	ug/kg	J	1
Benzo(a)pyrene	60.2	568	ug/kg	J	1
Benzo(b)fluoranthene	BQL	568	ug/kg	U	1
Benzo(g,h,i)perylene	BQL	568	ug/kg	U	1
Benzo(k)fluoranthene	BQL	568	ug/kg	U	1
Benzyl Butyl Phthalate	BQL	568	ug/kg	U	1
Carbazole	BQL	568	ug/kg	U	1
Chrysene	BQL	568	ug/kg	U	1

Summary of Analytical Results

Client ID AB1002
GPL ID: 9122-005-04-1/1
Matrix: Soil
Date Collected: Sep-18-2000
Date Received: Sep-20-2000

Prep Method: SW3550
Prep Date: Sep-22-2000
Prep Time: 12:51
Prep Chemist: Saeid Soleimani

Analytical Method: SW8270CTCL
Date Analyzed: Oct-04-2000
Time Analyzed 01:12
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	568	ug/kg	U	1
Dibenzofuran	BQL	568	ug/kg	U	1
Diethyl Phthalate	BQL	568	ug/kg	U	1
Dimethyl Phthalate	BQL	568	ug/kg	U	1
Fluoranthene	147	568	ug/kg	J	1
Fluorene	BQL	568	ug/kg	U	1
Hexachlorobenzene	BQL	568	ug/kg	U	1
Hexachlorobutadiene	BQL	568	ug/kg	U	1
Hexachlorocyclopentadiene	BQL	568	ug/kg	U	1
Hexachloroethane	BQL	568	ug/kg	U	1
Indeno(1,2,3-c,d)Pyrene	BQL	568	ug/kg	U	1
Isophorone	BQL	568	ug/kg	U	1
Naphthalene	BQL	568	ug/kg	U	1
Nitrobenzene	BQL	568	ug/kg	U	1
Pentachlorophenol	BQL	1140	ug/kg	U	1
Phenanthrene	BQL	568	ug/kg	U	1
Phenol	BQL	568	ug/kg	U	1
Pyrene	BQL	568	ug/kg	U	1
bis(2-chloroethoxy) methane	BQL	568	ug/kg	U	1
bis(2-chloroethyl) ether	BQL	568	ug/kg	U	1
bis(2-ethylhexyl) phthalate	BQL	568	ug/kg	U	1
di-n-Butyl Phthalate	BQL	568	ug/kg	U	1
di-n-Octyl Phthalate	BQL	568	ug/kg	U	1
n-Nitrosodi-n-Propylamine	BQL	568	ug/kg	U	1
n-Nitrosodiphenylamine	BQL	568	ug/kg	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB1003
GPL ID: 9122-006-04-1/1
Matrix: Soil
Date Collected: Sep-18-2000
Date Received: Sep-20-2000

Prep Method: SW3550
Prep Date: Sep-22-2000
Prep Time: 12:51
Prep Chemist: Saeid Soleimani

Analytical Method: SW8270CTCL
Date Analyzed: Oct-04-2000
Time Analyzed 01:52
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	460	ug/kg	U	1
1,2-Dichlorobenzene	BQL	460	ug/kg	U	1
1,3-Dichlorobenzene	BQL	460	ug/kg	U	1
1,4-Dichlorobenzene	BQL	460	ug/kg	U	1
2,2-Oxybis(1-Chloro)Propane	BQL	460	ug/kg	U	1
2,4,5-Trichlorophenol	BQL	460	ug/kg	U	1
2,4,6-Trichlorophenol	BQL	460	ug/kg	U	1
2,4-Dichlorophenol	BQL	460	ug/kg	U	1
2,4-Dimethylphenol	BQL	460	ug/kg	U	1
2,4-Dinitrophenol	BQL	920	ug/kg	U	1
2,4-Dinitrotoluene	BQL	460	ug/kg	U	1
2,6-Dinitrotoluene	BQL	460	ug/kg	U	1
2-Chloronaphthalene	BQL	460	ug/kg	U	1
2-Chlorophenol	BQL	460	ug/kg	U	1
2-Methylnaphthalene	BQL	460	ug/kg	U	1
2-Nitroaniline	BQL	460	ug/kg	U	1
2-Nitrophenol	BQL	460	ug/kg	U	1
2-methylphenol	BQL	460	ug/kg	U	1
3,3-Dichlorobenzidine	BQL	920	ug/kg	U	1
3-Nitroaniline	BQL	460	ug/kg	U	1
4,6-dinitro-2-methyl phenol	BQL	920	ug/kg	U	1
4-Bromophenyl-phenylether	BQL	460	ug/kg	U	1
4-Chloroaniline	BQL	460	ug/kg	U	1
4-Chlorophenyl Phenyl Ether	BQL	460	ug/kg	U	1
4-Nitroaniline	BQL	460	ug/kg	U	1
4-Nitrophenol	BQL	920	ug/kg	U	1
4-chloro-3-methylphenol	BQL	460	ug/kg	U	1
4-methylphenol	BQL	460	ug/kg	U	1
Acenaphthene	BQL	460	ug/kg	U	1
Acenaphthylene	BQL	460	ug/kg	U	1
Anthracene	BQL	460	ug/kg	U	1
Benzo(a)anthracene	BQL	460	ug/kg	U	1
Benzo(a)pyrene	BQL	460	ug/kg	U	1
Benzo(b)fluoranthene	BQL	460	ug/kg	U	1
Benzo(g,h,i)perylene	BQL	460	ug/kg	U	1
Benzo(k)fluoranthene	BQL	460	ug/kg	U	1
Benzyl Butyl Phthalate	BQL	460	ug/kg	U	1
Carbazole	BQL	460	ug/kg	U	1
Chrysene	BQL	460	ug/kg	U	1

Summary of Analytical Results

Client ID AB1003
GPL ID: 9122-006-04-1/1
Matrix: Soil
Date Collected: Sep-18-2000
Date Received: Sep-20-2000

Prep Method: SW3550
Prep Date: Sep-22-2000
Prep Time: 12:51
Prep Chemist: Saeid Soleimani

Analytical Method: SW8270CTCL
Date Analyzed: Oct-04-2000
Time Analyzed 01:52
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	460	ug/kg	U	1
Dibenzofuran	BQL	460	ug/kg	U	1
Diethyl Phthalate	BQL	460	ug/kg	U	1
Dimethyl Phthalate	BQL	460	ug/kg	U	1
Fluoranthene	BQL	460	ug/kg	U	1
Fluorene	BQL	460	ug/kg	U	1
Hexachlorobenzene	BQL	460	ug/kg	U	1
Hexachlorobutadiene	BQL	460	ug/kg	U	1
Hexachlorocyclopentadiene	BQL	460	ug/kg	U	1
Hexachloroethane	BQL	460	ug/kg	U	1
Indeno(1,2,3-c,d)Pyrene	BQL	460	ug/kg	U	1
Isophorone	BQL	460	ug/kg	U	1
Naphthalene	BQL	460	ug/kg	U	1
Nitrobenzene	BQL	460	ug/kg	U	1
Pentachlorophenol	BQL	920	ug/kg	U	1
Phenanthrene	BQL	460	ug/kg	U	1
Phenol	BQL	460	ug/kg	U	1
Pyrene	BQL	460	ug/kg	U	1
bis(2-chloroethoxy) methane	BQL	460	ug/kg	U	1
bis(2-chloroethyl) ether	BQL	460	ug/kg	U	1
bis(2-ethylhexyl) phthalate	BQL	460	ug/kg	U	1
di-n-Butyl Phthalate	BQL	460	ug/kg	U	1
di-n-Octyl Phthalate	BQL	460	ug/kg	U	1
n-Nitrosodi-n-Propylamine	BQL	460	ug/kg	U	1
n-Nitrosodiphenylamine	BQL	460	ug/kg	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB1004
GPL ID: 9122-007-04-1/1
Matrix: Soil
Date Collected: Sep-18-2000
Date Received: Sep-20-2000

Prep Method: SW3550
Prep Date: Sep-22-2000
Prep Time: 12:51
Prep Chemist: Saeid Soleimani

Analytical Method: SW8270CTCL
Date Analyzed: Oct-04-2000
Time Analyzed 02:33
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	548	ug/kg	U	1
1,2-Dichlorobenzene	BQL	548	ug/kg	U	1
1,3-Dichlorobenzene	BQL	548	ug/kg	U	1
1,4-Dichlorobenzene	BQL	548	ug/kg	U	1
2,2-Oxybis(1-Chloro)Propane	BQL	548	ug/kg	U	1
2,4,5-Trichlorophenol	BQL	548	ug/kg	U	1
2,4,6-Trichlorophenol	BQL	548	ug/kg	U	1
2,4-Dichlorophenol	BQL	548	ug/kg	U	1
2,4-Dimethylphenol	BQL	548	ug/kg	U	1
2,4-Dinitrophenol	BQL	1100	ug/kg	U	1
2,4-Dinitrotoluene	BQL	548	ug/kg	U	1
2,6-Dinitrotoluene	BQL	548	ug/kg	U	1
2-Chloronaphthalene	BQL	548	ug/kg	U	1
2-Chlorophenol	BQL	548	ug/kg	U	1
2-Methylnaphthalene	BQL	548	ug/kg	U	1
2-Nitroaniline	BQL	548	ug/kg	U	1
2-Nitrophenol	BQL	548	ug/kg	U	1
2-methylphenol	BQL	548	ug/kg	U	1
3,3-Dichlorobenzidine	BQL	1100	ug/kg	U	1
3-Nitroaniline	BQL	548	ug/kg	U	1
4,6-dinitro-2-methyl phenol	BQL	1100	ug/kg	U	1
4-Bromophenyl-phenylether	BQL	548	ug/kg	U	1
4-Chloroaniline	BQL	548	ug/kg	U	1
4-Chlorophenyl Phenyl Ether	BQL	548	ug/kg	U	1
4-Nitroaniline	BQL	548	ug/kg	U	1
4-Nitrophenol	BQL	1100	ug/kg	U	1
4-chloro-3-methylphenol	BQL	548	ug/kg	U	1
4-methylphenol	BQL	548	ug/kg	U	1
Acenaphthene	BQL	548	ug/kg	U	1
Acenaphthylene	BQL	548	ug/kg	U	1
Anthracene	BQL	548	ug/kg	U	1
Benzo(a)anthracene	BQL	548	ug/kg	U	1
Benzo(a)pyrene	BQL	548	ug/kg	U	1
Benzo(b)fluoranthene	BQL	548	ug/kg	U	1
Benzo(g,h,i)perylene	BQL	548	ug/kg	U	1
Benzo(k)fluoranthene	BQL	548	ug/kg	U	1
Benzyl Butyl Phthalate	BQL	548	ug/kg	U	1
Carbazole	BQL	548	ug/kg	U	1
Chrysene	BQL	548	ug/kg	U	1

Summary of Analytical Results

Client ID AB1004
GPL ID: 9122-007-04-1/1
Matrix: Soil
Date Collected: Sep-18-2000
Date Received: Sep-20-2000

Prep Method: SW3550
Prep Date: Sep-22-2000
Prep Time: 12:51
Prep Chemist: Saeid Soleimani

Analytical Method: SW8270CTCL
Date Analyzed: Oct-04-2000
Time Analyzed 02:33
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	548	ug/kg	U	1
Dibenzofuran	BQL	548	ug/kg	U	1
Diethyl Phthalate	BQL	548	ug/kg	U	1
Dimethyl Phthalate	BQL	548	ug/kg	U	1
Fluoranthene	BQL	548	ug/kg	U	1
Fluorene	BQL	548	ug/kg	U	1
Hexachlorobenzene	BQL	548	ug/kg	U	1
Hexachlorobutadiene	BQL	548	ug/kg	U	1
Hexachlorocyclopentadiene	BQL	548	ug/kg	U	1
Hexachloroethane	BQL	548	ug/kg	U	1
Indeno(1,2,3-c,d)Pyrene	BQL	548	ug/kg	U	1
Isophorone	BQL	548	ug/kg	U	1
Naphthalene	BQL	548	ug/kg	U	1
Nitrobenzene	BQL	548	ug/kg	U	1
Pentachlorophenol	BQL	1100	ug/kg	U	1
Phenanthrene	BQL	548	ug/kg	U	1
Phenol	BQL	548	ug/kg	U	1
Pyrene	BQL	548	ug/kg	U	1
bis(2-chloroethoxy) methane	BQL	548	ug/kg	U	1
bis(2-chloroethyl) ether	BQL	548	ug/kg	U	1
bis(2-ethylhexyl) phthalate	BQL	548	ug/kg	U	1
di-n-Butyl Phthalate	BQL	548	ug/kg	U	1
di-n-Octyl Phthalate	BQL	548	ug/kg	U	1
n-Nitrosodi-n-Propylamine	BQL	548	ug/kg	U	1
n-Nitrosodiphenylamine	BQL	548	ug/kg	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB1006
GPL ID: 9122-008-04-1/1
Matrix: Soil
Date Collected: Sep-18-2000
Date Received: Sep-20-2000

Prep Method: SW3550
Prep Date: Sep-22-2000
Prep Time: 12:51
Prep Chemist: Saeid Soleimani

Analytical Method: SW8270CTCL
Date Analyzed: Oct-04-2000
Time Analyzed 03:14
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	469	ug/kg	U	1
1,2-Dichlorobenzene	BQL	469	ug/kg	U	1
1,3-Dichlorobenzene	BQL	469	ug/kg	U	1
1,4-Dichlorobenzene	BQL	469	ug/kg	U	1
2,2-Oxybis(1-Chloro)Propane	BQL	469	ug/kg	U	1
2,4,5-Trichlorophenol	BQL	469	ug/kg	U	1
2,4,6-Trichlorophenol	BQL	469	ug/kg	U	1
2,4-Dichlorophenol	BQL	469	ug/kg	U	1
2,4-Dimethylphenol	BQL	469	ug/kg	U	1
2,4-Dinitrophenol	BQL	938	ug/kg	U	1
2,4-Dinitrotoluene	BQL	469	ug/kg	U	1
2,6-Dinitrotoluene	BQL	469	ug/kg	U	1
2-Chloronaphthalene	BQL	469	ug/kg	U	1
2-Chlorophenol	BQL	469	ug/kg	U	1
2-Methylnaphthalene	BQL	469	ug/kg	U	1
2-Nitroaniline	BQL	469	ug/kg	U	1
2-Nitrophenol	BQL	469	ug/kg	U	1
2-methylphenol	BQL	469	ug/kg	U	1
3,3-Dichlorobenzidine	BQL	938	ug/kg	U	1
3-Nitroaniline	BQL	469	ug/kg	U	1
4,6-dinitro-2-methyl phenol	BQL	938	ug/kg	U	1
4-Bromophenyl-phenylether	BQL	469	ug/kg	U	1
4-Chloroaniline	BQL	469	ug/kg	U	1
4-Chlorophenyl Phenyl Ether	BQL	469	ug/kg	U	1
4-Nitroaniline	BQL	469	ug/kg	U	1
4-Nitrophenol	BQL	938	ug/kg	U	1
4-chloro-3-methylphenol	BQL	469	ug/kg	U	1
4-methylphenol	BQL	469	ug/kg	U	1
Acenaphthene	BQL	469	ug/kg	U	1
Acenaphthylene	BQL	469	ug/kg	U	1
Anthracene	BQL	469	ug/kg	U	1
Benzo(a)anthracene	BQL	469	ug/kg	U	1
Benzo(a)pyrene	BQL	469	ug/kg	U	1
Benzo(b)fluoranthene	BQL	469	ug/kg	U	1
Benzo(g,h,i)perylene	BQL	469	ug/kg	U	1
Benzo(k)fluoranthene	BQL	469	ug/kg	U	1
Benzyl Butyl Phthalate	BQL	469	ug/kg	U	1
Carbazole	BQL	469	ug/kg	U	1
Chrysene	BQL	469	ug/kg	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB1006
GPL ID: 9122-008-04-1/1
Matrix: Soil
Date Collected: Sep-18-2000
Date Received: Sep-20-2000

Prep Method: SW3550
Prep Date: Sep-22-2000
Prep Time: 12:51
Prep Chemist: Saeid Soleimani

Analytical Method: SW8270CTCL
Date Analyzed: Oct-04-2000
Time Analyzed 03:14
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	469	ug/kg	U	1
Dibenzofuran	BQL	469	ug/kg	U	1
Diethyl Phthalate	BQL	469	ug/kg	U	1
Dimethyl Phthalate	BQL	469	ug/kg	U	1
Fluoranthene	BQL	469	ug/kg	U	1
Fluorene	BQL	469	ug/kg	U	1
Hexachlorobenzene	BQL	469	ug/kg	U	1
Hexachlorobutadiene	BQL	469	ug/kg	U	1
Hexachlorocyclopentadiene	BQL	469	ug/kg	U	1
Hexachloroethane	BQL	469	ug/kg	U	1
Indeno(1,2,3-c,d)Pyrene	BQL	469	ug/kg	U	1
Isophorone	BQL	469	ug/kg	U	1
Naphthalene	BQL	469	ug/kg	U	1
Nitrobenzene	BQL	469	ug/kg	U	1
Pentachlorophenol	BQL	938	ug/kg	U	1
Phenanthrene	BQL	469	ug/kg	U	1
Phenol	BQL	469	ug/kg	U	1
Pyrene	BQL	469	ug/kg	U	1
bis(2-chloroethoxy) methane	BQL	469	ug/kg	U	1
bis(2-chloroethyl) ether	BQL	469	ug/kg	U	1
bis(2-ethylhexyl) phthalate	55.3	469	ug/kg	J	1
di-n-Butyl Phthalate	BQL	469	ug/kg	U	1
di-n-Octyl Phthalate	BQL	469	ug/kg	U	1
n-Nitrosodi-n-Propylamine	BQL	469	ug/kg	U	1
n-Nitrosodiphenylamine	BQL	469	ug/kg	U	1

Summary of Analytical Results

Client ID AB1016
GPL ID: 9122-009-04-1/1
Matrix: Soil
Date Collected: Sep-18-2000
Date Received: Sep-20-2000

Prep Method: SW3550
Prep Date: Sep-22-2000
Prep Time: 12:51
Prep Chemist: Saeid Soleimani

Analytical Method: SW8270CTCL
Date Analyzed: Oct-04-2000
Time Analyzed 03:54
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	491	ug/kg	U	1
1,2-Dichlorobenzene	BQL	491	ug/kg	U	1
1,3-Dichlorobenzene	BQL	491	ug/kg	U	1
1,4-Dichlorobenzene	BQL	491	ug/kg	U	1
2,2-Oxybis(1-Chloro)Propane	BQL	491	ug/kg	U	1
2,4,5-Trichlorophenol	BQL	491	ug/kg	U	1
2,4,6-Trichlorophenol	BQL	491	ug/kg	U	1
2,4-Dichlorophenol	BQL	491	ug/kg	U	1
2,4-Dimethylphenol	BQL	491	ug/kg	U	1
2,4-Dinitrophenol	BQL	982	ug/kg	U	1
2,4-Dinitrotoluene	BQL	491	ug/kg	U	1
2,6-Dinitrotoluene	BQL	491	ug/kg	U	1
2-Chloronaphthalene	BQL	491	ug/kg	U	1
2-Chlorophenol	BQL	491	ug/kg	U	1
2-Methylnaphthalene	BQL	491	ug/kg	U	1
2-Nitroaniline	BQL	491	ug/kg	U	1
2-Nitrophenol	BQL	491	ug/kg	U	1
2-methylphenol	BQL	491	ug/kg	U	1
3,3-Dichlorobenzidine	BQL	982	ug/kg	U	1
3-Nitroaniline	BQL	491	ug/kg	U	1
4,6-dinitro-2-methyl phenol	BQL	982	ug/kg	U	1
4-Bromophenyl-phenylether	BQL	491	ug/kg	U	1
4-Chloroaniline	BQL	491	ug/kg	U	1
4-Chlorophenyl Phenyl Ether	BQL	491	ug/kg	U	1
4-Nitroaniline	BQL	491	ug/kg	U	1
4-Nitrophenol	BQL	982	ug/kg	U	1
4-chloro-3-methylphenol	BQL	491	ug/kg	U	1
4-methylphenol	BQL	491	ug/kg	U	1
Acenaphthene	BQL	491	ug/kg	U	1
Acenaphthylene	BQL	491	ug/kg	U	1
Anthracene	BQL	491	ug/kg	U	1
Benzo(a)anthracene	BQL	491	ug/kg	U	1
Benzo(a)pyrene	BQL	491	ug/kg	U	1
Benzo(b)fluoranthene	BQL	491	ug/kg	U	1
Benzo(g,h,i)perylene	BQL	491	ug/kg	U	1
Benzo(k)fluoranthene	BQL	491	ug/kg	U	1
Benzyl Butyl Phthalate	BQL	491	ug/kg	U	1
Carbazole	BQL	491	ug/kg	U	1
Chrysene	BQL	491	ug/kg	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB1016
GPL ID: 9122-009-04-1/1
Matrix: Soil
Date Collected: Sep-18-2000
Date Received: Sep-20-2000

Prep Method: SW3550
Prep Date: Sep-22-2000
Prep Time: 12:51
Prep Chemist: Saeid Soleimani

Analytical Method: SW8270CTCL
Date Analyzed: Oct-04-2000
Time Analyzed 03:54
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	491	ug/kg	U	1
Dibenzofuran	BQL	491	ug/kg	U	1
Diethyl Phthalate	BQL	491	ug/kg	U	1
Dimethyl Phthalate	BQL	491	ug/kg	U	1
Fluoranthene	BQL	491	ug/kg	U	1
Fluorene	BQL	491	ug/kg	U	1
Hexachlorobenzene	BQL	491	ug/kg	U	1
Hexachlorobutadiene	BQL	491	ug/kg	U	1
Hexachlorocyclopentadiene	BQL	491	ug/kg	U	1
Hexachloroethane	BQL	491	ug/kg	U	1
Indeno(1,2,3-c,d)Pyrene	BQL	491	ug/kg	U	1
Isophorone	BQL	491	ug/kg	U	1
Naphthalene	BQL	491	ug/kg	U	1
Nitrobenzene	BQL	491	ug/kg	U	1
Pentachlorophenol	BQL	982	ug/kg	U	1
Phenanthrene	BQL	491	ug/kg	U	1
Phenol	BQL	491	ug/kg	U	1
Pyrene	BQL	491	ug/kg	U	1
bis(2-chloroethoxy) methane	BQL	491	ug/kg	U	1
bis(2-chloroethyl) ether	BQL	491	ug/kg	U	1
bis(2-ethylhexyl) phthalate	BQL	491	ug/kg	U	1
di-n-Butyl Phthalate	72.7	491	ug/kg	J	1
di-n-Octyl Phthalate	BQL	491	ug/kg	U	1
n-Nitrosodi-n-Propylamine	BQL	491	ug/kg	U	1
n-Nitrosodiphenylamine	BQL	491	ug/kg	U	1

2C
WATER SEMIVOLATILE SURROGATE RECOVERY

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBROOK

Lab Code: GPL Case No.: N/A SAS No.: N/A SDG No.: N/A

	Client SAMPLE NO.	S1 (2FP) #	S2 (PHL) #	S3 (NBZ) #	S4 (FBP) #	S5 (TBP) #	S6 (TPH) #	TOT OUT
01	SBLKA	33	58	74	69	67	75	0
02	LCSA	44	63	73	53	72	73	0
03	AB2001	51	59	67	65	72	62	0
04	AB2001MS	59	68	77	69	75	65	0
05	AB2001MSD	13*	19*	70	63	19*	49	3
06	AB2002	46	56	65	57	64	57	0
07	AB2003	40	58	64	62	72	72	0
08	AB2004	44	57	65	66	70	68	0
09	AB2016	47	64	74	74	76	67	0
10	AB2006	43	62	72	70	79	62	0
11	SBLKC	42	65	86	73	82	71	0
12	LCSC	55	76	92	86	101	76	0
13	AB2001RE	3*	17*	89	75	3*	74	3
14	AB2001REMS	57	75	86	80	95	69	0
15	AB2001REMSD	48	68	87	81	92	69	0

MN
10.10.00

				QC LIMITS
S1	(2FP)	=	2-Fluorophenol	(20-150)
S2	(PHL)	=	Phenol-d5	(30-150)
S3	(NBZ)	=	Nitrobenzene-d5	(20-137)
S4	(FBP)	=	2-Fluorobiphenyl	(23-110)
S5	(TBP)	=	2,4,6 Tribromophenol	(20-150)
S6	(TPH)	=	Terphenyl-d14	(20-138)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogate diluted out

2003

2D
SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBROOK

Lab Code: GPL Case No.: N/A SAS No.: N/A SDG No.: N/A

Level: (low/med) LOW

	Client SAMPLE NO.	S1 (2FP) #	S2 (PHL) #	S3 (NBZ) #	S4 (FBP) #	S5 (TBP) #	S6 (TPH) #	TOT OUT
01	SBLKB	69	71	79	78	69	76	0
02	LCSB	69	72	77	76	80	74	0
03	AB1001	68	69	76	76	74	72	0
04	AB1001MS	62	65	69	72	76	72	0
05	AB1001MSD	55	57	59	61	65	61	0
06	AB1002	58	60	63	66	79	76	0
07	AB1003	69	72	79	80	78	77	0
08	AB1004	73	74	80	80	76	71	0
09	AB1006	68	70	75	76	74	77	0
10	AB1016	68	70	74	77	77	75	0

				QC LIMITS
S1	(2FP)	=	2-Fluorophenol	(52-150)
S2	(PHL)	=	Phenol-d5	(20-150)
S3	(NBZ)	=	Nitrobenzene-d5	(26-150)
S4	(FBP)	=	2-Fluorobiphenyl	(41-128)
S5	(TBP)	=	2,4,6 Tribromophenol	(20-150)
S6	(TPH)	=	Terphenyl-d14	(52-110)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogate diluted out

3C

WATER SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBROOK

Lab Code: GPL Case No.: N/A SAS No.: N/A SDG No.: N/A

Matrix Spike - EPA Sample No.: AB2001

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
Phenol	110	0.0	79	72	20 - 150
2-Chlorophenol	110	0.0	80	73	23 - 134
1,4-Dichlorobenzene	110	0.0	37	34	20 - 125
N-Nitroso-di-n-propylamine	110	0.0	85	77	20 - 150
1,2,4-Trichlorobenzene	110	0.0	40	36	23 - 114
4-Chloro-3-methylphenol	110	0.0	87	79	26 - 147
Acenaphthene	110	0.0	51	46	20 - 116
2,4-Dinitrotoluene	110	0.0	81	74	24 - 149
4-Nitrophenol	110	0.0	82	75	20 - 150
Pentachlorophenol	110	0.0	87	79	20 - 150
Pyrene	110	0.0	47	43	20 - 135

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Phenol	100	20	20	113*	42	20 - 150
2-Chlorophenol	100	18	18*	121*	40	23 - 134
1,4-Dichlorobenzene	100	25	25	31*	28	20 - 125
N-Nitroso-di-n-propylamine	100	71	71	8	38	20 - 150
1,2,4-Trichlorobenzene	100	28	28	25	28	23 - 114
4-Chloro-3-methylphenol	100	31	31	87*	42	26 - 147
Acenaphthene	100	40	40	14	31	20 - 116
2,4-Dinitrotoluene	100	60	60	21	38	24 - 149
4-Nitrophenol	100	13	13*	141*	50	20 - 150
Pentachlorophenol	100	14	14*	140*	50	20 - 150
Pyrene	100	43	43	0	31	20 - 135

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 6 out of 11 outside limits

Spike Recovery: 3 out of 22 outside limits

COMMENTS:

3C

WATER SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBROOK

Lab Code: GPL Case No.: N/A SAS No.: N/A SDG No.: N/A

Matrix Spike - EPA Sample No.: AB2001RE

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
Phenol	110	0.0	100	91	20 - 150
2-Chlorophenol	110	0.0	83	75	23 - 134
1,4-Dichlorobenzene	110	0.0	77	70	20 - 125
N-Nitroso-di-n-propylamine	110	0.0	100	91	20 - 150
1,2,4-Trichlorobenzene	110	0.0	74	67	23 - 114
4-Chloro-3-methylphenol	110	0.0	96	87	26 - 147
Acenaphthene	110	0.0	100	91	20 - 116
2,4-Dinitrotoluene	110	0.0	100	91	24 - 149
4-Nitrophenol	110	0.0	100	91	20 - 150
Pentachlorophenol	110	0.0	79	72	20 - 150
Pyrene	110	0.0	80	73	20 - 135

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Phenol	110	94	85	7	42	20 - 150
2-Chlorophenol	110	79	72	4	40	23 - 134
1,4-Dichlorobenzene	110	76	69	1	28	20 - 125
N-Nitroso-di-n-propylamine	110	97	88	3	38	20 - 150
1,2,4-Trichlorobenzene	110	78	71	6	28	23 - 114
4-Chloro-3-methylphenol	110	97	88	1	42	26 - 147
Acenaphthene	110	100	91	0	31	20 - 116
2,4-Dinitrotoluene	110	100	91	0	38	24 - 149
4-Nitrophenol	110	110	100	9	50	20 - 150
Pentachlorophenol	110	85	77	7	50	20 - 150
Pyrene	110	77	70	4	31	20 - 135

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 11 outside limits

Spike Recovery: 0 out of 22 outside limits

COMMENTS: _____

3D

SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBROOK

Lab Code: GPL Case No.: N/A SAS No.: N/A SDG No.: N/A

Matrix Spike - EPA Sample No.: AB1001 Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC LIMITS REC.
Phenol	4500	0.0	3400	76	75 - 150
2-Chlorophenol	4500	0.0	3300	73	31 - 129
1,4-Dichlorobenzene	4500	0.0	3100	69	25 - 122
N-Nitroso-di-n-propylamine	4500	0.0	3500	78	20 - 150
1,2,4-Trichlorobenzene	4500	0.0	3100	69	51 - 120
4-Chloro-3-methylphenol	4500	0.0	3500	78	34 - 125
Acenaphthene	4500	0.0	3200	71	46 - 135
2,4-Dinitrotoluene	4500	0.0	3900	87	38 - 137
4-Nitrophenol	4500	0.0	3100	69	20 - 150
Pentachlorophenol	4500	0.0	3500	78	32 - 137
Pyrene	4500	0.0	2700	62	24 - 144

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Phenol	4500	3000	67 *	13	35	75 - 150
2-Chlorophenol	4500	2900	64	13	50	31 - 129
1,4-Dichlorobenzene	4500	2700	60	14	27	25 - 122
N-Nitroso-di-n-propylamine	4500	2900	64	20	38	20 - 150
1,2,4-Trichlorobenzene	4500	2700	60	14	23	51 - 120
4-Chloro-3-methylphenol	4500	2900	64	20	33	34 - 125
Acenaphthene	4500	2700	60	17	19	46 - 135
2,4-Dinitrotoluene	4500	3300	73	18	47	38 - 137
4-Nitrophenol	4500	2400	53	26	50	20 - 150
Pentachlorophenol	4500	2800	62	23	47	32 - 137
Pyrene	4500	2400	53	12	36	24 - 144

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 11 outside limits

Spike Recovery: 1 out of 22 outside limits

COMMENTS: _____

3F
WATER LABORATORY CONTROL SPIKE RECOVERY

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBROOK

Lab Code: GPL Case No.: N/A SDG No.: N/A

EPA Sample No.: LCSA CLIENT ID: SBLK-6926MS

DATE EXTRACTED: 9/21/00 WORK ORDER NO: 00-09-122

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC		INTERNAL QC LIMITS
Phenol	100	69	69		30-100
2-Chlorophenol	100	70	70		67-105
1,4-Dichlorobenzene	100	42	42	*	43-101
N-Nitroso-Di-n-Propylamine	100	74	74		43-150
1,2,4-Trichlorobenzene	100	46	46	*	51-100
4-Chloro-3-methylphenol	100	80	80		61-125
Acenaphthene	100	63	63		35-125
2,4-Dinitrotoluene	100	83	83		66-123
4-Nitrophenol	100	77	77		20-150
Pentachlorophenol	100	82	82		43-150
Pyrene	100	61	61		56-116

COMMENTS:

3F

SOIL LABORATORY CONTROL SPIKE RECOVERY

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBROOK

Lab Code: GPL SDG No.: N/A

EPA Sample No.: LCSB CLIENT ID: SBLK-6886MS

DATE EXTRACTED: 9/22/00 WORK ORDER NO: 00-09-122

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	INTERNAL QC LIMITS
Phenol	3300	2800	85	47-111
2-Chlorophenol	3300	2700	82	52-124
1,4-Dichlorobenzene	3300	2500	76	52-112
N-Nitroso-Di-n-Propylamine	3300	2700	82	70-150
1,2,4-Trichlorobenzene	3300	2500	76	63-112
4-Chloro-3-methylphenol	3300	2800	85	63-125
Acenaphthene	3300	2500	76	45-104
2,4-Dinitrotoluene	3300	3000	91	56-133
4-Nitrophenol	3300	2400	73	44-150
Pentachlorophenol	3300	2600	79	27-142
Pyrene	3300	2200	67	56-106

*Values outside internal limits

COMMENTS:

3F
WATER LABORATORY CONTROL SPIKE RECOVERY

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBROOK

Lab Code: GPL Case No.: N/A SDG No.: N/A

EPA Sample No.: LCSC CLIENT ID: SBLK-7273MS

DATE EXTRACTED: 10/5/00 WORK ORDER NO: 00-09-122

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	INTERNAL QC LIMITS
Phenol	100	93	93	30-100
2-Chlorophenol	100	75	75	67-105
1,4-Dichlorobenzene	100	67	67	43-101
N-Nitroso-Di-n-Propylamine	100	95	95	43-150
1,2,4-Trichlorobenzene	100	67	67	51-100
4-Chloro-3-methylphenol	100	90	90	61-125
Acenaphthene	100	98	98	35-125
2,4-Dinitrotoluene	100	99	99	66-123
4-Nitrophenol	100	99	99	20-150
Pentachlorophenol	100	73	73	43-150
Pyrene	100	77	77	56-116

COMMENTS:

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLKA

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBRO

Lab Code: GPL Case No.: N/A SAS No.: N/A SDG No.: N/A

Lab File ID: P08961.D Lab Sample ID: 6926-1-BLK

Instrument ID: HP#P Date Extracted: 09/21/00

Matrix: (soil/water) WATER Date Analyzed: 10/02/00

Level: (low/med) LOW Time Analyzed: 15:31

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	Client SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	LCSA	6926-1-BKS	P08962.D	10/02/00
02	AB2001	9122-010-07-1/2	P08968.D	10/02/00
03	AB2001MS	9122-010-07-1/2S	P08969.D	10/02/00
04	AB2001MSD	9122-010-07-1/2SD	P08970.D	10/02/00
05	AB2002	9122-013-07-1/2	P08979.D	10/03/00
06	AB2003	9122-014-07-1/2	P08980.D	10/03/00
07	AB2004	9122-015-07-1/2	P08981.D	10/03/00
08	AB2016	9122-017-09-1/1	P08983.D	10/03/00
09	AB2006	9122-016-07-1/2	P09002.D	10/04/00

COMMENTS:

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLKB

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBRO

Lab Code: GPL Case No.: N/A SAS No.: N/A SDG No.: N/A

Lab File ID: P08984.D Lab Sample ID: SBLK-6886

Instrument ID: HP#P Date Extracted: 09/22/00

Matrix: (soil/water) SOIL Date Analyzed: 10/03/00

Level: (low/med) LOW Time Analyzed: 21:48

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	Client SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	LCSB	SBLK-6886MS	P08985.D	10/03/00
02	AB1001	9122-002-04-1/1	P08986.D	10/03/00
03	AB1001MS	9122-002-04-1/1S	P08987.D	10/03/00
04	AB1001MSD	9122-002-04-1/1SD	P08988.D	10/04/00
05	AB1002	9122-005-04-1/1	P08989.D	10/04/00
06	AB1003	9122-006-04-1/1	P08990.D	10/04/00
07	AB1004	9122-007-04-1/1	P08991.D	10/04/00
08	AB1006	9122-008-04-1/1	P08992.D	10/04/00
09	AB1016	9122-009-04-1/1	P08993.D	10/04/00

COMMENTS:

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLKC

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBRO

Lab Code: GPL Case No.: N/A SAS No.: N/A SDG No.: N/A

Lab File ID: P09113.D Lab Sample ID: SBLK-7273

Instrument ID: HP#P Date Extracted: 10/05/00

Matrix: (soil/water) WATER Date Analyzed: 10/09/00

Level: (low/med) LOW Time Analyzed: 16:34

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	Client SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	LCSC	SBLK-7273MS	P09114.D	10/09/00
02	AB2001RE	9122-010-07-1/2RE	P09115.D	10/09/00
03	AB2001REMS	9122-010-07-1/2RES	P09116.D	10/09/00
04	AB2001REMSD	9122-010-07-1/2RESD	P09117.D	10/09/00

COMMENTS:

Summary of Analytical Results

Client ID AB1001
GPL ID: 9122-002-03-1/1
Matrix: Soil
Date Collected: Sep-18-2000
Date Received: Sep-20-2000

Prep Method: EXT_SW8330
Prep Date: Sep-22-2000
Prep Time: 08:39
Prep Chemist: Rekha Patel

Analytical Method: SW8330
Date Analyzed: Oct-06-2000
Time Analyzed 00:23
Analyst: Mulugeta Wondwossen

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	BQL	95.2	ug/kg	U	1
1,3-Dinitrobenzene	BQL	95.2	ug/kg	U	1
2,4,6-Trinitrotoluene	BQL	95.2	ug/kg	U	1
2,4-Dinitrotoluene	BQL	95.2	ug/kg	U	1
2,6-Dinitrotoluene	BQL	95.2	ug/kg	U	1
2-Amino-4,6-Dinitrotoluene	BQL	95.2	ug/kg	U	1
4-Amino-2,6-Dinitrotoluene	BQL	95.2	ug/kg	U	1
HMX	BQL	190	ug/kg	U	1
Nitrobenzene	BQL	95.2	ug/kg	U	1
RDX	BQL	190	ug/kg	U	1
Tetryl	BQL	190	ug/kg	U	1
m-Nitrotoluene	BQL	190	ug/kg	U	1
o-Nitrotoluene	BQL	190	ug/kg	U	1
p-Nitrotoluene	BQL	190	ug/kg	U	1

Summary of Analytical Results

Client ID AB1002
GPL ID: 9122-005-03-1/1
Matrix: Soil
Date Collected: Sep-18-2000
Date Received: Sep-20-2000

Prep Method: EXT_SW8330
Prep Date: Sep-22-2000
Prep Time: 08:39
Prep Chemist: Rekha Patel

Analytical Method: SW8330
Date Analyzed: Oct-06-2000
Time Analyzed 02:46
Analyst: Mulugeta Wondwossen

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	BQL	100	ug/kg	U	1
1,3-Dinitrobenzene	BQL	100	ug/kg	U	1
2,4,6-Trinitrotoluene	BQL	100	ug/kg	U	1
2,4-Dinitrotoluene	BQL	100	ug/kg	U	1
2,6-Dinitrotoluene	BQL	100	ug/kg	U	1
2-Amino-4,6-Dinitrotoluene	BQL	100	ug/kg	U	1
4-Amino-2,6-Dinitrotoluene	BQL	100	ug/kg	U	1
HMX	BQL	200	ug/kg	U	1
Nitrobenzene	BQL	100	ug/kg	U	1
RDX	BQL	200	ug/kg	U	1
Tetryl	BQL	200	ug/kg	U	1
m-Nitrotoluene	BQL	200	ug/kg	U	1
o-Nitrotoluene	BQL	200	ug/kg	U	1
p-Nitrotoluene	BQL	200	ug/kg	U	1

Summary of Analytical Results

Client ID AB1003
GPL ID: 9122-006-03-1/1
Matrix: Soil
Date Collected: Sep-18-2000
Date Received: Sep-20-2000

Prep Method: EXT_SW8330
Prep Date: Sep-22-2000
Prep Time: 08:39
Prep Chemist: Rekha Patel

Analytical Method: SW8330
Date Analyzed: Oct-06-2000
Time Analyzed 03:14
Analyst: Mulugeta Wondwossen

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	BQL	83.3	ug/kg	U	1
1,3-Dinitrobenzene	BQL	83.3	ug/kg	U	1
2,4,6-Trinitrotoluene	BQL	83.3	ug/kg	U	1
2,4-Dinitrotoluene	BQL	83.3	ug/kg	U	1
2,6-Dinitrotoluene	BQL	83.3	ug/kg	U	1
2-Amino-4,6-Dinitrotoluene	BQL	83.3	ug/kg	U	1
4-Amino-2,6-Dinitrotoluene	BQL	83.3	ug/kg	U	1
HMX	BQL	167	ug/kg	U	1
Nitrobenzene	BQL	83.3	ug/kg	U	1
RDX	BQL	167	ug/kg	U	1
Tetryl	BQL	167	ug/kg	U	1
m-Nitrotoluene	BQL	167	ug/kg	U	1
o-Nitrotoluene	BQL	167	ug/kg	U	1
p-Nitrotoluene	BQL	167	ug/kg	U	1

Summary of Analytical Results

Client ID AB1004
GPL ID: 9122-007-03-1/1
Matrix: Soil
Date Collected: Sep-18-2000
Date Received: Sep-20-2000

Prep Method: EXT_SW8330
Prep Date: Sep-22-2000
Prep Time: 08:39
Prep Chemist: Rekha Patel

Analytical Method: SW8330
Date Analyzed: Oct-06-2000
Time Analyzed 03:43
Analyst: Mulugeta Wondwossen

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	BQL	95.2	ug/kg	U	1
1,3-Dinitrobenzene	BQL	95.2	ug/kg	U	1
2,4,6-Trinitrotoluene	BQL	95.2	ug/kg	U	1
2,4-Dinitrotoluene	354	95.2	ug/kg		1
2,6-Dinitrotoluene	BQL	95.2	ug/kg	U	1
2-Amino-4,6-Dinitrotoluene	BQL	95.2	ug/kg	U	1
4-Amino-2,6-Dinitrotoluene	BQL	95.2	ug/kg	U	1
HMX	BQL	190	ug/kg	U	1
Nitrobenzene	BQL	95.2	ug/kg	U	1
RDX	BQL	190	ug/kg	U	1
Tetryl	BQL	190	ug/kg	U	1
m-Nitrotoluene	BQL	190	ug/kg	U	1
o-Nitrotoluene	BQL	190	ug/kg	U	1
p-Nitrotoluene	BQL	190	ug/kg	U	1

Summary of Analytical Results

Client ID AB1006
GPL ID: 9122-008-03-1/1
Matrix: Soil
Date Collected: Sep-18-2000
Date Received: Sep-20-2000

Prep Method: EXT_SW8330
Prep Date: Sep-22-2000
Prep Time: 08:39
Prep Chemist: Rekha Patel

Analytical Method: SW8330
Date Analyzed: Oct-06-2000
Time Analyzed 04:11
Analyst: Mulugeta Wondwossen

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	BQL	100	ug/kg	U	1
1,3-Dinitrobenzene	BQL	100	ug/kg	U	1
2,4,6-Trinitrotoluene	71.5	100	ug/kg	J	1
2,4-Dinitrotoluene	BQL	100	ug/kg	U	1
2,6-Dinitrotoluene	BQL	100	ug/kg	U	1
2-Amino-4,6-Dinitrotoluene	BQL	100	ug/kg	U	1
4-Amino-2,6-Dinitrotoluene	BQL	100	ug/kg	U	1
HMX	BQL	200	ug/kg	U	1
Nitrobenzene	BQL	100	ug/kg	U	1
RDX	BQL	200	ug/kg	U	1
Tetryl	BQL	200	ug/kg	U	1
m-Nitrotoluene	BQL	200	ug/kg	U	1
o-Nitrotoluene	BQL	200	ug/kg	U	1
p-Nitrotoluene	BQL	200	ug/kg	U	1

Summary of Analytical Results

Client ID AB1016
GPL ID: 9122-009-03-1/1
Matrix: Soil
Date Collected: Sep-18-2000
Date Received: Sep-20-2000

Prep Method: EXT_SW8330
Prep Date: Sep-22-2000
Prep Time: 08:39
Prep Chemist: Rekha Patel

Analytical Method: SW8330
Date Analyzed: Oct-06-2000
Time Analyzed 04:40
Analyst: Mulugeta Wondwossen

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	BQL	100	ug/kg	U	1
1,3-Dinitrobenzene	BQL	100	ug/kg	U	1
2,4,6-Trinitrotoluene	BQL	100	ug/kg	U	1
2,4-Dinitrotoluene	BQL	100	ug/kg	U	1
2,6-Dinitrotoluene	BQL	100	ug/kg	U	1
2-Amino-4,6-Dinitrotoluene	BQL	100	ug/kg	U	1
4-Amino-2,6-Dinitrotoluene	BQL	100	ug/kg	U	1
HMX	BQL	200	ug/kg	U	1
Nitrobenzene	BQL	100	ug/kg	U	1
RDX	BQL	200	ug/kg	U	1
Tetryl	BQL	200	ug/kg	U	1
m-Nitrotoluene	BQL	200	ug/kg	U	1
o-Nitrotoluene	BQL	200	ug/kg	U	1
p-Nitrotoluene	BQL	200	ug/kg	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID ~~AB2016~~ AB2001 MM 11/13/00
GPL ID: 9122-010-04-1/2
Matrix: Water
Date Collected: Sep-18-2000
Date Received: Sep-20-2000

Prep Method: EXT_SW8330
Prep Date: Sep-21-2000
Prep Time: 17:45
Prep Chemist: Reynaldo Caraan

Analytical Method: SW8330
Date Analyzed: Oct-04-2000
Time Analyzed 20:04
Analyst: Mulugeta Wondwossen

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	BQL	0.26	ug/L	U	1
1,3-Dinitrobenzene	BQL	0.26	ug/L	U	1
2,4,6-Trinitrotoluene	BQL	0.26	ug/L	U	1
2,4-Dinitrotoluene	BQL	0.26	ug/L	U	1
2,6-Dinitrotoluene	BQL	0.26	ug/L	U	1
2-Amino-4,6-Dinitrotoluene	BQL	0.26	ug/L	U	1
4-Amino-2,6-Dinitrotoluene	BQL	0.26	ug/L	U	1
HMX	BQL	0.519	ug/L	U	1
Nitrobenzene	BQL	0.26	ug/L	U	1
RDX	BQL	0.519	ug/L	U	1
Tetryl	BQL	0.519	ug/L	U	1
m-Nitrotoluene	BQL	0.519	ug/L	U	1
o-Nitrotoluene	BQL	0.519	ug/L	U	1
p-Nitrotoluene	BQL	0.519	ug/L	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

AB2002 MM 11/13/00

Client ID ~~AB2016~~
GPL ID: 9122-013-04-1/2
Matrix: Water
Date Collected: Sep-18-2000
Date Received: Sep-20-2000

Prep Method: EXT_SW8330
Prep Date: Sep-21-2000
Prep Time: 17:45
Prep Chemist: Reynaldo Caraan

Analytical Method: SW8330
Date Analyzed: Oct-04-2000
Time Analyzed 21:58
Analyst: Mulugeta Wondwossen

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	BQL	0.26	ug/L	U	1
1,3-Dinitrobenzene	BQL	0.26	ug/L	U	1
2,4,6-Trinitrotoluene	BQL	0.26	ug/L	U	1
2,4-Dinitrotoluene	BQL	0.26	ug/L	U	1
2,6-Dinitrotoluene	BQL	0.26	ug/L	U	1
2-Amino-4,6-Dinitrotoluene	BQL	0.26	ug/L	U	1
4-Amino-2,6-Dinitrotoluene	BQL	0.26	ug/L	U	1
HMX	BQL	0.519	ug/L	U	1
Nitrobenzene	BQL	0.26	ug/L	U	1
RDX	BQL	0.519	ug/L	U	1
Tetryl	BQL	0.519	ug/L	U	1
m-Nitrotoluene	BQL	0.519	ug/L	U	1
o-Nitrotoluene	BQL	0.519	ug/L	U	1
p-Nitrotoluene	BQL	0.519	ug/L	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

AB2003 MM 11/13/00

Client ID ~~AB2016~~
GPL ID: 9122-014-04-1/2
Matrix: Water
Date Collected: Sep-18-2000
Date Received: Sep-20-2000

Prep Method: EXT_SW8330
Prep Date: Sep-21-2000
Prep Time: 17:45
Prep Chemist: Reynaldo Caraan

Analytical Method: SW8330
Date Analyzed: Oct-04-2000
Time Analyzed 23:24
Analyst: Mulugeta Wondwossen

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	BQL	0.26	ug/L	U	1
1,3-Dinitrobenzene	BQL	0.26	ug/L	U	1
2,4,6-Trinitrotoluene	BQL	0.26	ug/L	U	1
2,4-Dinitrotoluene	BQL	0.26	ug/L	U	1
2,6-Dinitrotoluene	BQL	0.26	ug/L	U	1
2-Amino-4,6-Dinitrotoluene	BQL	0.26	ug/L	U	1
4-Amino-2,6-Dinitrotoluene	BQL	0.26	ug/L	U	1
HMX	BQL	0.519	ug/L	U	1
Nitrobenzene	BQL	0.26	ug/L	U	1
RDX	BQL	0.519	ug/L	U	1
Tetryl	BQL	0.519	ug/L	U	1
m-Nitrotoluene	BQL	0.519	ug/L	U	1
o-Nitrotoluene	BQL	0.519	ug/L	U	1
p-Nitrotoluene	BQL	0.519	ug/L	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

AB2004 MM 11/13/00

Client ID ~~AB2016~~
GPL ID: 9122-015-04-1/2
Matrix: Water
Date Collected: Sep-18-2000
Date Received: Sep-20-2000

Prep Method: EXT_SW8330
Prep Date: Sep-21-2000
Prep Time: 17:45
Prep Chemist: Reynaldo Caraan

Analytical Method: SW8330
Date Analyzed: Oct-04-2000
Time Analyzed 23:52
Analyst: Mulugeta Wondwossen

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	BQL	0.26	ug/L	U	1
1,3-Dinitrobenzene	BQL	0.26	ug/L	U	1
2,4,6-Trinitrotoluene	BQL	0.26	ug/L	U	1
2,4-Dinitrotoluene	7.92	0.26	ug/L		1
2,6-Dinitrotoluene	BQL	0.26	ug/L	U	1
2-Amino-4,6-Dinitrotoluene	BQL	0.26	ug/L	U	1
4-Amino-2,6-Dinitrotoluene	BQL	0.26	ug/L	U	1
HMX	BQL	0.519	ug/L	U	1
Nitrobenzene	BQL	0.26	ug/L	U	1
RDX	BQL	0.519	ug/L	U	1
Tetryl	BQL	0.519	ug/L	U	1
m-Nitrotoluene	1.47	0.519	ug/L		1
o-Nitrotoluene	10.4	0.519	ug/L		1
p-Nitrotoluene	4.30	0.519	ug/L		1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID ~~AB2016~~ AB2006 MM 11/13/00
GPL ID: 9122-016-04-1/2
Matrix: Water
Date Collected: Sep-18-2000
Date Received: Sep-20-2000

Prep Method: EXT_SW8330
Prep Date: Sep-21-2000
Prep Time: 17:45
Prep Chemist: Reynaldo Caraan

Analytical Method: SW8330
Date Analyzed: Oct-05-2000
Time Analyzed 00:21
Analyst: Mulugeta Wondwossen

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	BQL	0.26	ug/L	U	1
1,3-Dinitrobenzene	BQL	0.26	ug/L	U	1
2,4,6-Trinitrotoluene	BQL	0.26	ug/L	U	1
2,4-Dinitrotoluene	BQL	0.26	ug/L	U	1
2,6-Dinitrotoluene	BQL	0.26	ug/L	U	1
2-Amino-4,6-Dinitrotoluene	BQL	0.26	ug/L	U	1
4-Amino-2,6-Dinitrotoluene	BQL	0.26	ug/L	U	1
HMX	BQL	0.519	ug/L	U	1
Nitrobenzene	BQL	0.26	ug/L	U	1
RDX	BQL	0.519	ug/L	U	1
Tetryl	BQL	0.519	ug/L	U	1
m-Nitrotoluene	BQL	0.519	ug/L	U	1
o-Nitrotoluene	BQL	0.519	ug/L	U	1
p-Nitrotoluene	BQL	0.519	ug/L	U	1

Summary of Analytical Results

Client ID AB2016
GPL ID: 9122-017-04-1/2
Matrix: Water
Date Collected: Sep-18-2000
Date Received: Sep-20-2000

Prep Method: EXT_SW8330
Prep Date: Sep-21-2000
Prep Time: 17:45
Prep Chemist: Reynaldo Caraan

Analytical Method: SW8330
Date Analyzed: Oct-05-2000
Time Analyzed 00:49
Analyst: Mulugeta Wondwossen

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	BQL	0.26	ug/L	U	1
1,3-Dinitrobenzene	BQL	0.26	ug/L	U	1
2,4,6-Trinitrotoluene	BQL	0.26	ug/L	U	1
2,4-Dinitrotoluene	BQL	0.26	ug/L	U	1
2,6-Dinitrotoluene	BQL	0.26	ug/L	U	1
2-Amino-4,6-Dinitrotoluene	BQL	0.26	ug/L	U	1
4-Amino-2,6-Dinitrotoluene	BQL	0.26	ug/L	U	1
HMX	BQL	0.519	ug/L	U	1
Nitrobenzene	BQL	0.26	ug/L	U	1
RDX	BQL	0.519	ug/L	U	1
Tetryl	BQL	0.519	ug/L	U	1
m-Nitrotoluene	BQL	0.519	ug/L	U	1
o-Nitrotoluene	BQL	0.519	ug/L	U	1
p-Nitrotoluene	BQL	0.519	ug/L	U	1

2C
WATER EXPLOSIVES SURROGATE RECOVERY

Lab Name: GPL LABORATORIES, LLLP Contract: IT CORPORATION

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

	CLIENT SAMPLE NO.	S1 #	TOT OUT
01	NBLK B	97	0
02	NLCS B	92	0
03	AB2001	62	0
04	AB2001 MS	65	0
05	AB2001 MSD	58	0
06	AB2002	70	0
07	AB2003	61	0
08	AB2004	62	0
09	AB2006	56	0
10	AB2016	60	0

			QC LIMITS
S1	=	4-Nitroaniline	(22-100)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogate diluted out

2D
SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: GPL LABORATORIES, LLLP Contract: IT Corporation

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Level: (low/med) LOW

	Client SAMPLE NO.	S1 #	TOT OUT
01	NBLK A	83	0
02	NLCS A	91	0
03	AB1001	91	0
04	AB1001 MS	91	0
05	AB1001 MSD	85	0
06	AB1002	84	0
07	AB1003	87	0
08	AB1004	48	0
09	AB1006	91	0
10	AB1016	97	0

			QC LIMITS
S1	=	4-NITROANILINE	(24-140)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogate diluted out

3C

WATER EXPLOSIVES MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: GPL LABORATORIES, LLLP Contract: IT CORPORATIO

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Matrix Spike - EPA Sample No.: AB2001

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
HMX	15	0.0	12	80	53 - 123
1,3,5-Trinitrobenzene	7.5	0.0	6.2	83	27 - 150
Tetryl	15	0.0	8.8	59	32 - 100
2,4,6-Trinitrotoluene	7.5	0.0	8.4	112	44 - 150
4-Amino-2,6-Dinitrotoluene	7.5	0.0	6.8	91	36 - 126
4-Nitrotoluene	15	0.0	13	87	49 - 123
RDX	15	0.0	12	80	41 - 144
1,3-Dinitrobenzene	7.5	0.0	6.3	84	52 - 123
Nitrobenzene	7.5	0.0	6.4	85	48 - 111
2-Amino-4,6-Dinitrotoluene	7.5	0.0	9.3	124	53 - 138
2,4-Dinitrotoluene	15	0.0	9.2	61	36 - 106
2-Nitrotoluene	15	0.0	12	80	39 - 134
3-Nitrotoluene	15	0.0	12	80	53 - 123

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
HMX	15	12	80	0	25	53 - 123
1,3,5-Trinitrobenzene	7.5	5.9	79	5	25	27 - 150
Tetryl	15	6.4	43	31 *	25	32 - 100
2,4,6-Trinitrotoluene	7.5	8.7	116	4	25	44 - 150
4-Amino-2,6-Dinitrotoluene	7.5	6.6	88	3	25	36 - 126
4-Nitrotoluene	15	13	87	0	25	49 - 123
RDX	15	12	80	0	25	41 - 144
1,3-Dinitrobenzene	7.5	6.3	84	0	25	52 - 123
Nitrobenzene	7.5	7.2	96	12	25	48 - 111
2-Amino-4,6-Dinitrotoluene	7.5	9.3	124	0	25	53 - 138
2,4-Dinitrotoluene	15	8.7	58	5	25	36 - 106
2-Nitrotoluene	15	12	80	0	25	39 - 134

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 1 out of 13 outside limits

Spike Recovery: 0 out of 26 outside limits

COMMENTS: _____

3C

WATER EXPLOSIVES MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: GPL LABORATORIES, LLLP Contract: IT CORPORATIO

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Matrix Spike - EPA Sample No.: AB2001

3-Nitrotoluene	15	12	80	0	25	53 - 123

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 0 outside limits

Spike Recovery: 0 out of 0 outside limits

COMMENTS: _____

3D

SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: GPL LABORATORIES, LLLP Contract: IT Corporation

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Matrix Spike - EPA Sample No.: AB1001 Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC LIMITS REC.
HMX	2700	0.0	2500	93	70 - 113
1,3,5-TRINITROBENZENE	1400	0.0	1400	100	20 - 150
TETRYL	2700	0.0	1700	63	20 - 103
2,4,6-TRINITROTOLUENE	1400	0.0	1600	114	46 - 150
4-AMINO-2,6-DINITROTOLU	1400	0.0	1400	100	39 - 136
4-NITROTOLUENE	2700	0.0	2600	96	70 - 114
RDX	2700	0.0	2400	89	70 - 124
1,3-DINITROBENZENE	1400	0.0	1400	100	70 - 127
NITROBENZENE	1400	0.0	1300	93	70 - 120
2-AMINO-4,6-DINITROTOLU	1400	0.0	1800	129	43 - 150
2,4-DINITROTOLUENE	2700	0.0	1800	67	56 - 100
2-NITROTOLUENE	2700	0.0	2600	96	70 - 116
3-NITROTOLUENE	2700	0.0	2600	96	70 - 109

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
HMX	2600	2400	92	1	25	70 - 113
1,3,5-TRINITROBENZENE	1300	1500	115	14	25	20 - 150
TETRYL	2600	1700	65	3	25	20 - 103
2,4,6-TRINITROTOLUENE	1300	1600	123	8	25	46 - 150
4-AMINO-2,6-DINITROTOLU	1300	1200	92	8	25	39 - 136
4-NITROTOLUENE	2600	2500	96	0	25	70 - 114
RDX	2600	2300	88	1	25	70 - 124
1,3-DINITROBENZENE	1300	1300	100	0	25	70 - 127
NITROBENZENE	1300	1400	108	15	25	70 - 120
2-AMINO-4,6-DINITROTOLU	1300	1700	131	2	25	43 - 150
2,4-DINITROTOLUENE	2600	1800	69	3	25	56 - 100
2-NITROTOLUENE	2600	2600	100	4	25	70 - 116

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 13 outside limits

Spike Recovery: 0 out of 26 outside limits

COMMENTS:

3D

SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: GPL LABORATORIES, LLLP Contract: IT Corporation

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Matrix Spike - EPA Sample No.: AB1001 Level: (low/med) LOW

3-NITROTOLUENE	2600	2500	96	0	25	70 - 109

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 0 outside limits

Spike Recovery: 0 out of 0 outside limits

COMMENTS: _____

3F

WATER LABORATORY CONTROL SPIKE RECOVERY

Lab Name: GPL Laboratories, LLLP Contract: IT Corporation

Lab Code: GPLL Case No. N/A SAS No. N/A SDG No. N/A

EPA Sample No.: NLCS B GP ID: NBLK 6861 MS

COMPOUND	SPIKE ADDED ug/l	LCS CONCENTRATION ug/l	LCS % REC	QC LIMITS
HMX	7.8	6.8	87	70-127
1,3,5-TNB	3.9	3.5	89	20-150
TETRYL	7.8	4.0	52	20-104
TNT	3.9	4.3	109	70-150
4-AMINO-2,6-DNT	3.9	3.8	98	63-121
4-NITROTOLUENE	7.8	7.5	96	57-139
RDX	7.8	7.5	96	70-124
1,3-DINITROBENZENE	3.9	3.7	96	65-141
NITROBENZENE	3.9	4.1	105	71-134
2-AMINO-4,6-DNT	3.9	5.2	134	43-150
2,4-DNT	7.8	4.7	60	53-101
2-NITROTOLUENE	7.8	7.5	97	63-132
3-NITROTOLUENE	7.8	7.2	92	68-133

* OUTSIDE QC LIMIT

COMMENTS:

FORM III 8330

3F

SOIL LABORATORY CONTROL SPIKE RECOVERY

Lab Name: GPL Laboratories, LLLP Contract: IT Corporation

Lab Code: GPLL Case No. N/A SAS No. N/A SDG No. N/A

EPA Sample No.: NLCS A GP ID: NBLK-6867 MS

COMPOUND	SPIKE ADDED (ug/kg)	LCS CONCENTRATION (ug/kg)	LCS % REC	QC LIMITS
HMX	3000	2826	94	70-114
1,3,5-TNB	1500	1530	102	70-118
TETRYL	3000	2100	70	26-100
TNT	1500	1854	124	70-150
4-AMINO-2,6-DNT	1500	1453	97	60-112
4-NITROTOLUENE	3000	2835	94	70-119
RDX	3000	2807	94	70-118
1,3-DINITROBENZENE	1500	1493	100	70-118
NITROBENZENE	1500	1459	97	70-121
2-AMINO-4,6-DNT	1500	1917	128	69-146
2,4-DNT	3000	1994	66	64-100
2-NITROTOLUENE	3000	2934	98	75-122
3-NITROTOLUENE	3000	2906	97	70-111

* OUTSIDE QC LIMIT

COMMENTS: _____

4B

EXPLOSIVES METHOD BLANK SUMMARY

EPA SAMPLE NO.

NBLK B

Lab Name: GPL LABORATORIES, LLLP Contract: IT CORPORAT

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Lab File ID: LCA2295.D Lab Sample ID: NBLK 6861

Instrument ID: LCA Date Extracted: 09/21/00

Matrix: (soil/water) WATER Date Analyzed: 10/04/00

Level: (low/med) LOW Time Analyzed: 19:07

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	Client Sample NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	NLCS B	NBLK 6861 MS	LCA2296.D	10/04/00
02	AB2001	9122-010	LCA2297.D	10/04/00
03	AB2001 MS	9122-010 MS	LCA2298.D	10/04/00
04	AB2001 MSD	9122-010 MSD	LCA2299.D	10/04/00
05	AB2002	9122-013	LCA2301.D	10/04/00
06	AB2003	9122-014	LCA2304.D	10/04/00
07	AB2004	9122-015	LCA2305.D	10/04/00
08	AB2006	9122-016	LCA2306.D	10/05/00
09	AB2016	9122-017	LCA2307.D	10/05/00

COMMENTS:

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

NBLK A

Lab Name: GPL LABORATORIES, LLLP Contract: IT Corporation

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Lab File ID: LCA2354.D Lab Sample ID: NBLK 6867

Instrument ID: LCA Date Extracted: 09/22/00

Matrix: (soil/water) SOIL Date Analyzed: 10/05/00

Level: (low/med) LOW Time Analyzed: 23:26

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	Client SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	NLCS A	NBLK 6867 MS	LCA2355.D	10/05/00
02	AB1001	9122-002	LCA2356.D	10/06/00
03	AB1001 MS	9122-002 MS	LCA2357.D	10/06/00
04	AB1001 MSD	9122-002 MSD	LCA2358.D	10/06/00
05	AB1002	9122-005	LCA2361.D	10/06/00
06	AB1003	9122-006	LCA2362.D	10/06/00
07	AB1004	9122-007	LCA2363.D	10/06/00
08	AB1006	9122-008	LCA2364.D	10/06/00
09	AB1016	9122-009	LCA2365.D	10/06/00

COMMENTS:

IT CORPORATION
A Member of The IT Group

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 090019-GPL

Project Number: 773206
Samples Shipment Date: 19 SEP 2000
Project Name: PLUMBROOK ORDNANCE WOR
ab Destination: GPL Labotatories
Sample Coordinator: Duane Nielsen
Lab Contact: Bill Lock
Turnaround Time:
Project Contact: Kim Napier
Carrier/Waybill No.: Fed Ex/8212 2620 3412

Bill To: Accounts Receivable
312 Directors Drive
Knoxville TN 37923

Report To: Kim Napier
312 Directors Drive
Knoxville TN 37923

Special Instructions: RUSH TAT

Possible Hazard Indentification:

Non-hazard [ ] Flammable [ ] Skin Irritant [ ] Poison B [ ] Unknown [X]

Sample Disposal:

Return to Client [ ] Disposal by Lab [X] Archive [ ] (mos.)

1. Relinquished By (Signature/Affiliation) [signature] Date: 9/19/00 Time: 15:00
2. Relinquished By (Signature/Affiliation) Date: Time:
3. Relinquished By (Signature/Affiliation) Date: Time:

1. Received By (Signature/Affiliation) Date: Time:
2. Received By (Signature/Affiliation) Date: Time:
3. Received By (Signature/Affiliation) [signature] Date: 9/20/00 Time: 2:30 pm

Comments:

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
09182000-TB	FIELDQC-BW-09182000-TB-TB	18 SEP 2000	07:00	40 ml GVIAL,SEP	2	HCl<pH 2	TCL Volatiles by SW-846 8260B	N		
AB1001	PBOW-00-SD-TNTC-SD01-AB1001-(00-00)	18 SEP 2000	19:50	8 oz CWM	2	None except cool to 4 C	TCL Volatiles by SW-846 8260B	N		
AB1001	PBOW-00-SD-TNTC-SD01-AB1001-(00-00)	18 SEP 2000	19:50	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by SW-846 8330, TAL Metals by SW-846 6010B/7471A in soil	N		
AB1001	PBOW-00-SD-TNTC-SD01-AB1001-(00-00)	18 SEP 2000	19:50	8 oz CWM	1	None except cool to 4 C	PCBs by SW-846 8082, TCL Semivolatiles by SW-846 8270C	N		
AB1001-MS	PBOW-00-SD-TNTC-SD01-AB1001-MS-(00-00)	18 SEP 2000	09:50	8 oz CWM	2	None except cool to 4 C	TCL Volatiles by SW-846 8260B	N		
AB1001-MS	PBOW-00-SD-TNTC-SD01-AB1001-MS-(00-00)	18 SEP 2000	09:50	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by SW-846 8330, TAL Metals by SW-846 6010B/7471A in soil	N		

0 106

9122

IT CORPORATION
A Member of The IT Group

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 090019-GPL

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
AB1001-MS	PBOW-00-SD-TNTC-SD01-AB1001-MS-(00-00)	18 SEP 2000	09:50	8 oz CWM	1	None except cool to 4 C	PCBs by SW-846 8082, TCL Semivolatiles by SW-846 8270C	N		
AB1001-MSD	PBOW-00-SD-TNTC-SD01-AB1001-MSD-(00-00)	18 SEP 2000	09:50	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by SW-846 8330, TAL Metals by SW-846 6010B/7471A in soil	N		
AB1001-MSD	PBOW-00-SD-TNTC-SD01-AB1001-MSD-(00-00)	18 SEP 2000	09:50	8 oz CWM	2	None except cool to 4 C	TCL Volatiles by SW-846 8260B	N		
AB1001-MSD	PBOW-00-SD-TNTC-SD01-AB1001-MSD-(00-00)	18 SEP 2000	09:50	8 oz CWM	1	None except cool to 4 C	PCBs by SW-846 8082, TCL Semivolatiles by SW-846 8270C	N		
AB1002	PBOW-00-SD-TNTC-SD02-AB1002-(00-00)	18 SEP 2000	15:15	8 oz CWM	2	None except cool to 4 C	TCL Volatiles by SW-846 8260B	N		
AB1002	PBOW-00-SD-TNTC-SD02-AB1002-(00-00)	18 SEP 2000	15:15	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by SW-846 8330, TAL Metals by SW-846 6010B/7471A in soil	N		
AB1002	PBOW-00-SD-TNTC-SD02-AB1002-(00-00)	18 SEP 2000	15:15	8 oz CWM	1	None except cool to 4 C	PCBs by SW-846 8082, TCL Semivolatiles by SW-846 8270C	N		
AB1003	PBOW-00-SD-TNTC-SD03-AB1003-(00-00)	18 SEP 2000	15:45	8 oz CWM	2	None except cool to 4 C	TCL Volatiles by SW-846 8260B	N		
AB1003	PBOW-00-SD-TNTC-SD03-AB1003-(00-00)	18 SEP 2000	15:45	8 oz CWM	1	None except cool to 4 C	PCBs by SW-846 8082, TCL Semivolatiles by SW-846 8270C	N		
AB1003	PBOW-00-SD-TNTC-SD03-AB1003-(00-00)	18 SEP 2000	15:45	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by SW-846 8330, TAL Metals by SW-846 6010B/7471A in soil	N		
AB1004	PBOW-00-SD-TNTC-SD04-AB1004-(00-00)	18 SEP 2000	16:30	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by SW-846 8330, TAL Metals by SW-846 6010B/7471A in soil	N		
AB1004	PBOW-00-SD-TNTC-SD04-AB1004-(00-00)	18 SEP 2000	16:30	8 oz CWM	1	None except cool to 4 C	PCBs by SW-846 8082, TCL Semivolatiles by SW-846 8270C	N		
AB1004	PBOW-00-SD-TNTC-SD04-AB1004-(00-00)	18 SEP 2000	16:30	8 oz CWM	2	None except cool to 4 C	TCL Volatiles by SW-846 8260B	N		
AB1006	PBOW-00-SD-TNTC-SD06-AB1006-(00-00)	18 SEP 2000	17:30	8 oz CWM	2	None except cool to 4 C	TCL Volatiles by SW-846 8260B	N		
AB1006	PBOW-00-SD-TNTC-SD06-AB1006-(00-00)	18 SEP 2000	17:30	8 oz CWM	1	None except cool to 4 C	PCBs by SW-846 8082, TCL Semivolatiles by SW-846 8270C	N		
AB1006	PBOW-00-SD-TNTC-SD06-AB1006-(00-00)	18 SEP 2000	17:30	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by SW-846 8330, TAL Metals by SW-846 6010B/7471A in soil	N		
AB1016	PBOW-00-SD-TNTC-SD01-AB1016-(00-00)	18 SEP 2000	09:50	8 oz CWM	2	None except cool to 4 C	TCL Volatiles by SW-846 8260B	N		
AB1016	PBOW-00-SD-TNTC-SD01-AB1016-(00-00)	18 SEP 2000	09:50	8 oz CWM	1	None except cool to 4 C	PCBs by SW-846 8082, TCL Semivolatiles by SW-846 8270C	N		
AB1016	PBOW-00-SD-TNTC-SD01-AB1016-(00-00)	18 SEP 2000	09:50	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by SW-846 8330, TAL Metals by SW-846 6010B/7471A in soil	N		
AB2001	PBOW-00-SW-TNTC-SW01-AB2001-(00-00)	18 SEP 2000	09:30	1 L Amb. Glass	2	None except cool to 4 C	Nitroaromatics by SW-846 8330	N		
AB2001	PBOW-00-SW-TNTC-SW01-AB2001-(00-00)	18 SEP 2000	09:30	40 mL GVIAL,SEP	3	HCl<pH 2	TCL Volatiles by SW-846 8260B	N		
AB2001	PBOW-00-SW-TNTC-SW01-AB2001-(00-00)	18 SEP 2000	09:30	1 L HDPE	1	HNO3, pH<2	TAL Metals by SW-846 6010B/7470A in water	N		
AB2001	PBOW-00-SW-TNTC-SW01-AB2001-(00-00)	18 SEP 2000	09:30	1 L Amb. Glass	2	None except cool to 4 C	TCL Semivolatiles by SW-846 8270C	N		
AB2001	PBOW-00-SW-TNTC-SW01-AB2001-(00-00)	18 SEP 2000	09:30	1 L Amb. Glass	2	None except cool to 4 C	PCBs by SW-846 8082	N		
AB2001-MS	PBOW-00-SW-TNTC-SW01-AB2001-MS-(00-00)	18 SEP 2000	09:30	40 mL GVIAL,SEP	3	HCl<pH 2	TCL Volatiles by SW-846 8260B	N		
AB2001-MS	PBOW-00-SW-TNTC-SW01-AB2001-MS-(00-00)	18 SEP 2000	09:30	1 L Amb. Glass	2	None except cool to 4 C	PCBs by SW-846 8082	N		

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IT CORPORATION
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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 090019-GPL

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
AB2001-MS	PBOW-00-SW-TNTC-SW01-AB2001-MS-(00-00)	18 SEP 2000	09:30	1 L HDPE	1	HNO3, pH<2	TAL Metals by SW-846 6010B/7470A in water	N		
AB2001-MS	PBOW-00-SW-TNTC-SW01-AB2001-MS-(00-00)	18 SEP 2000	09:30	1 L Amb. Glass	2	None except cool to 4 C	Nitroaromatics by SW-846 8330	N		
AB2001-MS	PBOW-00-SW-TNTC-SW01-AB2001-MS-(00-00)	18 SEP 2000	09:30	1 L Amb. Glass	2	None except cool to 4 C	TCL Semivolatiles by SW-846 8270C	N		
AB2001-MSD	PBOW-00-SW-TNTC-SW01-AB2001-MSD-(00-00)	18 SEP 2000	09:30	1 L Amb. Glass	2	None except cool to 4 C	Nitroaromatics by SW-846 8330	N		
AB2001-MSD	PBOW-00-SW-TNTC-SW01-AB2001-MSD-(00-00)	18 SEP 2000	09:30	1 L Amb. Glass	2	None except cool to 4 C	TCL Semivolatiles by SW-846 8270C	N		
AB2001-MSD	PBOW-00-SW-TNTC-SW01-AB2001-MSD-(00-00)	18 SEP 2000	09:30	40 mL GVIAL,SEP	3	HCl<pH 2	TCL Volatiles by SW-846 8260B	N		
AB2001-MSD	PBOW-00-SW-TNTC-SW01-AB2001-MSD-(00-00)	18 SEP 2000	09:30	1 L HDPE	1	HNO3, pH<2	TAL Metals by SW-846 6010B/7470A in water	N		
AB2001-MSD	PBOW-00-SW-TNTC-SW01-AB2001-MSD-(00-00)	18 SEP 2000	09:30	1 L Amb. Glass	2	None except cool to 4 C	PCBs by SW-846 8082	N		
AB2002	PBOW-00-SW-TNTC-SW02-AB2002-(00-00)	18 SEP 2000	15:00	40 mL GVIAL,SEP	3	HCl<pH 2	TCL Volatiles by SW-846 8260B	N		
AB2002	PBOW-00-SW-TNTC-SW02-AB2002-(00-00)	18 SEP 2000	15:00	1 L Amb. Glass	2	None except cool to 4 C	PCBs by SW-846 8082	N		
AB2002	PBOW-00-SW-TNTC-SW02-AB2002-(00-00)	18 SEP 2000	15:00	1 L HDPE	1	HNO3, pH<2	TAL Metals by SW-846 6010B/7470A in water	N		
AB2002	PBOW-00-SW-TNTC-SW02-AB2002-(00-00)	18 SEP 2000	15:00	1 L Amb. Glass	2	None except cool to 4 C	Nitroaromatics by SW-846 8330	N		
AB2002	PBOW-00-SW-TNTC-SW02-AB2002-(00-00)	18 SEP 2000	15:00	1 L Amb. Glass	2	None except cool to 4 C	TCL Semivolatiles by SW-846 8270C	N		
AB2003	PBOW-00-SW-TNTC-SW03-AB2003-(00-00)	18 SEP 2000	15:30	1 L Amb. Glass	2	None except cool to 4 C	Nitroaromatics by SW-846 8330	N		
AB2003	PBOW-00-SW-TNTC-SW03-AB2003-(00-00)	18 SEP 2000	15:30	1 L Amb. Glass	2	None except cool to 4 C	TCL Semivolatiles by SW-846 8270C	N		
AB2003	PBOW-00-SW-TNTC-SW03-AB2003-(00-00)	18 SEP 2000	15:30	1 L HDPE	1	HNO3, pH<2	TAL Metals by SW-846 6010B/7470A in water	N		
AB2003	PBOW-00-SW-TNTC-SW03-AB2003-(00-00)	18 SEP 2000	15:30	40 mL GVIAL,SEP	3	HCl<pH 2	TCL Volatiles by SW-846 8260B	N		
AB2003	PBOW-00-SW-TNTC-SW03-AB2003-(00-00)	18 SEP 2000	15:30	1 L Amb. Glass	2	None except cool to 4 C	PCBs by SW-846 8082	N		
AB2004	PBOW-00-SW-TNTC-SW04-AB2004-(00-00)	18 SEP 2000	16:15	40 mL GVIAL,SEP	3	HCl<pH 2	TCL Volatiles by SW-846 8260B	N		
AB2004	PBOW-00-SW-TNTC-SW04-AB2004-(00-00)	18 SEP 2000	16:15	1 L Amb. Glass	2	None except cool to 4 C	TCL Semivolatiles by SW-846 8270C	N		
AB2004	PBOW-00-SW-TNTC-SW04-AB2004-(00-00)	18 SEP 2000	16:15	1 L Amb. Glass	2	None except cool to 4 C	Nitroaromatics by SW-846 8330	N		
AB2004	PBOW-00-SW-TNTC-SW04-AB2004-(00-00)	18 SEP 2000	16:15	1 L HDPE	1	HNO3, pH<2	TAL Metals by SW-846 6010B/7470A in water	N		
AB2004	PBOW-00-SW-TNTC-SW04-AB2004-(00-00)	18 SEP 2000	16:15	1 L Amb. Glass	2	None except cool to 4 C	PCBs by SW-846 8082	N		
AB2006	PBOW-00-SW-TNTC-SW06-AB2006-(00-00)	18 SEP 2000	17:15	40 mL GVIAL,SEP	3	HCl<pH 2	TCL Volatiles by SW-846 8260B	N		
AB2006	PBOW-00-SW-TNTC-SW06-AB2006-(00-00)	18 SEP 2000	17:15	1 L Amb. Glass	2	None except cool to 4 C	TCL Semivolatiles by SW-846 8270C	N		
AB2006	PBOW-00-SW-TNTC-SW06-AB2006-(00-00)	18 SEP 2000	17:15	1 L Amb. Glass	2	None except cool to 4 C	Nitroaromatics by SW-846 8330	N		
AB2006	PBOW-00-SW-TNTC-SW06-AB2006-(00-00)	18 SEP 2000	17:15	1 L HDPE	1	HNO3, pH<2	TAL Metals by SW-846 6010B/7470A in water	N		
AB2006	PBOW-00-SW-TNTC-SW06-AB2006-(00-00)	18 SEP 2000	17:15	1 L Amb. Glass	2	None except cool to 4 C	PCBs by SW-846 8082	N		
AB2016	PBOW-00-SW-TNTC-SW01-AB2016-(00-00)	18 SEP 2000	09:30	40 mL GVIAL,SEP	3	HCl<pH 2	TCL Volatiles by SW-846 8260B	N		
AB2016	PBOW-00-SW-TNTC-SW01-AB2016-(00-00)	18 SEP 2000	09:30	1 L Amb. Glass	2	None except cool to 4 C	TCL Semivolatiles by SW-846 8270C	N		
AB2016	PBOW-00-SW-TNTC-SW01-AB2016-(00-00)	18 SEP 2000	09:30	1 L Amb. Glass	2	None except cool to 4 C	Nitroaromatics by SW-846 8330	N		

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9122

IT CORPORATION
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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 090019-GPL

Sample No	Sample Name	Sample Date	Sample Time	Container	Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
AB2016	PBOW-00-SW-TNTC-SW01-AB2016-(00-00)	18 SEP 2000	09:30	1 L HDPE	1 HNO3, pH<2	TAL Metals by SW-846 6010B/7470A in water	N		
AB2016	PBOW-00-SW-TNTC-SW01-AB2016-(00-00)	18 SEP 2000	09:30	1 L Amb. Glass	2 None except cool to 4 C	PCBs by SW-846 8082	N		

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Sample Preservation Check Documentation Form

WORK ORDER: 9122

Parameter:	Metals	Phenol	TPH O&G	Classical Parameters	Cyanide	Sulfide	Radiology	
Preservative:	HNO3	H2SO4	H2SO4	H2SO4	NaOH	NaOH	H2SO4	Other Preservations
pH Value	<2	<2	<2	<2	>12	>9	<2	
CLIENT I.D.								
AB2001	2							
AB2001MS	2							
AB2001MSD	2							
AB2002	2							
AB2003	2							
AB2004	2							
AB2006	2							
AB2016	2							

09/20/00

Sample Preservation Check Performed By: [signature] Date: 09/20/00

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GPL Laboratories, LLLP

Figure 1
SAMPLE RECEIPT CHECKLIST

W.O. No: 91122 Carrier Name: FED EX

Client Name: IT Corporation Prepared (Logged In) By: SM 09/20/00 (Initials Date)

Date Received: 09/20/00 Project:

Time Received: 5:20 AM Site:

Received By: SM VOA Holding Blank I.D. No:

	YES	NO
Airbill/Manifest Present?	✓	
No. 8212262034 12		
Shipping Container in Good Condition?	✓	
Custody Seals Present on Shipping Container?	✓	
Condition: Broken ____ Intact-not dated or signed ____ Intact-dated and signed ✓		
Usage of Tamper Evident Type	✓	
Chain-of-Custody Present?	✓	
Chain-of-Custody Agrees with Sample Labels?	✓	
Chain-of-Custody Signed?	✓	
Packing Present in Shipping Container? Type of Packing Bubble wrap	✓	
Custody seals on Sample Bottles? Condition: Good ____ Broken ____		✓
Total Number of Sample Bottles 113		
Total Number of Samples 17		
Samples Intact?	✓	
Sufficient Sample Volume for Indicated Test?	✓	

	YES	NO
Trip Blanks: No. of Sets 1	✓	
Field Blanks: No. of Sets ____		✓
Equip. Blank: No. of Sets ____		✓
Field Duplicate: No. of Sets ____		✓
MS/MSD: No of Sets 2	✓	
VOA Vials Have Zero Headspace?	✓	
Preservatives Added to Sample?	✓	
pH Check Required? Performed By? S	✓	
Ice Present in Shipping Container?	✓	

Container #	Temp.	Container #	Temp.
#1	2.0°C	#8	2.0°C
#2	2.0°C		
#3	2.0°C		
#4	2.0°C		
#5	3.0°C		
#6	2.0°C		
#7	3.0°C		

Project Manager Contacted?
Name: [illegible]
Date Contacted:

Any NO response must be detailed in the comments section below. If items are not applicable to particular samples or contracts, they should be marked N/A/

COMMENTS: Temperature by temp Blank
3 VOA Vials received without labels.
Sample AB2016 received 1 bottle for SVOA (2 on COC)

Checklist Completed By: [signature]

Date: 09/20/00

SOP No: F.2V10

Analytical Report For 9126

✓ VOA
✓ SVOA
✓ PCB
✓ Explosives
✓ Metals

for

IT Corporation

Project Manager: Maureen McMyler

Project Name : Plumbrook Ordnance Works

October 17, 2000

GPL

Laboratories

Project Manager

Laboratory Director

202 Perry Parkway Gaithersburg, MD 20877 Phone (301) 926 6802 Fax: (301) 840) 1209
www.gplab.com

GPL

Laboratories

CASE NARRATIVE

CLIENT: IT CORPORATION
PROJECT/SITE: PLUMBROOK ORDNANCE WORKS
WORK ORDER(S): 9126
REVIEW DATE: 10/17/00

The Case Narrative, Chain of Custody, Sample Receipt Checklist, and the cover page of the Analytical Report, are integral parts of GPL Laboratories' report package. If you did not receive all of these documents, please contact GPL immediately.

Sample Receipt

Seven waters and thirteen soil samples were received on 09/21/2000. The samples were delivered by Federal Express. The samples were received intact. Sample receipt conditions and temperatures are documented on the Sample Receipt Checklist.

Sample Analysis

Samples were prepared and analyzed by GPL using the analytical methodologies indicated on the Analytical Report of Analysis.

Volatile Analysis

1. Thirteen soils and seven water samples were analyzed for volatile organic using 8260B methodologies.

2. The matrix spike and matrix spike duplicate analyses for soil were performed on sample AB1018. The matrix spike and matrix spike duplicate analyses for water were shared with work order 9096.

3. Three laboratory control sample (LCS) reports were submitted with this package.

4. Internal standard recovery of sample AB1018 MS was outside established QC limits.

5. The lowest calibration level reported for methylene chloride, acetone, trans-1,3-dichloropropene, and bromoform in the initial calibration curve report, 86_25W15.M, was 2ug/L.

6. Methylene chloride was present on BLK6977 at 6ug/Kg.

Semivolatile Analysis

1. Six water samples and thirteen soil samples were extracted using method 3520C and 3550B respectively. These samples were analyzed for semivolatile organic compounds using USEPA method 8270C.

2. Sample AB2008 did not meet surrogate method criteria. Sample was re-extracted outside holding time. The re-extract was within method QC limits. Both results are submitted.

GPL

Laboratories

CASE NARRATIVE

CLIENT: IT CORPORATION
PROJECT/SITE: PLUMBROOK ORDNANCE WORKS
WORK ORDER(S): 9126
REVIEW DATE: 10/17/00

3. For the water samples matrix spike and duplicate analysis was shared with work order 9130. There was one RPD outside of QC limits. A laboratory control spike was also performed with the batch, four spike recoveries were outside of QC limits.

4. For the soil samples matrix spike and duplicate analysis was performed on sample AB1011. A laboratory control spike was also performed with the batch, one spike recovery was outside of QC limits.

5. The continuing calibration analyzed on 10/07/00 had Pentachlorophenol and Fluoranthene at 22.2%D and 25.3%D respectively. Re-analyses were not performed since it was not detected in the samples that were analyzed that day.

6. The continuing calibration analyzed on 10/08/00 had Pentachlorophenol at 25%D. Re-analyses were not performed since it was not detected in the samples that were analyzed that day.

7. The continuing calibration analyzed on 10/06/00 had Di-n-octylphthalate at 24.2%D. Re-analyses were not performed since it was not detected in the samples that were analyzed that day.

PCBs

1. Seven soil and thirteen water samples were extracted and analyzed for PCB compounds using method 8082.

2. MS/MSD analysis for the soil matrix was performed on sample AB1011. For the water matrix MS/MSD analysis was performed on sample AB2018. A laboratory control spike was performed with each matrix.

3. Percent recovery for AR1016 was below QC limits for the water MS analysis. Percent recovery for AR1260 was below QC limits for the water MS/MSD analysis. Percent RPD for AR1016 was slightly outside QC limits for the soil MS/MSD analysis. Percent RPD for AR1016 and AR1260 were outside QC limits for the water MS/MSD analysis.

4. Surrogate DCB recovery was above QC limits on column RTx-CLP for samples AB1011, PBLK6965 and PBLK6965 MS. Surrogate TCX recovery was above QC limits on both columns for sample PBLK6965.

5. Concentrations reported on Form I are the higher values of results generated by two columns. However, the analyst based on the evaluation of quality control parameters determines the most reliable results. Flagged concentrations (*) on Form I indicate that reported results are the lower values.

6. Due to software limitations, some forms were corrected manually.

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Laboratories

CASE NARRATIVE

CLIENT: IT CORPORATION
PROJECT/SITE: PLUMBROOK ORDNANCE WORKS
WORK ORDER(S): 9126
REVIEW DATE: 10/17/00

Explosives

1. Thirteen soil and five water samples were extracted and analyzed for explosive compounds using SW846 method 8330.

2. Matrix spike and matrix spike duplicate analyses were performed on sample AB1008 for the soils, and were shared with GPL work-order 9130 for the waters. Percent recovery of 2,4-DNT in the water MS and MSD were slightly below QC limits. All other target analyte recoveries were within control limits.

3. A laboratory control sample was extracted and analyzed along with each sample matrix batch. All target analyte recoveries were within control limits.

4. There was no surrogate recovered from water sample AB2018. The sample was re-analyzed with similar results.

5. Soil sample AB1009 required a diluted analysis for a high level of TNT.

6. Explosive compounds 2,4-DNT and 2,6-DNT co-elute on the primary column and the confirmation column. The mixture of 2,4-DNT and 2,6-DNT in the LCS and MS/MSD samples is quantitated and reported as 2,4-DNT. A peak detected in the retention time window of 2,4-DNT and 2,6-DNT on both columns will be reported as an isomeric pair in samples under the results for 2,4-DNT.

7. Manual integration was performed on some data files, when automatic integration provided by the software was inappropriate. Some forms were "hand" corrected due to software limitations.

Metals

1. Six water samples and thirteen soil samples were analyzed for HSL metals by EPA SW846 methodologies.

2. The soil and water samples were reported on separate forms.

3. A matrix spike and duplicate were performed on the batch water sample 0009122-10 for all required analytes. A serial dilution was also performed for the ICP analytes. No control limits were applied to the matrix spike for calcium, and magnesium due to an insignificant spike addition.

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Laboratories

CASE NARRATIVE

CLIENT: IT CORPORATION
PROJECT/SITE: PLUMBROOK ORDNANCE WORKS
WORK ORDER(S): 9126
REVIEW DATE: 10/17/00

4. A matrix spike and duplicate were performed on the batch soil sample 0009122-02for all required analytes. A serial dilution was performed also for the ICP analytes. The matrix spike was outside of the control limits for antimony, and potassium; all associated data was flagged with an "N". A post digestion analytical spike was performed with a recovery of 95.8% for antimony. No control limits were applied to the matrix spike for aluminum, calcium, iron, magnesium, and manganese due to an insignificant spike addition. The duplicate was outside of the control limits for calcium; all associated data was flagged with an "*".

5. Calibration standards are verified against independent check standards purchased from a commercial vendor of environmental standards.

6. All GPL QA/QC criteria were met with the exceptions of those mentioned above.

Project Manager

Lab Director

GPL LABORATORIES, LLP
ANALYTICAL RESULTS

Project Name : Plumbrook Ordnance Works

Date Printe October 17, 2000

GPL ID	Client ID
9126-002-04-1/1	AA1001
9126-003-04-1/1	AA1008
9126-004-04-1/1	AB1005
9126-005-04-1/1	AB1007
9126-006-04-1/1	AB1008
9126-007-04-1/1	AB1009
9126-008-04-1/1	AB1010
9126-009-04-1/1	AB1011
9126-010-04-1/1	AB1012
9126-011-04-1/1	AB1013
9126-012-04-1/1	AB1014
9126-013-04-1/1	AB1015
9126-014-04-1/1	AB1018
9126-015-06-1	AB2005
9126-016-06-1	AB2007
9126-017-06-1	AB2008
9126-018-06-1	AB2010
9126-019-06-1	AB2011
9126-020-06-1	AB2018
9126-002-04-1/1	AA1001
9126-002-04-1/1	AA1001
9126-003-04-1/1	AA1008
9126-003-04-1/1	AA1008
9126-004-04-1/1	AB1005
9126-004-04-1/1	AB1005
9126-005-04-1/1	AB1007
9126-005-04-1/1	AB1007
9126-006-04-1/1	AB1008
9126-006-04-1/1	AB1008
9126-007-04-1/1	AB1009
9126-007-04-1/1	AB1009
9126-008-04-1/1	AB1010
9126-008-04-1/1	AB1010
9126-009-04-1/1	AB1011
9126-009-04-1/1	AB1011
9126-010-04-1/1	AB1012
9126-010-04-1/1	AB1012
9126-011-04-1/1	AB1013
9126-011-04-1/1	AB1013
9126-012-04-1/1	AB1014
9126-012-04-1/1	AB1014
9126-013-04-1/1	AB1015
9126-013-04-1/1	AB1015
9126-014-04-1/1	AB1018
9126-014-04-1/1	AB1018
9126-015-06-1	AB2005
9126-016-06-1	AB2007

GPL LABORATORIES, LLP
ANALYTICAL RESULTS

Project Name : Plumbrook Ordnance Works

Date Printe October 17, 2000

GPL ID	Client ID
9126-017-06-1	AB2008
9126-018-06-1	AB2010
9126-019-06-1	AB2011
9126-020-06-1	AB2018
9126-002-04-1/1	AA1001
9126-003-04-1/1	AA1008
9126-004-04-1/1	AB1005
9126-005-04-1/1	AB1007
9126-006-04-1/1	AB1008
9126-007-04-1/1	AB1009
9126-008-04-1/1	AB1010
9126-009-04-1/1	AB1011
9126-010-04-1/1	AB1012
9126-011-04-1/1	AB1013
9126-012-04-1/1	AB1014
9126-013-04-1/1	AB1015
9126-014-04-1/1	AB1018
9126-015-09-1/2	AB2005
9126-016-09-1/2	AB2007
9126-017-09-1/2	AB2008
9126-018-09-1/2	AB2010
9126-019-08-1/2	AB2011
9126-020-09-1/2	AB2018
9126-002-03-1/1	AA1001
9126-003-03-1/1	AA1008
9126-004-03-1/1	AB1005
9126-005-03-1/1	AB1007
9126-006-03-1/1	AB1008
9126-007-03-1/1	AB1009
9126-008-03-1/1	AB1010
9126-009-03-1/1	AB1011
9126-010-03-1/1	AB1012
9126-011-03-1/1	AB1013
9126-012-03-1/1	AB1014
9126-013-03-1/1	AB1015
9126-014-03-1/1	AB1018
9126-002-01-1/2	AA1001
9126-003-01-1/2	AA1008
9126-004-01-1/2	AB1005
9126-005-01-1/2	AB1007
9126-006-01-1/2	AB1008
9126-007-01-1/2	AB1009
9126-008-01-1/2	AB1010
9126-009-01-1/2	AB1011
9126-010-01-1/2	AB1012
9126-011-01-1/2	AB1013
9126-012-01-1/2	AB1014

GPL LABORATORIES, LLP
ANALYTICAL RESULTS

Project Name : Plumbrook Ordnance Works

Date Printe October 17, 2000

GPL ID	Client ID
9126-013-01-1/2	AB1015
9126-014-02-2/2	AB1018
9126-001-01-1/2	09192000-TB
9126-015-01-1/3	AB2005
9126-016-01-1/3	AB2007
9126-017-01-1/3	AB2008
9126-018-01-1/3	AB2010
9126-019-01-1/3	AB2011
9126-020-01-1/3	AB2018
9126-015-07-1/2	AB2005
9126-016-07-1/2	AB2007
9126-017-07-1/2	AB2008
9126-017-07-1/2	AB2008RE
9126-018-07-1/2	AB2010
9126-019-07-1/1	AB2011
9126-020-07-1/2	AB2018
9126-002-03-1/1	AA1001
9126-003-03-1/1	AA1008
9126-004-03-1/1	AB1005
9126-005-03-1/1	AB1007
9126-006-03-1/1	AB1008
9126-007-03-1/1	AB1009
9126-008-03-1/1	AB1010
9126-009-03-1/1	AB1011
9126-010-03-1/1	AB1012
9126-011-03-1/1	AB1013
9126-012-03-1/1	AB1014
9126-013-03-1/1	AB1015
9126-014-03-1/1	AB1018
9126-002-03-1/1	AA1001
9126-003-03-1/1	AA1008
9126-004-03-1/1	AB1005
9126-005-03-1/1	AB1007
9126-006-03-1/1	AB1008
9126-007-03-1/1	AB1009
9126-007-03-1/1	AB1009
9126-008-03-1/1	AB1010
9126-009-03-1/1	AB1011
9126-010-03-1/1	AB1012
9126-011-03-1/1	AB1013
9126-012-03-1/1	AB1014
9126-013-03-1/1	AB1015
9126-014-03-1/1	AB1018
9126-015-04-1/2	AB2005
9126-016-04-1/2	AB2007
9126-017-04-1/2	AB2008
9126-018-04-1/2	AB2010

GPL LABORATORIES, LLP
ANALYTICAL RESULTS

Project Name : Plumbrook Ordnance Works

Date Printe October 17, 2000

GPL ID	Client ID
9126-019-04-1/2	AB2011
9126-020-04-1/2	AB2018

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AA1001
GPL ID: 9126-002-04-1/1
Matrix: Soil
Date Collected: Sep-19-2000
Date Received: Sep-21-2000

Prep Method:
Prep Date:
Prep Time:
Prep Chemist:

Analytical Method: CLP_SOLIDS
Date Analyzed: Sep-22-2000
Time Analyzed 14:40
Analyst: Roya Sabouri

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Percent Solids	71.8	0	%		1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AA1008	Prep Method:	Analytical Method: CLP_SOLIDS
GPL ID: 9126-003-04-1/1	Prep Date:	Date Analyzed: Sep-22-2000
Matrix: Soil	Prep Time:	Time Analyzed 14:40
Date Collected: Sep-19-2000	Prep Chemist:	Analyst: Roya Sabouri
Date Received: Sep-21-2000		

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Percent Solids	73.8	0	%		1

Summary of Analytical Results

Client ID AB1005	Prep Method:	Analytical Method: CLP_SOLIDS
GPL ID: 9126-004-04-1/1	Prep Date:	Date Analyzed: Sep-22-2000
Matrix: Soil	Prep Time:	Time Analyzed 14:40
Date Collected: Sep-19-2000	Prep Chemist:	Analyst: Roya Sabouri
Date Received: Sep-21-2000		

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Percent Solids	68.8	0	%		1

Summary of Analytical Results

Client ID AB1007	Prep Method:	Analytical Method: CLP_SOLIDS
GPL ID: 9126-005-04-1/1	Prep Date:	Date Analyzed: Sep-22-2000
Matrix: Soil	Prep Time:	Time Analyzed 14:40
Date Collected: Sep-19-2000	Prep Chemist:	Analyst: Roya Sabouri
Date Received: Sep-21-2000		

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Percent Solids	79.2	0	%		1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB1008	**Prep Method:**	**Analytical Method: CLP_SOLIDS**
GPL ID: 9126-006-04-1/1	**Prep Date:**	**Date Analyzed: Sep-22-2000**
Matrix: Soil	**Prep Time:**	**Time Analyzed 14:40**
Date Collected: Sep-19-2000	**Prep Chemist:**	**Analyst: Roya Sabouri**
Date Received: Sep-21-2000		

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Percent Solids	79.4	0	%		1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB1009
GPL ID: 9126-007-04-1/1
Matrix: Soil
Date Collected: Sep-19-2000
Date Received: Sep-21-2000

Prep Method:
Prep Date:
Prep Time:
Prep Chemist:

Analytical Method: CLP_SOLIDS
Date Analyzed: Sep-22-2000
Time Analyzed 14:40
Analyst: Roya Sabouri

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Percent Solids	77.7	0	%		1

Summary of Analytical Results

Client ID AB1010	**Prep Method:**	**Analytical Method: CLP_SOLIDS**
GPL ID: 9126-008-04-1/1	**Prep Date:**	**Date Analyzed: Sep-22-2000**
Matrix: Soil	**Prep Time:**	**Time Analyzed 14:40**
Date Collected: Sep-19-2000	**Prep Chemist:**	**Analyst: Roya Sabouri**
Date Received: Sep-21-2000		

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Percent Solids	76.6	0	%		1

Summary of Analytical Results

Client ID AB1011	**Prep Method:**	**Analytical Method: CLP_SOLIDS**
GPL ID: 9126-009-04-1/1	**Prep Date:**	**Date Analyzed: Sep-22-2000**
Matrix: Soil	**Prep Time:**	**Time Analyzed 14:40**
Date Collected: Sep-19-2000	**Prep Chemist:**	**Analyst: Roya Sabouri**
Date Received: Sep-21-2000		

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Percent Solids	74.2	0	%		1

Summary of Analytical Results

Client ID AB1012	Prep Method:	Analytical Method: CLP_SOLIDS
GPL ID: 9126-010-04-1/1	Prep Date:	Date Analyzed: Sep-22-2000
Matrix: Soil	Prep Time:	Time Analyzed 14:40
Date Collected: Sep-19-2000	Prep Chemist:	Analyst: Roya Sabouri
Date Received: Sep-21-2000		

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Percent Solids	77.8	0	%		1

Summary of Analytical Results

Client ID AB1013
GPL ID: 9126-011-04-1/1
Matrix: Soil
Date Collected: Sep-19-2000
Date Received: Sep-21-2000

Prep Method:
Prep Date:
Prep Time:
Prep Chemist:

Analytical Method: CLP_SOLIDS
Date Analyzed: Sep-22-2000
Time Analyzed 14:40
Analyst: Roya Sabouri

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Percent Solids	79.4	0	%		1

Summary of Analytical Results

Client ID AB1014	Prep Method:	Analytical Method: CLP_SOLIDS
GPL ID: 9126-012-04-1/1	Prep Date:	Date Analyzed: Sep-22-2000
Matrix: Soil	Prep Time:	Time Analyzed 14:40
Date Collected: Sep-19-2000	Prep Chemist:	Analyst: Roya Sabouri
Date Received: Sep-21-2000		

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Percent Solids	79.2	0	%		1

Summary of Analytical Results

Client ID AB1015	Prep Method:	Analytical Method: CLP_SOLIDS
GPL ID: 9126-013-04-1/1	Prep Date:	Date Analyzed: Sep-22-2000
Matrix: Soil	Prep Time:	Time Analyzed 14:40
Date Collected: Sep-19-2000	Prep Chemist:	Analyst: Roya Sabouri
Date Received: Sep-21-2000		

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Percent Solids	86.5	0	%		1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB1018	Prep Method:	Analytical Method: CLP_SOLIDS
GPL ID: 9126-014-04-1/1	Prep Date:	Date Analyzed: Sep-22-2000
Matrix: Soil	Prep Time:	Time Analyzed 14:40
Date Collected: Sep-19-2000	Prep Chemist:	Analyst: Roya Sabouri
Date Received: Sep-21-2000		

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Percent Solids	78.0	0	%		1

Summary of Analytical Results

Client ID AB2005
GPL ID: 9126-015-06-1
Matrix: Water
Date Collected: Sep-19-2000
Date Received: Sep-21-2000

Prep Method: SW3010A
Prep Date: Oct-03-2000
Prep Time: 14:21
Prep Chemist: Teshome Tamitre

Analytical Method: SW6010B
Date Analyzed: Oct-04-2000
Time Analyzed 19:12
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	1360	200	ug/L		1
Antimony	BQL	6	ug/L	U	1
Arsenic	BQL	5	ug/L	U	1
Barium	48.2	5	ug/L		1
Beryllium	0.119	1	ug/L	J	1
Cadmium	BQL	3	ug/L	U	1
Calcium	156000	500	ug/L		1
Chromium	2.00	5	ug/L	J	1
Cobalt	2.77	5	ug/L	J	1
Copper	3.00	5	ug/L	J	1
Iron	5540	100	ug/L		1
Lead	BQL	3	ug/L	U	1
Magnesium	33300	250	ug/L		1
Manganese	694	5	ug/L		1
Nickel	2.86	5	ug/L	J	1
Potassium	2050	250	ug/L		1
Selenium	BQL	5	ug/L	U	1
Silver	BQL	3	ug/L	U	1
Sodium	2750	1000	ug/L		1
Thallium	BQL	10	ug/L	U	1
Vanadium	1.73	5	ug/L	J	1
Zinc	21.3	15	ug/L		1

Summary of Analytical Results

Client ID AB2007
GPL ID: 9126-016-06-1
Matrix: Water
Date Collected: Sep-19-2000
Date Received: Sep-21-2000

Prep Method: SW3010A
Prep Date: Oct-03-2000
Prep Time: 14:21
Prep Chemist: Teshome Tamitre

Analytical Method: SW6010B
Date Analyzed: Oct-04-2000
Time Analyzed 19:18
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	543	200	ug/L		1
Antimony	BQL	6	ug/L	U	1
Arsenic	BQL	5	ug/L	U	1
Barium	39.5	5	ug/L		1
Beryllium	0.154	1	ug/L	J	1
Cadmium	2.12	3	ug/L	J	1
Calcium	199000	500	ug/L		1
Chromium	1.16	5	ug/L	J	1
Cobalt	1.23	5	ug/L	J	1
Copper	1.81	5	ug/L	J	1
Iron	1180	100	ug/L		1
Lead	BQL	3	ug/L	U	1
Magnesium	43600	250	ug/L		1
Manganese	392	5	ug/L		1
Nickel	5.48	5	ug/L		1
Potassium	1730	250	ug/L		1
Selenium	3.09	5	ug/L	J	1
Silver	BQL	3	ug/L	U	1
Sodium	5250	1000	ug/L		1
Thallium	BQL	10	ug/L	U	1
Vanadium	1.32	5	ug/L	J	1
Zinc	9.84	15	ug/L	J	1

Summary of Analytical Results

Client ID AB2008
GPL ID: 9126-017-06-1
Matrix: Water
Date Collected: Sep-19-2000
Date Received: Sep-21-2000

Prep Method: SW3010A
Prep Date: Oct-03-2000
Prep Time: 14:21
Prep Chemist: Teshome Tamitre

Analytical Method: SW6010B
Date Analyzed: Oct-04-2000
Time Analyzed 19:41
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	80.9	200	ug/L	J	1
Antimony	BQL	6	ug/L	U	1
Arsenic	BQL	5	ug/L	U	1
Barium	32.2	5	ug/L		1
Beryllium	BQL	1	ug/L	U	1
Cadmium	BQL	3	ug/L	U	1
Calcium	199000	500	ug/L		1
Chromium	BQL	5	ug/L	U	1
Cobalt	BQL	5	ug/L	U	1
Copper	BQL	5	ug/L	U	1
Iron	103	100	ug/L		1
Lead	BQL	3	ug/L	U	1
Magnesium	42200	250	ug/L		1
Manganese	156	5	ug/L		1
Nickel	5.61	5	ug/L		1
Potassium	1300	250	ug/L		1
Selenium	BQL	5	ug/L	U	1
Silver	BQL	3	ug/L	U	1
Sodium	5090	1000	ug/L		1
Thallium	BQL	10	ug/L	U	1
Vanadium	BQL	5	ug/L	U	1
Zinc	4.76	15	ug/L	J	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB2010
GPL ID: 9126-018-06-1
Matrix: Water
Date Collected: Sep-19-2000
Date Received: Sep-21-2000

Prep Method: SW3010A
Prep Date: Oct-03-2000
Prep Time: 14:21
Prep Chemist: Teshome Tamitre

Analytical Method: SW6010B
Date Analyzed: Oct-04-2000
Time Analyzed 19:47
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	152	200	ug/L	J	1
Antimony	BQL	6	ug/L	U	1
Arsenic	BQL	5	ug/L	U	1
Barium	80.4	5	ug/L		1
Beryllium	0.101	1	ug/L	J	1
Cadmium	BQL	3	ug/L	U	1
Calcium	235000	500	ug/L		1
Chromium	BQL	5	ug/L	U	1
Cobalt	BQL	5	ug/L	U	1
Copper	BQL	5	ug/L	U	1
Iron	383	100	ug/L		1
Lead	1.62	3	ug/L	J	1
Magnesium	51700	250	ug/L		1
Manganese	1370	5	ug/L		1
Nickel	BQL	5	ug/L	U	1
Potassium	3100	250	ug/L		1
Selenium	BQL	5	ug/L	U	1
Silver	BQL	3	ug/L	U	1
Sodium	4120	1000	ug/L		1
Thallium	BQL	10	ug/L	U	1
Vanadium	BQL	5	ug/L	U	1
Zinc	27.9	15	ug/L		1

Summary of Analytical Results

Client ID AB2011
GPL ID: 9126-019-06-1
Matrix: Water
Date Collected: Sep-19-2000
Date Received: Sep-21-2000

Prep Method: SW3010A
Prep Date: Oct-03-2000
Prep Time: 14:21
Prep Chemist: Teshome Tamitre

Analytical Method: SW6010B
Date Analyzed: Oct-04-2000
Time Analyzed 19:53
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	815	200	ug/L		1
Antimony	BQL	6	ug/L	U	1
Arsenic	BQL	5	ug/L	U	1
Barium	67.1	5	ug/L		1
Beryllium	0.123	1	ug/L	J	1
Cadmium	BQL	3	ug/L	U	1
Calcium	193000	500	ug/L		1
Chromium	1.01	5	ug/L	J	1
Cobalt	4.40	5	ug/L	J	1
Copper	1.29	5	ug/L	J	1
Iron	1520	100	ug/L		1
Lead	BQL	3	ug/L	U	1
Magnesium	37900	250	ug/L		1
Manganese	3010	5	ug/L		1
Nickel	8.69	5	ug/L		1
Potassium	2820	250	ug/L		1
Selenium	2.78	5	ug/L	J	1
Silver	BQL	3	ug/L	U	1
Sodium	5480	1000	ug/L		1
Thallium	BQL	10	ug/L	U	1
Vanadium	1.98	5	ug/L	J	1
Zinc	17.5	15	ug/L		1

Summary of Analytical Results

Client ID AB2018
GPL ID: 9126-020-06-1
Matrix: Water
Date Collected: Sep-19-2000
Date Received: Sep-21-2000

Prep Method: SW3010A
Prep Date: Oct-03-2000
Prep Time: 14:21
Prep Chemist: Teshome Tamitre

Analytical Method: SW6010B
Date Analyzed: Oct-04-2000
Time Analyzed 19:59
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	226	200	ug/L		1
Antimony	BQL	6	ug/L	U	1
Arsenic	BQL	5	ug/L	U	1
Barium	34.5	5	ug/L		1
Beryllium	0.138	1	ug/L	J	1
Cadmium	BQL	3	ug/L	U	1
Calcium	200000	500	ug/L		1
Chromium	BQL	5	ug/L	U	1
Cobalt	BQL	5	ug/L	U	1
Copper	BQL	5	ug/L	U	1
Iron	360	100	ug/L		1
Lead	BQL	3	ug/L	U	1
Magnesium	43100	250	ug/L		1
Manganese	204	5	ug/L		1
Nickel	9.75	5	ug/L		1
Potassium	1430	250	ug/L		1
Selenium	3.71	5	ug/L	J	1
Silver	BQL	3	ug/L	U	1
Sodium	5140	1000	ug/L		1
Thallium	BQL	10	ug/L	U	1
Vanadium	BQL	5	ug/L	U	1
Zinc	6.07	15	ug/L	J	1

Summary of Analytical Results

Client ID AA1001
GPL ID: 9126-002-04-1/1
Matrix: Soil
Date Collected: Sep-19-2000
Date Received: Sep-21-2000

Prep Method: SW3050B
Prep Date: Oct-16-2000
Prep Time: 16:03
Prep Chemist: Simina Lal

Analytical Method: SW6010B
Date Analyzed: Oct-11-2000
Time Analyzed 21:37
Analyst: Teshome Tamitre

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Antimony	BQL	1.56	mg/kg	U	2
Arsenic	4.97	1.3	mg/kg		2
Barium	24.7	1.3	mg/kg		2
Beryllium	0.172	0.26	mg/kg	J	2
Cadmium	0.372	0.781	mg/kg	J	2
Calcium	64900	130	mg/kg		2
Chromium	8.08	1.3	mg/kg		2
Cobalt	2.90	1.3	mg/kg		2
Copper	7.68	1.3	mg/kg		2
Iron	13200	26	mg/kg		2
Lead	13.1	0.781	mg/kg		2
Magnesium	9510	65.1	mg/kg		2
Manganese	169	1.3	mg/kg		2
Nickel	7.22	1.3	mg/kg		2
Potassium	524	65.1	mg/kg		2
Selenium	BQL	1.3	mg/kg	U	2
Silver	BQL	0.781	mg/kg	U	2
Sodium	252	260	mg/kg	J	2
Thallium	BQL	2.6	mg/kg	U	2
Vanadium	15.3	1.3	mg/kg		2
Zinc	18.4	3.9	mg/kg		2

Summary of Analytical Results

Client ID AA1001
GPL ID: 9126-002-04-1/1
Matrix: Soil
Date Collected: Sep-19-2000
Date Received: Sep-21-2000

Prep Method: SW3050B
Prep Date: Oct-06-2000
Prep Time: 15:11
Prep Chemist: Teshome Tamitre

Analytical Method: SW6010B
Date Analyzed: Oct-10-2000
Time Analyzed 00:15
Analyst: Teshome Tamitre

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	3020	54.6	mg/kg		2

Summary of Analytical Results

Client ID AA1008
GPL ID: 9126-003-04-1/1
Matrix: Soil
Date Collected: Sep-19-2000
Date Received: Sep-21-2000

Prep Method: SW3050B
Prep Date: Oct-16-2000
Prep Time: 16:03
Prep Chemist: Simina Lal

Analytical Method: SW6010B
Date Analyzed: Oct-11-2000
Time Analyzed 21:45
Analyst: Teshome Tamitre

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Antimony	BQL	1.49	mg/kg	U	2
Arsenic	3.30	1.24	mg/kg		2
Barium	60.7	1.24	mg/kg		2
Beryllium	0.870	0.249	mg/kg		2
Cadmium	0.551	0.746	mg/kg	J	2
Calcium	5490	124	mg/kg		2
Chromium	24.1	1.24	mg/kg		2
Cobalt	9.17	1.24	mg/kg		2
Copper	9.17	1.24	mg/kg		2
Iron	19000	24.9	mg/kg		2
Lead	9.00	0.746	mg/kg		2
Magnesium	3430	62.1	mg/kg		2
Manganese	149	1.24	mg/kg		2
Nickel	26.2	1.24	mg/kg		2
Potassium	2170	62.1	mg/kg		2
Selenium	0.851	1.24	mg/kg	J	2
Silver	BQL	0.746	mg/kg	U	2
Sodium	177	249	mg/kg	J	2
Thallium	BQL	2.49	mg/kg	U	2
Vanadium	29.4	1.24	mg/kg		2
Zinc	55.7	3.73	mg/kg		2

Summary of Analytical Results

Client ID AA1008
GPL ID: 9126-003-04-1/1
Matrix: Soil
Date Collected: Sep-19-2000
Date Received: Sep-21-2000

Prep Method: SW3050B
Prep Date: Oct-06-2000
Prep Time: 15:11
Prep Chemist: Teshome Tamitre

Analytical Method: SW6010B
Date Analyzed: Oct-10-2000
Time Analyzed 00:21
Analyst: Teshome Tamitre

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	14300	52.6	mg/kg		2

Summary of Analytical Results

Client ID AB1005
GPL ID: 9126-004-04-1/1
Matrix: Soil
Date Collected: Sep-19-2000
Date Received: Sep-21-2000

Prep Method: SW3050B
Prep Date: Oct-16-2000
Prep Time: 16:03
Prep Chemist: Simina Lal

Analytical Method: SW6010B
Date Analyzed: Oct-11-2000
Time Analyzed 21:53
Analyst: Teshome Tamitre

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Antimony	BQL	1.6	mg/kg	U	2
Arsenic	10.7	1.33	mg/kg		2
Barium	61.9	1.33	mg/kg		2
Beryllium	0.774	0.267	mg/kg		2
Cadmium	0.907	0.801	mg/kg		2
Calcium	73300	133	mg/kg		2
Chromium	13.8	1.33	mg/kg		2
Cobalt	11.9	1.33	mg/kg		2
Copper	35.9	1.33	mg/kg		2
Iron	26800	26.7	mg/kg		2
Lead	24.9	0.801	mg/kg		2
Magnesium	3180	66.7	mg/kg		2
Manganese	405	1.33	mg/kg		2
Nickel	45.5	1.33	mg/kg		2
Potassium	3310	66.7	mg/kg		2
Selenium	2.23	1.33	mg/kg		2
Silver	BQL	0.801	mg/kg	U	2
Sodium	272	267	mg/kg		2
Thallium	BQL	2.67	mg/kg	U	2
Vanadium	17.6	1.33	mg/kg		2
Zinc	105	4	mg/kg		2

Summary of Analytical Results

Client ID AB1005
GPL ID: 9126-004-04-1/1
Matrix: Soil
Date Collected: Sep-19-2000
Date Received: Sep-21-2000

Prep Method: SW3050B
Prep Date: Oct-06-2000
Prep Time: 15:11
Prep Chemist: Teshome Tamitre

Analytical Method: SW6010B
Date Analyzed: Oct-10-2000
Time Analyzed 00:27
Analyst: Teshome Tamitre

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	7520	55.4	mg/kg		2

Summary of Analytical Results

Client ID AB1007
GPL ID: 9126-005-04-1/1
Matrix: Soil
Date Collected: Sep-19-2000
Date Received: Sep-21-2000

Prep Method: SW3050B
Prep Date: Oct-16-2000
Prep Time: 16:03
Prep Chemist: Simina Lal

Analytical Method: SW6010B
Date Analyzed: Oct-11-2000
Time Analyzed 22:01
Analyst: Teshome Tamitre

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Antimony	BQL	1.46	mg/kg	U	2
Arsenic	10.3	1.21	mg/kg		2
Barium	65.9	1.21	mg/kg		2
Beryllium	0.613	0.243	mg/kg		2
Cadmium	0.801	0.729	mg/kg		2
Calcium	83600	121	mg/kg		2
Chromium	16.6	1.21	mg/kg		2
Cobalt	11.4	1.21	mg/kg		2
Copper	25.5	1.21	mg/kg		2
Iron	26000	24.3	mg/kg		2
Lead	14.4	0.729	mg/kg		2
Magnesium	8230	60.7	mg/kg		2
Manganese	516	1.21	mg/kg		2
Nickel	31.3	1.21	mg/kg		2
Potassium	2680	60.7	mg/kg		2
Selenium	0.945	1.21	mg/kg	J	2
Silver	BQL	0.729	mg/kg	U	2
Sodium	239	243	mg/kg	J	2
Thallium	BQL	2.43	mg/kg	U	2
Vanadium	20.1	1.21	mg/kg		2
Zinc	71.9	3.64	mg/kg		2

Summary of Analytical Results

Client ID AB1007
GPL ID: 9126-005-04-1/1
Matrix: Soil
Date Collected: Sep-19-2000
Date Received: Sep-21-2000

Prep Method: SW3050B
Prep Date: Oct-06-2000
Prep Time: 15:11
Prep Chemist: Teshome Tamitre

Analytical Method: SW6010B
Date Analyzed: Oct-10-2000
Time Analyzed 00:58
Analyst: Teshome Tamitre

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	7160	48.6	mg/kg		2

Summary of Analytical Results

Client ID AB1008
GPL ID: 9126-006-04-1/1
Matrix: Soil
Date Collected: Sep-19-2000
Date Received: Sep-21-2000

Prep Method: SW3050B
Prep Date: Oct-16-2000
Prep Time: 16:03
Prep Chemist: Simina Lal

Analytical Method: SW6010B
Date Analyzed: Oct-11-2000
Time Analyzed 22:09
Analyst: Teshome Tamitre

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Antimony	BQL	1.4	mg/kg	U	2
Arsenic	4.13	1.17	mg/kg		2
Barium	32.4	1.17	mg/kg		2
Beryllium	0.210	0.233	mg/kg	J	2
Cadmium	0.371	0.7	mg/kg	J	2
Calcium	6480	117	mg/kg		2
Chromium	8.73	1.17	mg/kg		2
Cobalt	4.70	1.17	mg/kg		2
Copper	9.70	1.17	mg/kg		2
Iron	12900	23.3	mg/kg		2
Lead	14.0	0.7	mg/kg		2
Magnesium	1790	58.3	mg/kg		2
Manganese	239	1.17	mg/kg		2
Nickel	14.6	1.17	mg/kg		2
Potassium	943	58.3	mg/kg		2
Selenium	BQL	1.17	mg/kg	U	2
Silver	BQL	0.7	mg/kg	U	2
Sodium	160	233	mg/kg	J	2
Thallium	BQL	2.33	mg/kg	U	2
Vanadium	14.2	1.17	mg/kg		2
Zinc	33.0	3.5	mg/kg		2

Summary of Analytical Results

Client ID AB1008
GPL ID: 9126-006-04-1/1
Matrix: Soil
Date Collected: Sep-19-2000
Date Received: Sep-21-2000

Prep Method: SW3050B
Prep Date: Oct-06-2000
Prep Time: 15:11
Prep Chemist: Teshome Tamitre

Analytical Method: SW6010B
Date Analyzed: Oct-10-2000
Time Analyzed 01:04
Analyst: Teshome Tamitre

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	4610	46.2	mg/kg		2

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB1009
GPL ID: 9126-007-04-1/1
Matrix: Soil
Date Collected: Sep-19-2000
Date Received: Sep-21-2000

Prep Method: SW3050B
Prep Date: Oct-16-2000
Prep Time: 16:03
Prep Chemist: Simina Lal

Analytical Method: SW6010B
Date Analyzed: Oct-11-2000
Time Analyzed 22:17
Analyst: Teshome Tamitre

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Antimony	BQL	1.43	mg/kg	U	2
Arsenic	12.6	1.19	mg/kg		2
Barium	84.9	1.19	mg/kg		2
Beryllium	0.498	0.238	mg/kg		2
Cadmium	0.675	0.715	mg/kg	J	2
Calcium	14300	119	mg/kg		2
Chromium	12.3	1.19	mg/kg		2
Cobalt	14.0	1.19	mg/kg		2
Copper	23.8	1.19	mg/kg		2
Iron	21200	23.8	mg/kg		2
Lead	46.2	0.715	mg/kg		2
Magnesium	2660	59.6	mg/kg		2
Manganese	1230	1.19	mg/kg		2
Nickel	29.1	1.19	mg/kg		2
Potassium	1240	59.6	mg/kg		2
Selenium	BQL	1.19	mg/kg	U	2
Silver	BQL	0.715	mg/kg	U	2
Sodium	190	238	mg/kg	J	2
Thallium	BQL	2.38	mg/kg	U	2
Vanadium	21.3	1.19	mg/kg		2
Zinc	61.3	3.58	mg/kg		2

Summary of Analytical Results

Client ID AB1009
GPL ID: 9126-007-04-1/1
Matrix: Soil
Date Collected: Sep-19-2000
Date Received: Sep-21-2000

Prep Method: SW3050B
Prep Date: Oct-06-2000
Prep Time: 15:11
Prep Chemist: Teshome Tamitre

Analytical Method: SW6010B
Date Analyzed: Oct-10-2000
Time Analyzed 01:10
Analyst: Teshome Tamitre

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	9210	50	mg/kg		2

Summary of Analytical Results

Client ID AB1010
GPL ID: 9126-008-04-1/1
Matrix: Soil
Date Collected: Sep-19-2000
Date Received: Sep-21-2000

Prep Method: SW3050B
Prep Date: Oct-16-2000
Prep Time: 16:03
Prep Chemist: Simina Lal

Analytical Method: SW6010B
Date Analyzed: Oct-11-2000
Time Analyzed 22:25
Analyst: Teshome Tamitre

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Antimony	BQL	1.46	mg/kg	U	2
Arsenic	12.2	1.22	mg/kg		2
Barium	52.3	1.22	mg/kg		2
Beryllium	0.657	0.244	mg/kg		2
Cadmium	0.673	0.732	mg/kg	J	2
Calcium	4090	122	mg/kg		2
Chromium	18.3	1.22	mg/kg		2
Cobalt	9.83	1.22	mg/kg		2
Copper	24.0	1.22	mg/kg		2
Iron	27900	24.4	mg/kg		2
Lead	15.0	0.732	mg/kg		2
Magnesium	3700	61	mg/kg		2
Manganese	428	1.22	mg/kg		2
Nickel	29.9	1.22	mg/kg		2
Potassium	2300	61	mg/kg		2
Selenium	2.20	1.22	mg/kg		2
Silver	BQL	0.732	mg/kg	U	2
Sodium	201	244	mg/kg	J	2
Thallium	BQL	2.44	mg/kg	U	2
Vanadium	24.8	1.22	mg/kg		2
Zinc	83.4	3.66	mg/kg		2

Summary of Analytical Results

Client ID AB1010
GPL ID: 9126-008-04-1/1
Matrix: Soil
Date Collected: Sep-19-2000
Date Received: Sep-21-2000

Prep Method: SW3050B
Prep Date: Oct-06-2000
Prep Time: 15:11
Prep Chemist: Teshome Tamitre

Analytical Method: SW6010B
Date Analyzed: Oct-10-2000
Time Analyzed 01:16
Analyst: Teshome Tamitre

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	11300	47.9	mg/kg		2

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB1011
GPL ID: 9126-009-04-1/1
Matrix: Soil
Date Collected: Sep-19-2000
Date Received: Sep-21-2000

Prep Method: SW3050B
Prep Date: Oct-16-2000
Prep Time: 16:03
Prep Chemist: Simina Lal

Analytical Method: SW6010B
Date Analyzed: Oct-11-2000
Time Analyzed 22:33
Analyst: Teshome Tamitre

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Antimony	BQL	1.51	mg/kg	U	2
Arsenic	BQL	1.26	mg/kg	U	2
Barium	15.3	1.26	mg/kg		2
Beryllium	0.128	0.252	mg/kg	J	2
Cadmium	0.144	0.756	mg/kg	J	2
Calcium	1320	126	mg/kg		2
Chromium	4.05	1.26	mg/kg		2
Cobalt	3.44	1.26	mg/kg		2
Copper	3.22	1.26	mg/kg		2
Iron	5320	25.2	mg/kg		2
Lead	2.83	0.756	mg/kg		2
Magnesium	528	63	mg/kg		2
Manganese	116	1.26	mg/kg		2
Nickel	7.53	1.26	mg/kg		2
Potassium	284	63	mg/kg		2
Selenium	BQL	1.26	mg/kg	U	2
Silver	BQL	0.756	mg/kg	U	2
Sodium	193	252	mg/kg	J	2
Thallium	BQL	2.52	mg/kg	U	2
Vanadium	6.93	1.26	mg/kg		2
Zinc	14.5	3.78	mg/kg		2

Summary of Analytical Results

Client ID AB1011
GPL ID: 9126-009-04-1/1
Matrix: Soil
Date Collected: Sep-19-2000
Date Received: Sep-21-2000

Prep Method: SW3050B
Prep Date: Oct-06-2000
Prep Time: 15:11
Prep Chemist: Teshome Tamitre

Analytical Method: SW6010B
Date Analyzed: Oct-10-2000
Time Analyzed 01:22
Analyst: Teshome Tamitre

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	1600	50.9	mg/kg		2

Summary of Analytical Results

Client ID AB1012
GPL ID: 9126-010-04-1/1
Matrix: Soil
Date Collected: Sep-19-2000
Date Received: Sep-21-2000

Prep Method: SW3050B
Prep Date: Oct-16-2000
Prep Time: 16:03
Prep Chemist: Simina Lal

Analytical Method: SW6010B
Date Analyzed: Oct-11-2000
Time Analyzed 22:52
Analyst: Teshome Tamitre

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Antimony	BQL	1.54	mg/kg	U	2
Arsenic	2.41	1.29	mg/kg		2
Barium	22.6	1.29	mg/kg		2
Beryllium	0.165	0.257	mg/kg	J	2
Cadmium	0.303	0.771	mg/kg	J	2
Calcium	5430	129	mg/kg		2
Chromium	5.25	1.29	mg/kg		2
Cobalt	2.65	1.29	mg/kg		2
Copper	8.31	1.29	mg/kg		2
Iron	7890	25.7	mg/kg		2
Lead	8.66	0.771	mg/kg		2
Magnesium	1060	64.3	mg/kg		2
Manganese	58.9	1.29	mg/kg		2
Nickel	6.36	1.29	mg/kg		2
Potassium	413	64.3	mg/kg		2
Selenium	1.46	1.29	mg/kg		2
Silver	BQL	0.771	mg/kg	U	2
Sodium	211	257	mg/kg	J	2
Thallium	BQL	2.57	mg/kg	U	2
Vanadium	13.8	1.29	mg/kg		2
Zinc	21.8	3.86	mg/kg		2

Summary of Analytical Results

Client ID AB1012
GPL ID: 9126-010-04-1/1
Matrix: Soil
Date Collected: Sep-19-2000
Date Received: Sep-21-2000

Prep Method: SW3050B
Prep Date: Oct-06-2000
Prep Time: 15:11
Prep Chemist: Teshome Tamitre

Analytical Method: SW6010B
Date Analyzed: Oct-10-2000
Time Analyzed 01:28
Analyst: Teshome Tamitre

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	2900	48.5	mg/kg		2

Summary of Analytical Results

Client ID AB1013
GPL ID: 9126-011-04-1/1
Matrix: Soil
Date Collected: Sep-19-2000
Date Received: Sep-21-2000

Prep Method: SW3050B
Prep Date: Oct-16-2000
Prep Time: 16:03
Prep Chemist: Simina Lal

Analytical Method: SW6010B
Date Analyzed: Oct-11-2000
Time Analyzed 22:59
Analyst: Teshome Tamitre

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Antimony	BQL	1.39	mg/kg	U	2
Arsenic	9.37	1.16	mg/kg		2
Barium	52.8	1.16	mg/kg		2
Beryllium	0.413	0.231	mg/kg		2
Cadmium	0.754	0.694	mg/kg		2
Calcium	3180	116	mg/kg		2
Chromium	12.5	1.16	mg/kg		2
Cobalt	8.64	1.16	mg/kg		2
Copper	12.0	1.16	mg/kg		2
Iron	24400	23.1	mg/kg		2
Lead	8.24	0.694	mg/kg		2
Magnesium	1980	57.8	mg/kg		2
Manganese	656	1.16	mg/kg		2
Nickel	22.5	1.16	mg/kg		2
Potassium	1010	57.8	mg/kg		2
Selenium	0.953	1.16	mg/kg	J	2
Silver	BQL	0.694	mg/kg	U	2
Sodium	195	231	mg/kg	J	2
Thallium	BQL	2.31	mg/kg	U	2
Vanadium	21.2	1.16	mg/kg		2
Zinc	43.9	3.47	mg/kg		2

Summary of Analytical Results

Client ID AB1013
GPL ID: 9126-011-04-1/1
Matrix: Soil
Date Collected: Sep-19-2000
Date Received: Sep-21-2000

Prep Method: SW3050B
Prep Date: Oct-06-2000
Prep Time: 15:11
Prep Chemist: Teshome Tamitre

Analytical Method: SW6010B
Date Analyzed: Oct-10-2000
Time Analyzed 01:34
Analyst: Teshome Tamitre

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	6310	47.5	mg/kg		2

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB1014
GPL ID: 9126-012-04-1/1
Matrix: Soil
Date Collected: Sep-19-2000
Date Received: Sep-21-2000

Prep Method: SW3050B
Prep Date: Oct-16-2000
Prep Time: 16:03
Prep Chemist: Simina Lal

Analytical Method: SW6010B
Date Analyzed: Oct-11-2000
Time Analyzed 23:07
Analyst: Teshome Tamitre

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Antimony	BQL	1.44	mg/kg	U	2
Arsenic	1.14	1.2	mg/kg	J	2
Barium	84.3	1.2	mg/kg		2
Beryllium	BQL	0.24	mg/kg	U	2
Cadmium	0.297	0.721	mg/kg	J	2
Calcium	1760	120	mg/kg		2
Chromium	5.24	1.2	mg/kg		2
Cobalt	0.871	1.2	mg/kg	J	2
Copper	2.49	1.2	mg/kg		2
Iron	9180	24	mg/kg		2
Lead	52.5	0.721	mg/kg		2
Magnesium	297	60.1	mg/kg		2
Manganese	53.4	1.2	mg/kg		2
Nickel	2.23	1.2	mg/kg		2
Potassium	155	60.1	mg/kg		2
Selenium	0.904	1.2	mg/kg	J	2
Silver	BQL	0.721	mg/kg	U	2
Sodium	187	240	mg/kg	J	2
Thallium	BQL	2.4	mg/kg	U	2
Vanadium	18.1	1.2	mg/kg		2
Zinc	11.1	3.61	mg/kg		2

Summary of Analytical Results

Client ID AB1014
GPL ID: 9126-012-04-1/1
Matrix: Soil
Date Collected: Sep-19-2000
Date Received: Sep-21-2000

Prep Method: SW3050B
Prep Date: Oct-06-2000
Prep Time: 15:11
Prep Chemist: Teshome Tamitre

Analytical Method: SW6010B
Date Analyzed: Oct-10-2000
Time Analyzed 01:40
Analyst: Teshome Tamitre

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	1200	48	mg/kg		2

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB1015
GPL ID: 9126-013-04-1/1
Matrix: Soil
Date Collected: Sep-19-2000
Date Received: Sep-21-2000

Prep Method: SW3050B
Prep Date: Oct-16-2000
Prep Time: 16:03
Prep Chemist: Simina Lal

Analytical Method: SW6010B
Date Analyzed: Oct-11-2000
Time Analyzed 23:15
Analyst: Teshome Tamitre

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Antimony	BQL	1.33	mg/kg	U	2
Arsenic	2.39	1.11	mg/kg		2
Barium	21.0	1.11	mg/kg		2
Beryllium	0.101	0.222	mg/kg	J	2
Cadmium	0.254	0.667	mg/kg	J	2
Calcium	1610	111	mg/kg		2
Chromium	5.15	1.11	mg/kg		2
Cobalt	1.31	1.11	mg/kg		2
Copper	6.35	1.11	mg/kg		2
Iron	6240	22.2	mg/kg		2
Lead	24.4	0.667	mg/kg		2
Magnesium	532	55.6	mg/kg		2
Manganese	37.3	1.11	mg/kg		2
Nickel	4.14	1.11	mg/kg		2
Potassium	341	55.6	mg/kg		2
Selenium	1.16	1.11	mg/kg		2
Silver	BQL	0.667	mg/kg	U	2
Sodium	180	222	mg/kg	J	2
Thallium	BQL	2.22	mg/kg	U	2
Vanadium	9.86	1.11	mg/kg		2
Zinc	17.8	3.34	mg/kg		2

Summary of Analytical Results

Client ID AB1015
GPL ID: 9126-013-04-1/1
Matrix: Soil
Date Collected: Sep-19-2000
Date Received: Sep-21-2000

Prep Method: SW3050B
Prep Date: Oct-06-2000
Prep Time: 15:11
Prep Chemist: Teshome Tamitre

Analytical Method: SW6010B
Date Analyzed: Oct-10-2000
Time Analyzed 01:46
Analyst: Teshome Tamitre

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	2510	44.5	mg/kg		2

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB1018
GPL ID: 9126-014-04-1/1
Matrix: Soil
Date Collected: Sep-19-2000
Date Received: Sep-21-2000

Prep Method: SW3050B
Prep Date: Oct-16-2000
Prep Time: 16:03
Prep Chemist: Simina Lal

Analytical Method: SW6010B
Date Analyzed: Oct-11-2000
Time Analyzed 23:22
Analyst: Teshome Tamitre

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Antimony	BQL	1.47	mg/kg	U	2
Arsenic	5.75	1.22	mg/kg		2
Barium	31.8	1.22	mg/kg		2
Beryllium	0.283	0.244	mg/kg		2
Cadmium	0.553	0.733	mg/kg	J	2
Calcium	14100	122	mg/kg		2
Chromium	10.3	1.22	mg/kg		2
Cobalt	6.01	1.22	mg/kg		2
Copper	13.9	1.22	mg/kg		2
Iron	16400	24.4	mg/kg		2
Lead	13.9	0.733	mg/kg		2
Magnesium	3990	61.1	mg/kg		2
Manganese	302	1.22	mg/kg		2
Nickel	16.6	1.22	mg/kg		2
Potassium	1290	61.1	mg/kg		2
Selenium	BQL	1.22	mg/kg	U	2
Silver	BQL	0.733	mg/kg	U	2
Sodium	221	244	mg/kg	J	2
Thallium	BQL	2.44	mg/kg	U	2
Vanadium	15.3	1.22	mg/kg		2
Zinc	40.5	3.66	mg/kg		2

Summary of Analytical Results

Client ID AB1018
GPL ID: 9126-014-04-1/1
Matrix: Soil
Date Collected: Sep-19-2000
Date Received: Sep-21-2000

Prep Method: SW3050B
Prep Date: Oct-06-2000
Prep Time: 15:11
Prep Chemist: Teshome Tamitre

Analytical Method: SW6010B
Date Analyzed: Oct-10-2000
Time Analyzed 01:52
Analyst: Teshome Tamitre

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	4530	50.3	mg/kg		2

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB2005
GPL ID: 9126-015-06-1
Matrix: Water
Date Collected: Sep-19-2000
Date Received: Sep-21-2000

Prep Method: SW7470A_DIG
Prep Date: Oct-06-2000
Prep Time: 14:00
Prep Chemist: Kelvin Choi

Analytical Method: SW7470A
Date Analyzed: Oct-09-2000
Time Analyzed 11:33
Analyst: Kelvin Choi

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	BQL	0.2	ug/L	U	1

Summary of Analytical Results

Client ID AB2007
GPL ID: 9126-016-06-1
Matrix: Water
Date Collected: Sep-19-2000
Date Received: Sep-21-2000

Prep Method: SW7470A_DIG
Prep Date: Oct-06-2000
Prep Time: 14:00
Prep Chemist: Kelvin Choi

Analytical Method: SW7470A
Date Analyzed: Oct-09-2000
Time Analyzed 11:36
Analyst: Kelvin Choi

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	BQL	0.2	ug/L	U	1

Summary of Analytical Results

Client ID AB2008
GPL ID: 9126-017-06-1
Matrix: Water
Date Collected: Sep-19-2000
Date Received: Sep-21-2000

Prep Method: SW7470A_DIG
Prep Date: Oct-06-2000
Prep Time: 14:00
Prep Chemist: Kelvin Choi

Analytical Method: SW7470A
Date Analyzed: Oct-09-2000
Time Analyzed 11:39
Analyst: Kelvin Choi

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	BQL	0.2	ug/L	U	1

Summary of Analytical Results

Client ID AB2010
GPL ID: 9126-018-06-1
Matrix: Water
Date Collected: Sep-19-2000
Date Received: Sep-21-2000

Prep Method: SW7470A_DIG
Prep Date: Oct-06-2000
Prep Time: 14:00
Prep Chemist: Kelvin Choi

Analytical Method: SW7470A
Date Analyzed: Oct-09-2000
Time Analyzed 11:41
Analyst: Kelvin Choi

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	BQL	0.2	ug/L	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB2011
GPL ID: 9126-019-06-1
Matrix: Water
Date Collected: Sep-19-2000
Date Received: Sep-21-2000

Prep Method: SW7470A_DIG
Prep Date: Oct-06-2000
Prep Time: 14:00
Prep Chemist: Kelvin Choi

Analytical Method: SW7470A
Date Analyzed: Oct-09-2000
Time Analyzed 11:44
Analyst: Kelvin Choi

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	BQL	0.2	ug/L	U	1

Summary of Analytical Results

Client ID AB2018
GPL ID: 9126-020-06-1
Matrix: Water
Date Collected: Sep-19-2000
Date Received: Sep-21-2000

Prep Method: SW7470A_DIG
Prep Date: Oct-06-2000
Prep Time: 14:00
Prep Chemist: Kelvin Choi

Analytical Method: SW7470A
Date Analyzed: Oct-09-2000
Time Analyzed 11:46
Analyst: Kelvin Choi

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	BQL	0.2	ug/L	U	1

Summary of Analytical Results

Client ID AA1001
GPL ID: 9126-002-04-1/1
Matrix: Soil
Date Collected: Sep-19-2000
Date Received: Sep-21-2000

Prep Method: SW7471_DIG
Prep Date: Oct-05-2000
Prep Time: 11:30
Prep Chemist: Kelvin Choi

Analytical Method: SW7471A
Date Analyzed: Oct-06-2000
Time Analyzed 11:57
Analyst: Kelvin Choi

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	0.036	0.046	mg/kg	J	1

Summary of Analytical Results

Client ID AA1008
GPL ID: 9126-003-04-1/1
Matrix: Soil
Date Collected: Sep-19-2000
Date Received: Sep-21-2000

Prep Method: SW7471_DIG
Prep Date: Oct-05-2000
Prep Time: 11:30
Prep Chemist: Kelvin Choi

Analytical Method: SW7471A
Date Analyzed: Oct-06-2000
Time Analyzed 12:00
Analyst: Kelvin Choi

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	0.207	0.041	mg/kg		1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB1005
GPL ID: 9126-004-04-1/1
Matrix: Soil
Date Collected: Sep-19-2000
Date Received: Sep-21-2000

Prep Method: SW7471_DIG
Prep Date: Oct-05-2000
Prep Time: 11:30
Prep Chemist: Kelvin Choi

Analytical Method: SW7471A
Date Analyzed: Oct-06-2000
Time Analyzed 12:02
Analyst: Kelvin Choi

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	0.037	0.037	mg/kg		1

Summary of Analytical Results

Client ID AB1007
GPL ID: 9126-005-04-1/1
Matrix: Soil
Date Collected: Sep-19-2000
Date Received: Sep-21-2000

Prep Method: SW7471_DIG
Prep Date: Oct-05-2000
Prep Time: 11:30
Prep Chemist: Kelvin Choi

Analytical Method: SW7471A
Date Analyzed: Oct-06-2000
Time Analyzed 12:05
Analyst: Kelvin Choi

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	BQL	0.039	mg/kg	U	1

Summary of Analytical Results

Client ID AB1008
GPL ID: 9126-006-04-1/1
Matrix: Soil
Date Collected: Sep-19-2000
Date Received: Sep-21-2000

Prep Method: SW7471_DIG
Prep Date: Oct-05-2000
Prep Time: 11:30
Prep Chemist: Kelvin Choi

Analytical Method: SW7471A
Date Analyzed: Oct-06-2000
Time Analyzed 12:08
Analyst: Kelvin Choi

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	0.023	0.029	mg/kg	J	1

Summary of Analytical Results

Client ID AB1009
GPL ID: 9126-007-04-1/1
Matrix: Soil
Date Collected: Sep-19-2000
Date Received: Sep-21-2000

Prep Method: SW7471_DIG
Prep Date: Oct-05-2000
Prep Time: 11:30
Prep Chemist: Kelvin Choi

Analytical Method: SW7471A
Date Analyzed: Oct-06-2000
Time Analyzed 12:10
Analyst: Kelvin Choi

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	0.156	0.041	mg/kg		1

Summary of Analytical Results

Client ID AB1010
GPL ID: 9126-008-04-1/1
Matrix: Soil
Date Collected: Sep-19-2000
Date Received: Sep-21-2000

Prep Method: SW7471_DIG
Prep Date: Oct-05-2000
Prep Time: 11:30
Prep Chemist: Kelvin Choi

Analytical Method: SW7471A
Date Analyzed: Oct-06-2000
Time Analyzed 12:13
Analyst: Kelvin Choi

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	BQL	0.039	mg/kg	U	1

Summary of Analytical Results

Client ID AB1011
GPL ID: 9126-009-04-1/1
Matrix: Soil
Date Collected: Sep-19-2000
Date Received: Sep-21-2000

Prep Method: SW7471_DIG
Prep Date: Oct-05-2000
Prep Time: 11:30
Prep Chemist: Kelvin Choi

Analytical Method: SW7471A
Date Analyzed: Oct-06-2000
Time Analyzed 12:16
Analyst: Kelvin Choi

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	BQL	0.042	mg/kg	U	1

Summary of Analytical Results

Client ID AB1012
GPL ID: 9126-010-04-1/1
Matrix: Soil
Date Collected: Sep-19-2000
Date Received: Sep-21-2000

Prep Method: SW7471_DIG
Prep Date: Oct-05-2000
Prep Time: 11:30
Prep Chemist: Kelvin Choi

Analytical Method: SW7471A
Date Analyzed: Oct-06-2000
Time Analyzed 12:18
Analyst: Kelvin Choi

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	BQL	0.037	mg/kg	U	1

Summary of Analytical Results

Client ID AB1013
GPL ID: 9126-011-04-1/1
Matrix: Soil
Date Collected: Sep-19-2000
Date Received: Sep-21-2000

Prep Method: SW7471_DIG
Prep Date: Oct-05-2000
Prep Time: 11:30
Prep Chemist: Kelvin Choi

Analytical Method: SW7471A
Date Analyzed: Oct-06-2000
Time Analyzed 12:21
Analyst: Kelvin Choi

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	0.040	0.04	mg/kg		1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB1014
GPL ID: 9126-012-04-1/1
Matrix: Soil
Date Collected: Sep-19-2000
Date Received: Sep-21-2000

Prep Method: SW7471_DIG
Prep Date: Oct-05-2000
Prep Time: 11:30
Prep Chemist: Kelvin Choi

Analytical Method: SW7471A
Date Analyzed: Oct-06-2000
Time Analyzed 12:29
Analyst: Kelvin Choi

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	0.146	0.041	mg/kg		1

Summary of Analytical Results

Client ID AB1015
GPL ID: 9126-013-04-1/1
Matrix: Soil
Date Collected: Sep-19-2000
Date Received: Sep-21-2000

Prep Method: SW7471_DIG
Prep Date: Oct-05-2000
Prep Time: 11:30
Prep Chemist: Kelvin Choi

Analytical Method: SW7471A
Date Analyzed: Oct-06-2000
Time Analyzed 12:32
Analyst: Kelvin Choi

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	0.034	0.038	mg/kg	J	1

Summary of Analytical Results

Client ID AB1018	**Prep Method: SW7471_DIG**	**Analytical Method: SW7471A**
GPL ID: 9126-014-04-1/1	**Prep Date: Oct-05-2000**	**Date Analyzed: Oct-06-2000**
Matrix: Soil	**Prep Time: 11:30**	**Time Analyzed 12:34**
Date Collected: Sep-19-2000	**Prep Chemist: Kelvin Choi**	**Analyst: Kelvin Choi**
Date Received: Sep-21-2000		

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	BQL	0.04	mg/kg	U	1

TOTAL METALS

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BLANKS

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 09126S

Preparation Blank Matrix (soil/water): SOIL

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Aluminum	55.2	U	55.2	U	55.2	U	55.2	U	10.940	B	P
Mercury	0.1	U	0.1	U	0.1	U	0.1	U	0.017	U	CV

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TOTAL METALS

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BLANKS

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 09126S

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C		Preparation Blank	C		M
Aluminum			83.2	B	64.2	B	55.2	U					P
Mercury			0.1	U	0.1	U	0.1	U					CV

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TOTAL METALS

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BLANKS

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 09126S

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C		Preparation Blank	C		M
Aluminum			55.2	U	55.2	U	55.2	U					P

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TOTAL METALS

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BLANKS

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 09126S

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Aluminum			55.2	U	55.2	U					P

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TOTAL METALS

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BLANKS

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 09126S

Preparation Blank Matrix (soil/water): SOIL

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C		M
Antimony	2.7	U	2.7	U	2.7	U	2.7	U	0.270	U		P
Arsenic	4.0	U	4.0	U	4.0	U	4.0	U	0.400	U		P
Barium	0.5	U	0.5	U	0.5	U	0.5	U	0.083	B		P
Beryllium	0.1	U	0.1	U	0.1	U	0.1	U	-0.014	B		P
Cadmium	0.4	U	0.4	U	0.4	U	0.4	U	0.118	B		P
Calcium	140.0	U	140.0	U	140.0	U	140.0	U	31.256	B		P
Chromium	0.6	U	0.6	U	0.6	U	0.6	U	0.265	B		P
Cobalt	1.3	U	1.3	U	1.3	U	1.3	U	0.130	U		P
Copper	1.0	U	1.0	U	1.1	B	1.0	U	0.333	B		P
Iron	17.7	U	17.7	U	20.3	B	22.2	B	4.096	B		P
Lead	1.3	U	1.3	U	1.3	U	1.3	U	0.130	U		P
Magnesium	6.0	U	14.2	B	31.2	B	43.2	B	4.040	B		P
Manganese	-0.3	B	-0.4	B	0.2	U	0.2	U	0.063	B		P
Nickel	1.1	B	1.2	B	1.5	B	1.5	B	0.100	U		P
Potassium	11.9	U	11.9	U	11.9	U	12.7	B	3.292	B		P
Selenium	3.3	U	3.3	U	3.3	U	3.3	U	0.330	U		P
Silver	1.8	U	1.8	U	1.8	U	1.8	U	0.180	U		P
Sodium	250.0	U	250.0	U	250.0	U	250.0	U	73.838	B		P
Thallium	5.0	U	5.0	U	5.0	U	5.0	U	-0.665	B		P
Vanadium	1.1	U	1.1	U	1.1	U	1.1	U	0.110	U		P
Zinc	4.2	U	4.2	U	4.2	U	4.2	U	0.420	U		P

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TOTAL METALS

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BLANKS

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 09126S

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Antimony			2.7	U	2.7	U	2.7	U			P
Arsenic			4.0	U	4.0	U	4.0	U			P
Barium			0.5	U	0.5	U	0.5	U			P
Beryllium			0.1	U	0.1	U	-0.1	B			P
Cadmium			0.4	U	0.4	U	0.4	U			P
Calcium			140.0	U	140.0	U	140.0	U			P
Chromium			0.6	U	0.6	U	0.6	U			P
Cobalt			1.3	U	1.3	U	1.3	U			P
Copper			1.0	U	1.8	B	2.7	B			P
Iron			36.9	B	19.4	B	17.7	U			P
Lead			1.3	U	1.3	U	1.3	U			P
Magnesium			93.5	B	54.7	B	34.7	B			P
Manganese			0.2	U	-0.3	B	0.2	U			P
Nickel			1.6	B	1.2	B	2.0	B			P
Potassium			11.9	U	11.9	U	11.9	U			P
Selenium			3.3	U	3.3	U	3.3	U			P
Silver			1.8	U	1.8	U	1.8	U			P
Sodium			250.0	U	250.0	U	250.0	U			P
Thallium			5.0	U	5.0	U	5.0	U			P
Vanadium			1.1	U	1.1	U	1.1	U			P
Zinc			4.2	U	4.2	U	4.2	U			P

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TOTAL METALS

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BLANKS

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 09126S

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Antimony			2.7	U	2.7	U					P
Arsenic			4.0	U	4.0	U					P
Barium			0.5	U	0.5	U					P
Beryllium			0.1	U	0.1	U					P
Cadmium			0.4	U	0.4	U					P
Calcium			140.0	U	140.0	U					P
Chromium			0.6	U	0.6	U					P
Cobalt			1.3	U	1.3	U					P
Copper			3.5	B	4.1	B					P
Iron			17.7	U	21.6	B					P
Lead			1.3	U	1.3	U					P
Magnesium			28.0	B	33.1	B					P
Manganese			-0.2	B	0.2	U					P
Nickel			1.2	B	2.2	B					P
Potassium			11.9	U	14.2	B					P
Selenium			3.3	U	3.3	U					P
Silver			1.8	U	1.8	U					P
Sodium			250.0	U	250.0	U					P
Thallium			5.0	U	5.0	U					P
Vanadium			1.1	U	1.1	U					P
Zinc			4.2	U	4.2	U					P

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TOTAL METALS
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SPIKE SAMPLE RECOVERY

SAMPLE NO.

AB1001S

Contract:

Lab Code: Case No.: SAS SDG NO.: 09126S

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 74.6

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

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum		19033.2673		15559.5320		501.11	693.2		P
Antimony	75 - 125	13.5484		0.7239	U	25.78	52.6	N	P
Arsenic	75 - 125	33.5938		19.9537		12.89	105.8		P
Barium	75 - 125	229.5629		94.1631		128.89	105.1		P
Beryllium	75 - 125	13.9787		0.9407		12.89	101.1		P
Cadmium	75 - 125	13.2703		0.7273	B	12.89	97.3		P
Calcium		8321.7629		6738.0408		1288.93	122.9		P
Chromium	75 - 125	80.8768		25.1435		51.56	108.1		P
Cobalt	75 - 125	145.3765		18.4644		128.89	98.5		P
Copper	75 - 125	102.2328		30.4660		64.45	111.4		P
Iron		51526.0046		44785.7395		257.79	2614.6		P
Lead	75 - 125	145.5758		15.8742		128.89	100.6		P
Magnesium		7493.4373		5448.7227		1288.93	158.6		P
Manganese		1320.2047		942.5364		128.89	293.0		P
Mercury	75 - 125	0.5131		0.0465		0.44	106.0		CV
Nickel	75 - 125	176.6305		46.4447		128.89	101.0		P
Potassium	75 - 125	5438.4387		3273.8257		1288.93	167.9	N	P
Selenium	75 - 125	12.4024		1.1727	B	12.89	87.1		P
Silver	75 - 125	12.7652		0.4826	U	12.89	99.0		P
Sodium	75 - 125	1486.2114		228.5895	B	1288.93	97.6		P
Thallium	75 - 125	9.6482		1.3405	U	12.89	74.9		P
Vanadium	75 - 125	173.8092		37.8890		128.89	105.5		P
Zinc	75 - 125	213.4855		86.6600		128.89	98.4		P

Comments: 5039

TOTAL METALS

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DUPLICATES

SAMPLE NO.

AB1001D

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 09126S

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 74.6 % Solids for Duplicate: 74.6

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

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum		15559.5320		15632.5722		0.5		P
Antimony		0.7239	U	0.7097	U			P
Arsenic		19.9537		20.3989		2.2		P
Barium		94.1631		100.0867		6.1		P
Beryllium	0.3	0.9407		1.0474		10.7		P
Cadmium		0.7273	B	0.7807	B	7.1		P
Calcium		6738.0408		4645.2869		36.8	*	P
Chromium		25.1435		27.1491		7.7		P
Cobalt		18.4644		18.4096		0.3		P
Copper		30.4660		31.5596		3.5		P
Iron		44785.7395		46141.0569		3.0		P
Lead		15.8742		15.9511		0.5		P
Magnesium		5448.7227		5545.1372		1.8		P
Manganese		942.5364		1056.0162		11.4		P
Mercury	0.0	0.0465		0.0410		12.5		CV
Nickel		46.4447		47.8828		3.0		P
Potassium		3273.8257		3630.2722		10.3		P
Selenium	1.3	1.1727	B	1.3677		15.4		P
Silver		0.4826	U	0.4731	U			P
Sodium		228.5895	B	178.5927	B	24.6		P
Thallium		1.3405	U	1.3142	U			P
Vanadium		37.8890		40.0001		5.4		P
Zinc		86.6600		89.0102		2.7		P

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TOTAL METALS
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LABORATORY CONTROL SAMPLE

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 09126S

Solid LCS Source: HIGH PURITY

Aqueous LCS Source:

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Aluminum				500.0	515.8		400.0	600.0	103.2
Mercury				0.5	0.5		0.4	0.6	108.7

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TOTAL METALS

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LABORATORY CONTROL SAMPLE

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 09126S

Solid LCS Source: HIGH PURITY

Aqueous LCS Source:

Analyte	Aqueous (ug/L) True	Aqueous (ug/L) Found	Aqueous (ug/L) %R	Solid (mg/kg) True	Solid (mg/kg) Found	C	Limits	Limits	%R
Antimony				20.0	19.1		16.0	24.0	95.5
Arsenic				10.0	9.0		8.0	12.0	89.8
Barium				100.0	97.7		80.0	120.0	97.7
Beryllium				10.0	9.8		8.0	12.0	98.1
Cadmium				10.0	9.6		8.0	12.0	96.0
Calcium				1000.0	969.0		800.0	1200.0	96.9
Chromium				40.0	39.1		32.0	48.0	97.7
Cobalt				100.0	95.8		80.0	120.0	95.8
Copper				50.0	50.6		50.0	60.0	101.2
Iron				2000.0	1933.6		1600.0	2400.0	96.7
Lead				100.0	97.7		80.0	120.0	97.7
Magnesium				1000.0	931.7		800.0	1200.0	93.2
Manganese				100.0	98.5		80.0	120.0	98.5
Nickel				100.0	96.7		80.0	120.0	96.7
Potassium				1000.0	1002.3		800.0	1200.0	100.2
Selenium				10.0	9.1		8.0	10.0	90.6
Silver				10.0	9.6		8.0	12.0	95.8
Sodium				1000.0	1039.5		800.0	1200.0	104.0
Thallium				10.0	9.1		8.0	10.0	91.0
Vanadium				100.0	97.3		80.0	120.0	97.3
Zinc				100.0	95.3		80.0	120.0	95.3

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TOTAL METALS

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BLANKS

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 09126W

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Aluminum	39.6	B	41.6	B	79.8	B	58.2	B	65.394	B	P
Antimony	3.7	U	3.7	U	3.7	U	3.7	U	3.700	U	P
Arsenic	3.2	U	3.2	U	3.2	U	3.2	U	3.200	U	P
Barium	0.6	U	0.6	U	0.6	U	0.6	U	0.600	U	P
Beryllium	0.2	B	0.2	B	0.4	B	0.2	B	0.219	B	P
Cadmium	0.4	U	0.4	U	0.4	U	0.4	U	0.400	U	P
Calcium	104.0	U	104.0	U	104.0	U	104.0	U	104.000	U	P
Chromium	0.8	U	0.8	U	0.8	U	0.8	U	0.800	U	P
Cobalt	0.9	U	0.9	U	0.9	U	0.9	U	0.900	U	P
Copper	-1.2	B	-1.4	B	-2.1	B	-1.5	B	1.200	U	P
Iron	15.0	U	15.0	U	19.4	B	15.9	B	21.081	B	P
Lead	1.5	U	1.5	U	1.5	U	1.5	U	1.500	U	P
Magnesium	22.4	U	22.4	U	23.0	B	22.4	U	24.467	B	P
Manganese	0.4	U	0.4	U	0.4	U	0.4	U	0.400	U	P
Mercury	0.1	U	0.1	U	0.1	U	0.1	U	0.100	U	CV
Nickel	2.0	U	2.0	U	2.0	U	2.0	U	2.000	U	P
Potassium	9.1	U	9.1	U	9.1	U	9.1	U	12.028	B	P
Selenium	2.3	U	2.3	U	2.3	U	2.3	U	2.300	U	P
Silver	0.7	U	0.7	U	0.7	U	0.7	U	0.700	U	P
Sodium	198.0	U	198.0	U	-240.1	B	198.0	U	198.000	U	P
Thallium	5.5	U	5.5	U	5.5	U	5.5	U	5.500	U	P
Vanadium	0.9	U	0.9	U	0.9	U	0.9	U	0.900	U	P
Zinc	4.0	U	4.0	U	4.0	U	4.0	U	4.000	U	P

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TOTAL METALS

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BLANKS

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 09126W

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Aluminum			46.6	B	36.4	B	23.1	U			P
Antimony			3.7	U	3.7	U	3.7	U			P
Arsenic			-4.5	B	-4.6	B	3.2	U			P
Barium			0.6	U	0.6	U	0.6	U			P
Beryllium			0.1	B	0.1	B	0.2	B			P
Cadmium			0.4	U	0.4	U	0.4	U			P
Calcium			104.0	U	104.0	U	104.0	U			P
Chromium			0.8	U	0.8	U	0.8	U			P
Cobalt			0.9	U	0.9	U	0.9	U			P
Copper			-1.8	B	1.2	U	-1.5	B			P
Iron			15.0	U	15.0	U	15.0	U			P
Lead			1.5	U	1.5	U	1.5	U			P
Magnesium			28.2	B	22.4	U	22.4	U			P
Manganese			0.4	U	0.4	U	0.4	U			P
Mercury			0.1	U	0.1	U	0.1	U			CV
Nickel			2.0	U	2.0	U	2.0	U			P
Potassium			9.1	U	9.1	U	9.1	U			P
Selenium			2.3	U	2.3	U	2.3	U			P
Silver			0.7	U	0.7	U	0.8	B			P
Sodium			198.0	U	198.0	U	198.0	U			P
Thallium			5.5	U	5.5	U	5.5	U			P
Vanadium			0.9	U	0.9	U	0.9	U			P
Zinc			4.0	U	4.0	U	4.0	U			P

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SW-846

TOTAL METALS

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BLANKS

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 09126W

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Mercury			0.1	U							CV

5078

TOTAL METALS
-5A-
SPIKE SAMPLE RECOVERY

SAMPLE NO.

9122-010-06-1S

Contract:

Lab Code: Case No.: SAS SDG NO.: 09126W

Matrix (soil/water): WATER Level (low/med): LOW

% Solids for Sample: 0.0

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

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum	75 - 125	2416.0112		453.5449		2000.00	98.1		P
Antimony	75 - 125	99.1107		3.7000	U	100.00	99.1		P
Arsenic	75 - 125	39.2965		3.2000	U	40.00	98.2		P
Barium	75 - 125	1984.4453		40.8826		2000.00	97.2		P
Beryllium	75 - 125	47.8493		0.1440	B	50.00	95.4		P
Cadmium	75 - 125	48.2173		0.4000	U	50.00	96.4		P
Calcium		186548.7969		195036.9375		5000.00	-169.8		P
Chromium	75 - 125	196.1349		1.3456	B	200.00	97.4		P
Cobalt	75 - 125	482.1233		0.9000	U	500.00	96.4		P
Copper	75 - 125	251.5562		1.3555	B	250.00	100.1		P
Iron	75 - 125	1356.3442		455.1058		1000.00	90.1		P
Lead	75 - 125	19.1526		1.5000	U	20.00	95.8		P
Magnesium		45837.1563		43895.7188		5000.00	38.8		P
Manganese	75 - 125	549.1784		69.2206		500.00	96.0		P
Mercury	75 - 125	0.9950		0.1000	U	1.00	99.5		CV
Nickel	75 - 125	485.0045		3.4901	B	500.00	96.3		P
Potassium	75 - 125	3029.2673		2086.7134		1000.00	94.3		P
Selenium	75 - 125	10.4770		2.3000	U	10.00	104.8		P
Silver	75 - 125	51.0290		0.7000	U	50.00	102.1		P
Sodium	75 - 125	9892.3652		5297.8735		5000.00	91.9		P
Thallium	75 - 125	49.4423		5.5000	U	50.00	98.9		P
Vanadium	75 - 125	496.0938		1.0665	B	500.00	99.0		P
Zinc	75 - 125	481.6606		4.5225	B	500.00	95.4		P

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Comments:

TOTAL METALS

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DUPLICATES

SAMPLE NO.

9122-010-06-1D

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 09126W

Matrix (soil/water): WATER Level (low/med): LOW

% Solids for Sample: 0.0 % Solids for Duplicate:

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

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum	200.0	453.5449		353.5677		24.8		P
Antimony		3.7000	U	3.7000	U			P
Arsenic		3.2000	U	3.2000	U			P
Barium		40.8826		37.8828		7.6		P
Beryllium		0.1440	B	0.2378	B	49.1		P
Cadmium		0.4000	U	0.4000	U			P
Calcium		195036.9375		181353.9063		7.3		P
Chromium		1.3456	B	0.8000	U	200.0		P
Cobalt		0.9000	U	0.9000	U			P
Copper		1.3555	B	1.2000	U	200.0		P
Iron	100.0	455.1058		407.5296		11.0		P
Lead		1.5000	U	1.5000	U			P
Magnesium		43895.7188		41184.2578		6.4		P
Manganese		69.2206		64.5339		7.0		P
Mercury		0.1000	U	0.1000	U			CV
Nickel		3.4901	B	3.0890	B	12.2		P
Potassium		2086.7134		1845.4545		12.3		P
Selenium		2.3000	U	2.3000	U			P
Silver		0.7000	U	0.7000	U			P
Sodium	1000.0	5297.8735		4984.3208		6.1		P
Thallium		5.5000	U	5.5000	U			P
Vanadium		1.0665	B	0.9751	B	9.0		P
Zinc		4.5225	B	4.0000	U	200.0		P

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TOTAL METALS
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LABORATORY CONTROL SAMPLE

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 09126W

Solid LCS Source:

Aqueous LCS Source: HIGH PURITY

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Aluminum	5000.0	5016.00	100.3						
Antimony	400.0	396.52	99.1						
Arsenic	400.0	395.61	98.9						
Barium	400.0	396.99	99.2						
Beryllium	40.0	38.83	97.1						
Cadmium	40.0	39.69	99.2						
Calcium	5000.0	4888.93	97.8						
Chromium	400.0	397.54	99.4						
Cobalt	400.0	393.98	98.5						
Copper	400.0	393.41	98.4						
Iron	5000.0	4801.34	96.0						
Lead	400.0	394.48	98.6						
Magnesium	5000.0	4787.06	95.7						
Manganese	400.0	391.79	97.9						
Mercury	1.0	1.01	101.0						
Nickel	400.0	394.95	98.7						
Potassium	5000.0	5435.55	108.7						
Selenium	400.0	376.70	94.2						
Silver	40.0	40.19	100.5						
Sodium	10000.0	9695.33	97.0						
Thallium	400.0	381.95	95.5						
Vanadium	400.0	398.60	99.7						
Zinc	400.0	395.17	98.8						

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Summary of Analytical Results

Client ID AB2005
GPL ID: 9126-015-09-1/2
Matrix: Water
Date Collected: Sep-19-2000
Date Received: Sep-21-2000

Prep Method: SW3520C
Prep Date: Sep-25-2000
Prep Time: 00:00
Prep Chemist: Shelita Hodges

Analytical Method: SW8082
Date Analyzed: Oct-06-2000
Time Analyzed 15:12
Analyst: Abdisalam Khalaf

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	1.03	ug/L	U	1
PCB-1221	BQL	1.03	ug/L	U	1
PCB-1232	BQL	1.03	ug/L	U	1
PCB-1242	BQL	1.03	ug/L	U	1
PCB-1248	BQL	1.03	ug/L	U	1
PCB-1254	BQL	1.03	ug/L	U	1
PCB-1260	BQL	2.06	ug/L	U	1

Summary of Analytical Results

Client ID AB2007
GPL ID: 9126-016-09-1/2
Matrix: Water
Date Collected: Sep-19-2000
Date Received: Sep-21-2000

Prep Method: SW3520C
Prep Date: Sep-25-2000
Prep Time: 00:00
Prep Chemist: Shelita Hodges

Analytical Method: SW8082
Date Analyzed: Oct-06-2000
Time Analyzed 15:39
Analyst: Abdisalam Khalaf

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	1.14	ug/L	U	1
PCB-1221	BQL	1.14	ug/L	U	1
PCB-1232	BQL	1.14	ug/L	U	1
PCB-1242	BQL	1.14	ug/L	U	1
PCB-1248	BQL	1.14	ug/L	U	1
PCB-1254	BQL	1.14	ug/L	U	1
PCB-1260	BQL	2.27	ug/L	U	1

Summary of Analytical Results

Client ID AB2008
GPL ID: 9126-017-09-1/2
Matrix: Water
Date Collected: Sep-19-2000
Date Received: Sep-21-2000

Prep Method: SW3520C
Prep Date: Sep-25-2000
Prep Time: 00:00
Prep Chemist: Shelita Hodges

Analytical Method: SW8082
Date Analyzed: Oct-06-2000
Time Analyzed 16:07
Analyst: Abdisalam Khalaf

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	1.11	ug/L	U	1
PCB-1221	BQL	1.11	ug/L	U	1
PCB-1232	BQL	1.11	ug/L	U	1
PCB-1242	BQL	1.11	ug/L	U	1
PCB-1248	BQL	1.11	ug/L	U	1
PCB-1254	BQL	1.11	ug/L	U	1
PCB-1260	BQL	2.22	ug/L	U	1

Summary of Analytical Results

Client ID AB2010
GPL ID: 9126-018-09-1/2
Matrix: Water
Date Collected: Sep-19-2000
Date Received: Sep-21-2000

Prep Method: SW3520C
Prep Date: Sep-25-2000
Prep Time: 00:00
Prep Chemist: Shelita Hodges

Analytical Method: SW8082
Date Analyzed: Oct-06-2000
Time Analyzed 16:34
Analyst: Abdisalam Khalaf

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	1.18	ug/L	U	1
PCB-1221	BQL	1.18	ug/L	U	1
PCB-1232	BQL	1.18	ug/L	U	1
PCB-1242	BQL	1.18	ug/L	U	1
PCB-1248	BQL	1.18	ug/L	U	1
PCB-1254	BQL	1.18	ug/L	U	1
PCB-1260	BQL	2.35	ug/L	U	1

Summary of Analytical Results

Client ID AB2011
GPL ID: 9126-019-08-1/2
Matrix: Water
Date Collected: Sep-19-2000
Date Received: Sep-21-2000

Prep Method: SW3520C
Prep Date: Sep-25-2000
Prep Time: 00:00
Prep Chemist: Shelita Hodges

Analytical Method: SW8082
Date Analyzed: Oct-06-2000
Time Analyzed 17:02
Analyst: Abdisalam Khalaf

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	1.11	ug/L	U	1
PCB-1221	BQL	1.11	ug/L	U	1
PCB-1232	BQL	1.11	ug/L	U	1
PCB-1242	BQL	1.11	ug/L	U	1
PCB-1248	BQL	1.11	ug/L	U	1
PCB-1254	BQL	1.11	ug/L	U	1
PCB-1260	BQL	2.22	ug/L	U	1

Summary of Analytical Results

Client ID AB2018
GPL ID: 9126-020-09-1/2
Matrix: Water
Date Collected: Sep-19-2000
Date Received: Sep-21-2000

Prep Method: SW3520C
Prep Date: Sep-25-2000
Prep Time: 00:00
Prep Chemist: Shelita Hodges

Analytical Method: SW8082
Date Analyzed: Oct-06-2000
Time Analyzed 17:29
Analyst: Abdisalam Khalaf

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	1.12	ug/L	U	1
PCB-1221	BQL	1.12	ug/L	U	1
PCB-1232	BQL	1.12	ug/L	U	1
PCB-1242	BQL	1.12	ug/L	U	1
PCB-1248	BQL	1.12	ug/L	U	1
PCB-1254	BQL	1.12	ug/L	U	1
PCB-1260	BQL	2.25	ug/L	U	1

Summary of Analytical Results

Client ID AA1001
GPL ID: 9126-002-03-1/1
Matrix: Soil
Date Collected: Sep-19-2000
Date Received: Sep-21-2000

Prep Method: SW3550
Prep Date: Sep-25-2000
Prep Time: 08:29
Prep Chemist: Shila Soleimani

Analytical Method: SW8082
Date Analyzed: Oct-06-2000
Time Analyzed 20:40
Analyst: Abdisalam Khalaf

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	46.4	ug/kg	U	1
PCB-1221	BQL	46.4	ug/kg	U	1
PCB-1232	BQL	46.4	ug/kg	U	1
PCB-1242	BQL	46.4	ug/kg	U	1
PCB-1248	BQL	46.4	ug/kg	U	1
PCB-1254	BQL	46.4	ug/kg	U	1
PCB-1260	84.4	92.8	ug/kg	J	1

Summary of Analytical Results

Client ID AA1008
GPL ID: 9126-003-03-1/1
Matrix: Soil
Date Collected: Sep-19-2000
Date Received: Sep-21-2000

Prep Method: SW3550
Prep Date: Sep-25-2000
Prep Time: 08:29
Prep Chemist: Shila Soleimani

Analytical Method: SW8082
Date Analyzed: Oct-06-2000
Time Analyzed 21:07
Analyst: Abdisalam Khalaf

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	45.1	ug/kg	U	1
PCB-1221	BQL	45.1	ug/kg	U	1
PCB-1232	BQL	45.1	ug/kg	U	1
PCB-1242	BQL	45.1	ug/kg	U	1
PCB-1248	BQL	45.1	ug/kg	U	1
PCB-1254	BQL	45.1	ug/kg	U	1
PCB-1260	20.4	90.3	ug/kg	J	1

Summary of Analytical Results

Client ID AB1005
GPL ID: 9126-004-03-1/1
Matrix: Soil
Date Collected: Sep-19-2000
Date Received: Sep-21-2000

Prep Method: SW3550
Prep Date: Sep-25-2000
Prep Time: 08:29
Prep Chemist: Shila Soleimani

Analytical Method: SW8082
Date Analyzed: Oct-06-2000
Time Analyzed 21:35
Analyst: Abdisalam Khalaf

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	48.5	ug/kg	U	1
PCB-1221	BQL	48.5	ug/kg	U	1
PCB-1232	BQL	48.5	ug/kg	U	1
PCB-1242	BQL	48.5	ug/kg	U	1
PCB-1248	BQL	48.5	ug/kg	U	1
PCB-1254	BQL	48.5	ug/kg	U	1
PCB-1260	BQL	96.9	ug/kg	U	1

Summary of Analytical Results

Client ID AB1007
GPL ID: 9126-005-03-1/1
Matrix: Soil
Date Collected: Sep-19-2000
Date Received: Sep-21-2000

Prep Method: SW3550
Prep Date: Sep-25-2000
Prep Time: 08:29
Prep Chemist: Shila Soleimani

Analytical Method: SW8082
Date Analyzed: Oct-06-2000
Time Analyzed 22:02
Analyst: Abdisalam Khalaf

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	42.1	ug/kg	U	1
PCB-1221	BQL	42.1	ug/kg	U	1
PCB-1232	BQL	42.1	ug/kg	U	1
PCB-1242	BQL	42.1	ug/kg	U	1
PCB-1248	BQL	42.1	ug/kg	U	1
PCB-1254	BQL	42.1	ug/kg	U	1
PCB-1260	BQL	84.2	ug/kg	U	1

Summary of Analytical Results

Client ID AB1008
GPL ID: 9126-006-03-1/1
Matrix: Soil
Date Collected: Sep-19-2000
Date Received: Sep-21-2000

Prep Method: SW3550
Prep Date: Sep-25-2000
Prep Time: 08:29
Prep Chemist: Shila Soleimani

Analytical Method: SW8082
Date Analyzed: Oct-06-2000
Time Analyzed 22:29
Analyst: Abdisalam Khalaf

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	42	ug/kg	U	1
PCB-1221	BQL	42	ug/kg	U	1
PCB-1232	BQL	42	ug/kg	U	1
PCB-1242	BQL	42	ug/kg	U	1
PCB-1248	BQL	42	ug/kg	U	1
PCB-1254	BQL	42	ug/kg	U	1
PCB-1260	22.4	83.9	ug/kg	J	1

Summary of Analytical Results

Client ID AB1009
GPL ID: 9126-007-03-1/1
Matrix: Soil
Date Collected: Sep-19-2000
Date Received: Sep-21-2000

Prep Method: SW3550
Prep Date: Sep-25-2000
Prep Time: 08:29
Prep Chemist: Shila Soleimani

Analytical Method: SW8082
Date Analyzed: Oct-06-2000
Time Analyzed 22:57
Analyst: Abdisalam Khalaf

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	42.9	ug/kg	U	1
PCB-1221	BQL	42.9	ug/kg	U	1
PCB-1232	BQL	42.9	ug/kg	U	1
PCB-1242	BQL	42.9	ug/kg	U	1
PCB-1248	BQL	42.9	ug/kg	U	1
PCB-1254	BQL	42.9	ug/kg	U	1
PCB-1260	769	85.8	ug/kg		1

Summary of Analytical Results

Client ID AB1010
GPL ID: 9126-008-03-1/1
Matrix: Soil
Date Collected: Sep-19-2000
Date Received: Sep-21-2000

Prep Method: SW3550
Prep Date: Sep-25-2000
Prep Time: 08:29
Prep Chemist: Shila Soleimani

Analytical Method: SW8082
Date Analyzed: Oct-06-2000
Time Analyzed 23:24
Analyst: Abdisalam Khalaf

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	43.5	ug/kg	U	1
PCB-1221	BQL	43.5	ug/kg	U	1
PCB-1232	BQL	43.5	ug/kg	U	1
PCB-1242	BQL	43.5	ug/kg	U	1
PCB-1248	BQL	43.5	ug/kg	U	1
PCB-1254	BQL	43.5	ug/kg	U	1
PCB-1260	BQL	87	ug/kg	U	1

Summary of Analytical Results

Client ID AB1011
GPL ID: 9126-009-03-1/1
Matrix: Soil
Date Collected: Sep-19-2000
Date Received: Sep-21-2000

Prep Method: SW3550
Prep Date: Sep-25-2000
Prep Time: 08:29
Prep Chemist: Shila Soleimani

Analytical Method: SW8082
Date Analyzed: Oct-07-2000
Time Analyzed 00:46
Analyst: Abdisalam Khalaf

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	45	ug/kg	U	1
PCB-1221	BQL	45	ug/kg	U	1
PCB-1232	BQL	45	ug/kg	U	1
PCB-1242	BQL	45	ug/kg	U	1
PCB-1248	BQL	45	ug/kg	U	1
PCB-1254	BQL	45	ug/kg	U	1
PCB-1260	BQL	89.9	ug/kg	U	1

Summary of Analytical Results

Client ID AB1012
GPL ID: 9126-010-03-1/1
Matrix: Soil
Date Collected: Sep-19-2000
Date Received: Sep-21-2000

Prep Method: SW3550
Prep Date: Sep-25-2000
Prep Time: 08:29
Prep Chemist: Shila Soleimani

Analytical Method: SW8082
Date Analyzed: Oct-07-2000
Time Analyzed 01:13
Analyst: Abdisalam Khalaf

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	42.8	ug/kg	U	1
PCB-1221	BQL	42.8	ug/kg	U	1
PCB-1232	BQL	42.8	ug/kg	U	1
PCB-1242	BQL	42.8	ug/kg	U	1
PCB-1248	BQL	42.8	ug/kg	U	1
PCB-1254	BQL	42.8	ug/kg	U	1
PCB-1260	80.7	85.7	ug/kg	J	1

Summary of Analytical Results

Client ID AB1013
GPL ID: 9126-011-03-1/1
Matrix: Soil
Date Collected: Sep-19-2000
Date Received: Sep-21-2000

Prep Method: SW3550
Prep Date: Sep-25-2000
Prep Time: 08:29
Prep Chemist: Shila Soleimani

Analytical Method: SW8082
Date Analyzed: Oct-07-2000
Time Analyzed 01:41
Analyst: Abdisalam Khalaf

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	42	ug/kg	U	1
PCB-1221	BQL	42	ug/kg	U	1
PCB-1232	BQL	42	ug/kg	U	1
PCB-1242	BQL	42	ug/kg	U	1
PCB-1248	BQL	42	ug/kg	U	1
PCB-1254	BQL	42	ug/kg	U	1
PCB-1260	BQL	84	ug/kg	U	1

Summary of Analytical Results

Client ID AB1014
GPL ID: 9126-012-03-1/1
Matrix: Soil
Date Collected: Sep-19-2000
Date Received: Sep-21-2000

Prep Method: SW3550
Prep Date: Sep-25-2000
Prep Time: 08:29
Prep Chemist: Shila Soleimani

Analytical Method: SW8082
Date Analyzed: Oct-07-2000
Time Analyzed 02:08
Analyst: Abdisalam Khalaf

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	42.1	ug/kg	U	1
PCB-1221	BQL	42.1	ug/kg	U	1
PCB-1232	BQL	42.1	ug/kg	U	1
PCB-1242	BQL	42.1	ug/kg	U	1
PCB-1248	BQL	42.1	ug/kg	U	1
PCB-1254	BQL	42.1	ug/kg	U	1
PCB-1260	506	84.1	ug/kg		1

Summary of Analytical Results

Client ID AB1015
GPL ID: 9126-013-03-1/1
Matrix: Soil
Date Collected: Sep-19-2000
Date Received: Sep-21-2000

Prep Method: SW3550
Prep Date: Sep-25-2000
Prep Time: 08:29
Prep Chemist: Shila Soleimani

Analytical Method: SW8082
Date Analyzed: Oct-07-2000
Time Analyzed 02:35
Analyst: Abdisalam Khalaf

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	38.5	ug/kg	U	1
PCB-1221	BQL	38.5	ug/kg	U	1
PCB-1232	BQL	38.5	ug/kg	U	1
PCB-1242	BQL	38.5	ug/kg	U	1
PCB-1248	BQL	38.5	ug/kg	U	1
PCB-1254	BQL	38.5	ug/kg	U	1
PCB-1260	287	77	ug/kg		1

Summary of Analytical Results

Client ID AB1018
GPL ID: 9126-014-03-1/1
Matrix: Soil
Date Collected: Sep-19-2000
Date Received: Sep-21-2000

Prep Method: SW3550
Prep Date: Sep-25-2000
Prep Time: 08:29
Prep Chemist: Shila Soleimani

Analytical Method: SW8082
Date Analyzed: Oct-07-2000
Time Analyzed 03:03
Analyst: Abdisalam Khalaf

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	42.7	ug/kg	U	1
PCB-1221	BQL	42.7	ug/kg	U	1
PCB-1232	BQL	42.7	ug/kg	U	1
PCB-1242	BQL	42.7	ug/kg	U	1
PCB-1248	BQL	42.7	ug/kg	U	1
PCB-1254	BQL	42.7	ug/kg	U	1
PCB-1260	36.0	85.5	ug/kg	J	1

2F
SOIL PESTICIDE SURROGATE RECOVERY

Lab Name: GPL LABORATORIES Contract: IT CORPORATIO

Lab Code: GPLL Case No.: 9126 SAS No.: N/A SDG No.: N/A

GC Column (1) : RTx-CLP ID: 0.32 (mm) GC Column (2) : RTx-CLP2 ID: 0.32 (mm)

	CLIENT SAMPLE ID	TCX 1 %REC #	TCX 2 %REC #	DCB 1 %REC #	DCB 2 %REC #	TOT OUT
01	PBLK6939	109	111	152	115	0
02	PBLK6939MS	106	105	149	113	0
03	AA1001	85	90	129	95	0
04	AA1008	94	94	138	103	0
05	AB1005	60	44	119	75	0
06	AB1007	76	73	113	79	0
07	AB1008	84	84	127	91	0
08	AB1009	90	89	128	92	0
09	AB1010	87	81	123	89	0
10	AB1011	124	112	187 *	126	1
11	AB1012	99	99	148	107	0
12	AB1013	94	96	140	101	0
13	AB1014	89	89	137	96	0
14	AB1015	92	90	132	103	0
15	AB1018	93	88	142	101	0
16	AB1011MS	92	85	126	90	0
17	AB1011MSD	103	94	143	101	0

			ADVISORY QC LIMITS
TCX	=	Tetrachloro-m-xylene	(19-191)
DCB	=	Decachlorobiphenyl	(21-155)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogate diluted out

3003

2E
WATER PESTICIDE SURROGATE RECOVERY

Lab Name: GPL LABORATORIES, LLLP Project: IT CORPORATIO

Lab Code: GPL WO No.: 9126 SAS No.: N/A SDG No.: N/A

GC Column (1) : RTx-CLP ID: 0.32 (mm) GC Column (2) : RTx-CLP2 ID: 0.32 (mm)

	CLIENT SAMPLE ID	TCX 1 %REC #	TCX 2 %REC #	DCB 1 %REC #	DCB 2 %REC #	TOT OUT
01	AB2005	86	88	88	70	0
02	AB2007	78	88	101	80	0
03	AB2008	95	99	126	97	0
04	AB2010	93	94	90	72	0
05	AB2011	85	90	94	73	0
06	AB2018	86	88	108	84	0
07	AB2018MS	43	43	61	48	0
08	AB2018MSD	48	37	75	59	0
09	PBLK6965	116*	121*	165*	107	3
10	PBLK6965MS	105	88	187*	126	1

			ADVISORY QC LIMITS
TCX	=	Tetrachloro-m-xylene	(23-112)
DCB	=	Decachlorobiphenyl	(21-134)

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate diluted out

3004

3E

SOIL PCB's MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: GPL Laboratories

Client: IT CORPORATION

Lab Code: GPL

Case No.: 9126

SAS No.: N/A

SDG No.: N/A

EPA Sample No.: AB1011MS/MSD

GP ID: 9126-009MS/MSD

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENTRATION (ug/kg)	MS CONCENTRATION (ug/kg)	MS % REC	QC LIMITS REC.
AR 1016	225	0	150	65	58-133
AR 1260	449	0	340	76	40-159

COMPOUND	SPIKE ADDED (ug/kg)	MSD CONCENTRATION (ug/kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC.
AR 1016	225	180	81	22 *	20	58-133
AR 1260	449	380	85	12	15	40-159

* Value outside of QC limits

RPD: 1 of 2 outside limits.

Spike Recovery: 0 of 4 outside limits.

COMMENTS:

3005

3E

WATER PCB's MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: GPL Laboratories Client: IT CORPORATION

Lab Code: GPL Case No.: 9126 SAS No.: N/A SDG No.: N/A

EPA Sample No.: AB2018MS/MSD GP ID: 9126-020MS/MSD

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENTRATION (ug/kg)	MS CONCENTRATION (ug/kg)	MS % REC	QC LIMITS REC.
AR 1016	11	0	4.5	40 *	54-150
AR 1260	22	0	6.2	28 *	70-131

COMPOUND	SPIKE ADDED (ug/kg)	MSD CONCENTRATION (ug/kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC.
AR 1016	11	6.6	60	39 *	20	54-150
AR 1260	22	13.4	60 *	74 *	20	70-131

* Value outside of QC limits

RPD: 2 of 2 outside limits.

Spike Recovery: 3 of 4 outside limits.

COMMENTS:

3006

3E
SOIL LABORATORY CONTROL SPIKE RECOVERY

Lab Name: GPL Laboratories | Client: IT CORPORATION

Lab Code: GPL | Case No.: 9126 | SAS No.: N/A | SDG No.: N/A

EPA Sample No.: PBLK6939MS | GP ID: PBLK6939MS

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENTRATION (ug/kg)	LCS CONCENTRATION (ug/kg)	LCS % REC	QC LIMITS REC
AR 1016	170	0	150	92	54-164
AR 1260	330	0	310	94	80-145

* Value outside of QC limits

Spike recovery: 0 out of 2 outside limits.

COMMENTS:

300

3E
WATER LABORATORY CONTROL SPIKE RECOVERY

Lab Name: GPL Laboratories | Client: IT CORPORATION

Lab Code: GPL | Case No.: 9126 | SAS No.: N/A | SDG No.: N/A

EPA Sample No.: PBLK6965MS | GP ID: PBLK6965MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC
AR 1016	5	0	6.3	127	54-164
AR 1260	10	0	12	116	80-145

* Value outside of QC limits

Spike recovery: 0 out of 2 outside limits.

COMMENTS:

3008

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PBLK6939

Lab Name: GPL LABORATORIES Contract: IT CORPORAT

Lab Code: GPLL Case No.: 9126 SAS No.: N/A SDG No.: N/A

Lab Sample ID: 9126-PBLK6939 Lab File ID: J10816.D

Matrix: (soil/water) SOIL Extraction: (SepF/Cont/Sonc) SONC

Sulfur Cleanup: (Y/N) N Date Extracted: 09/25/00

Date Analyzed (1) : 10/06/00 Date Analyzed (2) : 10/06/00

Time Analyzed (1) : 1945 Time Analyzed (2) : 1945

Instrument ID (1) : GC-J Instrument ID (2) : GC-J

GC Column (1) : RTx-CLP ID: 0.32 (mm) GC Column (2) : RTx-CLP2 ID: 0.32 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	PBLK6939MS	9126-PBLK6939MS	10/06/00	10/06/00
02	AA1001	9126-002-03-1/1	10/06/00	10/06/00
03	AA1008	9126-003-03-1/1	10/06/00	10/06/00
04	AB1005	9126-004-03-1/1	10/06/00	10/06/00
05	AB1007	9126-005-03-1/1	10/06/00	10/06/00
06	AB1008	9126-006-03-1/1	10/06/00	10/06/00
07	AB1009	9126-007-03-1/1	10/06/00	10/06/00
08	AB1011	9126-009-03-1/1	10/07/00	10/07/00
09	AB1012	9126-010-03-1/1	10/07/00	10/07/00
10	AB1013	9126-011-03-1/1	10/07/00	10/07/00
11	AB1014	9126-012-03-1/1	10/07/00	10/07/00
12	AB1015	9126-013-03-1/1	10/07/00	10/07/00
13	AB1018	9126-014-03-1/1	10/07/00	10/07/00
14	AB1011MS	9126-009-03-1/1MS	10/07/00	10/07/00
15	AB1011MSD	9126-009-03-1/1MSD	10/07/00	10/07/00

COMMENTS:

3009

4C

PESTICIDE METHOD BLANK SUMMARY

CLIENT ID

PBLK6965

Lab Name: GPL LABORATORIES, LLLP Project: IT CORPORAT

Lab Code: GPL WO No.: 9126 SAS No.: N/A SDG No.: N/A

Lab Sample ID: 9126-PBLK6965 Lab File ID: J10889.D

Matrix: (soil/water) WATER Extraction: (SepF/Cont/Sonc) CONT

Sulfur Cleanup: (Y/N) N Date Extracted: 09/25/00

Date Analyzed (1) : 10/10/00 Date Analyzed (2) : 10/10/00

Time Analyzed (1) : 1107 Time Analyzed (2) : 1107

Instrument ID (1) : GC-J Instrument ID (2) : GC-J

GC Column (1) : RTx-CLP ID: 0.32 (mm) GC Column (2) : RTx-CLP2 ID: 0.32 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	AB2005	9126-015-09-1/2	10/06/00	10/06/00
02	AB2007	9126-016-09-1/2	10/06/00	10/06/00
03	AB2008	9126-017-09-1/2	10/06/00	10/06/00
04	AB2010	9126-018-09-1/2	10/06/00	10/06/00
05	AB2011	9126-019-08-1/2	10/06/00	10/06/00
06	AB2018	9126-020-09-1/2	10/06/00	10/06/00
07	AB2018MS	9126-020-09-1/2MS	10/06/00	10/06/00
08	AB2018MSD	9126-020-09-1/2MSD	10/06/00	10/06/00
09	PBLK6965MS	9126-PBLK6965MS	10/10/00	10/10/00

COMMENTS:

3010

Summary of Analytical Results

Client ID AA1001
GPL ID: 9126-002-01-1/2
Matrix: Soil
Date Collected: Sep-19-2000
Date Received: Sep-21-2000

Prep Method: SW5030B
Prep Date: Sep-22-2000
Prep Time: 07:46
Prep Chemist: NAZIH ABADEER

Analytical Method: SW8260B_TCL
Date Analyzed: Sep-22-2000
Time Analyzed 13:24
Analyst: NAZIH ABADEER

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	6.96	ug/kg	U	1
1,1,2,2-Tetrachloroethane	BQL	6.96	ug/kg	U	1
1,1,2-Trichloroethane	BQL	6.96	ug/kg	U	1
1,1-Dichloroethane	BQL	6.96	ug/kg	U	1
1,1-Dichloroethene	BQL	6.96	ug/kg	U	1
1,2-Dichloroethane	BQL	6.96	ug/kg	U	1
1,2-Dichloropropane	BQL	6.96	ug/kg	U	1
2-Butanone	BQL	13.9	ug/kg	U	1
2-Hexanone	BQL	13.9	ug/kg	U	1
4-Methyl-2-Pentanone	BQL	13.9	ug/kg	U	1
Acetone	BQL	13.9	ug/kg	U	1
Benzene	BQL	6.96	ug/kg	U	1
Bromodichloromethane	BQL	6.96	ug/kg	U	1
Bromoform	BQL	6.96	ug/kg	U	1
Bromomethane	BQL	13.9	ug/kg	U	1
Carbon Disulfide	BQL	6.96	ug/kg	U	1
Carbon Tetrachloride	BQL	6.96	ug/kg	U	1
Chlorobenzene	BQL	6.96	ug/kg	U	1
Chloroethane	BQL	13.9	ug/kg	U	1
Chloroform	BQL	6.96	ug/kg	U	1
Chloromethane	BQL	13.9	ug/kg	U	1
Dibromochloromethane	BQL	6.96	ug/kg	U	1
Ethylbenzene	BQL	6.96	ug/kg	U	1
Methylene Chloride	4.59	6.96	ug/kg	J	1
Styrene	BQL	6.96	ug/kg	U	1
Tetrachloroethene	BQL	6.96	ug/kg	U	1
Toluene	BQL	6.96	ug/kg	U	1
Trichloroethene	BQL	6.96	ug/kg	U	1
Vinyl Chloride	BQL	13.9	ug/kg	U	1
cis-1,2-Dichloroethene	BQL	6.96	ug/kg	U	1
cis-1,3-Dichloropropene	BQL	6.96	ug/kg	U	1
m,p-Xylenes	BQL	6.96	ug/kg	U	1
o-Xylene	BQL	6.96	ug/kg	U	1
trans-1,2-dichloroethene	BQL	6.96	ug/kg	U	1
trans-1,3-dichloropropene	BQL	6.96	ug/kg	U	1

Summary of Analytical Results

Client ID AA1008
GPL ID: 9126-003-01-1/2
Matrix: Soil
Date Collected: Sep-19-2000
Date Received: Sep-21-2000

Prep Method: SW5030B
Prep Date: Sep-22-2000
Prep Time: 07:46
Prep Chemist: NAZIH ABADEER

Analytical Method: SW8260B_TCL
Date Analyzed: Sep-22-2000
Time Analyzed 14:04
Analyst: NAZIH ABADEER

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	6.77	ug/kg	U	1
1,1,2,2-Tetrachloroethane	BQL	6.77	ug/kg	U	1
1,1,2-Trichloroethane	BQL	6.77	ug/kg	U	1
1,1-Dichloroethane	BQL	6.77	ug/kg	U	1
1,1-Dichloroethene	BQL	6.77	ug/kg	U	1
1,2-Dichloroethane	BQL	6.77	ug/kg	U	1
1,2-Dichloropropane	BQL	6.77	ug/kg	U	1
2-Butanone	BQL	13.5	ug/kg	U	1
2-Hexanone	BQL	13.5	ug/kg	U	1
4-Methyl-2-Pentanone	BQL	13.5	ug/kg	U	1
Acetone	BQL	13.5	ug/kg	U	1
Benzene	BQL	6.77	ug/kg	U	1
Bromodichloromethane	BQL	6.77	ug/kg	U	1
Bromoform	BQL	6.77	ug/kg	U	1
Bromomethane	BQL	13.5	ug/kg	U	1
Carbon Disulfide	BQL	6.77	ug/kg	U	1
Carbon Tetrachloride	BQL	6.77	ug/kg	U	1
Chlorobenzene	BQL	6.77	ug/kg	U	1
Chloroethane	BQL	13.5	ug/kg	U	1
Chloroform	BQL	6.77	ug/kg	U	1
Chloromethane	BQL	13.5	ug/kg	U	1
Dibromochloromethane	BQL	6.77	ug/kg	U	1
Ethylbenzene	BQL	6.77	ug/kg	U	1
Methylene Chloride	3.73	6.77	ug/kg	J	1
Styrene	BQL	6.77	ug/kg	U	1
Tetrachloroethene	BQL	6.77	ug/kg	U	1
Toluene	BQL	6.77	ug/kg	U	1
Trichloroethene	BQL	6.77	ug/kg	U	1
Vinyl Chloride	BQL	13.5	ug/kg	U	1
cis-1,2-Dichloroethene	BQL	6.77	ug/kg	U	1
cis-1,3-Dichloropropene	BQL	6.77	ug/kg	U	1
m,p-Xylenes	BQL	6.77	ug/kg	U	1
o-Xylene	BQL	6.77	ug/kg	U	1
trans-1,2-dichloroethene	BQL	6.77	ug/kg	U	1
trans-1,3-dichloropropene	BQL	6.77	ug/kg	U	1

Summary of Analytical Results

Client ID AB1005
GPL ID: 9126-004-01-1/2
Matrix: Soil
Date Collected: Sep-19-2000
Date Received: Sep-21-2000

Prep Method: SW5030B
Prep Date: Sep-22-2000
Prep Time: 07:46
Prep Chemist: NAZIH ABADEER

Analytical Method: SW8260B_TCL
Date Analyzed: Sep-22-2000
Time Analyzed 14:45
Analyst: NAZIH ABADEER

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	7.27	ug/kg	U	1
1,1,2,2-Tetrachloroethane	BQL	7.27	ug/kg	U	1
1,1,2-Trichloroethane	BQL	7.27	ug/kg	U	1
1,1-Dichloroethane	BQL	7.27	ug/kg	U	1
1,1-Dichloroethene	BQL	7.27	ug/kg	U	1
1,2-Dichloroethane	BQL	7.27	ug/kg	U	1
1,2-Dichloropropane	BQL	7.27	ug/kg	U	1
2-Butanone	BQL	14.5	ug/kg	U	1
2-Hexanone	BQL	14.5	ug/kg	U	1
4-Methyl-2-Pentanone	BQL	14.5	ug/kg	U	1
Acetone	BQL	14.5	ug/kg	U	1
Benzene	BQL	7.27	ug/kg	U	1
Bromodichloromethane	BQL	7.27	ug/kg	U	1
Bromoform	BQL	7.27	ug/kg	U	1
Bromomethane	BQL	14.5	ug/kg	U	1
Carbon Disulfide	BQL	7.27	ug/kg	U	1
Carbon Tetrachloride	BQL	7.27	ug/kg	U	1
Chlorobenzene	BQL	7.27	ug/kg	U	1
Chloroethane	BQL	14.5	ug/kg	U	1
Chloroform	BQL	7.27	ug/kg	U	1
Chloromethane	BQL	14.5	ug/kg	U	1
Dibromochloromethane	BQL	7.27	ug/kg	U	1
Ethylbenzene	BQL	7.27	ug/kg	U	1
Methylene Chloride	4.47	7.27	ug/kg	J	1
Styrene	BQL	7.27	ug/kg	U	1
Tetrachloroethene	BQL	7.27	ug/kg	U	1
Toluene	BQL	7.27	ug/kg	U	1
Trichloroethene	BQL	7.27	ug/kg	U	1
Vinyl Chloride	BQL	14.5	ug/kg	U	1
cis-1,2-Dichloroethene	BQL	7.27	ug/kg	U	1
cis-1,3-Dichloropropene	BQL	7.27	ug/kg	U	1
m,p-Xylenes	BQL	7.27	ug/kg	U	1
o-Xylene	BQL	7.27	ug/kg	U	1
trans-1,2-dichloroethene	BQL	7.27	ug/kg	U	1
trans-1,3-dichloropropene	BQL	7.27	ug/kg	U	1

Summary of Analytical Results

Client ID AB1007
GPL ID: 9126-005-01-1/2
Matrix: Soil
Date Collected: Sep-19-2000
Date Received: Sep-21-2000

Prep Method: SW5030B
Prep Date: Sep-22-2000
Prep Time: 07:46
Prep Chemist: NAZIH ABADEER

Analytical Method: SW8260B_TCL
Date Analyzed: Sep-22-2000
Time Analyzed 15:25
Analyst: NAZIH ABADEER

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	6.32	ug/kg	U	1
1,1,2,2-Tetrachloroethane	BQL	6.32	ug/kg	U	1
1,1,2-Trichloroethane	BQL	6.32	ug/kg	U	1
1,1-Dichloroethane	BQL	6.32	ug/kg	U	1
1,1-Dichloroethene	BQL	6.32	ug/kg	U	1
1,2-Dichloroethane	BQL	6.32	ug/kg	U	1
1,2-Dichloropropane	BQL	6.32	ug/kg	U	1
2-Butanone	BQL	12.6	ug/kg	U	1
2-Hexanone	BQL	12.6	ug/kg	U	1
4-Methyl-2-Pentanone	BQL	12.6	ug/kg	U	1
Acetone	BQL	12.6	ug/kg	U	1
Benzene	BQL	6.32	ug/kg	U	1
Bromodichloromethane	BQL	6.32	ug/kg	U	1
Bromoform	BQL	6.32	ug/kg	U	1
Bromomethane	BQL	12.6	ug/kg	U	1
Carbon Disulfide	BQL	6.32	ug/kg	U	1
Carbon Tetrachloride	BQL	6.32	ug/kg	U	1
Chlorobenzene	BQL	6.32	ug/kg	U	1
Chloroethane	BQL	12.6	ug/kg	U	1
Chloroform	BQL	6.32	ug/kg	U	1
Chloromethane	BQL	12.6	ug/kg	U	1
Dibromochloromethane	BQL	6.32	ug/kg	U	1
Ethylbenzene	BQL	6.32	ug/kg	U	1
Methylene Chloride	5.47	6.32	ug/kg	J	1
Styrene	BQL	6.32	ug/kg	U	1
Tetrachloroethene	BQL	6.32	ug/kg	U	1
Toluene	BQL	6.32	ug/kg	U	1
Trichloroethene	BQL	6.32	ug/kg	U	1
Vinyl Chloride	BQL	12.6	ug/kg	U	1
cis-1,2-Dichloroethene	BQL	6.32	ug/kg	U	1
cis-1,3-Dichloropropene	BQL	6.32	ug/kg	U	1
m,p-Xylenes	BQL	6.32	ug/kg	U	1
o-Xylene	BQL	6.32	ug/kg	U	1
trans-1,2-dichloroethene	BQL	6.32	ug/kg	U	1
trans-1,3-dichloropropene	BQL	6.32	ug/kg	U	1

Summary of Analytical Results

Client ID AB1008
GPL ID: 9126-006-01-1/2
Matrix: Soil
Date Collected: Sep-19-2000
Date Received: Sep-21-2000

Prep Method: SW5030B
Prep Date: Sep-22-2000
Prep Time: 07:46
Prep Chemist: NAZIH ABADEER

Analytical Method: SW8260B_TCL
Date Analyzed: Sep-22-2000
Time Analyzed 16:05
Analyst: NAZIH ABADEER

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	6.3	ug/kg	U	1
1,1,2,2-Tetrachloroethane	BQL	6.3	ug/kg	U	1
1,1,2-Trichloroethane	BQL	6.3	ug/kg	U	1
1,1-Dichloroethane	BQL	6.3	ug/kg	U	1
1,1-Dichloroethene	BQL	6.3	ug/kg	U	1
1,2-Dichloroethane	BQL	6.3	ug/kg	U	1
1,2-Dichloropropane	BQL	6.3	ug/kg	U	1
2-Butanone	BQL	12.6	ug/kg	U	1
2-Hexanone	BQL	12.6	ug/kg	U	1
4-Methyl-2-Pentanone	BQL	12.6	ug/kg	U	1
Acetone	5.63	12.6	ug/kg	J	1
Benzene	BQL	6.3	ug/kg	U	1
Bromodichloromethane	BQL	6.3	ug/kg	U	1
Bromoform	BQL	6.3	ug/kg	U	1
Bromomethane	BQL	12.6	ug/kg	U	1
Carbon Disulfide	BQL	6.3	ug/kg	U	1
Carbon Tetrachloride	BQL	6.3	ug/kg	U	1
Chlorobenzene	BQL	6.3	ug/kg	U	1
Chloroethane	BQL	12.6	ug/kg	U	1
Chloroform	BQL	6.3	ug/kg	U	1
Chloromethane	BQL	12.6	ug/kg	U	1
Dibromochloromethane	BQL	6.3	ug/kg	U	1
Ethylbenzene	BQL	6.3	ug/kg	U	1
Methylene Chloride	4.76	6.3	ug/kg	J	1
Styrene	BQL	6.3	ug/kg	U	1
Tetrachloroethene	BQL	6.3	ug/kg	U	1
Toluene	BQL	6.3	ug/kg	U	1
Trichloroethene	BQL	6.3	ug/kg	U	1
Vinyl Chloride	BQL	12.6	ug/kg	U	1
cis-1,2-Dichloroethene	BQL	6.3	ug/kg	U	1
cis-1,3-Dichloropropene	BQL	6.3	ug/kg	U	1
m,p-Xylenes	BQL	6.3	ug/kg	U	1
o-Xylene	BQL	6.3	ug/kg	U	1
trans-1,2-dichloroethene	BQL	6.3	ug/kg	U	1
trans-1,3-dichloropropene	BQL	6.3	ug/kg	U	1

Summary of Analytical Results

Client ID AB1009
GPL ID: 9126-007-01-1/2
Matrix: Soil
Date Collected: Sep-19-2000
Date Received: Sep-21-2000

Prep Method: SW5030B
Prep Date: Sep-22-2000
Prep Time: 07:46
Prep Chemist: NAZIH ABADEER

Analytical Method: SW8260B_TCL
Date Analyzed: Sep-22-2000
Time Analyzed 16:46
Analyst: NAZIH ABADEER

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	6.44	ug/kg	U	1
1,1,2,2-Tetrachloroethane	BQL	6.44	ug/kg	U	1
1,1,2-Trichloroethane	BQL	6.44	ug/kg	U	1
1,1-Dichloroethane	BQL	6.44	ug/kg	U	1
1,1-Dichloroethene	BQL	6.44	ug/kg	U	1
1,2-Dichloroethane	BQL	6.44	ug/kg	U	1
1,2-Dichloropropane	BQL	6.44	ug/kg	U	1
2-Butanone	BQL	12.9	ug/kg	U	1
2-Hexanone	BQL	12.9	ug/kg	U	1
4-Methyl-2-Pentanone	BQL	12.9	ug/kg	U	1
Acetone	BQL	12.9	ug/kg	U	1
Benzene	BQL	6.44	ug/kg	U	1
Bromodichloromethane	BQL	6.44	ug/kg	U	1
Bromoform	BQL	6.44	ug/kg	U	1
Bromomethane	BQL	12.9	ug/kg	U	1
Carbon Disulfide	BQL	6.44	ug/kg	U	1
Carbon Tetrachloride	BQL	6.44	ug/kg	U	1
Chlorobenzene	BQL	6.44	ug/kg	U	1
Chloroethane	BQL	12.9	ug/kg	U	1
Chloroform	BQL	6.44	ug/kg	U	1
Chloromethane	BQL	12.9	ug/kg	U	1
Dibromochloromethane	BQL	6.44	ug/kg	U	1
Ethylbenzene	BQL	6.44	ug/kg	U	1
Methylene Chloride	4.85	6.44	ug/kg	J	1
Styrene	BQL	6.44	ug/kg	U	1
Tetrachloroethene	BQL	6.44	ug/kg	U	1
Toluene	BQL	6.44	ug/kg	U	1
Trichloroethene	BQL	6.44	ug/kg	U	1
Vinyl Chloride	BQL	12.9	ug/kg	U	1
cis-1,2-Dichloroethene	BQL	6.44	ug/kg	U	1
cis-1,3-Dichloropropene	BQL	6.44	ug/kg	U	1
m,p-Xylenes	BQL	6.44	ug/kg	U	1
o-Xylene	BQL	6.44	ug/kg	U	1
trans-1,2-dichloroethene	BQL	6.44	ug/kg	U	1
trans-1,3-dichloropropene	BQL	6.44	ug/kg	U	1

Summary of Analytical Results

Client ID AB1010
GPL ID: 9126-008-01-1/2
Matrix: Soil
Date Collected: Sep-19-2000
Date Received: Sep-21-2000

Prep Method: SW5030B
Prep Date: Sep-22-2000
Prep Time: 07:46
Prep Chemist: NAZIH ABADEER

Analytical Method: SW8260B_TCL
Date Analyzed: Sep-22-2000
Time Analyzed 17:25
Analyst: NAZIH ABADEER

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	6.53	ug/kg	U	1
1,1,2,2-Tetrachloroethane	BQL	6.53	ug/kg	U	1
1,1,2-Trichloroethane	BQL	6.53	ug/kg	U	1
1,1-Dichloroethane	BQL	6.53	ug/kg	U	1
1,1-Dichloroethene	BQL	6.53	ug/kg	U	1
1,2-Dichloroethane	BQL	6.53	ug/kg	U	1
1,2-Dichloropropane	BQL	6.53	ug/kg	U	1
2-Butanone	BQL	13.1	ug/kg	U	1
2-Hexanone	BQL	13.1	ug/kg	U	1
4-Methyl-2-Pentanone	BQL	13.1	ug/kg	U	1
Acetone	4.75	13.1	ug/kg	J	1
Benzene	BQL	6.53	ug/kg	U	1
Bromodichloromethane	BQL	6.53	ug/kg	U	1
Bromoform	BQL	6.53	ug/kg	U	1
Bromomethane	BQL	13.1	ug/kg	U	1
Carbon Disulfide	BQL	6.53	ug/kg	U	1
Carbon Tetrachloride	BQL	6.53	ug/kg	U	1
Chlorobenzene	BQL	6.53	ug/kg	U	1
Chloroethane	BQL	13.1	ug/kg	U	1
Chloroform	BQL	6.53	ug/kg	U	1
Chloromethane	BQL	13.1	ug/kg	U	1
Dibromochloromethane	BQL	6.53	ug/kg	U	1
Ethylbenzene	BQL	6.53	ug/kg	U	1
Methylene Chloride	4.14	6.53	ug/kg	J	1
Styrene	BQL	6.53	ug/kg	U	1
Tetrachloroethene	BQL	6.53	ug/kg	U	1
Toluene	BQL	6.53	ug/kg	U	1
Trichloroethene	BQL	6.53	ug/kg	U	1
Vinyl Chloride	BQL	13.1	ug/kg	U	1
cis-1,2-Dichloroethene	BQL	6.53	ug/kg	U	1
cis-1,3-Dichloropropene	BQL	6.53	ug/kg	U	1
m,p-Xylenes	BQL	6.53	ug/kg	U	1
o-Xylene	BQL	6.53	ug/kg	U	1
trans-1,2-dichloroethene	BQL	6.53	ug/kg	U	1
trans-1,3-dichloropropene	BQL	6.53	ug/kg	U	1

Summary of Analytical Results

Client ID AB1011
GPL ID: 9126-009-01-1/2
Matrix: Soil
Date Collected: Sep-19-2000
Date Received: Sep-21-2000

Prep Method: SW5030B
Prep Date: Sep-22-2000
Prep Time: 07:46
Prep Chemist: NAZIH ABADEER

Analytical Method: SW8260B_TCL
Date Analyzed: Sep-22-2000
Time Analyzed 18:05
Analyst: NAZIH ABADEER

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	6.74	ug/kg	U	1
1,1,2,2-Tetrachloroethane	BQL	6.74	ug/kg	U	1
1,1,2-Trichloroethane	BQL	6.74	ug/kg	U	1
1,1-Dichloroethane	BQL	6.74	ug/kg	U	1
1,1-Dichloroethene	BQL	6.74	ug/kg	U	1
1,2-Dichloroethane	BQL	6.74	ug/kg	U	1
1,2-Dichloropropane	BQL	6.74	ug/kg	U	1
2-Butanone	BQL	13.5	ug/kg	U	1
2-Hexanone	BQL	13.5	ug/kg	U	1
4-Methyl-2-Pentanone	BQL	13.5	ug/kg	U	1
Acetone	3.51	13.5	ug/kg	J	1
Benzene	BQL	6.74	ug/kg	U	1
Bromodichloromethane	BQL	6.74	ug/kg	U	1
Bromoform	BQL	6.74	ug/kg	U	1
Bromomethane	BQL	13.5	ug/kg	U	1
Carbon Disulfide	BQL	6.74	ug/kg	U	1
Carbon Tetrachloride	BQL	6.74	ug/kg	U	1
Chlorobenzene	BQL	6.74	ug/kg	U	1
Chloroethane	BQL	13.5	ug/kg	U	1
Chloroform	BQL	6.74	ug/kg	U	1
Chloromethane	BQL	13.5	ug/kg	U	1
Dibromochloromethane	BQL	6.74	ug/kg	U	1
Ethylbenzene	BQL	6.74	ug/kg	U	1
Methylene Chloride	3.66	6.74	ug/kg	J	1
Styrene	BQL	6.74	ug/kg	U	1
Tetrachloroethene	BQL	6.74	ug/kg	U	1
Toluene	BQL	6.74	ug/kg	U	1
Trichloroethene	BQL	6.74	ug/kg	U	1
Vinyl Chloride	BQL	13.5	ug/kg	U	1
cis-1,2-Dichloroethene	BQL	6.74	ug/kg	U	1
cis-1,3-Dichloropropene	BQL	6.74	ug/kg	U	1
m,p-Xylenes	BQL	6.74	ug/kg	U	1
o-Xylene	BQL	6.74	ug/kg	U	1
trans-1,2-dichloroethene	BQL	6.74	ug/kg	U	1
trans-1,3-dichloropropene	BQL	6.74	ug/kg	U	1

Summary of Analytical Results

Client ID AB1012
GPL ID: 9126-010-01-1/2
Matrix: Soil
Date Collected: Sep-19-2000
Date Received: Sep-21-2000

Prep Method: SW5030B
Prep Date: Sep-22-2000
Prep Time: 07:46
Prep Chemist: NAZIH ABADEER

Analytical Method: SW8260B_TCL
Date Analyzed: Sep-22-2000
Time Analyzed 18:44
Analyst: NAZIH ABADEER

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	6.43	ug/kg	U	1
1,1,2,2-Tetrachloroethane	BQL	6.43	ug/kg	U	1
1,1,2-Trichloroethane	BQL	6.43	ug/kg	U	1
1,1-Dichloroethane	BQL	6.43	ug/kg	U	1
1,1-Dichloroethene	BQL	6.43	ug/kg	U	1
1,2-Dichloroethane	BQL	6.43	ug/kg	U	1
1,2-Dichloropropane	BQL	6.43	ug/kg	U	1
2-Butanone	BQL	12.9	ug/kg	U	1
2-Hexanone	BQL	12.9	ug/kg	U	1
4-Methyl-2-Pentanone	BQL	12.9	ug/kg	U	1
Acetone	BQL	12.9	ug/kg	U	1
Benzene	BQL	6.43	ug/kg	U	1
Bromodichloromethane	BQL	6.43	ug/kg	U	1
Bromoform	BQL	6.43	ug/kg	U	1
Bromomethane	BQL	12.9	ug/kg	U	1
Carbon Disulfide	BQL	6.43	ug/kg	U	1
Carbon Tetrachloride	BQL	6.43	ug/kg	U	1
Chlorobenzene	BQL	6.43	ug/kg	U	1
Chloroethane	BQL	12.9	ug/kg	U	1
Chloroform	BQL	6.43	ug/kg	U	1
Chloromethane	BQL	12.9	ug/kg	U	1
Dibromochloromethane	BQL	6.43	ug/kg	U	1
Ethylbenzene	BQL	6.43	ug/kg	U	1
Methylene Chloride	3.79	6.43	ug/kg	J	1
Styrene	BQL	6.43	ug/kg	U	1
Tetrachloroethene	BQL	6.43	ug/kg	U	1
Toluene	BQL	6.43	ug/kg	U	1
Trichloroethene	BQL	6.43	ug/kg	U	1
Vinyl Chloride	BQL	12.9	ug/kg	U	1
cis-1,2-Dichloroethene	BQL	6.43	ug/kg	U	1
cis-1,3-Dichloropropene	BQL	6.43	ug/kg	U	1
m,p-Xylenes	BQL	6.43	ug/kg	U	1
o-Xylene	BQL	6.43	ug/kg	U	1
trans-1,2-dichloroethene	BQL	6.43	ug/kg	U	1
trans-1,3-dichloropropene	BQL	6.43	ug/kg	U	1

Summary of Analytical Results

Client ID AB1013
GPL ID: 9126-011-01-1/2
Matrix: Soil
Date Collected: Sep-19-2000
Date Received: Sep-21-2000

Prep Method: SW5030B
Prep Date: Sep-22-2000
Prep Time: 07:46
Prep Chemist: NAZIH ABADEER

Analytical Method: SW8260B_TCL
Date Analyzed: Sep-22-2000
Time Analyzed 19:24
Analyst: NAZIH ABADEER

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	6.3	ug/kg	U	1
1,1,2,2-Tetrachloroethane	BQL	6.3	ug/kg	U	1
1,1,2-Trichloroethane	BQL	6.3	ug/kg	U	1
1,1-Dichloroethane	BQL	6.3	ug/kg	U	1
1,1-Dichloroethene	BQL	6.3	ug/kg	U	1
1,2-Dichloroethane	BQL	6.3	ug/kg	U	1
1,2-Dichloropropane	BQL	6.3	ug/kg	U	1
2-Butanone	BQL	12.6	ug/kg	U	1
2-Hexanone	BQL	12.6	ug/kg	U	1
4-Methyl-2-Pentanone	BQL	12.6	ug/kg	U	1
Acetone	BQL	12.6	ug/kg	U	1
Benzene	BQL	6.3	ug/kg	U	1
Bromodichloromethane	BQL	6.3	ug/kg	U	1
Bromoform	BQL	6.3	ug/kg	U	1
Bromomethane	BQL	12.6	ug/kg	U	1
Carbon Disulfide	BQL	6.3	ug/kg	U	1
Carbon Tetrachloride	BQL	6.3	ug/kg	U	1
Chlorobenzene	BQL	6.3	ug/kg	U	1
Chloroethane	BQL	12.6	ug/kg	U	1
Chloroform	BQL	6.3	ug/kg	U	1
Chloromethane	BQL	12.6	ug/kg	U	1
Dibromochloromethane	BQL	6.3	ug/kg	U	1
Ethylbenzene	BQL	6.3	ug/kg	U	1
Methylene Chloride	4.12	6.3	ug/kg	J	1
Styrene	BQL	6.3	ug/kg	U	1
Tetrachloroethene	BQL	6.3	ug/kg	U	1
Toluene	BQL	6.3	ug/kg	U	1
Trichloroethene	BQL	6.3	ug/kg	U	1
Vinyl Chloride	BQL	12.6	ug/kg	U	1
cis-1,2-Dichloroethene	BQL	6.3	ug/kg	U	1
cis-1,3-Dichloropropene	BQL	6.3	ug/kg	U	1
m,p-Xylenes	BQL	6.3	ug/kg	U	1
o-Xylene	BQL	6.3	ug/kg	U	1
trans-1,2-dichloroethene	BQL	6.3	ug/kg	U	1
trans-1,3-dichloropropene	BQL	6.3	ug/kg	U	1

Summary of Analytical Results

Client ID AB1014
GPL ID: 9126-012-01-1/2
Matrix: Soil
Date Collected: Sep-19-2000
Date Received: Sep-21-2000

Prep Method: SW5030B
Prep Date: Sep-25-2000
Prep Time: 09:17
Prep Chemist: NAZIH ABADEER

Analytical Method: SW8260B_TCL
Date Analyzed: Sep-25-2000
Time Analyzed 11:50
Analyst: NAZIH ABADEER

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	6.31	ug/kg	U	1
1,1,2,2-Tetrachloroethane	BQL	6.31	ug/kg	U	1
1,1,2-Trichloroethane	BQL	6.31	ug/kg	U	1
1,1-Dichloroethane	BQL	6.31	ug/kg	U	1
1,1-Dichloroethene	BQL	6.31	ug/kg	U	1
1,2-Dichloroethane	BQL	6.31	ug/kg	U	1
1,2-Dichloropropane	BQL	6.31	ug/kg	U	1
2-Butanone	BQL	12.6	ug/kg	U	1
2-Hexanone	BQL	12.6	ug/kg	U	1
4-Methyl-2-Pentanone	BQL	12.6	ug/kg	U	1
Acetone	BQL	12.6	ug/kg	U	1
Benzene	BQL	6.31	ug/kg	U	1
Bromodichloromethane	BQL	6.31	ug/kg	U	1
Bromoform	BQL	6.31	ug/kg	U	1
Bromomethane	BQL	12.6	ug/kg	U	1
Carbon Disulfide	BQL	6.31	ug/kg	U	1
Carbon Tetrachloride	BQL	6.31	ug/kg	U	1
Chlorobenzene	BQL	6.31	ug/kg	U	1
Chloroethane	BQL	12.6	ug/kg	U	1
Chloroform	BQL	6.31	ug/kg	U	1
Chloromethane	BQL	12.6	ug/kg	U	1
Dibromochloromethane	BQL	6.31	ug/kg	U	1
Ethylbenzene	BQL	6.31	ug/kg	U	1
Methylene Chloride	3.95	6.31	ug/kg	J	1
Styrene	BQL	6.31	ug/kg	U	1
Tetrachloroethene	BQL	6.31	ug/kg	U	1
Toluene	BQL	6.31	ug/kg	U	1
Trichloroethene	BQL	6.31	ug/kg	U	1
Vinyl Chloride	BQL	12.6	ug/kg	U	1
cis-1,2-Dichloroethene	BQL	6.31	ug/kg	U	1
cis-1,3-Dichloropropene	BQL	6.31	ug/kg	U	1
m,p-Xylenes	BQL	6.31	ug/kg	U	1
o-Xylene	BQL	6.31	ug/kg	U	1
trans-1,2-dichloroethene	BQL	6.31	ug/kg	U	1
trans-1,3-dichloropropene	BQL	6.31	ug/kg	U	1

Summary of Analytical Results

Client ID AB1015
GPL ID: 9126-013-01-1/2
Matrix: Soil
Date Collected: Sep-19-2000
Date Received: Sep-21-2000

Prep Method: SW5030B
Prep Date: Sep-25-2000
Prep Time: 09:17
Prep Chemist: NAZIH ABADEER

Analytical Method: SW8260B_TCL
Date Analyzed: Sep-25-2000
Time Analyzed 12:34
Analyst: NAZIH ABADEER

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	5.78	ug/kg	U	1
1,1,2,2-Tetrachloroethane	BQL	5.78	ug/kg	U	1
1,1,2-Trichloroethane	BQL	5.78	ug/kg	U	1
1,1-Dichloroethane	BQL	5.78	ug/kg	U	1
1,1-Dichloroethene	BQL	5.78	ug/kg	U	1
1,2-Dichloroethane	BQL	5.78	ug/kg	U	1
1,2-Dichloropropane	BQL	5.78	ug/kg	U	1
2-Butanone	BQL	11.6	ug/kg	U	1
2-Hexanone	BQL	11.6	ug/kg	U	1
4-Methyl-2-Pentanone	BQL	11.6	ug/kg	U	1
Acetone	BQL	11.6	ug/kg	U	1
Benzene	BQL	5.78	ug/kg	U	1
Bromodichloromethane	BQL	5.78	ug/kg	U	1
Bromoform	BQL	5.78	ug/kg	U	1
Bromomethane	BQL	11.6	ug/kg	U	1
Carbon Disulfide	BQL	5.78	ug/kg	U	1
Carbon Tetrachloride	BQL	5.78	ug/kg	U	1
Chlorobenzene	BQL	5.78	ug/kg	U	1
Chloroethane	BQL	11.6	ug/kg	U	1
Chloroform	BQL	5.78	ug/kg	U	1
Chloromethane	BQL	11.6	ug/kg	U	1
Dibromochloromethane	BQL	5.78	ug/kg	U	1
Ethylbenzene	BQL	5.78	ug/kg	U	1
Methylene Chloride	BQL	5.78	ug/kg	U	1
Styrene	BQL	5.78	ug/kg	U	1
Tetrachloroethene	BQL	5.78	ug/kg	U	1
Toluene	BQL	5.78	ug/kg	U	1
Trichloroethene	BQL	5.78	ug/kg	U	1
Vinyl Chloride	BQL	11.6	ug/kg	U	1
cis-1,2-Dichloroethene	BQL	5.78	ug/kg	U	1
cis-1,3-Dichloropropene	BQL	5.78	ug/kg	U	1
m,p-Xylenes	BQL	5.78	ug/kg	U	1
o-Xylene	BQL	5.78	ug/kg	U	1
trans-1,2-dichloroethene	BQL	5.78	ug/kg	U	1
trans-1,3-dichloropropene	BQL	5.78	ug/kg	U	1

Summary of Analytical Results

Client ID AB1018
GPL ID: 9126-014-02-2/2
Matrix: Soil
Date Collected: Sep-19-2000
Date Received: Sep-21-2000

Prep Method: SW5030B
Prep Date: Sep-25-2000
Prep Time: 09:17
Prep Chemist: NAZIH ABADEER

Analytical Method: SW8260B_TCL
Date Analyzed: Sep-25-2000
Time Analyzed 13:24
Analyst: NAZIH ABADEER

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	6.41	ug/kg	U	1
1,1,2,2-Tetrachloroethane	BQL	6.41	ug/kg	U	1
1,1,2-Trichloroethane	BQL	6.41	ug/kg	U	1
1,1-Dichloroethane	BQL	6.41	ug/kg	U	1
1,1-Dichloroethene	BQL	6.41	ug/kg	U	1
1,2-Dichloroethane	BQL	6.41	ug/kg	U	1
1,2-Dichloropropane	BQL	6.41	ug/kg	U	1
2-Butanone	BQL	12.8	ug/kg	U	1
2-Hexanone	BQL	12.8	ug/kg	U	1
4-Methyl-2-Pentanone	BQL	12.8	ug/kg	U	1
Acetone	BQL	12.8	ug/kg	U	1
Benzene	BQL	6.41	ug/kg	U	1
Bromodichloromethane	BQL	6.41	ug/kg	U	1
Bromoform	BQL	6.41	ug/kg	U	1
Bromomethane	BQL	12.8	ug/kg	U	1
Carbon Disulfide	BQL	6.41	ug/kg	U	1
Carbon Tetrachloride	BQL	6.41	ug/kg	U	1
Chlorobenzene	BQL	6.41	ug/kg	U	1
Chloroethane	BQL	12.8	ug/kg	U	1
Chloroform	BQL	6.41	ug/kg	U	1
Chloromethane	BQL	12.8	ug/kg	U	1
Dibromochloromethane	BQL	6.41	ug/kg	U	1
Ethylbenzene	BQL	6.41	ug/kg	U	1
Methylene Chloride	2.57	6.41	ug/kg	J	1
Styrene	BQL	6.41	ug/kg	U	1
Tetrachloroethene	BQL	6.41	ug/kg	U	1
Toluene	BQL	6.41	ug/kg	U	1
Trichloroethene	BQL	6.41	ug/kg	U	1
Vinyl Chloride	BQL	12.8	ug/kg	U	1
cis-1,2-Dichloroethene	BQL	6.41	ug/kg	U	1
cis-1,3-Dichloropropene	BQL	6.41	ug/kg	U	1
m,p-Xylenes	BQL	6.41	ug/kg	U	1
o-Xylene	BQL	6.41	ug/kg	U	1
trans-1,2-dichloroethene	BQL	6.41	ug/kg	U	1
trans-1,3-dichloropropene	BQL	6.41	ug/kg	U	1

Summary of Analytical Results

Client ID 09192000-TB
GPL ID: 9126-001-01-1/2
Matrix: Water
Date Collected: Sep-19-2000
Date Received: Sep-21-2000

Prep Method: SW5030B
Prep Date: Sep-25-2000
Prep Time: 06:56
Prep Chemist: Jannina S. Bryan

Analytical Method: SW8260LL_TCL
Date Analyzed: Sep-25-2000
Time Analyzed 10:40
Analyst: NAZIH ABADEER

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	1	ug/L	U	1
1,1,2,2-Tetrachloroethane	BQL	1	ug/L	U	1
1,1,2-Trichloroethane	BQL	1	ug/L	U	1
1,1-Dichloroethane	BQL	1	ug/L	U	1
1,1-Dichloroethene	BQL	1	ug/L	U	1
1,2-Dichloroethane	BQL	1	ug/L	U	1
1,2-Dichloropropane	BQL	1	ug/L	U	1
2-Butanone	BQL	5	ug/L	U	1
2-Hexanone	BQL	5	ug/L	U	1
4-Methyl-2-Pentanone	BQL	5	ug/L	U	1
Acetone	BQL	5	ug/L	U	1
Benzene	BQL	1	ug/L	U	1
Bromodichloromethane	BQL	1	ug/L	U	1
Bromoform	BQL	1	ug/L	U	1
Bromomethane	BQL	1	ug/L	U	1
Carbon Disulfide	BQL	1	ug/L	U	1
Carbon Tetrachloride	BQL	1	ug/L	U	1
Chlorobenzene	BQL	1	ug/L	U	1
Chloroethane	BQL	1	ug/L	U	1
Chloroform	BQL	1	ug/L	U	1
Chloromethane	BQL	1	ug/L	U	1
Dibromochloromethane	BQL	1	ug/L	U	1
Ethylbenzene	BQL	1	ug/L	U	1
Methylene Chloride	1.44	1	ug/L		1
Styrene	BQL	1	ug/L	U	1
Tetrachloroethene	BQL	1	ug/L	U	1
Toluene	BQL	1	ug/L	U	1
Trichloroethene	BQL	1	ug/L	U	1
Vinyl Chloride	BQL	1	ug/L	U	1
cis-1,2-Dichloroethene	BQL	1	ug/L	U	1
cis-1,3-Dichloropropene	BQL	1	ug/L	U	1
m,p-Xylenes	BQL	1	ug/L	U	1
o-Xylene	BQL	1	ug/L	U	1
trans-1,2-dichloroethene	BQL	1	ug/L	U	1
trans-1,3-dichloropropene	BQL	1	ug/L	U	1

Summary of Analytical Results

Client ID AB2005
GPL ID: 9126-015-01-1/3
Matrix: Water
Date Collected: Sep-19-2000
Date Received: Sep-21-2000

Prep Method: SW5030B
Prep Date: Sep-25-2000
Prep Time: 06:56
Prep Chemist: Jannina S. Bryan

Analytical Method: SW8260LL_TCL
Date Analyzed: Sep-25-2000
Time Analyzed 11:14
Analyst: NAZIH ABADEER

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	1	ug/L	U	1
1,1,2,2-Tetrachloroethane	BQL	1	ug/L	U	1
1,1,2-Trichloroethane	BQL	1	ug/L	U	1
1,1-Dichloroethane	BQL	1	ug/L	U	1
1,1-Dichloroethene	BQL	1	ug/L	U	1
1,2-Dichloroethane	BQL	1	ug/L	U	1
1,2-Dichloropropane	BQL	1	ug/L	U	1
2-Butanone	BQL	5	ug/L	U	1
2-Hexanone	BQL	5	ug/L	U	1
4-Methyl-2-Pentanone	BQL	5	ug/L	U	1
Acetone	BQL	5	ug/L	U	1
Benzene	BQL	1	ug/L	U	1
Bromodichloromethane	BQL	1	ug/L	U	1
Bromoform	BQL	1	ug/L	U	1
Bromomethane	BQL	1	ug/L	U	1
Carbon Disulfide	1.72	1	ug/L		1
Carbon Tetrachloride	BQL	1	ug/L	U	1
Chlorobenzene	BQL	1	ug/L	U	1
Chloroethane	BQL	1	ug/L	U	1
Chloroform	BQL	1	ug/L	U	1
Chloromethane	BQL	1	ug/L	U	1
Dibromochloromethane	BQL	1	ug/L	U	1
Ethylbenzene	BQL	1	ug/L	U	1
Methylene Chloride	0.930	1	ug/L	J	1
Styrene	BQL	1	ug/L	U	1
Tetrachloroethene	BQL	1	ug/L	U	1
Toluene	BQL	1	ug/L	U	1
Trichloroethene	BQL	1	ug/L	U	1
Vinyl Chloride	BQL	1	ug/L	U	1
cis-1,2-Dichloroethene	BQL	1	ug/L	U	1
cis-1,3-Dichloropropene	BQL	1	ug/L	U	1
m,p-Xylenes	BQL	1	ug/L	U	1
o-Xylene	BQL	1	ug/L	U	1
trans-1,2-dichloroethene	BQL	1	ug/L	U	1
trans-1,3-dichloropropene	BQL	1	ug/L	U	1

Summary of Analytical Results

Client ID AB2007
GPL ID: 9126-016-01-1/3
Matrix: Water
Date Collected: Sep-19-2000
Date Received: Sep-21-2000

Prep Method: SW5030B
Prep Date: Sep-25-2000
Prep Time: 06:56
Prep Chemist: Jannina S. Bryan

Analytical Method: SW8260LL_TCL
Date Analyzed: Sep-25-2000
Time Analyzed 11:47
Analyst: NAZIH ABADEER

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	1	ug/L	U	1
1,1,2,2-Tetrachloroethane	BQL	1	ug/L	U	1
1,1,2-Trichloroethane	BQL	1	ug/L	U	1
1,1-Dichloroethane	BQL	1	ug/L	U	1
1,1-Dichloroethene	BQL	1	ug/L	U	1
1,2-Dichloroethane	BQL	1	ug/L	U	1
1,2-Dichloropropane	BQL	1	ug/L	U	1
2-Butanone	BQL	5	ug/L	U	1
2-Hexanone	BQL	5	ug/L	U	1
4-Methyl-2-Pentanone	BQL	5	ug/L	U	1
Acetone	BQL	5	ug/L	U	1
Benzene	BQL	1	ug/L	U	1
Bromodichloromethane	BQL	1	ug/L	U	1
Bromoform	BQL	1	ug/L	U	1
Bromomethane	BQL	1	ug/L	U	1
Carbon Disulfide	23.1	1	ug/L		1
Carbon Tetrachloride	BQL	1	ug/L	U	1
Chlorobenzene	BQL	1	ug/L	U	1
Chloroethane	BQL	1	ug/L	U	1
Chloroform	BQL	1	ug/L	U	1
Chloromethane	BQL	1	ug/L	U	1
Dibromochloromethane	BQL	1	ug/L	U	1
Ethylbenzene	BQL	1	ug/L	U	1
Methylene Chloride	0.750	1	ug/L	J	1
Styrene	BQL	1	ug/L	U	1
Tetrachloroethene	BQL	1	ug/L	U	1
Toluene	BQL	1	ug/L	U	1
Trichloroethene	BQL	1	ug/L	U	1
Vinyl Chloride	BQL	1	ug/L	U	1
cis-1,2-Dichloroethene	BQL	1	ug/L	U	1
cis-1,3-Dichloropropene	BQL	1	ug/L	U	1
m,p-Xylenes	BQL	1	ug/L	U	1
o-Xylene	BQL	1	ug/L	U	1
trans-1,2-dichloroethene	BQL	1	ug/L	U	1
trans-1,3-dichloropropene	BQL	1	ug/L	U	1

Summary of Analytical Results

Client ID AB2008
GPL ID: 9126-017-01-1/3
Matrix: Water
Date Collected: Sep-19-2000
Date Received: Sep-21-2000

Prep Method: SW5030B
Prep Date: Sep-25-2000
Prep Time: 06:56
Prep Chemist: Jannina S. Bryan

Analytical Method: SW8260LL_TCL
Date Analyzed: Sep-25-2000
Time Analyzed 12:21
Analyst: NAZIH ABADEER

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	1	ug/L	U	1
1,1,2,2-Tetrachloroethane	BQL	1	ug/L	U	1
1,1,2-Trichloroethane	BQL	1	ug/L	U	1
1,1-Dichloroethane	BQL	1	ug/L	U	1
1,1-Dichloroethene	BQL	1	ug/L	U	1
1,2-Dichloroethane	BQL	1	ug/L	U	1
1,2-Dichloropropane	BQL	1	ug/L	U	1
2-Butanone	BQL	5	ug/L	U	1
2-Hexanone	BQL	5	ug/L	U	1
4-Methyl-2-Pentanone	BQL	5	ug/L	U	1
Acetone	BQL	5	ug/L	U	1
Benzene	BQL	1	ug/L	U	1
Bromodichloromethane	BQL	1	ug/L	U	1
Bromoform	BQL	1	ug/L	U	1
Bromomethane	BQL	1	ug/L	U	1
Carbon Disulfide	8.32	1	ug/L		1
Carbon Tetrachloride	BQL	1	ug/L	U	1
Chlorobenzene	BQL	1	ug/L	U	1
Chloroethane	BQL	1	ug/L	U	1
Chloroform	BQL	1	ug/L	U	1
Chloromethane	BQL	1	ug/L	U	1
Dibromochloromethane	BQL	1	ug/L	U	1
Ethylbenzene	BQL	1	ug/L	U	1
Methylene Chloride	0.690	1	ug/L	J	1
Styrene	BQL	1	ug/L	U	1
Tetrachloroethene	BQL	1	ug/L	U	1
Toluene	BQL	1	ug/L	U	1
Trichloroethene	BQL	1	ug/L	U	1
Vinyl Chloride	BQL	1	ug/L	U	1
cis-1,2-Dichloroethene	BQL	1	ug/L	U	1
cis-1,3-Dichloropropene	BQL	1	ug/L	U	1
m,p-Xylenes	BQL	1	ug/L	U	1
o-Xylene	BQL	1	ug/L	U	1
trans-1,2-dichloroethene	BQL	1	ug/L	U	1
trans-1,3-dichloropropene	BQL	1	ug/L	U	1

Summary of Analytical Results

Client ID AB2010
GPL ID: 9126-018-01-1/3
Matrix: Water
Date Collected: Sep-19-2000
Date Received: Sep-21-2000

Prep Method: SW5030B
Prep Date: Sep-25-2000
Prep Time: 06:56
Prep Chemist: Jannina S. Bryan

Analytical Method: SW8260LL_TCL
Date Analyzed: Sep-25-2000
Time Analyzed 12:55
Analyst: NAZIH ABADEER

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	1	ug/L	U	1
1,1,2,2-Tetrachloroethane	BQL	1	ug/L	U	1
1,1,2-Trichloroethane	BQL	1	ug/L	U	1
1,1-Dichloroethane	BQL	1	ug/L	U	1
1,1-Dichloroethene	BQL	1	ug/L	U	1
1,2-Dichloroethane	BQL	1	ug/L	U	1
1,2-Dichloropropane	BQL	1	ug/L	U	1
2-Butanone	BQL	5	ug/L	U	1
2-Hexanone	BQL	5	ug/L	U	1
4-Methyl-2-Pentanone	BQL	5	ug/L	U	1
Acetone	10.8	5	ug/L		1
Benzene	BQL	1	ug/L	U	1
Bromodichloromethane	BQL	1	ug/L	U	1
Bromoform	BQL	1	ug/L	U	1
Bromomethane	BQL	1	ug/L	U	1
Carbon Disulfide	10.5	1	ug/L		1
Carbon Tetrachloride	BQL	1	ug/L	U	1
Chlorobenzene	BQL	1	ug/L	U	1
Chloroethane	BQL	1	ug/L	U	1
Chloroform	BQL	1	ug/L	U	1
Chloromethane	BQL	1	ug/L	U	1
Dibromochloromethane	BQL	1	ug/L	U	1
Ethylbenzene	BQL	1	ug/L	U	1
Methylene Chloride	0.750	1	ug/L	J	1
Styrene	BQL	1	ug/L	U	1
Tetrachloroethene	BQL	1	ug/L	U	1
Toluene	BQL	1	ug/L	U	1
Trichloroethene	BQL	1	ug/L	U	1
Vinyl Chloride	BQL	1	ug/L	U	1
cis-1,2-Dichloroethene	BQL	1	ug/L	U	1
cis-1,3-Dichloropropene	BQL	1	ug/L	U	1
m,p-Xylenes	BQL	1	ug/L	U	1
o-Xylene	BQL	1	ug/L	U	1
trans-1,2-dichloroethene	BQL	1	ug/L	U	1
trans-1,3-dichloropropene	BQL	1	ug/L	U	1

Summary of Analytical Results

Client ID AB2011
GPL ID: 9126-019-01-1/3
Matrix: Water
Date Collected: Sep-19-2000
Date Received: Sep-21-2000

Prep Method: SW5030B
Prep Date: Sep-25-2000
Prep Time: 06:56
Prep Chemist: Jannina S. Bryan

Analytical Method: SW8260LL_TCL
Date Analyzed: Sep-25-2000
Time Analyzed 13:29
Analyst: NAZIH ABADEER

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	1	ug/L	U	1
1,1,2,2-Tetrachloroethane	BQL	1	ug/L	U	1
1,1,2-Trichloroethane	BQL	1	ug/L	U	1
1,1-Dichloroethane	BQL	1	ug/L	U	1
1,1-Dichloroethene	BQL	1	ug/L	U	1
1,2-Dichloroethane	BQL	1	ug/L	U	1
1,2-Dichloropropane	BQL	1	ug/L	U	1
2-Butanone	BQL	5	ug/L	U	1
2-Hexanone	BQL	5	ug/L	U	1
4-Methyl-2-Pentanone	BQL	5	ug/L	U	1
Acetone	BQL	5	ug/L	U	1
Benzene	BQL	1	ug/L	U	1
Bromodichloromethane	BQL	1	ug/L	U	1
Bromoform	BQL	1	ug/L	U	1
Bromomethane	BQL	1	ug/L	U	1
Carbon Disulfide	3.12	1	ug/L		1
Carbon Tetrachloride	BQL	1	ug/L	U	1
Chlorobenzene	BQL	1	ug/L	U	1
Chloroethane	BQL	1	ug/L	U	1
Chloroform	BQL	1	ug/L	U	1
Chloromethane	BQL	1	ug/L	U	1
Dibromochloromethane	BQL	1	ug/L	U	1
Ethylbenzene	BQL	1	ug/L	U	1
Methylene Chloride	0.710	1	ug/L	J	1
Styrene	BQL	1	ug/L	U	1
Tetrachloroethene	BQL	1	ug/L	U	1
Toluene	BQL	1	ug/L	U	1
Trichloroethene	BQL	1	ug/L	U	1
Vinyl Chloride	BQL	1	ug/L	U	1
cis-1,2-Dichloroethene	BQL	1	ug/L	U	1
cis-1,3-Dichloropropene	BQL	1	ug/L	U	1
m,p-Xylenes	BQL	1	ug/L	U	1
o-Xylene	BQL	1	ug/L	U	1
trans-1,2-dichloroethene	BQL	1	ug/L	U	1
trans-1,3-dichloropropene	BQL	1	ug/L	U	1

Summary of Analytical Results

Client ID AB2018
GPL ID: 9126-020-01-1/3
Matrix: Water
Date Collected: Sep-19-2000
Date Received: Sep-21-2000

Prep Method: SW5030B
Prep Date: Sep-25-2000
Prep Time: 06:56
Prep Chemist: Jannina S. Bryan

Analytical Method: SW8260LL_TCL
Date Analyzed: Sep-25-2000
Time Analyzed 14:02
Analyst: NAZIH ABADEER

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	1	ug/L	U	1
1,1,2,2-Tetrachloroethane	BQL	1	ug/L	U	1
1,1,2-Trichloroethane	BQL	1	ug/L	U	1
1,1-Dichloroethane	BQL	1	ug/L	U	1
1,1-Dichloroethene	BQL	1	ug/L	U	1
1,2-Dichloroethane	BQL	1	ug/L	U	1
1,2-Dichloropropane	BQL	1	ug/L	U	1
2-Butanone	BQL	5	ug/L	U	1
2-Hexanone	BQL	5	ug/L	U	1
4-Methyl-2-Pentanone	BQL	5	ug/L	U	1
Acetone	BQL	5	ug/L	U	1
Benzene	BQL	1	ug/L	U	1
Bromodichloromethane	BQL	1	ug/L	U	1
Bromoform	BQL	1	ug/L	U	1
Bromomethane	BQL	1	ug/L	U	1
Carbon Disulfide	7.39	1	ug/L		1
Carbon Tetrachloride	BQL	1	ug/L	U	1
Chlorobenzene	BQL	1	ug/L	U	1
Chloroethane	BQL	1	ug/L	U	1
Chloroform	BQL	1	ug/L	U	1
Chloromethane	BQL	1	ug/L	U	1
Dibromochloromethane	BQL	1	ug/L	U	1
Ethylbenzene	BQL	1	ug/L	U	1
Methylene Chloride	0.750	1	ug/L	J	1
Styrene	BQL	1	ug/L	U	1
Tetrachloroethene	BQL	1	ug/L	U	1
Toluene	BQL	1	ug/L	U	1
Trichloroethene	BQL	1	ug/L	U	1
Vinyl Chloride	BQL	1	ug/L	U	1
cis-1,2-Dichloroethene	BQL	1	ug/L	U	1
cis-1,3-Dichloropropene	BQL	1	ug/L	U	1
m,p-Xylenes	BQL	1	ug/L	U	1
o-Xylene	BQL	1	ug/L	U	1
trans-1,2-dichloroethene	BQL	1	ug/L	U	1
trans-1,3-dichloropropene	BQL	1	ug/L	U	1

2B
SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: GPL LABORATORIES, LLLP Contract: PLUMBROOK_ORDN

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Level: (low/med) LOW

	CLIENT SAMPLE NO.	SMC1 #	SMC2 #	SMC3 #	SMC4 #	TOT OUT
01	BLK6940	96	101	104	107	0
02	BKS6940	103	98	108	108	0
03	AA1001	91	102	102	92	0
04	AA1008	93	107	105	100	0
05	AB1005	97	98	105	98	0
06	AB1007	95	100	99	98	0
07	AB1008	105	98	104	106	0
08	AB1009	95	102	104	110	0
09	AB1010	101	104	105	111	0
10	AB1011	97	105	101	100	0
11	AB1012	94	100	104	105	0
12	AB1013	104	100	106	110	0
13	BLK6977	104	98	105	106	0
14	BKS6977	101	103	120	120	0
15	AB1014	93	97	103	101	0
16	AB1015	96	98	112	114	0
17	AB1018	93	101	113	118	0
18	AB1018 MS	102	104	108	109	0
19	AB1018 MSD	103	102	109	111	0

			QC LIMITS
SMC1	=	1,2-Dichloroethane-d4	(72-129)
SMC2	=	Toluene-d8	(68-122)
SMC3	=	4-Bromofluorobenzene	(71-122)
SMC4	=	1,2-Dichlorobenzene-d4	(68-138)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

1003

2A

WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: GPL LABORATORIES, LLLP Contract: PLIMBROOK_ORDN

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

	CLIENT SAMPLE NO.	SMC1 #	SMC2 #	SMC3 #	SMC4 #	TOT OUT
01	BLK6951	91	82	85	86	0
02	BKS6951	90	80	87	90	0
03	09192000-TB	99	102	104	100	0
04	AB1015	117	100	116	122	0
05	AB2005	102	98	99	103	0
06	AB2008	104	91	98	100	0
07	AB2010	120	116	116	113	0
08	AB2011	99	86	91	92	0
09	AB2018	102	92	97	99	0

			QC LIMITS
SMC1	=	1,2-Dichloroethane-d4	(77-133)
SMC2	=	Toluene-d8	(74-128)
SMC3	=	4-Bromofluorobenzene	(81-125)
SMC4	=	1,2-Dichlorobenzene-d4	(76-134)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

3A

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: GPL LABORATORIES, LLLP Contract: IT_AFP6

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Matrix Spike - EPA Sample No.: K1664

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
1,1-Dichloroethene	10	0.0	10	100	51 - 134
Benzene	10	0.0	8.4	84	61 - 120
Trichloroethene	10	0.0	9.2	92	44 - 139
Toluene	10	0.0	8.4	84	53 - 118
Chlorobenzene	10	0.0	9.2	92	68 - 125

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	10	9.5	95	5	25	51 - 134
Benzene	10	8.6	86	2	25	61 - 120
Trichloroethene	10	9.2	92	0	25	44 - 139
Toluene	10	8.8	88	5	25	53 - 118
Chlorobenzene	10	9.4	94	2	25	68 - 125

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 5 outside limits

Spike Recovery: 0 out of 10 outside limits

COMMENTS: shared with 9076

1005

3B

SOIL VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: GPL LABORATORIES, LLLP Contract: PLUMBROOK_O

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Matrix Spike - EPA Sample No.: AB1018 Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC LIMITS REC.
1,1-Dichloroethene	64	0.0	49	77	39 - 147
Benzene	64	0.0	52	81	36 - 150
Trichloroethene	64	0.0	52	81	33 - 150
Toluene	64	0.0	54	84	34 - 151
Chlorobenzene	64	0.0	54	84	33 - 143

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	64	52	81	5	25	39 - 147
Benzene	64	57	89	9	25	36 - 150
Trichloroethene	64	58	91	12	25	33 - 150
Toluene	64	58	91	8	25	34 - 151
Chlorobenzene	64	58	91	8	25	33 - 143

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 5 outside limits

Spike Recovery: 0 out of 10 outside limits

COMMENTS:

LAB CONTROL STANDARD RECOVERY

Lab Name:	GPL LABORATORIES, LLLP			Contract:	PLUMBROOK_ORDN
Case No.:	N/A			SDG No.:	N/A
Lab Code:	GPLL			Lab Sample ID:	BKS1
Lab File ID:	A27185.D	Matrix:	SOIL	Date Analyzed:	9/22/00

COMPOUND	LCS ADDED (ugKg)	CONCENTRATION FOUND (ug/Kg)	PERCENT RECOVERY #	INTERNAL LABORATORY LIMITS
Vinyl Chloride	50	35	70	29-148
1,1-Dichloroethene	50	39	78	40-150
Chloroform	50	46	92	61-146
1,1,1-Trichloroethane	50	48	96	59-155
Carbon Tetrachloride	50	48	96	61-152
Benzene	50	45	90	59-153
1,2-Dichloroethane	50	49	98	63-151
Trichloroethene	50	44	88	55-145
Bromodichloromethane	50	48	96	65-151
Dibromochloromethane	50	48	96	52-155
Bromoform	50	49	98	36-150

* Value outside internal laboratory limits

Comments: _____

LAB CONTROL STANDARD RECOVERY

Lab Name:	GPL LABORATORIES, LLLP			Contract:	PLUMBROOK_ORDN
Case No.:	N/A			SDG No.:	N/A
Lab Code:	GPLL			Lab Sample ID:	BKS1
Lab File ID:	A27203.D	Matrix:	SOIL	Date Analyzed:	9/25/00

COMPOUND	LCS ADDED (ugKg)	CONCENTRATION FOUND (ug/Kg)	PERCENT RECOVERY #	INTERNAL LABORATORY LIMITS
Vinyl Chloride	50	41	82	29-148
1,1-Dichloroethene	50	48	96	40-150
Chloroform	50	54	108	61-146
1,1,1-Trichloroethane	50	55	110	59-155
Carbon Tetrachloride	50	56	112	61-152
Benzene	50	49	98	59-153
1,2-Dichloroethane	50	55	110	63-151
Trichloroethene	50	49	98	55-145
Bromodichloromethane	50	54	108	65-151
Dibromochloromethane	50	54	108	52-155
Bromoform	50	56	112	36-150

* Value outside internal laboratory limits

Comments: _____

LAB CONTROL STANDARD RECOVERY

Lab Name:	GPL LABORATORIES, LLLP			Contract:	PLUMBROOK
Case No.:	N/A			SDG No.:	N/A
Lab Code:	GPLL			Lab Sample ID:	BKS0925
Lab File ID:	E21909.D	Matrix:	WATER	Date Analyzed:	9/25/00

COMPOUND	LCS ADDED (ug/L)	CONCENTRATION FOUND (ug/L)	PERCENT RECOVERY #	INTERNAL LABORATORY LIMITS
Vinyl Chloride	10	7.4	74	42-126
1,1-Dichloroethene	10	9.2	92	51-134
Chloroform	10	10.1	101	64-139
1,1,1-Trichloroethane	10	10.6	106	64-150
Carbon Tetrachloride	10	10.5	105	49-169
Benzene	10	8.8	88	61-120
1,2-Dichloroethane	10	9.4	94	64-141
Trichloroethene	10	9.3	93	44-139
Bromodichloromethane	10	10.1	101	60-142
Dibromochloromethane	10	10.9	109	54-164
Bromoform	10	11.2	112	46-156

* Value outside internal laboratory limits

Comments: _____

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

BLK6951

Lab Name: GPL LABORATORIES, LLLP Contract: PLIMBROO

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Lab File ID: E21908.D Lab Sample ID: BLK0925

Date Analyzed: 09/25/00 Time Analyzed: 07:52

GC Column: RTXVO ID: 0.53 (mm) Heated Purge: (Y/N) N

Instrument ID: 5970-E

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	BKS6951	BKS0925	E21909.D	08:25
02	09192000-TB	9126-001-01-1/3	E21913.D	10:40
03	AB1015	9126-015-01-1/3	E21914.D	11:14
04	AB2005	9126-016-01-1/3	E21915.D	11:47
05	AB2008	9126-017-01-1/3	E21916.D	12:21
06	AB2010	9126-018-01-1/3	E21917.D	12:55
07	AB2011	9126-019-01-1/3	E21918.D	13:29
08	AB2018	9126-020-01-1/3	E21919.D	14:02

COMMENTS

1010

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

BLK6940

Lab Name: GPL LABORATORIES, LLLP Contract: PLUMBRO

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Lab File ID: A27184.D Lab Sample ID: BLK0922

Date Analyzed: 09/22/00 Time Analyzed: 08:53

GC Column: RTXVO ID: 0.53 (mm) Heated Purge: (Y/N) Y

Instrument ID: HP#A

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	BKS6940	BKS0922	A27185.D	09:41
02	AA1001	9126-002-01-1/2	A27187.D	13:24
03	AA1008	9126-003-01-1/2	A27188.D	14:04
04	AB1005	9126-004-01-1/2	A27189.D	14:45
05	AB1007	9126-005-01-1/2	A27190.D	15:25
06	AB1008	9126-006-01-1/2	A27191.D	16:05
07	AB1009	9126-007-01-1/2	A27192.D	16:46
08	AB1010	9126-008-01-1/2	A27193.D	17:25
09	AB1011	9126-009-01-1/2	A27194.D	18:05
10	AB1012	9126-010-01-1/2	A27195.D	18:44
11	AB1013	9126-011-01-1/2	A27196.D	19:24

COMMENTS

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

BLK6977

Lab Name: GPL LABORATORIES, LLLP Contract: PLUMBRO

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Lab File ID: A27202.D Lab Sample ID: BLK1

Date Analyzed: 09/25/00 Time Analyzed: 10:30

GC Column: RTXVO ID: 0.53 (mm) Heated Purge: (Y/N) Y

Instrument ID: HP#A

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	BKS6977	BKS1	A27203.D	11:11
02	AB1014	9126-012-01-1/2	A27204.D	11:50
03	AB1015	9126-013-01-1/2	A27205.D	12:34
04	AB1018	9126-014-02-2/2	A27206.D	13:24
05	AB1018 MS	9126-014-02-2/2MS	A27207.D	14:04
06	AB1018 MSD	9126-014-02-2/2MSD	A27208.D	14:43

COMMENTS

1012

Summary of Analytical Results

Client ID AB2005
GPL ID: 9126-015-07-1/2
Matrix: Water
Date Collected: Sep-19-2000
Date Received: Sep-21-2000

Prep Method: SW3520C
Prep Date: Sep-25-2000
Prep Time: 07:29
Prep Chemist: Veena Telhan

Analytical Method: SW8270CTCL
Date Analyzed: Oct-06-2000
Time Analyzed 20:33
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	10.3	ug/L	U	1
1,2-Dichlorobenzene	BQL	10.3	ug/L	U	1
1,3-Dichlorobenzene	BQL	10.3	ug/L	U	1
1,4-Dichlorobenzene	BQL	10.3	ug/L	U	1
2,2-Oxybis(1-Chloro)Propane	BQL	10.3	ug/L	U	1
2,4,5-Trichlorophenol	BQL	10.3	ug/L	U	1
2,4,6-Trichlorophenol	BQL	10.3	ug/L	U	1
2,4-Dichlorophenol	BQL	10.3	ug/L	U	1
2,4-Dimethylphenol	BQL	10.3	ug/L	U	1
2,4-Dinitrophenol	BQL	20.6	ug/L	U	1
2,4-Dinitrotoluene	BQL	10.3	ug/L	U	1
2,6-Dinitrotoluene	BQL	10.3	ug/L	U	1
2-Chloronaphthalene	BQL	10.3	ug/L	U	1
2-Chlorophenol	BQL	10.3	ug/L	U	1
2-Methylnaphthalene	BQL	10.3	ug/L	U	1
2-Nitroaniline	BQL	10.3	ug/L	U	1
2-Nitrophenol	BQL	10.3	ug/L	U	1
2-methylphenol	BQL	10.3	ug/L	U	1
3,3-Dichlorobenzidine	BQL	20.6	ug/L	U	1
3-Nitroaniline	BQL	10.3	ug/L	U	1
4,6-dinitro-2-methyl phenol	BQL	20.6	ug/L	U	1
4-Bromophenyl-phenylether	BQL	10.3	ug/L	U	1
4-Chloroaniline	BQL	10.3	ug/L	U	1
4-Chlorophenyl Phenyl Ether	BQL	10.3	ug/L	U	1
4-Nitroaniline	BQL	10.3	ug/L	U	1
4-Nitrophenol	BQL	20.6	ug/L	U	1
4-chloro-3-methylphenol	BQL	10.3	ug/L	U	1
4-methylphenol	BQL	10.3	ug/L	U	1
Acenaphthene	BQL	10.3	ug/L	U	1
Acenaphthylene	BQL	10.3	ug/L	U	1
Anthracene	BQL	10.3	ug/L	U	1
Benzo(a)anthracene	BQL	10.3	ug/L	U	1
Benzo(a)pyrene	BQL	10.3	ug/L	U	1
Benzo(b)fluoranthene	BQL	10.3	ug/L	U	1
Benzo(g,h,i)perylene	BQL	10.3	ug/L	U	1
Benzo(k)fluoranthene	BQL	10.3	ug/L	U	1
Benzyl Butyl Phthalate	BQL	10.3	ug/L	U	1
Carbazole	BQL	10.3	ug/L	U	1
Chrysene	BQL	10.3	ug/L	U	1

Summary of Analytical Results

Client ID AB2005
GPL ID: 9126-015-07-1/2
Matrix: Water
Date Collected: Sep-19-2000
Date Received: Sep-21-2000

Prep Method: SW3520C
Prep Date: Sep-25-2000
Prep Time: 07:29
Prep Chemist: Veena Telhan

Analytical Method: SW8270CTCL
Date Analyzed: Oct-06-2000
Time Analyzed 20:33
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	10.3	ug/L	U	1
Dibenzofuran	BQL	10.3	ug/L	U	1
Diethyl Phthalate	BQL	10.3	ug/L	U	1
Dimethyl Phthalate	BQL	10.3	ug/L	U	1
Fluoranthene	BQL	10.3	ug/L	U	1
Fluorene	BQL	10.3	ug/L	U	1
Hexachlorobenzene	BQL	10.3	ug/L	U	1
Hexachlorobutadiene	BQL	10.3	ug/L	U	1
Hexachlorocyclopentadiene	BQL	10.3	ug/L	U	1
Hexachloroethane	BQL	10.3	ug/L	U	1
Indeno(1,2,3-c,d)Pyrene	BQL	10.3	ug/L	U	1
Isophorone	BQL	10.3	ug/L	U	1
Naphthalene	BQL	10.3	ug/L	U	1
Nitrobenzene	BQL	10.3	ug/L	U	1
Pentachlorophenol	BQL	20.6	ug/L	U	1
Phenanthrene	BQL	10.3	ug/L	U	1
Phenol	BQL	10.3	ug/L	U	1
Pyrene	BQL	10.3	ug/L	U	1
bis(2-chloroethoxy) methane	BQL	10.3	ug/L	U	1
bis(2-chloroethyl) ether	BQL	10.3	ug/L	U	1
bis(2-ethylhexyl) phthalate	BQL	10.3	ug/L	U	1
di-n-Butyl Phthalate	BQL	10.3	ug/L	U	1
di-n-Octyl Phthalate	BQL	10.3	ug/L	U	1
n-Nitrosodi-n-Propylamine	BQL	10.3	ug/L	U	1
n-Nitrosodiphenylamine	BQL	10.3	ug/L	U	1

Summary of Analytical Results

Client ID AB2007
GPL ID: 9126-016-07-1/2
Matrix: Water
Date Collected: Sep-19-2000
Date Received: Sep-21-2000

Prep Method: SW3520C
Prep Date: Sep-25-2000
Prep Time: 07:29
Prep Chemist: Veena Telhan

Analytical Method: SW8270CTCL
Date Analyzed: Oct-07-2000
Time Analyzed 16:21
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	11.8	ug/L	U	1
1,2-Dichlorobenzene	BQL	11.8	ug/L	U	1
1,3-Dichlorobenzene	BQL	11.8	ug/L	U	1
1,4-Dichlorobenzene	BQL	11.8	ug/L	U	1
2,2-Oxybis(1-Chloro)Propane	BQL	11.8	ug/L	U	1
2,4,5-Trichlorophenol	BQL	11.8	ug/L	U	1
2,4,6-Trichlorophenol	BQL	11.8	ug/L	U	1
2,4-Dichlorophenol	BQL	11.8	ug/L	U	1
2,4-Dimethylphenol	BQL	11.8	ug/L	U	1
2,4-Dinitrophenol	BQL	23.5	ug/L	U	1
2,4-Dinitrotoluene	BQL	11.8	ug/L	U	1
2,6-Dinitrotoluene	BQL	11.8	ug/L	U	1
2-Chloronaphthalene	BQL	11.8	ug/L	U	1
2-Chlorophenol	BQL	11.8	ug/L	U	1
2-Methylnaphthalene	BQL	11.8	ug/L	U	1
2-Nitroaniline	BQL	11.8	ug/L	U	1
2-Nitrophenol	BQL	11.8	ug/L	U	1
2-methylphenol	BQL	11.8	ug/L	U	1
3,3-Dichlorobenzidine	BQL	23.5	ug/L	U	1
3-Nitroaniline	BQL	11.8	ug/L	U	1
4,6-dinitro-2-methyl phenol	BQL	23.5	ug/L	U	1
4-Bromophenyl-phenylether	BQL	11.8	ug/L	U	1
4-Chloroaniline	BQL	11.8	ug/L	U	1
4-Chlorophenyl Phenyl Ether	BQL	11.8	ug/L	U	1
4-Nitroaniline	BQL	11.8	ug/L	U	1
4-Nitrophenol	BQL	23.5	ug/L	U	1
4-chloro-3-methylphenol	BQL	11.8	ug/L	U	1
4-methylphenol	BQL	11.8	ug/L	U	1
Acenaphthene	BQL	11.8	ug/L	U	1
Acenaphthylene	BQL	11.8	ug/L	U	1
Anthracene	BQL	11.8	ug/L	U	1
Benzo(a)anthracene	BQL	11.8	ug/L	U	1
Benzo(a)pyrene	BQL	11.8	ug/L	U	1
Benzo(b)fluoranthene	BQL	11.8	ug/L	U	1
Benzo(g,h,i)perylene	BQL	11.8	ug/L	U	1
Benzo(k)fluoranthene	BQL	11.8	ug/L	U	1
Benzyl Butyl Phthalate	BQL	11.8	ug/L	U	1
Carbazole	BQL	11.8	ug/L	U	1
Chrysene	BQL	11.8	ug/L	U	1

Summary of Analytical Results

Client ID AB2007
GPL ID: 9126-016-07-1/2
Matrix: Water
Date Collected: Sep-19-2000
Date Received: Sep-21-2000

Prep Method: SW3520C
Prep Date: Sep-25-2000
Prep Time: 07:29
Prep Chemist: Veena Telhan

Analytical Method: SW8270CTCL
Date Analyzed: Oct-07-2000
Time Analyzed 16:21
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	11.8	ug/L	U	1
Dibenzofuran	BQL	11.8	ug/L	U	1
Diethyl Phthalate	BQL	11.8	ug/L	U	1
Dimethyl Phthalate	BQL	11.8	ug/L	U	1
Fluoranthene	BQL	11.8	ug/L	U	1
Fluorene	BQL	11.8	ug/L	U	1
Hexachlorobenzene	BQL	11.8	ug/L	U	1
Hexachlorobutadiene	BQL	11.8	ug/L	U	1
Hexachlorocyclopentadiene	BQL	11.8	ug/L	U	1
Hexachloroethane	BQL	11.8	ug/L	U	1
Indeno(1,2,3-c,d)Pyrene	BQL	11.8	ug/L	U	1
Isophorone	BQL	11.8	ug/L	U	1
Naphthalene	BQL	11.8	ug/L	U	1
Nitrobenzene	BQL	11.8	ug/L	U	1
Pentachlorophenol	BQL	23.5	ug/L	U	1
Phenanthrene	BQL	11.8	ug/L	U	1
Phenol	BQL	11.8	ug/L	U	1
Pyrene	BQL	11.8	ug/L	U	1
bis(2-chloroethoxy) methane	BQL	11.8	ug/L	U	1
bis(2-chloroethyl) ether	BQL	11.8	ug/L	U	1
bis(2-ethylhexyl) phthalate	BQL	11.8	ug/L	U	1
di-n-Butyl Phthalate	BQL	11.8	ug/L	U	1
di-n-Octyl Phthalate	BQL	11.8	ug/L	U	1
n-Nitrosodi-n-Propylamine	BQL	11.8	ug/L	U	1
n-Nitrosodiphenylamine	BQL	11.8	ug/L	U	1

Summary of Analytical Results

Client ID AB2008
GPL ID: 9126-017-07-1/2
Matrix: Water
Date Collected: Sep-19-2000
Date Received: Sep-21-2000

Prep Method: SW3520C
Prep Date: Sep-25-2000
Prep Time: 07:29
Prep Chemist: Veena Telhan

Analytical Method: SW8270CTCL
Date Analyzed: Oct-07-2000
Time Analyzed 17:14
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	10.6	ug/L	U	1
1,2-Dichlorobenzene	BQL	10.6	ug/L	U	1
1,3-Dichlorobenzene	BQL	10.6	ug/L	U	1
1,4-Dichlorobenzene	BQL	10.6	ug/L	U	1
2,2-Oxybis(1-Chloro)Propane	BQL	10.6	ug/L	U	1
2,4,5-Trichlorophenol	BQL	10.6	ug/L	U	1
2,4,6-Trichlorophenol	BQL	10.6	ug/L	U	1
2,4-Dichlorophenol	BQL	10.6	ug/L	U	1
2,4-Dimethylphenol	BQL	10.6	ug/L	U	1
2,4-Dinitrophenol	BQL	21.3	ug/L	U	1
2,4-Dinitrotoluene	BQL	10.6	ug/L	U	1
2,6-Dinitrotoluene	BQL	10.6	ug/L	U	1
2-Chloronaphthalene	BQL	10.6	ug/L	U	1
2-Chlorophenol	BQL	10.6	ug/L	U	1
2-Methylnaphthalene	BQL	10.6	ug/L	U	1
2-Nitroaniline	BQL	10.6	ug/L	U	1
2-Nitrophenol	BQL	10.6	ug/L	U	1
2-methylphenol	BQL	10.6	ug/L	U	1
3,3-Dichlorobenzidine	BQL	21.3	ug/L	U	1
3-Nitroaniline	BQL	10.6	ug/L	U	1
4,6-dinitro-2-methyl phenol	BQL	21.3	ug/L	U	1
4-Bromophenyl-phenylether	BQL	10.6	ug/L	U	1
4-Chloroaniline	BQL	10.6	ug/L	U	1
4-Chlorophenyl Phenyl Ether	BQL	10.6	ug/L	U	1
4-Nitroaniline	BQL	10.6	ug/L	U	1
4-Nitrophenol	BQL	21.3	ug/L	U	1
4-chloro-3-methylphenol	BQL	10.6	ug/L	U	1
4-methylphenol	BQL	10.6	ug/L	U	1
Acenaphthene	BQL	10.6	ug/L	U	1
Acenaphthylene	BQL	10.6	ug/L	U	1
Anthracene	BQL	10.6	ug/L	U	1
Benzo(a)anthracene	BQL	10.6	ug/L	U	1
Benzo(a)pyrene	BQL	10.6	ug/L	U	1
Benzo(b)fluoranthene	BQL	10.6	ug/L	U	1
Benzo(g,h,i)perylene	BQL	10.6	ug/L	U	1
Benzo(k)fluoranthene	BQL	10.6	ug/L	U	1
Benzyl Butyl Phthalate	BQL	10.6	ug/L	U	1
Carbazole	BQL	10.6	ug/L	U	1
Chrysene	BQL	10.6	ug/L	U	1

Summary of Analytical Results

Client ID AB2008
GPL ID: 9126-017-07-1/2
Matrix: Water
Date Collected: Sep-19-2000
Date Received: Sep-21-2000

Prep Method: SW3520C
Prep Date: Sep-25-2000
Prep Time: 07:29
Prep Chemist: Veena Telhan

Analytical Method: SW8270CTCL
Date Analyzed: Oct-07-2000
Time Analyzed 17:14
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	10.6	ug/L	U	1
Dibenzofuran	BQL	10.6	ug/L	U	1
Diethyl Phthalate	BQL	10.6	ug/L	U	1
Dimethyl Phthalate	BQL	10.6	ug/L	U	1
Fluoranthene	BQL	10.6	ug/L	U	1
Fluorene	BQL	10.6	ug/L	U	1
Hexachlorobenzene	BQL	10.6	ug/L	U	1
Hexachlorobutadiene	BQL	10.6	ug/L	U	1
Hexachlorocyclopentadiene	BQL	10.6	ug/L	U	1
Hexachloroethane	BQL	10.6	ug/L	U	1
Indeno(1,2,3-c,d)Pyrene	BQL	10.6	ug/L	U	1
Isophorone	BQL	10.6	ug/L	U	1
Naphthalene	BQL	10.6	ug/L	U	1
Nitrobenzene	BQL	10.6	ug/L	U	1
Pentachlorophenol	BQL	21.3	ug/L	U	1
Phenanthrene	BQL	10.6	ug/L	U	1
Phenol	BQL	10.6	ug/L	U	1
Pyrene	BQL	10.6	ug/L	U	1
bis(2-chloroethoxy) methane	BQL	10.6	ug/L	U	1
bis(2-chloroethyl) ether	BQL	10.6	ug/L	U	1
bis(2-ethylhexyl) phthalate	BQL	10.6	ug/L	U	1
di-n-Butyl Phthalate	4.95	10.6	ug/L	J	1
di-n-Octyl Phthalate	BQL	10.6	ug/L	U	1
n-Nitrosodi-n-Propylamine	BQL	10.6	ug/L	U	1
n-Nitrosodiphenylamine	BQL	10.6	ug/L	U	1

Summary of Analytical Results

Client ID AB2010
GPL ID: 9126-018-07-1/2
Matrix: Water
Date Collected: Sep-19-2000
Date Received: Sep-21-2000

Prep Method: SW3520C
Prep Date: Sep-25-2000
Prep Time: 07:29
Prep Chemist: Veena Telhan

Analytical Method: SW8270CTCL
Date Analyzed: Oct-06-2000
Time Analyzed 23:11
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	12	ug/L	U	1
1,2-Dichlorobenzene	BQL	12	ug/L	U	1
1,3-Dichlorobenzene	BQL	12	ug/L	U	1
1,4-Dichlorobenzene	BQL	12	ug/L	U	1
2,2-Oxybis(1-Chloro)Propane	BQL	12	ug/L	U	1
2,4,5-Trichlorophenol	BQL	12	ug/L	U	1
2,4,6-Trichlorophenol	BQL	12	ug/L	U	1
2,4-Dichlorophenol	BQL	12	ug/L	U	1
2,4-Dimethylphenol	BQL	12	ug/L	U	1
2,4-Dinitrophenol	BQL	24.1	ug/L	U	1
2,4-Dinitrotoluene	BQL	12	ug/L	U	1
2,6-Dinitrotoluene	BQL	12	ug/L	U	1
2-Chloronaphthalene	BQL	12	ug/L	U	1
2-Chlorophenol	BQL	12	ug/L	U	1
2-Methylnaphthalene	BQL	12	ug/L	U	1
2-Nitroaniline	BQL	12	ug/L	U	1
2-Nitrophenol	BQL	12	ug/L	U	1
2-methylphenol	BQL	12	ug/L	U	1
3,3-Dichlorobenzidine	BQL	24.1	ug/L	U	1
3-Nitroaniline	BQL	12	ug/L	U	1
4,6-dinitro-2-methyl phenol	BQL	24.1	ug/L	U	1
4-Bromophenyl-phenylether	BQL	12	ug/L	U	1
4-Chloroaniline	BQL	12	ug/L	U	1
4-Chlorophenyl Phenyl Ether	BQL	12	ug/L	U	1
4-Nitroaniline	BQL	12	ug/L	U	1
4-Nitrophenol	BQL	24.1	ug/L	U	1
4-chloro-3-methylphenol	BQL	12	ug/L	U	1
4-methylphenol	BQL	12	ug/L	U	1
Acenaphthene	BQL	12	ug/L	U	1
Acenaphthylene	BQL	12	ug/L	U	1
Anthracene	BQL	12	ug/L	U	1
Benzo(a)anthracene	BQL	12	ug/L	U	1
Benzo(a)pyrene	BQL	12	ug/L	U	1
Benzo(b)fluoranthene	BQL	12	ug/L	U	1
Benzo(g,h,i)perylene	BQL	12	ug/L	U	1
Benzo(k)fluoranthene	BQL	12	ug/L	U	1
Benzyl Butyl Phthalate	BQL	12	ug/L	U	1
Carbazole	BQL	12	ug/L	U	1
Chrysene	BQL	12	ug/L	U	1

Summary of Analytical Results

Client ID AB2010
GPL ID: 9126-018-07-1/2
Matrix: Water
Date Collected: Sep-19-2000
Date Received: Sep-21-2000

Prep Method: SW3520C
Prep Date: Sep-25-2000
Prep Time: 07:29
Prep Chemist: Veena Telhan

Analytical Method: SW8270CTCL
Date Analyzed: Oct-06-2000
Time Analyzed 23:11
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	12	ug/L	U	1
Dibenzofuran	BQL	12	ug/L	U	1
Diethyl Phthalate	BQL	12	ug/L	U	1
Dimethyl Phthalate	BQL	12	ug/L	U	1
Fluoranthene	BQL	12	ug/L	U	1
Fluorene	BQL	12	ug/L	U	1
Hexachlorobenzene	BQL	12	ug/L	U	1
Hexachlorobutadiene	BQL	12	ug/L	U	1
Hexachlorocyclopentadiene	BQL	12	ug/L	U	1
Hexachloroethane	BQL	12	ug/L	U	1
Indeno(1,2,3-c,d)Pyrene	BQL	12	ug/L	U	1
Isophorone	BQL	12	ug/L	U	1
Naphthalene	BQL	12	ug/L	U	1
Nitrobenzene	BQL	12	ug/L	U	1
Pentachlorophenol	BQL	24.1	ug/L	U	1
Phenanthrene	BQL	12	ug/L	U	1
Phenol	BQL	12	ug/L	U	1
Pyrene	BQL	12	ug/L	U	1
bis(2-chloroethoxy) methane	BQL	12	ug/L	U	1
bis(2-chloroethyl) ether	BQL	12	ug/L	U	1
bis(2-ethylhexyl) phthalate	BQL	12	ug/L	U	1
di-n-Butyl Phthalate	BQL	12	ug/L	U	1
di-n-Octyl Phthalate	BQL	12	ug/L	U	1
n-Nitrosodi-n-Propylamine	BQL	12	ug/L	U	1
n-Nitrosodiphenylamine	BQL	12	ug/L	U	1

Summary of Analytical Results

Client ID AB2011
GPL ID: 9126-019-07-1/1
Matrix: Water
Date Collected: Sep-19-2000
Date Received: Sep-21-2000

Prep Method: SW3520C
Prep Date: Sep-25-2000
Prep Time: 07:29
Prep Chemist: Veena Telhan

Analytical Method: SW8270CTCL
Date Analyzed: Oct-07-2000
Time Analyzed 00:04
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	11.4	ug/L	U	1
1,2-Dichlorobenzene	BQL	11.4	ug/L	U	1
1,3-Dichlorobenzene	BQL	11.4	ug/L	U	1
1,4-Dichlorobenzene	BQL	11.4	ug/L	U	1
2,2-Oxybis(1-Chloro)Propane	BQL	11.4	ug/L	U	1
2,4,5-Trichlorophenol	BQL	11.4	ug/L	U	1
2,4,6-Trichlorophenol	BQL	11.4	ug/L	U	1
2,4-Dichlorophenol	BQL	11.4	ug/L	U	1
2,4-Dimethylphenol	BQL	11.4	ug/L	U	1
2,4-Dinitrophenol	BQL	22.7	ug/L	U	1
2,4-Dinitrotoluene	BQL	11.4	ug/L	U	1
2,6-Dinitrotoluene	BQL	11.4	ug/L	U	1
2-Chloronaphthalene	BQL	11.4	ug/L	U	1
2-Chlorophenol	BQL	11.4	ug/L	U	1
2-Methylnaphthalene	BQL	11.4	ug/L	U	1
2-Nitroaniline	BQL	11.4	ug/L	U	1
2-Nitrophenol	BQL	11.4	ug/L	U	1
2-methylphenol	BQL	11.4	ug/L	U	1
3,3-Dichlorobenzidine	BQL	22.7	ug/L	U	1
3-Nitroaniline	BQL	11.4	ug/L	U	1
4,6-dinitro-2-methyl phenol	BQL	22.7	ug/L	U	1
4-Bromophenyl-phenylether	BQL	11.4	ug/L	U	1
4-Chloroaniline	BQL	11.4	ug/L	U	1
4-Chlorophenyl Phenyl Ether	BQL	11.4	ug/L	U	1
4-Nitroaniline	BQL	11.4	ug/L	U	1
4-Nitrophenol	BQL	22.7	ug/L	U	1
4-chloro-3-methylphenol	BQL	11.4	ug/L	U	1
4-methylphenol	BQL	11.4	ug/L	U	1
Acenaphthene	BQL	11.4	ug/L	U	1
Acenaphthylene	BQL	11.4	ug/L	U	1
Anthracene	BQL	11.4	ug/L	U	1
Benzo(a)anthracene	BQL	11.4	ug/L	U	1
Benzo(a)pyrene	BQL	11.4	ug/L	U	1
Benzo(b)fluoranthene	BQL	11.4	ug/L	U	1
Benzo(g,h,i)perylene	BQL	11.4	ug/L	U	1
Benzo(k)fluoranthene	BQL	11.4	ug/L	U	1
Benzyl Butyl Phthalate	BQL	11.4	ug/L	U	1
Carbazole	BQL	11.4	ug/L	U	1
Chrysene	BQL	11.4	ug/L	U	1

Summary of Analytical Results

Client ID AB2011
GPL ID: 9126-019-07-1/1
Matrix: Water
Date Collected: Sep-19-2000
Date Received: Sep-21-2000

Prep Method: SW3520C
Prep Date: Sep-25-2000
Prep Time: 07:29
Prep Chemist: Veena Telhan

Analytical Method: SW8270CTCL
Date Analyzed: Oct-07-2000
Time Analyzed 00:04
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	11.4	ug/L	U	1
Dibenzofuran	BQL	11.4	ug/L	U	1
Diethyl Phthalate	BQL	11.4	ug/L	U	1
Dimethyl Phthalate	BQL	11.4	ug/L	U	1
Fluoranthene	BQL	11.4	ug/L	U	1
Fluorene	BQL	11.4	ug/L	U	1
Hexachlorobenzene	BQL	11.4	ug/L	U	1
Hexachlorobutadiene	BQL	11.4	ug/L	U	1
Hexachlorocyclopentadiene	BQL	11.4	ug/L	U	1
Hexachloroethane	BQL	11.4	ug/L	U	1
Indeno(1,2,3-c,d)Pyrene	BQL	11.4	ug/L	U	1
Isophorone	BQL	11.4	ug/L	U	1
Naphthalene	BQL	11.4	ug/L	U	1
Nitrobenzene	BQL	11.4	ug/L	U	1
Pentachlorophenol	BQL	22.7	ug/L	U	1
Phenanthrene	BQL	11.4	ug/L	U	1
Phenol	BQL	11.4	ug/L	U	1
Pyrene	BQL	11.4	ug/L	U	1
bis(2-chloroethoxy) methane	BQL	11.4	ug/L	U	1
bis(2-chloroethyl) ether	BQL	11.4	ug/L	U	1
bis(2-ethylhexyl) phthalate	BQL	11.4	ug/L	U	1
di-n-Butyl Phthalate	BQL	11.4	ug/L	U	1
di-n-Octyl Phthalate	BQL	11.4	ug/L	U	1
n-Nitrosodi-n-Propylamine	BQL	11.4	ug/L	U	1
n-Nitrosodiphenylamine	BQL	11.4	ug/L	U	1

Summary of Analytical Results

Client ID AB2018
GPL ID: 9126-020-07-1/2
Matrix: Water
Date Collected: Sep-19-2000
Date Received: Sep-21-2000

Prep Method: SW3520C
Prep Date: Sep-25-2000
Prep Time: 07:29
Prep Chemist: Veena Telhan

Analytical Method: SW8270CTCL
Date Analyzed: Oct-07-2000
Time Analyzed 00:56
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	11.1	ug/L	U	1
1,2-Dichlorobenzene	BQL	11.1	ug/L	U	1
1,3-Dichlorobenzene	BQL	11.1	ug/L	U	1
1,4-Dichlorobenzene	BQL	11.1	ug/L	U	1
2,2-Oxybis(1-Chloro)Propane	BQL	11.1	ug/L	U	1
2,4,5-Trichlorophenol	BQL	11.1	ug/L	U	1
2,4,6-Trichlorophenol	BQL	11.1	ug/L	U	1
2,4-Dichlorophenol	BQL	11.1	ug/L	U	1
2,4-Dimethylphenol	BQL	11.1	ug/L	U	1
2,4-Dinitrophenol	BQL	22.2	ug/L	U	1
2,4-Dinitrotoluene	BQL	11.1	ug/L	U	1
2,6-Dinitrotoluene	BQL	11.1	ug/L	U	1
2-Chloronaphthalene	BQL	11.1	ug/L	U	1
2-Chlorophenol	BQL	11.1	ug/L	U	1
2-Methylnaphthalene	BQL	11.1	ug/L	U	1
2-Nitroaniline	BQL	11.1	ug/L	U	1
2-Nitrophenol	BQL	11.1	ug/L	U	1
2-methylphenol	BQL	11.1	ug/L	U	1
3,3-Dichlorobenzidine	BQL	22.2	ug/L	U	1
3-Nitroaniline	BQL	11.1	ug/L	U	1
4,6-dinitro-2-methyl phenol	BQL	22.2	ug/L	U	1
4-Bromophenyl-phenylether	BQL	11.1	ug/L	U	1
4-Chloroaniline	BQL	11.1	ug/L	U	1
4-Chlorophenyl Phenyl Ether	BQL	11.1	ug/L	U	1
4-Nitroaniline	BQL	11.1	ug/L	U	1
4-Nitrophenol	BQL	22.2	ug/L	U	1
4-chloro-3-methylphenol	BQL	11.1	ug/L	U	1
4-methylphenol	BQL	11.1	ug/L	U	1
Acenaphthene	BQL	11.1	ug/L	U	1
Acenaphthylene	BQL	11.1	ug/L	U	1
Anthracene	BQL	11.1	ug/L	U	1
Benzo(a)anthracene	BQL	11.1	ug/L	U	1
Benzo(a)pyrene	BQL	11.1	ug/L	U	1
Benzo(b)fluoranthene	BQL	11.1	ug/L	U	1
Benzo(g,h,i)perylene	BQL	11.1	ug/L	U	1
Benzo(k)fluoranthene	BQL	11.1	ug/L	U	1
Benzyl Butyl Phthalate	BQL	11.1	ug/L	U	1
Carbazole	BQL	11.1	ug/L	U	1
Chrysene	BQL	11.1	ug/L	U	1

Summary of Analytical Results

Client ID AB2018
GPL ID: 9126-020-07-1/2
Matrix: Water
Date Collected: Sep-19-2000
Date Received: Sep-21-2000

Prep Method: SW3520C
Prep Date: Sep-25-2000
Prep Time: 07:29
Prep Chemist: Veena Telhan

Analytical Method: SW8270CTCL
Date Analyzed: Oct-07-2000
Time Analyzed 00:56
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	11.1	ug/L	U	1
Dibenzofuran	BQL	11.1	ug/L	U	1
Diethyl Phthalate	BQL	11.1	ug/L	U	1
Dimethyl Phthalate	BQL	11.1	ug/L	U	1
Fluoranthene	BQL	11.1	ug/L	U	1
Fluorene	BQL	11.1	ug/L	U	1
Hexachlorobenzene	BQL	11.1	ug/L	U	1
Hexachlorobutadiene	BQL	11.1	ug/L	U	1
Hexachlorocyclopentadiene	BQL	11.1	ug/L	U	1
Hexachloroethane	BQL	11.1	ug/L	U	1
Indeno(1,2,3-c,d)Pyrene	BQL	11.1	ug/L	U	1
Isophorone	BQL	11.1	ug/L	U	1
Naphthalene	BQL	11.1	ug/L	U	1
Nitrobenzene	BQL	11.1	ug/L	U	1
Pentachlorophenol	BQL	22.2	ug/L	U	1
Phenanthrene	BQL	11.1	ug/L	U	1
Phenol	BQL	11.1	ug/L	U	1
Pyrene	BQL	11.1	ug/L	U	1
bis(2-chloroethoxy) methane	BQL	11.1	ug/L	U	1
bis(2-chloroethyl) ether	BQL	11.1	ug/L	U	1
bis(2-ethylhexyl) phthalate	BQL	11.1	ug/L	U	1
di-n-Butyl Phthalate	BQL	11.1	ug/L	U	1
di-n-Octyl Phthalate	BQL	11.1	ug/L	U	1
n-Nitrosodi-n-Propylamine	BQL	11.1	ug/L	U	1
n-Nitrosodiphenylamine	BQL	11.1	ug/L	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AA1001
GPL ID: 9126-002-03-1/1
Matrix: Soil
Date Collected: Sep-19-2000
Date Received: Sep-21-2000

Prep Method: SW3550
Prep Date: Sep-26-2000
Prep Time: 00:00
Prep Chemist: Rekha Patel

Analytical Method: SW8270CTCL
Date Analyzed: Oct-07-2000
Time Analyzed 20:48
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	464	ug/kg	U	1
1,2-Dichlorobenzene	BQL	464	ug/kg	U	1
1,3-Dichlorobenzene	BQL	464	ug/kg	U	1
1,4-Dichlorobenzene	BQL	464	ug/kg	U	1
2,2-Oxybis(1-Chloro)Propane	BQL	464	ug/kg	U	1
2,4,5-Trichlorophenol	BQL	464	ug/kg	U	1
2,4,6-Trichlorophenol	BQL	464	ug/kg	U	1
2,4-Dichlorophenol	BQL	464	ug/kg	U	1
2,4-Dimethylphenol	BQL	464	ug/kg	U	1
2,4-Dinitrophenol	BQL	928	ug/kg	U	1
2,4-Dinitrotoluene	147	464	ug/kg	J	1
2,6-Dinitrotoluene	84.4	464	ug/kg	J	1
2-Chloronaphthalene	BQL	464	ug/kg	U	1
2-Chlorophenol	BQL	464	ug/kg	U	1
2-Methylnaphthalene	BQL	464	ug/kg	U	1
2-Nitroaniline	BQL	464	ug/kg	U	1
2-Nitrophenol	BQL	464	ug/kg	U	1
2-methylphenol	BQL	464	ug/kg	U	1
3,3-Dichlorobenzidine	BQL	928	ug/kg	U	1
3-Nitroaniline	BQL	464	ug/kg	U	1
4,6-dinitro-2-methyl phenol	BQL	928	ug/kg	U	1
4-Bromophenyl-phenylether	BQL	464	ug/kg	U	1
4-Chloroaniline	BQL	464	ug/kg	U	1
4-Chlorophenyl Phenyl Ether	BQL	464	ug/kg	U	1
4-Nitroaniline	BQL	464	ug/kg	U	1
4-Nitrophenol	BQL	928	ug/kg	U	1
4-chloro-3-methylphenol	BQL	464	ug/kg	U	1
4-methylphenol	BQL	464	ug/kg	U	1
Acenaphthene	BQL	464	ug/kg	U	1
Acenaphthylene	BQL	464	ug/kg	U	1
Anthracene	BQL	464	ug/kg	U	1
Benzo(a)anthracene	BQL	464	ug/kg	U	1
Benzo(a)pyrene	BQL	464	ug/kg	U	1
Benzo(b)fluoranthene	BQL	464	ug/kg	U	1
Benzo(g,h,i)perylene	BQL	464	ug/kg	U	1
Benzo(k)fluoranthene	BQL	464	ug/kg	U	1
Benzyl Butyl Phthalate	BQL	464	ug/kg	U	1
Carbazole	BQL	464	ug/kg	U	1
Chrysene	BQL	464	ug/kg	U	1

Summary of Analytical Results

Client ID AA1001
GPL ID: 9126-002-03-1/1
Matrix: Soil
Date Collected: Sep-19-2000
Date Received: Sep-21-2000

Prep Method: SW3550
Prep Date: Sep-26-2000
Prep Time: 00:00
Prep Chemist: Rekha Patel

Analytical Method: SW8270CTCL
Date Analyzed: Oct-07-2000
Time Analyzed 20:48
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	464	ug/kg	U	1
Dibenzofuran	BQL	464	ug/kg	U	1
Diethyl Phthalate	BQL	464	ug/kg	U	1
Dimethyl Phthalate	BQL	464	ug/kg	U	1
Fluoranthene	BQL	464	ug/kg	U	1
Fluorene	BQL	464	ug/kg	U	1
Hexachlorobenzene	BQL	464	ug/kg	U	1
Hexachlorobutadiene	BQL	464	ug/kg	U	1
Hexachlorocyclopentadiene	BQL	464	ug/kg	U	1
Hexachloroethane	BQL	464	ug/kg	U	1
Indeno(1,2,3-c,d)Pyrene	BQL	464	ug/kg	U	1
Isophorone	BQL	464	ug/kg	U	1
Naphthalene	BQL	464	ug/kg	U	1
Nitrobenzene	BQL	464	ug/kg	U	1
Pentachlorophenol	BQL	928	ug/kg	U	1
Phenanthrene	BQL	464	ug/kg	U	1
Phenol	BQL	464	ug/kg	U	1
Pyrene	BQL	464	ug/kg	U	1
bis(2-chloroethoxy) methane	BQL	464	ug/kg	U	1
bis(2-chloroethyl) ether	BQL	464	ug/kg	U	1
bis(2-ethylhexyl) phthalate	BQL	464	ug/kg	U	1
di-n-Butyl Phthalate	BQL	464	ug/kg	U	1
di-n-Octyl Phthalate	BQL	464	ug/kg	U	1
n-Nitrosodi-n-Propylamine	BQL	464	ug/kg	U	1
n-Nitrosodiphenylamine	BQL	464	ug/kg	U	1

Summary of Analytical Results

Client ID AA1008
GPL ID: 9126-003-03-1/1
Matrix: Soil
Date Collected: Sep-19-2000
Date Received: Sep-21-2000

Prep Method: SW3550
Prep Date: Sep-26-2000
Prep Time: 00:00
Prep Chemist: Rekha Patel

Analytical Method: SW8270CTCL
Date Analyzed: Oct-07-2000
Time Analyzed 21:26
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	451	ug/kg	U	1
1,2-Dichlorobenzene	BQL	451	ug/kg	U	1
1,3-Dichlorobenzene	BQL	451	ug/kg	U	1
1,4-Dichlorobenzene	BQL	451	ug/kg	U	1
2,2-Oxybis(1-Chloro)Propane	BQL	451	ug/kg	U	1
2,4,5-Trichlorophenol	BQL	451	ug/kg	U	1
2,4,6-Trichlorophenol	BQL	451	ug/kg	U	1
2,4-Dichlorophenol	BQL	451	ug/kg	U	1
2,4-Dimethylphenol	BQL	451	ug/kg	U	1
2,4-Dinitrophenol	BQL	902	ug/kg	U	1
2,4-Dinitrotoluene	BQL	451	ug/kg	U	1
2,6-Dinitrotoluene	BQL	451	ug/kg	U	1
2-Chloronaphthalene	BQL	451	ug/kg	U	1
2-Chlorophenol	BQL	451	ug/kg	U	1
2-Methylnaphthalene	BQL	451	ug/kg	U	1
2-Nitroaniline	BQL	451	ug/kg	U	1
2-Nitrophenol	BQL	451	ug/kg	U	1
2-methylphenol	BQL	451	ug/kg	U	1
3,3-Dichlorobenzidine	BQL	902	ug/kg	U	1
3-Nitroaniline	BQL	451	ug/kg	U	1
4,6-dinitro-2-methyl phenol	BQL	902	ug/kg	U	1
4-Bromophenyl-phenylether	BQL	451	ug/kg	U	1
4-Chloroaniline	BQL	451	ug/kg	U	1
4-Chlorophenyl Phenyl Ether	BQL	451	ug/kg	U	1
4-Nitroaniline	BQL	451	ug/kg	U	1
4-Nitrophenol	BQL	902	ug/kg	U	1
4-chloro-3-methylphenol	BQL	451	ug/kg	U	1
4-methylphenol	BQL	451	ug/kg	U	1
Acenaphthene	BQL	451	ug/kg	U	1
Acenaphthylene	BQL	451	ug/kg	U	1
Anthracene	BQL	451	ug/kg	U	1
Benzo(a)anthracene	BQL	451	ug/kg	U	1
Benzo(a)pyrene	BQL	451	ug/kg	U	1
Benzo(b)fluoranthene	BQL	451	ug/kg	U	1
Benzo(g,h,i)perylene	BQL	451	ug/kg	U	1
Benzo(k)fluoranthene	BQL	451	ug/kg	U	1
Benzyl Butyl Phthalate	BQL	451	ug/kg	U	1
Carbazole	BQL	451	ug/kg	U	1
Chrysene	BQL	451	ug/kg	U	1

Summary of Analytical Results

Client ID AA1008
GPL ID: 9126-003-03-1/1
Matrix: Soil
Date Collected: Sep-19-2000
Date Received: Sep-21-2000

Prep Method: SW3550
Prep Date: Sep-26-2000
Prep Time: 00:00
Prep Chemist: Rekha Patel

Analytical Method: SW8270CTCL
Date Analyzed: Oct-07-2000
Time Analyzed 21:26
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	451	ug/kg	U	1
Dibenzofuran	BQL	451	ug/kg	U	1
Diethyl Phthalate	BQL	451	ug/kg	U	1
Dimethyl Phthalate	BQL	451	ug/kg	U	1
Fluoranthene	BQL	451	ug/kg	U	1
Fluorene	BQL	451	ug/kg	U	1
Hexachlorobenzene	BQL	451	ug/kg	U	1
Hexachlorobutadiene	BQL	451	ug/kg	U	1
Hexachlorocyclopentadiene	BQL	451	ug/kg	U	1
Hexachloroethane	BQL	451	ug/kg	U	1
Indeno(1,2,3-c,d)Pyrene	BQL	451	ug/kg	U	1
Isophorone	BQL	451	ug/kg	U	1
Naphthalene	BQL	451	ug/kg	U	1
Nitrobenzene	BQL	451	ug/kg	U	1
Pentachlorophenol	BQL	902	ug/kg	U	1
Phenanthrene	BQL	451	ug/kg	U	1
Phenol	BQL	451	ug/kg	U	1
Pyrene	BQL	451	ug/kg	U	1
bis(2-chloroethoxy) methane	BQL	451	ug/kg	U	1
bis(2-chloroethyl) ether	BQL	451	ug/kg	U	1
bis(2-ethylhexyl) phthalate	BQL	451	ug/kg	U	1
di-n-Butyl Phthalate	BQL	451	ug/kg	U	1
di-n-Octyl Phthalate	BQL	451	ug/kg	U	1
n-Nitrosodi-n-Propylamine	BQL	451	ug/kg	U	1
n-Nitrosodiphenylamine	BQL	451	ug/kg	U	1

Summary of Analytical Results

Client ID AB1005
GPL ID: 9126-004-03-1/1
Matrix: Soil
Date Collected: Sep-19-2000
Date Received: Sep-21-2000

Prep Method: SW3550
Prep Date: Sep-26-2000
Prep Time: 00:00
Prep Chemist: Rekha Patel

Analytical Method: SW8270CTCL
Date Analyzed: Oct-07-2000
Time Analyzed 22:04
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	485	ug/kg	U	1
1,2-Dichlorobenzene	BQL	485	ug/kg	U	1
1,3-Dichlorobenzene	BQL	485	ug/kg	U	1
1,4-Dichlorobenzene	BQL	485	ug/kg	U	1
2,2-Oxybis(1-Chloro)Propane	BQL	485	ug/kg	U	1
2,4,5-Trichlorophenol	BQL	485	ug/kg	U	1
2,4,6-Trichlorophenol	BQL	485	ug/kg	U	1
2,4-Dichlorophenol	BQL	485	ug/kg	U	1
2,4-Dimethylphenol	BQL	485	ug/kg	U	1
2,4-Dinitrophenol	BQL	970	ug/kg	U	1
2,4-Dinitrotoluene	BQL	485	ug/kg	U	1
2,6-Dinitrotoluene	BQL	485	ug/kg	U	1
2-Chloronaphthalene	BQL	485	ug/kg	U	1
2-Chlorophenol	BQL	485	ug/kg	U	1
2-Methylnaphthalene	BQL	485	ug/kg	U	1
2-Nitroaniline	BQL	485	ug/kg	U	1
2-Nitrophenol	BQL	485	ug/kg	U	1
2-methylphenol	BQL	485	ug/kg	U	1
3,3-Dichlorobenzidine	BQL	970	ug/kg	U	1
3-Nitroaniline	BQL	485	ug/kg	U	1
4,6-dinitro-2-methyl phenol	BQL	970	ug/kg	U	1
4-Bromophenyl-phenylether	BQL	485	ug/kg	U	1
4-Chloroaniline	BQL	485	ug/kg	U	1
4-Chlorophenyl Phenyl Ether	BQL	485	ug/kg	U	1
4-Nitroaniline	BQL	485	ug/kg	U	1
4-Nitrophenol	BQL	970	ug/kg	U	1
4-chloro-3-methylphenol	BQL	485	ug/kg	U	1
4-methylphenol	BQL	485	ug/kg	U	1
Acenaphthene	BQL	485	ug/kg	U	1
Acenaphthylene	BQL	485	ug/kg	U	1
Anthracene	BQL	485	ug/kg	U	1
Benzo(a)anthracene	BQL	485	ug/kg	U	1
Benzo(a)pyrene	BQL	485	ug/kg	U	1
Benzo(b)fluoranthene	BQL	485	ug/kg	U	1
Benzo(g,h,i)perylene	BQL	485	ug/kg	U	1
Benzo(k)fluoranthene	BQL	485	ug/kg	U	1
Benzyl Butyl Phthalate	BQL	485	ug/kg	U	1
Carbazole	BQL	485	ug/kg	U	1
Chrysene	BQL	485	ug/kg	U	1

Summary of Analytical Results

Client ID AB1005
GPL ID: 9126-004-03-1/1
Matrix: Soil
Date Collected: Sep-19-2000
Date Received: Sep-21-2000

Prep Method: SW3550
Prep Date: Sep-26-2000
Prep Time: 00:00
Prep Chemist: Rekha Patel

Analytical Method: SW8270CTCL
Date Analyzed: Oct-07-2000
Time Analyzed 22:04
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	485	ug/kg	U	1
Dibenzofuran	BQL	485	ug/kg	U	1
Diethyl Phthalate	BQL	485	ug/kg	U	1
Dimethyl Phthalate	BQL	485	ug/kg	U	1
Fluoranthene	BQL	485	ug/kg	U	1
Fluorene	BQL	485	ug/kg	U	1
Hexachlorobenzene	BQL	485	ug/kg	U	1
Hexachlorobutadiene	BQL	485	ug/kg	U	1
Hexachlorocyclopentadiene	BQL	485	ug/kg	U	1
Hexachloroethane	BQL	485	ug/kg	U	1
Indeno(1,2,3-c,d)Pyrene	BQL	485	ug/kg	U	1
Isophorone	BQL	485	ug/kg	U	1
Naphthalene	BQL	485	ug/kg	U	1
Nitrobenzene	BQL	485	ug/kg	U	1
Pentachlorophenol	BQL	970	ug/kg	U	1
Phenanthrene	BQL	485	ug/kg	U	1
Phenol	BQL	485	ug/kg	U	1
Pyrene	BQL	485	ug/kg	U	1
bis(2-chloroethoxy) methane	BQL	485	ug/kg	U	1
bis(2-chloroethyl) ether	BQL	485	ug/kg	U	1
bis(2-ethylhexyl) phthalate	BQL	485	ug/kg	U	1
di-n-Butyl Phthalate	BQL	485	ug/kg	U	1
di-n-Octyl Phthalate	BQL	485	ug/kg	U	1
n-Nitrosodi-n-Propylamine	BQL	485	ug/kg	U	1
n-Nitrosodiphenylamine	BQL	485	ug/kg	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB1007
GPL ID: 9126-005-03-1/1
Matrix: Soil
Date Collected: Sep-19-2000
Date Received: Sep-21-2000

Prep Method: SW3550
Prep Date: Sep-26-2000
Prep Time: 00:00
Prep Chemist: Rekha Patel

Analytical Method: SW8270CTCL
Date Analyzed: Oct-07-2000
Time Analyzed 22:41
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	421	ug/kg	U	1
1,2-Dichlorobenzene	BQL	421	ug/kg	U	1
1,3-Dichlorobenzene	BQL	421	ug/kg	U	1
1,4-Dichlorobenzene	BQL	421	ug/kg	U	1
2,2-Oxybis(1-Chloro)Propane	BQL	421	ug/kg	U	1
2,4,5-Trichlorophenol	BQL	421	ug/kg	U	1
2,4,6-Trichlorophenol	BQL	421	ug/kg	U	1
2,4-Dichlorophenol	BQL	421	ug/kg	U	1
2,4-Dimethylphenol	BQL	421	ug/kg	U	1
2,4-Dinitrophenol	BQL	842	ug/kg	U	1
2,4-Dinitrotoluene	BQL	421	ug/kg	U	1
2,6-Dinitrotoluene	BQL	421	ug/kg	U	1
2-Chloronaphthalene	BQL	421	ug/kg	U	1
2-Chlorophenol	BQL	421	ug/kg	U	1
2-Methylnaphthalene	BQL	421	ug/kg	U	1
2-Nitroaniline	BQL	421	ug/kg	U	1
2-Nitrophenol	BQL	421	ug/kg	U	1
2-methylphenol	BQL	421	ug/kg	U	1
3,3-Dichlorobenzidine	BQL	842	ug/kg	U	1
3-Nitroaniline	BQL	421	ug/kg	U	1
4,6-dinitro-2-methyl phenol	BQL	842	ug/kg	U	1
4-Bromophenyl-phenylether	BQL	421	ug/kg	U	1
4-Chloroaniline	BQL	421	ug/kg	U	1
4-Chlorophenyl Phenyl Ether	BQL	421	ug/kg	U	1
4-Nitroaniline	BQL	421	ug/kg	U	1
4-Nitrophenol	BQL	842	ug/kg	U	1
4-chloro-3-methylphenol	BQL	421	ug/kg	U	1
4-methylphenol	BQL	421	ug/kg	U	1
Acenaphthene	BQL	421	ug/kg	U	1
Acenaphthylene	BQL	421	ug/kg	U	1
Anthracene	BQL	421	ug/kg	U	1
Benzo(a)anthracene	BQL	421	ug/kg	U	1
Benzo(a)pyrene	BQL	421	ug/kg	U	1
Benzo(b)fluoranthene	BQL	421	ug/kg	U	1
Benzo(g,h,i)perylene	BQL	421	ug/kg	U	1
Benzo(k)fluoranthene	BQL	421	ug/kg	U	1
Benzyl Butyl Phthalate	BQL	421	ug/kg	U	1
Carbazole	BQL	421	ug/kg	U	1
Chrysene	BQL	421	ug/kg	U	1

Summary of Analytical Results

Client ID AB1007
GPL ID: 9126-005-03-1/1
Matrix: Soil
Date Collected: Sep-19-2000
Date Received: Sep-21-2000

Prep Method: SW3550
Prep Date: Sep-26-2000
Prep Time: 00:00
Prep Chemist: Rekha Patel

Analytical Method: SW8270CTCL
Date Analyzed: Oct-07-2000
Time Analyzed 22:41
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	421	ug/kg	U	1
Dibenzofuran	BQL	421	ug/kg	U	1
Diethyl Phthalate	BQL	421	ug/kg	U	1
Dimethyl Phthalate	BQL	421	ug/kg	U	1
Fluoranthene	BQL	421	ug/kg	U	1
Fluorene	BQL	421	ug/kg	U	1
Hexachlorobenzene	BQL	421	ug/kg	U	1
Hexachlorobutadiene	BQL	421	ug/kg	U	1
Hexachlorocyclopentadiene	BQL	421	ug/kg	U	1
Hexachloroethane	BQL	421	ug/kg	U	1
Indeno(1,2,3-c,d)Pyrene	BQL	421	ug/kg	U	1
Isophorone	BQL	421	ug/kg	U	1
Naphthalene	BQL	421	ug/kg	U	1
Nitrobenzene	BQL	421	ug/kg	U	1
Pentachlorophenol	BQL	842	ug/kg	U	1
Phenanthrene	BQL	421	ug/kg	U	1
Phenol	BQL	421	ug/kg	U	1
Pyrene	BQL	421	ug/kg	U	1
bis(2-chloroethoxy) methane	BQL	421	ug/kg	U	1
bis(2-chloroethyl) ether	BQL	421	ug/kg	U	1
bis(2-ethylhexyl) phthalate	BQL	421	ug/kg	U	1
di-n-Butyl Phthalate	BQL	421	ug/kg	U	1
di-n-Octyl Phthalate	BQL	421	ug/kg	U	1
n-Nitrosodi-n-Propylamine	BQL	421	ug/kg	U	1
n-Nitrosodiphenylamine	BQL	421	ug/kg	U	1

Summary of Analytical Results

Client ID AB1008
GPL ID: 9126-006-03-1/1
Matrix: Soil
Date Collected: Sep-19-2000
Date Received: Sep-21-2000

Prep Method: SW3550
Prep Date: Sep-26-2000
Prep Time: 00:00
Prep Chemist: Rekha Patel

Analytical Method: SW8270CTCL
Date Analyzed: Oct-07-2000
Time Analyzed 23:19
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	420	ug/kg	U	1
1,2-Dichlorobenzene	BQL	420	ug/kg	U	1
1,3-Dichlorobenzene	BQL	420	ug/kg	U	1
1,4-Dichlorobenzene	BQL	420	ug/kg	U	1
2,2-Oxybis(1-Chloro)Propane	BQL	420	ug/kg	U	1
2,4,5-Trichlorophenol	BQL	420	ug/kg	U	1
2,4,6-Trichlorophenol	BQL	420	ug/kg	U	1
2,4-Dichlorophenol	BQL	420	ug/kg	U	1
2,4-Dimethylphenol	BQL	420	ug/kg	U	1
2,4-Dinitrophenol	BQL	839	ug/kg	U	1
2,4-Dinitrotoluene	101	420	ug/kg	J	1
2,6-Dinitrotoluene	BQL	420	ug/kg	U	1
2-Chloronaphthalene	BQL	420	ug/kg	U	1
2-Chlorophenol	BQL	420	ug/kg	U	1
2-Methylnaphthalene	BQL	420	ug/kg	U	1
2-Nitroaniline	BQL	420	ug/kg	U	1
2-Nitrophenol	BQL	420	ug/kg	U	1
2-methylphenol	BQL	420	ug/kg	U	1
3,3-Dichlorobenzidine	BQL	839	ug/kg	U	1
3-Nitroaniline	BQL	420	ug/kg	U	1
4,6-dinitro-2-methyl phenol	BQL	839	ug/kg	U	1
4-Bromophenyl-phenylether	BQL	420	ug/kg	U	1
4-Chloroaniline	BQL	420	ug/kg	U	1
4-Chlorophenyl Phenyl Ether	BQL	420	ug/kg	U	1
4-Nitroaniline	BQL	420	ug/kg	U	1
4-Nitrophenol	BQL	839	ug/kg	U	1
4-chloro-3-methylphenol	BQL	420	ug/kg	U	1
4-methylphenol	BQL	420	ug/kg	U	1
Acenaphthene	BQL	420	ug/kg	U	1
Acenaphthylene	BQL	420	ug/kg	U	1
Anthracene	BQL	420	ug/kg	U	1
Benzo(a)anthracene	BQL	420	ug/kg	U	1
Benzo(a)pyrene	BQL	420	ug/kg	U	1
Benzo(b)fluoranthene	BQL	420	ug/kg	U	1
Benzo(g,h,i)perylene	BQL	420	ug/kg	U	1
Benzo(k)fluoranthene	BQL	420	ug/kg	U	1
Benzyl Butyl Phthalate	BQL	420	ug/kg	U	1
Carbazole	BQL	420	ug/kg	U	1
Chrysene	BQL	420	ug/kg	U	1

Summary of Analytical Results

Client ID AB1008
GPL ID: 9126-006-03-1/1
Matrix: Soil
Date Collected: Sep-19-2000
Date Received: Sep-21-2000

Prep Method: SW3550
Prep Date: Sep-26-2000
Prep Time: 00:00
Prep Chemist: Rekha Patel

Analytical Method: SW8270CTCL
Date Analyzed: Oct-07-2000
Time Analyzed 23:19
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	420	ug/kg	U	1
Dibenzofuran	BQL	420	ug/kg	U	1
Diethyl Phthalate	BQL	420	ug/kg	U	1
Dimethyl Phthalate	BQL	420	ug/kg	U	1
Fluoranthene	BQL	420	ug/kg	U	1
Fluorene	BQL	420	ug/kg	U	1
Hexachlorobenzene	BQL	420	ug/kg	U	1
Hexachlorobutadiene	BQL	420	ug/kg	U	1
Hexachlorocyclopentadiene	BQL	420	ug/kg	U	1
Hexachloroethane	BQL	420	ug/kg	U	1
Indeno(1,2,3-c,d)Pyrene	BQL	420	ug/kg	U	1
Isophorone	BQL	420	ug/kg	U	1
Naphthalene	BQL	420	ug/kg	U	1
Nitrobenzene	BQL	420	ug/kg	U	1
Pentachlorophenol	BQL	839	ug/kg	U	1
Phenanthrene	BQL	420	ug/kg	U	1
Phenol	BQL	420	ug/kg	U	1
Pyrene	BQL	420	ug/kg	U	1
bis(2-chloroethoxy) methane	BQL	420	ug/kg	U	1
bis(2-chloroethyl) ether	BQL	420	ug/kg	U	1
bis(2-ethylhexyl) phthalate	BQL	420	ug/kg	U	1
di-n-Butyl Phthalate	BQL	420	ug/kg	U	1
di-n-Octyl Phthalate	BQL	420	ug/kg	U	1
n-Nitrosodi-n-Propylamine	BQL	420	ug/kg	U	1
n-Nitrosodiphenylamine	BQL	420	ug/kg	U	1

Summary of Analytical Results

Client ID AB1009
GPL ID: 9126-007-03-1/1
Matrix: Soil
Date Collected: Sep-19-2000
Date Received: Sep-21-2000

Prep Method: SW3550
Prep Date: Sep-26-2000
Prep Time: 00:00
Prep Chemist: Rekha Patel

Analytical Method: SW8270CTCL
Date Analyzed: Oct-08-2000
Time Analyzed 17:04
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	429	ug/kg	U	1
1,2-Dichlorobenzene	BQL	429	ug/kg	U	1
1,3-Dichlorobenzene	BQL	429	ug/kg	U	1
1,4-Dichlorobenzene	BQL	429	ug/kg	U	1
2,2-Oxybis(1-Chloro)Propane	BQL	429	ug/kg	U	1
2,4,5-Trichlorophenol	BQL	429	ug/kg	U	1
2,4,6-Trichlorophenol	BQL	429	ug/kg	U	1
2,4-Dichlorophenol	BQL	429	ug/kg	U	1
2,4-Dimethylphenol	BQL	429	ug/kg	U	1
2,4-Dinitrophenol	BQL	857	ug/kg	U	1
2,4-Dinitrotoluene	276	429	ug/kg	J	1
2,6-Dinitrotoluene	183	429	ug/kg	J	1
2-Chloronaphthalene	BQL	429	ug/kg	U	1
2-Chlorophenol	BQL	429	ug/kg	U	1
2-Methylnaphthalene	BQL	429	ug/kg	U	1
2-Nitroaniline	BQL	429	ug/kg	U	1
2-Nitrophenol	BQL	429	ug/kg	U	1
2-methylphenol	BQL	429	ug/kg	U	1
3,3-Dichlorobenzidine	BQL	857	ug/kg	U	1
3-Nitroaniline	BQL	429	ug/kg	U	1
4,6-dinitro-2-methyl phenol	BQL	857	ug/kg	U	1
4-Bromophenyl-phenylether	BQL	429	ug/kg	U	1
4-Chloroaniline	BQL	429	ug/kg	U	1
4-Chlorophenyl Phenyl Ether	BQL	429	ug/kg	U	1
4-Nitroaniline	BQL	429	ug/kg	U	1
4-Nitrophenol	BQL	857	ug/kg	U	1
4-chloro-3-methylphenol	BQL	429	ug/kg	U	1
4-methylphenol	BQL	429	ug/kg	U	1
Acenaphthene	BQL	429	ug/kg	U	1
Acenaphthylene	BQL	429	ug/kg	U	1
Anthracene	BQL	429	ug/kg	U	1
Benzo(a)anthracene	94.7	429	ug/kg	J	1
Benzo(a)pyrene	69.9	429	ug/kg	J	1
Benzo(b)fluoranthene	120	429	ug/kg	J	1
Benzo(g,h,i)perylene	BQL	429	ug/kg	U	1
Benzo(k)fluoranthene	BQL	429	ug/kg	U	1
Benzyl Butyl Phthalate	BQL	429	ug/kg	U	1
Carbazole	BQL	429	ug/kg	U	1
Chrysene	73.7	429	ug/kg	J	1

Summary of Analytical Results

Client ID AB1009
GPL ID: 9126-007-03-1/1
Matrix: Soil
Date Collected: Sep-19-2000
Date Received: Sep-21-2000

Prep Method: SW3550
Prep Date: Sep-26-2000
Prep Time: 00:00
Prep Chemist: Rekha Patel

Analytical Method: SW8270CTCL
Date Analyzed: Oct-08-2000
Time Analyzed 17:04
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	429	ug/kg	U	1
Dibenzofuran	BQL	429	ug/kg	U	1
Diethyl Phthalate	BQL	429	ug/kg	U	1
Dimethyl Phthalate	BQL	429	ug/kg	U	1
Fluoranthene	BQL	429	ug/kg	U	1
Fluorene	BQL	429	ug/kg	U	1
Hexachlorobenzene	BQL	429	ug/kg	U	1
Hexachlorobutadiene	BQL	429	ug/kg	U	1
Hexachlorocyclopentadiene	BQL	429	ug/kg	U	1
Hexachloroethane	BQL	429	ug/kg	U	1
Indeno(1,2,3-c,d)Pyrene	BQL	429	ug/kg	U	1
Isophorone	BQL	429	ug/kg	U	1
Naphthalene	BQL	429	ug/kg	U	1
Nitrobenzene	BQL	429	ug/kg	U	1
Pentachlorophenol	BQL	857	ug/kg	U	1
Phenanthrene	BQL	429	ug/kg	U	1
Phenol	BQL	429	ug/kg	U	1
Pyrene	110	429	ug/kg	J	1
bis(2-chloroethoxy) methane	BQL	429	ug/kg	U	1
bis(2-chloroethyl) ether	BQL	429	ug/kg	U	1
bis(2-ethylhexyl) phthalate	BQL	429	ug/kg	U	1
di-n-Butyl Phthalate	BQL	429	ug/kg	U	1
di-n-Octyl Phthalate	BQL	429	ug/kg	U	1
n-Nitrosodi-n-Propylamine	BQL	429	ug/kg	U	1
n-Nitrosodiphenylamine	BQL	429	ug/kg	U	1

Summary of Analytical Results

Client ID AB1010
GPL ID: 9126-008-03-1/1
Matrix: Soil
Date Collected: Sep-19-2000
Date Received: Sep-21-2000

Prep Method: SW3550
Prep Date: Sep-26-2000
Prep Time: 00:00
Prep Chemist: Rekha Patel

Analytical Method: SW8270CTCL
Date Analyzed: Oct-07-2000
Time Analyzed 23:56
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	435	ug/kg	U	1
1,2-Dichlorobenzene	BQL	435	ug/kg	U	1
1,3-Dichlorobenzene	BQL	435	ug/kg	U	1
1,4-Dichlorobenzene	BQL	435	ug/kg	U	1
2,2-Oxybis(1-Chloro)Propane	BQL	435	ug/kg	U	1
2,4,5-Trichlorophenol	BQL	435	ug/kg	U	1
2,4,6-Trichlorophenol	BQL	435	ug/kg	U	1
2,4-Dichlorophenol	BQL	435	ug/kg	U	1
2,4-Dimethylphenol	BQL	435	ug/kg	U	1
2,4-Dinitrophenol	BQL	870	ug/kg	U	1
2,4-Dinitrotoluene	BQL	435	ug/kg	U	1
2,6-Dinitrotoluene	BQL	435	ug/kg	U	1
2-Chloronaphthalene	BQL	435	ug/kg	U	1
2-Chlorophenol	BQL	435	ug/kg	U	1
2-Methylnaphthalene	BQL	435	ug/kg	U	1
2-Nitroaniline	BQL	435	ug/kg	U	1
2-Nitrophenol	BQL	435	ug/kg	U	1
2-methylphenol	BQL	435	ug/kg	U	1
3,3-Dichlorobenzidine	BQL	870	ug/kg	U	1
3-Nitroaniline	BQL	435	ug/kg	U	1
4,6-dinitro-2-methyl phenol	BQL	870	ug/kg	U	1
4-Bromophenyl-phenylether	BQL	435	ug/kg	U	1
4-Chloroaniline	BQL	435	ug/kg	U	1
4-Chlorophenyl Phenyl Ether	BQL	435	ug/kg	U	1
4-Nitroaniline	BQL	435	ug/kg	U	1
4-Nitrophenol	BQL	870	ug/kg	U	1
4-chloro-3-methylphenol	BQL	435	ug/kg	U	1
4-methylphenol	BQL	435	ug/kg	U	1
Acenaphthene	BQL	435	ug/kg	U	1
Acenaphthylene	BQL	435	ug/kg	U	1
Anthracene	BQL	435	ug/kg	U	1
Benzo(a)anthracene	BQL	435	ug/kg	U	1
Benzo(a)pyrene	BQL	435	ug/kg	U	1
Benzo(b)fluoranthene	BQL	435	ug/kg	U	1
Benzo(g,h,i)perylene	BQL	435	ug/kg	U	1
Benzo(k)fluoranthene	BQL	435	ug/kg	U	1
Benzyl Butyl Phthalate	BQL	435	ug/kg	U	1
Carbazole	BQL	435	ug/kg	U	1
Chrysene	BQL	435	ug/kg	U	1

Summary of Analytical Results

Client ID AB1010
GPL ID: 9126-008-03-1/1
Matrix: Soil
Date Collected: Sep-19-2000
Date Received: Sep-21-2000

Prep Method: SW3550
Prep Date: Sep-26-2000
Prep Time: 00:00
Prep Chemist: Rekha Patel

Analytical Method: SW8270CTCL
Date Analyzed: Oct-07-2000
Time Analyzed 23:56
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	435	ug/kg	U	1
Dibenzofuran	BQL	435	ug/kg	U	1
Diethyl Phthalate	BQL	435	ug/kg	U	1
Dimethyl Phthalate	BQL	435	ug/kg	U	1
Fluoranthene	BQL	435	ug/kg	U	1
Fluorene	BQL	435	ug/kg	U	1
Hexachlorobenzene	BQL	435	ug/kg	U	1
Hexachlorobutadiene	BQL	435	ug/kg	U	1
Hexachlorocyclopentadiene	BQL	435	ug/kg	U	1
Hexachloroethane	BQL	435	ug/kg	U	1
Indeno(1,2,3-c,d)Pyrene	BQL	435	ug/kg	U	1
Isophorone	BQL	435	ug/kg	U	1
Naphthalene	BQL	435	ug/kg	U	1
Nitrobenzene	BQL	435	ug/kg	U	1
Pentachlorophenol	BQL	870	ug/kg	U	1
Phenanthrene	BQL	435	ug/kg	U	1
Phenol	BQL	435	ug/kg	U	1
Pyrene	BQL	435	ug/kg	U	1
bis(2-chloroethoxy) methane	BQL	435	ug/kg	U	1
bis(2-chloroethyl) ether	BQL	435	ug/kg	U	1
bis(2-ethylhexyl) phthalate	BQL	435	ug/kg	U	1
di-n-Butyl Phthalate	BQL	435	ug/kg	U	1
di-n-Octyl Phthalate	BQL	435	ug/kg	U	1
n-Nitrosodi-n-Propylamine	BQL	435	ug/kg	U	1
n-Nitrosodiphenylamine	BQL	435	ug/kg	U	1

Summary of Analytical Results

Client ID AB1011
GPL ID: 9126-009-03-1/1
Matrix: Soil
Date Collected: Sep-19-2000
Date Received: Sep-21-2000

Prep Method: SW3550
Prep Date: Sep-26-2000
Prep Time: 00:00
Prep Chemist: Rekha Patel

Analytical Method: SW8270CTCL
Date Analyzed: Oct-08-2000
Time Analyzed 00:34
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	449	ug/kg	U	1
1,2-Dichlorobenzene	BQL	449	ug/kg	U	1
1,3-Dichlorobenzene	BQL	449	ug/kg	U	1
1,4-Dichlorobenzene	BQL	449	ug/kg	U	1
2,2-Oxybis(1-Chloro)Propane	BQL	449	ug/kg	U	1
2,4,5-Trichlorophenol	BQL	449	ug/kg	U	1
2,4,6-Trichlorophenol	BQL	449	ug/kg	U	1
2,4-Dichlorophenol	BQL	449	ug/kg	U	1
2,4-Dimethylphenol	BQL	449	ug/kg	U	1
2,4-Dinitrophenol	BQL	899	ug/kg	U	1
2,4-Dinitrotoluene	BQL	449	ug/kg	U	1
2,6-Dinitrotoluene	BQL	449	ug/kg	U	1
2-Chloronaphthalene	BQL	449	ug/kg	U	1
2-Chlorophenol	BQL	449	ug/kg	U	1
2-Methylnaphthalene	BQL	449	ug/kg	U	1
2-Nitroaniline	BQL	449	ug/kg	U	1
2-Nitrophenol	BQL	449	ug/kg	U	1
2-methylphenol	BQL	449	ug/kg	U	1
3,3-Dichlorobenzidine	BQL	899	ug/kg	U	1
3-Nitroaniline	BQL	449	ug/kg	U	1
4,6-dinitro-2-methyl phenol	BQL	899	ug/kg	U	1
4-Bromophenyl-phenylether	BQL	449	ug/kg	U	1
4-Chloroaniline	BQL	449	ug/kg	U	1
4-Chlorophenyl Phenyl Ether	BQL	449	ug/kg	U	1
4-Nitroaniline	BQL	449	ug/kg	U	1
4-Nitrophenol	BQL	899	ug/kg	U	1
4-chloro-3-methylphenol	BQL	449	ug/kg	U	1
4-methylphenol	BQL	449	ug/kg	U	1
Acenaphthene	BQL	449	ug/kg	U	1
Acenaphthylene	BQL	449	ug/kg	U	1
Anthracene	BQL	449	ug/kg	U	1
Benzo(a)anthracene	BQL	449	ug/kg	U	1
Benzo(a)pyrene	BQL	449	ug/kg	U	1
Benzo(b)fluoranthene	BQL	449	ug/kg	U	1
Benzo(g,h,i)perylene	BQL	449	ug/kg	U	1
Benzo(k)fluoranthene	BQL	449	ug/kg	U	1
Benzyl Butyl Phthalate	BQL	449	ug/kg	U	1
Carbazole	BQL	449	ug/kg	U	1
Chrysene	BQL	449	ug/kg	U	1

Summary of Analytical Results

Client ID AB1011
GPL ID: 9126-009-03-1/1
Matrix: Soil
Date Collected: Sep-19-2000
Date Received: Sep-21-2000

Prep Method: SW3550
Prep Date: Sep-26-2000
Prep Time: 00:00
Prep Chemist: Rekha Patel

Analytical Method: SW8270CTCL
Date Analyzed: Oct-08-2000
Time Analyzed 00:34
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	449	ug/kg	U	1
Dibenzofuran	BQL	449	ug/kg	U	1
Diethyl Phthalate	BQL	449	ug/kg	U	1
Dimethyl Phthalate	BQL	449	ug/kg	U	1
Fluoranthene	BQL	449	ug/kg	U	1
Fluorene	BQL	449	ug/kg	U	1
Hexachlorobenzene	BQL	449	ug/kg	U	1
Hexachlorobutadiene	BQL	449	ug/kg	U	1
Hexachlorocyclopentadiene	BQL	449	ug/kg	U	1
Hexachloroethane	BQL	449	ug/kg	U	1
Indeno(1,2,3-c,d)Pyrene	BQL	449	ug/kg	U	1
Isophorone	BQL	449	ug/kg	U	1
Naphthalene	BQL	449	ug/kg	U	1
Nitrobenzene	BQL	449	ug/kg	U	1
Pentachlorophenol	BQL	899	ug/kg	U	1
Phenanthrene	BQL	449	ug/kg	U	1
Phenol	BQL	449	ug/kg	U	1
Pyrene	BQL	449	ug/kg	U	1
bis(2-chloroethoxy) methane	BQL	449	ug/kg	U	1
bis(2-chloroethyl) ether	BQL	449	ug/kg	U	1
bis(2-ethylhexyl) phthalate	BQL	449	ug/kg	U	1
di-n-Butyl Phthalate	BQL	449	ug/kg	U	1
di-n-Octyl Phthalate	BQL	449	ug/kg	U	1
n-Nitrosodi-n-Propylamine	BQL	449	ug/kg	U	1
n-Nitrosodiphenylamine	BQL	449	ug/kg	U	1

Summary of Analytical Results

Client ID AB1012
GPL ID: 9126-010-03-1/1
Matrix: Soil
Date Collected: Sep-19-2000
Date Received: Sep-21-2000

Prep Method: SW3550
Prep Date: Sep-26-2000
Prep Time: 00:00
Prep Chemist: Rekha Patel

Analytical Method: SW8270CTCL
Date Analyzed: Oct-08-2000
Time Analyzed 02:25
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	428	ug/kg	U	1
1,2-Dichlorobenzene	BQL	428	ug/kg	U	1
1,3-Dichlorobenzene	BQL	428	ug/kg	U	1
1,4-Dichlorobenzene	BQL	428	ug/kg	U	1
2,2-Oxybis(1-Chloro)Propane	BQL	428	ug/kg	U	1
2,4,5-Trichlorophenol	BQL	428	ug/kg	U	1
2,4,6-Trichlorophenol	BQL	428	ug/kg	U	1
2,4-Dichlorophenol	BQL	428	ug/kg	U	1
2,4-Dimethylphenol	BQL	428	ug/kg	U	1
2,4-Dinitrophenol	BQL	857	ug/kg	U	1
2,4-Dinitrotoluene	BQL	428	ug/kg	U	1
2,6-Dinitrotoluene	BQL	428	ug/kg	U	1
2-Chloronaphthalene	BQL	428	ug/kg	U	1
2-Chlorophenol	BQL	428	ug/kg	U	1
2-Methylnaphthalene	BQL	428	ug/kg	U	1
2-Nitroaniline	BQL	428	ug/kg	U	1
2-Nitrophenol	BQL	428	ug/kg	U	1
2-methylphenol	BQL	428	ug/kg	U	1
3,3-Dichlorobenzidine	BQL	857	ug/kg	U	1
3-Nitroaniline	BQL	428	ug/kg	U	1
4,6-dinitro-2-methyl phenol	BQL	857	ug/kg	U	1
4-Bromophenyl-phenylether	BQL	428	ug/kg	U	1
4-Chloroaniline	BQL	428	ug/kg	U	1
4-Chlorophenyl Phenyl Ether	BQL	428	ug/kg	U	1
4-Nitroaniline	BQL	428	ug/kg	U	1
4-Nitrophenol	BQL	857	ug/kg	U	1
4-chloro-3-methylphenol	BQL	428	ug/kg	U	1
4-methylphenol	BQL	428	ug/kg	U	1
Acenaphthene	BQL	428	ug/kg	U	1
Acenaphthylene	BQL	428	ug/kg	U	1
Anthracene	BQL	428	ug/kg	U	1
Benzo(a)anthracene	BQL	428	ug/kg	U	1
Benzo(a)pyrene	BQL	428	ug/kg	U	1
Benzo(b)fluoranthene	BQL	428	ug/kg	U	1
Benzo(g,h,i)perylene	BQL	428	ug/kg	U	1
Benzo(k)fluoranthene	BQL	428	ug/kg	U	1
Benzyl Butyl Phthalate	BQL	428	ug/kg	U	1
Carbazole	BQL	428	ug/kg	U	1
Chrysene	BQL	428	ug/kg	U	1

Summary of Analytical Results

Client ID AB1012
GPL ID: 9126-010-03-1/1
Matrix: Soil
Date Collected: Sep-19-2000
Date Received: Sep-21-2000

Prep Method: SW3550
Prep Date: Sep-26-2000
Prep Time: 00:00
Prep Chemist: Rekha Patel

Analytical Method: SW8270CTCL
Date Analyzed: Oct-08-2000
Time Analyzed 02:25
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	428	ug/kg	U	1
Dibenzofuran	BQL	428	ug/kg	U	1
Diethyl Phthalate	BQL	428	ug/kg	U	1
Dimethyl Phthalate	BQL	428	ug/kg	U	1
Fluoranthene	BQL	428	ug/kg	U	1
Fluorene	BQL	428	ug/kg	U	1
Hexachlorobenzene	BQL	428	ug/kg	U	1
Hexachlorobutadiene	BQL	428	ug/kg	U	1
Hexachlorocyclopentadiene	BQL	428	ug/kg	U	1
Hexachloroethane	BQL	428	ug/kg	U	1
Indeno(1,2,3-c,d)Pyrene	BQL	428	ug/kg	U	1
Isophorone	BQL	428	ug/kg	U	1
Naphthalene	BQL	428	ug/kg	U	1
Nitrobenzene	BQL	428	ug/kg	U	1
Pentachlorophenol	BQL	857	ug/kg	U	1
Phenanthrene	BQL	428	ug/kg	U	1
Phenol	BQL	428	ug/kg	U	1
Pyrene	BQL	428	ug/kg	U	1
bis(2-chloroethoxy) methane	BQL	428	ug/kg	U	1
bis(2-chloroethyl) ether	BQL	428	ug/kg	U	1
bis(2-ethylhexyl) phthalate	BQL	428	ug/kg	U	1
di-n-Butyl Phthalate	BQL	428	ug/kg	U	1
di-n-Octyl Phthalate	BQL	428	ug/kg	U	1
n-Nitrosodi-n-Propylamine	BQL	428	ug/kg	U	1
n-Nitrosodiphenylamine	BQL	428	ug/kg	U	1

Summary of Analytical Results

Client ID AB1013
GPL ID: 9126-011-03-1/1
Matrix: Soil
Date Collected: Sep-19-2000
Date Received: Sep-21-2000

Prep Method: SW3550
Prep Date: Sep-26-2000
Prep Time: 00:00
Prep Chemist: Rekha Patel

Analytical Method: SW8270CTCL
Date Analyzed: Oct-08-2000
Time Analyzed 03:02
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	420	ug/kg	U	1
1,2-Dichlorobenzene	BQL	420	ug/kg	U	1
1,3-Dichlorobenzene	BQL	420	ug/kg	U	1
1,4-Dichlorobenzene	BQL	420	ug/kg	U	1
2,2-Oxybis(1-Chloro)Propane	BQL	420	ug/kg	U	1
2,4,5-Trichlorophenol	BQL	420	ug/kg	U	1
2,4,6-Trichlorophenol	BQL	420	ug/kg	U	1
2,4-Dichlorophenol	BQL	420	ug/kg	U	1
2,4-Dimethylphenol	BQL	420	ug/kg	U	1
2,4-Dinitrophenol	BQL	840	ug/kg	U	1
2,4-Dinitrotoluene	BQL	420	ug/kg	U	1
2,6-Dinitrotoluene	BQL	420	ug/kg	U	1
2-Chloronaphthalene	BQL	420	ug/kg	U	1
2-Chlorophenol	BQL	420	ug/kg	U	1
2-Methylnaphthalene	BQL	420	ug/kg	U	1
2-Nitroaniline	BQL	420	ug/kg	U	1
2-Nitrophenol	BQL	420	ug/kg	U	1
2-methylphenol	BQL	420	ug/kg	U	1
3,3-Dichlorobenzidine	BQL	840	ug/kg	U	1
3-Nitroaniline	BQL	420	ug/kg	U	1
4,6-dinitro-2-methyl phenol	BQL	840	ug/kg	U	1
4-Bromophenyl-phenylether	BQL	420	ug/kg	U	1
4-Chloroaniline	BQL	420	ug/kg	U	1
4-Chlorophenyl Phenyl Ether	BQL	420	ug/kg	U	1
4-Nitroaniline	BQL	420	ug/kg	U	1
4-Nitrophenol	BQL	840	ug/kg	U	1
4-chloro-3-methylphenol	BQL	420	ug/kg	U	1
4-methylphenol	BQL	420	ug/kg	U	1
Acenaphthene	BQL	420	ug/kg	U	1
Acenaphthylene	BQL	420	ug/kg	U	1
Anthracene	BQL	420	ug/kg	U	1
Benzo(a)anthracene	BQL	420	ug/kg	U	1
Benzo(a)pyrene	BQL	420	ug/kg	U	1
Benzo(b)fluoranthene	BQL	420	ug/kg	U	1
Benzo(g,h,i)perylene	BQL	420	ug/kg	U	1
Benzo(k)fluoranthene	BQL	420	ug/kg	U	1
Benzyl Butyl Phthalate	BQL	420	ug/kg	U	1
Carbazole	BQL	420	ug/kg	U	1
Chrysene	BQL	420	ug/kg	U	1

Summary of Analytical Results

Client ID AB1013
GPL ID: 9126-011-03-1/1
Matrix: Soil
Date Collected: Sep-19-2000
Date Received: Sep-21-2000

Prep Method: SW3550
Prep Date: Sep-26-2000
Prep Time: 00:00
Prep Chemist: Rekha Patel

Analytical Method: SW8270CTCL
Date Analyzed: Oct-08-2000
Time Analyzed 03:02
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	420	ug/kg	U	1
Dibenzofuran	BQL	420	ug/kg	U	1
Diethyl Phthalate	BQL	420	ug/kg	U	1
Dimethyl Phthalate	BQL	420	ug/kg	U	1
Fluoranthene	BQL	420	ug/kg	U	1
Fluorene	BQL	420	ug/kg	U	1
Hexachlorobenzene	BQL	420	ug/kg	U	1
Hexachlorobutadiene	BQL	420	ug/kg	U	1
Hexachlorocyclopentadiene	BQL	420	ug/kg	U	1
Hexachloroethane	BQL	420	ug/kg	U	1
Indeno(1,2,3-c,d)Pyrene	BQL	420	ug/kg	U	1
Isophorone	BQL	420	ug/kg	U	1
Naphthalene	BQL	420	ug/kg	U	1
Nitrobenzene	BQL	420	ug/kg	U	1
Pentachlorophenol	BQL	840	ug/kg	U	1
Phenanthrene	BQL	420	ug/kg	U	1
Phenol	BQL	420	ug/kg	U	1
Pyrene	BQL	420	ug/kg	U	1
bis(2-chloroethoxy) methane	BQL	420	ug/kg	U	1
bis(2-chloroethyl) ether	BQL	420	ug/kg	U	1
bis(2-ethylhexyl) phthalate	BQL	420	ug/kg	U	1
di-n-Butyl Phthalate	BQL	420	ug/kg	U	1
di-n-Octyl Phthalate	BQL	420	ug/kg	U	1
n-Nitrosodi-n-Propylamine	BQL	420	ug/kg	U	1
n-Nitrosodiphenylamine	BQL	420	ug/kg	U	1

Summary of Analytical Results

Client ID AB1014
GPL ID: 9126-012-03-1/1
Matrix: Soil
Date Collected: Sep-19-2000
Date Received: Sep-21-2000

Prep Method: SW3550
Prep Date: Sep-26-2000
Prep Time: 00:00
Prep Chemist: Rekha Patel

Analytical Method: SW8270CTCL
Date Analyzed: Oct-08-2000
Time Analyzed 15:48
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	421	ug/kg	U	1
1,2-Dichlorobenzene	BQL	421	ug/kg	U	1
1,3-Dichlorobenzene	BQL	421	ug/kg	U	1
1,4-Dichlorobenzene	BQL	421	ug/kg	U	1
2,2-Oxybis(1-Chloro)Propane	BQL	421	ug/kg	U	1
2,4,5-Trichlorophenol	BQL	421	ug/kg	U	1
2,4,6-Trichlorophenol	BQL	421	ug/kg	U	1
2,4-Dichlorophenol	BQL	421	ug/kg	U	1
2,4-Dimethylphenol	BQL	421	ug/kg	U	1
2,4-Dinitrophenol	BQL	841	ug/kg	U	1
2,4-Dinitrotoluene	BQL	421	ug/kg	U	1
2,6-Dinitrotoluene	BQL	421	ug/kg	U	1
2-Chloronaphthalene	BQL	421	ug/kg	U	1
2-Chlorophenol	BQL	421	ug/kg	U	1
2-Methylnaphthalene	BQL	421	ug/kg	U	1
2-Nitroaniline	BQL	421	ug/kg	U	1
2-Nitrophenol	BQL	421	ug/kg	U	1
2-methylphenol	BQL	421	ug/kg	U	1
3,3-Dichlorobenzidine	BQL	841	ug/kg	U	1
3-Nitroaniline	BQL	421	ug/kg	U	1
4,6-dinitro-2-methyl phenol	BQL	841	ug/kg	U	1
4-Bromophenyl-phenylether	BQL	421	ug/kg	U	1
4-Chloroaniline	BQL	421	ug/kg	U	1
4-Chlorophenyl Phenyl Ether	BQL	421	ug/kg	U	1
4-Nitroaniline	BQL	421	ug/kg	U	1
4-Nitrophenol	BQL	841	ug/kg	U	1
4-chloro-3-methylphenol	BQL	421	ug/kg	U	1
4-methylphenol	BQL	421	ug/kg	U	1
Acenaphthene	BQL	421	ug/kg	U	1
Acenaphthylene	BQL	421	ug/kg	U	1
Anthracene	BQL	421	ug/kg	U	1
Benzo(a)anthracene	BQL	421	ug/kg	U	1
Benzo(a)pyrene	BQL	421	ug/kg	U	1
Benzo(b)fluoranthene	BQL	421	ug/kg	U	1
Benzo(g,h,i)perylene	BQL	421	ug/kg	U	1
Benzo(k)fluoranthene	BQL	421	ug/kg	U	1
Benzyl Butyl Phthalate	BQL	421	ug/kg	U	1
Carbazole	BQL	421	ug/kg	U	1
Chrysene	BQL	421	ug/kg	U	1

Summary of Analytical Results

Client ID AB1014
GPL ID: 9126-012-03-1/1
Matrix: Soil
Date Collected: Sep-19-2000
Date Received: Sep-21-2000

Prep Method: SW3550
Prep Date: Sep-26-2000
Prep Time: 00:00
Prep Chemist: Rekha Patel

Analytical Method: SW8270CTCL
Date Analyzed: Oct-08-2000
Time Analyzed 15:48
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	421	ug/kg	U	1
Dibenzofuran	BQL	421	ug/kg	U	1
Diethyl Phthalate	BQL	421	ug/kg	U	1
Dimethyl Phthalate	BQL	421	ug/kg	U	1
Fluoranthene	BQL	421	ug/kg	U	1
Fluorene	BQL	421	ug/kg	U	1
Hexachlorobenzene	BQL	421	ug/kg	U	1
Hexachlorobutadiene	BQL	421	ug/kg	U	1
Hexachlorocyclopentadiene	BQL	421	ug/kg	U	1
Hexachloroethane	BQL	421	ug/kg	U	1
Indeno(1,2,3-c,d)Pyrene	BQL	421	ug/kg	U	1
Isophorone	BQL	421	ug/kg	U	1
Naphthalene	BQL	421	ug/kg	U	1
Nitrobenzene	BQL	421	ug/kg	U	1
Pentachlorophenol	BQL	841	ug/kg	U	1
Phenanthrene	BQL	421	ug/kg	U	1
Phenol	BQL	421	ug/kg	U	1
Pyrene	BQL	421	ug/kg	U	1
bis(2-chloroethoxy) methane	BQL	421	ug/kg	U	1
bis(2-chloroethyl) ether	BQL	421	ug/kg	U	1
bis(2-ethylhexyl) phthalate	29.9	421	ug/kg	J	1
di-n-Butyl Phthalate	BQL	421	ug/kg	U	1
di-n-Octyl Phthalate	BQL	421	ug/kg	U	1
n-Nitrosodi-n-Propylamine	BQL	421	ug/kg	U	1
n-Nitrosodiphenylamine	BQL	421	ug/kg	U	1

Summary of Analytical Results

Client ID AB1015
GPL ID: 9126-013-03-1/1
Matrix: Soil
Date Collected: Sep-19-2000
Date Received: Sep-21-2000

Prep Method: SW3550
Prep Date: Sep-26-2000
Prep Time: 00:00
Prep Chemist: Rekha Patel

Analytical Method: SW8270CTCL
Date Analyzed: Oct-08-2000
Time Analyzed 04:16
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	385	ug/kg	U	1
1,2-Dichlorobenzene	BQL	385	ug/kg	U	1
1,3-Dichlorobenzene	BQL	385	ug/kg	U	1
1,4-Dichlorobenzene	BQL	385	ug/kg	U	1
2,2-Oxybis(1-Chloro)Propane	BQL	385	ug/kg	U	1
2,4,5-Trichlorophenol	BQL	385	ug/kg	U	1
2,4,6-Trichlorophenol	BQL	385	ug/kg	U	1
2,4-Dichlorophenol	BQL	385	ug/kg	U	1
2,4-Dimethylphenol	BQL	385	ug/kg	U	1
2,4-Dinitrophenol	BQL	771	ug/kg	U	1
2,4-Dinitrotoluene	134	385	ug/kg	J	1
2,6-Dinitrotoluene	BQL	385	ug/kg	U	1
2-Chloronaphthalene	BQL	385	ug/kg	U	1
2-Chlorophenol	BQL	385	ug/kg	U	1
2-Methylnaphthalene	BQL	385	ug/kg	U	1
2-Nitroaniline	BQL	385	ug/kg	U	1
2-Nitrophenol	BQL	385	ug/kg	U	1
2-methylphenol	BQL	385	ug/kg	U	1
3,3-Dichlorobenzidine	BQL	771	ug/kg	U	1
3-Nitroaniline	BQL	385	ug/kg	U	1
4,6-dinitro-2-methyl phenol	BQL	771	ug/kg	U	1
4-Bromophenyl-phenylether	BQL	385	ug/kg	U	1
4-Chloroaniline	BQL	385	ug/kg	U	1
4-Chlorophenyl Phenyl Ether	BQL	385	ug/kg	U	1
4-Nitroaniline	BQL	385	ug/kg	U	1
4-Nitrophenol	BQL	771	ug/kg	U	1
4-chloro-3-methylphenol	BQL	385	ug/kg	U	1
4-methylphenol	BQL	385	ug/kg	U	1
Acenaphthene	BQL	385	ug/kg	U	1
Acenaphthylene	BQL	385	ug/kg	U	1
Anthracene	BQL	385	ug/kg	U	1
Benzo(a)anthracene	BQL	385	ug/kg	U	1
Benzo(a)pyrene	32.4	385	ug/kg	J	1
Benzo(b)fluoranthene	BQL	385	ug/kg	U	1
Benzo(g,h,i)perylene	BQL	385	ug/kg	U	1
Benzo(k)fluoranthene	BQL	385	ug/kg	U	1
Benzyl Butyl Phthalate	BQL	385	ug/kg	U	1
Carbazole	BQL	385	ug/kg	U	1
Chrysene	BQL	385	ug/kg	U	1

Summary of Analytical Results

Client ID AB1015
GPL ID: 9126-013-03-1/1
Matrix: Soil
Date Collected: Sep-19-2000
Date Received: Sep-21-2000

Prep Method: SW3550
Prep Date: Sep-26-2000
Prep Time: 00:00
Prep Chemist: Rekha Patel

Analytical Method: SW8270CTCL
Date Analyzed: Oct-08-2000
Time Analyzed 04:16
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	385	ug/kg	U	1
Dibenzofuran	BQL	385	ug/kg	U	1
Diethyl Phthalate	BQL	385	ug/kg	U	1
Dimethyl Phthalate	BQL	385	ug/kg	U	1
Fluoranthene	BQL	385	ug/kg	U	1
Fluorene	BQL	385	ug/kg	U	1
Hexachlorobenzene	BQL	385	ug/kg	U	1
Hexachlorobutadiene	BQL	385	ug/kg	U	1
Hexachlorocyclopentadiene	BQL	385	ug/kg	U	1
Hexachloroethane	BQL	385	ug/kg	U	1
Indeno(1,2,3-c,d)Pyrene	BQL	385	ug/kg	U	1
Isophorone	BQL	385	ug/kg	U	1
Naphthalene	BQL	385	ug/kg	U	1
Nitrobenzene	BQL	385	ug/kg	U	1
Pentachlorophenol	BQL	771	ug/kg	U	1
Phenanthrene	BQL	385	ug/kg	U	1
Phenol	BQL	385	ug/kg	U	1
Pyrene	BQL	385	ug/kg	U	1
bis(2-chloroethoxy) methane	BQL	385	ug/kg	U	1
bis(2-chloroethyl) ether	BQL	385	ug/kg	U	1
bis(2-ethylhexyl) phthalate	BQL	385	ug/kg	U	1
di-n-Butyl Phthalate	BQL	385	ug/kg	U	1
di-n-Octyl Phthalate	BQL	385	ug/kg	U	1
n-Nitrosodi-n-Propylamine	BQL	385	ug/kg	U	1
n-Nitrosodiphenylamine	BQL	385	ug/kg	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB1018
GPL ID: 9126-014-03-1/1
Matrix: Soil
Date Collected: Sep-19-2000
Date Received: Sep-21-2000

Prep Method: SW3550
Prep Date: Sep-26-2000
Prep Time: 00:00
Prep Chemist: Rekha Patel

Analytical Method: SW8270CTCL
Date Analyzed: Oct-08-2000
Time Analyzed 04:53
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	427	ug/kg	U	1
1,2-Dichlorobenzene	BQL	427	ug/kg	U	1
1,3-Dichlorobenzene	BQL	427	ug/kg	U	1
1,4-Dichlorobenzene	BQL	427	ug/kg	U	1
2,2-Oxybis(1-Chloro)Propane	BQL	427	ug/kg	U	1
2,4,5-Trichlorophenol	BQL	427	ug/kg	U	1
2,4,6-Trichlorophenol	BQL	427	ug/kg	U	1
2,4-Dichlorophenol	BQL	427	ug/kg	U	1
2,4-Dimethylphenol	BQL	427	ug/kg	U	1
2,4-Dinitrophenol	BQL	855	ug/kg	U	1
2,4-Dinitrotoluene	75.7	427	ug/kg	J	1
2,6-Dinitrotoluene	BQL	427	ug/kg	U	1
2-Chloronaphthalene	BQL	427	ug/kg	U	1
2-Chlorophenol	BQL	427	ug/kg	U	1
2-Methylnaphthalene	BQL	427	ug/kg	U	1
2-Nitroaniline	BQL	427	ug/kg	U	1
2-Nitrophenol	BQL	427	ug/kg	U	1
2-methylphenol	BQL	427	ug/kg	U	1
3,3-Dichlorobenzidine	BQL	855	ug/kg	U	1
3-Nitroaniline	BQL	427	ug/kg	U	1
4,6-dinitro-2-methyl phenol	BQL	855	ug/kg	U	1
4-Bromophenyl-phenylether	BQL	427	ug/kg	U	1
4-Chloroaniline	BQL	427	ug/kg	U	1
4-Chlorophenyl Phenyl Ether	BQL	427	ug/kg	U	1
4-Nitroaniline	BQL	427	ug/kg	U	1
4-Nitrophenol	BQL	855	ug/kg	U	1
4-chloro-3-methylphenol	BQL	427	ug/kg	U	1
4-methylphenol	BQL	427	ug/kg	U	1
Acenaphthene	BQL	427	ug/kg	U	1
Acenaphthylene	BQL	427	ug/kg	U	1
Anthracene	BQL	427	ug/kg	U	1
Benzo(a)anthracene	BQL	427	ug/kg	U	1
Benzo(a)pyrene	BQL	427	ug/kg	U	1
Benzo(b)fluoranthene	BQL	427	ug/kg	U	1
Benzo(g,h,i)perylene	BQL	427	ug/kg	U	1
Benzo(k)fluoranthene	BQL	427	ug/kg	U	1
Benzyl Butyl Phthalate	BQL	427	ug/kg	U	1
Carbazole	BQL	427	ug/kg	U	1
Chrysene	BQL	427	ug/kg	U	1

Summary of Analytical Results

Client ID AB1018
GPL ID: 9126-014-03-1/1
Matrix: Soil
Date Collected: Sep-19-2000
Date Received: Sep-21-2000

Prep Method: SW3550
Prep Date: Sep-26-2000
Prep Time: 00:00
Prep Chemist: Rekha Patel

Analytical Method: SW8270CTCL
Date Analyzed: Oct-08-2000
Time Analyzed 04:53
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	427	ug/kg	U	1
Dibenzofuran	BQL	427	ug/kg	U	1
Diethyl Phthalate	BQL	427	ug/kg	U	1
Dimethyl Phthalate	BQL	427	ug/kg	U	1
Fluoranthene	BQL	427	ug/kg	U	1
Fluorene	BQL	427	ug/kg	U	1
Hexachlorobenzene	BQL	427	ug/kg	U	1
Hexachlorobutadiene	BQL	427	ug/kg	U	1
Hexachlorocyclopentadiene	BQL	427	ug/kg	U	1
Hexachloroethane	BQL	427	ug/kg	U	1
Indeno(1,2,3-c,d)Pyrene	BQL	427	ug/kg	U	1
Isophorone	BQL	427	ug/kg	U	1
Naphthalene	BQL	427	ug/kg	U	1
Nitrobenzene	BQL	427	ug/kg	U	1
Pentachlorophenol	BQL	855	ug/kg	U	1
Phenanthrene	BQL	427	ug/kg	U	1
Phenol	BQL	427	ug/kg	U	1
Pyrene	BQL	427	ug/kg	U	1
bis(2-chloroethoxy) methane	BQL	427	ug/kg	U	1
bis(2-chloroethyl) ether	BQL	427	ug/kg	U	1
bis(2-ethylhexyl) phthalate	BQL	427	ug/kg	U	1
di-n-Butyl Phthalate	BQL	427	ug/kg	U	1
di-n-Octyl Phthalate	BQL	427	ug/kg	U	1
n-Nitrosodi-n-Propylamine	BQL	427	ug/kg	U	1
n-Nitrosodiphenylamine	BQL	427	ug/kg	U	1

2C
WATER SEMIVOLATILE SURROGATE RECOVERY

Lab Name: GPL LABORATORIES Contract: IT_PLUMBROOK

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

	CLIENT SAMPLE NO.	S1 (2FP) #	S2 (PHL) #	S3 (NBZ) #	S4 (FBP) #	S5 (TBP) #	S6 (TPH) #	TOT OUT
01	SBLKA	50	64	64	70	107	91	1
02	LCSA	21	41	70	57	80	98	1
03	AB2005	29	46	53	63	95	96	1
04	AB2010	38	49	51	58	72	72	1
05	AB2011	46	54	53	59	84	64	1
06	AB2018	51	55	55	64	95	83	1
07	AB2007	48	53	55	63	89	84	1
08	AB2008	9*	28	46	59	17*	90	2

				QC LIMITS
S1	(2FP)	=	2-Fluorophenol	(20-150)
S2	(PHL)	=	Phenol-d5	(30-150)
S3	(NBZ)	=	Nitrobenzene-d5	(20-137)
S4	(FBP)	=	2-Fluorobiphenyl	(23-110)
S5	(TBP)	=	2,4,6-Tribromophenol	(20-150)
S6	(TPH)	=	Terphenyl-d14	(20-138)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogate diluted out

2003

2D
SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBROOK

Lab Code: GPL Case No.: N/A SAS No.: N/A SDG No.: N/A

Level: (low/med) LOW

	Client SAMPLE NO.	S1 (2FP) #	S2 (PHL) #	S3 (NBZ) #	S4 (FBP) #	S5 (TBP) #	S6 (TPH) #	TOT OUT
01	SBLKB	79	84	93	92	100	73	0
02	LCSB	87	94	95	83	135	72	0
03	AA1001	54	66	58	63	129	61	0
04	AA1008	69	74	74	63	129	59	0
05	AB1005	80	86	86	74	150*	60	0 1
06	AB1007	71	75	78	66	147	58	0
07	AB1008	80	84	89	74	149	62	0
08	AB1010	64	69	74	59	127	53	0
09	AB1011	69	76	75	61	129	56	0
10	AB1011MS	66	78	74	62	115	54	0
11	AB1011MSD	70	80	78	73	121	60	0
12	AB1012	65	72	71	58	105	56	0
13	AB1013	66	70	73	59	120	61	0
14	AB1015	66	75	70	61	113	56	0
15	AB1018	66	72	73	57	107	59	0
16	AB1014	62	66	67	70	76	70	0
17	AB1009	71	77	78	81	86	65	0

MJ 10-10-00

				QC LIMITS
S1	(2FP)	=	2-Fluorophenol	(52-150)
S2	(PHL)	=	Phenol-d5	(20-150)
S3	(NBZ)	=	Nitrobenzene-d5	(26-150)
S4	(FBP)	=	2-Fluorobiphenyl	(41-128)
S5	(TBP)	=	2,4,6 Tribromophenol	(20-150)
S6	(TPH)	=	Terphenyl-d14	(52-110)

2004

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogate diluted out

2C
WATER SEMIVOLATILE SURROGATE RECOVERY

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBROOK

Lab Code: GPL Case No.: N/A SAS No.: N/A SDG No.: N/A

	Client SAMPLE NO.	S1 (2FP) #	S2 (PHL) #	S3 (NBZ) #	S4 (FBP) #	S5 (TBP) #	S6 (TPH) #	TOT OUT
01	SBLKC	43*	59	68	67	105	76	0
02	LCSC	53	69	76	80	117	92	0
03	AB2008RE	45*	58	66	66	93	78	0

MM 10.12.00

				QC LIMITS
S1	(2FP)	=	2-Fluorophenol	(20-150)
S2	(PHL)	=	Phenol-d5	(30-150)
S3	(NBZ)	=	Nitrobenzene-d5	(20-137)
S4	(FBP)	=	2-Fluorobiphenyl	(23-110)
S5	(TBP)	=	2,4,6-Tribromophenol	(20-150)
S6	(TPH)	=	Terphenyl-d14	(20-138)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogate diluted out

2005

3C

WATER SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: GPL LABORATORIES Contract: IT_PLUMBROOK

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Matrix Spike - EPA Sample No.: AA2006

COMPOUND	SPIKE ADDED * (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
Phenol	100	0.0	64	64	20 - 150
2-Chlorophenol	100	0.0	59	59	23 - 134
1,4-Dichlorobenzene	100	0.0	31	31	20 - 125
N-Nitroso-di-n-propylamine	100	0.0	51	51	20 - 150
1,2,4-Trichlorobenzene	100	0.0	39	39	23 - 114
4-Chloro-3-methylphenol	100	0.0	72	72	26 - 147
Acenaphthene	100	0.0	43	43	20 - 116
2,4-Dinitrotoluene	100	0.0	65	65	24 - 149
4-Nitrophenol	100	0.0	75	75	20 - 150
Pentachlorophenol	100	0.0	58	58	20 - 150
Pyrene	100	0.0	41	41	20 - 135

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Phenol	100	68	68	6	42	20 - 150
2-Chlorophenol	100	63	63	7	40	23 - 134
1,4-Dichlorobenzene	100	41	41	28	28	20 - 125
N-Nitroso-di-n-propylamine	100	55	55	8	38	20 - 150
1,2,4-Trichlorobenzene	100	47	47	19	28	23 - 114
4-Chloro-3-methylphenol	100	76	76	5	42	26 - 147
Acenaphthene	100	50	50	15	31	20 - 116
2,4-Dinitrotoluene	100	70	70	7	38	24 - 149
4-Nitrophenol	100	72	72	4	50	20 - 150
Pentachlorophenol	100	65	65	11	50	20 - 150
Pyrene	100	57	57	33 *	31	20 - 135

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 1 out of 11 outside limits

Spike Recovery: 0 out of 22 outside limits

2006

COMMENTS: _____

3D

SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBROOK

Lab Code: GPL Case No.: N/A SAS No.: N/A SDG No.: N/A

Matrix Spike - EPA Sample No.: AB1011 Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC LIMITS REC.
Phenol	4500	0.0	4200	93	75 - 150
2-Chlorophenol	4500	0.0	3200	71	31 - 129
1,4-Dichlorobenzene	4500	0.0	2900	64	25 - 122
N-Nitroso-di-n-propylamine	4500	0.0	3800	84	20 - 150
1,2,4-Trichlorobenzene	4500	0.0	2800	62	51 - 120
4-Chloro-3-methylphenol	4500	0.0	4900	109	34 - 125
Acenaphthene	4500	0.0	3400	76	46 - 135
2,4-Dinitrotoluene	4500	0.0	5100	113	38 - 137
4-Nitrophenol	4500	0.0	5200	116	20 - 150
Pentachlorophenol	4500	0.0	3300	73	32 - 137
Pyrene	4500	0.0	2100	47	24 - 144

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Phenol	4500	4200	93	0	35	75 - 150
2-Chlorophenol	4500	3300	73	3	50	31 - 129
1,4-Dichlorobenzene	4500	2900	64	0	27	25 - 122
N-Nitroso-di-n-propylamine	4500	3700	82	2	38	20 - 150
1,2,4-Trichlorobenzene	4500	2900	64	3	23	51 - 120
4-Chloro-3-methylphenol	4500	4300	96	13	33	34 - 125
Acenaphthene	4500	3600	80	5	19	46 - 135
2,4-Dinitrotoluene	4500	5000	111	2	47	38 - 137
4-Nitrophenol	4500	5100	113	3	50	20 - 150
Pentachlorophenol	4500	3600	80	9	47	32 - 137
Pyrene	4500	2300	51	8	36	24 - 144

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

2007

RPD: 0 out of 11 outside limits

Spike Recovery: 0 out of 22 outside limits

COMMENTS:

3E

WATER LABORATORY CONTROL SPIKE RECOVERY REPORT

Lab Name: GPL LABORATORIES

Contract: IT_PLUMBROOK

Lab Code: GPLL

SDG No.: N/A

EPA Sample No.: LCSA

GPL ID: SBLK-6937MS

Date Extracted: 9/25/2000

Work Order No: 9126

MATRIX: WATER

COMPOUND	SPIKE ADDED (ug/L)	BLANK CONC. (ug/L)	LCS CONC. (ug/L)	LCS % REC	QC LIMITS LOW	QC LIMITS HIGH
Phenol	100	0	44	44	30	100
2-Chlorophenol	100	0	43	43 *	67	105
1,4-Dichlorobenzene	100	0	53	53	43	101
N-Nitroso-di-n-propylamine	100	0	67	67	43	150
1,2,4-Trichlorobenzene	100	0	70	70	51	100
4-Chloro-3-methylphenol	100	0	60	60 *	61	125
Acenaphthene	100	0	70	70	35	125
2,4-Dinitrotoluene	100	0	82	82	66	123
4-Nitrophenol	100	0	0	0 *	20	150
Pentachlorophenol	100	0	19	19 *	43	150
Pyrene	100	0	79	79	56	116

Spike recovery: 4 of 11 out of QC limits.

* Values outside of QC limits

COMMENTS:

2008

8270C

3F

SOIL LABORATORY CONTROL SPIKE RECOVERY

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBROOK

Lab Code: GPL SDG No.: N/A

EPA Sample No.: LCSB CLIENT ID: SBLK-6970MS

DATE EXTRACTED: 9/26/00 WORK ORDER NO: 00-09-126

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	INTERNAL QC LIMITS
Phenol	3300	3600	109	47-111
2-Chlorophenol	3300	2900	88	52-124
1,4-Dichlorobenzene	3300	2800	85	52-112
N-Nitroso-Di-n-Propylamine	3300	3400	103	70-150
1,2,4-Trichlorobenzene	3300	2600	79	63-112
4-Chloro-3-methylphenol	3300	3600	109	63-125
Acenaphthene	3300	2900	88	45-104
2,4-Dinitrotoluene	3300	4500	136 *	56-133
4-Nitrophenol	3300	3600	109	44-150
Pentachlorophenol	3300	2800	85	27-142
Pyrene	3300	2000	61	56-106

*Values outside internal limits

COMMENTS:

2009

3F
WATER LABORATORY CONTROL SPIKE RECOVERY

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBROOK

Lab Code: GPL Case No.: N/A SDG No.: N/A

EPA Sample No.: LCSC CLIENT ID: SBLK-7292MS

DATE EXTRACTED: 10/10/00 WORK ORDER NO: 00-09-126

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	INTERNAL QC LIMITS
Phenol	100	85	85	30-100
2-Chlorophenol	100	77	77	67-105
1,4-Dichlorobenzene	100	65	65	43-101
N-Nitroso-Di-n-Propylamine	100	89	89	43-150
1,2,4-Trichlorobenzene	100	68	68	51-100
4-Chloro-3-methylphenol	100	93	93	61-125
Acenaphthene	100	89	89	35-125
2,4-Dinitrotoluene	100	82	82	66-123
4-Nitrophenol	100	100	100	20-150
Pentachlorophenol	100	100	100	43-150
Pyrene	100	92	92	56-116

COMMENTS:

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLKA

Lab Name: GPL LABORATORIES Contract: IT_PLUMBRO

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Lab File ID: T02506.D Lab Sample ID: SBLK-6937

Instrument ID: HP#T Date Extracted: 09/25/00

Matrix: (soil/water) WATER Date Analyzed: 10/06/00

Level: (low/med) LOW Time Analyzed: 18:49

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	Client Sample NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	LCSA	SBLK-6937MS	T02507.D	10/06/00
02	AB2005	9126-015-07-1/2	T02508.D	10/06/00
03	AB2010	9126-018-07-1/2	T02511.D	10/06/00
04	AB2011	9126-019-07-1/2	T02512.D	10/07/00
05	AB2018	9126-020-07-1/2	T02513.D	10/07/00
06	AB2007	9126-016-07-1/2	T02532.D	10/07/00
07	AB2008	9126-017-07-1/2	T02533.D	10/07/00

COMMENTS:

2011

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLKB

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBRO

Lab Code: GPL Case No.: N/A SAS No.: N/A SDG No.: N/A

Lab File ID: P09062.D Lab Sample ID: SBLK-6970

Instrument ID: HP#P Date Extracted: 09/26/00

Matrix: (soil/water) SOIL Date Analyzed: 10/07/00

Level: (low/med) LOW Time Analyzed: 18:50

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	Client SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	LCSB	SBLK-6970MS	P09063.D	10/07/00
02	AA1001	9126-002-03-1/1	P09065.D	10/07/00
03	AA1008	9126-003-03-1/1	P09066.D	10/07/00
04	AB1005	9126-004-03-1/1	P09067.D	10/07/00
05	AB1007	9126-005-03-1/1	P09068.D	10/07/00
06	AB1008	9126-006-03-1/1	P09069.D	10/07/00
07	AB1010	9126-008-03-1/1	P09070.D	10/07/00
08	AB1011	9126-009-03-1/1	P09071.D	10/08/00
09	AB1011MS	9126-009-03-1/1S	P09072.D	10/08/00
10	AB1011MSD	9126-009-03-1/1SD	P09073.D	10/08/00
11	AB1012	9126-010-03-1/1	P09074.D	10/08/00
12	AB1013	9126-011-03-1/1	P09075.D	10/08/00
13	AB1015	9126-013-03-1/1	P09077.D	10/08/00
14	AB1018	9126-014-03-1/1	P09078.D	10/08/00
15	AB1014	9126-012-03-1/1	P09090.D	10/08/00
16	AB1009	9126-007-03-1/1	P09092.D	10/08/00

COMMENTS:

2012

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLKC

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBRO

Lab Code: GPL Case No.: N/A SAS No.: N/A SDG No.: N/A

Lab File ID: P09188.D Lab Sample ID: SBLK-7292

Instrument ID: HP#P Date Extracted: 10/10/00

Matrix: (soil/water) WATER Date Analyzed: 10/12/00

Level: (low/med) LOW Time Analyzed: 12:51

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	Client SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	LCSC	SBLK-7292MS	P09189.D	10/12/00
02	AB2008RE	9126-017-07-1/2RE	P09190.D	10/12/00

COMMENTS:

2013

Summary of Analytical Results

Client ID AA1001
GPL ID: 9126-002-03-1/1
Matrix: Soil
Date Collected: Sep-19-2000
Date Received: Sep-21-2000

Prep Method: EXT_SW8330
Prep Date: Sep-25-2000
Prep Time: 08:24
Prep Chemist: Shila Soleimani

Analytical Method: SW8330
Date Analyzed: Oct-06-2000
Time Analyzed 07:02
Analyst: Dayuan Han

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	BQL	95.2	ug/kg	U	1
1,3-Dinitrobenzene	BQL	95.2	ug/kg	U	1
2,4,6-Trinitrotoluene	BQL	95.2	ug/kg	U	1
2,4-Dinitrotoluene	237	95.2	ug/kg		1
2,6-Dinitrotoluene	BQL	95.2	ug/kg	U	1
2-Amino-4,6-Dinitrotoluene	BQL	95.2	ug/kg	U	1
4-Amino-2,6-Dinitrotoluene	BQL	95.2	ug/kg	U	1
HMX	BQL	190	ug/kg	U	1
Nitrobenzene	BQL	95.2	ug/kg	U	1
RDX	BQL	190	ug/kg	U	1
Tetryl	BQL	190	ug/kg	U	1
m-Nitrotoluene	BQL	190	ug/kg	U	1
o-Nitrotoluene	BQL	190	ug/kg	U	1
p-Nitrotoluene	BQL	190	ug/kg	U	1

Summary of Analytical Results

Client ID AA1008
GPL ID: 9126-003-03-1/1
Matrix: Soil
Date Collected: Sep-19-2000
Date Received: Sep-21-2000

Prep Method: EXT_SW8330
Prep Date: Sep-25-2000
Prep Time: 08:24
Prep Chemist: Shila Soleimani

Analytical Method: SW8330
Date Analyzed: Oct-06-2000
Time Analyzed 08:27
Analyst: Dayuan Han

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	BQL	100	ug/kg	U	1
1,3-Dinitrobenzene	BQL	100	ug/kg	U	1
2,4,6-Trinitrotoluene	132	100	ug/kg		1
2,4-Dinitrotoluene	133	100	ug/kg		1
2,6-Dinitrotoluene	BQL	100	ug/kg	U	1
2-Amino-4,6-Dinitrotoluene	63.0	100	ug/kg	J	1
4-Amino-2,6-Dinitrotoluene	85.9	100	ug/kg	J	1
HMX	BQL	200	ug/kg	U	1
Nitrobenzene	BQL	100	ug/kg	U	1
RDX	BQL	200	ug/kg	U	1
Tetryl	BQL	200	ug/kg	U	1
m-Nitrotoluene	BQL	200	ug/kg	U	1
o-Nitrotoluene	BQL	200	ug/kg	U	1
p-Nitrotoluene	BQL	200	ug/kg	U	1

Summary of Analytical Results

Client ID AB1005
GPL ID: 9126-004-03-1/1
Matrix: Soil
Date Collected: Sep-19-2000
Date Received: Sep-21-2000

Prep Method: EXT_SW8330
Prep Date: Sep-25-2000
Prep Time: 08:24
Prep Chemist: Shila Soleimani

Analytical Method: SW8330
Date Analyzed: Oct-06-2000
Time Analyzed 08:56
Analyst: Dayuan Han

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	BQL	100	ug/kg	U	1
1,3-Dinitrobenzene	BQL	100	ug/kg	U	1
2,4,6-Trinitrotoluene	176	100	ug/kg		1
2,4-Dinitrotoluene	204	100	ug/kg		1
2,6-Dinitrotoluene	BQL	100	ug/kg	U	1
2-Amino-4,6-Dinitrotoluene	214	100	ug/kg		1
4-Amino-2,6-Dinitrotoluene	126	100	ug/kg		1
HMX	BQL	200	ug/kg	U	1
Nitrobenzene	BQL	100	ug/kg	U	1
RDX	BQL	200	ug/kg	U	1
Tetryl	BQL	200	ug/kg	U	1
m-Nitrotoluene	BQL	200	ug/kg	U	1
o-Nitrotoluene	BQL	200	ug/kg	U	1
p-Nitrotoluene	BQL	200	ug/kg	U	1

Summary of Analytical Results

Client ID AB1007
GPL ID: 9126-005-03-1/1
Matrix: Soil
Date Collected: Sep-19-2000
Date Received: Sep-21-2000

Prep Method: EXT_SW8330
Prep Date: Sep-25-2000
Prep Time: 08:24
Prep Chemist: Shila Soleimani

Analytical Method: SW8330
Date Analyzed: Oct-06-2000
Time Analyzed 09:24
Analyst: Dayuan Han

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	BQL	95.2	ug/kg	U	1
1,3-Dinitrobenzene	BQL	95.2	ug/kg	U	1
2,4,6-Trinitrotoluene	BQL	95.2	ug/kg	U	1
2,4-Dinitrotoluene	BQL	95.2	ug/kg	U	1
2,6-Dinitrotoluene	BQL	95.2	ug/kg	U	1
2-Amino-4,6-Dinitrotoluene	BQL	95.2	ug/kg	U	1
4-Amino-2,6-Dinitrotoluene	BQL	95.2	ug/kg	U	1
HMX	BQL	190	ug/kg	U	1
Nitrobenzene	BQL	95.2	ug/kg	U	1
RDX	BQL	190	ug/kg	U	1
Tetryl	BQL	190	ug/kg	U	1
m-Nitrotoluene	BQL	190	ug/kg	U	1
o-Nitrotoluene	BQL	190	ug/kg	U	1
p-Nitrotoluene	BQL	190	ug/kg	U	1

Summary of Analytical Results

Client ID AB1008
GPL ID: 9126-006-03-1/1
Matrix: Soil
Date Collected: Sep-19-2000
Date Received: Sep-21-2000

Prep Method: EXT_SW8330
Prep Date: Sep-25-2000
Prep Time: 08:24
Prep Chemist: Shila Soleimani

Analytical Method: SW8330
Date Analyzed: Oct-06-2000
Time Analyzed 09:53
Analyst: Dayuan Han

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	BQL	100	ug/kg	U	1
1,3-Dinitrobenzene	BQL	100	ug/kg	U	1
2,4,6-Trinitrotoluene	706	100	ug/kg		1
2,4-Dinitrotoluene	246	100	ug/kg		1
2,6-Dinitrotoluene	BQL	100	ug/kg	U	1
2-Amino-4,6-Dinitrotoluene	299	100	ug/kg		1
4-Amino-2,6-Dinitrotoluene	385	100	ug/kg		1
HMX	BQL	200	ug/kg	U	1
Nitrobenzene	BQL	100	ug/kg	U	1
RDX	BQL	200	ug/kg	U	1
Tetryl	BQL	200	ug/kg	U	1
m-Nitrotoluene	BQL	200	ug/kg	U	1
o-Nitrotoluene	BQL	200	ug/kg	U	1
p-Nitrotoluene	BQL	200	ug/kg	U	1

Summary of Analytical Results

Client ID AB1009
GPL ID: 9126-007-03-1/1
Matrix: Soil
Date Collected: Sep-19-2000
Date Received: Sep-21-2000

Prep Method: EXT_SW8330
Prep Date: Sep-25-2000
Prep Time: 08:24
Prep Chemist: Shila Soleimani

Analytical Method: SW8330
Date Analyzed: Oct-06-2000
Time Analyzed 12:15
Analyst: Dayuan Han

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	832	100	ug/kg		1
1,3-Dinitrobenzene	BQL	100	ug/kg	U	1
2,4-Dinitrotoluene	BQL	100	ug/kg	U	1
2,6-Dinitrotoluene	BQL	100	ug/kg	U	1
2-Amino-4,6-Dinitrotoluene	12800	100	ug/kg		1
4-Amino-2,6-Dinitrotoluene	11200	100	ug/kg		1
HMX	BQL	200	ug/kg	U	1
Nitrobenzene	BQL	100	ug/kg	U	1
RDX	BQL	200	ug/kg	U	1
Tetryl	BQL	200	ug/kg	U	1
m-Nitrotoluene	BQL	200	ug/kg	U	1
o-Nitrotoluene	BQL	200	ug/kg	U	1
p-Nitrotoluene	BQL	200	ug/kg	U	1

Summary of Analytical Results

Client ID AB1009
GPL ID: 9126-007-03-1/1
Matrix: Soil
Date Collected: Sep-19-2000
Date Received: Sep-21-2000

Prep Method: EXT_SW8330
Prep Date: Sep-25-2000
Prep Time: 08:24
Prep Chemist: Shila Soleimani

Analytical Method: SW8330
Date Analyzed: Oct-12-2000
Time Analyzed 16:20
Analyst: Dayuan Han

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
2,4,6-Trinitrotoluene	1496000	100	ug/kg		100

Summary of Analytical Results

Client ID AB1010
GPL ID: 9126-008-03-1/1
Matrix: Soil
Date Collected: Sep-19-2000
Date Received: Sep-21-2000

Prep Method: EXT_SW8330
Prep Date: Sep-25-2000
Prep Time: 08:24
Prep Chemist: Shila Soleimani

Analytical Method: SW8330
Date Analyzed: Oct-10-2000
Time Analyzed 21:34
Analyst: Dayuan Han

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	BQL	95.2	ug/kg	U	1
1,3-Dinitrobenzene	BQL	95.2	ug/kg	U	1
2,4,6-Trinitrotoluene	198	95.2	ug/kg		1
2,4-Dinitrotoluene	BQL	95.2	ug/kg	U	1
2,6-Dinitrotoluene	BQL	95.2	ug/kg	U	1
2-Amino-4,6-Dinitrotoluene	BQL	95.2	ug/kg	U	1
4-Amino-2,6-Dinitrotoluene	BQL	95.2	ug/kg	U	1
HMX	BQL	190	ug/kg	U	1
Nitrobenzene	51.0	95.2	ug/kg	J	1
RDX	BQL	190	ug/kg	U	1
Tetryl	BQL	190	ug/kg	U	1
m-Nitrotoluene	BQL	190	ug/kg	U	1
o-Nitrotoluene	BQL	190	ug/kg	U	1
p-Nitrotoluene	BQL	190	ug/kg	U	1

Summary of Analytical Results

Client ID AB1011
GPL ID: 9126-009-03-1/1
Matrix: Soil
Date Collected: Sep-19-2000
Date Received: Sep-21-2000

Prep Method: EXT_SW8330
Prep Date: Sep-25-2000
Prep Time: 08:24
Prep Chemist: Shila Soleimani

Analytical Method: SW8330
Date Analyzed: Oct-10-2000
Time Analyzed 22:03
Analyst: Dayuan Han

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	BQL	90.9	ug/kg	U	1
1,3-Dinitrobenzene	BQL	90.9	ug/kg	U	1
2,4,6-Trinitrotoluene	BQL	90.9	ug/kg	U	1
2,4-Dinitrotoluene	BQL	90.9	ug/kg	U	1
2,6-Dinitrotoluene	BQL	90.9	ug/kg	U	1
2-Amino-4,6-Dinitrotoluene	BQL	90.9	ug/kg	U	1
4-Amino-2,6-Dinitrotoluene	BQL	90.9	ug/kg	U	1
HMX	BQL	182	ug/kg	U	1
Nitrobenzene	BQL	90.9	ug/kg	U	1
RDX	BQL	182	ug/kg	U	1
Tetryl	BQL	182	ug/kg	U	1
m-Nitrotoluene	BQL	182	ug/kg	U	1
o-Nitrotoluene	BQL	182	ug/kg	U	1
p-Nitrotoluene	BQL	182	ug/kg	U	1

Summary of Analytical Results

Client ID AB1012
GPL ID: 9126-010-03-1/1
Matrix: Soil
Date Collected: Sep-19-2000
Date Received: Sep-21-2000

Prep Method: EXT_SW8330
Prep Date: Sep-25-2000
Prep Time: 08:24
Prep Chemist: Shila Soleimani

Analytical Method: SW8330
Date Analyzed: Oct-10-2000
Time Analyzed 22:31
Analyst: Dayuan Han

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	BQL	100	ug/kg	U	1
1,3-Dinitrobenzene	BQL	100	ug/kg	U	1
2,4,6-Trinitrotoluene	91.8	100	ug/kg	J	1
2,4-Dinitrotoluene	104	100	ug/kg		1
2,6-Dinitrotoluene	BQL	100	ug/kg	U	1
2-Amino-4,6-Dinitrotoluene	BQL	100	ug/kg	U	1
4-Amino-2,6-Dinitrotoluene	BQL	100	ug/kg	U	1
HMX	BQL	200	ug/kg	U	1
Nitrobenzene	BQL	100	ug/kg	U	1
RDX	BQL	200	ug/kg	U	1
Tetryl	BQL	200	ug/kg	U	1
m-Nitrotoluene	BQL	200	ug/kg	U	1
o-Nitrotoluene	BQL	200	ug/kg	U	1
p-Nitrotoluene	BQL	200	ug/kg	U	1

Summary of Analytical Results

Client ID AB1013
GPL ID: 9126-011-03-1/1
Matrix: Soil
Date Collected: Sep-19-2000
Date Received: Sep-21-2000

Prep Method: EXT_SW8330
Prep Date: Sep-25-2000
Prep Time: 08:24
Prep Chemist: Shila Soleimani

Analytical Method: SW8330
Date Analyzed: Oct-07-2000
Time Analyzed 07:03
Analyst: Dayuan Han

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	BQL	95.2	ug/kg	U	1
1,3-Dinitrobenzene	BQL	95.2	ug/kg	U	1
2,4,6-Trinitrotoluene	BQL	95.2	ug/kg	U	1
2,4-Dinitrotoluene	102	95.2	ug/kg		1
2,6-Dinitrotoluene	BQL	95.2	ug/kg	U	1
2-Amino-4,6-Dinitrotoluene	BQL	95.2	ug/kg	U	1
4-Amino-2,6-Dinitrotoluene	BQL	95.2	ug/kg	U	1
HMX	BQL	190	ug/kg	U	1
Nitrobenzene	BQL	95.2	ug/kg	U	1
RDX	BQL	190	ug/kg	U	1
Tetryl	BQL	190	ug/kg	U	1
m-Nitrotoluene	BQL	190	ug/kg	U	1
o-Nitrotoluene	BQL	190	ug/kg	U	1
p-Nitrotoluene	BQL	190	ug/kg	U	1

Summary of Analytical Results

Client ID AB1014
GPL ID: 9126-012-03-1/1
Matrix: Soil
Date Collected: Sep-19-2000
Date Received: Sep-21-2000

Prep Method: EXT_SW8330
Prep Date: Sep-25-2000
Prep Time: 08:24
Prep Chemist: Shila Soleimani

Analytical Method: SW8330
Date Analyzed: Oct-07-2000
Time Analyzed 07:31
Analyst: Dayuan Han

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	BQL	100	ug/kg	U	1
1,3-Dinitrobenzene	BQL	100	ug/kg	U	1
2,4,6-Trinitrotoluene	110	100	ug/kg		1
2,4-Dinitrotoluene	112	100	ug/kg		1
2,6-Dinitrotoluene	BQL	100	ug/kg	U	1
2-Amino-4,6-Dinitrotoluene	BQL	100	ug/kg	U	1
4-Amino-2,6-Dinitrotoluene	BQL	100	ug/kg	U	1
HMX	BQL	200	ug/kg	U	1
Nitrobenzene	BQL	100	ug/kg	U	1
RDX	BQL	200	ug/kg	U	1
Tetryl	BQL	200	ug/kg	U	1
m-Nitrotoluene	BQL	200	ug/kg	U	1
o-Nitrotoluene	BQL	200	ug/kg	U	1
p-Nitrotoluene	BQL	200	ug/kg	U	1

Summary of Analytical Results

Client ID AB1015
GPL ID: 9126-013-03-1/1
Matrix: Soil
Date Collected: Sep-19-2000
Date Received: Sep-21-2000

Prep Method: EXT_SW8330
Prep Date: Sep-25-2000
Prep Time: 08:24
Prep Chemist: Shila Soleimani

Analytical Method: SW8330
Date Analyzed: Oct-07-2000
Time Analyzed 08:00
Analyst: Dayuan Han

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	BQL	95.2	ug/kg	U	1
1,3-Dinitrobenzene	BQL	95.2	ug/kg	U	1
2,4,6-Trinitrotoluene	2900	95.2	ug/kg		1
2,4-Dinitrotoluene	414	95.2	ug/kg		1
2,6-Dinitrotoluene	BQL	95.2	ug/kg	U	1
2-Amino-4,6-Dinitrotoluene	3250	95.2	ug/kg		1
4-Amino-2,6-Dinitrotoluene	2790	95.2	ug/kg		1
HMX	BQL	190	ug/kg	U	1
Nitrobenzene	BQL	95.2	ug/kg	U	1
RDX	521	190	ug/kg		1
Tetryl	BQL	190	ug/kg	U	1
m-Nitrotoluene	BQL	190	ug/kg	U	1
o-Nitrotoluene	BQL	190	ug/kg	U	1
p-Nitrotoluene	BQL	190	ug/kg	U	1

Summary of Analytical Results

Client ID AB1018
GPL ID: 9126-014-03-1/1
Matrix: Soil
Date Collected: Sep-19-2000
Date Received: Sep-21-2000

Prep Method: EXT_SW8330
Prep Date: Sep-25-2000
Prep Time: 08:24
Prep Chemist: Shila Soleimani

Analytical Method: SW8330
Date Analyzed: Oct-07-2000
Time Analyzed 08:28
Analyst: Dayuan Han

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	BQL	100	ug/kg	U	1
1,3-Dinitrobenzene	BQL	100	ug/kg	U	1
2,4,6-Trinitrotoluene	357	100	ug/kg		1
2,4-Dinitrotoluene	102	100	ug/kg		1
2,6-Dinitrotoluene	BQL	100	ug/kg	U	1
2-Amino-4,6-Dinitrotoluene	378	100	ug/kg		1
4-Amino-2,6-Dinitrotoluene	243	100	ug/kg		1
HMX	BQL	200	ug/kg	U	1
Nitrobenzene	BQL	100	ug/kg	U	1
RDX	BQL	200	ug/kg	U	1
Tetryl	BQL	200	ug/kg	U	1
m-Nitrotoluene	BQL	200	ug/kg	U	1
o-Nitrotoluene	BQL	200	ug/kg	U	1
p-Nitrotoluene	BQL	200	ug/kg	U	1

Summary of Analytical Results

Client ID AB2005
GPL ID: 9126-015-04-1/2
Matrix: Water
Date Collected: Sep-19-2000
Date Received: Sep-21-2000

Prep Method: EXT_SW8330
Prep Date: Sep-25-2000
Prep Time: 16:39
Prep Chemist: Reynaldo Caraan

Analytical Method: SW8330
Date Analyzed: Oct-05-2000
Time Analyzed 10:49
Analyst: Dayuan Han

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	BQL	0.26	ug/L	U	1
1,3-Dinitrobenzene	BQL	0.26	ug/L	U	1
2,4,6-Trinitrotoluene	0.344	0.26	ug/L		1
2,4-Dinitrotoluene	0.969	0.26	ug/L		1
2,6-Dinitrotoluene	BQL	0.26	ug/L	U	1
2-Amino-4,6-Dinitrotoluene	0.984	0.26	ug/L		1
4-Amino-2,6-Dinitrotoluene	0.549	0.26	ug/L		1
HMX	BQL	0.52	ug/L	U	1
Nitrobenzene	BQL	0.26	ug/L	U	1
RDX	BQL	0.52	ug/L	U	1
Tetryl	BQL	0.52	ug/L	U	1
m-Nitrotoluene	BQL	0.52	ug/L	U	1
o-Nitrotoluene	BQL	0.52	ug/L	U	1
p-Nitrotoluene	BQL	0.52	ug/L	U	1

Summary of Analytical Results

Client ID AB2007
GPL ID: 9126-016-04-1/2
Matrix: Water
Date Collected: Sep-19-2000
Date Received: Sep-21-2000

Prep Method: EXT_SW8330
Prep Date: Sep-25-2000
Prep Time: 16:39
Prep Chemist: Reynaldo Caraan

Analytical Method: SW8330
Date Analyzed: Oct-05-2000
Time Analyzed 11:17
Analyst: Dayuan Han

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	BQL	0.26	ug/L	U	1
1,3-Dinitrobenzene	BQL	0.26	ug/L	U	1
2,4,6-Trinitrotoluene	BQL	0.26	ug/L	U	1
2,4-Dinitrotoluene	BQL	0.26	ug/L	U	1
2,6-Dinitrotoluene	BQL	0.26	ug/L	U	1
2-Amino-4,6-Dinitrotoluene	BQL	0.26	ug/L	U	1
4-Amino-2,6-Dinitrotoluene	BQL	0.26	ug/L	U	1
HMX	BQL	0.52	ug/L	U	1
Nitrobenzene	BQL	0.26	ug/L	U	1
RDX	BQL	0.52	ug/L	U	1
Tetryl	BQL	0.52	ug/L	U	1
m-Nitrotoluene	BQL	0.52	ug/L	U	1
o-Nitrotoluene	BQL	0.52	ug/L	U	1
p-Nitrotoluene	BQL	0.52	ug/L	U	1

Summary of Analytical Results

Client ID AB2008
GPL ID: 9126-017-04-1/2
Matrix: Water
Date Collected: Sep-19-2000
Date Received: Sep-21-2000

Prep Method: EXT_SW8330
Prep Date: Sep-25-2000
Prep Time: 16:39
Prep Chemist: Reynaldo Caraan

Analytical Method: SW8330
Date Analyzed: Oct-05-2000
Time Analyzed 11:46
Analyst: Dayuan Han

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	BQL	0.26	ug/L	U	1
1,3-Dinitrobenzene	BQL	0.26	ug/L	U	1
2,4,6-Trinitrotoluene	BQL	0.26	ug/L	U	1
2,4-Dinitrotoluene	BQL	0.26	ug/L	U	1
2,6-Dinitrotoluene	BQL	0.26	ug/L	U	1
2-Amino-4,6-Dinitrotoluene	BQL	0.26	ug/L	U	1
4-Amino-2,6-Dinitrotoluene	BQL	0.26	ug/L	U	1
HMX	BQL	0.52	ug/L	U	1
Nitrobenzene	BQL	0.26	ug/L	U	1
RDX	BQL	0.52	ug/L	U	1
Tetryl	BQL	0.52	ug/L	U	1
m-Nitrotoluene	BQL	0.52	ug/L	U	1
o-Nitrotoluene	BQL	0.52	ug/L	U	1
p-Nitrotoluene	BQL	0.52	ug/L	U	1

Summary of Analytical Results

Client ID AB2010
GPL ID: 9126-018-04-1/2
Matrix: Water
Date Collected: Sep-19-2000
Date Received: Sep-21-2000

Prep Method: EXT_SW8330
Prep Date: Sep-25-2000
Prep Time: 16:39
Prep Chemist: Reynaldo Caraan

Analytical Method: SW8330
Date Analyzed: Oct-05-2000
Time Analyzed 12:14
Analyst: Dayuan Han

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	BQL	0.26	ug/L	U	1
1,3-Dinitrobenzene	BQL	0.26	ug/L	U	1
2,4,6-Trinitrotoluene	BQL	0.26	ug/L	U	1
2,4-Dinitrotoluene	BQL	0.26	ug/L	U	1
2,6-Dinitrotoluene	BQL	0.26	ug/L	U	1
2-Amino-4,6-Dinitrotoluene	BQL	0.26	ug/L	U	1
4-Amino-2,6-Dinitrotoluene	0.332	0.26	ug/L		1
HMX	BQL	0.52	ug/L	U	1
Nitrobenzene	BQL	0.26	ug/L	U	1
RDX	BQL	0.52	ug/L	U	1
Tetryl	BQL	0.52	ug/L	U	1
m-Nitrotoluene	BQL	0.52	ug/L	U	1
o-Nitrotoluene	BQL	0.52	ug/L	U	1
p-Nitrotoluene	BQL	0.52	ug/L	U	1

Summary of Analytical Results

Client ID AB2011
GPL ID: 9126-019-04-1/2
Matrix: Water
Date Collected: Sep-19-2000
Date Received: Sep-21-2000

Prep Method: EXT_SW8330
Prep Date: Sep-25-2000
Prep Time: 16:39
Prep Chemist: Reynaldo Caraan

Analytical Method: SW8330
Date Analyzed: Oct-05-2000
Time Analyzed 12:43
Analyst: Dayuan Han

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	BQL	0.26	ug/L	U	1
1,3-Dinitrobenzene	BQL	0.26	ug/L	U	1
2,4,6-Trinitrotoluene	BQL	0.26	ug/L	U	1
2,4-Dinitrotoluene	BQL	0.26	ug/L	U	1
2,6-Dinitrotoluene	BQL	0.26	ug/L	U	1
2-Amino-4,6-Dinitrotoluene	BQL	0.26	ug/L	U	1
4-Amino-2,6-Dinitrotoluene	BQL	0.26	ug/L	U	1
HMX	BQL	0.52	ug/L	U	1
Nitrobenzene	BQL	0.26	ug/L	U	1
RDX	BQL	0.52	ug/L	U	1
Tetryl	BQL	0.52	ug/L	U	1
m-Nitrotoluene	BQL	0.52	ug/L	U	1
o-Nitrotoluene	BQL	0.52	ug/L	U	1
p-Nitrotoluene	BQL	0.52	ug/L	U	1

Summary of Analytical Results

Client ID AB2018
GPL ID: 9126-020-04-1/2
Matrix: Water
Date Collected: Sep-19-2000
Date Received: Sep-21-2000

Prep Method: EXT_SW8330
Prep Date: Sep-25-2000
Prep Time: 16:39
Prep Chemist: Reynaldo Caraan

Analytical Method: SW8330
Date Analyzed: Oct-05-2000
Time Analyzed 13:11
Analyst: Dayuan Han

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	BQL	0.26	ug/L	U	1
1,3-Dinitrobenzene	BQL	0.26	ug/L	U	1
2,4,6-Trinitrotoluene	BQL	0.26	ug/L	U	1
2,4-Dinitrotoluene	BQL	0.26	ug/L	U	1
2,6-Dinitrotoluene	BQL	0.26	ug/L	U	1
2-Amino-4,6-Dinitrotoluene	BQL	0.26	ug/L	U	1
4-Amino-2,6-Dinitrotoluene	BQL	0.26	ug/L	U	1
HMX	BQL	0.52	ug/L	U	1
Nitrobenzene	BQL	0.26	ug/L	U	1
RDX	BQL	0.52	ug/L	U	1
Tetryl	BQL	0.52	ug/L	U	1
m-Nitrotoluene	BQL	0.52	ug/L	U	1
o-Nitrotoluene	BQL	0.52	ug/L	U	1
p-Nitrotoluene	BQL	0.52	ug/L	U	1

2D
SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBROOK

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Level: (low/med) LOW

	Client SAMPLE NO.	S1 #	TOT OUT
01	NBLKA	61	0
02	NLCSA	86	0
03	AA1001	82	0
04	AA1008	76	0
05	ZB1005	84	0
06	AB1007	77	0
07	AB1008	74	0
08	AB1008 MS	74	0
09	AB1008 MSD	88	0
10	AB1009	78	0
11	AB1013	79	0
12	AB1014	80	0
13	AB1015	72	0
14	AB1018	77	0
15	AB1010	78	0
16	AB1011	81	0
17	AB1012	81	0
18	AB1009 DIL	*	1

			QC LIMITS
S1	=	4-NITROANILINE	(24-140)

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate diluted out

4003

2C
WATER EXPLOSIVES SURROGATE RECOVERY

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBROOK

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

	CLIENT SAMPLE NO.	S1 #	TOT OUT
01	NBLKB	93	0
02	NLCSB	91	0
03	AB2005	49	0
04	AB2007	63	0
05	AB2008	61	0
06	AB2010	61	0
07	AB2011	63	0
08	AB2018	*	1

S1 = 4-NITROANILINE QC LIMITS (22-98)

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate diluted out

4004

3D

SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBROOK

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Matrix Spike - EPA Sample No.: AB1008 Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC LIMITS REC.
HMX	2900	0.0	2500	86	70 - 113
1,3,5-TRINITROBENZENE	2900	0.0	1400	48	20 - 150
TETRYL	2900	0.0	1600	55	20 - 103
2,4,6-TRINITROTOLUENE	1400	710	2500	129	46 - 150
4-AMINO-2,6-DINITROTOLU	1400	390	1400	69	39 - 136
4-NITROTOLUENE	2900	0.0	2800	97	72 - 114
RDX	2900	0.0	2400	83	70 - 124
1,3-DINITROBENZENE	1400	0.0	1400	100	70 - 127
NITROBENZENE	1400	0.0	1400	100	70 - 120
2-AMINO-4,6-DINITROTOLU	1400	300	2100	129	43 - 150
2,4-DINITROTOLUENE	2900	250	2000	59	56 - 100
2-NITROTOLUENE	2900	0.0	2700	93	70 - 116
3-NITROTOLUENE	2900	0.0	2600	90	70 - 109

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
HMX	3000	2700	90	5	25	70 - 113
1,3,5-TRINITROBENZENE	3000	1500	50	4	25	20 - 150
TETRYL	3000	2000	67	20	25	20 - 103
2,4,6-TRINITROTOLUENE	1500	2500	120	7	25	46 - 150
4-AMINO-2,6-DINITROTOLU	1500	1700	87	20	25	39 - 136
4-NITROTOLUENE	3000	2900	97	0	25	72 - 114
RDX	3000	2700	90	8	25	70 - 124
1,3-DINITROBENZENE	1500	1500	100	0	25	70 - 127
NITROBENZENE	1500	1400	93	7	25	70 - 120
2-AMINO-4,6-DINITROTOLU	1500	2500	147	13	25	43 - 150
2,4-DINITROTOLUENE	3000	2200	67	8	25	56 - 100
2-NITROTOLUENE	3000	2900	97	4	25	70 - 116

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 13 outside limits

Spike Recovery: 0 out of 26 outside limits

4005

COMMENTS:

3D

SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBROOK

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Matrix Spike - EPA Sample No.: AB1008 Level: (low/med) LOW

3-NITROTOLUENE	3000	2900	97	7	25	70 - 109

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 0 outside limits

Spike Recovery: 0 out of 0 outside limits

COMMENTS:

4006

3C

WATER EXPLOSIVES MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBROOK

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Matrix Spike - EPA Sample No.: AA2006

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
HMX	13	0.0	8.1	62	56 - 116
1,3,5-TRINITROBENZENE	6.7	0.0	4.4	66	26 - 150
TETRYL	13	0.0	6.4	49	20 - 143
2,4,6-TRINITROTOLUENE	6.7	0.0	6.0	90	38 - 157
4-AMINO-2,6-DINITROTOLU	6.7	0.0	4.5	67	60 - 128
RDX	13	0.0	8.8	68	41 - 121
1,3-DINITROBENZENE	6.7	0.0	4.6	69	50 - 115
NITROBENZENE	6.7	0.0	4.7	70	52 - 113
2-AMINO-4,6-DINITROTOLU	6.7	0.0	6.4	96	51 - 120
2,4-DINITROTOLUENE	13	0.0	6.0	46 *	48 - 97
4-NITROTOLUENE	13	0.0	9.2	71	41 - 128
2-NITROTOLUENE	13	0.0	8.9	68	45 - 125
3-NITROTOLUENE	13	0.0	9.1	70	50 - 117

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
HMX	13	7.6	58	7	25	56 - 116
1,3,5-TRINITROBENZENE	6.7	4.1	61	8	25	26 - 150
TETRYL	13	5.5	42	15	25	20 - 143
2,4,6-TRINITROTOLUENE	6.7	5.7	85	6	25	38 - 157
4-AMINO-2,6-DINITROTOLU	6.7	4.5	67	0	25	60 - 128
RDX	13	8.1	62	9	25	41 - 121
1,3-DINITROBENZENE	6.7	4.3	64	8	25	50 - 115
NITROBENZENE	6.7	4.4	66	6	25	52 - 113
2-AMINO-4,6-DINITROTOLU	6.7	6.2	93	3	25	51 - 120
2,4-DINITROTOLUENE	13	6.0	46 *	0	25	48 - 97
4-NITROTOLUENE	13	8.9	68	4	25	41 - 128
2-NITROTOLUENE	13	8.6	66	3	25	45 - 125

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 13 outside limits

Spike Recovery: 2 out of 26 outside limits

4007

COMMENTS:

3C

WATER EXPLOSIVES MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBROOK

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Matrix Spike - EPA Sample No.: AA2006

3-NITROTOLUENE	13	8.6	66	6	25	50 - 117

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 0 outside limits

Spike Recovery: 0 out of 0 outside limits

COMMENTS: _____

4008

3F

SOIL LABORATORY CONTROL SPIKE RECOVERY

Lab Name: GPL Laboratories Contract: IT_PLUMBROOK

Lab Code: GPLL Case No.: N/A SAS No. N/A SDG No. N/A

EPA Sample No.: NLCSA GP ID: NBLK-6938-MS

COMPOUND	SPIKE ADDED (ug/kg)	LCS CONCENTRATION (ug/kg)	LCS % REC	QC LIMITS
HMX	3000	2551	85	70-114
1,3,5-TNB	1500	1451	97	70-118
TETRYL	3000	2092	70	26-100
TNT	1500	1731	115	70-150
4-AMINO-2,6-DNT	1500	1373	92	60-112
4-NITROTOLUENE	3000	2836	95	70-119
RDX	3000	2680	89	70-118
1,3-DINITROBENZENE	1500	1418	95	70-118
NITROBENZENE	1500	1396	93	70-121
2-AMINO-4,6-DNT	1500	1859	124	69-146
2,4-DNT	3000	1989	66	64-100
2-NITROTOLUENE	3000	2856	95	70-122
3-NITROTOLUENE	3000	2758	92	70-111

* OUTSIDE QC LIMIT

COMMENTS:

FORM III 8330

3F

WATER LABORATORY CONTROL SPIKE RECOVERY

Lab Name: GPL Laboratories Contract: IT_PLUMBROOK

Lab Code: GPLL Case No.: N/A SAS No. N/A SDG No.: N/A

EPA Sample No.: NLCSB GP ID: NBLK-6958-MS

COMPOUND	SPIKE ADDED ug/l	LCS CONCENTRATION ug/l	LCS % REC	QC LIMITS
HMX	7.8	6.7	86	70-127
1,3,5-TNB	3.9	3.5	90	20-150
TETRYL	7.8	4.1	52	20-104
TNT	3.9	4.5	115	70-150
4-AMINO-2,6-DNT	3.9	3.7	95	63-121
4-NITROTOLUENE	7.8	7.4	95	57-139
RDX	7.8	7.1	91	70-124
1,3-DINITROBENZENE	3.9	3.8	97	65-141
NITROBENZENE	3.9	4.1	105	71-134
2-AMINO-4,6-DNT	3.9	5.3	135	43-150
2,4-DNT	7.8	4.8	61	53-101
2-NITROTOLUENE	7.8	7.5	97	63-132
3-NITROTOLUENE	7.8	7.3	93	68-133

* OUTSIDE QC LIMIT

COMMENTS:

FORM III 8330

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

NBLKA

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBRO

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Lab File ID: LCA2368.D Lab Sample ID: NBLK 6938

Instrument ID: LCA Date Extracted: 09/25/00

Matrix: (soil/water) SOIL Date Analyzed: 10/06/00

Level: (low/med) LOW Time Analyzed: 06:05

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	Client SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	NLCSA	NBLK 6938 MS	LCA2369.D	10/06/00
02	AA1001	9126-002	LCA2370.D	10/06/00
03	AA1008	9126-003	LCA2373.D	10/06/00
04	ZB1005	9126-004	LCA2374.D	10/06/00
05	AB1007	9126-005	LCA2375.D	10/06/00
06	AB1008	9126-006	LCA2376.D	10/06/00
07	AB1008 MS	9126-006 MS	LCA2377.D	10/06/00
08	AB1008 MSD	9126-006 MSD	LCA2378.D	10/06/00
09	AB1009	9126-007	LCA2381.D	10/06/00
10	AB1013	9126-011	LCA2417.D	10/07/00
11	AB1014	9126-012	LCA2418.D	10/07/00
12	AB1015	9126-013	LCA2419.D	10/07/00
13	AB1018	9126-014	LCA2420.D	10/07/00
14	AB1010	9126-008	LCA2492.D	10/10/00
15	AB1011	9126-009	LCA2493.D	10/10/00
16	AB1012	9126-010	LCA2494.D	10/10/00
17	AB1009 DIL	9126-007 100X	LCA2550.D	10/12/00

COMMENTS:

4011

4B

EXPLOSIVES METHOD BLANK SUMMARY

EPA SAMPLE NO.

NBLKB

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBRO

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Lab File ID: LCA2310.D Lab Sample ID: NBLK 6958

Instrument ID: LCA Date Extracted: 09/25/00

Matrix: (soil/water) WATER Date Analyzed: 10/05/00

Level: (low/med) LOW Time Analyzed: 02:15

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	Client Sample NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	NLCSB	NBLK 6958 MS	LCA2311.D	10/05/00
02	AB2005	9126-015	LCA2328.D	10/05/00
03	AB2007	9126-016	LCA2329.D	10/05/00
04	AB2008	9126-017	LCA2330.D	10/05/00
05	AB2010	9126-018	LCA2331.D	10/05/00
06	AB2011	9126-019	LCA2332.D	10/05/00
07	AB2018	9126-020	LCA2333.D	10/05/00

COMMENTS:

4012

GPL LABORATORIES, LLLP

Possible notes and definitions for this report:

BQL	= Below Quantitation Limit
J	= Value is less than the reporting limits but greater than the MDL
P	= Indicates that there is greater than 25% difference for detected pesticide/Aroclor results between the two GC columns
B	= Indicates that the compound was found in the associated blank
E	= Indicates that the concentration exceeded the calibration range of the instrument
U	= Indicates that the compound was analyzed for but not detected, number indicates the reporting limit
D	= Indicates that the compound was found in an analysis at a secondary dilution factor
*	= Value obtained from a 1:5 dilution
+	= Value obtained from a 1:10 dilution
#	= Value obtained from a 1:20 dilution
=	= Value obtained from a 1:25 dilution
^	= Value obtained from a 1:50 dilution
~	= Value obtained from a 1:100 dilution
!	= Value obtained from a 1:250 dilution
@	= Value obtained from a 1:125 dilution (medium level)
$	= Value obtained from a 1:500 dilution
&	= Value obtained from a 1:1000 dilution
N	= Flashpoint not observed; heated to specified limit
R	= Flammable at room temperature
TNTC	= Too numerous to count
B.P.	= Detection limit taken from boiling point
F.F.	= Sample gave off flammable fumes

IT CORPORATION
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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 09202000-GPL

Project Number: 773206
Samples Shipment Date: 20 SEP 2000
Project Name: PLUMBROOK ORDNANCE WOR
ab Destination: GPL Labotatories
Sample Coordinator: Duane Nielsen
Lab Contact: Bill Lock
Turnaround Time:
Project Contact: Kim Napier
Carrier/Waybill No.: Fed Ex/8212 2620 3397

Bill To: Accounts Receivable
312 Directors Drive
Knoxville TN 37923

Report To: Kim Napier
312 Directors Drive
Knoxville TN 37923

Special Instructions: RUSH TAT

Possible Hazard Indentification:
Non-hazard [ ] Flammable [ ] Skin Irritant [ ] Poison B [ ] Unknown [X]

Sample Disposal:
Return to Client [ ] Disposal by Lab [X] Archive (mos.)

1. Relinquished By (Signature/Affiliation) [signature] Date: 9/20/00 Time: 15:00
2. Relinquished By (Signature/Affiliation) Date: Time:
3. Relinquished By (Signature/Affiliation) Date: Time:

1. Received By (Signature/Affiliation) Date: Time:
2. Received By (Signature/Affiliation) Date: Time:
3. Received By (Signature/Affiliation) [signature] Date: 09/21/00 Time: 10:50 AM

Comments:

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
09192000-TB	FIELDQC-BW-09192000-TB-TB	19 SEP 2000	07:00	40 ml GVIAL,SEP	2	HCl<pH 2	TCL Volatiles by SW-846 8260B	N		
AA1001	PBOW-00-SD-TNTA-SD01-AA1001-(00-00)	19 SEP 2000	18:00	8 oz CWM	2	None except cool to 4 C	TCL Volatiles by SW-846 8260B	N		
AA1001	PBOW-00-SD-TNTA-SD01-AA1001-(00-00)	19 SEP 2000	18:00	8 oz CWM	1	None except cool to 4 C	PCBs by SW-846 8082, TCL Semivolatiles by SW-846 8270C	N		
AA1001	PBOW-00-SD-TNTA-SD01-AA1001-(00-00)	19 SEP 2000	18:00	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by SW-846 8330, TAL Metals by SW-846 6010B/7471A in soil	N		
AA1008	PBOW-00-SD-TNTA-SD08-AA1008-(00-00)	19 SEP 2000	18:15	8 oz CWM	2	None except cool to 4 C	TCL Volatiles by SW-846 8260B	N		
AA1008	PBOW-00-SD-TNTA-SD08-AA1008-(00-00)	19 SEP 2000	18:15	8 oz CWM	1	None except cool to 4 C	PCBs by SW-846 8082, TCL Semivolatiles by SW-846 8270C	N		

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IT CORPORATION
A Member of The IT Group

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 09202000-GPL

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
AA1008	PBOW-00-SD-TNTA-SD08-AA1008-(00-00)	19 SEP 2000	18:15	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by SW-846 8330, TAL Metals by SW-846 6010B/7471A in soil	N		
AB1005	PBOW-00-SD-TNTC-SD05-AB1005-(00-00)	19 SEP 2000	08:30	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by SW-846 8330, TAL Metals by SW-846 6010B/7471A in soil	N		
AB1005	PBOW-00-SD-TNTC-SD05-AB1005-(00-00)	19 SEP 2000	08:30	8 oz CWM	1	None except cool to 4 C	PCBs by SW-846 8082, TCL Semivolatiles by SW-846 8270C	N		
AB1005	PBOW-00-SD-TNTC-SD05-AB1005-(00-00)	19 SEP 2000	08:30	8 oz CWM	2	None except cool to 4 C	TCL Volatiles by SW-846 8260B	N		
AB1007	PBOW-00-SD-TNTC-SD07-AB1007-(00-00)	19 SEP 2000	08:50	8 oz CWM	2	None except cool to 4 C	TCL Volatiles by SW-846 8260B	N		
AB1007	PBOW-00-SD-TNTC-SD07-AB1007-(00-00)	19 SEP 2000	08:50	8 oz CWM	1	None except cool to 4 C	PCBs by SW-846 8082, TCL Semivolatiles by SW-846 8270C	N		
AB1007	PBOW-00-SD-TNTC-SD07-AB1007-(00-00)	19 SEP 2000	08:50	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by SW-846 8330, TAL Metals by SW-846 6010B/7471A in soil	N		
AB1008	PBOW-00-SD-TNTC-SD08-AB1008-(00-00)	19 SEP 2000	14:30	8 oz CWM	2	None except cool to 4 C	TCL Volatiles by SW-846 8260B	N		
AB1008	PBOW-00-SD-TNTC-SD08-AB1008-(00-00)	19 SEP 2000	14:30	8 oz CWM	1	None except cool to 4 C	PCBs by SW-846 8082, TCL Semivolatiles by SW-846 8270C	N		
AB1008	PBOW-00-SD-TNTC-SD08-AB1008-(00-00)	19 SEP 2000	14:30	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by SW-846 8330, TAL Metals by SW-846 6010B/7471A in soil	N		
AB1009	PBOW-00-SD-TNTC-SD09-AB1009-(00-00)	19 SEP 2000	09:40	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by SW-846 8330, TAL Metals by SW-846 6010B/7471A in soil	N		
AB1009	PBOW-00-SD-TNTC-SD09-AB1009-(00-00)	19 SEP 2000	09:40	8 oz CWM	2	None except cool to 4 C	TCL Volatiles by SW-846 8260B	N		
AB1009	PBOW-00-SD-TNTC-SD09-AB1009-(00-00)	19 SEP 2000	09:40	8 oz CWM	1	None except cool to 4 C	PCBs by SW-846 8082, TCL Semivolatiles by SW-846 8270C	N		
AB1010	PBOW-00-SD-TNTC-SD10-AB1010-(00-00)	19 SEP 2000	16:15	8 oz CWM	2	None except cool to 4 C	TCL Volatiles by SW-846 8260B	N		
AB1010	PBOW-00-SD-TNTC-SD10-AB1010-(00-00)	19 SEP 2000	16:15	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by SW-846 8330, TAL Metals by SW-846 6010B/7471A in soil	N		
AB1010	PBOW-00-SD-TNTC-SD10-AB1010-(00-00)	19 SEP 2000	16:15	8 oz CWM	1	None except cool to 4 C	PCBs by SW-846 8082, TCL Semivolatiles by SW-846 8270C	N		
AB1011	PBOW-00-SD-TNTC-SD11-AB1011-(00-00)	19 SEP 2000	16:40	8 oz CWM	2	None except cool to 4 C	TCL Volatiles by SW-846 8260B	N		
AB1011	PBOW-00-SD-TNTC-SD11-AB1011-(00-00)	19 SEP 2000	16:40	8 oz CWM	1	None except cool to 4 C	PCBs by SW-846 8082, TCL Semivolatiles by SW-846 8270C	N		
AB1011	PBOW-00-SD-TNTC-SD11-AB1011-(00-00)	19 SEP 2000	16:40	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by SW-846 8330, TAL Metals by SW-846 6010B/7471A in soil	N		
AB1012	PBOW-00-SD-TNTC-SD12-AB1012-(00-00)	19 SEP 2000	11:30	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by SW-846 8330, TAL Metals by SW-846 6010B/7471A in soil	N		
AB1012	PBOW-00-SD-TNTC-SD12-AB1012-(00-00)	19 SEP 2000	11:30	8 oz CWM	2	None except cool to 4 C	TCL Volatiles by SW-846 8260B	N		
AB1012	PBOW-00-SD-TNTC-SD12-AB1012-(00-00)	19 SEP 2000	11:30	8 oz CWM	1	None except cool to 4 C	PCBs by SW-846 8082, TCL Semivolatiles by SW-846 8270C	N		
AB1013	PBOW-00-SD-TNTC-SD13-AB1013-(00-00)	19 SEP 2000	10:00	8 oz CWM	2	None except cool to 4 C	TCL Volatiles by SW-846 8260B	N		
AB1013	PBOW-00-SD-TNTC-SD13-AB1013-(00-00)	19 SEP 2000	10:00	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by SW-846 8330, TAL Metals by SW-846 6010B/7471A in soil	N		
AB1013	PBOW-00-SD-TNTC-SD13-AB1013-(00-00)	19 SEP 2000	10:00	8 oz CWM	1	None except cool to 4 C	PCBs by SW-846 8082, TCL	N		

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IT CORPORATION
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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 09202000-GPL

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
							Semivolatiles by SW-846 8270C			
AB1014	PBOW-00-SD-TNTC-SD14-AB1014-(00-00)	19 SEP 2000	12:00	8 oz CWM	2	None except cool to 4 C	TCL Volatiles by SW-846 8260B	N		
AB1014	PBOW-00-SD-TNTC-SD14-AB1014-(00-00)	19 SEP 2000	12:00	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by SW-846 8330, TAL Metals by SW-846 6010B/7471A in soil	N		
AB1014	PBOW-00-SD-TNTC-SD14-AB1014-(00-00)	19 SEP 2000	12:00	8 oz CWM	1	None except cool to 4 C	PCBs by SW-846 8082, TCL Semivolatiles by SW-846 8270C	N		
AB1015	PBOW-00-SD-TNTC-SD15-AB1015-(00-00)	19 SEP 2000	11:45	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by SW-846 8330, TAL Metals by SW-846 6010B/7471A in soil	N		
AB1015	PBOW-00-SD-TNTC-SD15-AB1015-(00-00)	19 SEP 2000	11:45	8 oz CWM	2	None except cool to 4 C	TCL Volatiles by SW-846 8260B	N		
AB1015	PBOW-00-SD-TNTC-SD15-AB1015-(00-00)	19 SEP 2000	11:45	8 oz CWM	1	None except cool to 4 C	PCBs by SW-846 8082, TCL Semivolatiles by SW-846 8270C	N		
AB1018	PBOW-00-SD-TNTC-SD08-AB1018-(00-00)	19 SEP 2000	14:30	8 oz CWM	2	None except cool to 4 C	TCL Volatiles by SW-846 8260B	N		
AB1018	PBOW-00-SD-TNTC-SD08-AB1018-(00-00)	19 SEP 2000	14:30	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by SW-846 8330, TAL Metals by SW-846 6010B/7471A in soil	N		
AB1018	PBOW-00-SD-TNTC-SD08-AB1018-(00-00)	19 SEP 2000	14:30	8 oz CWM	1	None except cool to 4 C	PCBs by SW-846 8082, TCL Semivolatiles by SW-846 8270C	N		
AB2005	PBOW-00-SW-TNTC-SW05-AB2005-(00-00)	19 SEP 2000	08:20	40 mL GVIAL,SEP	3	HCl<pH 2	TCL Volatiles by SW-846 8260B	N		
AB2005	PBOW-00-SW-TNTC-SW05-AB2005-(00-00)	19 SEP 2000	08:20	1 L HDPE	1	HNO3, pH<2	TAL Metals by SW-846 6010B/7470A in water	N		
AB2005	PBOW-00-SW-TNTC-SW05-AB2005-(00-00)	19 SEP 2000	08:20	1 L Amb. Glass	2	None except cool to 4 C	PCBs by SW-846 8082	N		
AB2005	PBOW-00-SW-TNTC-SW05-AB2005-(00-00)	19 SEP 2000	08:20	1 L Amb. Glass	2	None except cool to 4 C	Nitroaromatics by SW-846 8330	N		
AB2005	PBOW-00-SW-TNTC-SW05-AB2005-(00-00)	19 SEP 2000	08:20	1 L Amb. Glass	2	None except cool to 4 C	TCL Semivolatiles by SW-846 8270C	N		
AB2007	PBOW-00-SW-TNTC-SW07-AB2007-(00-00)	19 SEP 2000	08:40	40 mL GVIAL,SEP	3	HCl<pH 2	TCL Volatiles by SW-846 8260B	N		
AB2007	PBOW-00-SW-TNTC-SW07-AB2007-(00-00)	19 SEP 2000	08:40	1 L Amb. Glass	2	None except cool to 4 C	TCL Semivolatiles by SW-846 8270C	N		
AB2007	PBOW-00-SW-TNTC-SW07-AB2007-(00-00)	19 SEP 2000	08:40	1 L Amb. Glass	2	None except cool to 4 C	Nitroaromatics by SW-846 8330	N		
AB2007	PBOW-00-SW-TNTC-SW07-AB2007-(00-00)	19 SEP 2000	08:40	1 L HDPE	1	HNO3, pH<2	TAL Metals by SW-846 6010B/7470A in water	N		
AB2007	PBOW-00-SW-TNTC-SW07-AB2007-(00-00)	19 SEP 2000	08:40	1 L Amb. Glass	2	None except cool to 4 C	PCBs by SW-846 8082	N		
AB2008	PBOW-00-SW-TNTC-SW08-AB2008-(00-00)	19 SEP 2000	14:00	40 mL GVIAL,SEP	3	HCl<pH 2	TCL Volatiles by SW-846 8260B	N		
AB2008	PBOW-00-SW-TNTC-SW08-AB2008-(00-00)	19 SEP 2000	14:00	1 L Amb. Glass	2	None except cool to 4 C	TCL Semivolatiles by SW-846 8270C	N		
AB2008	PBOW-00-SW-TNTC-SW08-AB2008-(00-00)	19 SEP 2000	14:00	1 L Amb. Glass	2	None except cool to 4 C	Nitroaromatics by SW-846 8330	N		
AB2008	PBOW-00-SW-TNTC-SW08-AB2008-(00-00)	19 SEP 2000	14:00	1 L HDPE	1	HNO3, pH<2	TAL Metals by SW-846 6010B/7470A in water	N		
AB2008	PBOW-00-SW-TNTC-SW08-AB2008-(00-00)	19 SEP 2000	14:00	1 L Amb. Glass	2	None except cool to 4 C	PCBs by SW-846 8082	N		
AB2010	PBOW-00-SW-TNTC-SW10-AB2010-(00-00)	19 SEP 2000	16:00	40 mL GVIAL,SEP	3	HCl<pH 2	TCL Volatiles by SW-846 8260B	N		
AB2010	PBOW-00-SW-TNTC-SW10-AB2010-(00-00)	19 SEP 2000	16:00	1 L Amb. Glass	2	None except cool to 4 C	PCBs by SW-846 8082	N		
AB2010	PBOW-00-SW-TNTC-SW10-AB2010-(00-00)	19 SEP 2000	16:00	1 L HDPE	1	HNO3, pH<2	TAL Metals by SW-846 6010B/7470A in water	N		

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IT CORPORATION
A Member of The IT Group

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 09202000-GPL

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
AB2010	PBOW-00-SW-TNTC-SW10-AB2010-(00-00)	19 SEP 2000	16:00	1 L Amb. Glass	2	None except cool to 4 C	TCL Semivolatiles by SW-846 8270C	N		
AB2010	PBOW-00-SW-TNTC-SW10-AB2010-(00-00)	19 SEP 2000	16:00	1 L Amb. Glass	2	None except cool to 4 C	Nitroaromatics by SW-846 8330	N		
AB2011	PBOW-00-SW-TNTC-SW11-AB2011-(00-00)	19 SEP 2000	16:25	40 mL GVIAL,SEP	3	HCl<pH 2	TCL Volatiles by SW-846 8260B	N		
AB2011	PBOW-00-SW-TNTC-SW11-AB2011-(00-00)	19 SEP 2000	16:25	1 L Amb. Glass	2	None except cool to 4 C	TCL Semivolatiles by SW-846 8270C	N		
AB2011	PBOW-00-SW-TNTC-SW11-AB2011-(00-00)	19 SEP 2000	16:25	1 L HDPE	1	HNO3, pH<2	TAL Metals by SW-846 6010B/7470A in water	N		
AB2011	PBOW-00-SW-TNTC-SW11-AB2011-(00-00)	19 SEP 2000	16:25	1 L Amb. Glass	2	None except cool to 4 C	PCBs by SW-846 8082	N		
AB2011	PBOW-00-SW-TNTC-SW11-AB2011-(00-00)	19 SEP 2000	16:25	1 L Amb. Glass	2	None except cool to 4 C	Nitroaromatics by SW-846 8330	N		
AB2018	PBOW-00-SW-TNTC-SW08-AB2018-(00-00)	19 SEP 2000	14:00	1 L Amb. Glass	2	None except cool to 4 C	TCL Semivolatiles by SW-846 8270C	N		
AB2018	PBOW-00-SW-TNTC-SW08-AB2018-(00-00)	19 SEP 2000	14:00	1 L Amb. Glass	2	None except cool to 4 C	Nitroaromatics by SW-846 8330	N		
AB2018	PBOW-00-SW-TNTC-SW08-AB2018-(00-00)	19 SEP 2000	14:00	1 L HDPE	1	HNO3, pH<2	TAL Metals by SW-846 6010B/7470A in water	N		
AB2018	PBOW-00-SW-TNTC-SW08-AB2018-(00-00)	19 SEP 2000	14:00	1 L Amb. Glass	2	None except cool to 4 C	PCBs by SW-846 8082	N		
AB2018	PBOW-00-SW-TNTC-SW08-AB2018-(00-00)	19 SEP 2000	14:00	40 mL GVIAL,SEP	3	HCl<pH 2	TCL Volatiles by SW-846 8260B	N		

GPL Laboratories, LLLP

Figure 1
SAMPLE RECEIPT CHECKLIST

W.O. No: 9126

Client Name: IT Corporation

Date Received: 09/21/00

Time Received: 10:50 AM

Received By: [illegible]

Carrier Name: _____

Prepared (Logged In) By: SR 09/21/00 (Initials Date)

Project: Plum Brook Ordnance Works

Site: _____

VOA Holding Blank I.D. No: _____

	YES	NO
Airbill/Manifest Present?	✓	
No. _____		
Shipping Container in Good Condition?	✓	
Custody Seals Present on Shipping Container?		✓
Condition: Broken ____ Intact-not dated or signed ____ Intact-dated and signed ____		
Usage of Tamper Evident Type		✓
Chain-of-Custody Present?	✓	
Chain-of-Custody Agrees with Sample Labels?	✓	
Chain-of-Custody Signed?	✓	
Packing Present in Shipping Container? Type of Packing Bubble wrap	✓	
Custody seals on Sample Bottles? Condition: Good ____ Broken ____		✓
Total Number of Sample Bottles ____		
Total Number of Samples ____		
Samples Intact?	✓	
Sufficient Sample Volume for Indicated Test?	✓	

	YES	NO
Trip Blanks: No. of Sets 1	✓	
Field Blanks: No. of Sets ____		✓
Equip. Blank: No. of Sets ____		✓
Field Duplicate: No. of Sets ____		✓
MS/MSD: No of Sets ____		✓
VOA Vials Have Zero Headspace?	✓	
Preservatives Added to Sample?	✓	
pH Check Required? Performed By? [illegible]	✓	
Ice Present in Shipping Container?	✓	

Container #	Temp.	Container #	Temp.
#1	3.0°C		
#2	2.0°C		
#3	2.0°C		
#4	2.0°C		
#5	2.0°C		
#6	3.0°C		
#7	2.0°C		

Project Manager Contacted?
Name: _____
Date Contacted: _____

Any NO response must be detailed in the comments section below. If items are not applicable to particular samples or contracts, they should be marked N/A/

COMMENTS: Temperature for Temp Blank
Sample AB-2011 1-5VOA bottle not received

Checklist Completed By: [illegible]

Date: 09/21/00

SOP No: F.2V10

Sample Preservation Check Documentation Form

WORK ORDER: 9126

Parameter:	Metals	Phenol	TPH O&G	Classical Parameters	Cyanide	Sulfide	Radiology	Other Preservations
Preservative:	HNO3	H2SO4	H2SO4	H2SO4	NaOH	NaOH	H2SO4	
pH Value	<2	<2	<2	<2	>12	>9	<2	
CLIENT I.D.								
AB2005	2							
AB2007	2							
AB2007	2							
AB2010	2							
AB2011	2							
AB2018	2							

09/21/00

Check Performed By: 09/21/00 Date: 09/21/00

Duplicate

Analytical Report For 9130

✓ VOA
✓ S VOA
✓ ACB
✓ Explosives

for

IT Corporation

Project Manager: Maureen McMyler

Project Name : Plumbrook Ordnance Works

October 17, 2000

GPL

Laboratories

Project Manager

Laboratory Director

202 Perry Parkway Gaithersburg, MD 20877 Phone (301) 926 6802 Fax: (301) 840) 1209
www.gplab.com

GPL

Laboratories

CASE NARRATIVE

CLIENT: IT CORPORATION
PROJECT/SITE: PLUMBROOK ORDNANCE WORKS
WORK ORDER(S): 9130
REVIEW DATE: 10/17/00

The Case Narrative, Chain of Custody, Sample Receipt Checklist, and the cover page of the Analytical Report, are integral parts of GPL Laboratories' report package. If you did not receive all of these documents, please contact GPL immediately.

Sample Receipt

Sixteen soils and twelve water samples were received on 09/22/2000. The samples were delivered by Federal Express. The samples were received intact. Sample receipt conditions and temperatures are documented on the Sample Receipt Checklist.

Sample Analysis

Samples were prepared and analyzed by GPL using the analytical methodologies indicated on the Analytical Report of Analysis.

Volatile Analysis

1. Ten water and fourteen soil samples were analyzed for volatile organic using 8260B methodologies.

2. The matrix spike and matrix spike duplicate analyses were performed on sample AA1004.

3. Three laboratory control sample (LCS) reports were submitted with this package.

4. Methylene chloride was present on BLK6989 and BLK7029 at 7 ug/Kg.

5. The lowest calibration level reported for acetone and 2-butanone in the initial calibration curve report, 8625BW20.M, was 5 ug/L.

Semivolatile Analysis

1. Nine water samples and fourteen soil samples were extracted using method 3520C and 3550B respectively. These samples were analyzed for semivolatile organic compounds using USEPA method 8270C.

2. For the water samples matrix spike and duplicate analysis was performed on sample AA2006. There was one RPD outside of QC limits. A laboratory control spike was also performed with the batch, four spike recoveries were outside of QC limits.

3. For the soil samples matrix spike and duplicate analysis was performed on sample AA1004. There were two spike recoveries outside of QC limits. A laboratory control spike was also performed with the batch.

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Laboratories

CASE NARRATIVE

CLIENT: IT CORPORATION
PROJECT/SITE: PLUMBROOK ORDNANCE WORKS
WORK ORDER(S): 9130
REVIEW DATE: 10/17/00

4. The continuing calibration analyzed on 10/06/00 had Di-n-octylphthalate at 24.2%D. Re-analyses were not performed since it was not detected in the samples that were analyzed that day.

5. The continuing calibration analyzed on 10/09/00 had Pentachlorophenol at 24.8%D. Re-analyses were not performed since it was not detected in the samples that were analyzed that day.

Pesticide/PCB/Herbicides

1. Fourteen soil and nine water samples were extracted and analyzed for PCB compounds using method 8082.

2. Matrix spike and MSD analysis for the soil was performed on sample AA1004 and for the water samples on sample AA2006. AR1016 recovery for AA1004 MSD was outside QC limits. A laboratory control spike was performed with each matrix. AR1016 and AR1260 recovery for PLCSB was outside QC limits.

3. Surrogate DCB is slightly above QC limits for AA1016 on RTX-CLP2 column and surrogate TCX was slightly above QC limits for PLCSB, AA2002, AA2010 on RTX-CLP, as well as AA2005 on both RTX-CLP and RTX-CLP2.

4. Concentrations reported on Form I are the higher values of results generated by two columns. However, the analyst based on the evaluation of quality control parameters determines the most reliable results. Flagged concentrations (*) on Form I indicate that reported results are the lower values.

5. Due to software limitations, some forms were corrected manually.

Explosives/HPLC

1. Fourteen soils and nine water samples were extracted and analyzed for explosive compounds using SW846 method 8330.

2. Matrix spike and matrix spike duplicate analyses were performed on sample AA1004 for soil and on sample AA2006 for water. The percent recovery of 2,4-DNT in the water MS and MSD were slightly below QC limits. All other target analyte recoveries were within control limits.

3. A laboratory control sample was extracted and analyzed along with each sample matrix batch. All target analyte recoveries were within control limits.

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Laboratories

CASE NARRATIVE

CLIENT: IT CORPORATION
PROJECT/SITE: PLUMBROOK ORDNANCE WORKS
WORK ORDER(S): 9130
REVIEW DATE: 10/17/00

4. Explosive compounds 2,4-DNT and 2,6-DNT co-elute on the primary column and the confirmation column. The mixture of 2,4-DNT and 2,6-DNT in the LCS and MS/MSD samples is quantitated and reported as 2,4-DNT. A peak detected in the retention time window of 2,4-DNT and 2,6-DNT on both columns will be reported as an isomeric pair in samples under the results for 2,4-DNT.

5. Manual integration was performed on some data files, when automatic integration provided by the software was inappropriate. Some forms were "hand" corrected due to software limitations.

Metals

1. Nine water samples and fourteen soil samples were analyzed for HSL metals by SW 846 methods.

2. A matrix spike and duplicate were performed on soil sample AA1004 for all required analytes. A serial dilution was also performed for the ICP analytes. No control limits were applied to the matrix spike for aluminum, iron, and potassium because the spike addition was insignificant. The matrix spike was outside the control limits for antimony. The associated data has been flagged with an "N". A post digestion spike was performed with a recovery of 106.4%.

3. A matrix spike and duplicate were performed on water sample AA2006 for all required analytes. A serial dilution was also performed for the ICP analytes. No control limits were applied to the matrix spike for calcium because the spike addition was insignificant. The matrix spike was outside the control limits for iron. The associated data has been flagged with an "N". A post digestion spike was performed with a recovery of 93.2%. The duplicate was outside the control limits for iron. The associated data has been flagged with an "*". The serial dilution was outside the control limits for sodium. The associated data has been flagged with an "E".

4. Calibration standards are verified against independent check standards purchased from a commercial vendor of environmental standards.

5. All GPL QA/QC criteria were met with the exceptions of those mentioned above.

Project Manager

Lab Director

GPL LABORATORIES, LLP
ANALYTICAL RESULTS

Project Name : Plumbrook Ordnance Works

Date Printe October 17, 2000

GPL ID	Client ID
9130-002-04-1/1	AA1002
9130-003-04-1/1	AA1003
9130-004-04-1/1	AA1004
9130-007-04-1/1	AA1005
9130-008-04-1/1	AA1006
9130-009-04-1/1	AA1007
9130-010-04-1/1	AA1009
9130-011-04-1/1	AA1010
9130-012-04-1/1	AA1011
9130-013-04-1/1	AA1013
9130-014-04-1/1	AA1014
9130-015-04-1/1	AA1015
9130-016-04-1/1	AA1016
9130-017-04-1/1	AA1017
9130-020-06-1	AA2002
9130-021-06-1	AA2003
9130-022-06-1	AA2004
9130-023-06-1	AA2005
9130-024-06-1	AA2006
9130-025-06-1	AA2007
9130-026-06-1	AA2009
9130-027-06-1	AA2010
9130-028-06-1	AA2011
9130-002-04-1/1	AA1002
9130-003-04-1/1	AA1003
9130-004-04-1/1	AA1004
9130-007-04-1/1	AA1005
9130-008-04-1/1	AA1006
9130-009-04-1/1	AA1007
9130-010-04-1/1	AA1009
9130-011-04-1/1	AA1010
9130-012-04-1/1	AA1011
9130-013-04-1/1	AA1013
9130-014-04-1/1	AA1014
9130-015-04-1/1	AA1015
9130-016-04-1/1	AA1016
9130-017-04-1/1	AA1017
9130-020-06-1	AA2002
9130-021-06-1	AA2003
9130-022-06-1	AA2004
9130-023-06-1	AA2005
9130-024-06-1	AA2006
9130-025-06-1	AA2007
9130-026-06-1	AA2009
9130-027-06-1	AA2010
9130-028-06-1	AA2011
9130-002-04-1/1	AA1002

GPL LABORATORIES, LLP
ANALYTICAL RESULTS

Project Name : Plumbrook Ordnance Works

Date Printe October 17, 2000

GPL ID	Client ID
9130-003-04-1/1	AA1003
9130-004-04-1/1	AA1004
9130-007-04-1/1	AA1005
9130-008-04-1/1	AA1006
9130-009-04-1/1	AA1007
9130-010-04-1/1	AA1009
9130-011-04-1/1	AA1010
9130-012-04-1/1	AA1011
9130-013-04-1/1	AA1013
9130-014-04-1/1	AA1014
9130-015-04-1/1	AA1015
9130-016-04-1/1	AA1016
9130-017-04-1/1	AA1017
9130-020-09-1/2	AA2002
9130-021-09-1/2	AA2003
9130-022-09-1/2	AA2004
9130-023-09-1/2	AA2005
9130-024-09-1/1	AA2006
9130-025-09-1/2	AA2007
9130-026-09-1/2	AA2009
9130-027-09-1/2	AA2010
9130-028-09-1/2	AA2011
9130-002-03-1/1	AA1002
9130-003-03-1/1	AA1003
9130-004-03-1/1	AA1004
9130-007-03-1/1	AA1005
9130-008-03-1/1	AA1006
9130-009-03-1/1	AA1007
9130-010-03-1/1	AA1009
9130-011-03-1/1	AA1010
9130-012-03-1/1	AA1011
9130-013-03-1/1	AA1013
9130-014-03-1/1	AA1014
9130-015-03-1/1	AA1015
9130-016-03-1/1	AA1016
9130-017-03-1/1	AA1017
9130-002-01-1/2	AA1002
9130-003-01-1/2	AA1003
9130-004-01-1/2	AA1004
9130-007-01-1/2	AA1005
9130-008-01-1/2	AA1006
9130-009-01-1/2	AA1007
9130-010-01-1/2	AA1009
9130-011-01-1/2	AA1010
9130-012-01-1/2	AA1011
9130-013-01-1/2	AA1013
9130-014-01-1/2	AA1014

GPL LABORATORIES, LLP
ANALYTICAL RESULTS

Project Name : Plumbrook Ordnance Works

Date Printe October 17, 2000

GPL ID	Client ID
9130-015-01-1/2	AA1015
9130-016-01-1/2	AA1016
9130-017-01-1/2	AA1017
9130-001-01-1/2	09202000-TB
9130-020-01-1/3	AA2002
9130-021-01-1/3	AA2003
9130-022-01-1/3	AA2004
9130-023-01-1/3	AA2005
9130-024-01-1/3	AA2006
9130-025-01-1/3	AA2007
9130-026-01-1/3	AA2009
9130-027-01-1/3	AA2010
9130-028-01-1/3	AA2011
9130-020-07-1/2	AA2002
9130-021-07-1/2	AA2003
9130-022-07-1/2	AA2004
9130-023-07-1/2	AA2005
9130-024-07-1/2	AA2006
9130-025-07-1/2	AA2007
9130-026-07-1/2	AA2009
9130-027-07-1/2	AA2010
9130-028-07-1/2	AA2011
9130-002-03-1/1	AA1002
9130-003-03-1/1	AA1003
9130-004-03-1/1	AA1004
9130-007-03-1/1	AA1005
9130-008-03-1/1	AA1006
9130-009-03-1/1	AA1007
9130-010-03-1/1	AA1009
9130-011-03-1/1	AA1010
9130-012-03-1/1	AA1011
9130-013-03-1/1	AA1013
9130-014-03-1/1	AA1014
9130-015-03-1/1	AA1015
9130-016-03-1/1	AA1016
9130-017-03-1/1	AA1017
9130-002-03-1/1	AA1002
9130-003-03-1/1	AA1003
9130-004-03-1/1	AA1004
9130-007-03-1/1	AA1005
9130-008-03-1/1	AA1006
9130-009-03-1/1	AA1007
9130-010-03-1/1	AA1009
9130-011-03-1/1	AA1010
9130-012-03-1/1	AA1011
9130-013-03-1/1	AA1013
9130-014-03-1/1	AA1014

GPL LABORATORIES, LLP
ANALYTICAL RESULTS

Project Name : Plumbrook Ordnance Works

Date Printe October 17, 2000

GPL ID	Client ID
9130-015-03-1/1	AA1015
9130-016-03-1/1	AA1016
9130-017-03-1/1	AA1017
9130-020-04-1/2	AA2002
9130-021-04-1/2	AA2003
9130-022-04-1/2	AA2004
9130-023-04-1/2	AA2005
9130-024-04-1/2	AA2006
9130-025-04-1/2	AA2007
9130-026-04-1/2	AA2009
9130-027-04-1/2	AA2010
9130-028-04-1/2	AA2011

Summary of Analytical Results

Client ID AA1002	**Prep Method:**	**Analytical Method: CLP_SOLIDS**
GPL ID: 9130-002-04-1/1	**Prep Date:**	**Date Analyzed: Sep-25-2000**
Matrix: Soil	**Prep Time:**	**Time Analyzed 12:30**
Date Collected: Sep-20-2000	**Prep Chemist:**	**Analyst: Roya Sabouri**
Date Received: Sep-22-2000		

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Percent Solids	78.7	1	%		1

Summary of Analytical Results

Client ID AA1003
GPL ID: 9130-003-04-1/1
Matrix: Soil
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method:
Prep Date:
Prep Time:
Prep Chemist:

Analytical Method: CLP_SOLIDS
Date Analyzed: Sep-25-2000
Time Analyzed 12:30
Analyst: Roya Sabouri

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Percent Solids	79.2	1	%		1

Summary of Analytical Results

Client ID AA1004
GPL ID: 9130-004-04-1/1
Matrix: Soil
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method:
Prep Date:
Prep Time:
Prep Chemist:

Analytical Method: CLP_SOLIDS
Date Analyzed: Sep-25-2000
Time Analyzed 12:30
Analyst: Roya Sabouri

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Percent Solids	76.9	1	%		1

Summary of Analytical Results

Client ID AA1005
GPL ID: 9130-007-04-1/1
Matrix: Soil
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method:
Prep Date:
Prep Time:
Prep Chemist:

Analytical Method: CLP_SOLIDS
Date Analyzed: Sep-25-2000
Time Analyzed 12:30
Analyst: Roya Sabouri

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Percent Solids	71.9	1	%		1

Summary of Analytical Results

Client ID AA1006
GPL ID: 9130-008-04-1/1
Matrix: Soil
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method:
Prep Date:
Prep Time:
Prep Chemist:

Analytical Method: CLP_SOLIDS
Date Analyzed: Sep-25-2000
Time Analyzed 12:30
Analyst: Roya Sabouri

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Percent Solids	76.9	1	%		1

Summary of Analytical Results

Client ID AA1007
GPL ID: 9130-009-04-1/1
Matrix: Soil
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method:
Prep Date:
Prep Time:
Prep Chemist:

Analytical Method: CLP_SOLIDS
Date Analyzed: Sep-25-2000
Time Analyzed 12:30
Analyst: Roya Sabouri

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Percent Solids	72.2	1	%		1

Summary of Analytical Results

Client ID AA1009
GPL ID: 9130-010-04-1/1
Matrix: Soil
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method:
Prep Date:
Prep Time:
Prep Chemist:

Analytical Method: CLP_SOLIDS
Date Analyzed: Sep-25-2000
Time Analyzed 12:30
Analyst: Roya Sabouri

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Percent Solids	66.1	1	%		1

Summary of Analytical Results

Client ID AA1010
GPL ID: 9130-011-04-1/1
Matrix: Soil
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method:
Prep Date:
Prep Time:
Prep Chemist:

Analytical Method: CLP_SOLIDS
Date Analyzed: Sep-25-2000
Time Analyzed 12:30
Analyst: Roya Sabouri

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Percent Solids	75.3	1	%		1

Summary of Analytical Results

Client ID AA1011
GPL ID: 9130-012-04-1/1
Matrix: Soil
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method:
Prep Date:
Prep Time:
Prep Chemist:

Analytical Method: CLP_SOLIDS
Date Analyzed: Sep-25-2000
Time Analyzed 12:30
Analyst: Roya Sabouri

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Percent Solids	75.2	1	%		1

Summary of Analytical Results

Client ID AA1013
GPL ID: 9130-013-04-1/1
Matrix: Soil
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method:
Prep Date:
Prep Time:
Prep Chemist:

Analytical Method: CLP_SOLIDS
Date Analyzed: Sep-25-2000
Time Analyzed 12:30
Analyst: Roya Sabouri

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Percent Solids	54.3	1	%		1

Summary of Analytical Results

Client ID AA1014
GPL ID: 9130-014-04-1/1
Matrix: Soil
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method:
Prep Date:
Prep Time:
Prep Chemist:

Analytical Method: CLP_SOLIDS
Date Analyzed: Sep-25-2000
Time Analyzed 12:30
Analyst: Roya Sabouri

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Percent Solids	59.8	1	%		1

Summary of Analytical Results

Client ID AA1015
GPL ID: 9130-015-04-1/1
Matrix: Soil
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method:
Prep Date:
Prep Time:
Prep Chemist:

Analytical Method: CLP_SOLIDS
Date Analyzed: Sep-25-2000
Time Analyzed 12:30
Analyst: Roya Sabouri

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Percent Solids	61.2	1	%		1

Summary of Analytical Results

Client ID AA1016
GPL ID: 9130-016-04-1/1
Matrix: Soil
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method:
Prep Date:
Prep Time:
Prep Chemist:

Analytical Method: CLP_SOLIDS
Date Analyzed: Sep-25-2000
Time Analyzed 12:30
Analyst: Roya Sabouri

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Percent Solids	54.2	1	%		1

Summary of Analytical Results

Client ID AA1017
GPL ID: 9130-017-04-1/1
Matrix: Soil
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method:
Prep Date:
Prep Time:
Prep Chemist:

Analytical Method: CLP_SOLIDS
Date Analyzed: Sep-25-2000
Time Analyzed 12:30
Analyst: Roya Sabouri

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Percent Solids	71.3	1	%		1

Summary of Analytical Results

Client ID AA2002
GPL ID: 9130-020-06-1
Matrix: Water
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: SW3010A
Prep Date: Oct-05-2000
Prep Time: 17:33
Prep Chemist: Teshome Tamitre

Analytical Method: SW6010B
Date Analyzed: Oct-09-2000
Time Analyzed 14:22
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	92.1	200	ug/L	J	1
Antimony	BQL	6	ug/L	U	1
Arsenic	BQL	5	ug/L	U	1
Barium	22.5	5	ug/L		1
Beryllium	BQL	1	ug/L	U	1
Cadmium	0.780	3	ug/L	J	1
Calcium	138000	500	ug/L		1
Chromium	0.857	5	ug/L	J	1
Cobalt	BQL	5	ug/L	U	1
Copper	2.42	5	ug/L	J	1
Iron	193	100	ug/L		1
Lead	1.51	3	ug/L	J	1
Magnesium	44400	250	ug/L		1
Manganese	237	5	ug/L		1
Nickel	BQL	5	ug/L	U	1
Potassium	1830	250	ug/L		1
Selenium	BQL	5	ug/L	U	1
Silver	0.941	3	ug/L	J	1
Sodium	7710	1000	ug/L		1
Thallium	BQL	10	ug/L	U	1
Vanadium	0.935	5	ug/L	J	1
Zinc	36.8	15	ug/L		1

Summary of Analytical Results

Client ID AA2003
GPL ID: 9130-021-06-1
Matrix: Water
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: SW3010A
Prep Date: Oct-05-2000
Prep Time: 17:33
Prep Chemist: Teshome Tamitre

Analytical Method: SW6010B
Date Analyzed: Oct-09-2000
Time Analyzed 14:46
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	2880	200	ug/L		1
Antimony	BQL	6	ug/L	U	1
Arsenic	3.75	5	ug/L	J	1
Barium	53.9	5	ug/L		1
Beryllium	0.134	1	ug/L	J	1
Cadmium	BQL	3	ug/L	U	1
Calcium	164000	500	ug/L		1
Chromium	3.76	5	ug/L	J	1
Cobalt	3.34	5	ug/L	J	1
Copper	5.02	5	ug/L		1
Iron	9850	100	ug/L		1
Lead	5.49	3	ug/L		1
Magnesium	34900	250	ug/L		1
Manganese	1030	5	ug/L		1
Nickel	5.70	5	ug/L		1
Potassium	2320	250	ug/L		1
Selenium	BQL	5	ug/L	U	1
Silver	BQL	3	ug/L	U	1
Sodium	12700	1000	ug/L		1
Thallium	BQL	10	ug/L	U	1
Vanadium	6.23	5	ug/L		1
Zinc	61.7	15	ug/L		1

Summary of Analytical Results

Client ID AA2004
GPL ID: 9130-022-06-1
Matrix: Water
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: SW3010A
Prep Date: Oct-05-2000
Prep Time: 17:33
Prep Chemist: Teshome Tamitre

Analytical Method: SW6010B
Date Analyzed: Oct-09-2000
Time Analyzed 14:52
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	72.6	200	ug/L	J	1
Antimony	BQL	6	ug/L	U	1
Arsenic	BQL	5	ug/L	U	1
Barium	22.7	5	ug/L		1
Beryllium	BQL	1	ug/L	U	1
Cadmium	0.750	3	ug/L	J	1
Calcium	168000	500	ug/L		1
Chromium	BQL	5	ug/L	U	1
Cobalt	BQL	5	ug/L	U	1
Copper	1.62	5	ug/L	J	1
Iron	39.6	100	ug/L	J	1
Lead	BQL	3	ug/L	U	1
Magnesium	29300	250	ug/L		1
Manganese	30.2	5	ug/L		1
Nickel	BQL	5	ug/L	U	1
Potassium	5550	250	ug/L		1
Selenium	BQL	5	ug/L	U	1
Silver	0.781	3	ug/L	J	1
Sodium	54300	1000	ug/L		1
Thallium	BQL	10	ug/L	U	1
Vanadium	BQL	5	ug/L	U	1
Zinc	11.2	15	ug/L	J	1

Summary of Analytical Results

Client ID AA2005
GPL ID: 9130-023-06-1
Matrix: Water
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: SW3010A
Prep Date: Oct-05-2000
Prep Time: 17:33
Prep Chemist: Teshome Tamitre

Analytical Method: SW6010B
Date Analyzed: Oct-09-2000
Time Analyzed 14:58
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	400	200	ug/L		1
Antimony	BQL	6	ug/L	U	1
Arsenic	BQL	5	ug/L	U	1
Barium	26.9	5	ug/L		1
Beryllium	BQL	1	ug/L	U	1
Cadmium	BQL	3	ug/L	U	1
Calcium	152000	500	ug/L		1
Chromium	2.51	5	ug/L	J	1
Cobalt	BQL	5	ug/L	U	1
Copper	2.63	5	ug/L	J	1
Iron	581	100	ug/L		1
Lead	1.74	3	ug/L	J	1
Magnesium	35000	250	ug/L		1
Manganese	75.8	5	ug/L		1
Nickel	BQL	5	ug/L	U	1
Potassium	2680	250	ug/L		1
Selenium	BQL	5	ug/L	U	1
Silver	BQL	3	ug/L	U	1
Sodium	9290	1000	ug/L		1
Thallium	BQL	10	ug/L	U	1
Vanadium	1.59	5	ug/L	J	1
Zinc	7.69	15	ug/L	J	1

Summary of Analytical Results

Client ID AA2006
GPL ID: 9130-024-06-1
Matrix: Water
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: SW3010A
Prep Date: Oct-05-2000
Prep Time: 17:33
Prep Chemist: Teshome Tamitre

Analytical Method: SW6010B
Date Analyzed: Oct-09-2000
Time Analyzed 15:04
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	101	200	ug/L	J	1
Antimony	BQL	6	ug/L	U	1
Arsenic	BQL	5	ug/L	U	1
Barium	24.2	5	ug/L		1
Beryllium	0.109	1	ug/L	J	1
Cadmium	BQL	3	ug/L	U	1
Calcium	35700	500	ug/L		1
Chromium	4.49	5	ug/L	J	1
Cobalt	BQL	5	ug/L	U	1
Copper	6.63	5	ug/L		1
Iron	687	100	ug/L		1
Lead	2.55	3	ug/L	J	1
Magnesium	8970	250	ug/L		1
Manganese	48.6	5	ug/L		1
Nickel	BQL	5	ug/L	U	1
Potassium	2000	250	ug/L		1
Selenium	BQL	5	ug/L	U	1
Silver	BQL	3	ug/L	U	1
Sodium	10100	1000	ug/L		1
Thallium	BQL	10	ug/L	U	1
Vanadium	BQL	5	ug/L	U	1
Zinc	BQL	15	ug/L	U	1

Summary of Analytical Results

Client ID AA2007
GPL ID: 9130-025-06-1
Matrix: Water
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: SW3010A
Prep Date: Oct-05-2000
Prep Time: 17:33
Prep Chemist: Teshome Tamitre

Analytical Method: SW6010B
Date Analyzed: Oct-09-2000
Time Analyzed 15:34
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	195	200	ug/L	J	1
Antimony	BQL	6	ug/L	U	1
Arsenic	BQL	5	ug/L	U	1
Barium	23.2	5	ug/L		1
Beryllium	0.135	1	ug/L	J	1
Cadmium	BQL	3	ug/L	U	1
Calcium	37500	500	ug/L		1
Chromium	BQL	5	ug/L	U	1
Cobalt	BQL	5	ug/L	U	1
Copper	1.75	5	ug/L	J	1
Iron	190	100	ug/L		1
Lead	1.70	3	ug/L	J	1
Magnesium	9430	250	ug/L		1
Manganese	24.9	5	ug/L		1
Nickel	BQL	5	ug/L	U	1
Potassium	2040	250	ug/L		1
Selenium	BQL	5	ug/L	U	1
Silver	BQL	3	ug/L	U	1
Sodium	10400	1000	ug/L		1
Thallium	BQL	10	ug/L	U	1
Vanadium	BQL	5	ug/L	U	1
Zinc	5.03	15	ug/L	J	1

Summary of Analytical Results

Client ID AA2009
GPL ID: 9130-026-06-1
Matrix: Water
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: SW3010A
Prep Date: Oct-05-2000
Prep Time: 17:33
Prep Chemist: Teshome Tamitre

Analytical Method: SW6010B
Date Analyzed: Oct-09-2000
Time Analyzed 15:40
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	608	200	ug/L		1
Antimony	BQL	6	ug/L	U	1
Arsenic	BQL	5	ug/L	U	1
Barium	29.4	5	ug/L		1
Beryllium	0.204	1	ug/L	J	1
Cadmium	BQL	3	ug/L	U	1
Calcium	52300	500	ug/L		1
Chromium	2.33	5	ug/L	J	1
Cobalt	1.30	5	ug/L	J	1
Copper	3.21	5	ug/L	J	1
Iron	848	100	ug/L		1
Lead	BQL	3	ug/L	U	1
Magnesium	15100	250	ug/L		1
Manganese	90.5	5	ug/L		1
Nickel	3.43	5	ug/L	J	1
Potassium	2670	250	ug/L		1
Selenium	2.63	5	ug/L	J	1
Silver	BQL	3	ug/L	U	1
Sodium	14700	1000	ug/L		1
Thallium	BQL	10	ug/L	U	1
Vanadium	1.38	5	ug/L	J	1
Zinc	6.25	15	ug/L	J	1

Summary of Analytical Results

Client ID AA2010
GPL ID: 9130-027-06-1
Matrix: Water
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: SW3010A
Prep Date: Oct-05-2000
Prep Time: 17:33
Prep Chemist: Teshome Tamitre

Analytical Method: SW6010B
Date Analyzed: Oct-09-2000
Time Analyzed 16:03
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	1500	200	ug/L		1
Antimony	BQL	6	ug/L	U	1
Arsenic	BQL	5	ug/L	U	1
Barium	47.8	5	ug/L		1
Beryllium	0.240	1	ug/L	J	1
Cadmium	BQL	3	ug/L	U	1
Calcium	86200	500	ug/L		1
Chromium	4.37	5	ug/L	J	1
Cobalt	6.19	5	ug/L		1
Copper	6.02	5	ug/L		1
Iron	2010	100	ug/L		1
Lead	2.45	3	ug/L	J	1
Magnesium	30600	250	ug/L		1
Manganese	266	5	ug/L		1
Nickel	15.0	5	ug/L		1
Potassium	3620	250	ug/L		1
Selenium	BQL	5	ug/L	U	1
Silver	0.779	3	ug/L	J	1
Sodium	18200	1000	ug/L		1
Thallium	BQL	10	ug/L	U	1
Vanadium	2.45	5	ug/L	J	1
Zinc	19.9	15	ug/L		1

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Summary of Analytical Results

Client ID AA2011
GPL ID: 9130-028-06-1
Matrix: Water
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: SW3010A
Prep Date: Oct-05-2000
Prep Time: 17:33
Prep Chemist: Teshome Tamitre

Analytical Method: SW6010B
Date Analyzed: Oct-09-2000
Time Analyzed 16:09
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	134	200	ug/L	J	1
Antimony	BQL	6	ug/L	U	1
Arsenic	BQL	5	ug/L	U	1
Barium	24.5	5	ug/L		1
Beryllium	BQL	1	ug/L	U	1
Cadmium	BQL	3	ug/L	U	1
Calcium	36200	500	ug/L		1
Chromium	15.2	5	ug/L		1
Cobalt	BQL	5	ug/L	U	1
Copper	5.93	5	ug/L		1
Iron	1720	100	ug/L		1
Lead	5.46	3	ug/L		1
Magnesium	9230	250	ug/L		1
Manganese	58.9	5	ug/L		1
Nickel	3.18	5	ug/L	J	1
Potassium	2110	250	ug/L		1
Selenium	BQL	5	ug/L	U	1
Silver	BQL	3	ug/L	U	1
Sodium	10100	1000	ug/L		1
Thallium	BQL	10	ug/L	U	1
Vanadium	BQL	5	ug/L	U	1
Zinc	BQL	15	ug/L	U	1

Summary of Analytical Results

Client ID AA1002
GPL ID: 9130-002-04-1/1
Matrix: Soil
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: SW3050B
Prep Date: Oct-06-2000
Prep Time: 12:40
Prep Chemist: Rekha Patel

Analytical Method: SW6010B
Date Analyzed: Oct-09-2000
Time Analyzed 16:53
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	8800	48.9	mg/kg		2
Antimony	BQL	1.47	mg/kg	U	2
Arsenic	4.82	1.22	mg/kg		2
Barium	26.8	1.22	mg/kg		2
Beryllium	0.448	0.244	mg/kg		2
Cadmium	BQL	0.733	mg/kg	U	2
Calcium	18600	122	mg/kg		2
Chromium	14.3	1.22	mg/kg		2
Cobalt	11.2	1.22	mg/kg		2
Copper	15.7	1.22	mg/kg		2
Iron	14900	24.4	mg/kg		2
Lead	10.5	0.733	mg/kg		2
Magnesium	6520	61.1	mg/kg		2
Manganese	277	1.22	mg/kg		2
Nickel	27.6	1.22	mg/kg		2
Potassium	1740	61.1	mg/kg		2
Selenium	BQL	1.22	mg/kg	U	2
Silver	BQL	0.733	mg/kg	U	2
Sodium	89.8	244	mg/kg	J	2
Thallium	BQL	2.44	mg/kg	U	2
Vanadium	20.5	1.22	mg/kg		2
Zinc	53.7	3.67	mg/kg		2

Summary of Analytical Results

Client ID AA1003
GPL ID: 9130-003-04-1/1
Matrix: Soil
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: SW3050B
Prep Date: Oct-06-2000
Prep Time: 12:40
Prep Chemist: Rekha Patel

Analytical Method: SW6010B
Date Analyzed: Oct-09-2000
Time Analyzed 16:59
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	7220	50.5	mg/kg		2
Antimony	BQL	1.52	mg/kg	U	2
Arsenic	6.80	1.26	mg/kg		2
Barium	41.3	1.26	mg/kg		2
Beryllium	0.441	0.252	mg/kg		2
Cadmium	BQL	0.757	mg/kg	U	2
Calcium	2730	126	mg/kg		2
Chromium	11.3	1.26	mg/kg		2
Cobalt	5.69	1.26	mg/kg		2
Copper	12.7	1.26	mg/kg		2
Iron	16600	25.2	mg/kg		2
Lead	47.0	0.757	mg/kg		2
Magnesium	1650	63.1	mg/kg		2
Manganese	205	1.26	mg/kg		2
Nickel	15.3	1.26	mg/kg		2
Potassium	566	63.1	mg/kg		2
Selenium	BQL	1.26	mg/kg	U	2
Silver	BQL	0.757	mg/kg	U	2
Sodium	71.6	252	mg/kg	J	2
Thallium	BQL	2.53	mg/kg	U	2
Vanadium	18.8	1.26	mg/kg		2
Zinc	44.2	3.79	mg/kg		2

Summary of Analytical Results

Client ID AA1004
GPL ID: 9130-004-04-1/1
Matrix: Soil
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: SW3050B
Prep Date: Oct-06-2000
Prep Time: 12:40
Prep Chemist: Rekha Patel

Analytical Method: SW6010B
Date Analyzed: Oct-09-2000
Time Analyzed 17:05
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	7730	50.5	mg/kg		2
Antimony	BQL	1.52	mg/kg	U	2
Arsenic	2.09	1.26	mg/kg		2
Barium	18.6	1.26	mg/kg		2
Beryllium	0.452	0.253	mg/kg		2
Cadmium	BQL	0.758	mg/kg	U	2
Calcium	4080	126	mg/kg		2
Chromium	12.8	1.26	mg/kg		2
Cobalt	4.27	1.26	mg/kg		2
Copper	5.38	1.26	mg/kg		2
Iron	11700	25.3	mg/kg		2
Lead	5.80	0.758	mg/kg		2
Magnesium	1950	63.2	mg/kg		2
Manganese	97.5	1.26	mg/kg		2
Nickel	12.6	1.26	mg/kg		2
Potassium	1140	63.2	mg/kg		2
Selenium	BQL	1.26	mg/kg	U	2
Silver	BQL	0.758	mg/kg	U	2
Sodium	108	253	mg/kg	J	2
Thallium	BQL	2.53	mg/kg	U	2
Vanadium	18.1	1.26	mg/kg		2
Zinc	27.5	3.79	mg/kg		2

Summary of Analytical Results

Client ID AA1005
GPL ID: 9130-007-04-1/1
Matrix: Soil
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: SW3050B
Prep Date: Oct-06-2000
Prep Time: 12:40
Prep Chemist: Rekha Patel

Analytical Method: SW6010B
Date Analyzed: Oct-09-2000
Time Analyzed 18:01
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	10500	52.5	mg/kg		2
Antimony	BQL	1.58	mg/kg	U	2
Arsenic	21.1	1.31	mg/kg		2
Barium	46.2	1.31	mg/kg		2
Beryllium	0.772	0.263	mg/kg		2
Cadmium	0.164	0.788	mg/kg	J	2
Calcium	8820	131	mg/kg		2
Chromium	17.4	1.31	mg/kg		2
Cobalt	12.2	1.31	mg/kg		2
Copper	18.4	1.31	mg/kg		2
Iron	40600	26.3	mg/kg		2
Lead	48.6	0.788	mg/kg		2
Magnesium	2630	65.7	mg/kg		2
Manganese	243	1.31	mg/kg		2
Nickel	28.6	1.31	mg/kg		2
Potassium	1290	65.7	mg/kg		2
Selenium	1.13	1.31	mg/kg	J	2
Silver	BQL	0.788	mg/kg	U	2
Sodium	BQL	263	mg/kg	U	2
Thallium	BQL	2.63	mg/kg	U	2
Vanadium	29.0	1.31	mg/kg		2
Zinc	109	3.94	mg/kg		2

Summary of Analytical Results

Client ID AA1006
GPL ID: 9130-008-04-1/1
Matrix: Soil
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: SW3050B
Prep Date: Oct-06-2000
Prep Time: 12:40
Prep Chemist: Rekha Patel

Analytical Method: SW6010B
Date Analyzed: Oct-09-2000
Time Analyzed 18:07
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	12200	49.5	mg/kg		2
Antimony	BQL	1.49	mg/kg	U	2
Arsenic	5.88	1.24	mg/kg		2
Barium	35.1	1.24	mg/kg		2
Beryllium	0.636	0.248	mg/kg		2
Cadmium	BQL	0.743	mg/kg	U	2
Calcium	61600	124	mg/kg		2
Chromium	21.3	1.24	mg/kg		2
Cobalt	16.9	1.24	mg/kg		2
Copper	14.6	1.24	mg/kg		2
Iron	21700	24.8	mg/kg		2
Lead	10.7	0.743	mg/kg		2
Magnesium	6750	61.9	mg/kg		2
Manganese	973	1.24	mg/kg		2
Nickel	44.0	1.24	mg/kg		2
Potassium	3030	61.9	mg/kg		2
Selenium	BQL	1.24	mg/kg	U	2
Silver	BQL	0.743	mg/kg	U	2
Sodium	179	248	mg/kg	J	2
Thallium	BQL	2.48	mg/kg	U	2
Vanadium	17.0	1.24	mg/kg		2
Zinc	78.5	3.71	mg/kg		2

Summary of Analytical Results

Client ID AA1007
GPL ID: 9130-009-04-1/1
Matrix: Soil
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: SW3050B
Prep Date: Oct-06-2000
Prep Time: 12:40
Prep Chemist: Rekha Patel

Analytical Method: SW6010B
Date Analyzed: Oct-09-2000
Time Analyzed 18:13
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	14100	53.8	mg/kg		2
Antimony	BQL	1.61	mg/kg	U	2
Arsenic	2.82	1.35	mg/kg		2
Barium	38.4	1.35	mg/kg		2
Beryllium	0.689	0.269	mg/kg		2
Cadmium	BQL	0.807	mg/kg	U	2
Calcium	38100	134	mg/kg		2
Chromium	24.2	1.35	mg/kg		2
Cobalt	15.0	1.35	mg/kg		2
Copper	13.9	1.35	mg/kg		2
Iron	21100	26.9	mg/kg		2
Lead	8.87	0.807	mg/kg		2
Magnesium	6910	67.2	mg/kg		2
Manganese	615	1.35	mg/kg		2
Nickel	44.7	1.35	mg/kg		2
Potassium	2900	67.2	mg/kg		2
Selenium	BQL	1.35	mg/kg	U	2
Silver	BQL	0.807	mg/kg	U	2
Sodium	149	269	mg/kg	J	2
Thallium	BQL	2.69	mg/kg	U	2
Vanadium	18.8	1.35	mg/kg		2
Zinc	76.5	4.03	mg/kg		2

Summary of Analytical Results

Client ID AA1009
GPL ID: 9130-010-04-1/1
Matrix: Soil
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: SW3050B
Prep Date: Oct-06-2000
Prep Time: 12:40
Prep Chemist: Rekha Patel

Analytical Method: SW6010B
Date Analyzed: Oct-09-2000
Time Analyzed 18:19
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	11400	59.9	mg/kg		2
Antimony	BQL	1.8	mg/kg	U	2
Arsenic	25.0	1.5	mg/kg		2
Barium	177	1.5	mg/kg		2
Beryllium	1.56	0.3	mg/kg		2
Cadmium	1.16	0.899	mg/kg		2
Calcium	24500	150	mg/kg		2
Chromium	20.1	1.5	mg/kg		2
Cobalt	84.9	1.5	mg/kg		2
Copper	26.5	1.5	mg/kg		2
Iron	58300	30	mg/kg		2
Lead	59.0	0.899	mg/kg		2
Magnesium	5280	74.9	mg/kg		2
Manganese	2770	1.5	mg/kg		2
Nickel	117	1.5	mg/kg		2
Potassium	2090	74.9	mg/kg		2
Selenium	BQL	1.5	mg/kg	U	2
Silver	BQL	0.899	mg/kg	U	2
Sodium	BQL	300	mg/kg	U	2
Thallium	BQL	3	mg/kg	U	2
Vanadium	26.4	1.5	mg/kg		2
Zinc	201	4.49	mg/kg		2

Summary of Analytical Results

Client ID AA1010
GPL ID: 9130-011-04-1/1
Matrix: Soil
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: SW3050B
Prep Date: Oct-06-2000
Prep Time: 12:40
Prep Chemist: Rekha Patel

Analytical Method: SW6010B
Date Analyzed: Oct-09-2000
Time Analyzed 18:25
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	11800	52.1	mg/kg		2
Antimony	BQL	1.56	mg/kg	U	2
Arsenic	10.5	1.3	mg/kg		2
Barium	110	1.3	mg/kg		2
Beryllium	1.28	0.26	mg/kg		2
Cadmium	0.268	0.781	mg/kg	J	2
Calcium	68700	130	mg/kg		2
Chromium	19.1	1.3	mg/kg		2
Cobalt	60.0	1.3	mg/kg		2
Copper	20.3	1.3	mg/kg		2
Iron	27600	26	mg/kg		2
Lead	14.5	0.781	mg/kg		2
Magnesium	5820	65.1	mg/kg		2
Manganese	2480	1.3	mg/kg		2
Nickel	99.6	1.3	mg/kg		2
Potassium	2470	65.1	mg/kg		2
Selenium	BQL	1.3	mg/kg	U	2
Silver	0.557	0.781	mg/kg	J	2
Sodium	99.3	260	mg/kg	J	2
Thallium	BQL	2.6	mg/kg	U	2
Vanadium	17.8	1.3	mg/kg		2
Zinc	118	3.91	mg/kg		2

Summary of Analytical Results

Client ID AA1011
GPL ID: 9130-012-04-1/1
Matrix: Soil
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: SW3050B
Prep Date: Oct-06-2000
Prep Time: 12:40
Prep Chemist: Rekha Patel

Analytical Method: SW6010B
Date Analyzed: Oct-09-2000
Time Analyzed 18:31
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	8340	50.7	mg/kg		2
Antimony	BQL	1.52	mg/kg	U	2
Arsenic	3.38	1.27	mg/kg		2
Barium	19.3	1.27	mg/kg		2
Beryllium	0.418	0.253	mg/kg		2
Cadmium	BQL	0.76	mg/kg	U	2
Calcium	6970	127	mg/kg		2
Chromium	13.6	1.27	mg/kg		2
Cobalt	5.11	1.27	mg/kg		2
Copper	5.37	1.27	mg/kg		2
Iron	14300	25.3	mg/kg		2
Lead	5.49	0.76	mg/kg		2
Magnesium	2180	63.3	mg/kg		2
Manganese	170	1.27	mg/kg		2
Nickel	13.8	1.27	mg/kg		2
Potassium	1140	63.3	mg/kg		2
Selenium	BQL	1.27	mg/kg	U	2
Silver	BQL	0.76	mg/kg	U	2
Sodium	69.7	253	mg/kg	J	2
Thallium	BQL	2.53	mg/kg	U	2
Vanadium	18.4	1.27	mg/kg		2
Zinc	28.4	3.8	mg/kg		2

Summary of Analytical Results

Client ID AA1013
GPL ID: 9130-013-04-1/1
Matrix: Soil
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: SW3050B
Prep Date: Oct-06-2000
Prep Time: 12:40
Prep Chemist: Rekha Patel

Analytical Method: SW6010B
Date Analyzed: Oct-09-2000
Time Analyzed 19:02
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	10400	70.8	mg/kg		2
Antimony	BQL	2.13	mg/kg	U	2
Arsenic	6.69	1.77	mg/kg		2
Barium	63.6	1.77	mg/kg		2
Beryllium	0.732	0.354	mg/kg		2
Cadmium	0.673	1.06	mg/kg	J	2
Calcium	15800	177	mg/kg		2
Chromium	20.8	1.77	mg/kg		2
Cobalt	17.6	1.77	mg/kg		2
Copper	29.5	1.77	mg/kg		2
Iron	21900	35.4	mg/kg		2
Lead	31.3	1.06	mg/kg		2
Magnesium	4850	88.5	mg/kg		2
Manganese	331	1.77	mg/kg		2
Nickel	49.9	1.77	mg/kg		2
Potassium	1380	88.5	mg/kg		2
Selenium	BQL	1.77	mg/kg	U	2
Silver	BQL	1.06	mg/kg	U	2
Sodium	168	354	mg/kg	J	2
Thallium	BQL	3.54	mg/kg	U	2
Vanadium	19.7	1.77	mg/kg		2
Zinc	107	5.31	mg/kg		2

Summary of Analytical Results

Client ID AA1014
GPL ID: 9130-014-04-1/1
Matrix: Soil
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: SW3050B
Prep Date: Oct-06-2000
Prep Time: 12:40
Prep Chemist: Rekha Patel

Analytical Method: SW6010B
Date Analyzed: Oct-09-2000
Time Analyzed 19:08
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	9860	64.3	mg/kg		2
Antimony	BQL	1.93	mg/kg	U	2
Arsenic	3.53	1.61	mg/kg		2
Barium	62.3	1.61	mg/kg		2
Beryllium	0.528	0.322	mg/kg		2
Cadmium	0.228	0.965	mg/kg	J	2
Calcium	6300	161	mg/kg		2
Chromium	15.8	1.61	mg/kg		2
Cobalt	7.87	1.61	mg/kg		2
Copper	21.8	1.61	mg/kg		2
Iron	14500	32.2	mg/kg		2
Lead	13.4	0.965	mg/kg		2
Magnesium	3230	80.4	mg/kg		2
Manganese	178	1.61	mg/kg		2
Nickel	24.8	1.61	mg/kg		2
Potassium	1010	80.4	mg/kg		2
Selenium	1.23	1.61	mg/kg	J	2
Silver	BQL	0.965	mg/kg	U	2
Sodium	BQL	322	mg/kg	U	2
Thallium	BQL	3.22	mg/kg	U	2
Vanadium	20.6	1.61	mg/kg		2
Zinc	54.5	4.83	mg/kg		2

Summary of Analytical Results

Client ID AA1015
GPL ID: 9130-015-04-1/1
Matrix: Soil
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: SW3050B
Prep Date: Oct-06-2000
Prep Time: 12:40
Prep Chemist: Rekha Patel

Analytical Method: SW6010B
Date Analyzed: Oct-09-2000
Time Analyzed 19:14
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	10500	62.3	mg/kg		2
Antimony	BQL	1.87	mg/kg	U	2
Arsenic	6.48	1.56	mg/kg		2
Barium	60.5	1.56	mg/kg		2
Beryllium	0.665	0.311	mg/kg		2
Cadmium	0.487	0.934	mg/kg	J	2
Calcium	14500	156	mg/kg		2
Chromium	25.6	1.56	mg/kg		2
Cobalt	13.4	1.56	mg/kg		2
Copper	27.6	1.56	mg/kg		2
Iron	18600	31.1	mg/kg		2
Lead	25.3	0.934	mg/kg		2
Magnesium	4850	77.9	mg/kg		2
Manganese	273	1.56	mg/kg		2
Nickel	39.3	1.56	mg/kg		2
Potassium	1290	77.9	mg/kg		2
Selenium	1.39	1.56	mg/kg	J	2
Silver	BQL	0.934	mg/kg	U	2
Sodium	174	311	mg/kg	J	2
Thallium	BQL	3.12	mg/kg	U	2
Vanadium	20.3	1.56	mg/kg		2
Zinc	115	4.67	mg/kg		2

Summary of Analytical Results

Client ID AA1016
GPL ID: 9130-016-04-1/1
Matrix: Soil
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: SW3050B
Prep Date: Oct-06-2000
Prep Time: 12:40
Prep Chemist: Rekha Patel

Analytical Method: SW6010B
Date Analyzed: Oct-09-2000
Time Analyzed 19:20
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	11400	70.3	mg/kg		2
Antimony	BQL	2.11	mg/kg	U	2
Arsenic	6.67	1.76	mg/kg		2
Barium	68.2	1.76	mg/kg		2
Beryllium	0.695	0.351	mg/kg		2
Cadmium	0.584	1.05	mg/kg	J	2
Calcium	10200	176	mg/kg		2
Chromium	31.8	1.76	mg/kg		2
Cobalt	12.2	1.76	mg/kg		2
Copper	28.7	1.76	mg/kg		2
Iron	20200	35.1	mg/kg		2
Lead	32.4	1.05	mg/kg		2
Magnesium	4210	87.8	mg/kg		2
Manganese	277	1.76	mg/kg		2
Nickel	39.6	1.76	mg/kg		2
Potassium	1400	87.8	mg/kg		2
Selenium	BQL	1.76	mg/kg	U	2
Silver	BQL	1.05	mg/kg	U	2
Sodium	BQL	351	mg/kg	U	2
Thallium	BQL	3.51	mg/kg	U	2
Vanadium	20.6	1.76	mg/kg		2
Zinc	107	5.27	mg/kg		2

Summary of Analytical Results

Client ID AA1017
GPL ID: 9130-017-04-1/1
Matrix: Soil
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: SW3050B
Prep Date: Oct-06-2000
Prep Time: 12:40
Prep Chemist: Rekha Patel

Analytical Method: SW6010B
Date Analyzed: Oct-09-2000
Time Analyzed 19:26
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	9750	56.1	mg/kg		2
Antimony	BQL	1.68	mg/kg	U	2
Arsenic	3.66	1.4	mg/kg		2
Barium	70.0	1.4	mg/kg		2
Beryllium	0.525	0.281	mg/kg		2
Cadmium	0.274	0.842	mg/kg	J	2
Calcium	5360	140	mg/kg		2
Chromium	16.4	1.4	mg/kg		2
Cobalt	7.39	1.4	mg/kg		2
Copper	20.1	1.4	mg/kg		2
Iron	13400	28.1	mg/kg		2
Lead	31.4	0.842	mg/kg		2
Magnesium	2680	70.2	mg/kg		2
Manganese	144	1.4	mg/kg		2
Nickel	21.1	1.4	mg/kg		2
Potassium	860	70.2	mg/kg		2
Selenium	BQL	1.4	mg/kg	U	2
Silver	BQL	0.842	mg/kg	U	2
Sodium	132	281	mg/kg	J	2
Thallium	BQL	2.81	mg/kg	U	2
Vanadium	20.1	1.4	mg/kg		2
Zinc	56.0	4.21	mg/kg		2

Summary of Analytical Results

Client ID AA2002
GPL ID: 9130-020-06-1
Matrix: Water
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: SW7470A_DIG
Prep Date: Oct-06-2000
Prep Time: 14:00
Prep Chemist: Kelvin Choi

Analytical Method: SW7470A
Date Analyzed: Oct-09-2000
Time Analyzed 11:54
Analyst: Kelvin Choi

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	BQL	0.2	ug/L	U	1

Summary of Analytical Results

Client ID AA2003	**Prep Method: SW7470A_DIG**	**Analytical Method: SW7470A**
GPL ID: 9130-021-06-1	**Prep Date: Oct-06-2000**	**Date Analyzed: Oct-09-2000**
Matrix: Water	**Prep Time: 14:00**	**Time Analyzed 11:56**
Date Collected: Sep-20-2000	**Prep Chemist: Kelvin Choi**	**Analyst: Kelvin Choi**
Date Received: Sep-22-2000		

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	BQL	0.2	ug/L	U	1

Summary of Analytical Results

Client ID AA2004
GPL ID: 9130-022-06-1
Matrix: Water
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: SW7470A_DIG
Prep Date: Oct-06-2000
Prep Time: 14:00
Prep Chemist: Kelvin Choi

Analytical Method: SW7470A
Date Analyzed: Oct-09-2000
Time Analyzed 12:04
Analyst: Kelvin Choi

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	BQL	0.2	ug/L	U	1

Summary of Analytical Results

Client ID AA2005
GPL ID: 9130-023-06-1
Matrix: Water
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: SW7470A_DIG
Prep Date: Oct-06-2000
Prep Time: 14:00
Prep Chemist: Kelvin Choi

Analytical Method: SW7470A
Date Analyzed: Oct-09-2000
Time Analyzed 12:07
Analyst: Kelvin Choi

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	BQL	0.2	ug/L	U	1

Summary of Analytical Results

Client ID AA2006
GPL ID: 9130-024-06-1
Matrix: Water
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: SW7470A_DIG
Prep Date: Oct-06-2000
Prep Time: 14:00
Prep Chemist: Kelvin Choi

Analytical Method: SW7470A
Date Analyzed: Oct-09-2000
Time Analyzed 12:09
Analyst: Kelvin Choi

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	BQL	0.2	ug/L	U	1

Summary of Analytical Results

Client ID AA2007
GPL ID: 9130-025-06-1
Matrix: Water
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: SW7470A_DIG
Prep Date: Oct-06-2000
Prep Time: 14:00
Prep Chemist: Kelvin Choi

Analytical Method: SW7470A
Date Analyzed: Oct-09-2000
Time Analyzed 12:17
Analyst: Kelvin Choi

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	BQL	0.2	ug/L	U	1

Summary of Analytical Results

Client ID AA2009
GPL ID: 9130-026-06-1
Matrix: Water
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: SW7470A_DIG
Prep Date: Oct-06-2000
Prep Time: 14:00
Prep Chemist: Kelvin Choi

Analytical Method: SW7470A
Date Analyzed: Oct-09-2000
Time Analyzed 12:20
Analyst: Kelvin Choi

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	BQL	0.2	ug/L	U	1

Summary of Analytical Results

Client ID AA2010
GPL ID: 9130-027-06-1
Matrix: Water
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: SW7470A_DIG
Prep Date: Oct-06-2000
Prep Time: 14:00
Prep Chemist: Kelvin Choi

Analytical Method: SW7470A
Date Analyzed: Oct-09-2000
Time Analyzed 12:22
Analyst: Kelvin Choi

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	BQL	0.2	ug/L	U	1

Summary of Analytical Results

Client ID AA2011
GPL ID: 9130-028-06-1
Matrix: Water
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: SW7470A_DIG
Prep Date: Oct-06-2000
Prep Time: 14:00
Prep Chemist: Kelvin Choi

Analytical Method: SW7470A
Date Analyzed: Oct-09-2000
Time Analyzed 12:25
Analyst: Kelvin Choi

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	BQL	0.2	ug/L	U	1

Summary of Analytical Results

Client ID AA1002
GPL ID: 9130-002-04-1/1
Matrix: Soil
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: SW7471_DIG
Prep Date: Oct-10-2000
Prep Time: 13:00
Prep Chemist: Kelvin Choi

Analytical Method: SW7471A
Date Analyzed: Oct-11-2000
Time Analyzed 12:26
Analyst: Kelvin Choi

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	BQL	0.041	mg/kg	U	1

Summary of Analytical Results

Client ID AA1003
GPL ID: 9130-003-04-1/1
Matrix: Soil
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: SW7471_DIG
Prep Date: Oct-10-2000
Prep Time: 13:00
Prep Chemist: Kelvin Choi

Analytical Method: SW7471A
Date Analyzed: Oct-11-2000
Time Analyzed 12:29
Analyst: Kelvin Choi

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	0.035	0.042	mg/kg	J	1

Summary of Analytical Results

Client ID AA1004
GPL ID: 9130-004-04-1/1
Matrix: Soil
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: SW7471_DIG
Prep Date: Oct-10-2000
Prep Time: 13:00
Prep Chemist: Kelvin Choi

Analytical Method: SW7471A
Date Analyzed: Oct-11-2000
Time Analyzed 12:31
Analyst: Kelvin Choi

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	0.025	0.043	mg/kg	J	1

Summary of Analytical Results

Client ID AA1005
GPL ID: 9130-007-04-1/1
Matrix: Soil
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: SW7471_DIG
Prep Date: Oct-10-2000
Prep Time: 13:00
Prep Chemist: Kelvin Choi

Analytical Method: SW7471A
Date Analyzed: Oct-11-2000
Time Analyzed 12:39
Analyst: Kelvin Choi

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	0.050	0.043	mg/kg		1

Summary of Analytical Results

Client ID AA1006
GPL ID: 9130-008-04-1/1
Matrix: Soil
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: SW7471_DIG
Prep Date: Oct-10-2000
Prep Time: 13:00
Prep Chemist: Kelvin Choi

Analytical Method: SW7471A
Date Analyzed: Oct-11-2000
Time Analyzed 12:47
Analyst: Kelvin Choi

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	BQL	0.042	mg/kg	U	1

Summary of Analytical Results

Client ID AA1007	**Prep Method: SW7471_DIG**	**Analytical Method: SW7471A**
GPL ID: 9130-009-04-1/1	**Prep Date: Oct-10-2000**	**Date Analyzed: Oct-11-2000**
Matrix: Soil	**Prep Time: 13:00**	**Time Analyzed 12:50**
Date Collected: Sep-20-2000	**Prep Chemist: Kelvin Choi**	**Analyst: Kelvin Choi**
Date Received: Sep-22-2000		

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	BQL	0.041	mg/kg	U	1

Summary of Analytical Results

Client ID AA1009	Prep Method: SW7471_DIG	Analytical Method: SW7471A
GPL ID: 9130-010-04-1/1	Prep Date: Oct-10-2000	Date Analyzed: Oct-11-2000
Matrix: Soil	Prep Time: 13:00	Time Analyzed 12:53
Date Collected: Sep-20-2000	Prep Chemist: Kelvin Choi	Analyst: Kelvin Choi
Date Received: Sep-22-2000		

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	BQL	0.047	mg/kg	U	1

Summary of Analytical Results

Client ID AA1010
GPL ID: 9130-011-04-1/1
Matrix: Soil
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: SW7471_DIG
Prep Date: Oct-10-2000
Prep Time: 13:00
Prep Chemist: Kelvin Choi

Analytical Method: SW7471A
Date Analyzed: Oct-11-2000
Time Analyzed 12:55
Analyst: Kelvin Choi

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	BQL	0.042	mg/kg	U	1

Summary of Analytical Results

Client ID AA1011
GPL ID: 9130-012-04-1/1
Matrix: Soil
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: SW7471_DIG
Prep Date: Oct-10-2000
Prep Time: 13:00
Prep Chemist: Kelvin Choi

Analytical Method: SW7471A
Date Analyzed: Oct-11-2000
Time Analyzed 12:58
Analyst: Kelvin Choi

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	0.022	0.044	mg/kg	J	1

Summary of Analytical Results

Client ID AA1013
GPL ID: 9130-013-04-1/1
Matrix: Soil
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: SW7471_DIG
Prep Date: Oct-10-2000
Prep Time: 13:00
Prep Chemist: Kelvin Choi

Analytical Method: SW7471A
Date Analyzed: Oct-11-2000
Time Analyzed 13:01
Analyst: Kelvin Choi

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	0.117	0.053	mg/kg		1

Summary of Analytical Results

Client ID AA1014
GPL ID: 9130-014-04-1/1
Matrix: Soil
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: SW7471_DIG
Prep Date: Oct-10-2000
Prep Time: 13:00
Prep Chemist: Kelvin Choi

Analytical Method: SW7471A
Date Analyzed: Oct-11-2000
Time Analyzed 13:03
Analyst: Kelvin Choi

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	0.037	0.05	mg/kg	J	1

Summary of Analytical Results

Client ID AA1015
GPL ID: 9130-015-04-1/1
Matrix: Soil
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: SW7471_DIG
Prep Date: Oct-10-2000
Prep Time: 13:00
Prep Chemist: Kelvin Choi

Analytical Method: SW7471A
Date Analyzed: Oct-11-2000
Time Analyzed 13:06
Analyst: Kelvin Choi

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	0.087	0.052	mg/kg		1

Summary of Analytical Results

Client ID AA1016
GPL ID: 9130-016-04-1/1
Matrix: Soil
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: SW7471_DIG
Prep Date: Oct-10-2000
Prep Time: 13:00
Prep Chemist: Kelvin Choi

Analytical Method: SW7471A
Date Analyzed: Oct-11-2000
Time Analyzed 13:09
Analyst: Kelvin Choi

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	0.097	0.057	mg/kg		1

Summary of Analytical Results

Client ID AA1017
GPL ID: 9130-017-04-1/1
Matrix: Soil
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: SW7471_DIG
Prep Date: Oct-10-2000
Prep Time: 13:00
Prep Chemist: Kelvin Choi

Analytical Method: SW7471A
Date Analyzed: Oct-11-2000
Time Analyzed 13:11
Analyst: Kelvin Choi

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	0.044	0.045	mg/kg	J	1

TOTAL METALS

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BLANKS

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 09130W

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Aluminum	23.1	U	23.1	U	23.1	U	23.1	U	23.100	U	P
Antimony	3.7	U	3.7	U	3.7	U	3.7	U	3.700	U	P
Arsenic	3.2	U	3.2	U	3.2	U	-3.3	B	3.200	U	P
Barium	0.6	U	0.6	U	0.6	U	0.6	U	0.615	B	P
Beryllium	0.1	U	0.1	U	0.1	U	0.1	U	0.100	U	P
Cadmium	0.4	U	0.4	U	0.4	U	0.4	U	0.692	B	P
Calcium	104.0	U	104.0	U	104.0	U	104.0	U	113.114	B	P
Chromium	1.6	B	0.8	U	0.8	U	0.8	U	0.824	B	P
Cobalt	0.9	U	0.9	U	0.9	U	0.9	U	0.900	U	P
Copper	1.2	U	1.2	U	1.2	U	1.2	U	1.200	U	P
Iron	15.0	U	15.0	U	15.0	U	16.2	B	75.142	B	P
Lead	1.5	U	1.5	U	1.5	U	1.5	U	1.500	U	P
Magnesium	22.4	U	22.4	U	22.4	U	30.1	B	34.625	B	P
Manganese	0.4	U	0.4	U	0.4	U	0.4	U	0.866	B	P
Mercury	0.1	U	0.1	U	0.1	U	0.1	U	0.100	U	CV
Nickel	2.5	B	2.0	U	2.0	U	2.0	U	2.000	U	P
Potassium	9.1	U	9.1	U	9.1	U	9.1	U	24.052	B	P
Selenium	2.3	U	2.3	U	2.7	B	3.8	B	2.300	U	P
Silver	0.7	U	0.9	B	0.7	B	0.7	U	0.700	U	P
Sodium	198.0	U	198.0	U	198.0	U	198.0	U	198.000	U	P
Thallium	5.5	U	5.5	U	5.5	U	5.5	U	5.500	U	P
Vanadium	0.9	U	0.9	U	0.9	U	0.9	U	0.900	U	P
Zinc	4.0	U	4.0	U	4.0	U	4.0	U	4.000	U	P

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TOTAL METALS

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BLANKS

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 09130W

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Aluminum			83.2	B	64.2	B					P
Antimony			3.7	U	3.7	U					P
Arsenic			3.2	U	3.2	U					P
Barium			0.6	U	0.6	U					P
Beryllium			0.1	U	0.1	U					P
Cadmium			0.4	U	0.4	U					P
Calcium			104.0	U	104.0	U					P
Chromium			0.8	U	0.8	U					P
Cobalt			0.9	U	0.9	U					P
Copper			1.2	U	1.2	U					P
Iron			15.0	U	15.0	U					P
Lead			1.5	U	1.5	U					P
Magnesium			22.4	U	22.4	U					P
Manganese			0.4	U	0.4	U					P
Mercury			0.1	U	0.1	U	0.1	U			CV
Nickel			2.0	U	2.0	U					P
Potassium			9.1	U	9.1	U					P
Selenium			2.3	U	2.3	U					P
Silver			0.7	U	0.7	U					P
Sodium			-390.6	B	-283.7	B					P
Thallium			5.5	U	5.5	U					P
Vanadium			0.9	U	0.9	U					P
Zinc			4.0	U	4.0	U					P

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TOTAL METALS
-5A-
SPIKE SAMPLE RECOVERY

SAMPLE NO.

AA2006S

Contract:

Lab Code: Case No.: SAS SDG NO.: 09130W

Matrix (soil/water): WATER Level (low/med): LOW

% Solids for Sample: 0.0

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

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum	75 - 125	2195.7505		101.3991	B	2000.00	104.7		P
Antimony	75 - 125	101.5677		3.7000	U	100.00	101.6		P
Arsenic	75 - 125	39.9854		3.2000	U	40.00	100.0		P
Barium	75 - 125	2036.9749		24.1568		2000.00	100.6		P
Beryllium	75 - 125	50.5849		0.1086	B	50.00	101.0		P
Cadmium	75 - 125	50.5072		0.4000	U	50.00	101.0		P
Calcium		39945.3203		35711.6016		5000.00	84.7		P
Chromium	75 - 125	202.9506		4.4869	B	200.00	99.2		P
Cobalt	75 - 125	500.3615		0.9000	U	500.00	100.1		P
Copper	75 - 125	256.0916		6.6257		250.00	99.8		P
Iron	75 - 125	1132.3477		687.3127		1000.00	44.5	N	P
Lead	75 - 125	20.9643		2.5510	B	20.00	92.1		P
Magnesium	75 - 125	13791.0449		8970.9590		5000.00	96.4		P
Manganese	75 - 125	539.0380		48.5713		500.00	98.1		P
Mercury	75 - 125	1.0400		0.1000	U	1.00	104.0		CV
Nickel	75 - 125	504.7438		2.0000	U	500.00	100.9		P
Potassium	75 - 125	2922.0513		1998.3184		1000.00	92.4		P
Selenium	75 - 125	9.4180		2.3000	U	10.00	94.2		P
Silver	75 - 125	51.2064		0.7000	U	50.00	102.4		P
Sodium	75 - 125	14769.2979		10090.8076		5000.00	93.6		P
Thallium	75 - 125	49.3785		5.5000	U	50.00	98.8		P
Vanadium	75 - 125	513.0811		0.9000	U	500.00	102.6		P
Zinc	75 - 125	499.5120		4.0000	U	500.00	99.9		P

Comments:

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TOTAL METALS

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DUPLICATES

SAMPLE NO.

AA2006D

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 09130W

Matrix (soil/water): WATER Level (low/med): LOW

% Solids for Sample: 0.0 % Solids for Duplicate:

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

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum		101.3991	B	99.7412	B	1.6		P
Antimony		3.7000	U	3.7000	U			P
Arsenic		3.2000	U	3.2000	U			P
Barium	5.0	24.1568		24.3129		0.6		P
Beryllium		0.1086	B	0.1000	U	200.0		P
Cadmium		0.4000	U	0.4000	U			P
Calcium		35711.6016		35677.7734		0.1		P
Chromium		4.4869	B	4.1796	B	7.1		P
Cobalt		0.9000	U	0.9000	U			P
Copper	5.0	6.6257		2.8284	B	80.3		P
Iron	100.0	687.3127		446.9968		42.4	*	P
Lead		2.5510	B	1.5000	U	200.0		P
Magnesium		8970.9590		8983.5684		0.1		P
Manganese		48.5713		46.5320		4.3		P
Mercury		0.1000	U	0.1000	U			CV
Nickel		2.0000	U	2.0000	U			P
Potassium		1998.3184		2038.1057		2.0		P
Selenium		2.3000	U	2.3000	U			P
Silver		0.7000	U	0.7000	U			P
Sodium		10090.8076		10108.7461		0.2		P
Thallium		5.5000	U	5.5000	U			P
Vanadium		0.9000	U	0.9000	U			P
Zinc		4.0000	U	4.0000	U			P

0 5021

TOTAL METALS
-7-
LABORATORY CONTROL SAMPLE

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 09130W

Solid LCS Source:

Aqueous LCS Source: HIGH PURITY

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Aluminum	5000.0	5166.63	103.3						
Antimony	400.0	406.98	101.7						
Arsenic	400.0	394.64	98.7						
Barium	400.0	400.88	100.2						
Beryllium	40.0	39.54	98.8						
Cadmium	40.0	40.06	100.2						
Calcium	5000.0	5096.64	101.9						
Chromium	400.0	400.70	100.2						
Cobalt	400.0	395.61	98.9						
Copper	400.0	403.81	101.0						
Iron	5000.0	5111.27	102.2						
Lead	400.0	398.76	99.7						
Magnesium	5000.0	4881.57	97.6						
Manganese	400.0	399.14	99.8						
Mercury	1.0	0.99	99.0						
Nickel	400.0	397.79	99.4						
Potassium	5000.0	5359.01	107.2						
Selenium	400.0	387.60	96.9						
Silver	40.0	41.11	102.8						
Sodium	10000.0	9955.93	99.6						
Thallium	400.0	394.32	98.6						
Vanadium	400.0	403.83	101.0						
Zinc	400.0	393.72	98.4						

0 5022

TOTAL METALS

-3-

BLANKS

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 09130S

Preparation Blank Matrix (soil/water): SOIL

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Aluminum	55.2	U	55.2	U	55.2	U	55.2	U	13.749	B	P
Antimony	2.7	U	2.7	U	2.7	U	2.7	U	0.270	U	P
Arsenic	4.0	U	4.0	U	4.0	U	4.0	U	0.400	U	P
Barium	0.5	U	0.5	U	0.5	U	0.5	U	0.086	B	P
Beryllium	0.1	U	0.1	U	0.1	U	0.1	U	0.012	B	P
Cadmium	0.4	U	0.4	U	0.4	U	0.4	U	0.040	U	P
Calcium	140.0	U	140.0	U	140.0	U	140.0	U	20.323	B	P
Chromium	1.6	B	0.6	U	0.6	U	0.6	U	0.091	B	P
Cobalt	1.3	U	1.3	U	1.3	U	1.3	U	0.130	U	P
Copper	1.0	U	1.0	U	1.0	U	1.0	U	0.100	U	P
Iron	17.7	U	17.7	U	17.7	U	17.7	U	1.775	B	P
Lead	1.3	U	1.3	U	1.3	U	1.3	U	0.130	U	P
Magnesium	6.0	U	12.6	B	19.6	B	30.1	B	1.584	B	P
Manganese	0.3	B	0.2	U	0.3	B	0.2	B	0.092	B	P
Mercury	0.1	U	0.1	U	0.1	U	0.1	U	0.017	U	CV
Nickel	2.5	B	1.1	B	1.0	U	1.0	U	0.152	B	P
Potassium	11.9	U	11.9	U	11.9	U	11.9	U	4.219	B	P
Selenium	3.3	U	3.3	U	3.3	U	3.8	B	0.330	U	P
Silver	1.8	U	1.8	U	1.8	U	1.8	U	0.180	U	P
Sodium	250.0	U	250.0	U	250.0	U	250.0	U	25.000	U	P
Thallium	5.0	U	5.0	U	5.0	U	5.0	U	0.500	U	P
Vanadium	1.1	U	1.1	U	1.1	U	1.1	U	0.110	U	P
Zinc	4.2	U	4.2	U	4.2	U	4.2	U	0.777	B	P

TOTAL METALS

-3-

BLANKS

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 09130S

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Aluminum			83.2	B	64.2	B	55.2	U			P
Antimony			2.7	U	2.7	U	2.7	U			P
Arsenic			4.0	U	4.0	U	4.0	U			P
Barium			0.5	U	0.5	U	0.5	U			P
Beryllium			0.1	U	0.1	U	0.1	U			P
Cadmium			0.4	U	0.4	U	0.4	U			P
Calcium			140.0	U	140.0	U	140.0	U			P
Chromium			0.6	U	0.6	U	0.6	U			P
Cobalt			1.3	U	1.3	U	1.3	U			P
Copper			1.0	U	1.0	U	1.0	U			P
Iron			17.7	U	17.7	U	17.7	U			P
Lead			1.3	U	1.3	U	1.3	U			P
Magnesium			21.5	B	12.7	B	6.2	B			P
Manganese			0.2	U	0.2	U	0.2	U			P
Mercury			0.1	U	0.1	U					CV
Nickel			1.0	U	1.2	B	1.0	U			P
Potassium			11.9	U	11.9	U	11.9	U			P
Selenium			3.3	U	3.3	U	3.3	U			P
Silver			1.8	U	1.8	U	1.8	U			P
Sodium			-390.6	B	-283.7	B	250.0	U			P
Thallium			5.0	U	5.0	U	5.0	U			P
Vanadium			1.1	U	1.1	U	1.1	U			P
Zinc			4.2	U	4.2	U	4.2	U			P

0 5059

TOTAL METALS

-3-

BLANKS

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 09130S

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Aluminum			55.2	U							P
Antimony			2.7	U							P
Arsenic			4.0	U							P
Barium			0.5	U							P
Beryllium			0.1	U							P
Cadmium			0.4	U							P
Calcium			140.0	U							P
Chromium			0.6	U							P
Cobalt			1.3	U							P
Copper			1.2	B							P
Iron			17.7	U							P
Lead			1.3	U							P
Magnesium			28.3	B							P
Manganese			0.2	U							P
Nickel			1.0	U							P
Potassium			11.9	U							P
Selenium			3.3	U							P
Silver			1.8	U							P
Sodium			250.0	U							P
Thallium			5.0	U							P
Vanadium			1.1	U							P
Zinc			4.2	U							P

TOTAL METALS
-5A-
SPIKE SAMPLE RECOVERY

SAMPLE NO.

AA1004S

Contract:

Lab Code: Case No.: SAS SDG NO.: 09130S

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 76.9

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

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum		10542.7084		7721.4041		500.15	564.1		P
Antimony	75 - 125	8.1044		0.6818	U	25.01	32.4	N	P
Arsenic	75 - 125	10.8682		2.0837		10.00	87.8		P
Barium	75 - 125	519.1850		18.5963		500.15	100.1		P
Beryllium	75 - 125	12.8805		0.4521		12.50	99.4		P
Cadmium	75 - 125	12.2410		0.1010	U	12.50	97.9		P
Calcium	75 - 125	5493.8091		4077.5710		1250.38	113.3		P
Chromium	75 - 125	65.2728		12.7748		50.02	105.0		P
Cobalt	75 - 125	127.4331		4.2622		125.04	98.5		P
Copper	75 - 125	68.7639		5.3731		62.52	101.4		P
Iron		11130.5752		11652.1037		250.08	-208.5		P
Lead	75 - 125	10.3145		5.8007		5.00	90.2		P
Magnesium	75 - 125	3390.6619		1951.4104		1250.38	115.1		P
Manganese	75 - 125	224.2808		97.4823		125.04	101.4		P
Mercury	75 - 125	0.6139		0.0253	B	0.56	105.5		CV
Nickel	75 - 125	138.3777		12.5433		125.04	100.6		P
Potassium		1929.2957		1141.7669		250.08	314.9		P
Selenium	75 - 125	2.9298		0.8333	U	2.50	117.2		P
Silver	75 - 125	12.4496		0.4545	U	12.50	99.6		P
Sodium	75 - 125	1326.4696		107.8938	B	1250.38	97.5		P
Thallium	75 - 125	11.7320		1.2625	U	12.50	93.8		P
Vanadium	75 - 125	144.6967		18.0837		125.04	101.3		P
Zinc	75 - 125	150.8275		27.4526		125.04	98.7		P

Comments:

0 5062

TOTAL METALS

-6-

DUPLICATES

SAMPLE NO.

AA1004D

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 09130S

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 76.9 % Solids for Duplicate: 76.9

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

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum		7721.4041		7381.8290		4.5		P
Antimony		0.6818	U	0.6688	U			P
Arsenic	1.2	2.0837		1.0105	B	69.4		P
Barium		18.5963		17.3570		6.9		P
Beryllium	0.2	0.4521		0.4111		9.5		P
Cadmium		0.1010	U	0.0991	U			P
Calcium		4077.5710		3872.5819		5.2		P
Chromium		12.7748		12.5908		1.5		P
Cobalt	1.2	4.2622		4.0435		5.3		P
Copper	1.2	5.3731		5.0675		5.9		P
Iron		11652.1037		10851.7157		7.1		P
Lead		5.8007		4.7993		18.9		P
Magnesium		1951.4104		1908.2660		2.2		P
Manganese		97.4823		90.7554		7.1		P
Mercury		0.0253	B	0.0225	B	11.8		CV
Nickel		12.5433		12.4651		0.6		P
Potassium		1141.7669		1008.5289		12.4		P
Selenium		0.8333	U	0.8174	U			P
Silver		0.4545	U	0.4458	U			P
Sodium		107.8938	B	71.3039	B	40.8		P
Thallium		1.2625	U	1.2385	U			P
Vanadium		18.0837		15.9075		12.8		P
Zinc		27.4526		25.8514		6.0		P

0 5064

TOTAL METALS

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LABORATORY CONTROL SAMPLE

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 09130S

Solid LCS Source: HIGH PURITY

Aqueous LCS Source:

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Aluminum				500.0	504.7		400.0	600.0	100.9
Antimony				40.0	38.8		32.0	48.0	96.9
Arsenic				40.0	38.5		32.0	48.0	96.2
Barium				40.0	39.2		32.0	48.0	97.9
Beryllium				4.0	3.8		3.2	4.8	95.3
Cadmium				4.0	4.1		3.2	4.8	102.5
Calcium				500.0	509.4		400.0	600.0	101.9
Chromium				40.0	39.1		32.0	48.0	97.7
Cobalt				40.0	38.1		32.0	48.0	95.3
Copper				40.0	38.7		32.0	48.0	96.7
Iron				500.0	487.8		400.0	600.0	97.6
Lead				40.0	38.1		32.0	48.0	95.2
Magnesium				500.0	472.4		400.0	600.0	94.5
Manganese				40.0	38.2		32.0	48.0	95.5
Mercury				0.5	0.5		0.4	0.6	106.3
Nickel				40.0	38.9		32.0	48.0	97.3
Potassium				500.0	501.1		400.0	600.0	100.2
Selenium				40.0	36.0		32.0	48.0	90.0
Silver				4.0	3.9		3.2	4.8	98.1
Sodium				1000.0	936.7		800.0	1200.0	93.7
Thallium				40.0	36.8		32.0	48.0	92.1
Vanadium				40.0	39.0		32.0	48.0	97.6
Zinc				40.0	39.3		32.0	48.0	98.2

0 5065

Summary of Analytical Results

Client ID AA2002
GPL ID: 9130-020-09-1/2
Matrix: Water
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: SW3520C
Prep Date: Sep-27-2000
Prep Time: 12:08
Prep Chemist: Veena Telhan

Analytical Method: SW8082
Date Analyzed: Oct-06-2000
Time Analyzed 20:20
Analyst: Philipos Yosief

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	1.15	ug/L	U	1
PCB-1221	BQL	1.15	ug/L	U	1
PCB-1232	BQL	1.15	ug/L	U	1
PCB-1242	BQL	1.15	ug/L	U	1
PCB-1248	BQL	1.15	ug/L	U	1
PCB-1254	BQL	1.15	ug/L	U	1
PCB-1260	BQL	2.3	ug/L	U	1

Summary of Analytical Results

Client ID AA2003
GPL ID: 9130-021-09-1/2
Matrix: Water
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: SW3520C
Prep Date: Sep-27-2000
Prep Time: 12:08
Prep Chemist: Veena Telhan

Analytical Method: SW8082
Date Analyzed: Oct-06-2000
Time Analyzed 20:48
Analyst: Philipos Yosief

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	1.18	ug/L	U	1
PCB-1221	BQL	1.18	ug/L	U	1
PCB-1232	BQL	1.18	ug/L	U	1
PCB-1242	BQL	1.18	ug/L	U	1
PCB-1248	BQL	1.18	ug/L	U	1
PCB-1254	BQL	1.18	ug/L	U	1
PCB-1260	BQL	2.35	ug/L	U	1

Summary of Analytical Results

Client ID AA2004
GPL ID: 9130-022-09-1/2
Matrix: Water
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: SW3520C
Prep Date: Sep-27-2000
Prep Time: 12:08
Prep Chemist: Veena Telhan

Analytical Method: SW8082
Date Analyzed: Oct-06-2000
Time Analyzed 21:15
Analyst: Philipos Yosief

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	1.09	ug/L	U	1
PCB-1221	BQL	1.09	ug/L	U	1
PCB-1232	BQL	1.09	ug/L	U	1
PCB-1242	BQL	1.09	ug/L	U	1
PCB-1248	BQL	1.09	ug/L	U	1
PCB-1254	BQL	1.09	ug/L	U	1
PCB-1260	BQL	2.17	ug/L	U	1

Summary of Analytical Results

Client ID AA2005
GPL ID: 9130-023-09-1/2
Matrix: Water
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: SW3520C
Prep Date: Sep-27-2000
Prep Time: 12:08
Prep Chemist: Veena Telhan

Analytical Method: SW8082
Date Analyzed: Oct-06-2000
Time Analyzed 21:42
Analyst: Philipos Yosief

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	1.08	ug/L	U	1
PCB-1221	BQL	1.08	ug/L	U	1
PCB-1232	BQL	1.08	ug/L	U	1
PCB-1242	BQL	1.08	ug/L	U	1
PCB-1248	BQL	1.08	ug/L	U	1
PCB-1254	BQL	1.08	ug/L	U	1
PCB-1260	BQL	2.15	ug/L	U	1

Summary of Analytical Results

Client ID AA2006
GPL ID: 9130-024-09-1/1
Matrix: Water
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: SW3520C
Prep Date: Sep-27-2000
Prep Time: 12:08
Prep Chemist: Veena Telhan

Analytical Method: SW8082
Date Analyzed: Oct-06-2000
Time Analyzed 22:10
Analyst: Philipos Yosief

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	1.1	ug/L	U	1
PCB-1221	BQL	1.1	ug/L	U	1
PCB-1232	BQL	1.1	ug/L	U	1
PCB-1242	BQL	1.1	ug/L	U	1
PCB-1248	BQL	1.1	ug/L	U	1
PCB-1254	BQL	1.1	ug/L	U	1
PCB-1260	BQL	2.2	ug/L	U	1

Summary of Analytical Results

Client ID AA2007
GPL ID: 9130-025-09-1/2
Matrix: Water
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: SW3520C
Prep Date: Sep-27-2000
Prep Time: 12:08
Prep Chemist: Veena Telhan

Analytical Method: SW8082
Date Analyzed: Oct-07-2000
Time Analyzed 00:26
Analyst: Philipos Yosief

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	1.11	ug/L	U	1
PCB-1221	BQL	1.11	ug/L	U	1
PCB-1232	BQL	1.11	ug/L	U	1
PCB-1242	BQL	1.11	ug/L	U	1
PCB-1248	BQL	1.11	ug/L	U	1
PCB-1254	BQL	1.11	ug/L	U	1
PCB-1260	BQL	2.22	ug/L	U	1

Summary of Analytical Results

Client ID AA2009
GPL ID: 9130-026-09-1/2
Matrix: Water
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: SW3520C
Prep Date: Sep-27-2000
Prep Time: 12:08
Prep Chemist: Veena Telhan

Analytical Method: SW8082
Date Analyzed: Oct-07-2000
Time Analyzed 00:54
Analyst: Philipos Yosief

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	1.1	ug/L	U	1
PCB-1221	BQL	1.1	ug/L	U	1
PCB-1232	BQL	1.1	ug/L	U	1
PCB-1242	BQL	1.1	ug/L	U	1
PCB-1248	BQL	1.1	ug/L	U	1
PCB-1254	BQL	1.1	ug/L	U	1
PCB-1260	BQL	2.2	ug/L	U	1

Summary of Analytical Results

Client ID AA2010
GPL ID: 9130-027-09-1/2
Matrix: Water
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: SW3520C
Prep Date: Sep-27-2000
Prep Time: 12:08
Prep Chemist: Veena Telhan

Analytical Method: SW8082
Date Analyzed: Oct-07-2000
Time Analyzed 01:21
Analyst: Philipos Yosief

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	1.06	ug/L	U	1
PCB-1221	BQL	1.06	ug/L	U	1
PCB-1232	BQL	1.06	ug/L	U	1
PCB-1242	BQL	1.06	ug/L	U	1
PCB-1248	BQL	1.06	ug/L	U	1
PCB-1254	BQL	1.06	ug/L	U	1
PCB-1260	BQL	2.13	ug/L	U	1

Summary of Analytical Results

Client ID AA2011
GPL ID: 9130-028-09-1/2
Matrix: Water
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: SW3520C
Prep Date: Sep-27-2000
Prep Time: 12:08
Prep Chemist: Veena Telhan

Analytical Method: SW8082
Date Analyzed: Oct-07-2000
Time Analyzed 01:48
Analyst: Philipos Yosief

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	1	ug/L	U	1
PCB-1221	BQL	1	ug/L	U	1
PCB-1232	BQL	1	ug/L	U	1
PCB-1242	BQL	1	ug/L	U	1
PCB-1248	BQL	1	ug/L	U	1
PCB-1254	BQL	1	ug/L	U	1
PCB-1260	BQL	2	ug/L	U	1

Summary of Analytical Results

Client ID AA1002
GPL ID: 9130-002-03-1/1
Matrix: Soil
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: SW3550
Prep Date: Sep-26-2000
Prep Time: 14:15
Prep Chemist: Saeid Soleimani

Analytical Method: SW8082
Date Analyzed: Sep-30-2000
Time Analyzed 06:40
Analyst: Philipos Yosief

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	42.3	ug/kg	U	1
PCB-1221	BQL	42.3	ug/kg	U	1
PCB-1232	BQL	42.3	ug/kg	U	1
PCB-1242	BQL	42.3	ug/kg	U	1
PCB-1248	BQL	42.3	ug/kg	U	1
PCB-1254	BQL	42.3	ug/kg	U	1
PCB-1260	BQL	84.7	ug/kg	U	1

Summary of Analytical Results

Client ID AA1003
GPL ID: 9130-003-03-1/1
Matrix: Soil
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: SW3550
Prep Date: Sep-26-2000
Prep Time: 14:15
Prep Chemist: Saeid Soleimani

Analytical Method: SW8082
Date Analyzed: Sep-30-2000
Time Analyzed 07:07
Analyst: Philipos Yosief

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	42.1	ug/kg	U	1
PCB-1221	BQL	42.1	ug/kg	U	1
PCB-1232	BQL	42.1	ug/kg	U	1
PCB-1242	BQL	42.1	ug/kg	U	1
PCB-1248	BQL	42.1	ug/kg	U	1
PCB-1254	BQL	42.1	ug/kg	U	1
PCB-1260	121	84.2	ug/kg		1

Summary of Analytical Results

Client ID AA1004
GPL ID: 9130-004-03-1/1
Matrix: Soil
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: SW3550
Prep Date: Sep-26-2000
Prep Time: 14:15
Prep Chemist: Saeid Soleimani

Analytical Method: SW8082
Date Analyzed: Sep-30-2000
Time Analyzed 07:34
Analyst: Philipos Yosief

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	43.4	ug/kg	U	1
PCB-1221	BQL	43.4	ug/kg	U	1
PCB-1232	BQL	43.4	ug/kg	U	1
PCB-1242	BQL	43.4	ug/kg	U	1
PCB-1248	BQL	43.4	ug/kg	U	1
PCB-1254	BQL	43.4	ug/kg	U	1
PCB-1260	BQL	86.7	ug/kg	U	1

Summary of Analytical Results

Client ID AA1005
GPL ID: 9130-007-03-1/1
Matrix: Soil
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: SW3550
Prep Date: Sep-26-2000
Prep Time: 14:15
Prep Chemist: Saeid Soleimani

Analytical Method: SW8082
Date Analyzed: Oct-11-2000
Time Analyzed 16:10
Analyst: Philipos Yosief

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	92.8	ug/kg	U	2
PCB-1221	BQL	92.8	ug/kg	U	2
PCB-1232	BQL	92.8	ug/kg	U	2
PCB-1242	BQL	92.8	ug/kg	U	2
PCB-1248	BQL	92.8	ug/kg	U	2
PCB-1254	BQL	92.8	ug/kg	U	2
PCB-1260	731	186	ug/kg		2

Summary of Analytical Results

Client ID AA1006
GPL ID: 9130-008-03-1/1
Matrix: Soil
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: SW3550
Prep Date: Sep-26-2000
Prep Time: 14:15
Prep Chemist: Saeid Soleimani

Analytical Method: SW8082
Date Analyzed: Sep-30-2000
Time Analyzed 10:18
Analyst: Philipos Yosief

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	43.3	ug/kg	U	1
PCB-1221	BQL	43.3	ug/kg	U	1
PCB-1232	BQL	43.3	ug/kg	U	1
PCB-1242	BQL	43.3	ug/kg	U	1
PCB-1248	BQL	43.3	ug/kg	U	1
PCB-1254	BQL	43.3	ug/kg	U	1
PCB-1260	BQL	86.6	ug/kg	U	1

Summary of Analytical Results

Client ID AA1007
GPL ID: 9130-009-03-1/1
Matrix: Soil
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: SW3550
Prep Date: Sep-26-2000
Prep Time: 14:15
Prep Chemist: Saeid Soleimani

Analytical Method: SW8082
Date Analyzed: Sep-30-2000
Time Analyzed 10:45
Analyst: Philipos Yosief

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	46.1	ug/kg	U	1
PCB-1221	BQL	46.1	ug/kg	U	1
PCB-1232	BQL	46.1	ug/kg	U	1
PCB-1242	BQL	46.1	ug/kg	U	1
PCB-1248	BQL	46.1	ug/kg	U	1
PCB-1254	BQL	46.1	ug/kg	U	1
PCB-1260	BQL	92.3	ug/kg	U	1

Summary of Analytical Results

Client ID AA1009
GPL ID: 9130-010-03-1/1
Matrix: Soil
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: SW3550
Prep Date: Sep-26-2000
Prep Time: 14:15
Prep Chemist: Saeid Soleimani

Analytical Method: SW8082
Date Analyzed: Sep-30-2000
Time Analyzed 11:13
Analyst: Philipos Yosief

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	50.4	ug/kg	U	1
PCB-1221	BQL	50.4	ug/kg	U	1
PCB-1232	BQL	50.4	ug/kg	U	1
PCB-1242	BQL	50.4	ug/kg	U	1
PCB-1248	BQL	50.4	ug/kg	U	1
PCB-1254	BQL	50.4	ug/kg	U	1
PCB-1260	BQL	101	ug/kg	U	1

Summary of Analytical Results

Client ID AA1010
GPL ID: 9130-011-03-1/1
Matrix: Soil
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: SW3550
Prep Date: Sep-26-2000
Prep Time: 14:15
Prep Chemist: Saeid Soleimani

Analytical Method: SW8082
Date Analyzed: Sep-30-2000
Time Analyzed 11:40
Analyst: Philipos Yosief

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	44.3	ug/kg	U	1
PCB-1221	BQL	44.3	ug/kg	U	1
PCB-1232	BQL	44.3	ug/kg	U	1
PCB-1242	BQL	44.3	ug/kg	U	1
PCB-1248	BQL	44.3	ug/kg	U	1
PCB-1254	BQL	44.3	ug/kg	U	1
PCB-1260	BQL	88.5	ug/kg	U	1

Summary of Analytical Results

Client ID AA1011
GPL ID: 9130-012-03-1/1
Matrix: Soil
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: SW3550
Prep Date: Sep-26-2000
Prep Time: 14:15
Prep Chemist: Saeid Soleimani

Analytical Method: SW8082
Date Analyzed: Sep-30-2000
Time Analyzed 12:07
Analyst: Philipos Yosief

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	44.3	ug/kg	U	1
PCB-1221	BQL	44.3	ug/kg	U	1
PCB-1232	BQL	44.3	ug/kg	U	1
PCB-1242	BQL	44.3	ug/kg	U	1
PCB-1248	BQL	44.3	ug/kg	U	1
PCB-1254	BQL	44.3	ug/kg	U	1
PCB-1260	BQL	88.7	ug/kg	U	1

Summary of Analytical Results

Client ID AA1013
GPL ID: 9130-013-03-1/1
Matrix: Soil
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: SW3550
Prep Date: Sep-26-2000
Prep Time: 14:15
Prep Chemist: Saeid Soleimani

Analytical Method: SW8082
Date Analyzed: Sep-30-2000
Time Analyzed 12:35
Analyst: Philipos Yosief

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	61.4	ug/kg	U	1
PCB-1221	BQL	61.4	ug/kg	U	1
PCB-1232	BQL	61.4	ug/kg	U	1
PCB-1242	BQL	61.4	ug/kg	U	1
PCB-1248	BQL	61.4	ug/kg	U	1
PCB-1254	BQL	61.4	ug/kg	U	1
PCB-1260	116	123	ug/kg	J	1

Summary of Analytical Results

Client ID AA1014
GPL ID: 9130-014-03-1/1
Matrix: Soil
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: SW3550
Prep Date: Sep-26-2000
Prep Time: 14:15
Prep Chemist: Saeid Soleimani

Analytical Method: SW8082
Date Analyzed: Sep-30-2000
Time Analyzed 13:02
Analyst: Philipos Yosief

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	55.7	ug/kg	U	1
PCB-1221	BQL	55.7	ug/kg	U	1
PCB-1232	BQL	55.7	ug/kg	U	1
PCB-1242	BQL	55.7	ug/kg	U	1
PCB-1248	BQL	55.7	ug/kg	U	1
PCB-1254	BQL	55.7	ug/kg	U	1
PCB-1260	58.6	111	ug/kg	J	1

Summary of Analytical Results

Client ID AA1015
GPL ID: 9130-015-03-1/1
Matrix: Soil
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: SW3550
Prep Date: Sep-26-2000
Prep Time: 14:15
Prep Chemist: Saeid Soleimani

Analytical Method: SW8082
Date Analyzed: Sep-30-2000
Time Analyzed 13:29
Analyst: Philipos Yosief

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	54.5	ug/kg	U	1
PCB-1221	BQL	54.5	ug/kg	U	1
PCB-1232	BQL	54.5	ug/kg	U	1
PCB-1242	BQL	54.5	ug/kg	U	1
PCB-1248	BQL	54.5	ug/kg	U	1
PCB-1254	BQL	54.5	ug/kg	U	1
PCB-1260	29.3	109	ug/kg	J	1

Summary of Analytical Results

Client ID AA1016
GPL ID: 9130-016-03-1/1
Matrix: Soil
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: SW3550
Prep Date: Sep-26-2000
Prep Time: 14:15
Prep Chemist: Saeid Soleimani

Analytical Method: SW8082
Date Analyzed: Sep-30-2000
Time Analyzed 13:57
Analyst: Philipos Yosief

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	61.5	ug/kg	U	1
PCB-1221	BQL	61.5	ug/kg	U	1
PCB-1232	BQL	61.5	ug/kg	U	1
PCB-1242	BQL	61.5	ug/kg	U	1
PCB-1248	BQL	61.5	ug/kg	U	1
PCB-1254	BQL	61.5	ug/kg	U	1
PCB-1260	BQL	123	ug/kg	U	1

Summary of Analytical Results

Client ID AA1017
GPL ID: 9130-017-03-1/1
Matrix: Soil
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: SW3550
Prep Date: Sep-26-2000
Prep Time: 14:15
Prep Chemist: Saeid Soleimani

Analytical Method: SW8082
Date Analyzed: Oct-11-2000
Time Analyzed 16:37
Analyst: Philipos Yosief

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	46.8	ug/kg	U	1
PCB-1221	BQL	46.8	ug/kg	U	1
PCB-1232	BQL	46.8	ug/kg	U	1
PCB-1242	BQL	46.8	ug/kg	U	1
PCB-1248	BQL	46.8	ug/kg	U	1
PCB-1254	BQL	46.8	ug/kg	U	1
PCB-1260	19.4	93.6	ug/kg	J	1

2E
WATER PESTICIDE SURROGATE RECOVERY

Lab Name: GPL LABORATORIES, LLLP Project: IT CORPORATIO

Lab Code: GPL WO No.: 9130 SAS No.: N/A SDG No.: N/A

GC Column (1) : RTx-5 ID: 0.53 (mm) GC Column (2) : RTx-1701 ID: 0.53 (mm)

	CLIENT SAMPLE ID	TCX 1 %REC #	TCX 2 %REC #	DCB 1 %REC #	DCB 2 %REC #	TOT OUT
01	PBLK-B	102	105	100	98	0
02	PLCSB	114*	111	116	110	1
03	AA2002	113*	107	95	90	1
04	AA2003	100	91	86	84	0
05	AA2004	101	105	92	89	0
06	AA2005	115*	113*	110	105	2
07	AA2006	101	102	120	115	0
08	AA2006 MS	105	103	105	100	0
09	AA2006 MSD	109	106	112	104	0
10	AA2007	106	103	112	105	0
11	AA2009	101	104	93	91	0
12	AA2010	114*	107	100	88	1
13	AA2011	92	94	102	99	0

			ADVISORY QC LIMITS
TCX	=	Tetrachloro-m-xylene	(23-112)
DCB	=	Decachlorobiphenyl	(21-134)

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate diluted out

0 3003

2F
SOIL PESTICIDE SURROGATE RECOVERY

Lab Name: GPL LABORATORIES Contract: IT CORPORATIO

Lab Code: GPLL Case No.: 9130 SAS No.: N/A SDG No.: N/A

GC Column (1) : RTx-5 ID: 0.53 (mm) GC Column (2) : RTx-1701 ID: 0.53 (mm)

	CLIENT SAMPLE ID	TCX 1 %REC #	TCX 2 %REC #	DCB 1 %REC #	DCB 2 %REC #	TOT OUT
01	PBLK-A	110	118	112	139	0
02	PLCSA	109	112	115	144	0
03	AA1002	99	101	107	132	0
04	AA1003	88	89	136	124	0
05	AA1004	101	105	108	132	0
06	AA1004 MS	106	96	107	137	0
07	AA1004 MSD	101	95	113	138	0
08	AA1006	89	78	100	121	0
09	AA1007	85	65	101	129	0
10	AA1009	88	50	100	124	0
11	AA1010	98	89	106	139	0
12	AA1011	94	91	98	128	0
13	AA1013	78	36	95	109	0
14	AA1014	86	56	103	118	0
15	AA1015	86	61	98	123	0
16	AA1016	141	93	151	158 *	1
17	AA1005 DL	84 ~~42~~ D	98 ~~49~~ D	96 ~~48~~ D	104 ~~52~~ D	0
18	AA1017	77	33	77	78	0

			ADVISORY QC LIMITS
TCX	=	Tetrachloro-m-xylene	(19-191)
DCB	=	Decachlorobiphenyl	(21-155)

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate diluted out

0 3004

3E

SOIL PCB's MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: GPL Laboratories | Client: IT_CORPORATION

Lab Code: GPL | Case No.: 9130 | SAS No.: N/A | SDG No.: N/A

EPA Sample No.: AA1004 MS/MSD | GP ID: 9130-004MS/MSD

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENTRATION (ug/kg)	MS CONCENTRATION (ug/kg)	MS % REC	QC LIMITS REC.
AR 1016	215	0	290	133 *	58-133
AR 1260	429	0	330	77	40-159

p41011

COMPOUND	SPIKE ADDED (ug/kg)	MSD CONCENTRATION (ug/kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC.
AR 1016	215	310	144 *	8	20	58-133
AR 1260	429	320	75	2	15	40-159

* Value outside of QC limits

RPD: 0 of 2 outside limits.

Spike Recovery: 2 of 4 outside limits.

COMMENTS:

0 3005

3E

WATER PCB's MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: GPL Laboratories | Client: IT CORPORATION

Lab Code: GPL | Case No.: 9130 | SAS No.: N/A | SDG No.: N/A

EPA Sample No.: AA2006 MS | GP ID: 9130-024 MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC.
AR 1016	5	0	5.0	99	54-150
AR 1260	10	0	9.6	96	70-131

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC.
AR 1016	5	5.8	115	15	20	54-150
AR 1260	10	9.7	97	2	20	70-131

* Value outside of QC limits

RPD: 0 of 2 outside limits.

Spike Recovery: 0 of 4 outside limits.

COMMENTS:

0 3006

3E
SOIL LABORATORY CONTROL SPIKE RECOVERY

Lab Name: GPL Laboratories | Client: IT_CORPORATION

Lab Code: GPL | Case No.: 9130 | SAS No.: N/A | SDG No.: N/A

EPA Sample No.: PLCSA | GP ID: PBLK6981 MS

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENTRATION (ug/kg)	LCS CONCENTRATION (ug/kg)	LCS % REC	QC LIMITS REC
AR 1016	170	0	90	51 *	54-164
AR 1260	330	0	170	51 *	80-145

* Value outside of QC limits

Spike recovery: 2 out of 2 outside limits.

COMMENTS:

0 3007

3E
WATER LABORATORY CONTROL SPIKE RECOVERY

Lab Name: GPL Laboratories | Client: IT CORPORATION

Lab Code: GPL | Case No.: 9130 | SAS No.: N/A | SDG No.: N/A

EPA Sample No.: PLCSB | GP ID: 9130-PBLK6999 MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC
AR 1016	5	0	7.8	156	54-164
AR 1260	10	0	10.2	102	80-145

* Value outside of QC limits

Spike recovery: 0 out of 2 outside limits.

COMMENTS:

0 3008

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PBLK-A

Lab Name: GPL LABORATORIES Contract: IT CORPORAT

Lab Code: GPLL Case No.: 9130 SAS No.: N/A SDG No.: N/A

Lab Sample ID: 9130-PBLK6981 Lab File ID: K3950P.D

Matrix: (soil/water) SOIL Extraction: (SepF/Cont/Sonc) SONC

Sulfur Cleanup: (Y/N) N Date Extracted: 09/26/00

Date Analyzed (1) : 09/30/00 Date Analyzed (2) : 09/30/00

Time Analyzed (1) : 0545 Time Analyzed (2) : 0545

Instrument ID (1) : GC-K Instrument ID (2) : GC-K

GC Column (1) : RTx-5 ID: 0.53 (mm) GC Column (2) : RTx-1701 ID: 0.53 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	PLCSA	9130-PBLK6981 MS	09/30/00	09/30/00
02	AA1002	9130-002	09/30/00	09/30/00
03	AA1003	9130-003	09/30/00	09/30/00
04	AA1004	9130-004	09/30/00	09/30/00
05	AA1004 MS	9130-004 MS	09/30/00	09/30/00
06	AA1004 MSD	9130-004 MSD	09/30/00	09/30/00
07	AA1006	9130-008	09/30/00	09/30/00
08	AA1007	9130-009	09/30/00	09/30/00
09	AA1009	9130-010	09/30/00	09/30/00
10	AA1010	9130-011	09/30/00	09/30/00
11	AA1011	9130-012	09/30/00	09/30/00
12	AA1013	9130-013	09/30/00	09/30/00
13	AA1014	9130-014	09/30/00	09/30/00
14	AA1015	9130-015	09/30/00	09/30/00
15	AA1016	9130-016	09/30/00	09/30/00
16	AA1005 DL	9130-007-03-1/1 2X	10/11/00	10/11/00
17	AA1017	9130-017-03-1/1	10/11/00	10/11/00

COMMENTS:

0 3009

4C

PESTICIDE METHOD BLANK SUMMARY

CLIENT ID

PBLK-B

Lab Name: GPL LABORATORIES, LLLP Project: IT CORPORAT

Lab Code: GPL WO No.: 9130 SAS No.: N/A SDG No.: N/A

Lab Sample ID: 9130-PBLK6999 Lab File ID: K4114P.D

Matrix: (soil/water) WATER Extraction: (SepF/Cont/Sonc) CONT

Sulfur Cleanup: (Y/N) N Date Extracted: 09/27/00

Date Analyzed (1) : 10/06/00 Date Analyzed (2) : 10/06/00

Time Analyzed (1) : 1926 Time Analyzed (2) : 1926

Instrument ID (1) : GC-K Instrument ID (2) : GC-K

GC Column (1) : RTx-5 ID: 0.53 (mm) GC Column (2) : RTx-1701 ID: 0.53 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	PLCSB	9130-PBLK6999 MS	10/06/00	10/06/00
02	AA2002	9130-020-04-1/	10/06/00	10/06/00
03	AA2003	9130-021-04-1/	10/06/00	10/06/00
04	AA2004	9130-022-04-1/	10/06/00	10/06/00
05	AA2005	9130-023-04-1/	10/06/00	10/06/00
06	AA2006	9130-024-04-1/	10/06/00	10/06/00
07	AA2006 MS	9130-024-04-1/ MS	10/06/00	10/06/00
08	AA2006 MSD	9130-024-04-1/ MSD	10/06/00	10/06/00
09	AA2007	9130-025-04-1/	10/07/00	10/07/00
10	AA2009	9130-026-04-1/	10/07/00	10/07/00
11	AA2010	9130-027-04-1/	10/07/00	10/07/00
12	AA2011	9130-028-04-1/	10/07/00	10/07/00

COMMENTS:

0 3010

Summary of Analytical Results

Client ID AA1002
GPL ID: 9130-002-01-1/2
Matrix: Soil
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: SW5030B
Prep Date: Sep-26-2000
Prep Time: 07:57
Prep Chemist: NAZIH ABADEER

Analytical Method: SW8260B_TCL
Date Analyzed: Sep-26-2000
Time Analyzed 11:30
Analyst: Jannina S. Bryan

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	6.35	ug/kg	U	1
1,1,2,2-Tetrachloroethane	BQL	6.35	ug/kg	U	1
1,1,2-Trichloroethane	BQL	6.35	ug/kg	U	1
1,1-Dichloroethane	BQL	6.35	ug/kg	U	1
1,1-Dichloroethene	BQL	6.35	ug/kg	U	1
1,2-Dichloroethane	BQL	6.35	ug/kg	U	1
1,2-Dichloropropane	BQL	6.35	ug/kg	U	1
2-Butanone	BQL	12.7	ug/kg	U	1
2-Hexanone	BQL	12.7	ug/kg	U	1
4-Methyl-2-Pentanone	BQL	12.7	ug/kg	U	1
Acetone	20.2	12.7	ug/kg		1
Benzene	BQL	6.35	ug/kg	U	1
Bromodichloromethane	BQL	6.35	ug/kg	U	1
Bromoform	BQL	6.35	ug/kg	U	1
Bromomethane	BQL	12.7	ug/kg	U	1
Carbon Disulfide	BQL	6.35	ug/kg	U	1
Carbon Tetrachloride	BQL	6.35	ug/kg	U	1
Chlorobenzene	BQL	6.35	ug/kg	U	1
Chloroethane	BQL	12.7	ug/kg	U	1
Chloroform	BQL	6.35	ug/kg	U	1
Chloromethane	BQL	12.7	ug/kg	U	1
Dibromochloromethane	BQL	6.35	ug/kg	U	1
Ethylbenzene	BQL	6.35	ug/kg	U	1
Methylene Chloride	62.5	6.35	ug/kg		1
Styrene	BQL	6.35	ug/kg	U	1
Tetrachloroethene	BQL	6.35	ug/kg	U	1
Toluene	BQL	6.35	ug/kg	U	1
Trichloroethene	BQL	6.35	ug/kg	U	1
Vinyl Chloride	BQL	12.7	ug/kg	U	1
cis-1,2-Dichloroethene	BQL	6.35	ug/kg	U	1
cis-1,3-Dichloropropene	BQL	6.35	ug/kg	U	1
m,p-Xylenes	BQL	6.35	ug/kg	U	1
o-Xylene	BQL	6.35	ug/kg	U	1
trans-1,2-dichloroethene	BQL	6.35	ug/kg	U	1
trans-1,3-dichloropropene	BQL	6.35	ug/kg	U	1

Summary of Analytical Results

Client ID AA1003
GPL ID: 9130-003-01-1/2
Matrix: Soil
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: SW5030B
Prep Date: Sep-26-2000
Prep Time: 07:57
Prep Chemist: NAZIH ABADEER

Analytical Method: SW8260B_TCL
Date Analyzed: Sep-26-2000
Time Analyzed 12:25
Analyst: Jannina S. Bryan

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	6.31	ug/kg	U	1
1,1,2,2-Tetrachloroethane	BQL	6.31	ug/kg	U	1
1,1,2-Trichloroethane	BQL	6.31	ug/kg	U	1
1,1-Dichloroethane	BQL	6.31	ug/kg	U	1
1,1-Dichloroethene	BQL	6.31	ug/kg	U	1
1,2-Dichloroethane	BQL	6.31	ug/kg	U	1
1,2-Dichloropropane	BQL	6.31	ug/kg	U	1
2-Butanone	BQL	12.6	ug/kg	U	1
2-Hexanone	BQL	12.6	ug/kg	U	1
4-Methyl-2-Pentanone	BQL	12.6	ug/kg	U	1
Acetone	17.0	12.6	ug/kg		1
Benzene	BQL	6.31	ug/kg	U	1
Bromodichloromethane	BQL	6.31	ug/kg	U	1
Bromoform	BQL	6.31	ug/kg	U	1
Bromomethane	BQL	12.6	ug/kg	U	1
Carbon Disulfide	BQL	6.31	ug/kg	U	1
Carbon Tetrachloride	BQL	6.31	ug/kg	U	1
Chlorobenzene	BQL	6.31	ug/kg	U	1
Chloroethane	BQL	12.6	ug/kg	U	1
Chloroform	BQL	6.31	ug/kg	U	1
Chloromethane	BQL	12.6	ug/kg	U	1
Dibromochloromethane	BQL	6.31	ug/kg	U	1
Ethylbenzene	BQL	6.31	ug/kg	U	1
Methylene Chloride	45.4	6.31	ug/kg		1
Styrene	BQL	6.31	ug/kg	U	1
Tetrachloroethene	BQL	6.31	ug/kg	U	1
Toluene	BQL	6.31	ug/kg	U	1
Trichloroethene	BQL	6.31	ug/kg	U	1
Vinyl Chloride	BQL	12.6	ug/kg	U	1
cis-1,2-Dichloroethene	BQL	6.31	ug/kg	U	1
cis-1,3-Dichloropropene	BQL	6.31	ug/kg	U	1
m,p-Xylenes	BQL	6.31	ug/kg	U	1
o-Xylene	BQL	6.31	ug/kg	U	1
trans-1,2-dichloroethene	BQL	6.31	ug/kg	U	1
trans-1,3-dichloropropene	BQL	6.31	ug/kg	U	1

Summary of Analytical Results

Client ID AA1004
GPL ID: 9130-004-01-1/2
Matrix: Soil
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: SW5030B
Prep Date: Sep-26-2000
Prep Time: 07:57
Prep Chemist: NAZIH ABADEER

Analytical Method: SW8260B_TCL
Date Analyzed: Sep-26-2000
Time Analyzed 13:05
Analyst: Jannina S. Bryan

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	6.51	ug/kg	U	1
1,1,2,2-Tetrachloroethane	BQL	6.51	ug/kg	U	1
1,1,2-Trichloroethane	BQL	6.51	ug/kg	U	1
1,1-Dichloroethane	BQL	6.51	ug/kg	U	1
1,1-Dichloroethene	BQL	6.51	ug/kg	U	1
1,2-Dichloroethane	BQL	6.51	ug/kg	U	1
1,2-Dichloropropane	BQL	6.51	ug/kg	U	1
2-Butanone	BQL	13	ug/kg	U	1
2-Hexanone	BQL	13	ug/kg	U	1
4-Methyl-2-Pentanone	BQL	13	ug/kg	U	1
Acetone	8.59	13	ug/kg	J	1
Benzene	BQL	6.51	ug/kg	U	1
Bromodichloromethane	BQL	6.51	ug/kg	U	1
Bromoform	BQL	6.51	ug/kg	U	1
Bromomethane	BQL	13	ug/kg	U	1
Carbon Disulfide	BQL	6.51	ug/kg	U	1
Carbon Tetrachloride	BQL	6.51	ug/kg	U	1
Chlorobenzene	BQL	6.51	ug/kg	U	1
Chloroethane	BQL	13	ug/kg	U	1
Chloroform	BQL	6.51	ug/kg	U	1
Chloromethane	BQL	13	ug/kg	U	1
Dibromochloromethane	BQL	6.51	ug/kg	U	1
Ethylbenzene	BQL	6.51	ug/kg	U	1
Methylene Chloride	28.3	6.51	ug/kg		1
Styrene	BQL	6.51	ug/kg	U	1
Tetrachloroethene	BQL	6.51	ug/kg	U	1
Toluene	BQL	6.51	ug/kg	U	1
Trichloroethene	BQL	6.51	ug/kg	U	1
Vinyl Chloride	BQL	13	ug/kg	U	1
cis-1,2-Dichloroethene	BQL	6.51	ug/kg	U	1
cis-1,3-Dichloropropene	BQL	6.51	ug/kg	U	1
m,p-Xylenes	BQL	6.51	ug/kg	U	1
o-Xylene	BQL	6.51	ug/kg	U	1
trans-1,2-dichloroethene	BQL	6.51	ug/kg	U	1
trans-1,3-dichloropropene	BQL	6.51	ug/kg	U	1

Summary of Analytical Results

Client ID AA1005
GPL ID: 9130-007-01-1/2
Matrix: Soil
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: SW5030B
Prep Date: Sep-26-2000
Prep Time: 07:57
Prep Chemist: NAZIH ABADEER

Analytical Method: SW8260B_TCL
Date Analyzed: Sep-26-2000
Time Analyzed 15:03
Analyst: Jannina S. Bryan

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	6.96	ug/kg	U	1
1,1,2,2-Tetrachloroethane	BQL	6.96	ug/kg	U	1
1,1,2-Trichloroethane	BQL	6.96	ug/kg	U	1
1,1-Dichloroethane	BQL	6.96	ug/kg	U	1
1,1-Dichloroethene	BQL	6.96	ug/kg	U	1
1,2-Dichloroethane	BQL	6.96	ug/kg	U	1
1,2-Dichloropropane	BQL	6.96	ug/kg	U	1
2-Butanone	BQL	13.9	ug/kg	U	1
2-Hexanone	BQL	13.9	ug/kg	U	1
4-Methyl-2-Pentanone	BQL	13.9	ug/kg	U	1
Acetone	20.7	13.9	ug/kg		1
Benzene	BQL	6.96	ug/kg	U	1
Bromodichloromethane	BQL	6.96	ug/kg	U	1
Bromoform	BQL	6.96	ug/kg	U	1
Bromomethane	BQL	13.9	ug/kg	U	1
Carbon Disulfide	BQL	6.96	ug/kg	U	1
Carbon Tetrachloride	BQL	6.96	ug/kg	U	1
Chlorobenzene	BQL	6.96	ug/kg	U	1
Chloroethane	BQL	13.9	ug/kg	U	1
Chloroform	BQL	6.96	ug/kg	U	1
Chloromethane	BQL	13.9	ug/kg	U	1
Dibromochloromethane	BQL	6.96	ug/kg	U	1
Ethylbenzene	BQL	6.96	ug/kg	U	1
Methylene Chloride	43.3	6.96	ug/kg		1
Styrene	BQL	6.96	ug/kg	U	1
Tetrachloroethene	BQL	6.96	ug/kg	U	1
Toluene	BQL	6.96	ug/kg	U	1
Trichloroethene	BQL	6.96	ug/kg	U	1
Vinyl Chloride	BQL	13.9	ug/kg	U	1
cis-1,2-Dichloroethene	BQL	6.96	ug/kg	U	1
cis-1,3-Dichloropropene	BQL	6.96	ug/kg	U	1
m,p-Xylenes	BQL	6.96	ug/kg	U	1
o-Xylene	BQL	6.96	ug/kg	U	1
trans-1,2-dichloroethene	BQL	6.96	ug/kg	U	1
trans-1,3-dichloropropene	BQL	6.96	ug/kg	U	1

Summary of Analytical Results

Client ID AA1006
GPL ID: 9130-008-01-1/2
Matrix: Soil
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: SW5030B
Prep Date: Sep-26-2000
Prep Time: 07:57
Prep Chemist: NAZIH ABADEER

Analytical Method: SW8260B_TCL
Date Analyzed: Sep-26-2000
Time Analyzed 15:43
Analyst: Jannina S. Bryan

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	6.5	ug/kg	U	1
1,1,2,2-Tetrachloroethane	BQL	6.5	ug/kg	U	1
1,1,2-Trichloroethane	BQL	6.5	ug/kg	U	1
1,1-Dichloroethane	BQL	6.5	ug/kg	U	1
1,1-Dichloroethene	BQL	6.5	ug/kg	U	1
1,2-Dichloroethane	BQL	6.5	ug/kg	U	1
1,2-Dichloropropane	BQL	6.5	ug/kg	U	1
2-Butanone	BQL	13	ug/kg	U	1
2-Hexanone	BQL	13	ug/kg	U	1
4-Methyl-2-Pentanone	BQL	13	ug/kg	U	1
Acetone	16.3	13	ug/kg		1
Benzene	BQL	6.5	ug/kg	U	1
Bromodichloromethane	BQL	6.5	ug/kg	U	1
Bromoform	BQL	6.5	ug/kg	U	1
Bromomethane	BQL	13	ug/kg	U	1
Carbon Disulfide	BQL	6.5	ug/kg	U	1
Carbon Tetrachloride	BQL	6.5	ug/kg	U	1
Chlorobenzene	BQL	6.5	ug/kg	U	1
Chloroethane	BQL	13	ug/kg	U	1
Chloroform	BQL	6.5	ug/kg	U	1
Chloromethane	BQL	13	ug/kg	U	1
Dibromochloromethane	BQL	6.5	ug/kg	U	1
Ethylbenzene	BQL	6.5	ug/kg	U	1
Methylene Chloride	34.0	6.5	ug/kg		1
Styrene	BQL	6.5	ug/kg	U	1
Tetrachloroethene	BQL	6.5	ug/kg	U	1
Toluene	BQL	6.5	ug/kg	U	1
Trichloroethene	BQL	6.5	ug/kg	U	1
Vinyl Chloride	BQL	13	ug/kg	U	1
cis-1,2-Dichloroethene	BQL	6.5	ug/kg	U	1
cis-1,3-Dichloropropene	BQL	6.5	ug/kg	U	1
m,p-Xylenes	BQL	6.5	ug/kg	U	1
o-Xylene	BQL	6.5	ug/kg	U	1
trans-1,2-dichloroethene	BQL	6.5	ug/kg	U	1
trans-1,3-dichloropropene	BQL	6.5	ug/kg	U	1

Summary of Analytical Results

Client ID AA1007
GPL ID: 9130-009-01-1/2
Matrix: Soil
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: SW5030B
Prep Date: Sep-26-2000
Prep Time: 07:57
Prep Chemist: NAZIH ABADEER

Analytical Method: SW8260B_TCL
Date Analyzed: Sep-26-2000
Time Analyzed 16:23
Analyst: Jannina S. Bryan

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	6.93	ug/kg	U	1
1,1,2,2-Tetrachloroethane	BQL	6.93	ug/kg	U	1
1,1,2-Trichloroethane	BQL	6.93	ug/kg	U	1
1,1-Dichloroethane	BQL	6.93	ug/kg	U	1
1,1-Dichloroethene	BQL	6.93	ug/kg	U	1
1,2-Dichloroethane	BQL	6.93	ug/kg	U	1
1,2-Dichloropropane	BQL	6.93	ug/kg	U	1
2-Butanone	BQL	13.9	ug/kg	U	1
2-Hexanone	BQL	13.9	ug/kg	U	1
4-Methyl-2-Pentanone	BQL	13.9	ug/kg	U	1
Acetone	14.5	13.9	ug/kg		1
Benzene	BQL	6.93	ug/kg	U	1
Bromodichloromethane	BQL	6.93	ug/kg	U	1
Bromoform	BQL	6.93	ug/kg	U	1
Bromomethane	BQL	13.9	ug/kg	U	1
Carbon Disulfide	10.2	6.93	ug/kg		1
Carbon Tetrachloride	BQL	6.93	ug/kg	U	1
Chlorobenzene	BQL	6.93	ug/kg	U	1
Chloroethane	BQL	13.9	ug/kg	U	1
Chloroform	BQL	6.93	ug/kg	U	1
Chloromethane	BQL	13.9	ug/kg	U	1
Dibromochloromethane	BQL	6.93	ug/kg	U	1
Ethylbenzene	BQL	6.93	ug/kg	U	1
Methylene Chloride	35.6	6.93	ug/kg		1
Styrene	BQL	6.93	ug/kg	U	1
Tetrachloroethene	BQL	6.93	ug/kg	U	1
Toluene	BQL	6.93	ug/kg	U	1
Trichloroethene	BQL	6.93	ug/kg	U	1
Vinyl Chloride	BQL	13.9	ug/kg	U	1
cis-1,2-Dichloroethene	BQL	6.93	ug/kg	U	1
cis-1,3-Dichloropropene	BQL	6.93	ug/kg	U	1
m,p-Xylenes	BQL	6.93	ug/kg	U	1
o-Xylene	BQL	6.93	ug/kg	U	1
trans-1,2-dichloroethene	BQL	6.93	ug/kg	U	1
trans-1,3-dichloropropene	BQL	6.93	ug/kg	U	1

Summary of Analytical Results

Client ID AA1009
GPL ID: 9130-010-01-1/2
Matrix: Soil
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: SW5030B
Prep Date: Sep-26-2000
Prep Time: 07:57
Prep Chemist: NAZIH ABADEER

Analytical Method: SW8260B_TCL
Date Analyzed: Sep-26-2000
Time Analyzed 17:03
Analyst: Jannina S. Bryan

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	7.56	ug/kg	U	1
1,1,2,2-Tetrachloroethane	BQL	7.56	ug/kg	U	1
1,1,2-Trichloroethane	BQL	7.56	ug/kg	U	1
1,1-Dichloroethane	BQL	7.56	ug/kg	U	1
1,1-Dichloroethene	BQL	7.56	ug/kg	U	1
1,2-Dichloroethane	BQL	7.56	ug/kg	U	1
1,2-Dichloropropane	BQL	7.56	ug/kg	U	1
2-Butanone	BQL	15.1	ug/kg	U	1
2-Hexanone	BQL	15.1	ug/kg	U	1
4-Methyl-2-Pentanone	BQL	15.1	ug/kg	U	1
Acetone	11.9	15.1	ug/kg	J	1
Benzene	BQL	7.56	ug/kg	U	1
Bromodichloromethane	BQL	7.56	ug/kg	U	1
Bromoform	BQL	7.56	ug/kg	U	1
Bromomethane	BQL	15.1	ug/kg	U	1
Carbon Disulfide	BQL	7.56	ug/kg	U	1
Carbon Tetrachloride	BQL	7.56	ug/kg	U	1
Chlorobenzene	BQL	7.56	ug/kg	U	1
Chloroethane	BQL	15.1	ug/kg	U	1
Chloroform	BQL	7.56	ug/kg	U	1
Chloromethane	BQL	15.1	ug/kg	U	1
Dibromochloromethane	BQL	7.56	ug/kg	U	1
Ethylbenzene	BQL	7.56	ug/kg	U	1
Methylene Chloride	34.4	7.56	ug/kg		1
Styrene	BQL	7.56	ug/kg	U	1
Tetrachloroethene	BQL	7.56	ug/kg	U	1
Toluene	BQL	7.56	ug/kg	U	1
Trichloroethene	BQL	7.56	ug/kg	U	1
Vinyl Chloride	BQL	15.1	ug/kg	U	1
cis-1,2-Dichloroethene	BQL	7.56	ug/kg	U	1
cis-1,3-Dichloropropene	BQL	7.56	ug/kg	U	1
m,p-Xylenes	BQL	7.56	ug/kg	U	1
o-Xylene	BQL	7.56	ug/kg	U	1
trans-1,2-dichloroethene	BQL	7.56	ug/kg	U	1
trans-1,3-dichloropropene	BQL	7.56	ug/kg	U	1

Summary of Analytical Results

Client ID AA1010
GPL ID: 9130-011-01-1/2
Matrix: Soil
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: SW5030B
Prep Date: Sep-26-2000
Prep Time: 07:57
Prep Chemist: NAZIH ABADEER

Analytical Method: SW8260B_TCL
Date Analyzed: Sep-26-2000
Time Analyzed 17:42
Analyst: Jannina S. Bryan

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	6.64	ug/kg	U	1
1,1,2,2-Tetrachloroethane	BQL	6.64	ug/kg	U	1
1,1,2-Trichloroethane	BQL	6.64	ug/kg	U	1
1,1-Dichloroethane	BQL	6.64	ug/kg	U	1
1,1-Dichloroethene	BQL	6.64	ug/kg	U	1
1,2-Dichloroethane	BQL	6.64	ug/kg	U	1
1,2-Dichloropropane	BQL	6.64	ug/kg	U	1
2-Butanone	BQL	13.3	ug/kg	U	1
2-Hexanone	BQL	13.3	ug/kg	U	1
4-Methyl-2-Pentanone	BQL	13.3	ug/kg	U	1
Acetone	BQL	13.3	ug/kg	U	1
Benzene	BQL	6.64	ug/kg	U	1
Bromodichloromethane	BQL	6.64	ug/kg	U	1
Bromoform	BQL	6.64	ug/kg	U	1
Bromomethane	BQL	13.3	ug/kg	U	1
Carbon Disulfide	BQL	6.64	ug/kg	U	1
Carbon Tetrachloride	BQL	6.64	ug/kg	U	1
Chlorobenzene	BQL	6.64	ug/kg	U	1
Chloroethane	BQL	13.3	ug/kg	U	1
Chloroform	BQL	6.64	ug/kg	U	1
Chloromethane	BQL	13.3	ug/kg	U	1
Dibromochloromethane	BQL	6.64	ug/kg	U	1
Ethylbenzene	BQL	6.64	ug/kg	U	1
Methylene Chloride	27.7	6.64	ug/kg		1
Styrene	BQL	6.64	ug/kg	U	1
Tetrachloroethene	BQL	6.64	ug/kg	U	1
Toluene	BQL	6.64	ug/kg	U	1
Trichloroethene	BQL	6.64	ug/kg	U	1
Vinyl Chloride	BQL	13.3	ug/kg	U	1
cis-1,2-Dichloroethene	BQL	6.64	ug/kg	U	1
cis-1,3-Dichloropropene	BQL	6.64	ug/kg	U	1
m,p-Xylenes	BQL	6.64	ug/kg	U	1
o-Xylene	BQL	6.64	ug/kg	U	1
trans-1,2-dichloroethene	BQL	6.64	ug/kg	U	1
trans-1,3-dichloropropene	BQL	6.64	ug/kg	U	1

Summary of Analytical Results

Client ID AA1011
GPL ID: 9130-012-01-1/2
Matrix: Soil
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: SW5030B
Prep Date: Sep-26-2000
Prep Time: 07:57
Prep Chemist: NAZIH ABADEER

Analytical Method: SW8260B_TCL
Date Analyzed: Sep-26-2000
Time Analyzed 18:22
Analyst: Jannina S. Bryan

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	6.65	ug/kg	U	1
1,1,2,2-Tetrachloroethane	BQL	6.65	ug/kg	U	1
1,1,2-Trichloroethane	BQL	6.65	ug/kg	U	1
1,1-Dichloroethane	BQL	6.65	ug/kg	U	1
1,1-Dichloroethene	BQL	6.65	ug/kg	U	1
1,2-Dichloroethane	BQL	6.65	ug/kg	U	1
1,2-Dichloropropane	BQL	6.65	ug/kg	U	1
2-Butanone	BQL	13.3	ug/kg	U	1
2-Hexanone	BQL	13.3	ug/kg	U	1
4-Methyl-2-Pentanone	BQL	13.3	ug/kg	U	1
Acetone	12.9	13.3	ug/kg	J	1
Benzene	BQL	6.65	ug/kg	U	1
Bromodichloromethane	BQL	6.65	ug/kg	U	1
Bromoform	BQL	6.65	ug/kg	U	1
Bromomethane	BQL	13.3	ug/kg	U	1
Carbon Disulfide	BQL	6.65	ug/kg	U	1
Carbon Tetrachloride	BQL	6.65	ug/kg	U	1
Chlorobenzene	BQL	6.65	ug/kg	U	1
Chloroethane	BQL	13.3	ug/kg	U	1
Chloroform	BQL	6.65	ug/kg	U	1
Chloromethane	BQL	13.3	ug/kg	U	1
Dibromochloromethane	BQL	6.65	ug/kg	U	1
Ethylbenzene	BQL	6.65	ug/kg	U	1
Methylene Chloride	29.7	6.65	ug/kg		1
Styrene	BQL	6.65	ug/kg	U	1
Tetrachloroethene	BQL	6.65	ug/kg	U	1
Toluene	BQL	6.65	ug/kg	U	1
Trichloroethene	BQL	6.65	ug/kg	U	1
Vinyl Chloride	BQL	13.3	ug/kg	U	1
cis-1,2-Dichloroethene	BQL	6.65	ug/kg	U	1
cis-1,3-Dichloropropene	BQL	6.65	ug/kg	U	1
m,p-Xylenes	BQL	6.65	ug/kg	U	1
o-Xylene	BQL	6.65	ug/kg	U	1
trans-1,2-dichloroethene	BQL	6.65	ug/kg	U	1
trans-1,3-dichloropropene	BQL	6.65	ug/kg	U	1

Summary of Analytical Results

Client ID AA1013
GPL ID: 9130-013-01-1/2
Matrix: Soil
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: SW5030B
Prep Date: Sep-26-2000
Prep Time: 07:57
Prep Chemist: NAZIH ABADEER

Analytical Method: SW8260B_TCL
Date Analyzed: Sep-26-2000
Time Analyzed 19:02
Analyst: Jannina S. Bryan

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	9.21	ug/kg	U	1
1,1,2,2-Tetrachloroethane	BQL	9.21	ug/kg	U	1
1,1,2-Trichloroethane	BQL	9.21	ug/kg	U	1
1,1-Dichloroethane	BQL	9.21	ug/kg	U	1
1,1-Dichloroethene	BQL	9.21	ug/kg	U	1
1,2-Dichloroethane	BQL	9.21	ug/kg	U	1
1,2-Dichloropropane	BQL	9.21	ug/kg	U	1
2-Butanone	BQL	18.4	ug/kg	U	1
2-Hexanone	BQL	18.4	ug/kg	U	1
4-Methyl-2-Pentanone	BQL	18.4	ug/kg	U	1
Acetone	28.3	18.4	ug/kg		1
Benzene	BQL	9.21	ug/kg	U	1
Bromodichloromethane	BQL	9.21	ug/kg	U	1
Bromoform	BQL	9.21	ug/kg	U	1
Bromomethane	BQL	18.4	ug/kg	U	1
Carbon Disulfide	2.62	9.21	ug/kg	J	1
Carbon Tetrachloride	BQL	9.21	ug/kg	U	1
Chlorobenzene	BQL	9.21	ug/kg	U	1
Chloroethane	BQL	18.4	ug/kg	U	1
Chloroform	BQL	9.21	ug/kg	U	1
Chloromethane	BQL	18.4	ug/kg	U	1
Dibromochloromethane	BQL	9.21	ug/kg	U	1
Ethylbenzene	BQL	9.21	ug/kg	U	1
Methylene Chloride	35.7	9.21	ug/kg		1
Styrene	BQL	9.21	ug/kg	U	1
Tetrachloroethene	BQL	9.21	ug/kg	U	1
Toluene	BQL	9.21	ug/kg	U	1
Trichloroethene	BQL	9.21	ug/kg	U	1
Vinyl Chloride	BQL	18.4	ug/kg	U	1
cis-1,2-Dichloroethene	BQL	9.21	ug/kg	U	1
cis-1,3-Dichloropropene	BQL	9.21	ug/kg	U	1
m,p-Xylenes	BQL	9.21	ug/kg	U	1
o-Xylene	BQL	9.21	ug/kg	U	1
trans-1,2-dichloroethene	BQL	9.21	ug/kg	U	1
trans-1,3-dichloropropene	BQL	9.21	ug/kg	U	1

Summary of Analytical Results

Client ID AA1014
GPL ID: 9130-014-01-1/2
Matrix: Soil
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: SW5030B
Prep Date: Sep-26-2000
Prep Time: 07:57
Prep Chemist: NAZIH ABADEER

Analytical Method: SW8260B_TCL
Date Analyzed: Sep-26-2000
Time Analyzed 19:41
Analyst: Jannina S. Bryan

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	8.36	ug/kg	U	1
1,1,2,2-Tetrachloroethane	BQL	8.36	ug/kg	U	1
1,1,2-Trichloroethane	BQL	8.36	ug/kg	U	1
1,1-Dichloroethane	BQL	8.36	ug/kg	U	1
1,1-Dichloroethene	BQL	8.36	ug/kg	U	1
1,2-Dichloroethane	BQL	8.36	ug/kg	U	1
1,2-Dichloropropane	BQL	8.36	ug/kg	U	1
2-Butanone	BQL	16.7	ug/kg	U	1
2-Hexanone	BQL	16.7	ug/kg	U	1
4-Methyl-2-Pentanone	BQL	16.7	ug/kg	U	1
Acetone	28.4	16.7	ug/kg		1
Benzene	BQL	8.36	ug/kg	U	1
Bromodichloromethane	BQL	8.36	ug/kg	U	1
Bromoform	BQL	8.36	ug/kg	U	1
Bromomethane	BQL	16.7	ug/kg	U	1
Carbon Disulfide	BQL	8.36	ug/kg	U	1
Carbon Tetrachloride	BQL	8.36	ug/kg	U	1
Chlorobenzene	BQL	8.36	ug/kg	U	1
Chloroethane	BQL	16.7	ug/kg	U	1
Chloroform	BQL	8.36	ug/kg	U	1
Chloromethane	BQL	16.7	ug/kg	U	1
Dibromochloromethane	BQL	8.36	ug/kg	U	1
Ethylbenzene	BQL	8.36	ug/kg	U	1
Methylene Chloride	24.0	8.36	ug/kg		1
Styrene	BQL	8.36	ug/kg	U	1
Tetrachloroethene	BQL	8.36	ug/kg	U	1
Toluene	BQL	8.36	ug/kg	U	1
Trichloroethene	BQL	8.36	ug/kg	U	1
Vinyl Chloride	BQL	16.7	ug/kg	U	1
cis-1,2-Dichloroethene	BQL	8.36	ug/kg	U	1
cis-1,3-Dichloropropene	BQL	8.36	ug/kg	U	1
m,p-Xylenes	BQL	8.36	ug/kg	U	1
o-Xylene	BQL	8.36	ug/kg	U	1
trans-1,2-dichloroethene	BQL	8.36	ug/kg	U	1
trans-1,3-dichloropropene	BQL	8.36	ug/kg	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AA1015
GPL ID: 9130-015-01-1/2
Matrix: Soil
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: SW5030B
Prep Date: Sep-27-2000
Prep Time: 07:40
Prep Chemist: NAZIH ABADEER

Analytical Method: SW8260B_TCL
Date Analyzed: Sep-27-2000
Time Analyzed 10:48
Analyst: Jannina S. Bryan

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	8.18	ug/kg	U	1
1,1,2,2-Tetrachloroethane	BQL	8.18	ug/kg	U	1
1,1,2-Trichloroethane	BQL	8.18	ug/kg	U	1
1,1-Dichloroethane	BQL	8.18	ug/kg	U	1
1,1-Dichloroethene	BQL	8.18	ug/kg	U	1
1,2-Dichloroethane	BQL	8.18	ug/kg	U	1
1,2-Dichloropropane	BQL	8.18	ug/kg	U	1
2-Butanone	BQL	16.4	ug/kg	U	1
2-Hexanone	BQL	16.4	ug/kg	U	1
4-Methyl-2-Pentanone	BQL	16.4	ug/kg	U	1
Acetone	16.8	16.4	ug/kg		1
Benzene	BQL	8.18	ug/kg	U	1
Bromodichloromethane	BQL	8.18	ug/kg	U	1
Bromoform	BQL	8.18	ug/kg	U	1
Bromomethane	BQL	16.4	ug/kg	U	1
Carbon Disulfide	BQL	8.18	ug/kg	U	1
Carbon Tetrachloride	BQL	8.18	ug/kg	U	1
Chlorobenzene	BQL	8.18	ug/kg	U	1
Chloroethane	BQL	16.4	ug/kg	U	1
Chloroform	BQL	8.18	ug/kg	U	1
Chloromethane	BQL	16.4	ug/kg	U	1
Dibromochloromethane	BQL	8.18	ug/kg	U	1
Ethylbenzene	BQL	8.18	ug/kg	U	1
Methylene Chloride	20.2	8.18	ug/kg		1
Styrene	BQL	8.18	ug/kg	U	1
Tetrachloroethene	BQL	8.18	ug/kg	U	1
Toluene	BQL	8.18	ug/kg	U	1
Trichloroethene	BQL	8.18	ug/kg	U	1
Vinyl Chloride	BQL	16.4	ug/kg	U	1
cis-1,2-Dichloroethene	BQL	8.18	ug/kg	U	1
cis-1,3-Dichloropropene	BQL	8.18	ug/kg	U	1
m,p-Xylenes	BQL	8.18	ug/kg	U	1
o-Xylene	BQL	8.18	ug/kg	U	1
trans-1,2-dichloroethene	BQL	8.18	ug/kg	U	1
trans-1,3-dichloropropene	BQL	8.18	ug/kg	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AA1016
GPL ID: 9130-016-01-1/2
Matrix: Soil
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: SW5030B
Prep Date: Sep-27-2000
Prep Time: 07:40
Prep Chemist: NAZIH ABADEER

Analytical Method: SW8260B_TCL
Date Analyzed: Sep-27-2000
Time Analyzed 11:28
Analyst: Jannina S. Bryan

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	9.22	ug/kg	U	1
1,1,2,2-Tetrachloroethane	BQL	9.22	ug/kg	U	1
1,1,2-Trichloroethane	BQL	9.22	ug/kg	U	1
1,1-Dichloroethane	BQL	9.22	ug/kg	U	1
1,1-Dichloroethene	BQL	9.22	ug/kg	U	1
1,2-Dichloroethane	BQL	9.22	ug/kg	U	1
1,2-Dichloropropane	BQL	9.22	ug/kg	U	1
2-Butanone	BQL	18.4	ug/kg	U	1
2-Hexanone	BQL	18.4	ug/kg	U	1
4-Methyl-2-Pentanone	BQL	18.4	ug/kg	U	1
Acetone	28.3	18.4	ug/kg		1
Benzene	BQL	9.22	ug/kg	U	1
Bromodichloromethane	BQL	9.22	ug/kg	U	1
Bromoform	BQL	9.22	ug/kg	U	1
Bromomethane	BQL	18.4	ug/kg	U	1
Carbon Disulfide	4.58	9.22	ug/kg	J	1
Carbon Tetrachloride	BQL	9.22	ug/kg	U	1
Chlorobenzene	BQL	9.22	ug/kg	U	1
Chloroethane	BQL	18.4	ug/kg	U	1
Chloroform	BQL	9.22	ug/kg	U	1
Chloromethane	BQL	18.4	ug/kg	U	1
Dibromochloromethane	BQL	9.22	ug/kg	U	1
Ethylbenzene	BQL	9.22	ug/kg	U	1
Methylene Chloride	20.3	9.22	ug/kg		1
Styrene	BQL	9.22	ug/kg	U	1
Tetrachloroethene	BQL	9.22	ug/kg	U	1
Toluene	BQL	9.22	ug/kg	U	1
Trichloroethene	BQL	9.22	ug/kg	U	1
Vinyl Chloride	BQL	18.4	ug/kg	U	1
cis-1,2-Dichloroethene	BQL	9.22	ug/kg	U	1
cis-1,3-Dichloropropene	BQL	9.22	ug/kg	U	1
m,p-Xylenes	BQL	9.22	ug/kg	U	1
o-Xylene	BQL	9.22	ug/kg	U	1
trans-1,2-dichloroethene	BQL	9.22	ug/kg	U	1
trans-1,3-dichloropropene	BQL	9.22	ug/kg	U	1

Summary of Analytical Results

Client ID AA1017
GPL ID: 9130-017-01-1/2
Matrix: Soil
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: SW5030B
Prep Date: Sep-27-2000
Prep Time: 07:40
Prep Chemist: NAZIH ABADEER

Analytical Method: SW8260B_TCL
Date Analyzed: Sep-27-2000
Time Analyzed 12:08
Analyst: Jannina S. Bryan

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	7.02	ug/kg	U	1
1,1,2,2-Tetrachloroethane	BQL	7.02	ug/kg	U	1
1,1,2-Trichloroethane	BQL	7.02	ug/kg	U	1
1,1-Dichloroethane	BQL	7.02	ug/kg	U	1
1,1-Dichloroethene	BQL	7.02	ug/kg	U	1
1,2-Dichloroethane	BQL	7.02	ug/kg	U	1
1,2-Dichloropropane	BQL	7.02	ug/kg	U	1
2-Butanone	BQL	14	ug/kg	U	1
2-Hexanone	BQL	14	ug/kg	U	1
4-Methyl-2-Pentanone	BQL	14	ug/kg	U	1
Acetone	BQL	14	ug/kg	U	1
Benzene	BQL	7.02	ug/kg	U	1
Bromodichloromethane	BQL	7.02	ug/kg	U	1
Bromoform	BQL	7.02	ug/kg	U	1
Bromomethane	BQL	14	ug/kg	U	1
Carbon Disulfide	BQL	7.02	ug/kg	U	1
Carbon Tetrachloride	BQL	7.02	ug/kg	U	1
Chlorobenzene	BQL	7.02	ug/kg	U	1
Chloroethane	BQL	14	ug/kg	U	1
Chloroform	BQL	7.02	ug/kg	U	1
Chloromethane	BQL	14	ug/kg	U	1
Dibromochloromethane	BQL	7.02	ug/kg	U	1
Ethylbenzene	BQL	7.02	ug/kg	U	1
Methylene Chloride	14.1	7.02	ug/kg		1
Styrene	BQL	7.02	ug/kg	U	1
Tetrachloroethene	BQL	7.02	ug/kg	U	1
Toluene	BQL	7.02	ug/kg	U	1
Trichloroethene	BQL	7.02	ug/kg	U	1
Vinyl Chloride	BQL	14	ug/kg	U	1
cis-1,2-Dichloroethene	BQL	7.02	ug/kg	U	1
cis-1,3-Dichloropropene	BQL	7.02	ug/kg	U	1
m,p-Xylenes	BQL	7.02	ug/kg	U	1
o-Xylene	BQL	7.02	ug/kg	U	1
trans-1,2-dichloroethene	BQL	7.02	ug/kg	U	1
trans-1,3-dichloropropene	BQL	7.02	ug/kg	U	1

Summary of Analytical Results

Client ID 09202000-TB
GPL ID: 9130-001-01-1/2
Matrix: Water
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: SW5030B
Prep Date: Sep-26-2000
Prep Time: 09:17
Prep Chemist: Abid Mahmood

Analytical Method: SW8260LL_TCL
Date Analyzed: Sep-26-2000
Time Analyzed 11:32
Analyst: Jannina S. Bryan

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	1	ug/L	U	1
1,1,2,2-Tetrachloroethane	BQL	1	ug/L	U	1
1,1,2-Trichloroethane	BQL	1	ug/L	U	1
1,1-Dichloroethane	BQL	1	ug/L	U	1
1,1-Dichloroethene	BQL	1	ug/L	U	1
1,2-Dichloroethane	BQL	1	ug/L	U	1
1,2-Dichloropropane	BQL	1	ug/L	U	1
2-Butanone	BQL	5	ug/L	U	1
2-Hexanone	BQL	5	ug/L	U	1
4-Methyl-2-Pentanone	BQL	5	ug/L	U	1
Acetone	BQL	5	ug/L	U	1
Benzene	BQL	1	ug/L	U	1
Bromodichloromethane	BQL	1	ug/L	U	1
Bromoform	BQL	1	ug/L	U	1
Bromomethane	BQL	1	ug/L	U	1
Carbon Disulfide	BQL	1	ug/L	U	1
Carbon Tetrachloride	BQL	1	ug/L	U	1
Chlorobenzene	BQL	1	ug/L	U	1
Chloroethane	BQL	1	ug/L	U	1
Chloroform	BQL	1	ug/L	U	1
Chloromethane	BQL	1	ug/L	U	1
Dibromochloromethane	BQL	1	ug/L	U	1
Ethylbenzene	BQL	1	ug/L	U	1
Methylene Chloride	2.94	1	ug/L		1
Styrene	BQL	1	ug/L	U	1
Tetrachloroethene	BQL	1	ug/L	U	1
Toluene	BQL	1	ug/L	U	1
Trichloroethene	BQL	1	ug/L	U	1
Vinyl Chloride	BQL	1	ug/L	U	1
cis-1,2-Dichloroethene	BQL	1	ug/L	U	1
cis-1,3-Dichloropropene	BQL	1	ug/L	U	1
m,p-Xylenes	BQL	1	ug/L	U	1
o-Xylene	BQL	1	ug/L	U	1
trans-1,2-dichloroethene	BQL	1	ug/L	U	1
trans-1,3-dichloropropene	BQL	1	ug/L	U	1

Summary of Analytical Results

Client ID AA2002
GPL ID: 9130-020-01-1/3
Matrix: Water
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: SW5030B
Prep Date: Sep-26-2000
Prep Time: 09:17
Prep Chemist: Abid Mahmood

Analytical Method: SW8260LL_TCL
Date Analyzed: Sep-26-2000
Time Analyzed 13:50
Analyst: Jannina S. Bryan

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	1	ug/L	U	1
1,1,2,2-Tetrachloroethane	BQL	1	ug/L	U	1
1,1,2-Trichloroethane	BQL	1	ug/L	U	1
1,1-Dichloroethane	BQL	1	ug/L	U	1
1,1-Dichloroethene	BQL	1	ug/L	U	1
1,2-Dichloroethane	BQL	1	ug/L	U	1
1,2-Dichloropropane	BQL	1	ug/L	U	1
2-Butanone	BQL	5	ug/L	U	1
2-Hexanone	BQL	5	ug/L	U	1
4-Methyl-2-Pentanone	BQL	5	ug/L	U	1
Acetone	BQL	5	ug/L	U	1
Benzene	BQL	1	ug/L	U	1
Bromodichloromethane	BQL	1	ug/L	U	1
Bromoform	BQL	1	ug/L	U	1
Bromomethane	BQL	1	ug/L	U	1
Carbon Disulfide	11.5	1	ug/L		1
Carbon Tetrachloride	BQL	1	ug/L	U	1
Chlorobenzene	BQL	1	ug/L	U	1
Chloroethane	BQL	1	ug/L	U	1
Chloroform	BQL	1	ug/L	U	1
Chloromethane	BQL	1	ug/L	U	1
Dibromochloromethane	BQL	1	ug/L	U	1
Ethylbenzene	BQL	1	ug/L	U	1
Methylene Chloride	3.51	1	ug/L		1
Styrene	BQL	1	ug/L	U	1
Tetrachloroethene	BQL	1	ug/L	U	1
Toluene	BQL	1	ug/L	U	1
Trichloroethene	BQL	1	ug/L	U	1
Vinyl Chloride	BQL	1	ug/L	U	1
cis-1,2-Dichloroethene	BQL	1	ug/L	U	1
cis-1,3-Dichloropropene	BQL	1	ug/L	U	1
m,p-Xylenes	BQL	1	ug/L	U	1
o-Xylene	BQL	1	ug/L	U	1
trans-1,2-dichloroethene	BQL	1	ug/L	U	1
trans-1,3-dichloropropene	BQL	1	ug/L	U	1

Summary of Analytical Results

Client ID AA2003
GPL ID: 9130-021-01-1/3
Matrix: Water
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: SW5030B
Prep Date: Sep-26-2000
Prep Time: 09:17
Prep Chemist: Abid Mahmood

Analytical Method: SW8260LL_TCL
Date Analyzed: Sep-26-2000
Time Analyzed 14:25
Analyst: Jannina S. Bryan

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	1	ug/L	U	1
1,1,2,2-Tetrachloroethane	BQL	1	ug/L	U	1
1,1,2-Trichloroethane	BQL	1	ug/L	U	1
1,1-Dichloroethane	BQL	1	ug/L	U	1
1,1-Dichloroethene	BQL	1	ug/L	U	1
1,2-Dichloroethane	BQL	1	ug/L	U	1
1,2-Dichloropropane	BQL	1	ug/L	U	1
2-Butanone	BQL	5	ug/L	U	1
2-Hexanone	BQL	5	ug/L	U	1
4-Methyl-2-Pentanone	BQL	5	ug/L	U	1
Acetone	BQL	5	ug/L	U	1
Benzene	BQL	1	ug/L	U	1
Bromodichloromethane	BQL	1	ug/L	U	1
Bromoform	BQL	1	ug/L	U	1
Bromomethane	BQL	1	ug/L	U	1
Carbon Disulfide	4.41	1	ug/L		1
Carbon Tetrachloride	BQL	1	ug/L	U	1
Chlorobenzene	BQL	1	ug/L	U	1
Chloroethane	BQL	1	ug/L	U	1
Chloroform	BQL	1	ug/L	U	1
Chloromethane	BQL	1	ug/L	U	1
Dibromochloromethane	BQL	1	ug/L	U	1
Ethylbenzene	BQL	1	ug/L	U	1
Methylene Chloride	3.69	1	ug/L		1
Styrene	BQL	1	ug/L	U	1
Tetrachloroethene	BQL	1	ug/L	U	1
Toluene	BQL	1	ug/L	U	1
Trichloroethene	BQL	1	ug/L	U	1
Vinyl Chloride	BQL	1	ug/L	U	1
cis-1,2-Dichloroethene	BQL	1	ug/L	U	1
cis-1,3-Dichloropropene	BQL	1	ug/L	U	1
m,p-Xylenes	BQL	1	ug/L	U	1
o-Xylene	BQL	1	ug/L	U	1
trans-1,2-dichloroethene	BQL	1	ug/L	U	1
trans-1,3-dichloropropene	BQL	1	ug/L	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AA2004
GPL ID: 9130-022-01-1/3
Matrix: Water
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: SW5030B
Prep Date: Sep-26-2000
Prep Time: 09:17
Prep Chemist: Abid Mahmood

Analytical Method: SW8260LL_TCL
Date Analyzed: Sep-26-2000
Time Analyzed 14:59
Analyst: Jannina S. Bryan

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	1	ug/L	U	1
1,1,2,2-Tetrachloroethane	BQL	1	ug/L	U	1
1,1,2-Trichloroethane	BQL	1	ug/L	U	1
1,1-Dichloroethane	BQL	1	ug/L	U	1
1,1-Dichloroethene	BQL	1	ug/L	U	1
1,2-Dichloroethane	BQL	1	ug/L	U	1
1,2-Dichloropropane	BQL	1	ug/L	U	1
2-Butanone	BQL	5	ug/L	U	1
2-Hexanone	BQL	5	ug/L	U	1
4-Methyl-2-Pentanone	BQL	5	ug/L	U	1
Acetone	BQL	5	ug/L	U	1
Benzene	BQL	1	ug/L	U	1
Bromodichloromethane	BQL	1	ug/L	U	1
Bromoform	BQL	1	ug/L	U	1
Bromomethane	BQL	1	ug/L	U	1
Carbon Disulfide	1.04	1	ug/L		1
Carbon Tetrachloride	BQL	1	ug/L	U	1
Chlorobenzene	BQL	1	ug/L	U	1
Chloroethane	BQL	1	ug/L	U	1
Chloroform	BQL	1	ug/L	U	1
Chloromethane	BQL	1	ug/L	U	1
Dibromochloromethane	BQL	1	ug/L	U	1
Ethylbenzene	BQL	1	ug/L	U	1
Methylene Chloride	3.65	1	ug/L		1
Styrene	BQL	1	ug/L	U	1
Tetrachloroethene	BQL	1	ug/L	U	1
Toluene	BQL	1	ug/L	U	1
Trichloroethene	BQL	1	ug/L	U	1
Vinyl Chloride	BQL	1	ug/L	U	1
cis-1,2-Dichloroethene	BQL	1	ug/L	U	1
cis-1,3-Dichloropropene	BQL	1	ug/L	U	1
m,p-Xylenes	BQL	1	ug/L	U	1
o-Xylene	BQL	1	ug/L	U	1
trans-1,2-dichloroethene	BQL	1	ug/L	U	1
trans-1,3-dichloropropene	BQL	1	ug/L	U	1

Summary of Analytical Results

Client ID AA2005
GPL ID: 9130-023-01-1/3
Matrix: Water
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: SW5030B
Prep Date: Sep-26-2000
Prep Time: 09:17
Prep Chemist: Abid Mahmood

Analytical Method: SW8260LL_TCL
Date Analyzed: Sep-26-2000
Time Analyzed 15:35
Analyst: Jannina S. Bryan

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	1	ug/L	U	1
1,1,2,2-Tetrachloroethane	BQL	1	ug/L	U	1
1,1,2-Trichloroethane	BQL	1	ug/L	U	1
1,1-Dichloroethane	BQL	1	ug/L	U	1
1,1-Dichloroethene	BQL	1	ug/L	U	1
1,2-Dichloroethane	BQL	1	ug/L	U	1
1,2-Dichloropropane	BQL	1	ug/L	U	1
2-Butanone	BQL	5	ug/L	U	1
2-Hexanone	BQL	5	ug/L	U	1
4-Methyl-2-Pentanone	BQL	5	ug/L	U	1
Acetone	BQL	5	ug/L	U	1
Benzene	BQL	1	ug/L	U	1
Bromodichloromethane	BQL	1	ug/L	U	1
Bromoform	BQL	1	ug/L	U	1
Bromomethane	BQL	1	ug/L	U	1
Carbon Disulfide	4.69	1	ug/L		1
Carbon Tetrachloride	BQL	1	ug/L	U	1
Chlorobenzene	BQL	1	ug/L	U	1
Chloroethane	BQL	1	ug/L	U	1
Chloroform	BQL	1	ug/L	U	1
Chloromethane	BQL	1	ug/L	U	1
Dibromochloromethane	BQL	1	ug/L	U	1
Ethylbenzene	BQL	1	ug/L	U	1
Methylene Chloride	3.75	1	ug/L		1
Styrene	BQL	1	ug/L	U	1
Tetrachloroethene	BQL	1	ug/L	U	1
Toluene	BQL	1	ug/L	U	1
Trichloroethene	BQL	1	ug/L	U	1
Vinyl Chloride	BQL	1	ug/L	U	1
cis-1,2-Dichloroethene	BQL	1	ug/L	U	1
cis-1,3-Dichloropropene	BQL	1	ug/L	U	1
m,p-Xylenes	BQL	1	ug/L	U	1
o-Xylene	BQL	1	ug/L	U	1
trans-1,2-dichloroethene	BQL	1	ug/L	U	1
trans-1,3-dichloropropene	BQL	1	ug/L	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AA2006
GPL ID: 9130-024-01-1/3
Matrix: Water
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: SW5030B
Prep Date: Sep-26-2000
Prep Time: 09:17
Prep Chemist: Abid Mahmood

Analytical Method: SW8260LL_TCL
Date Analyzed: Sep-26-2000
Time Analyzed 12:07
Analyst: Jannina S. Bryan

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	1	ug/L	U	1
1,1,2,2-Tetrachloroethane	BQL	1	ug/L	U	1
1,1,2-Trichloroethane	BQL	1	ug/L	U	1
1,1-Dichloroethane	BQL	1	ug/L	U	1
1,1-Dichloroethene	BQL	1	ug/L	U	1
1,2-Dichloroethane	BQL	1	ug/L	U	1
1,2-Dichloropropane	BQL	1	ug/L	U	1
2-Butanone	BQL	5	ug/L	U	1
2-Hexanone	BQL	5	ug/L	U	1
4-Methyl-2-Pentanone	BQL	5	ug/L	U	1
Acetone	BQL	5	ug/L	U	1
Benzene	BQL	1	ug/L	U	1
Bromodichloromethane	BQL	1	ug/L	U	1
Bromoform	BQL	1	ug/L	U	1
Bromomethane	BQL	1	ug/L	U	1
Carbon Disulfide	6.45	1	ug/L		1
Carbon Tetrachloride	BQL	1	ug/L	U	1
Chlorobenzene	BQL	1	ug/L	U	1
Chloroethane	BQL	1	ug/L	U	1
Chloroform	BQL	1	ug/L	U	1
Chloromethane	BQL	1	ug/L	U	1
Dibromochloromethane	BQL	1	ug/L	U	1
Ethylbenzene	BQL	1	ug/L	U	1
Methylene Chloride	2.05	1	ug/L		1
Styrene	BQL	1	ug/L	U	1
Tetrachloroethene	BQL	1	ug/L	U	1
Toluene	BQL	1	ug/L	U	1
Trichloroethene	BQL	1	ug/L	U	1
Vinyl Chloride	BQL	1	ug/L	U	1
cis-1,2-Dichloroethene	BQL	1	ug/L	U	1
cis-1,3-Dichloropropene	BQL	1	ug/L	U	1
m,p-Xylenes	BQL	1	ug/L	U	1
o-Xylene	BQL	1	ug/L	U	1
trans-1,2-dichloroethene	BQL	1	ug/L	U	1
trans-1,3-dichloropropene	BQL	1	ug/L	U	1

Summary of Analytical Results

Client ID AA2007
GPL ID: 9130-025-01-1/3
Matrix: Water
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: SW5030B
Prep Date: Sep-26-2000
Prep Time: 09:17
Prep Chemist: Abid Mahmood

Analytical Method: SW8260LL_TCL
Date Analyzed: Sep-26-2000
Time Analyzed 16:09
Analyst: Jannina S. Bryan

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	1	ug/L	U	1
1,1,2,2-Tetrachloroethane	BQL	1	ug/L	U	1
1,1,2-Trichloroethane	BQL	1	ug/L	U	1
1,1-Dichloroethane	BQL	1	ug/L	U	1
1,1-Dichloroethene	BQL	1	ug/L	U	1
1,2-Dichloroethane	BQL	1	ug/L	U	1
1,2-Dichloropropane	BQL	1	ug/L	U	1
2-Butanone	BQL	5	ug/L	U	1
2-Hexanone	BQL	5	ug/L	U	1
4-Methyl-2-Pentanone	BQL	5	ug/L	U	1
Acetone	2.95	5	ug/L	J	1
Benzene	BQL	1	ug/L	U	1
Bromodichloromethane	BQL	1	ug/L	U	1
Bromoform	BQL	1	ug/L	U	1
Bromomethane	BQL	1	ug/L	U	1
Carbon Disulfide	3.59	1	ug/L		1
Carbon Tetrachloride	BQL	1	ug/L	U	1
Chlorobenzene	BQL	1	ug/L	U	1
Chloroethane	BQL	1	ug/L	U	1
Chloroform	BQL	1	ug/L	U	1
Chloromethane	BQL	1	ug/L	U	1
Dibromochloromethane	BQL	1	ug/L	U	1
Ethylbenzene	BQL	1	ug/L	U	1
Methylene Chloride	3.55	1	ug/L		1
Styrene	BQL	1	ug/L	U	1
Tetrachloroethene	BQL	1	ug/L	U	1
Toluene	BQL	1	ug/L	U	1
Trichloroethene	BQL	1	ug/L	U	1
Vinyl Chloride	BQL	1	ug/L	U	1
cis-1,2-Dichloroethene	BQL	1	ug/L	U	1
cis-1,3-Dichloropropene	BQL	1	ug/L	U	1
m,p-Xylenes	BQL	1	ug/L	U	1
o-Xylene	BQL	1	ug/L	U	1
trans-1,2-dichloroethene	BQL	1	ug/L	U	1
trans-1,3-dichloropropene	BQL	1	ug/L	U	1

Summary of Analytical Results

Client ID AA2009
GPL ID: 9130-026-01-1/3
Matrix: Water
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: SW5030B
Prep Date: Sep-26-2000
Prep Time: 09:17
Prep Chemist: Abid Mahmood

Analytical Method: SW8260LL_TCL
Date Analyzed: Sep-26-2000
Time Analyzed 16:44
Analyst: Jannina S. Bryan

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	1	ug/L	U	1
1,1,2,2-Tetrachloroethane	BQL	1	ug/L	U	1
1,1,2-Trichloroethane	BQL	1	ug/L	U	1
1,1-Dichloroethane	BQL	1	ug/L	U	1
1,1-Dichloroethene	BQL	1	ug/L	U	1
1,2-Dichloroethane	BQL	1	ug/L	U	1
1,2-Dichloropropane	BQL	1	ug/L	U	1
2-Butanone	BQL	5	ug/L	U	1
2-Hexanone	BQL	5	ug/L	U	1
4-Methyl-2-Pentanone	BQL	5	ug/L	U	1
Acetone	BQL	5	ug/L	U	1
Benzene	BQL	1	ug/L	U	1
Bromodichloromethane	BQL	1	ug/L	U	1
Bromoform	BQL	1	ug/L	U	1
Bromomethane	BQL	1	ug/L	U	1
Carbon Disulfide	1.59	1	ug/L		1
Carbon Tetrachloride	BQL	1	ug/L	U	1
Chlorobenzene	BQL	1	ug/L	U	1
Chloroethane	BQL	1	ug/L	U	1
Chloroform	BQL	1	ug/L	U	1
Chloromethane	BQL	1	ug/L	U	1
Dibromochloromethane	BQL	1	ug/L	U	1
Ethylbenzene	BQL	1	ug/L	U	1
Methylene Chloride	3.74	1	ug/L		1
Styrene	BQL	1	ug/L	U	1
Tetrachloroethene	BQL	1	ug/L	U	1
Toluene	BQL	1	ug/L	U	1
Trichloroethene	BQL	1	ug/L	U	1
Vinyl Chloride	BQL	1	ug/L	U	1
cis-1,2-Dichloroethene	BQL	1	ug/L	U	1
cis-1,3-Dichloropropene	BQL	1	ug/L	U	1
m,p-Xylenes	BQL	1	ug/L	U	1
o-Xylene	BQL	1	ug/L	U	1
trans-1,2-dichloroethene	BQL	1	ug/L	U	1
trans-1,3-dichloropropene	BQL	1	ug/L	U	1

Summary of Analytical Results

Client ID AA2010
GPL ID: 9130-027-01-1/3
Matrix: Water
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: SW5030B
Prep Date: Sep-26-2000
Prep Time: 09:17
Prep Chemist: Abid Mahmood

Analytical Method: SW8260LL_TCL
Date Analyzed: Sep-26-2000
Time Analyzed 17:19
Analyst: Jannina S. Bryan

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	1	ug/L	U	1
1,1,2,2-Tetrachloroethane	BQL	1	ug/L	U	1
1,1,2-Trichloroethane	BQL	1	ug/L	U	1
1,1-Dichloroethane	BQL	1	ug/L	U	1
1,1-Dichloroethene	BQL	1	ug/L	U	1
1,2-Dichloroethane	BQL	1	ug/L	U	1
1,2-Dichloropropane	BQL	1	ug/L	U	1
2-Butanone	BQL	5	ug/L	U	1
2-Hexanone	BQL	5	ug/L	U	1
4-Methyl-2-Pentanone	BQL	5	ug/L	U	1
Acetone	BQL	5	ug/L	U	1
Benzene	BQL	1	ug/L	U	1
Bromodichloromethane	BQL	1	ug/L	U	1
Bromoform	BQL	1	ug/L	U	1
Bromomethane	BQL	1	ug/L	U	1
Carbon Disulfide	6.80	1	ug/L		1
Carbon Tetrachloride	BQL	1	ug/L	U	1
Chlorobenzene	BQL	1	ug/L	U	1
Chloroethane	BQL	1	ug/L	U	1
Chloroform	BQL	1	ug/L	U	1
Chloromethane	BQL	1	ug/L	U	1
Dibromochloromethane	BQL	1	ug/L	U	1
Ethylbenzene	BQL	1	ug/L	U	1
Methylene Chloride	3.32	1	ug/L		1
Styrene	BQL	1	ug/L	U	1
Tetrachloroethene	BQL	1	ug/L	U	1
Toluene	BQL	1	ug/L	U	1
Trichloroethene	BQL	1	ug/L	U	1
Vinyl Chloride	BQL	1	ug/L	U	1
cis-1,2-Dichloroethene	BQL	1	ug/L	U	1
cis-1,3-Dichloropropene	BQL	1	ug/L	U	1
m,p-Xylenes	BQL	1	ug/L	U	1
o-Xylene	BQL	1	ug/L	U	1
trans-1,2-dichloroethene	BQL	1	ug/L	U	1
trans-1,3-dichloropropene	BQL	1	ug/L	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AA2011
GPL ID: 9130-028-01-1/3
Matrix: Water
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: SW5030B
Prep Date: Sep-26-2000
Prep Time: 09:17
Prep Chemist: Abid Mahmood

Analytical Method: SW8260LL_TCL
Date Analyzed: Sep-26-2000
Time Analyzed 17:53
Analyst: Jannina S. Bryan

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	1	ug/L	U	1
1,1,2,2-Tetrachloroethane	BQL	1	ug/L	U	1
1,1,2-Trichloroethane	BQL	1	ug/L	U	1
1,1-Dichloroethane	BQL	1	ug/L	U	1
1,1-Dichloroethene	BQL	1	ug/L	U	1
1,2-Dichloroethane	BQL	1	ug/L	U	1
1,2-Dichloropropane	BQL	1	ug/L	U	1
2-Butanone	BQL	5	ug/L	U	1
2-Hexanone	BQL	5	ug/L	U	1
4-Methyl-2-Pentanone	BQL	5	ug/L	U	1
Acetone	BQL	5	ug/L	U	1
Benzene	BQL	1	ug/L	U	1
Bromodichloromethane	BQL	1	ug/L	U	1
Bromoform	BQL	1	ug/L	U	1
Bromomethane	BQL	1	ug/L	U	1
Carbon Disulfide	BQL	1	ug/L	U	1
Carbon Tetrachloride	BQL	1	ug/L	U	1
Chlorobenzene	BQL	1	ug/L	U	1
Chloroethane	BQL	1	ug/L	U	1
Chloroform	BQL	1	ug/L	U	1
Chloromethane	BQL	1	ug/L	U	1
Dibromochloromethane	BQL	1	ug/L	U	1
Ethylbenzene	BQL	1	ug/L	U	1
Methylene Chloride	3.32	1	ug/L		1
Styrene	BQL	1	ug/L	U	1
Tetrachloroethene	BQL	1	ug/L	U	1
Toluene	BQL	1	ug/L	U	1
Trichloroethene	BQL	1	ug/L	U	1
Vinyl Chloride	BQL	1	ug/L	U	1
cis-1,2-Dichloroethene	BQL	1	ug/L	U	1
cis-1,3-Dichloropropene	BQL	1	ug/L	U	1
m,p-Xylenes	BQL	1	ug/L	U	1
o-Xylene	BQL	1	ug/L	U	1
trans-1,2-dichloroethene	BQL	1	ug/L	U	1
trans-1,3-dichloropropene	BQL	1	ug/L	U	1

2B
SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: GPL LABORATORIES, LLLP Contract: PLUMBROOK_ORDN

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Level: (low/med) LOW

	CLIENT SAMPLE NO.	SMC1 #	SMC2 #	SMC3 #	SMC4 #	TOT OUT
01	BLK6989	98	101	111	114	0
02	BKS6989	118	101	101	102	0
03	AA1002	111	101	96	84	0
04	AA1003	108	98	106	110	0
05	AA1004	107	102	104	103	0
06	AA1004 MS	112	109	107	104	0
07	AA1004 MSD	102	102	101	101	0
08	AA1005	114	104	104	104	0
09	AA1006	107	110	95	93	0
10	AA1007	107	107	102	98	0
11	AA1009	108	105	101	97	0
12	AA1010	104	104	99	98	0
13	AA1011	111	109	100	101	0
14	AA1013	116	104	102	104	0
15	AA1014	108	104	98	95	0
16	BLK7029	114	102	103	103	0
17	BKS7029	119	105	105	107	0
18	AA1015	108	100	98	96	0
19	AA1016	104	100	97	99	0
20	AA1017	110	108	106	103	0

			QC LIMITS
SMC1	=	1,2-Dichloroethane-d4	(72-129)
SMC2	=	Toluene-d8	(68-122)
SMC3	=	4-Bromofluorobenzene	(71-122)
SMC4	=	1,2-Dichlorobenzene-d4	(68-138)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

2A

WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: GPL LABORATORIES, LLLP Contract: PLUMBROOK_ORDN

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

	CLIENT SAMPLE NO.	SMC1 #	SMC2 #	SMC3 #	SMC4 #	TOT OUT
01	BLK7007	107	107	99	97	0
02	BKS7007	104	96	98	99	0
03	09202000-TB	99	102	95	89	0
04	AA2006	93	96	89	86	0
05	AA2006 MS	97	99	101	101	0
06	AA2006 MSD	99	101	102	104	0
07	AA2002	97	106	95	87	0
08	AA2003	112	105	98	97	0
09	AA2004	105	99	94	91	0
10	AA2005	113	96	95	91	0
11	AA2007	106	97	94	89	0
12	AA2009	113	110	108	104	0
13	AA2010	116	103	101	97	0
14	AA2011	108	107	103	99	0

			QC LIMITS
SMC1	=	1,2-Dichloroethane-d4	(77-133)
SMC2	=	Toluene-d8	(74-128)
SMC3	=	4-Bromofluorobenzene	(81-125)
SMC4	=	1,2-Dichlorobenzene-d4	(76-134)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

0 1004

3B
SOIL VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: GPL LABORATORIES, LLLP Contract: PLUMBROOK_O

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Matrix Spike - EPA Sample No.: AA1004 Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC LIMITS REC.
1,1-Dichloroethene	64	0.0	52	81	39 - 147
Benzene	64	0.0	54	84	36 - 150
Trichloroethene	64	0.0	53	83	33 - 150
Toluene	64	0.0	53	83	34 - 151
Chlorobenzene	64	0.0	55	86	33 - 143

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	64	53	83	2	25	39 - 147
Benzene	64	56	88	5	25	36 - 150
Trichloroethene	64	53	83	0	25	33 - 150
Toluene	64	54	84	1	25	34 - 151
Chlorobenzene	64	56	88	2	25	33 - 143

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 5 outside limits

Spike Recovery: 0 out of 10 outside limits

COMMENTS:

3A

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: GPL LABORATORIES, LLLP Contract: PLUMBROOK_O

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Matrix Spike - EPA Sample No.: AA2006

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
1,1-Dichloroethene	10	0.0	9.7	97	51 - 134
Benzene	10	0.0	9.8	98	61 - 120
Trichloroethene	10	0.0	9.4	94	44 - 139
Toluene	10	0.0	9.5	95	53 - 118
Chlorobenzene	10	0.0	9.8	98	68 - 125

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	10	10	100	3	25	51 - 134
Benzene	10	10	100	2	25	61 - 120
Trichloroethene	10	9.5	95	1	25	44 - 139
Toluene	10	9.7	97	2	25	53 - 118
Chlorobenzene	10	10	100	2	25	68 - 125

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 5 outside limits

Spike Recovery: 0 out of 10 outside limits

COMMENTS:

0 1006

LAB CONTROL STANDARD RECOVERY

Lab Name:	GPL LABORATORIES, LLLP			Contract:	PLUMBROOK_ORDN
Case No.:	N/A			SDG No.:	N/A
Lab Code:	GPLL			Lab Sample ID:	BKS1
Lab File ID:	A27222.D	Matrix:	SOIL	Date Analyzed:	9/26/00

COMPOUND	LCS ADDED (ugKg)	CONCENTRATION FOUND (ug/Kg)	PERCENT RECOVERY #	INTERNAL LABORATORY LIMITS
Vinyl Chloride	50	38	76	29-148
1,1-Dichloroethene	50	40	80	40-150
Chloroform	50	49	98	61-146
1,1,1-Trichloroethane	50	51	102	59-155
Carbon Tetrachloride	50	54	108	61-152
Benzene	50	45	90	59-153
1,2-Dichloroethane	50	53	106	63-151
Trichloroethene	50	45	90	55-145
Bromodichloromethane	50	51	102	65-151
Dibromochloromethane	50	51	102	52-155
Bromoform	50	51	102	36-150

* Value outside internal laboratory limits

Comments: _____

LAB CONTROL STANDARD RECOVERY

Lab Name:	GPL LABORATORIES, LLLP			Contract:	PLUMBROOK_ORDN
Case No.:	N/A			SDG No.:	N/A
Lab Code:	GPLL			Lab Sample ID:	BKS1
Lab File ID:	A27242.D	Matrix:	SOIL	Date Analyzed:	9/27/00

COMPOUND	LCS ADDED (ugKg)	CONCENTRATION FOUND (ug/Kg)	PERCENT RECOVERY #	INTERNAL LABORATORY LIMITS
Vinyl Chloride	50	36	72	29-148
1,1-Dichloroethene	50	42	84	40-150
Chloroform	50	50	100	61-146
1,1,1-Trichloroethane	50	53	106	59-155
Carbon Tetrachloride	50	52	104	61-152
Benzene	50	46	92	59-153
1,2-Dichloroethane	50	51	102	63-151
Trichloroethene	50	45	90	55-145
Bromodichloromethane	50	49	98	65-151
Dibromochloromethane	50	48	96	52-155
Bromoform	50	50	100	36-150

* Value outside internal laboratory limits

Comments: _____

LAB CONTROL STANDARD RECOVERY

Lab Name:	GPL LABORATORIES, LLLP			Contract:	PLUMBROOK_ORDN
Case No.:	N/A			SDG No.:	N/A
Lab Code:	GPLL			Lab Sample ID:	BKS0926
Lab File ID:	B26475.D	Matrix:	WATER	Date Analyzed:	9/26/00

COMPOUND	LCS ADDED (ug/L)	CONCENTRATION FOUND (ug/L)	PERCENT RECOVERY #	INTERNAL LABORATORY LIMITS
Vinyl Chloride	10	9.4	94	42-126
1,1-Dichloroethene	10	9.6	96	51-134
Chloroform	10	9.4	94	64-139
1,1,1-Trichloroethane	10	9.7	97	64-150
Carbon Tetrachloride	10	11.5	115	49-169
Benzene	10	10.7	107	61-120
1,2-Dichloroethane	10	11.0	110	64-141
Trichloroethene	10	9.4	94	44-139
Bromodichloromethane	10	10.1	101	60-142
Dibromochloromethane	10	9.8	98	54-164
Bromoform	10	9.0	90	46-156

* Value outside internal laboratory limits

Comments: _____

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

BLK6989

Lab Name: GPL LABORATORIES, LLLP Contract: PLUMBRO

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Lab File ID: A27221.D Lab Sample ID: BLK1

Date Analyzed: 09/26/00 Time Analyzed: 09:06

GC Column: RTXVO ID: 0.53 (mm) Heated Purge: (Y/N) Y

Instrument ID: HP#A

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	BKS6989	BKS1	A27222.D	09:47
02	AA1002	9130-002-01-1/2	A27224.D	11:30
03	AA1003	9130-003-01-1/2	A27225.D	12:25
04	AA1004	9130-004-01-1/2	A27226.D	13:05
05	AA1004 MS	9130-005-01-1/2MS	A27227.D	13:44
06	AA1004 MSD	9130-006-01-1/2MSD	A27228.D	14:24
07	AA1005	9130-007-01-1/2	A27229.D	15:03
08	AA1006	9130-008-01-1/2	A27230.D	15:43
09	AA1007	9130-009-01-1/2	A27231.D	16:23
10	AA1009	9130-010-01-1/2	A27232.D	17:03
11	AA1010	9130-011-01-1/2	A27233.D	17:42
12	AA1011	9130-012-01-1/2	A27234.D	18:22
13	AA1013	9130-013-01-1/2	A27235.D	19:02
14	AA1014	9130-014-01-1/2	A27236.D	19:41

COMMENTS

0 1010

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

BLK7029

Lab Name: GPL LABORATORIES, LLLP Contract: PLUMBRO

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Lab File ID: A27241.D Lab Sample ID: BLK1

Date Analyzed: 09/27/00 Time Analyzed: 09:27

GC Column: RTXVO ID: 0.53 (mm) Heated Purge: (Y/N) Y

Instrument ID: HP#A

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	BKS7029	BKS1	A27242.D	10:08
02	AA1015	9130-015-01-1/2	A27243.D	10:48
03	AA1016	9130-016-01-1/2	A27244.D	11:28
04	AA1017	9130-017-01-1/2	A27245.D	12:08

COMMENTS

0 1011

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

BLK7007

Lab Name: GPL LABORATORIES, LLLP Contract: PLUMBRO

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Lab File ID: B26475.D Lab Sample ID: BLK0926

Date Analyzed: 09/26/00 Time Analyzed: 10:18

GC Column: RTXVO ID: 0.53 (mm) Heated Purge: (Y/N) N

Instrument ID: 5970-B

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	BKS7007	BKS0926	B26476.D	10:58
02	09202000-TB	9130-001-01-1	B26477.D	11:32
03	AA2006	9130-024-01-1	B26478.D	12:07
04	AA2006 MS	9130-018-01-1 S	B26479.D	12:41
05	AA2006 MSD	9130-018-01-1 SD	B26480.D	13:15
06	AA2002	9130-020-01-1	B26481.D	13:50
07	AA2003	9130-021-01-1	B26482.D	14:25
08	AA2004	9130-022-01-1	B26483.D	14:59
09	AA2005	9130-023-01-1	B26484.D	15:35
10	AA2007	9130-025-01-1	B26485.D	16:09
11	AA2009	9130-026-01-1	B26486.D	16:44
12	AA2010	9130-027-01-1	B26487.D	17:19
13	AA2011	9130-028-01-1	B26488.D	17:53

COMMENTS

0 1012

Summary of Analytical Results

Client ID AA2002
GPL ID: 9130-020-07-1/2
Matrix: Water
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: SW3520C
Prep Date: Sep-25-2000
Prep Time: 07:29
Prep Chemist: Veena Telhan

Analytical Method: SW8270CTCL
Date Analyzed: Oct-07-2000
Time Analyzed 09:26
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	11	ug/L	U	1
1,2-Dichlorobenzene	BQL	11	ug/L	U	1
1,3-Dichlorobenzene	BQL	11	ug/L	U	1
1,4-Dichlorobenzene	BQL	11	ug/L	U	1
2,2-Oxybis(1-Chloro)Propane	BQL	11	ug/L	U	1
2,4,5-Trichlorophenol	BQL	11	ug/L	U	1
2,4,6-Trichlorophenol	BQL	11	ug/L	U	1
2,4-Dichlorophenol	BQL	11	ug/L	U	1
2,4-Dimethylphenol	BQL	11	ug/L	U	1
2,4-Dinitrophenol	BQL	22	ug/L	U	1
2,4-Dinitrotoluene	BQL	11	ug/L	U	1
2,6-Dinitrotoluene	BQL	11	ug/L	U	1
2-Chloronaphthalene	BQL	11	ug/L	U	1
2-Chlorophenol	BQL	11	ug/L	U	1
2-Methylnaphthalene	BQL	11	ug/L	U	1
2-Nitroaniline	BQL	11	ug/L	U	1
2-Nitrophenol	BQL	11	ug/L	U	1
2-methylphenol	BQL	11	ug/L	U	1
3,3-Dichlorobenzidine	BQL	22	ug/L	U	1
3-Nitroaniline	BQL	11	ug/L	U	1
4,6-dinitro-2-methyl phenol	BQL	22	ug/L	U	1
4-Bromophenyl-phenylether	BQL	11	ug/L	U	1
4-Chloroaniline	BQL	11	ug/L	U	1
4-Chlorophenyl Phenyl Ether	BQL	11	ug/L	U	1
4-Nitroaniline	BQL	11	ug/L	U	1
4-Nitrophenol	BQL	22	ug/L	U	1
4-chloro-3-methylphenol	BQL	11	ug/L	U	1
4-methylphenol	BQL	11	ug/L	U	1
Acenaphthene	BQL	11	ug/L	U	1
Acenaphthylene	BQL	11	ug/L	U	1
Anthracene	BQL	11	ug/L	U	1
Benzo(a)anthracene	BQL	11	ug/L	U	1
Benzo(a)pyrene	BQL	11	ug/L	U	1
Benzo(b)fluoranthene	BQL	11	ug/L	U	1
Benzo(g,h,i)perylene	BQL	11	ug/L	U	1
Benzo(k)fluoranthene	BQL	11	ug/L	U	1
Benzyl Butyl Phthalate	BQL	11	ug/L	U	1
Carbazole	BQL	11	ug/L	U	1
Chrysene	BQL	11	ug/L	U	1

Summary of Analytical Results

Client ID AA2002
GPL ID: 9130-020-07-1/2
Matrix: Water
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: SW3520C
Prep Date: Sep-25-2000
Prep Time: 07:29
Prep Chemist: Veena Telhan

Analytical Method: SW8270CTCL
Date Analyzed: Oct-07-2000
Time Analyzed 09:26
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	11	ug/L	U	1
Dibenzofuran	BQL	11	ug/L	U	1
Diethyl Phthalate	BQL	11	ug/L	U	1
Dimethyl Phthalate	BQL	11	ug/L	U	1
Fluoranthene	BQL	11	ug/L	U	1
Fluorene	BQL	11	ug/L	U	1
Hexachlorobenzene	BQL	11	ug/L	U	1
Hexachlorobutadiene	BQL	11	ug/L	U	1
Hexachlorocyclopentadiene	BQL	11	ug/L	U	1
Hexachloroethane	BQL	11	ug/L	U	1
Indeno(1,2,3-c,d)Pyrene	BQL	11	ug/L	U	1
Isophorone	BQL	11	ug/L	U	1
Naphthalene	BQL	11	ug/L	U	1
Nitrobenzene	BQL	11	ug/L	U	1
Pentachlorophenol	BQL	22	ug/L	U	1
Phenanthrene	BQL	11	ug/L	U	1
Phenol	BQL	11	ug/L	U	1
Pyrene	BQL	11	ug/L	U	1
bis(2-chloroethoxy) methane	BQL	11	ug/L	U	1
bis(2-chloroethyl) ether	BQL	11	ug/L	U	1
bis(2-ethylhexyl) phthalate	BQL	11	ug/L	U	1
di-n-Butyl Phthalate	BQL	11	ug/L	U	1
di-n-Octyl Phthalate	BQL	11	ug/L	U	1
n-Nitrosodi-n-Propylamine	BQL	11	ug/L	U	1
n-Nitrosodiphenylamine	BQL	11	ug/L	U	1

Summary of Analytical Results

Client ID AA2003
GPL ID: 9130-021-07-1/2
Matrix: Water
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: SW3520C
Prep Date: Sep-25-2000
Prep Time: 07:29
Prep Chemist: Veena Telhan

Analytical Method: SW8270CTCL
Date Analyzed: Oct-07-2000
Time Analyzed 10:18
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	11.5	ug/L	U	1
1,2-Dichlorobenzene	BQL	11.5	ug/L	U	1
1,3-Dichlorobenzene	BQL	11.5	ug/L	U	1
1,4-Dichlorobenzene	BQL	11.5	ug/L	U	1
2,2-Oxybis(1-Chloro)Propane	BQL	11.5	ug/L	U	1
2,4,5-Trichlorophenol	BQL	11.5	ug/L	U	1
2,4,6-Trichlorophenol	BQL	11.5	ug/L	U	1
2,4-Dichlorophenol	BQL	11.5	ug/L	U	1
2,4-Dimethylphenol	BQL	11.5	ug/L	U	1
2,4-Dinitrophenol	BQL	23	ug/L	U	1
2,4-Dinitrotoluene	BQL	11.5	ug/L	U	1
2,6-Dinitrotoluene	BQL	11.5	ug/L	U	1
2-Chloronaphthalene	BQL	11.5	ug/L	U	1
2-Chlorophenol	BQL	11.5	ug/L	U	1
2-Methylnaphthalene	BQL	11.5	ug/L	U	1
2-Nitroaniline	BQL	11.5	ug/L	U	1
2-Nitrophenol	BQL	11.5	ug/L	U	1
2-methylphenol	BQL	11.5	ug/L	U	1
3,3-Dichlorobenzidine	BQL	23	ug/L	U	1
3-Nitroaniline	BQL	11.5	ug/L	U	1
4,6-dinitro-2-methyl phenol	BQL	23	ug/L	U	1
4-Bromophenyl-phenylether	BQL	11.5	ug/L	U	1
4-Chloroaniline	BQL	11.5	ug/L	U	1
4-Chlorophenyl Phenyl Ether	BQL	11.5	ug/L	U	1
4-Nitroaniline	BQL	11.5	ug/L	U	1
4-Nitrophenol	BQL	23	ug/L	U	1
4-chloro-3-methylphenol	BQL	11.5	ug/L	U	1
4-methylphenol	BQL	11.5	ug/L	U	1
Acenaphthene	BQL	11.5	ug/L	U	1
Acenaphthylene	BQL	11.5	ug/L	U	1
Anthracene	BQL	11.5	ug/L	U	1
Benzo(a)anthracene	BQL	11.5	ug/L	U	1
Benzo(a)pyrene	BQL	11.5	ug/L	U	1
Benzo(b)fluoranthene	BQL	11.5	ug/L	U	1
Benzo(g,h,i)perylene	BQL	11.5	ug/L	U	1
Benzo(k)fluoranthene	BQL	11.5	ug/L	U	1
Benzyl Butyl Phthalate	BQL	11.5	ug/L	U	1
Carbazole	BQL	11.5	ug/L	U	1
Chrysene	BQL	11.5	ug/L	U	1

Summary of Analytical Results

Client ID AA2003
GPL ID: 9130-021-07-1/2
Matrix: Water
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: SW3520C
Prep Date: Sep-25-2000
Prep Time: 07:29
Prep Chemist: Veena Telhan

Analytical Method: SW8270CTCL
Date Analyzed: Oct-07-2000
Time Analyzed 10:18
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	11.5	ug/L	U	1
Dibenzofuran	BQL	11.5	ug/L	U	1
Diethyl Phthalate	BQL	11.5	ug/L	U	1
Dimethyl Phthalate	BQL	11.5	ug/L	U	1
Fluoranthene	BQL	11.5	ug/L	U	1
Fluorene	BQL	11.5	ug/L	U	1
Hexachlorobenzene	BQL	11.5	ug/L	U	1
Hexachlorobutadiene	BQL	11.5	ug/L	U	1
Hexachlorocyclopentadiene	BQL	11.5	ug/L	U	1
Hexachloroethane	BQL	11.5	ug/L	U	1
Indeno(1,2,3-c,d)Pyrene	BQL	11.5	ug/L	U	1
Isophorone	BQL	11.5	ug/L	U	1
Naphthalene	BQL	11.5	ug/L	U	1
Nitrobenzene	BQL	11.5	ug/L	U	1
Pentachlorophenol	BQL	23	ug/L	U	1
Phenanthrene	BQL	11.5	ug/L	U	1
Phenol	BQL	11.5	ug/L	U	1
Pyrene	BQL	11.5	ug/L	U	1
bis(2-chloroethoxy) methane	BQL	11.5	ug/L	U	1
bis(2-chloroethyl) ether	BQL	11.5	ug/L	U	1
bis(2-ethylhexyl) phthalate	BQL	11.5	ug/L	U	1
di-n-Butyl Phthalate	BQL	11.5	ug/L	U	1
di-n-Octyl Phthalate	BQL	11.5	ug/L	U	1
n-Nitrosodi-n-Propylamine	BQL	11.5	ug/L	U	1
n-Nitrosodiphenylamine	BQL	11.5	ug/L	U	1

Summary of Analytical Results

Client ID AA2004
GPL ID: 9130-022-07-1/2
Matrix: Water
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: SW3520C
Prep Date: Sep-25-2000
Prep Time: 07:29
Prep Chemist: Veena Telhan

Analytical Method: SW8270CTCL
Date Analyzed: Oct-07-2000
Time Analyzed 11:10
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	11	ug/L	U	1
1,2-Dichlorobenzene	BQL	11	ug/L	U	1
1,3-Dichlorobenzene	BQL	11	ug/L	U	1
1,4-Dichlorobenzene	BQL	11	ug/L	U	1
2,2-Oxybis(1-Chloro)Propane	BQL	11	ug/L	U	1
2,4,5-Trichlorophenol	BQL	11	ug/L	U	1
2,4,6-Trichlorophenol	BQL	11	ug/L	U	1
2,4-Dichlorophenol	BQL	11	ug/L	U	1
2,4-Dimethylphenol	BQL	11	ug/L	U	1
2,4-Dinitrophenol	BQL	22	ug/L	U	1
2,4-Dinitrotoluene	BQL	11	ug/L	U	1
2,6-Dinitrotoluene	BQL	11	ug/L	U	1
2-Chloronaphthalene	BQL	11	ug/L	U	1
2-Chlorophenol	BQL	11	ug/L	U	1
2-Methylnaphthalene	BQL	11	ug/L	U	1
2-Nitroaniline	BQL	11	ug/L	U	1
2-Nitrophenol	BQL	11	ug/L	U	1
2-methylphenol	BQL	11	ug/L	U	1
3,3-Dichlorobenzidine	BQL	22	ug/L	U	1
3-Nitroaniline	BQL	11	ug/L	U	1
4,6-dinitro-2-methyl phenol	BQL	22	ug/L	U	1
4-Bromophenyl-phenylether	BQL	11	ug/L	U	1
4-Chloroaniline	BQL	11	ug/L	U	1
4-Chlorophenyl Phenyl Ether	BQL	11	ug/L	U	1
4-Nitroaniline	BQL	11	ug/L	U	1
4-Nitrophenol	BQL	22	ug/L	U	1
4-chloro-3-methylphenol	BQL	11	ug/L	U	1
4-methylphenol	BQL	11	ug/L	U	1
Acenaphthene	BQL	11	ug/L	U	1
Acenaphthylene	BQL	11	ug/L	U	1
Anthracene	BQL	11	ug/L	U	1
Benzo(a)anthracene	BQL	11	ug/L	U	1
Benzo(a)pyrene	BQL	11	ug/L	U	1
Benzo(b)fluoranthene	BQL	11	ug/L	U	1
Benzo(g,h,i)perylene	BQL	11	ug/L	U	1
Benzo(k)fluoranthene	BQL	11	ug/L	U	1
Benzyl Butyl Phthalate	BQL	11	ug/L	U	1
Carbazole	BQL	11	ug/L	U	1
Chrysene	BQL	11	ug/L	U	1

Summary of Analytical Results

Client ID AA2004
GPL ID: 9130-022-07-1/2
Matrix: Water
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: SW3520C
Prep Date: Sep-25-2000
Prep Time: 07:29
Prep Chemist: Veena Telhan

Analytical Method: SW8270CTCL
Date Analyzed: Oct-07-2000
Time Analyzed 11:10
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	11	ug/L	U	1
Dibenzofuran	BQL	11	ug/L	U	1
Diethyl Phthalate	BQL	11	ug/L	U	1
Dimethyl Phthalate	BQL	11	ug/L	U	1
Fluoranthene	BQL	11	ug/L	U	1
Fluorene	BQL	11	ug/L	U	1
Hexachlorobenzene	BQL	11	ug/L	U	1
Hexachlorobutadiene	BQL	11	ug/L	U	1
Hexachlorocyclopentadiene	BQL	11	ug/L	U	1
Hexachloroethane	BQL	11	ug/L	U	1
Indeno(1,2,3-c,d)Pyrene	BQL	11	ug/L	U	1
Isophorone	BQL	11	ug/L	U	1
Naphthalene	BQL	11	ug/L	U	1
Nitrobenzene	BQL	11	ug/L	U	1
Pentachlorophenol	BQL	22	ug/L	U	1
Phenanthrene	BQL	11	ug/L	U	1
Phenol	BQL	11	ug/L	U	1
Pyrene	BQL	11	ug/L	U	1
bis(2-chloroethoxy) methane	BQL	11	ug/L	U	1
bis(2-chloroethyl) ether	BQL	11	ug/L	U	1
bis(2-ethylhexyl) phthalate	BQL	11	ug/L	U	1
di-n-Butyl Phthalate	BQL	11	ug/L	U	1
di-n-Octyl Phthalate	BQL	11	ug/L	U	1
n-Nitrosodi-n-Propylamine	BQL	11	ug/L	U	1
n-Nitrosodiphenylamine	BQL	11	ug/L	U	1

Summary of Analytical Results

Client ID AA2005
GPL ID: 9130-023-07-1/2
Matrix: Water
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: SW3520C
Prep Date: Sep-25-2000
Prep Time: 07:29
Prep Chemist: Veena Telhan

Analytical Method: SW8270CTCL
Date Analyzed: Oct-07-2000
Time Analyzed 12:03
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	10.6	ug/L	U	1
1,2-Dichlorobenzene	BQL	10.6	ug/L	U	1
1,3-Dichlorobenzene	BQL	10.6	ug/L	U	1
1,4-Dichlorobenzene	BQL	10.6	ug/L	U	1
2,2-Oxybis(1-Chloro)Propane	BQL	10.6	ug/L	U	1
2,4,5-Trichlorophenol	BQL	10.6	ug/L	U	1
2,4,6-Trichlorophenol	BQL	10.6	ug/L	U	1
2,4-Dichlorophenol	BQL	10.6	ug/L	U	1
2,4-Dimethylphenol	BQL	10.6	ug/L	U	1
2,4-Dinitrophenol	BQL	21.3	ug/L	U	1
2,4-Dinitrotoluene	BQL	10.6	ug/L	U	1
2,6-Dinitrotoluene	BQL	10.6	ug/L	U	1
2-Chloronaphthalene	BQL	10.6	ug/L	U	1
2-Chlorophenol	BQL	10.6	ug/L	U	1
2-Methylnaphthalene	BQL	10.6	ug/L	U	1
2-Nitroaniline	BQL	10.6	ug/L	U	1
2-Nitrophenol	BQL	10.6	ug/L	U	1
2-methylphenol	BQL	10.6	ug/L	U	1
3,3-Dichlorobenzidine	BQL	21.3	ug/L	U	1
3-Nitroaniline	BQL	10.6	ug/L	U	1
4,6-dinitro-2-methyl phenol	BQL	21.3	ug/L	U	1
4-Bromophenyl-phenylether	BQL	10.6	ug/L	U	1
4-Chloroaniline	BQL	10.6	ug/L	U	1
4-Chlorophenyl Phenyl Ether	BQL	10.6	ug/L	U	1
4-Nitroaniline	BQL	10.6	ug/L	U	1
4-Nitrophenol	BQL	21.3	ug/L	U	1
4-chloro-3-methylphenol	BQL	10.6	ug/L	U	1
4-methylphenol	BQL	10.6	ug/L	U	1
Acenaphthene	BQL	10.6	ug/L	U	1
Acenaphthylene	BQL	10.6	ug/L	U	1
Anthracene	BQL	10.6	ug/L	U	1
Benzo(a)anthracene	BQL	10.6	ug/L	U	1
Benzo(a)pyrene	BQL	10.6	ug/L	U	1
Benzo(b)fluoranthene	BQL	10.6	ug/L	U	1
Benzo(g,h,i)perylene	BQL	10.6	ug/L	U	1
Benzo(k)fluoranthene	BQL	10.6	ug/L	U	1
Benzyl Butyl Phthalate	BQL	10.6	ug/L	U	1
Carbazole	BQL	10.6	ug/L	U	1
Chrysene	BQL	10.6	ug/L	U	1

Summary of Analytical Results

Client ID AA2005
GPL ID: 9130-023-07-1/2
Matrix: Water
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: SW3520C
Prep Date: Sep-25-2000
Prep Time: 07:29
Prep Chemist: Veena Telhan

Analytical Method: SW8270CTCL
Date Analyzed: Oct-07-2000
Time Analyzed 12:03
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	10.6	ug/L	U	1
Dibenzofuran	BQL	10.6	ug/L	U	1
Diethyl Phthalate	BQL	10.6	ug/L	U	1
Dimethyl Phthalate	BQL	10.6	ug/L	U	1
Fluoranthene	BQL	10.6	ug/L	U	1
Fluorene	BQL	10.6	ug/L	U	1
Hexachlorobenzene	BQL	10.6	ug/L	U	1
Hexachlorobutadiene	BQL	10.6	ug/L	U	1
Hexachlorocyclopentadiene	BQL	10.6	ug/L	U	1
Hexachloroethane	BQL	10.6	ug/L	U	1
Indeno(1,2,3-c,d)Pyrene	BQL	10.6	ug/L	U	1
Isophorone	BQL	10.6	ug/L	U	1
Naphthalene	BQL	10.6	ug/L	U	1
Nitrobenzene	BQL	10.6	ug/L	U	1
Pentachlorophenol	BQL	21.3	ug/L	U	1
Phenanthrene	BQL	10.6	ug/L	U	1
Phenol	BQL	10.6	ug/L	U	1
Pyrene	BQL	10.6	ug/L	U	1
bis(2-chloroethoxy) methane	BQL	10.6	ug/L	U	1
bis(2-chloroethyl) ether	BQL	10.6	ug/L	U	1
bis(2-ethylhexyl) phthalate	BQL	10.6	ug/L	U	1
di-n-Butyl Phthalate	BQL	10.6	ug/L	U	1
di-n-Octyl Phthalate	BQL	10.6	ug/L	U	1
n-Nitrosodi-n-Propylamine	BQL	10.6	ug/L	U	1
n-Nitrosodiphenylamine	BQL	10.6	ug/L	U	1

Summary of Analytical Results

Client ID AA2006
GPL ID: 9130-024-07-1/2
Matrix: Water
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: SW3520C
Prep Date: Sep-25-2000
Prep Time: 07:29
Prep Chemist: Veena Telhan

Analytical Method: SW8270CTCL
Date Analyzed: Oct-07-2000
Time Analyzed 02:41
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	10.1	ug/L	U	1
1,2-Dichlorobenzene	BQL	10.1	ug/L	U	1
1,3-Dichlorobenzene	BQL	10.1	ug/L	U	1
1,4-Dichlorobenzene	BQL	10.1	ug/L	U	1
2,2-Oxybis(1-Chloro)Propane	BQL	10.1	ug/L	U	1
2,4,5-Trichlorophenol	BQL	10.1	ug/L	U	1
2,4,6-Trichlorophenol	BQL	10.1	ug/L	U	1
2,4-Dichlorophenol	BQL	10.1	ug/L	U	1
2,4-Dimethylphenol	BQL	10.1	ug/L	U	1
2,4-Dinitrophenol	BQL	20.2	ug/L	U	1
2,4-Dinitrotoluene	BQL	10.1	ug/L	U	1
2,6-Dinitrotoluene	BQL	10.1	ug/L	U	1
2-Chloronaphthalene	BQL	10.1	ug/L	U	1
2-Chlorophenol	BQL	10.1	ug/L	U	1
2-Methylnaphthalene	BQL	10.1	ug/L	U	1
2-Nitroaniline	BQL	10.1	ug/L	U	1
2-Nitrophenol	BQL	10.1	ug/L	U	1
2-methylphenol	BQL	10.1	ug/L	U	1
3,3-Dichlorobenzidine	BQL	20.2	ug/L	U	1
3-Nitroaniline	BQL	10.1	ug/L	U	1
4,6-dinitro-2-methyl phenol	BQL	20.2	ug/L	U	1
4-Bromophenyl-phenylether	BQL	10.1	ug/L	U	1
4-Chloroaniline	BQL	10.1	ug/L	U	1
4-Chlorophenyl Phenyl Ether	BQL	10.1	ug/L	U	1
4-Nitroaniline	BQL	10.1	ug/L	U	1
4-Nitrophenol	BQL	20.2	ug/L	U	1
4-chloro-3-methylphenol	BQL	10.1	ug/L	U	1
4-methylphenol	BQL	10.1	ug/L	U	1
Acenaphthene	BQL	10.1	ug/L	U	1
Acenaphthylene	BQL	10.1	ug/L	U	1
Anthracene	BQL	10.1	ug/L	U	1
Benzo(a)anthracene	BQL	10.1	ug/L	U	1
Benzo(a)pyrene	BQL	10.1	ug/L	U	1
Benzo(b)fluoranthene	BQL	10.1	ug/L	U	1
Benzo(g,h,i)perylene	BQL	10.1	ug/L	U	1
Benzo(k)fluoranthene	BQL	10.1	ug/L	U	1
Benzyl Butyl Phthalate	BQL	10.1	ug/L	U	1
Carbazole	BQL	10.1	ug/L	U	1
Chrysene	BQL	10.1	ug/L	U	1

Summary of Analytical Results

Client ID AA2006
GPL ID: 9130-024-07-1/2
Matrix: Water
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: SW3520C
Prep Date: Sep-25-2000
Prep Time: 07:29
Prep Chemist: Veena Telhan

Analytical Method: SW8270CTCL
Date Analyzed: Oct-07-2000
Time Analyzed 02:41
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	10.1	ug/L	U	1
Dibenzofuran	BQL	10.1	ug/L	U	1
Diethyl Phthalate	BQL	10.1	ug/L	U	1
Dimethyl Phthalate	BQL	10.1	ug/L	U	1
Fluoranthene	BQL	10.1	ug/L	U	1
Fluorene	BQL	10.1	ug/L	U	1
Hexachlorobenzene	BQL	10.1	ug/L	U	1
Hexachlorobutadiene	BQL	10.1	ug/L	U	1
Hexachlorocyclopentadiene	BQL	10.1	ug/L	U	1
Hexachloroethane	BQL	10.1	ug/L	U	1
Indeno(1,2,3-c,d)Pyrene	BQL	10.1	ug/L	U	1
Isophorone	BQL	10.1	ug/L	U	1
Naphthalene	BQL	10.1	ug/L	U	1
Nitrobenzene	BQL	10.1	ug/L	U	1
Pentachlorophenol	BQL	20.2	ug/L	U	1
Phenanthrene	BQL	10.1	ug/L	U	1
Phenol	BQL	10.1	ug/L	U	1
Pyrene	BQL	10.1	ug/L	U	1
bis(2-chloroethoxy) methane	BQL	10.1	ug/L	U	1
bis(2-chloroethyl) ether	BQL	10.1	ug/L	U	1
bis(2-ethylhexyl) phthalate	BQL	10.1	ug/L	U	1
di-n-Butyl Phthalate	1.30	10.1	ug/L	J	1
di-n-Octyl Phthalate	BQL	10.1	ug/L	U	1
n-Nitrosodi-n-Propylamine	BQL	10.1	ug/L	U	1
n-Nitrosodiphenylamine	BQL	10.1	ug/L	U	1

Summary of Analytical Results

Client ID AA2007
GPL ID: 9130-025-07-1/2
Matrix: Water
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: SW3520C
Prep Date: Sep-25-2000
Prep Time: 07:29
Prep Chemist: Veena Telhan

Analytical Method: SW8270CTCL
Date Analyzed: Oct-07-2000
Time Analyzed 12:53
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	11	ug/L	U	1
1,2-Dichlorobenzene	BQL	11	ug/L	U	1
1,3-Dichlorobenzene	BQL	11	ug/L	U	1
1,4-Dichlorobenzene	BQL	11	ug/L	U	1
2,2-Oxybis(1-Chloro)Propane	BQL	11	ug/L	U	1
2,4,5-Trichlorophenol	BQL	11	ug/L	U	1
2,4,6-Trichlorophenol	BQL	11	ug/L	U	1
2,4-Dichlorophenol	BQL	11	ug/L	U	1
2,4-Dimethylphenol	BQL	11	ug/L	U	1
2,4-Dinitrophenol	BQL	22	ug/L	U	1
2,4-Dinitrotoluene	BQL	11	ug/L	U	1
2,6-Dinitrotoluene	BQL	11	ug/L	U	1
2-Chloronaphthalene	BQL	11	ug/L	U	1
2-Chlorophenol	BQL	11	ug/L	U	1
2-Methylnaphthalene	BQL	11	ug/L	U	1
2-Nitroaniline	BQL	11	ug/L	U	1
2-Nitrophenol	BQL	11	ug/L	U	1
2-methylphenol	BQL	11	ug/L	U	1
3,3-Dichlorobenzidine	BQL	22	ug/L	U	1
3-Nitroaniline	BQL	11	ug/L	U	1
4,6-dinitro-2-methyl phenol	BQL	22	ug/L	U	1
4-Bromophenyl-phenylether	BQL	11	ug/L	U	1
4-Chloroaniline	BQL	11	ug/L	U	1
4-Chlorophenyl Phenyl Ether	BQL	11	ug/L	U	1
4-Nitroaniline	BQL	11	ug/L	U	1
4-Nitrophenol	BQL	22	ug/L	U	1
4-chloro-3-methylphenol	BQL	11	ug/L	U	1
4-methylphenol	BQL	11	ug/L	U	1
Acenaphthene	BQL	11	ug/L	U	1
Acenaphthylene	BQL	11	ug/L	U	1
Anthracene	BQL	11	ug/L	U	1
Benzo(a)anthracene	BQL	11	ug/L	U	1
Benzo(a)pyrene	BQL	11	ug/L	U	1
Benzo(b)fluoranthene	BQL	11	ug/L	U	1
Benzo(g,h,i)perylene	BQL	11	ug/L	U	1
Benzo(k)fluoranthene	BQL	11	ug/L	U	1
Benzyl Butyl Phthalate	BQL	11	ug/L	U	1
Carbazole	BQL	11	ug/L	U	1
Chrysene	BQL	11	ug/L	U	1

Summary of Analytical Results

Client ID AA2007
GPL ID: 9130-025-07-1/2
Matrix: Water
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: SW3520C
Prep Date: Sep-25-2000
Prep Time: 07:29
Prep Chemist: Veena Telhan

Analytical Method: SW8270CTCL
Date Analyzed: Oct-07-2000
Time Analyzed 12:53
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	11	ug/L	U	1
Dibenzofuran	BQL	11	ug/L	U	1
Diethyl Phthalate	BQL	11	ug/L	U	1
Dimethyl Phthalate	BQL	11	ug/L	U	1
Fluoranthene	BQL	11	ug/L	U	1
Fluorene	BQL	11	ug/L	U	1
Hexachlorobenzene	BQL	11	ug/L	U	1
Hexachlorobutadiene	BQL	11	ug/L	U	1
Hexachlorocyclopentadiene	BQL	11	ug/L	U	1
Hexachloroethane	BQL	11	ug/L	U	1
Indeno(1,2,3-c,d)Pyrene	BQL	11	ug/L	U	1
Isophorone	BQL	11	ug/L	U	1
Naphthalene	BQL	11	ug/L	U	1
Nitrobenzene	BQL	11	ug/L	U	1
Pentachlorophenol	BQL	22	ug/L	U	1
Phenanthrene	BQL	11	ug/L	U	1
Phenol	BQL	11	ug/L	U	1
Pyrene	BQL	11	ug/L	U	1
bis(2-chloroethoxy) methane	BQL	11	ug/L	U	1
bis(2-chloroethyl) ether	BQL	11	ug/L	U	1
bis(2-ethylhexyl) phthalate	BQL	11	ug/L	U	1
di-n-Butyl Phthalate	1.17	11	ug/L	J	1
di-n-Octyl Phthalate	BQL	11	ug/L	U	1
n-Nitrosodi-n-Propylamine	BQL	11	ug/L	U	1
n-Nitrosodiphenylamine	BQL	11	ug/L	U	1

Summary of Analytical Results

Client ID AA2009
GPL ID: 9130-026-07-1/2
Matrix: Water
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: SW3520C
Prep Date: Sep-25-2000
Prep Time: 07:29
Prep Chemist: Veena Telhan

Analytical Method: SW8270CTCL
Date Analyzed: Oct-07-2000
Time Analyzed 13:45
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	10.9	ug/L	U	1
1,2-Dichlorobenzene	BQL	10.9	ug/L	U	1
1,3-Dichlorobenzene	BQL	10.9	ug/L	U	1
1,4-Dichlorobenzene	BQL	10.9	ug/L	U	1
2,2-Oxybis(1-Chloro)Propane	BQL	10.9	ug/L	U	1
2,4,5-Trichlorophenol	BQL	10.9	ug/L	U	1
2,4,6-Trichlorophenol	BQL	10.9	ug/L	U	1
2,4-Dichlorophenol	BQL	10.9	ug/L	U	1
2,4-Dimethylphenol	BQL	10.9	ug/L	U	1
2,4-Dinitrophenol	BQL	21.7	ug/L	U	1
2,4-Dinitrotoluene	BQL	10.9	ug/L	U	1
2,6-Dinitrotoluene	BQL	10.9	ug/L	U	1
2-Chloronaphthalene	BQL	10.9	ug/L	U	1
2-Chlorophenol	BQL	10.9	ug/L	U	1
2-Methylnaphthalene	BQL	10.9	ug/L	U	1
2-Nitroaniline	BQL	10.9	ug/L	U	1
2-Nitrophenol	BQL	10.9	ug/L	U	1
2-methylphenol	BQL	10.9	ug/L	U	1
3,3-Dichlorobenzidine	BQL	21.7	ug/L	U	1
3-Nitroaniline	BQL	10.9	ug/L	U	1
4,6-dinitro-2-methyl phenol	BQL	21.7	ug/L	U	1
4-Bromophenyl-phenylether	BQL	10.9	ug/L	U	1
4-Chloroaniline	BQL	10.9	ug/L	U	1
4-Chlorophenyl Phenyl Ether	BQL	10.9	ug/L	U	1
4-Nitroaniline	BQL	10.9	ug/L	U	1
4-Nitrophenol	BQL	21.7	ug/L	U	1
4-chloro-3-methylphenol	BQL	10.9	ug/L	U	1
4-methylphenol	BQL	10.9	ug/L	U	1
Acenaphthene	BQL	10.9	ug/L	U	1
Acenaphthylene	BQL	10.9	ug/L	U	1
Anthracene	BQL	10.9	ug/L	U	1
Benzo(a)anthracene	BQL	10.9	ug/L	U	1
Benzo(a)pyrene	BQL	10.9	ug/L	U	1
Benzo(b)fluoranthene	BQL	10.9	ug/L	U	1
Benzo(g,h,i)perylene	BQL	10.9	ug/L	U	1
Benzo(k)fluoranthene	BQL	10.9	ug/L	U	1
Benzyl Butyl Phthalate	BQL	10.9	ug/L	U	1
Carbazole	BQL	10.9	ug/L	U	1
Chrysene	BQL	10.9	ug/L	U	1

Summary of Analytical Results

Client ID AA2009
GPL ID: 9130-026-07-1/2
Matrix: Water
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: SW3520C
Prep Date: Sep-25-2000
Prep Time: 07:29
Prep Chemist: Veena Telhan

Analytical Method: SW8270CTCL
Date Analyzed: Oct-07-2000
Time Analyzed 13:45
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	10.9	ug/L	U	1
Dibenzofuran	BQL	10.9	ug/L	U	1
Diethyl Phthalate	BQL	10.9	ug/L	U	1
Dimethyl Phthalate	BQL	10.9	ug/L	U	1
Fluoranthene	BQL	10.9	ug/L	U	1
Fluorene	BQL	10.9	ug/L	U	1
Hexachlorobenzene	BQL	10.9	ug/L	U	1
Hexachlorobutadiene	BQL	10.9	ug/L	U	1
Hexachlorocyclopentadiene	BQL	10.9	ug/L	U	1
Hexachloroethane	BQL	10.9	ug/L	U	1
Indeno(1,2,3-c,d)Pyrene	BQL	10.9	ug/L	U	1
Isophorone	BQL	10.9	ug/L	U	1
Naphthalene	BQL	10.9	ug/L	U	1
Nitrobenzene	BQL	10.9	ug/L	U	1
Pentachlorophenol	BQL	21.7	ug/L	U	1
Phenanthrene	BQL	10.9	ug/L	U	1
Phenol	BQL	10.9	ug/L	U	1
Pyrene	BQL	10.9	ug/L	U	1
bis(2-chloroethoxy) methane	BQL	10.9	ug/L	U	1
bis(2-chloroethyl) ether	BQL	10.9	ug/L	U	1
bis(2-ethylhexyl) phthalate	BQL	10.9	ug/L	U	1
di-n-Butyl Phthalate	BQL	10.9	ug/L	U	1
di-n-Octyl Phthalate	BQL	10.9	ug/L	U	1
n-Nitrosodi-n-Propylamine	BQL	10.9	ug/L	U	1
n-Nitrosodiphenylamine	BQL	10.9	ug/L	U	1

Summary of Analytical Results

Client ID AA2010
GPL ID: 9130-027-07-1/2
Matrix: Water
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: SW3520C
Prep Date: Sep-25-2000
Prep Time: 07:29
Prep Chemist: Veena Telhan

Analytical Method: SW8270CTCL
Date Analyzed: Oct-07-2000
Time Analyzed 14:35
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	10.5	ug/L	U	1
1,2-Dichlorobenzene	BQL	10.5	ug/L	U	1
1,3-Dichlorobenzene	BQL	10.5	ug/L	U	1
1,4-Dichlorobenzene	BQL	10.5	ug/L	U	1
2,2-Oxybis(1-Chloro)Propane	BQL	10.5	ug/L	U	1
2,4,5-Trichlorophenol	BQL	10.5	ug/L	U	1
2,4,6-Trichlorophenol	BQL	10.5	ug/L	U	1
2,4-Dichlorophenol	BQL	10.5	ug/L	U	1
2,4-Dimethylphenol	BQL	10.5	ug/L	U	1
2,4-Dinitrophenol	BQL	21.1	ug/L	U	1
2,4-Dinitrotoluene	BQL	10.5	ug/L	U	1
2,6-Dinitrotoluene	BQL	10.5	ug/L	U	1
2-Chloronaphthalene	BQL	10.5	ug/L	U	1
2-Chlorophenol	BQL	10.5	ug/L	U	1
2-Methylnaphthalene	BQL	10.5	ug/L	U	1
2-Nitroaniline	BQL	10.5	ug/L	U	1
2-Nitrophenol	BQL	10.5	ug/L	U	1
2-methylphenol	BQL	10.5	ug/L	U	1
3,3-Dichlorobenzidine	BQL	21.1	ug/L	U	1
3-Nitroaniline	BQL	10.5	ug/L	U	1
4,6-dinitro-2-methyl phenol	BQL	21.1	ug/L	U	1
4-Bromophenyl-phenylether	BQL	10.5	ug/L	U	1
4-Chloroaniline	BQL	10.5	ug/L	U	1
4-Chlorophenyl Phenyl Ether	BQL	10.5	ug/L	U	1
4-Nitroaniline	BQL	10.5	ug/L	U	1
4-Nitrophenol	BQL	21.1	ug/L	U	1
4-chloro-3-methylphenol	BQL	10.5	ug/L	U	1
4-methylphenol	BQL	10.5	ug/L	U	1
Acenaphthene	BQL	10.5	ug/L	U	1
Acenaphthylene	BQL	10.5	ug/L	U	1
Anthracene	BQL	10.5	ug/L	U	1
Benzo(a)anthracene	BQL	10.5	ug/L	U	1
Benzo(a)pyrene	BQL	10.5	ug/L	U	1
Benzo(b)fluoranthene	BQL	10.5	ug/L	U	1
Benzo(g,h,i)perylene	BQL	10.5	ug/L	U	1
Benzo(k)fluoranthene	BQL	10.5	ug/L	U	1
Benzyl Butyl Phthalate	BQL	10.5	ug/L	U	1
Carbazole	BQL	10.5	ug/L	U	1
Chrysene	BQL	10.5	ug/L	U	1

Summary of Analytical Results

Client ID AA2010
GPL ID: 9130-027-07-1/2
Matrix: Water
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: SW3520C
Prep Date: Sep-25-2000
Prep Time: 07:29
Prep Chemist: Veena Telhan

Analytical Method: SW8270CTCL
Date Analyzed: Oct-07-2000
Time Analyzed 14:35
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	10.5	ug/L	U	1
Dibenzofuran	BQL	10.5	ug/L	U	1
Diethyl Phthalate	BQL	10.5	ug/L	U	1
Dimethyl Phthalate	BQL	10.5	ug/L	U	1
Fluoranthene	BQL	10.5	ug/L	U	1
Fluorene	BQL	10.5	ug/L	U	1
Hexachlorobenzene	BQL	10.5	ug/L	U	1
Hexachlorobutadiene	BQL	10.5	ug/L	U	1
Hexachlorocyclopentadiene	BQL	10.5	ug/L	U	1
Hexachloroethane	BQL	10.5	ug/L	U	1
Indeno(1,2,3-c,d)Pyrene	BQL	10.5	ug/L	U	1
Isophorone	BQL	10.5	ug/L	U	1
Naphthalene	BQL	10.5	ug/L	U	1
Nitrobenzene	BQL	10.5	ug/L	U	1
Pentachlorophenol	BQL	21.1	ug/L	U	1
Phenanthrene	BQL	10.5	ug/L	U	1
Phenol	BQL	10.5	ug/L	U	1
Pyrene	BQL	10.5	ug/L	U	1
bis(2-chloroethoxy) methane	BQL	10.5	ug/L	U	1
bis(2-chloroethyl) ether	BQL	10.5	ug/L	U	1
bis(2-ethylhexyl) phthalate	BQL	10.5	ug/L	U	1
di-n-Butyl Phthalate	BQL	10.5	ug/L	U	1
di-n-Octyl Phthalate	BQL	10.5	ug/L	U	1
n-Nitrosodi-n-Propylamine	BQL	10.5	ug/L	U	1
n-Nitrosodiphenylamine	BQL	10.5	ug/L	U	1

Summary of Analytical Results

Client ID AA2011
GPL ID: 9130-028-07-1/2
Matrix: Water
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: SW3520C
Prep Date: Sep-25-2000
Prep Time: 07:29
Prep Chemist: Veena Telhan

Analytical Method: SW8270CTCL
Date Analyzed: Oct-07-2000
Time Analyzed 15:28
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	10	ug/L	U	1
1,2-Dichlorobenzene	BQL	10	ug/L	U	1
1,3-Dichlorobenzene	BQL	10	ug/L	U	1
1,4-Dichlorobenzene	BQL	10	ug/L	U	1
2,2-Oxybis(1-Chloro)Propane	BQL	10	ug/L	U	1
2,4,5-Trichlorophenol	BQL	10	ug/L	U	1
2,4,6-Trichlorophenol	BQL	10	ug/L	U	1
2,4-Dichlorophenol	BQL	10	ug/L	U	1
2,4-Dimethylphenol	BQL	10	ug/L	U	1
2,4-Dinitrophenol	BQL	20	ug/L	U	1
2,4-Dinitrotoluene	BQL	10	ug/L	U	1
2,6-Dinitrotoluene	BQL	10	ug/L	U	1
2-Chloronaphthalene	BQL	10	ug/L	U	1
2-Chlorophenol	BQL	10	ug/L	U	1
2-Methylnaphthalene	BQL	10	ug/L	U	1
2-Nitroaniline	BQL	10	ug/L	U	1
2-Nitrophenol	BQL	10	ug/L	U	1
2-methylphenol	BQL	10	ug/L	U	1
3,3-Dichlorobenzidine	BQL	20	ug/L	U	1
3-Nitroaniline	BQL	10	ug/L	U	1
4,6-dinitro-2-methyl phenol	BQL	20	ug/L	U	1
4-Bromophenyl-phenylether	BQL	10	ug/L	U	1
4-Chloroaniline	BQL	10	ug/L	U	1
4-Chlorophenyl Phenyl Ether	BQL	10	ug/L	U	1
4-Nitroaniline	BQL	10	ug/L	U	1
4-Nitrophenol	BQL	20	ug/L	U	1
4-chloro-3-methylphenol	BQL	10	ug/L	U	1
4-methylphenol	BQL	10	ug/L	U	1
Acenaphthene	BQL	10	ug/L	U	1
Acenaphthylene	BQL	10	ug/L	U	1
Anthracene	BQL	10	ug/L	U	1
Benzo(a)anthracene	BQL	10	ug/L	U	1
Benzo(a)pyrene	BQL	10	ug/L	U	1
Benzo(b)fluoranthene	BQL	10	ug/L	U	1
Benzo(g,h,i)perylene	BQL	10	ug/L	U	1
Benzo(k)fluoranthene	BQL	10	ug/L	U	1
Benzyl Butyl Phthalate	BQL	10	ug/L	U	1
Carbazole	BQL	10	ug/L	U	1
Chrysene	BQL	10	ug/L	U	1

Summary of Analytical Results

Client ID AA2011
GPL ID: 9130-028-07-1/2
Matrix: Water
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: SW3520C
Prep Date: Sep-25-2000
Prep Time: 07:29
Prep Chemist: Veena Telhan

Analytical Method: SW8270CTCL
Date Analyzed: Oct-07-2000
Time Analyzed 15:28
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	10	ug/L	U	1
Dibenzofuran	BQL	10	ug/L	U	1
Diethyl Phthalate	BQL	10	ug/L	U	1
Dimethyl Phthalate	BQL	10	ug/L	U	1
Fluoranthene	BQL	10	ug/L	U	1
Fluorene	BQL	10	ug/L	U	1
Hexachlorobenzene	BQL	10	ug/L	U	1
Hexachlorobutadiene	BQL	10	ug/L	U	1
Hexachlorocyclopentadiene	BQL	10	ug/L	U	1
Hexachloroethane	BQL	10	ug/L	U	1
Indeno(1,2,3-c,d)Pyrene	BQL	10	ug/L	U	1
Isophorone	BQL	10	ug/L	U	1
Naphthalene	BQL	10	ug/L	U	1
Nitrobenzene	BQL	10	ug/L	U	1
Pentachlorophenol	BQL	20	ug/L	U	1
Phenanthrene	BQL	10	ug/L	U	1
Phenol	BQL	10	ug/L	U	1
Pyrene	BQL	10	ug/L	U	1
bis(2-chloroethoxy) methane	BQL	10	ug/L	U	1
bis(2-chloroethyl) ether	BQL	10	ug/L	U	1
bis(2-ethylhexyl) phthalate	BQL	10	ug/L	U	1
di-n-Butyl Phthalate	2.17	10	ug/L	J	1
di-n-Octyl Phthalate	BQL	10	ug/L	U	1
n-Nitrosodi-n-Propylamine	BQL	10	ug/L	U	1
n-Nitrosodiphenylamine	BQL	10	ug/L	U	1

Summary of Analytical Results

Client ID AA1002
GPL ID: 9130-002-03-1/1
Matrix: Soil
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: SW3550
Prep Date: Sep-27-2000
Prep Time: 00:00
Prep Chemist: Rekha Patel

Analytical Method: SW8270CTCL
Date Analyzed: Oct-11-2000
Time Analyzed 12:21
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	423	ug/kg	U	1
1,2-Dichlorobenzene	BQL	423	ug/kg	U	1
1,3-Dichlorobenzene	BQL	423	ug/kg	U	1
1,4-Dichlorobenzene	BQL	423	ug/kg	U	1
2,2-Oxybis(1-Chloro)Propane	BQL	423	ug/kg	U	1
2,4,5-Trichlorophenol	BQL	423	ug/kg	U	1
2,4,6-Trichlorophenol	BQL	423	ug/kg	U	1
2,4-Dichlorophenol	BQL	423	ug/kg	U	1
2,4-Dimethylphenol	BQL	423	ug/kg	U	1
2,4-Dinitrophenol	BQL	847	ug/kg	U	1
2,4-Dinitrotoluene	BQL	423	ug/kg	U	1
2,6-Dinitrotoluene	BQL	423	ug/kg	U	1
2-Chloronaphthalene	BQL	423	ug/kg	U	1
2-Chlorophenol	BQL	423	ug/kg	U	1
2-Methylnaphthalene	BQL	423	ug/kg	U	1
2-Nitroaniline	BQL	423	ug/kg	U	1
2-Nitrophenol	BQL	423	ug/kg	U	1
2-methylphenol	BQL	423	ug/kg	U	1
3,3-Dichlorobenzidine	BQL	847	ug/kg	U	1
3-Nitroaniline	BQL	423	ug/kg	U	1
4,6-dinitro-2-methyl phenol	BQL	847	ug/kg	U	1
4-Bromophenyl-phenylether	BQL	423	ug/kg	U	1
4-Chloroaniline	BQL	423	ug/kg	U	1
4-Chlorophenyl Phenyl Ether	BQL	423	ug/kg	U	1
4-Nitroaniline	BQL	423	ug/kg	U	1
4-Nitrophenol	BQL	847	ug/kg	U	1
4-chloro-3-methylphenol	BQL	423	ug/kg	U	1
4-methylphenol	BQL	423	ug/kg	U	1
Acenaphthene	BQL	423	ug/kg	U	1
Acenaphthylene	BQL	423	ug/kg	U	1
Anthracene	BQL	423	ug/kg	U	1
Benzo(a)anthracene	BQL	423	ug/kg	U	1
Benzo(a)pyrene	BQL	423	ug/kg	U	1
Benzo(b)fluoranthene	BQL	423	ug/kg	U	1
Benzo(g,h,i)perylene	BQL	423	ug/kg	U	1
Benzo(k)fluoranthene	BQL	423	ug/kg	U	1
Benzyl Butyl Phthalate	BQL	423	ug/kg	U	1
Carbazole	BQL	423	ug/kg	U	1
Chrysene	BQL	423	ug/kg	U	1

Summary of Analytical Results

Client ID AA1002
GPL ID: 9130-002-03-1/1
Matrix: Soil
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: SW3550
Prep Date: Sep-27-2000
Prep Time: 00:00
Prep Chemist: Rekha Patel

Analytical Method: SW8270CTCL
Date Analyzed: Oct-11-2000
Time Analyzed 12:21
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	423	ug/kg	U	1
Dibenzofuran	BQL	423	ug/kg	U	1
Diethyl Phthalate	BQL	423	ug/kg	U	1
Dimethyl Phthalate	BQL	423	ug/kg	U	1
Fluoranthene	BQL	423	ug/kg	U	1
Fluorene	BQL	423	ug/kg	U	1
Hexachlorobenzene	BQL	423	ug/kg	U	1
Hexachlorobutadiene	BQL	423	ug/kg	U	1
Hexachlorocyclopentadiene	BQL	423	ug/kg	U	1
Hexachloroethane	BQL	423	ug/kg	U	1
Indeno(1,2,3-c,d)Pyrene	BQL	423	ug/kg	U	1
Isophorone	BQL	423	ug/kg	U	1
Naphthalene	BQL	423	ug/kg	U	1
Nitrobenzene	BQL	423	ug/kg	U	1
Pentachlorophenol	BQL	847	ug/kg	U	1
Phenanthrene	BQL	423	ug/kg	U	1
Phenol	BQL	423	ug/kg	U	1
Pyrene	BQL	423	ug/kg	U	1
bis(2-chloroethoxy) methane	BQL	423	ug/kg	U	1
bis(2-chloroethyl) ether	BQL	423	ug/kg	U	1
bis(2-ethylhexyl) phthalate	21.6	423	ug/kg	J	1
di-n-Butyl Phthalate	BQL	423	ug/kg	U	1
di-n-Octyl Phthalate	BQL	423	ug/kg	U	1
n-Nitrosodi-n-Propylamine	BQL	423	ug/kg	U	1
n-Nitrosodiphenylamine	BQL	423	ug/kg	U	1

Summary of Analytical Results

Client ID AA1003
GPL ID: 9130-003-03-1/1
Matrix: Soil
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: SW3550
Prep Date: Sep-27-2000
Prep Time: 00:00
Prep Chemist: Rekha Patel

Analytical Method: SW8270CTCL
Date Analyzed: Oct-11-2000
Time Analyzed 12:58
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	421	ug/kg	U	1
1,2-Dichlorobenzene	BQL	421	ug/kg	U	1
1,3-Dichlorobenzene	BQL	421	ug/kg	U	1
1,4-Dichlorobenzene	BQL	421	ug/kg	U	1
2,2-Oxybis(1-Chloro)Propane	BQL	421	ug/kg	U	1
2,4,5-Trichlorophenol	BQL	421	ug/kg	U	1
2,4,6-Trichlorophenol	BQL	421	ug/kg	U	1
2,4-Dichlorophenol	BQL	421	ug/kg	U	1
2,4-Dimethylphenol	BQL	421	ug/kg	U	1
2,4-Dinitrophenol	BQL	841	ug/kg	U	1
2,4-Dinitrotoluene	BQL	421	ug/kg	U	1
2,6-Dinitrotoluene	49.2	421	ug/kg	J	1
2-Chloronaphthalene	BQL	421	ug/kg	U	1
2-Chlorophenol	BQL	421	ug/kg	U	1
2-Methylnaphthalene	BQL	421	ug/kg	U	1
2-Nitroaniline	BQL	421	ug/kg	U	1
2-Nitrophenol	BQL	421	ug/kg	U	1
2-methylphenol	BQL	421	ug/kg	U	1
3,3-Dichlorobenzidine	BQL	841	ug/kg	U	1
3-Nitroaniline	BQL	421	ug/kg	U	1
4,6-dinitro-2-methyl phenol	BQL	841	ug/kg	U	1
4-Bromophenyl-phenylether	BQL	421	ug/kg	U	1
4-Chloroaniline	BQL	421	ug/kg	U	1
4-Chlorophenyl Phenyl Ether	BQL	421	ug/kg	U	1
4-Nitroaniline	BQL	421	ug/kg	U	1
4-Nitrophenol	BQL	841	ug/kg	U	1
4-chloro-3-methylphenol	BQL	421	ug/kg	U	1
4-methylphenol	BQL	421	ug/kg	U	1
Acenaphthene	BQL	421	ug/kg	U	1
Acenaphthylene	BQL	421	ug/kg	U	1
Anthracene	BQL	421	ug/kg	U	1
Benzo(a)anthracene	BQL	421	ug/kg	U	1
Benzo(a)pyrene	BQL	421	ug/kg	U	1
Benzo(b)fluoranthene	BQL	421	ug/kg	U	1
Benzo(g,h,i)perylene	BQL	421	ug/kg	U	1
Benzo(k)fluoranthene	BQL	421	ug/kg	U	1
Benzyl Butyl Phthalate	BQL	421	ug/kg	U	1
Carbazole	BQL	421	ug/kg	U	1
Chrysene	BQL	421	ug/kg	U	1

Summary of Analytical Results

Client ID AA1003
GPL ID: 9130-003-03-1/1
Matrix: Soil
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: SW3550
Prep Date: Sep-27-2000
Prep Time: 00:00
Prep Chemist: Rekha Patel

Analytical Method: SW8270CTCL
Date Analyzed: Oct-11-2000
Time Analyzed 12:58
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	421	ug/kg	U	1
Dibenzofuran	BQL	421	ug/kg	U	1
Diethyl Phthalate	BQL	421	ug/kg	U	1
Dimethyl Phthalate	BQL	421	ug/kg	U	1
Fluoranthene	BQL	421	ug/kg	U	1
Fluorene	BQL	421	ug/kg	U	1
Hexachlorobenzene	BQL	421	ug/kg	U	1
Hexachlorobutadiene	BQL	421	ug/kg	U	1
Hexachlorocyclopentadiene	BQL	421	ug/kg	U	1
Hexachloroethane	BQL	421	ug/kg	U	1
Indeno(1,2,3-c,d)Pyrene	BQL	421	ug/kg	U	1
Isophorone	BQL	421	ug/kg	U	1
Naphthalene	BQL	421	ug/kg	U	1
Nitrobenzene	BQL	421	ug/kg	U	1
Pentachlorophenol	BQL	841	ug/kg	U	1
Phenanthrene	BQL	421	ug/kg	U	1
Phenol	BQL	421	ug/kg	U	1
Pyrene	BQL	421	ug/kg	U	1
bis(2-chloroethoxy) methane	BQL	421	ug/kg	U	1
bis(2-chloroethyl) ether	BQL	421	ug/kg	U	1
bis(2-ethylhexyl) phthalate	BQL	421	ug/kg	U	1
di-n-Butyl Phthalate	BQL	421	ug/kg	U	1
di-n-Octyl Phthalate	BQL	421	ug/kg	U	1
n-Nitrosodi-n-Propylamine	BQL	421	ug/kg	U	1
n-Nitrosodiphenylamine	BQL	421	ug/kg	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AA1004
GPL ID: 9130-004-03-1/1
Matrix: Soil
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: SW3550
Prep Date: Sep-27-2000
Prep Time: 00:00
Prep Chemist: Rekha Patel

Analytical Method: SW8270CTCL
Date Analyzed: Oct-11-2000
Time Analyzed 13:35
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	434	ug/kg	U	1
1,2-Dichlorobenzene	BQL	434	ug/kg	U	1
1,3-Dichlorobenzene	BQL	434	ug/kg	U	1
1,4-Dichlorobenzene	BQL	434	ug/kg	U	1
2,2-Oxybis(1-Chloro)Propane	BQL	434	ug/kg	U	1
2,4,5-Trichlorophenol	BQL	434	ug/kg	U	1
2,4,6-Trichlorophenol	BQL	434	ug/kg	U	1
2,4-Dichlorophenol	BQL	434	ug/kg	U	1
2,4-Dimethylphenol	BQL	434	ug/kg	U	1
2,4-Dinitrophenol	BQL	867	ug/kg	U	1
2,4-Dinitrotoluene	BQL	434	ug/kg	U	1
2,6-Dinitrotoluene	BQL	434	ug/kg	U	1
2-Chloronaphthalene	BQL	434	ug/kg	U	1
2-Chlorophenol	BQL	434	ug/kg	U	1
2-Methylnaphthalene	BQL	434	ug/kg	U	1
2-Nitroaniline	BQL	434	ug/kg	U	1
2-Nitrophenol	BQL	434	ug/kg	U	1
2-methylphenol	BQL	434	ug/kg	U	1
3,3-Dichlorobenzidine	BQL	867	ug/kg	U	1
3-Nitroaniline	BQL	434	ug/kg	U	1
4,6-dinitro-2-methyl phenol	BQL	867	ug/kg	U	1
4-Bromophenyl-phenylether	BQL	434	ug/kg	U	1
4-Chloroaniline	BQL	434	ug/kg	U	1
4-Chlorophenyl Phenyl Ether	BQL	434	ug/kg	U	1
4-Nitroaniline	BQL	434	ug/kg	U	1
4-Nitrophenol	BQL	867	ug/kg	U	1
4-chloro-3-methylphenol	BQL	434	ug/kg	U	1
4-methylphenol	BQL	434	ug/kg	U	1
Acenaphthene	BQL	434	ug/kg	U	1
Acenaphthylene	BQL	434	ug/kg	U	1
Anthracene	BQL	434	ug/kg	U	1
Benzo(a)anthracene	BQL	434	ug/kg	U	1
Benzo(a)pyrene	BQL	434	ug/kg	U	1
Benzo(b)fluoranthene	BQL	434	ug/kg	U	1
Benzo(g,h,i)perylene	BQL	434	ug/kg	U	1
Benzo(k)fluoranthene	BQL	434	ug/kg	U	1
Benzyl Butyl Phthalate	BQL	434	ug/kg	U	1
Carbazole	BQL	434	ug/kg	U	1
Chrysene	BQL	434	ug/kg	U	1

Summary of Analytical Results

Client ID AA1004
GPL ID: 9130-004-03-1/1
Matrix: Soil
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: SW3550
Prep Date: Sep-27-2000
Prep Time: 00:00
Prep Chemist: Rekha Patel

Analytical Method: SW8270CTCL
Date Analyzed: Oct-11-2000
Time Analyzed 13:35
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	434	ug/kg	U	1
Dibenzofuran	BQL	434	ug/kg	U	1
Diethyl Phthalate	BQL	434	ug/kg	U	1
Dimethyl Phthalate	BQL	434	ug/kg	U	1
Fluoranthene	BQL	434	ug/kg	U	1
Fluorene	BQL	434	ug/kg	U	1
Hexachlorobenzene	BQL	434	ug/kg	U	1
Hexachlorobutadiene	BQL	434	ug/kg	U	1
Hexachlorocyclopentadiene	BQL	434	ug/kg	U	1
Hexachloroethane	BQL	434	ug/kg	U	1
Indeno(1,2,3-c,d)Pyrene	BQL	434	ug/kg	U	1
Isophorone	BQL	434	ug/kg	U	1
Naphthalene	BQL	434	ug/kg	U	1
Nitrobenzene	BQL	434	ug/kg	U	1
Pentachlorophenol	BQL	867	ug/kg	U	1
Phenanthrene	BQL	434	ug/kg	U	1
Phenol	BQL	434	ug/kg	U	1
Pyrene	BQL	434	ug/kg	U	1
bis(2-chloroethoxy) methane	BQL	434	ug/kg	U	1
bis(2-chloroethyl) ether	BQL	434	ug/kg	U	1
bis(2-ethylhexyl) phthalate	BQL	434	ug/kg	U	1
di-n-Butyl Phthalate	BQL	434	ug/kg	U	1
di-n-Octyl Phthalate	BQL	434	ug/kg	U	1
n-Nitrosodi-n-Propylamine	BQL	434	ug/kg	U	1
n-Nitrosodiphenylamine	BQL	434	ug/kg	U	1

Summary of Analytical Results

Client ID AA1005
GPL ID: 9130-007-03-1/1
Matrix: Soil
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: SW3550
Prep Date: Sep-27-2000
Prep Time: 00:00
Prep Chemist: Rekha Patel

Analytical Method: SW8270CTCL
Date Analyzed: Oct-11-2000
Time Analyzed 18:28
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	464	ug/kg	U	1
1,2-Dichlorobenzene	BQL	464	ug/kg	U	1
1,3-Dichlorobenzene	BQL	464	ug/kg	U	1
1,4-Dichlorobenzene	BQL	464	ug/kg	U	1
2,2-Oxybis(1-Chloro)Propane	BQL	464	ug/kg	U	1
2,4,5-Trichlorophenol	BQL	464	ug/kg	U	1
2,4,6-Trichlorophenol	BQL	464	ug/kg	U	1
2,4-Dichlorophenol	BQL	464	ug/kg	U	1
2,4-Dimethylphenol	BQL	464	ug/kg	U	1
2,4-Dinitrophenol	BQL	927	ug/kg	U	1
2,4-Dinitrotoluene	BQL	464	ug/kg	U	1
2,6-Dinitrotoluene	BQL	464	ug/kg	U	1
2-Chloronaphthalene	BQL	464	ug/kg	U	1
2-Chlorophenol	BQL	464	ug/kg	U	1
2-Methylnaphthalene	BQL	464	ug/kg	U	1
2-Nitroaniline	BQL	464	ug/kg	U	1
2-Nitrophenol	BQL	464	ug/kg	U	1
2-methylphenol	BQL	464	ug/kg	U	1
3,3-Dichlorobenzidine	BQL	927	ug/kg	U	1
3-Nitroaniline	BQL	464	ug/kg	U	1
4,6-dinitro-2-methyl phenol	BQL	927	ug/kg	U	1
4-Bromophenyl-phenylether	BQL	464	ug/kg	U	1
4-Chloroaniline	BQL	464	ug/kg	U	1
4-Chlorophenyl Phenyl Ether	BQL	464	ug/kg	U	1
4-Nitroaniline	BQL	464	ug/kg	U	1
4-Nitrophenol	BQL	927	ug/kg	U	1
4-chloro-3-methylphenol	BQL	464	ug/kg	U	1
4-methylphenol	BQL	464	ug/kg	U	1
Acenaphthene	BQL	464	ug/kg	U	1
Acenaphthylene	BQL	464	ug/kg	U	1
Anthracene	BQL	464	ug/kg	U	1
Benzo(a)anthracene	BQL	464	ug/kg	U	1
Benzo(a)pyrene	44.0	464	ug/kg	J	1
Benzo(b)fluoranthene	BQL	464	ug/kg	U	1
Benzo(g,h,i)perylene	BQL	464	ug/kg	U	1
Benzo(k)fluoranthene	BQL	464	ug/kg	U	1
Benzyl Butyl Phthalate	BQL	464	ug/kg	U	1
Carbazole	BQL	464	ug/kg	U	1
Chrysene	BQL	464	ug/kg	U	1

Summary of Analytical Results

Client ID AA1005
GPL ID: 9130-007-03-1/1
Matrix: Soil
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: SW3550
Prep Date: Sep-27-2000
Prep Time: 00:00
Prep Chemist: Rekha Patel

Analytical Method: SW8270CTCL
Date Analyzed: Oct-11-2000
Time Analyzed 18:28
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	464	ug/kg	U	1
Dibenzofuran	BQL	464	ug/kg	U	1
Diethyl Phthalate	BQL	464	ug/kg	U	1
Dimethyl Phthalate	BQL	464	ug/kg	U	1
Fluoranthene	BQL	464	ug/kg	U	1
Fluorene	BQL	464	ug/kg	U	1
Hexachlorobenzene	BQL	464	ug/kg	U	1
Hexachlorobutadiene	BQL	464	ug/kg	U	1
Hexachlorocyclopentadiene	BQL	464	ug/kg	U	1
Hexachloroethane	BQL	464	ug/kg	U	1
Indeno(1,2,3-c,d)Pyrene	BQL	464	ug/kg	U	1
Isophorone	BQL	464	ug/kg	U	1
Naphthalene	BQL	464	ug/kg	U	1
Nitrobenzene	BQL	464	ug/kg	U	1
Pentachlorophenol	BQL	927	ug/kg	U	1
Phenanthrene	BQL	464	ug/kg	U	1
Phenol	BQL	464	ug/kg	U	1
Pyrene	BQL	464	ug/kg	U	1
bis(2-chloroethoxy) methane	BQL	464	ug/kg	U	1
bis(2-chloroethyl) ether	BQL	464	ug/kg	U	1
bis(2-ethylhexyl) phthalate	BQL	464	ug/kg	U	1
di-n-Butyl Phthalate	BQL	464	ug/kg	U	1
di-n-Octyl Phthalate	BQL	464	ug/kg	U	1
n-Nitrosodi-n-Propylamine	BQL	464	ug/kg	U	1
n-Nitrosodiphenylamine	BQL	464	ug/kg	U	1

Summary of Analytical Results

Client ID AA1006
GPL ID: 9130-008-03-1/1
Matrix: Soil
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: SW3550
Prep Date: Sep-27-2000
Prep Time: 00:00
Prep Chemist: Rekha Patel

Analytical Method: SW8270CTCL
Date Analyzed: Oct-11-2000
Time Analyzed 17:15
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	433	ug/kg	U	1
1,2-Dichlorobenzene	BQL	433	ug/kg	U	1
1,3-Dichlorobenzene	BQL	433	ug/kg	U	1
1,4-Dichlorobenzene	BQL	433	ug/kg	U	1
2,2-Oxybis(1-Chloro)Propane	BQL	433	ug/kg	U	1
2,4,5-Trichlorophenol	BQL	433	ug/kg	U	1
2,4,6-Trichlorophenol	BQL	433	ug/kg	U	1
2,4-Dichlorophenol	BQL	433	ug/kg	U	1
2,4-Dimethylphenol	BQL	433	ug/kg	U	1
2,4-Dinitrophenol	BQL	867	ug/kg	U	1
2,4-Dinitrotoluene	BQL	433	ug/kg	U	1
2,6-Dinitrotoluene	BQL	433	ug/kg	U	1
2-Chloronaphthalene	BQL	433	ug/kg	U	1
2-Chlorophenol	BQL	433	ug/kg	U	1
2-Methylnaphthalene	BQL	433	ug/kg	U	1
2-Nitroaniline	BQL	433	ug/kg	U	1
2-Nitrophenol	BQL	433	ug/kg	U	1
2-methylphenol	BQL	433	ug/kg	U	1
3,3-Dichlorobenzidine	BQL	867	ug/kg	U	1
3-Nitroaniline	BQL	433	ug/kg	U	1
4,6-dinitro-2-methyl phenol	BQL	867	ug/kg	U	1
4-Bromophenyl-phenylether	BQL	433	ug/kg	U	1
4-Chloroaniline	BQL	433	ug/kg	U	1
4-Chlorophenyl Phenyl Ether	BQL	433	ug/kg	U	1
4-Nitroaniline	BQL	433	ug/kg	U	1
4-Nitrophenol	BQL	867	ug/kg	U	1
4-chloro-3-methylphenol	BQL	433	ug/kg	U	1
4-methylphenol	BQL	433	ug/kg	U	1
Acenaphthene	BQL	433	ug/kg	U	1
Acenaphthylene	BQL	433	ug/kg	U	1
Anthracene	BQL	433	ug/kg	U	1
Benzo(a)anthracene	286	433	ug/kg	J	1
Benzo(a)pyrene	136	433	ug/kg	J	1
Benzo(b)fluoranthene	182	433	ug/kg	J	1
Benzo(g,h,i)perylene	BQL	433	ug/kg	U	1
Benzo(k)fluoranthene	BQL	433	ug/kg	U	1
Benzyl Butyl Phthalate	BQL	433	ug/kg	U	1
Carbazole	BQL	433	ug/kg	U	1
Chrysene	163	433	ug/kg	J	1

Summary of Analytical Results

Client ID AA1006
GPL ID: 9130-008-03-1/1
Matrix: Soil
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: SW3550
Prep Date: Sep-27-2000
Prep Time: 00:00
Prep Chemist: Rekha Patel

Analytical Method: SW8270CTCL
Date Analyzed: Oct-11-2000
Time Analyzed 17:15
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	433	ug/kg	U	1
Dibenzofuran	BQL	433	ug/kg	U	1
Diethyl Phthalate	BQL	433	ug/kg	U	1
Dimethyl Phthalate	BQL	433	ug/kg	U	1
Fluoranthene	688	433	ug/kg		1
Fluorene	BQL	433	ug/kg	U	1
Hexachlorobenzene	BQL	433	ug/kg	U	1
Hexachlorobutadiene	BQL	433	ug/kg	U	1
Hexachlorocyclopentadiene	BQL	433	ug/kg	U	1
Hexachloroethane	BQL	433	ug/kg	U	1
Indeno(1,2,3-c,d)Pyrene	BQL	433	ug/kg	U	1
Isophorone	BQL	433	ug/kg	U	1
Naphthalene	BQL	433	ug/kg	U	1
Nitrobenzene	BQL	433	ug/kg	U	1
Pentachlorophenol	BQL	867	ug/kg	U	1
Phenanthrene	107	433	ug/kg	J	1
Phenol	BQL	433	ug/kg	U	1
Pyrene	458	433	ug/kg		1
bis(2-chloroethoxy) methane	BQL	433	ug/kg	U	1
bis(2-chloroethyl) ether	BQL	433	ug/kg	U	1
bis(2-ethylhexyl) phthalate	BQL	433	ug/kg	U	1
di-n-Butyl Phthalate	BQL	433	ug/kg	U	1
di-n-Octyl Phthalate	BQL	433	ug/kg	U	1
n-Nitrosodi-n-Propylamine	BQL	433	ug/kg	U	1
n-Nitrosodiphenylamine	BQL	433	ug/kg	U	1

Summary of Analytical Results

Client ID AA1007
GPL ID: 9130-009-03-1/1
Matrix: Soil
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: SW3550
Prep Date: Sep-27-2000
Prep Time: 00:00
Prep Chemist: Rekha Patel

Analytical Method: SW8270CTCL
Date Analyzed: Oct-11-2000
Time Analyzed 15:26
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	462	ug/kg	U	1
1,2-Dichlorobenzene	BQL	462	ug/kg	U	1
1,3-Dichlorobenzene	BQL	462	ug/kg	U	1
1,4-Dichlorobenzene	BQL	462	ug/kg	U	1
2,2-Oxybis(1-Chloro)Propane	BQL	462	ug/kg	U	1
2,4,5-Trichlorophenol	BQL	462	ug/kg	U	1
2,4,6-Trichlorophenol	BQL	462	ug/kg	U	1
2,4-Dichlorophenol	BQL	462	ug/kg	U	1
2,4-Dimethylphenol	BQL	462	ug/kg	U	1
2,4-Dinitrophenol	BQL	923	ug/kg	U	1
2,4-Dinitrotoluene	116	462	ug/kg	J	1
2,6-Dinitrotoluene	53.5	462	ug/kg	J	1
2-Chloronaphthalene	BQL	462	ug/kg	U	1
2-Chlorophenol	BQL	462	ug/kg	U	1
2-Methylnaphthalene	BQL	462	ug/kg	U	1
2-Nitroaniline	BQL	462	ug/kg	U	1
2-Nitrophenol	BQL	462	ug/kg	U	1
2-methylphenol	BQL	462	ug/kg	U	1
3,3-Dichlorobenzidine	BQL	923	ug/kg	U	1
3-Nitroaniline	BQL	462	ug/kg	U	1
4,6-dinitro-2-methyl phenol	BQL	923	ug/kg	U	1
4-Bromophenyl-phenylether	BQL	462	ug/kg	U	1
4-Chloroaniline	BQL	462	ug/kg	U	1
4-Chlorophenyl Phenyl Ether	BQL	462	ug/kg	U	1
4-Nitroaniline	BQL	462	ug/kg	U	1
4-Nitrophenol	BQL	923	ug/kg	U	1
4-chloro-3-methylphenol	BQL	462	ug/kg	U	1
4-methylphenol	BQL	462	ug/kg	U	1
Acenaphthene	BQL	462	ug/kg	U	1
Acenaphthylene	BQL	462	ug/kg	U	1
Anthracene	BQL	462	ug/kg	U	1
Benzo(a)anthracene	BQL	462	ug/kg	U	1
Benzo(a)pyrene	BQL	462	ug/kg	U	1
Benzo(b)fluoranthene	BQL	462	ug/kg	U	1
Benzo(g,h,i)perylene	BQL	462	ug/kg	U	1
Benzo(k)fluoranthene	BQL	462	ug/kg	U	1
Benzyl Butyl Phthalate	BQL	462	ug/kg	U	1
Carbazole	BQL	462	ug/kg	U	1
Chrysene	BQL	462	ug/kg	U	1

Summary of Analytical Results

Client ID AA1007
GPL ID: 9130-009-03-1/1
Matrix: Soil
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: SW3550
Prep Date: Sep-27-2000
Prep Time: 00:00
Prep Chemist: Rekha Patel

Analytical Method: SW8270CTCL
Date Analyzed: Oct-11-2000
Time Analyzed 15:26
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	462	ug/kg	U	1
Dibenzofuran	BQL	462	ug/kg	U	1
Diethyl Phthalate	BQL	462	ug/kg	U	1
Dimethyl Phthalate	BQL	462	ug/kg	U	1
Fluoranthene	BQL	462	ug/kg	U	1
Fluorene	BQL	462	ug/kg	U	1
Hexachlorobenzene	BQL	462	ug/kg	U	1
Hexachlorobutadiene	BQL	462	ug/kg	U	1
Hexachlorocyclopentadiene	BQL	462	ug/kg	U	1
Hexachloroethane	BQL	462	ug/kg	U	1
Indeno(1,2,3-c,d)Pyrene	BQL	462	ug/kg	U	1
Isophorone	BQL	462	ug/kg	U	1
Naphthalene	BQL	462	ug/kg	U	1
Nitrobenzene	BQL	462	ug/kg	U	1
Pentachlorophenol	BQL	923	ug/kg	U	1
Phenanthrene	BQL	462	ug/kg	U	1
Phenol	BQL	462	ug/kg	U	1
Pyrene	BQL	462	ug/kg	U	1
bis(2-chloroethoxy) methane	BQL	462	ug/kg	U	1
bis(2-chloroethyl) ether	BQL	462	ug/kg	U	1
bis(2-ethylhexyl) phthalate	BQL	462	ug/kg	U	1
di-n-Butyl Phthalate	BQL	462	ug/kg	U	1
di-n-Octyl Phthalate	BQL	462	ug/kg	U	1
n-Nitrosodi-n-Propylamine	BQL	462	ug/kg	U	1
n-Nitrosodiphenylamine	BQL	462	ug/kg	U	1

Summary of Analytical Results

Client ID AA1009
GPL ID: 9130-010-03-1/1
Matrix: Soil
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: SW3550
Prep Date: Sep-27-2000
Prep Time: 00:00
Prep Chemist: Rekha Patel

Analytical Method: SW8270CTCL
Date Analyzed: Oct-11-2000
Time Analyzed 17:51
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	504	ug/kg	U	1
1,2-Dichlorobenzene	BQL	504	ug/kg	U	1
1,3-Dichlorobenzene	BQL	504	ug/kg	U	1
1,4-Dichlorobenzene	BQL	504	ug/kg	U	1
2,2-Oxybis(1-Chloro)Propane	BQL	504	ug/kg	U	1
2,4,5-Trichlorophenol	BQL	504	ug/kg	U	1
2,4,6-Trichlorophenol	BQL	504	ug/kg	U	1
2,4-Dichlorophenol	BQL	504	ug/kg	U	1
2,4-Dimethylphenol	BQL	504	ug/kg	U	1
2,4-Dinitrophenol	BQL	1010	ug/kg	U	1
2,4-Dinitrotoluene	BQL	504	ug/kg	U	1
2,6-Dinitrotoluene	BQL	504	ug/kg	U	1
2-Chloronaphthalene	BQL	504	ug/kg	U	1
2-Chlorophenol	BQL	504	ug/kg	U	1
2-Methylnaphthalene	BQL	504	ug/kg	U	1
2-Nitroaniline	BQL	504	ug/kg	U	1
2-Nitrophenol	BQL	504	ug/kg	U	1
2-methylphenol	BQL	504	ug/kg	U	1
3,3-Dichlorobenzidine	BQL	1010	ug/kg	U	1
3-Nitroaniline	BQL	504	ug/kg	U	1
4,6-dinitro-2-methyl phenol	BQL	1010	ug/kg	U	1
4-Bromophenyl-phenylether	BQL	504	ug/kg	U	1
4-Chloroaniline	BQL	504	ug/kg	U	1
4-Chlorophenyl Phenyl Ether	BQL	504	ug/kg	U	1
4-Nitroaniline	BQL	504	ug/kg	U	1
4-Nitrophenol	BQL	1010	ug/kg	U	1
4-chloro-3-methylphenol	BQL	504	ug/kg	U	1
4-methylphenol	BQL	504	ug/kg	U	1
Acenaphthene	BQL	504	ug/kg	U	1
Acenaphthylene	BQL	504	ug/kg	U	1
Anthracene	BQL	504	ug/kg	U	1
Benzo(a)anthracene	BQL	504	ug/kg	U	1
Benzo(a)pyrene	BQL	504	ug/kg	U	1
Benzo(b)fluoranthene	BQL	504	ug/kg	U	1
Benzo(g,h,i)perylene	BQL	504	ug/kg	U	1
Benzo(k)fluoranthene	BQL	504	ug/kg	U	1
Benzyl Butyl Phthalate	BQL	504	ug/kg	U	1
Carbazole	BQL	504	ug/kg	U	1
Chrysene	BQL	504	ug/kg	U	1

Summary of Analytical Results

Client ID AA1009
GPL ID: 9130-010-03-1/1
Matrix: Soil
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: SW3550
Prep Date: Sep-27-2000
Prep Time: 00:00
Prep Chemist: Rekha Patel

Analytical Method: SW8270CTCL
Date Analyzed: Oct-11-2000
Time Analyzed 17:51
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	504	ug/kg	U	1
Dibenzofuran	BQL	504	ug/kg	U	1
Diethyl Phthalate	BQL	504	ug/kg	U	1
Dimethyl Phthalate	BQL	504	ug/kg	U	1
Fluoranthene	BQL	504	ug/kg	U	1
Fluorene	BQL	504	ug/kg	U	1
Hexachlorobenzene	BQL	504	ug/kg	U	1
Hexachlorobutadiene	BQL	504	ug/kg	U	1
Hexachlorocyclopentadiene	BQL	504	ug/kg	U	1
Hexachloroethane	BQL	504	ug/kg	U	1
Indeno(1,2,3-c,d)Pyrene	BQL	504	ug/kg	U	1
Isophorone	BQL	504	ug/kg	U	1
Naphthalene	BQL	504	ug/kg	U	1
Nitrobenzene	BQL	504	ug/kg	U	1
Pentachlorophenol	BQL	1010	ug/kg	U	1
Phenanthrene	BQL	504	ug/kg	U	1
Phenol	BQL	504	ug/kg	U	1
Pyrene	BQL	504	ug/kg	U	1
bis(2-chloroethoxy) methane	BQL	504	ug/kg	U	1
bis(2-chloroethyl) ether	BQL	504	ug/kg	U	1
bis(2-ethylhexyl) phthalate	BQL	504	ug/kg	U	1
di-n-Butyl Phthalate	BQL	504	ug/kg	U	1
di-n-Octyl Phthalate	BQL	504	ug/kg	U	1
n-Nitrosodi-n-Propylamine	BQL	504	ug/kg	U	1
n-Nitrosodiphenylamine	BQL	504	ug/kg	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AA1010
GPL ID: 9130-011-03-1/1
Matrix: Soil
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: SW3550
Prep Date: Sep-27-2000
Prep Time: 00:00
Prep Chemist: Rekha Patel

Analytical Method: SW8270CTCL
Date Analyzed: Oct-11-2000
Time Analyzed 16:02
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	442	ug/kg	U	1
1,2-Dichlorobenzene	BQL	442	ug/kg	U	1
1,3-Dichlorobenzene	BQL	442	ug/kg	U	1
1,4-Dichlorobenzene	BQL	442	ug/kg	U	1
2,2-Oxybis(1-Chloro)Propane	BQL	442	ug/kg	U	1
2,4,5-Trichlorophenol	BQL	442	ug/kg	U	1
2,4,6-Trichlorophenol	BQL	442	ug/kg	U	1
2,4-Dichlorophenol	BQL	442	ug/kg	U	1
2,4-Dimethylphenol	BQL	442	ug/kg	U	1
2,4-Dinitrophenol	BQL	884	ug/kg	U	1
2,4-Dinitrotoluene	BQL	442	ug/kg	U	1
2,6-Dinitrotoluene	BQL	442	ug/kg	U	1
2-Chloronaphthalene	BQL	442	ug/kg	U	1
2-Chlorophenol	BQL	442	ug/kg	U	1
2-Methylnaphthalene	BQL	442	ug/kg	U	1
2-Nitroaniline	BQL	442	ug/kg	U	1
2-Nitrophenol	BQL	442	ug/kg	U	1
2-methylphenol	BQL	442	ug/kg	U	1
3,3-Dichlorobenzidine	BQL	884	ug/kg	U	1
3-Nitroaniline	BQL	442	ug/kg	U	1
4,6-dinitro-2-methyl phenol	BQL	884	ug/kg	U	1
4-Bromophenyl-phenylether	BQL	442	ug/kg	U	1
4-Chloroaniline	BQL	442	ug/kg	U	1
4-Chlorophenyl Phenyl Ether	BQL	442	ug/kg	U	1
4-Nitroaniline	BQL	442	ug/kg	U	1
4-Nitrophenol	BQL	884	ug/kg	U	1
4-chloro-3-methylphenol	BQL	442	ug/kg	U	1
4-methylphenol	BQL	442	ug/kg	U	1
Acenaphthene	BQL	442	ug/kg	U	1
Acenaphthylene	BQL	442	ug/kg	U	1
Anthracene	BQL	442	ug/kg	U	1
Benzo(a)anthracene	BQL	442	ug/kg	U	1
Benzo(a)pyrene	BQL	442	ug/kg	U	1
Benzo(b)fluoranthene	BQL	442	ug/kg	U	1
Benzo(g,h,i)perylene	BQL	442	ug/kg	U	1
Benzo(k)fluoranthene	BQL	442	ug/kg	U	1
Benzyl Butyl Phthalate	BQL	442	ug/kg	U	1
Carbazole	BQL	442	ug/kg	U	1
Chrysene	BQL	442	ug/kg	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AA1010
GPL ID: 9130-011-03-1/1
Matrix: Soil
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: SW3550
Prep Date: Sep-27-2000
Prep Time: 00:00
Prep Chemist: Rekha Patel

Analytical Method: SW8270CTCL
Date Analyzed: Oct-11-2000
Time Analyzed 16:02
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	442	ug/kg	U	1
Dibenzofuran	BQL	442	ug/kg	U	1
Diethyl Phthalate	BQL	442	ug/kg	U	1
Dimethyl Phthalate	BQL	442	ug/kg	U	1
Fluoranthene	BQL	442	ug/kg	U	1
Fluorene	BQL	442	ug/kg	U	1
Hexachlorobenzene	BQL	442	ug/kg	U	1
Hexachlorobutadiene	BQL	442	ug/kg	U	1
Hexachlorocyclopentadiene	BQL	442	ug/kg	U	1
Hexachloroethane	BQL	442	ug/kg	U	1
Indeno(1,2,3-c,d)Pyrene	BQL	442	ug/kg	U	1
Isophorone	BQL	442	ug/kg	U	1
Naphthalene	BQL	442	ug/kg	U	1
Nitrobenzene	BQL	442	ug/kg	U	1
Pentachlorophenol	BQL	884	ug/kg	U	1
Phenanthrene	BQL	442	ug/kg	U	1
Phenol	BQL	442	ug/kg	U	1
Pyrene	BQL	442	ug/kg	U	1
bis(2-chloroethoxy) methane	BQL	442	ug/kg	U	1
bis(2-chloroethyl) ether	BQL	442	ug/kg	U	1
bis(2-ethylhexyl) phthalate	BQL	442	ug/kg	U	1
di-n-Butyl Phthalate	BQL	442	ug/kg	U	1
di-n-Octyl Phthalate	BQL	442	ug/kg	U	1
n-Nitrosodi-n-Propylamine	BQL	442	ug/kg	U	1
n-Nitrosodiphenylamine	BQL	442	ug/kg	U	1

Summary of Analytical Results

Client ID AA1011
GPL ID: 9130-012-03-1/1
Matrix: Soil
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: SW3550
Prep Date: Sep-27-2000
Prep Time: 00:00
Prep Chemist: Rekha Patel

Analytical Method: SW8270CTCL
Date Analyzed: Oct-11-2000
Time Analyzed 16:39
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	443	ug/kg	U	1
1,2-Dichlorobenzene	BQL	443	ug/kg	U	1
1,3-Dichlorobenzene	BQL	443	ug/kg	U	1
1,4-Dichlorobenzene	BQL	443	ug/kg	U	1
2,2-Oxybis(1-Chloro)Propane	BQL	443	ug/kg	U	1
2,4,5-Trichlorophenol	BQL	443	ug/kg	U	1
2,4,6-Trichlorophenol	BQL	443	ug/kg	U	1
2,4-Dichlorophenol	BQL	443	ug/kg	U	1
2,4-Dimethylphenol	BQL	443	ug/kg	U	1
2,4-Dinitrophenol	BQL	887	ug/kg	U	1
2,4-Dinitrotoluene	BQL	443	ug/kg	U	1
2,6-Dinitrotoluene	BQL	443	ug/kg	U	1
2-Chloronaphthalene	BQL	443	ug/kg	U	1
2-Chlorophenol	BQL	443	ug/kg	U	1
2-Methylnaphthalene	BQL	443	ug/kg	U	1
2-Nitroaniline	BQL	443	ug/kg	U	1
2-Nitrophenol	BQL	443	ug/kg	U	1
2-methylphenol	BQL	443	ug/kg	U	1
3,3-Dichlorobenzidine	BQL	887	ug/kg	U	1
3-Nitroaniline	BQL	443	ug/kg	U	1
4,6-dinitro-2-methyl phenol	BQL	887	ug/kg	U	1
4-Bromophenyl-phenylether	BQL	443	ug/kg	U	1
4-Chloroaniline	BQL	443	ug/kg	U	1
4-Chlorophenyl Phenyl Ether	BQL	443	ug/kg	U	1
4-Nitroaniline	BQL	443	ug/kg	U	1
4-Nitrophenol	BQL	887	ug/kg	U	1
4-chloro-3-methylphenol	BQL	443	ug/kg	U	1
4-methylphenol	BQL	443	ug/kg	U	1
Acenaphthene	BQL	443	ug/kg	U	1
Acenaphthylene	BQL	443	ug/kg	U	1
Anthracene	BQL	443	ug/kg	U	1
Benzo(a)anthracene	BQL	443	ug/kg	U	1
Benzo(a)pyrene	BQL	443	ug/kg	U	1
Benzo(b)fluoranthene	BQL	443	ug/kg	U	1
Benzo(g,h,i)perylene	BQL	443	ug/kg	U	1
Benzo(k)fluoranthene	BQL	443	ug/kg	U	1
Benzyl Butyl Phthalate	BQL	443	ug/kg	U	1
Carbazole	BQL	443	ug/kg	U	1
Chrysene	BQL	443	ug/kg	U	1

Summary of Analytical Results

Client ID AA1011
GPL ID: 9130-012-03-1/1
Matrix: Soil
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: SW3550
Prep Date: Sep-27-2000
Prep Time: 00:00
Prep Chemist: Rekha Patel

Analytical Method: SW8270CTCL
Date Analyzed: Oct-11-2000
Time Analyzed 16:39
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	443	ug/kg	U	1
Dibenzofuran	BQL	443	ug/kg	U	1
Diethyl Phthalate	BQL	443	ug/kg	U	1
Dimethyl Phthalate	BQL	443	ug/kg	U	1
Fluoranthene	BQL	443	ug/kg	U	1
Fluorene	BQL	443	ug/kg	U	1
Hexachlorobenzene	BQL	443	ug/kg	U	1
Hexachlorobutadiene	BQL	443	ug/kg	U	1
Hexachlorocyclopentadiene	BQL	443	ug/kg	U	1
Hexachloroethane	BQL	443	ug/kg	U	1
Indeno(1,2,3-c,d)Pyrene	BQL	443	ug/kg	U	1
Isophorone	BQL	443	ug/kg	U	1
Naphthalene	BQL	443	ug/kg	U	1
Nitrobenzene	BQL	443	ug/kg	U	1
Pentachlorophenol	BQL	887	ug/kg	U	1
Phenanthrene	BQL	443	ug/kg	U	1
Phenol	BQL	443	ug/kg	U	1
Pyrene	BQL	443	ug/kg	U	1
bis(2-chloroethoxy) methane	BQL	443	ug/kg	U	1
bis(2-chloroethyl) ether	BQL	443	ug/kg	U	1
bis(2-ethylhexyl) phthalate	BQL	443	ug/kg	U	1
di-n-Butyl Phthalate	BQL	443	ug/kg	U	1
di-n-Octyl Phthalate	BQL	443	ug/kg	U	1
n-Nitrosodi-n-Propylamine	BQL	443	ug/kg	U	1
n-Nitrosodiphenylamine	BQL	443	ug/kg	U	1

Summary of Analytical Results

Client ID AA1013
GPL ID: 9130-013-03-1/1
Matrix: Soil
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: SW3550
Prep Date: Sep-27-2000
Prep Time: 00:00
Prep Chemist: Rekha Patel

Analytical Method: SW8270CTCL
Date Analyzed: Oct-11-2000
Time Analyzed 19:04
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	614	ug/kg	U	1
1,2-Dichlorobenzene	BQL	614	ug/kg	U	1
1,3-Dichlorobenzene	BQL	614	ug/kg	U	1
1,4-Dichlorobenzene	BQL	614	ug/kg	U	1
2,2-Oxybis(1-Chloro)Propane	BQL	614	ug/kg	U	1
2,4,5-Trichlorophenol	BQL	614	ug/kg	U	1
2,4,6-Trichlorophenol	BQL	614	ug/kg	U	1
2,4-Dichlorophenol	BQL	614	ug/kg	U	1
2,4-Dimethylphenol	BQL	614	ug/kg	U	1
2,4-Dinitrophenol	BQL	1230	ug/kg	U	1
2,4-Dinitrotoluene	BQL	614	ug/kg	U	1
2,6-Dinitrotoluene	BQL	614	ug/kg	U	1
2-Chloronaphthalene	BQL	614	ug/kg	U	1
2-Chlorophenol	BQL	614	ug/kg	U	1
2-Methylnaphthalene	BQL	614	ug/kg	U	1
2-Nitroaniline	BQL	614	ug/kg	U	1
2-Nitrophenol	BQL	614	ug/kg	U	1
2-methylphenol	BQL	614	ug/kg	U	1
3,3-Dichlorobenzidine	BQL	1230	ug/kg	U	1
3-Nitroaniline	BQL	614	ug/kg	U	1
4,6-dinitro-2-methyl phenol	BQL	1230	ug/kg	U	1
4-Bromophenyl-phenylether	BQL	614	ug/kg	U	1
4-Chloroaniline	BQL	614	ug/kg	U	1
4-Chlorophenyl Phenyl Ether	BQL	614	ug/kg	U	1
4-Nitroaniline	BQL	614	ug/kg	U	1
4-Nitrophenol	BQL	1230	ug/kg	U	1
4-chloro-3-methylphenol	BQL	614	ug/kg	U	1
4-methylphenol	BQL	614	ug/kg	U	1
Acenaphthene	109	614	ug/kg	J	1
Acenaphthylene	298	614	ug/kg	J	1
Anthracene	600	614	ug/kg	J	1
Benzo(a)anthracene	2810	614	ug/kg		1
Benzo(a)pyrene	1930	614	ug/kg		1
Benzo(b)fluoranthene	2340	614	ug/kg		1
Benzo(g,h,i)perylene	861	614	ug/kg		1
Benzo(k)fluoranthene	1110	614	ug/kg		1
Benzyl Butyl Phthalate	BQL	614	ug/kg	U	1
Carbazole	89.6	614	ug/kg	J	1
Chrysene	2920	614	ug/kg		1

Summary of Analytical Results

Client ID AA1013
GPL ID: 9130-013-03-1/1
Matrix: Soil
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: SW3550
Prep Date: Sep-27-2000
Prep Time: 00:00
Prep Chemist: Rekha Patel

Analytical Method: SW8270CTCL
Date Analyzed: Oct-11-2000
Time Analyzed 19:04
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	327	614	ug/kg	J	1
Dibenzofuran	BQL	614	ug/kg	U	1
Diethyl Phthalate	BQL	614	ug/kg	U	1
Dimethyl Phthalate	BQL	614	ug/kg	U	1
Fluoranthene	5950	614	ug/kg		1
Fluorene	223	614	ug/kg	J	1
Hexachlorobenzene	BQL	614	ug/kg	U	1
Hexachlorobutadiene	BQL	614	ug/kg	U	1
Hexachlorocyclopentadiene	BQL	614	ug/kg	U	1
Hexachloroethane	BQL	614	ug/kg	U	1
Indeno(1,2,3-c,d)Pyrene	778	614	ug/kg		1
Isophorone	BQL	614	ug/kg	U	1
Naphthalene	BQL	614	ug/kg	U	1
Nitrobenzene	BQL	614	ug/kg	U	1
Pentachlorophenol	BQL	1230	ug/kg	U	1
Phenanthrene	3580	614	ug/kg		1
Phenol	BQL	614	ug/kg	U	1
Pyrene	4740	614	ug/kg		1
bis(2-chloroethoxy) methane	BQL	614	ug/kg	U	1
bis(2-chloroethyl) ether	BQL	614	ug/kg	U	1
bis(2-ethylhexyl) phthalate	BQL	614	ug/kg	U	1
di-n-Butyl Phthalate	BQL	614	ug/kg	U	1
di-n-Octyl Phthalate	BQL	614	ug/kg	U	1
n-Nitrosodi-n-Propylamine	BQL	614	ug/kg	U	1
n-Nitrosodiphenylamine	BQL	614	ug/kg	U	1

Summary of Analytical Results

Client ID AA1014
GPL ID: 9130-014-03-1/1
Matrix: Soil
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: SW3550
Prep Date: Sep-27-2000
Prep Time: 00:00
Prep Chemist: Rekha Patel

Analytical Method: SW8270CTCL
Date Analyzed: Oct-11-2000
Time Analyzed 19:40
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	558	ug/kg	U	1
1,2-Dichlorobenzene	BQL	558	ug/kg	U	1
1,3-Dichlorobenzene	BQL	558	ug/kg	U	1
1,4-Dichlorobenzene	BQL	558	ug/kg	U	1
2,2-Oxybis(1-Chloro)Propane	BQL	558	ug/kg	U	1
2,4,5-Trichlorophenol	BQL	558	ug/kg	U	1
2,4,6-Trichlorophenol	BQL	558	ug/kg	U	1
2,4-Dichlorophenol	BQL	558	ug/kg	U	1
2,4-Dimethylphenol	BQL	558	ug/kg	U	1
2,4-Dinitrophenol	BQL	1120	ug/kg	U	1
2,4-Dinitrotoluene	BQL	558	ug/kg	U	1
2,6-Dinitrotoluene	BQL	558	ug/kg	U	1
2-Chloronaphthalene	BQL	558	ug/kg	U	1
2-Chlorophenol	BQL	558	ug/kg	U	1
2-Methylnaphthalene	BQL	558	ug/kg	U	1
2-Nitroaniline	BQL	558	ug/kg	U	1
2-Nitrophenol	BQL	558	ug/kg	U	1
2-methylphenol	BQL	558	ug/kg	U	1
3,3-Dichlorobenzidine	BQL	1120	ug/kg	U	1
3-Nitroaniline	BQL	558	ug/kg	U	1
4,6-dinitro-2-methyl phenol	BQL	1120	ug/kg	U	1
4-Bromophenyl-phenylether	BQL	558	ug/kg	U	1
4-Chloroaniline	BQL	558	ug/kg	U	1
4-Chlorophenyl Phenyl Ether	BQL	558	ug/kg	U	1
4-Nitroaniline	BQL	558	ug/kg	U	1
4-Nitrophenol	BQL	1120	ug/kg	U	1
4-chloro-3-methylphenol	BQL	558	ug/kg	U	1
4-methylphenol	BQL	558	ug/kg	U	1
Acenaphthene	BQL	558	ug/kg	U	1
Acenaphthylene	BQL	558	ug/kg	U	1
Anthracene	BQL	558	ug/kg	U	1
Benzo(a)anthracene	88.1	558	ug/kg	J	1
Benzo(a)pyrene	77.0	558	ug/kg	J	1
Benzo(b)fluoranthene	BQL	558	ug/kg	U	1
Benzo(g,h,i)perylene	BQL	558	ug/kg	U	1
Benzo(k)fluoranthene	BQL	558	ug/kg	U	1
Benzyl Butyl Phthalate	BQL	558	ug/kg	U	1
Carbazole	BQL	558	ug/kg	U	1
Chrysene	74.2	558	ug/kg	J	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AA1014
GPL ID: 9130-014-03-1/1
Matrix: Soil
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: SW3550
Prep Date: Sep-27-2000
Prep Time: 00:00
Prep Chemist: Rekha Patel

Analytical Method: SW8270CTCL
Date Analyzed: Oct-11-2000
Time Analyzed 19:40
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	558	ug/kg	U	1
Dibenzofuran	BQL	558	ug/kg	U	1
Diethyl Phthalate	BQL	558	ug/kg	U	1
Dimethyl Phthalate	BQL	558	ug/kg	U	1
Fluoranthene	161	558	ug/kg	J	1
Fluorene	BQL	558	ug/kg	U	1
Hexachlorobenzene	BQL	558	ug/kg	U	1
Hexachlorobutadiene	BQL	558	ug/kg	U	1
Hexachlorocyclopentadiene	BQL	558	ug/kg	U	1
Hexachloroethane	BQL	558	ug/kg	U	1
Indeno(1,2,3-c,d)Pyrene	BQL	558	ug/kg	U	1
Isophorone	BQL	558	ug/kg	U	1
Naphthalene	BQL	558	ug/kg	U	1
Nitrobenzene	BQL	558	ug/kg	U	1
Pentachlorophenol	BQL	1120	ug/kg	U	1
Phenanthrene	BQL	558	ug/kg	U	1
Phenol	BQL	558	ug/kg	U	1
Pyrene	119	558	ug/kg	J	1
bis(2-chloroethoxy) methane	BQL	558	ug/kg	U	1
bis(2-chloroethyl) ether	BQL	558	ug/kg	U	1
bis(2-ethylhexyl) phthalate	68.6	558	ug/kg	J	1
di-n-Butyl Phthalate	BQL	558	ug/kg	U	1
di-n-Octyl Phthalate	BQL	558	ug/kg	U	1
n-Nitrosodi-n-Propylamine	BQL	558	ug/kg	U	1
n-Nitrosodiphenylamine	BQL	558	ug/kg	U	1

Summary of Analytical Results

Client ID AA1015
GPL ID: 9130-015-03-1/1
Matrix: Soil
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: SW3550
Prep Date: Sep-27-2000
Prep Time: 00:00
Prep Chemist: Rekha Patel

Analytical Method: SW8270CTCL
Date Analyzed: Oct-11-2000
Time Analyzed 20:16
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	545	ug/kg	U	1
1,2-Dichlorobenzene	BQL	545	ug/kg	U	1
1,3-Dichlorobenzene	BQL	545	ug/kg	U	1
1,4-Dichlorobenzene	BQL	545	ug/kg	U	1
2,2-Oxybis(1-Chloro)Propane	BQL	545	ug/kg	U	1
2,4,5-Trichlorophenol	BQL	545	ug/kg	U	1
2,4,6-Trichlorophenol	BQL	545	ug/kg	U	1
2,4-Dichlorophenol	BQL	545	ug/kg	U	1
2,4-Dimethylphenol	BQL	545	ug/kg	U	1
2,4-Dinitrophenol	BQL	1090	ug/kg	U	1
2,4-Dinitrotoluene	BQL	545	ug/kg	U	1
2,6-Dinitrotoluene	BQL	545	ug/kg	U	1
2-Chloronaphthalene	BQL	545	ug/kg	U	1
2-Chlorophenol	BQL	545	ug/kg	U	1
2-Methylnaphthalene	BQL	545	ug/kg	U	1
2-Nitroaniline	BQL	545	ug/kg	U	1
2-Nitrophenol	BQL	545	ug/kg	U	1
2-methylphenol	BQL	545	ug/kg	U	1
3,3-Dichlorobenzidine	BQL	1090	ug/kg	U	1
3-Nitroaniline	BQL	545	ug/kg	U	1
4,6-dinitro-2-methyl phenol	BQL	1090	ug/kg	U	1
4-Bromophenyl-phenylether	BQL	545	ug/kg	U	1
4-Chloroaniline	BQL	545	ug/kg	U	1
4-Chlorophenyl Phenyl Ether	BQL	545	ug/kg	U	1
4-Nitroaniline	BQL	545	ug/kg	U	1
4-Nitrophenol	BQL	1090	ug/kg	U	1
4-chloro-3-methylphenol	BQL	545	ug/kg	U	1
4-methylphenol	BQL	545	ug/kg	U	1
Acenaphthene	BQL	545	ug/kg	U	1
Acenaphthylene	BQL	545	ug/kg	U	1
Anthracene	BQL	545	ug/kg	U	1
Benzo(a)anthracene	BQL	545	ug/kg	U	1
Benzo(a)pyrene	BQL	545	ug/kg	U	1
Benzo(b)fluoranthene	BQL	545	ug/kg	U	1
Benzo(g,h,i)perylene	BQL	545	ug/kg	U	1
Benzo(k)fluoranthene	BQL	545	ug/kg	U	1
Benzyl Butyl Phthalate	BQL	545	ug/kg	U	1
Carbazole	BQL	545	ug/kg	U	1
Chrysene	BQL	545	ug/kg	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AA1015
GPL ID: 9130-015-03-1/1
Matrix: Soil
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: SW3550
Prep Date: Sep-27-2000
Prep Time: 00:00
Prep Chemist: Rekha Patel

Analytical Method: SW8270CTCL
Date Analyzed: Oct-11-2000
Time Analyzed 20:16
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	545	ug/kg	U	1
Dibenzofuran	BQL	545	ug/kg	U	1
Diethyl Phthalate	BQL	545	ug/kg	U	1
Dimethyl Phthalate	BQL	545	ug/kg	U	1
Fluoranthene	BQL	545	ug/kg	U	1
Fluorene	BQL	545	ug/kg	U	1
Hexachlorobenzene	BQL	545	ug/kg	U	1
Hexachlorobutadiene	BQL	545	ug/kg	U	1
Hexachlorocyclopentadiene	BQL	545	ug/kg	U	1
Hexachloroethane	BQL	545	ug/kg	U	1
Indeno(1,2,3-c,d)Pyrene	BQL	545	ug/kg	U	1
Isophorone	BQL	545	ug/kg	U	1
Naphthalene	BQL	545	ug/kg	U	1
Nitrobenzene	BQL	545	ug/kg	U	1
Pentachlorophenol	BQL	1090	ug/kg	U	1
Phenanthrene	BQL	545	ug/kg	U	1
Phenol	BQL	545	ug/kg	U	1
Pyrene	BQL	545	ug/kg	U	1
bis(2-chloroethoxy) methane	BQL	545	ug/kg	U	1
bis(2-chloroethyl) ether	BQL	545	ug/kg	U	1
bis(2-ethylhexyl) phthalate	35.4	545	ug/kg	J	1
di-n-Butyl Phthalate	BQL	545	ug/kg	U	1
di-n-Octyl Phthalate	BQL	545	ug/kg	U	1
n-Nitrosodi-n-Propylamine	BQL	545	ug/kg	U	1
n-Nitrosodiphenylamine	BQL	545	ug/kg	U	1

Summary of Analytical Results

Client ID AA1016
GPL ID: 9130-016-03-1/1
Matrix: Soil
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: SW3550
Prep Date: Sep-27-2000
Prep Time: 00:00
Prep Chemist: Rekha Patel

Analytical Method: SW8270CTCL
Date Analyzed: Oct-11-2000
Time Analyzed 20:52
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	615	ug/kg	U	1
1,2-Dichlorobenzene	BQL	615	ug/kg	U	1
1,3-Dichlorobenzene	BQL	615	ug/kg	U	1
1,4-Dichlorobenzene	BQL	615	ug/kg	U	1
2,2-Oxybis(1-Chloro)Propane	BQL	615	ug/kg	U	1
2,4,5-Trichlorophenol	BQL	615	ug/kg	U	1
2,4,6-Trichlorophenol	BQL	615	ug/kg	U	1
2,4-Dichlorophenol	BQL	615	ug/kg	U	1
2,4-Dimethylphenol	BQL	615	ug/kg	U	1
2,4-Dinitrophenol	BQL	1230	ug/kg	U	1
2,4-Dinitrotoluene	BQL	615	ug/kg	U	1
2,6-Dinitrotoluene	BQL	615	ug/kg	U	1
2-Chloronaphthalene	BQL	615	ug/kg	U	1
2-Chlorophenol	BQL	615	ug/kg	U	1
2-Methylnaphthalene	BQL	615	ug/kg	U	1
2-Nitroaniline	BQL	615	ug/kg	U	1
2-Nitrophenol	BQL	615	ug/kg	U	1
2-methylphenol	BQL	615	ug/kg	U	1
3,3-Dichlorobenzidine	BQL	1230	ug/kg	U	1
3-Nitroaniline	BQL	615	ug/kg	U	1
4,6-dinitro-2-methyl phenol	BQL	1230	ug/kg	U	1
4-Bromophenyl-phenylether	BQL	615	ug/kg	U	1
4-Chloroaniline	BQL	615	ug/kg	U	1
4-Chlorophenyl Phenyl Ether	BQL	615	ug/kg	U	1
4-Nitroaniline	BQL	615	ug/kg	U	1
4-Nitrophenol	BQL	1230	ug/kg	U	1
4-chloro-3-methylphenol	BQL	615	ug/kg	U	1
4-methylphenol	BQL	615	ug/kg	U	1
Acenaphthene	BQL	615	ug/kg	U	1
Acenaphthylene	BQL	615	ug/kg	U	1
Anthracene	BQL	615	ug/kg	U	1
Benzo(a)anthracene	BQL	615	ug/kg	U	1
Benzo(a)pyrene	57.8	615	ug/kg	J	1
Benzo(b)fluoranthene	BQL	615	ug/kg	U	1
Benzo(g,h,i)perylene	BQL	615	ug/kg	U	1
Benzo(k)fluoranthene	BQL	615	ug/kg	U	1
Benzyl Butyl Phthalate	BQL	615	ug/kg	U	1
Carbazole	BQL	615	ug/kg	U	1
Chrysene	BQL	615	ug/kg	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AA1016
GPL ID: 9130-016-03-1/1
Matrix: Soil
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: SW3550
Prep Date: Sep-27-2000
Prep Time: 00:00
Prep Chemist: Rekha Patel

Analytical Method: SW8270CTCL
Date Analyzed: Oct-11-2000
Time Analyzed 20:52
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	615	ug/kg	U	1
Dibenzofuran	BQL	615	ug/kg	U	1
Diethyl Phthalate	BQL	615	ug/kg	U	1
Dimethyl Phthalate	BQL	615	ug/kg	U	1
Fluoranthene	143	615	ug/kg	J	1
Fluorene	BQL	615	ug/kg	U	1
Hexachlorobenzene	BQL	615	ug/kg	U	1
Hexachlorobutadiene	BQL	615	ug/kg	U	1
Hexachlorocyclopentadiene	BQL	615	ug/kg	U	1
Hexachloroethane	BQL	615	ug/kg	U	1
Indeno(1,2,3-c,d)Pyrene	BQL	615	ug/kg	U	1
Isophorone	BQL	615	ug/kg	U	1
Naphthalene	BQL	615	ug/kg	U	1
Nitrobenzene	BQL	615	ug/kg	U	1
Pentachlorophenol	BQL	1230	ug/kg	U	1
Phenanthrene	BQL	615	ug/kg	U	1
Phenol	BQL	615	ug/kg	U	1
Pyrene	BQL	615	ug/kg	U	1
bis(2-chloroethoxy) methane	BQL	615	ug/kg	U	1
bis(2-chloroethyl) ether	BQL	615	ug/kg	U	1
bis(2-ethylhexyl) phthalate	BQL	615	ug/kg	U	1
di-n-Butyl Phthalate	BQL	615	ug/kg	U	1
di-n-Octyl Phthalate	BQL	615	ug/kg	U	1
n-Nitrosodi-n-Propylamine	BQL	615	ug/kg	U	1
n-Nitrosodiphenylamine	BQL	615	ug/kg	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AA1017
GPL ID: 9130-017-03-1/1
Matrix: Soil
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: SW3550
Prep Date: Sep-27-2000
Prep Time: 00:00
Prep Chemist: Rekha Patel

Analytical Method: SW8270CTCL
Date Analyzed: Oct-11-2000
Time Analyzed 21:28
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	468	ug/kg	U	1
1,2-Dichlorobenzene	BQL	468	ug/kg	U	1
1,3-Dichlorobenzene	BQL	468	ug/kg	U	1
1,4-Dichlorobenzene	BQL	468	ug/kg	U	1
2,2-Oxybis(1-Chloro)Propane	BQL	468	ug/kg	U	1
2,4,5-Trichlorophenol	BQL	468	ug/kg	U	1
2,4,6-Trichlorophenol	BQL	468	ug/kg	U	1
2,4-Dichlorophenol	BQL	468	ug/kg	U	1
2,4-Dimethylphenol	BQL	468	ug/kg	U	1
2,4-Dinitrophenol	BQL	936	ug/kg	U	1
2,4-Dinitrotoluene	BQL	468	ug/kg	U	1
2,6-Dinitrotoluene	BQL	468	ug/kg	U	1
2-Chloronaphthalene	BQL	468	ug/kg	U	1
2-Chlorophenol	BQL	468	ug/kg	U	1
2-Methylnaphthalene	BQL	468	ug/kg	U	1
2-Nitroaniline	BQL	468	ug/kg	U	1
2-Nitrophenol	BQL	468	ug/kg	U	1
2-methylphenol	BQL	468	ug/kg	U	1
3,3-Dichlorobenzidine	BQL	936	ug/kg	U	1
3-Nitroaniline	BQL	468	ug/kg	U	1
4,6-dinitro-2-methyl phenol	BQL	936	ug/kg	U	1
4-Bromophenyl-phenylether	BQL	468	ug/kg	U	1
4-Chloroaniline	BQL	468	ug/kg	U	1
4-Chlorophenyl Phenyl Ether	BQL	468	ug/kg	U	1
4-Nitroaniline	BQL	468	ug/kg	U	1
4-Nitrophenol	BQL	936	ug/kg	U	1
4-chloro-3-methylphenol	BQL	468	ug/kg	U	1
4-methylphenol	BQL	468	ug/kg	U	1
Acenaphthene	BQL	468	ug/kg	U	1
Acenaphthylene	BQL	468	ug/kg	U	1
Anthracene	BQL	468	ug/kg	U	1
Benzo(a)anthracene	68.3	468	ug/kg	J	1
Benzo(a)pyrene	79.1	468	ug/kg	J	1
Benzo(b)fluoranthene	104	468	ug/kg	J	1
Benzo(g,h,i)perylene	BQL	468	ug/kg	U	1
Benzo(k)fluoranthene	BQL	468	ug/kg	U	1
Benzyl Butyl Phthalate	BQL	468	ug/kg	U	1
Carbazole	BQL	468	ug/kg	U	1
Chrysene	66.4	468	ug/kg	J	1

Summary of Analytical Results

Client ID AA1017
GPL ID: 9130-017-03-1/1
Matrix: Soil
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: SW3550
Prep Date: Sep-27-2000
Prep Time: 00:00
Prep Chemist: Rekha Patel

Analytical Method: SW8270CTCL
Date Analyzed: Oct-11-2000
Time Analyzed 21:28
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	468	ug/kg	U	1
Dibenzofuran	BQL	468	ug/kg	U	1
Diethyl Phthalate	BQL	468	ug/kg	U	1
Dimethyl Phthalate	BQL	468	ug/kg	U	1
Fluoranthene	175	468	ug/kg	J	1
Fluorene	BQL	468	ug/kg	U	1
Hexachlorobenzene	BQL	468	ug/kg	U	1
Hexachlorobutadiene	BQL	468	ug/kg	U	1
Hexachlorocyclopentadiene	BQL	468	ug/kg	U	1
Hexachloroethane	BQL	468	ug/kg	U	1
Indeno(1,2,3-c,d)Pyrene	BQL	468	ug/kg	U	1
Isophorone	BQL	468	ug/kg	U	1
Naphthalene	BQL	468	ug/kg	U	1
Nitrobenzene	BQL	468	ug/kg	U	1
Pentachlorophenol	BQL	936	ug/kg	U	1
Phenanthrene	101	468	ug/kg	J	1
Phenol	BQL	468	ug/kg	U	1
Pyrene	132	468	ug/kg	J	1
bis(2-chloroethoxy) methane	BQL	468	ug/kg	U	1
bis(2-chloroethyl) ether	BQL	468	ug/kg	U	1
bis(2-ethylhexyl) phthalate	BQL	468	ug/kg	U	1
di-n-Butyl Phthalate	BQL	468	ug/kg	U	1
di-n-Octyl Phthalate	BQL	468	ug/kg	U	1
n-Nitrosodi-n-Propylamine	BQL	468	ug/kg	U	1
n-Nitrosodiphenylamine	BQL	468	ug/kg	U	1

2C
WATER SEMIVOLATILE SURROGATE RECOVERY

Lab Name: GPL LABORATORIES Contract: IT_PLUMBROOK

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

	CLIENT SAMPLE NO.	S1 (2FP) #	S2 (PHL) #	S3 (NBZ) #	S4 (FBP) #	S5 (TBP) #	S6 (TPH) #	TOT OUT
01	SBLKA	50*	64	64	70	107	91	0
02	LCSA	21*	41	70	57	80	98	0
03	AA2006	53	58	57	62	102	87	0
04	AA2006 MS	46*	60	58	60	112	79	0
05	AA2006 MSD	47*	60	59	63	104	91	0
06	AA2002	44*	50	50	58	71	67	0
07	AA2003	50*	56	54	62	93	62	0
08	AA2004	46*	52	55	64	100	55	0
09	AA2005	46*	55	56	64	102	76	0
10	AA2007	41*	51	54	66	97	90	0
11	AA2009	44*	49	52	61	91	85	0
12	AA2010	43*	52	55	65	91	86	0
13	AA2011	49*	60	61	65	106	89	0

MM 10/10/10

				QC LIMITS
S1	(2FP)	=	2-Fluorophenol	(20-150)
S2	(PHL)	=	Phenol-d5	(30-150)
S3	(NBZ)	=	Nitrobenzene-d5	(20-137)
S4	(FBP)	=	2-Fluorobiphenyl	(23-110)
S5	(TBP)	=	2,4,6-Tribromophenol	(20-150)
S6	(TPH)	=	Terphenyl-d14	(20-138)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogate diluted out

2003

2D
SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBROOK

Lab Code: GPL Case No.: N/A SAS No.: N/A SDG No.: N/A

Level: (low/med) LOW

	Client SAMPLE NO.	S1 (2FP) #	S2 (PHL) #	S3 (NBZ) #	S4 (FBP) #	S5 (TBP) #	S6 (TPH) #	TOT OUT
01	SBLKB	78	80	89	84	95	91	0
02	LCSB	79	83	93	92	108	78	0

				QC LIMITS
S1	(2FP)	=	2-Fluorophenol	(52-150)
S2	(PHL)	=	Phenol-d5	(20-150)
S3	(NBZ)	=	Nitrobenzene-d5	(26-150)
S4	(FBP)	=	2-Fluorobiphenyl	(41-128)
S5	(TBP)	=	2,4,6 Tribromophenol	(20-150)
S6	(TPH)	=	Terphenyl-d14	(52-110)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogate diluted out

2004

2D
SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBROOK

Lab Code: GPL Case No.: N/A SAS No.: N/A SDG No.: N/A

Level: (low/med) LOW

	Client SAMPLE NO.	S1 (2FP) #	S2 (PHL) #	S3 (NBZ) #	S4 (FBP) #	S5 (TBP) #	S6 (TPH) #	TOT OUT
01	AA1002	58	64	62	71	105	75	0
02	AA1003	64	67	69	75	110	77	0
03	AA1004	64	71	67	78	107	86	0
04	AA1004MS	57	64	61	69	102	75	0
05	AA1004MSD	58	68	62	80	117	80	0
06	AA1007	62	63	67	68	106	83	0
07	AA1010	66	68	71	75	112	86	0
08	AA1011	56	61	62	70	97	80	0
09	AA1006	59	65	62	67	92	79	0
10	AA1009	55	60	57	63	107	68	0
11	AA1005	63	66	65	70	112	71	0
12	AA1013	60	67	62	70	116	74	0
13	AA1014	58	68	57	71	127	79	0
14	AA1015	46*	49	45	49	67	56	1
15	AA1016	50*	57	50	62	95	65	1
16	AA1017	59	65	59	69	112	69	0

				QC LIMITS
S1	(2FP)	=	2-Fluorophenol	(52-150)
S2	(PHL)	=	Phenol-d5	(20-150)
S3	(NBZ)	=	Nitrobenzene-d5	(26-150)
S4	(FBP)	=	2-Fluorobiphenyl	(41-128)
S5	(TBP)	=	2,4,6-Tribromophenol	(20-150)
S6	(TPH)	=	Terphenyl-d14	(52-110)

 # Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogate diluted out

2005

3C

WATER SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: GPL LABORATORIES Contract: IT_PLUMBROOK

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Matrix Spike - EPA Sample No.: AA2006

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
Phenol	100	0.0	64	64	20 - 150
2-Chlorophenol	100	0.0	59	59	23 - 134
1,4-Dichlorobenzene	100	0.0	31	31	20 - 125
N-Nitroso-di-n-propylamine	100	0.0	51	51	20 - 150
1,2,4-Trichlorobenzene	100	0.0	39	39	23 - 114
4-Chloro-3-methylphenol	100	0.0	72	72	26 - 147
Acenaphthene	100	0.0	43	43	20 - 116
2,4-Dinitrotoluene	100	0.0	65	65	24 - 149
4-Nitrophenol	100	0.0	75	75	20 - 150
Pentachlorophenol	100	0.0	58	58	20 - 150
Pyrene	100	0.0	41	41	20 - 135

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Phenol	100	68	68	6	42	20 - 150
2-Chlorophenol	100	63	63	7	40	23 - 134
1,4-Dichlorobenzene	100	41	41	28	28	20 - 125
N-Nitroso-di-n-propylamine	100	55	55	8	38	20 - 150
1,2,4-Trichlorobenzene	100	47	47	19	28	23 - 114
4-Chloro-3-methylphenol	100	76	76	5	42	26 - 147
Acenaphthene	100	50	50	15	31	20 - 116
2,4-Dinitrotoluene	100	70	70	7	38	24 - 149
4-Nitrophenol	100	72	72	4	50	20 - 150
Pentachlorophenol	100	65	65	11	50	20 - 150
Pyrene	100	57	57	33 *	31	20 - 135

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 1 out of 11 outside limits

Spike Recovery: 0 out of 22 outside limits

COMMENTS:

2006

3D

SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBROOK

Lab Code: GPL Case No.: N/A SAS No.: N/A SDG No.: N/A

Matrix Spike - EPA Sample No.: AA1004 Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC LIMITS REC.
Phenol	4300	0.0	3000	70 *	75 - 150
2-Chlorophenol	4300	0.0	2600	60	31 - 129
1,4-Dichlorobenzene	4300	0.0	2000	47	25 - 122
N-Nitroso-di-n-propylamine	4300	0.0	2800	65	20 - 150
1,2,4-Trichlorobenzene	4300	0.0	2400	56	51 - 120
4-Chloro-3-methylphenol	4300	0.0	3300	77	34 - 125
Acenaphthene	4300	0.0	2800	65	46 - 135
2,4-Dinitrotoluene	4300	0.0	3500	81	38 - 137
4-Nitrophenol	4300	0.0	3600	84	20 - 150
Pentachlorophenol	4300	0.0	2900	67	32 - 137
Pyrene	4300	0.0	2900	67	24 - 144

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Phenol	4300	3200	74 *	6	35	75 - 150
2-Chlorophenol	4300	2700	63	5	50	31 - 129
1,4-Dichlorobenzene	4300	2100	49	4	27	25 - 122
N-Nitroso-di-n-propylamine	4300	3000	70	7	38	20 - 150
1,2,4-Trichlorobenzene	4300	2600	60	7	23	51 - 120
4-Chloro-3-methylphenol	4300	3700	86	11	33	34 - 125
Acenaphthene	4300	3100	72	10	19	46 - 135
2,4-Dinitrotoluene	4300	3800	88	8	47	38 - 137
4-Nitrophenol	4300	4400	102	19	50	20 - 150
Pentachlorophenol	4300	3600	84	23	47	32 - 137
Pyrene	4300	3000	70	4	36	24 - 144

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 11 outside limits

Spike Recovery: 2 out of 22 outside limits

COMMENTS:

2007

3E
WATER LABORATORY CONTROL SPIKE RECOVERY REPORT

Lab Name: GPL LABORATORIES

Contract: IT_PLUMBROOK

Lab Code: GPLL

SDG No.: N/A

EPA Sample No.: LCSA

GPL ID: SBLK-6937MS

Date Extracted: 9/25/2000

Work Order No: 9130

MATRIX: WATER

COMPOUND	SPIKE ADDED (ug/L)	BLANK CONC. (ug/L)	LCS CONC. (ug/L)	LCS % REC	QC LIMITS LOW	HIGH
Phenol	100	0	44	44	30	100
2-Chlorophenol	100	0	43	43 *	67	105
1,4-Dichlorobenzene	100	0	53	53	43	101
N-Nitroso-di-n-propylamine	100	0	67	67	43	150
1,2,4-Trichlorobenzene	100	0	70	70	51	100
4-Chloro-3-methylphenol	100	0	60	60 *	61	125
Acenaphthene	100	0	70	70	35	125
2,4-Dinitrotoluene	100	0	82	82	66	123
4-Nitrophenol	100	0	0	0 *	20	150
Pentachlorophenol	100	0	19	19 *	43	150
Pyrene	100	0	79	79	56	116

Spike recovery: 4 of 11 out of QC limits.

* Values outside of QC limits

COMMENTS:

8270C

3F

SOIL LABORATORY CONTROL SPIKE RECOVERY

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBROOK

Lab Code: GPL SDG No.: N/A

EPA Sample No.: LCSB CLIENT ID: SBLK-6994MS

DATE EXTRACTED: 9/27/00 WORK ORDER NO: 00-09-130

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	INTERNAL QC LIMITS
Phenol	3300	3200	97	47-111
2-Chlorophenol	3300	2700	82	52-124
1,4-Dichlorobenzene	3300	2700	82	52-112
N-Nitroso-Di-n-Propylamine	3300	3000	91	70-150
1,2,4-Trichlorobenzene	3300	2600	79	63-112
4-Chloro-3-methylphenol	3300	3100	94	63-125
Acenaphthene	3300	2900	88	45-104
2,4-Dinitrotoluene	3300	3600	109	56-133
4-Nitrophenol	3300	3400	103	44-150
Pentachlorophenol	3300	2600	79	27-142
Pyrene	3300	2100	64	56-106

*Values outside internal limits

COMMENTS:

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLKA

Lab Name: GPL LABORATORIES Contract: IT_PLUMBRO

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Lab File ID: T02506.D Lab Sample ID: SBLK-6937

Instrument ID: HP#T Date Extracted: 09/25/00

Matrix: (soil/water) WATER Date Analyzed: 10/06/00

Level: (low/med) LOW Time Analyzed: 18:49

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	Client Sample NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	LCSA	SBLK-6937MS	T02507.D	10/06/00
02	AA2006	9130-024-07-1/2	T02515.D	10/07/00
03	AA2006 MS	9130-024-07-1/2MS	T02516.D	10/07/00
04	AA2006 MSD	9130-024-07-1/2MSD	T02517.D	10/07/00
05	AA2002	9130-020-07-1/2	T02524.D	10/07/00
06	AA2003	9130-021-07-1/2	T02525.D	10/07/00
07	AA2004	9130-022-07-1/2	T02526.D	10/07/00
08	AA2005	9130-023-07-1/2	T02527.D	10/07/00
09	AA2007	9130-025-07-1/2	T02528.D	10/07/00
10	AA2009	9130-026-07-1/2	T02529.D	10/07/00
11	AA2010	9130-027-07-1/2	T02530.D	10/07/00
12	AA2011	9130-028-07-1/2	T02531.D	10/07/00

COMMENTS:

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLKB

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBRO

Lab Code: GPL Case No.: N/A SAS No.: N/A SDG No.: N/A

Lab File ID: P09110.D Lab Sample ID: SBLK-6994

Instrument ID: HP#P Date Extracted: 09/27/00

Matrix: (soil/water) SOIL Date Analyzed: 10/09/00

Level: (low/med) LOW Time Analyzed: 14:40

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	Client SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	LCSB	SBLK-6904MS	P09111.D	10/09/00
02	AA1002	9130-002-03-1/1	P09165.D	10/11/00
03	AA1003	9130-003-03-1/1	P09166.D	10/11/00
04	AA1004	9130-004-03-1/1	P09167.D	10/11/00
05	AA1004MS	9130-004-03-1/1S	P09168.D	10/11/00
06	AA1004MSD	9130-004-03-1/1SD	P09169.D	10/11/00
07	AA1007	9130-009-03-1/1	P09170.D	10/11/00
08	AA1010	9130-011-03-1/1	P09171.D	10/11/00
09	AA1011	9130-012-03-1/1	P09172.D	10/11/00
10	AA1006	9130-008-03-1/1	P09173.D	10/11/00
11	AA1009	9130-010-03-1/1	P09174.D	10/11/00
12	AA1005	9130-007-03-1/1	P09175.D	10/11/00
13	AA1013	9130-013-03-1/1	P09176.D	10/11/00
14	AA1014	9130-014-03-1/1	P09177.D	10/11/00
15	AA1015	9130-015-03-1/1	P09178.D	10/11/00
16	AA1016	9130-016-03-1/1	P09179.D	10/11/00
17	AA1017	9130-017-03-1/1	P09180.D	10/11/00

COMMENTS:

2011

Summary of Analytical Results

Client ID AA1002
GPL ID: 9130-002-03-1/1
Matrix: Soil
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: EXT_SW8330
Prep Date: Sep-27-2000
Prep Time: 00:00
Prep Chemist: Rekha Patel

Analytical Method: SW8330
Date Analyzed: Oct-07-2000
Time Analyzed 14:39
Analyst: Dayuan Han

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	BQL	95.2	ug/kg	U	1
1,3-Dinitrobenzene	BQL	95.2	ug/kg	U	1
2,4,6-Trinitrotoluene	BQL	95.2	ug/kg	U	1
2,4-Dinitrotoluene	BQL	95.2	ug/kg	U	1
2,6-Dinitrotoluene	BQL	95.2	ug/kg	U	1
2-Amino-4,6-Dinitrotoluene	BQL	95.2	ug/kg	U	1
4-Amino-2,6-Dinitrotoluene	BQL	95.2	ug/kg	U	1
HMX	BQL	190	ug/kg	U	1
Nitrobenzene	BQL	95.2	ug/kg	U	1
RDX	BQL	190	ug/kg	U	1
Tetryl	BQL	190	ug/kg	U	1
m-Nitrotoluene	BQL	190	ug/kg	U	1
o-Nitrotoluene	BQL	190	ug/kg	U	1
p-Nitrotoluene	BQL	190	ug/kg	U	1

Summary of Analytical Results

Client ID AA1003
GPL ID: 9130-003-03-1/1
Matrix: Soil
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: EXT_SW8330
Prep Date: Sep-27-2000
Prep Time: 00:00
Prep Chemist: Rekha Patel

Analytical Method: SW8330
Date Analyzed: Oct-07-2000
Time Analyzed 15:08
Analyst: Dayuan Han

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	BQL	90.9	ug/kg	U	1
1,3-Dinitrobenzene	BQL	90.9	ug/kg	U	1
2,4,6-Trinitrotoluene	773	90.9	ug/kg		1
2,4-Dinitrotoluene	BQL	90.9	ug/kg	U	1
2,6-Dinitrotoluene	BQL	90.9	ug/kg	U	1
2-Amino-4,6-Dinitrotoluene	731	90.9	ug/kg		1
4-Amino-2,6-Dinitrotoluene	384	90.9	ug/kg		1
HMX	BQL	182	ug/kg	U	1
Nitrobenzene	BQL	90.9	ug/kg	U	1
RDX	BQL	182	ug/kg	U	1
Tetryl	BQL	182	ug/kg	U	1
m-Nitrotoluene	BQL	182	ug/kg	U	1
o-Nitrotoluene	BQL	182	ug/kg	U	1
p-Nitrotoluene	BQL	182	ug/kg	U	1

Summary of Analytical Results

Client ID AA1004
GPL ID: 9130-004-03-1/1
Matrix: Soil
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: EXT_SW8330
Prep Date: Sep-27-2000
Prep Time: 00:00
Prep Chemist: Rekha Patel

Analytical Method: SW8330
Date Analyzed: Oct-07-2000
Time Analyzed 15:36
Analyst: Dayuan Han

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	BQL	100	ug/kg	U	1
1,3-Dinitrobenzene	BQL	100	ug/kg	U	1
2,4,6-Trinitrotoluene	BQL	100	ug/kg	U	1
2,4-Dinitrotoluene	BQL	100	ug/kg	U	1
2,6-Dinitrotoluene	BQL	100	ug/kg	U	1
2-Amino-4,6-Dinitrotoluene	BQL	100	ug/kg	U	1
4-Amino-2,6-Dinitrotoluene	BQL	100	ug/kg	U	1
HMX	BQL	200	ug/kg	U	1
Nitrobenzene	BQL	100	ug/kg	U	1
RDX	BQL	200	ug/kg	U	1
Tetryl	BQL	200	ug/kg	U	1
m-Nitrotoluene	BQL	200	ug/kg	U	1
o-Nitrotoluene	BQL	200	ug/kg	U	1
p-Nitrotoluene	BQL	200	ug/kg	U	1

Summary of Analytical Results

Client ID AA1005
GPL ID: 9130-007-03-1/1
Matrix: Soil
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: EXT_SW8330
Prep Date: Sep-27-2000
Prep Time: 00:00
Prep Chemist: Rekha Patel

Analytical Method: SW8330
Date Analyzed: Oct-07-2000
Time Analyzed 18:56
Analyst: Dayuan Han

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	BQL	87	ug/kg	U	1
1,3-Dinitrobenzene	BQL	87	ug/kg	U	1
2,4,6-Trinitrotoluene	685	87	ug/kg		1
2,4-Dinitrotoluene	364	87	ug/kg		1
2,6-Dinitrotoluene	BQL	87	ug/kg	U	1
2-Amino-4,6-Dinitrotoluene	96.3	87	ug/kg		1
4-Amino-2,6-Dinitrotoluene	110	87	ug/kg		1
HMX	BQL	174	ug/kg	U	1
Nitrobenzene	BQL	87	ug/kg	U	1
RDX	BQL	174	ug/kg	U	1
Tetryl	BQL	174	ug/kg	U	1
m-Nitrotoluene	BQL	174	ug/kg	U	1
o-Nitrotoluene	BQL	174	ug/kg	U	1
p-Nitrotoluene	BQL	174	ug/kg	U	1

Summary of Analytical Results

Client ID AA1006
GPL ID: 9130-008-03-1/1
Matrix: Soil
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: EXT_SW8330
Prep Date: Sep-27-2000
Prep Time: 00:00
Prep Chemist: Rekha Patel

Analytical Method: SW8330
Date Analyzed: Oct-07-2000
Time Analyzed 19:24
Analyst: Dayuan Han

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	BQL	90.9	ug/kg	U	1
1,3-Dinitrobenzene	BQL	90.9	ug/kg	U	1
2,4,6-Trinitrotoluene	4600	90.9	ug/kg		1
2,4-Dinitrotoluene	576	90.9	ug/kg		1
2,6-Dinitrotoluene	BQL	90.9	ug/kg	U	1
2-Amino-4,6-Dinitrotoluene	2920	90.9	ug/kg		1
4-Amino-2,6-Dinitrotoluene	1190	90.9	ug/kg		1
HMX	BQL	182	ug/kg	U	1
Nitrobenzene	BQL	90.9	ug/kg	U	1
RDX	BQL	182	ug/kg	U	1
Tetryl	BQL	182	ug/kg	U	1
m-Nitrotoluene	BQL	182	ug/kg	U	1
o-Nitrotoluene	BQL	182	ug/kg	U	1
p-Nitrotoluene	BQL	182	ug/kg	U	1

Summary of Analytical Results

Client ID AA1007
GPL ID: 9130-009-03-1/1
Matrix: Soil
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: EXT_SW8330
Prep Date: Sep-27-2000
Prep Time: 00:00
Prep Chemist: Rekha Patel

Analytical Method: SW8330
Date Analyzed: Oct-07-2000
Time Analyzed 19:53
Analyst: Dayuan Han

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	BQL	100	ug/kg	U	1
1,3-Dinitrobenzene	BQL	100	ug/kg	U	1
2,4,6-Trinitrotoluene	140	100	ug/kg		1
2,4-Dinitrotoluene	555	100	ug/kg		1
2,6-Dinitrotoluene	BQL	100	ug/kg	U	1
2-Amino-4,6-Dinitrotoluene	BQL	100	ug/kg	U	1
4-Amino-2,6-Dinitrotoluene	70.7	100	ug/kg	J	1
HMX	BQL	200	ug/kg	U	1
Nitrobenzene	BQL	100	ug/kg	U	1
RDX	BQL	200	ug/kg	U	1
Tetryl	BQL	200	ug/kg	U	1
m-Nitrotoluene	BQL	200	ug/kg	U	1
o-Nitrotoluene	168	200	ug/kg	J	1
p-Nitrotoluene	BQL	200	ug/kg	U	1

Summary of Analytical Results

Client ID AA1009
GPL ID: 9130-010-03-1/1
Matrix: Soil
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: EXT_SW8330
Prep Date: Sep-27-2000
Prep Time: 00:00
Prep Chemist: Rekha Patel

Analytical Method: SW8330
Date Analyzed: Oct-07-2000
Time Analyzed 20:21
Analyst: Dayuan Han

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	BQL	95.2	ug/kg	U	1
1,3-Dinitrobenzene	BQL	95.2	ug/kg	U	1
2,4,6-Trinitrotoluene	1930	95.2	ug/kg		1
2,4-Dinitrotoluene	BQL	95.2	ug/kg	U	1
2,6-Dinitrotoluene	BQL	95.2	ug/kg	U	1
2-Amino-4,6-Dinitrotoluene	2650	95.2	ug/kg		1
4-Amino-2,6-Dinitrotoluene	714	95.2	ug/kg		1
HMX	BQL	190	ug/kg	U	1
Nitrobenzene	BQL	95.2	ug/kg	U	1
RDX	BQL	190	ug/kg	U	1
Tetryl	BQL	190	ug/kg	U	1
m-Nitrotoluene	BQL	190	ug/kg	U	1
o-Nitrotoluene	BQL	190	ug/kg	U	1
p-Nitrotoluene	BQL	190	ug/kg	U	1

Summary of Analytical Results

Client ID AA1010
GPL ID: 9130-011-03-1/1
Matrix: Soil
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: EXT_SW8330
Prep Date: Sep-27-2000
Prep Time: 00:00
Prep Chemist: Rekha Patel

Analytical Method: SW8330
Date Analyzed: Oct-07-2000
Time Analyzed 20:50
Analyst: Dayuan Han

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	BQL	90.9	ug/kg	U	1
1,3-Dinitrobenzene	BQL	90.9	ug/kg	U	1
2,4,6-Trinitrotoluene	63.5	90.9	ug/kg	J	1
2,4-Dinitrotoluene	45.5	90.9	ug/kg	J	1
2,6-Dinitrotoluene	BQL	90.9	ug/kg	U	1
2-Amino-4,6-Dinitrotoluene	BQL	90.9	ug/kg	U	1
4-Amino-2,6-Dinitrotoluene	BQL	90.9	ug/kg	U	1
HMX	BQL	182	ug/kg	U	1
Nitrobenzene	BQL	90.9	ug/kg	U	1
RDX	BQL	182	ug/kg	U	1
Tetryl	BQL	182	ug/kg	U	1
m-Nitrotoluene	BQL	182	ug/kg	U	1
o-Nitrotoluene	BQL	182	ug/kg	U	1
p-Nitrotoluene	BQL	182	ug/kg	U	1

Summary of Analytical Results

Client ID AA1011
GPL ID: 9130-012-03-1/1
Matrix: Soil
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: EXT_SW8330
Prep Date: Sep-27-2000
Prep Time: 00:00
Prep Chemist: Rekha Patel

Analytical Method: SW8330
Date Analyzed: Oct-07-2000
Time Analyzed 22:16
Analyst: Dayuan Han

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	BQL	100	ug/kg	U	1
1,3-Dinitrobenzene	BQL	100	ug/kg	U	1
2,4,6-Trinitrotoluene	BQL	100	ug/kg	U	1
2,4-Dinitrotoluene	BQL	100	ug/kg	U	1
2,6-Dinitrotoluene	BQL	100	ug/kg	U	1
2-Amino-4,6-Dinitrotoluene	BQL	100	ug/kg	U	1
4-Amino-2,6-Dinitrotoluene	BQL	100	ug/kg	U	1
HMX	BQL	200	ug/kg	U	1
Nitrobenzene	BQL	100	ug/kg	U	1
RDX	BQL	200	ug/kg	U	1
Tetryl	BQL	200	ug/kg	U	1
m-Nitrotoluene	BQL	200	ug/kg	U	1
o-Nitrotoluene	BQL	200	ug/kg	U	1
p-Nitrotoluene	BQL	200	ug/kg	U	1

Summary of Analytical Results

Client ID AA1013
GPL ID: 9130-013-03-1/1
Matrix: Soil
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: EXT_SW8330
Prep Date: Sep-27-2000
Prep Time: 00:00
Prep Chemist: Rekha Patel

Analytical Method: SW8330
Date Analyzed: Oct-07-2000
Time Analyzed 22:44
Analyst: Dayuan Han

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	BQL	100	ug/kg	U	1
1,3-Dinitrobenzene	BQL	100	ug/kg	U	1
2,4,6-Trinitrotoluene	BQL	100	ug/kg	U	1
2,4-Dinitrotoluene	BQL	100	ug/kg	U	1
2,6-Dinitrotoluene	BQL	100	ug/kg	U	1
2-Amino-4,6-Dinitrotoluene	BQL	100	ug/kg	U	1
4-Amino-2,6-Dinitrotoluene	BQL	100	ug/kg	U	1
HMX	BQL	200	ug/kg	U	1
Nitrobenzene	50.1	100	ug/kg	J	1
RDX	BQL	200	ug/kg	U	1
Tetryl	BQL	200	ug/kg	U	1
m-Nitrotoluene	BQL	200	ug/kg	U	1
o-Nitrotoluene	BQL	200	ug/kg	U	1
p-Nitrotoluene	BQL	200	ug/kg	U	1

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Summary of Analytical Results

Client ID AA1014
GPL ID: 9130-014-03-1/1
Matrix: Soil
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: EXT_SW8330
Prep Date: Sep-27-2000
Prep Time: 00:00
Prep Chemist: Rekha Patel

Analytical Method: SW8330
Date Analyzed: Oct-10-2000
Time Analyzed 23:00
Analyst: Dayuan Han

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	BQL	100	ug/kg	U	1
1,3-Dinitrobenzene	BQL	100	ug/kg	U	1
2,4,6-Trinitrotoluene	BQL	100	ug/kg	U	1
2,4-Dinitrotoluene	BQL	100	ug/kg	U	1
2,6-Dinitrotoluene	BQL	100	ug/kg	U	1
2-Amino-4,6-Dinitrotoluene	BQL	100	ug/kg	U	1
4-Amino-2,6-Dinitrotoluene	BQL	100	ug/kg	U	1
HMX	BQL	200	ug/kg	U	1
Nitrobenzene	76.5	100	ug/kg	J	1
RDX	BQL	200	ug/kg	U	1
Tetryl	BQL	200	ug/kg	U	1
m-Nitrotoluene	BQL	200	ug/kg	U	1
o-Nitrotoluene	BQL	200	ug/kg	U	1
p-Nitrotoluene	BQL	200	ug/kg	U	1

Summary of Analytical Results

Client ID AA1015
GPL ID: 9130-015-03-1/1
Matrix: Soil
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: EXT_SW8330
Prep Date: Sep-27-2000
Prep Time: 00:00
Prep Chemist: Rekha Patel

Analytical Method: SW8330
Date Analyzed: Oct-10-2000
Time Analyzed 23:28
Analyst: Dayuan Han

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	BQL	100	ug/kg	U	1
1,3-Dinitrobenzene	BQL	100	ug/kg	U	1
2,4,6-Trinitrotoluene	BQL	100	ug/kg	U	1
2,4-Dinitrotoluene	BQL	100	ug/kg	U	1
2,6-Dinitrotoluene	BQL	100	ug/kg	U	1
2-Amino-4,6-Dinitrotoluene	BQL	100	ug/kg	U	1
4-Amino-2,6-Dinitrotoluene	BQL	100	ug/kg	U	1
HMX	BQL	200	ug/kg	U	1
Nitrobenzene	270	100	ug/kg		1
RDX	BQL	200	ug/kg	U	1
Tetryl	BQL	200	ug/kg	U	1
m-Nitrotoluene	BQL	200	ug/kg	U	1
o-Nitrotoluene	BQL	200	ug/kg	U	1
p-Nitrotoluene	BQL	200	ug/kg	U	1

Summary of Analytical Results

Client ID AA1016
GPL ID: 9130-016-03-1/1
Matrix: Soil
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: EXT_SW8330
Prep Date: Sep-27-2000
Prep Time: 00:00
Prep Chemist: Rekha Patel

Analytical Method: SW8330
Date Analyzed: Oct-10-2000
Time Analyzed 23:56
Analyst: Dayuan Han

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	BQL	100	ug/kg	U	1
1,3-Dinitrobenzene	BQL	100	ug/kg	U	1
2,4,6-Trinitrotoluene	BQL	100	ug/kg	U	1
2,4-Dinitrotoluene	BQL	100	ug/kg	U	1
2,6-Dinitrotoluene	BQL	100	ug/kg	U	1
2-Amino-4,6-Dinitrotoluene	BQL	100	ug/kg	U	1
4-Amino-2,6-Dinitrotoluene	BQL	100	ug/kg	U	1
HMX	BQL	200	ug/kg	U	1
Nitrobenzene	63.1	100	ug/kg	J	1
RDX	BQL	200	ug/kg	U	1
Tetryl	BQL	200	ug/kg	U	1
m-Nitrotoluene	BQL	200	ug/kg	U	1
o-Nitrotoluene	BQL	200	ug/kg	U	1
p-Nitrotoluene	BQL	200	ug/kg	U	1

Summary of Analytical Results

Client ID AA1017
GPL ID: 9130-017-03-1/1
Matrix: Soil
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: EXT_SW8330
Prep Date: Sep-27-2000
Prep Time: 00:00
Prep Chemist: Rekha Patel

Analytical Method: SW8330
Date Analyzed: Oct-11-2000
Time Analyzed 00:25
Analyst: Dayuan Han

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	BQL	100	ug/kg	U	1
1,3-Dinitrobenzene	BQL	100	ug/kg	U	1
2,4,6-Trinitrotoluene	BQL	100	ug/kg	U	1
2,4-Dinitrotoluene	BQL	100	ug/kg	U	1
2,6-Dinitrotoluene	BQL	100	ug/kg	U	1
2-Amino-4,6-Dinitrotoluene	BQL	100	ug/kg	U	1
4-Amino-2,6-Dinitrotoluene	BQL	100	ug/kg	U	1
HMX	BQL	200	ug/kg	U	1
Nitrobenzene	55.0	100	ug/kg	J	1
RDX	BQL	200	ug/kg	U	1
Tetryl	BQL	200	ug/kg	U	1
m-Nitrotoluene	BQL	200	ug/kg	U	1
o-Nitrotoluene	BQL	200	ug/kg	U	1
p-Nitrotoluene	BQL	200	ug/kg	U	1

Summary of Analytical Results

Client ID AA2002
GPL ID: 9130-020-04-1/2
Matrix: Water
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: EXT_SW8330
Prep Date: Sep-25-2000
Prep Time: 16:39
Prep Chemist: Reynaldo Caraan

Analytical Method: SW8330
Date Analyzed: Oct-05-2000
Time Analyzed 03:12
Analyst: Dayuan Han

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	BQL	0.26	ug/L	U	1
1,3-Dinitrobenzene	BQL	0.26	ug/L	U	1
2,4,6-Trinitrotoluene	BQL	0.26	ug/L	U	1
2,4-Dinitrotoluene	BQL	0.26	ug/L	U	1
2,6-Dinitrotoluene	BQL	0.26	ug/L	U	1
2-Amino-4,6-Dinitrotoluene	1.96	0.26	ug/L		1
4-Amino-2,6-Dinitrotoluene	2.34	0.26	ug/L		1
HMX	BQL	0.52	ug/L	U	1
Nitrobenzene	BQL	0.26	ug/L	U	1
RDX	BQL	0.52	ug/L	U	1
Tetryl	BQL	0.52	ug/L	U	1
m-Nitrotoluene	BQL	0.52	ug/L	U	1
o-Nitrotoluene	BQL	0.52	ug/L	U	1
p-Nitrotoluene	BQL	0.52	ug/L	U	1

Summary of Analytical Results

Client ID AA2003
GPL ID: 9130-021-04-1/2
Matrix: Water
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: EXT_SW8330
Prep Date: Sep-25-2000
Prep Time: 16:39
Prep Chemist: Reynaldo Caraan

Analytical Method: SW8330
Date Analyzed: Oct-05-2000
Time Analyzed 03:41
Analyst: Dayuan Han

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	BQL	0.26	ug/L	U	1
1,3-Dinitrobenzene	BQL	0.26	ug/L	U	1
2,4,6-Trinitrotoluene	BQL	0.26	ug/L	U	1
2,4-Dinitrotoluene	BQL	0.26	ug/L	U	1
2,6-Dinitrotoluene	BQL	0.26	ug/L	U	1
2-Amino-4,6-Dinitrotoluene	BQL	0.26	ug/L	U	1
4-Amino-2,6-Dinitrotoluene	BQL	0.26	ug/L	U	1
HMX	BQL	0.52	ug/L	U	1
Nitrobenzene	BQL	0.26	ug/L	U	1
RDX	BQL	0.52	ug/L	U	1
Tetryl	BQL	0.52	ug/L	U	1
m-Nitrotoluene	BQL	0.52	ug/L	U	1
o-Nitrotoluene	BQL	0.52	ug/L	U	1
p-Nitrotoluene	BQL	0.52	ug/L	U	1

Summary of Analytical Results

Client ID AA2004
GPL ID: 9130-022-04-1/2
Matrix: Water
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: EXT_SW8330
Prep Date: Sep-25-2000
Prep Time: 16:39
Prep Chemist: Reynaldo Caraan

Analytical Method: SW8330
Date Analyzed: Oct-05-2000
Time Analyzed 05:06
Analyst: Dayuan Han

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	BQL	0.26	ug/L	U	1
1,3-Dinitrobenzene	BQL	0.26	ug/L	U	1
2,4,6-Trinitrotoluene	BQL	0.26	ug/L	U	1
2,4-Dinitrotoluene	BQL	0.26	ug/L	U	1
2,6-Dinitrotoluene	BQL	0.26	ug/L	U	1
2-Amino-4,6-Dinitrotoluene	BQL	0.26	ug/L	U	1
4-Amino-2,6-Dinitrotoluene	BQL	0.26	ug/L	U	1
HMX	BQL	0.52	ug/L	U	1
Nitrobenzene	BQL	0.26	ug/L	U	1
RDX	BQL	0.52	ug/L	U	1
Tetryl	BQL	0.52	ug/L	U	1
m-Nitrotoluene	BQL	0.52	ug/L	U	1
o-Nitrotoluene	BQL	0.52	ug/L	U	1
p-Nitrotoluene	BQL	0.52	ug/L	U	1

Summary of Analytical Results

Client ID AA2005
GPL ID: 9130-023-04-1/2
Matrix: Water
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: EXT_SW8330
Prep Date: Sep-25-2000
Prep Time: 16:39
Prep Chemist: Reynaldo Caraan

Analytical Method: SW8330
Date Analyzed: Oct-05-2000
Time Analyzed 05:35
Analyst: Dayuan Han

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	BQL	0.26	ug/L	U	1
1,3-Dinitrobenzene	BQL	0.26	ug/L	U	1
2,4,6-Trinitrotoluene	BQL	0.26	ug/L	U	1
2,4-Dinitrotoluene	BQL	0.26	ug/L	U	1
2,6-Dinitrotoluene	BQL	0.26	ug/L	U	1
2-Amino-4,6-Dinitrotoluene	BQL	0.26	ug/L	U	1
4-Amino-2,6-Dinitrotoluene	BQL	0.26	ug/L	U	1
HMX	BQL	0.52	ug/L	U	1
Nitrobenzene	BQL	0.26	ug/L	U	1
RDX	BQL	0.52	ug/L	U	1
Tetryl	BQL	0.52	ug/L	U	1
m-Nitrotoluene	BQL	0.52	ug/L	U	1
o-Nitrotoluene	BQL	0.52	ug/L	U	1
p-Nitrotoluene	BQL	0.52	ug/L	U	1

Summary of Analytical Results

Client ID AA2006
GPL ID: 9130-024-04-1/2
Matrix: Water
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: EXT_SW8330
Prep Date: Sep-25-2000
Prep Time: 16:39
Prep Chemist: Reynaldo Caraan

Analytical Method: SW8330
Date Analyzed: Oct-05-2000
Time Analyzed 06:03
Analyst: Dayuan Han

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	BQL	0.26	ug/L	U	1
1,3-Dinitrobenzene	BQL	0.26	ug/L	U	1
2,4,6-Trinitrotoluene	BQL	0.26	ug/L	U	1
2,4-Dinitrotoluene	BQL	0.26	ug/L	U	1
2,6-Dinitrotoluene	BQL	0.26	ug/L	U	1
2-Amino-4,6-Dinitrotoluene	BQL	0.26	ug/L	U	1
4-Amino-2,6-Dinitrotoluene	BQL	0.26	ug/L	U	1
HMX	BQL	0.52	ug/L	U	1
Nitrobenzene	BQL	0.26	ug/L	U	1
RDX	BQL	0.52	ug/L	U	1
Tetryl	BQL	0.52	ug/L	U	1
m-Nitrotoluene	BQL	0.52	ug/L	U	1
o-Nitrotoluene	BQL	0.52	ug/L	U	1
p-Nitrotoluene	BQL	0.52	ug/L	U	1

Summary of Analytical Results

Client ID AA2007
GPL ID: 9130-025-04-1/2
Matrix: Water
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: EXT_SW8330
Prep Date: Sep-25-2000
Prep Time: 16:39
Prep Chemist: Reynaldo Caraan

Analytical Method: SW8330
Date Analyzed: Oct-05-2000
Time Analyzed 07:29
Analyst: Dayuan Han

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	BQL	0.26	ug/L	U	1
1,3-Dinitrobenzene	BQL	0.26	ug/L	U	1
2,4,6-Trinitrotoluene	BQL	0.26	ug/L	U	1
2,4-Dinitrotoluene	BQL	0.26	ug/L	U	1
2,6-Dinitrotoluene	BQL	0.26	ug/L	U	1
2-Amino-4,6-Dinitrotoluene	BQL	0.26	ug/L	U	1
4-Amino-2,6-Dinitrotoluene	BQL	0.26	ug/L	U	1
HMX	BQL	0.52	ug/L	U	1
Nitrobenzene	BQL	0.26	ug/L	U	1
RDX	BQL	0.52	ug/L	U	1
Tetryl	BQL	0.52	ug/L	U	1
m-Nitrotoluene	BQL	0.52	ug/L	U	1
o-Nitrotoluene	BQL	0.52	ug/L	U	1
p-Nitrotoluene	BQL	0.52	ug/L	U	1

Summary of Analytical Results

Client ID AA2009
GPL ID: 9130-026-04-1/2
Matrix: Water
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: EXT_SW8330
Prep Date: Sep-25-2000
Prep Time: 16:39
Prep Chemist: Reynaldo Caraan

Analytical Method: SW8330
Date Analyzed: Oct-05-2000
Time Analyzed 07:58
Analyst: Dayuan Han

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	BQL	0.26	ug/L	U	1
1,3-Dinitrobenzene	BQL	0.26	ug/L	U	1
2,4,6-Trinitrotoluene	BQL	0.26	ug/L	U	1
2,4-Dinitrotoluene	BQL	0.26	ug/L	U	1
2,6-Dinitrotoluene	BQL	0.26	ug/L	U	1
2-Amino-4,6-Dinitrotoluene	BQL	0.26	ug/L	U	1
4-Amino-2,6-Dinitrotoluene	0.165	0.26	ug/L	J	1
HMX	BQL	0.52	ug/L	U	1
Nitrobenzene	BQL	0.26	ug/L	U	1
RDX	BQL	0.52	ug/L	U	1
Tetryl	BQL	0.52	ug/L	U	1
m-Nitrotoluene	BQL	0.52	ug/L	U	1
o-Nitrotoluene	BQL	0.52	ug/L	U	1
p-Nitrotoluene	BQL	0.52	ug/L	U	1

Summary of Analytical Results

Client ID AA2010
GPL ID: 9130-027-04-1/2
Matrix: Water
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: EXT_SW8330
Prep Date: Sep-25-2000
Prep Time: 16:39
Prep Chemist: Reynaldo Caraan

Analytical Method: SW8330
Date Analyzed: Oct-05-2000
Time Analyzed 08:55
Analyst: Dayuan Han

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	BQL	0.26	ug/L	U	1
1,3-Dinitrobenzene	BQL	0.26	ug/L	U	1
2,4,6-Trinitrotoluene	BQL	0.26	ug/L	U	1
2,4-Dinitrotoluene	BQL	0.26	ug/L	U	1
2,6-Dinitrotoluene	BQL	0.26	ug/L	U	1
2-Amino-4,6-Dinitrotoluene	BQL	0.26	ug/L	U	1
4-Amino-2,6-Dinitrotoluene	BQL	0.26	ug/L	U	1
HMX	BQL	0.52	ug/L	U	1
Nitrobenzene	BQL	0.26	ug/L	U	1
RDX	BQL	0.52	ug/L	U	1
Tetryl	BQL	0.52	ug/L	U	1
m-Nitrotoluene	BQL	0.52	ug/L	U	1
o-Nitrotoluene	BQL	0.52	ug/L	U	1
p-Nitrotoluene	BQL	0.52	ug/L	U	1

Summary of Analytical Results

Client ID AA2011
GPL ID: 9130-028-04-1/2
Matrix: Water
Date Collected: Sep-20-2000
Date Received: Sep-22-2000

Prep Method: EXT_SW8330
Prep Date: Sep-25-2000
Prep Time: 16:39
Prep Chemist: Reynaldo Caraan

Analytical Method: SW8330
Date Analyzed: Oct-05-2000
Time Analyzed 09:23
Analyst: Dayuan Han

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	BQL	0.26	ug/L	U	1
1,3-Dinitrobenzene	BQL	0.26	ug/L	U	1
2,4,6-Trinitrotoluene	BQL	0.26	ug/L	U	1
2,4-Dinitrotoluene	BQL	0.26	ug/L	U	1
2,6-Dinitrotoluene	BQL	0.26	ug/L	U	1
2-Amino-4,6-Dinitrotoluene	BQL	0.26	ug/L	U	1
4-Amino-2,6-Dinitrotoluene	BQL	0.26	ug/L	U	1
HMX	BQL	0.52	ug/L	U	1
Nitrobenzene	BQL	0.26	ug/L	U	1
RDX	BQL	0.52	ug/L	U	1
Tetryl	BQL	0.52	ug/L	U	1
m-Nitrotoluene	BQL	0.52	ug/L	U	1
o-Nitrotoluene	BQL	0.52	ug/L	U	1
p-Nitrotoluene	BQL	0.52	ug/L	U	1

2D
SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBROOK

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Level: (low/med) LOW

	Client SAMPLE NO.	S1 #	TOT OUT
01	NBLKA	90	0
02	NLCSA	90	0
03	AA1002	83	0
04	AA1003	82	0
05	AA1004	82	0
06	AA1004 MS	92	0
07	AA1004 MSD	93	0
08	AA1005	81	0
09	AA1006	87	0
10	AA1007	82	0
11	AA1009	86	0
12	AA1010	84	0
13	AA1011	82	0
14	AA1013	73	0
15	AA1014	66	0
16	AA1015	54	0
17	AA1016	72	0
18	AA1017	78	0

			QC LIMITS
S1	=	4-NITROANILINE	(24-140)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogate diluted out

2C
WATER EXPLOSIVES SURROGATE RECOVERY

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBROOK

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

	CLIENT SAMPLE NO.	S1 #	TOT OUT
01	NBLKB	93	0
02	NLCSB	91	0
03	AA2002	54	0
04	AA2003	65	0
05	AA2004	64	0
06	AA2005	59	0
07	AA2006	58	0
08	AA2006 MS	52	0
09	AA2006 MSD	48	0
10	AA2007	59	0
11	AA2009	57	0
12	AA2010	58	0
13	AA2011	58	0

			QC LIMITS
S1	=	4-NITROANILINE	(22-98)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogate diluted out

3D

SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBROOK

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Matrix Spike - EPA Sample No.: AA1004 Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC LIMITS REC.
HMX	3000	0.0	2700	90	70 - 113
1,3,5-TRINITROBENZENE	3000	0.0	1500	50	20 - 150
TETRYL	3000	0.0	1900	63	20 - 103
2,4,6-TRINITROTOLUENE	1500	0.0	1800	120	46 - 150
4-AMINO-2,6-DINITROTOLU	1500	0.0	1500	100	39 - 136
4-NITROTOLUENE	3000	0.0	3000	100	72 - 114
RDX	3000	0.0	2700	90	70 - 124
1,3-DINITROBENZENE	1500	0.0	1400	93	70 - 127
NITROBENZENE	1500	0.0	1400	93	70 - 120
2-AMINO-4,6-DINITROTOLU	1500	0.0	1900	127	43 - 150
2,4-DINITROTOLUENE	3000	0.0	2100	70	56 - 100
2-NITROTOLUENE	3000	0.0	2900	97	70 - 116
3-NITROTOLUENE	3000	0.0	2800	93	70 - 109

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
HMX	3000	2700	90	0	25	70 - 113
1,3,5-TRINITROBENZENE	3000	1500	50	0	25	20 - 150
TETRYL	3000	2100	70	11	25	20 - 103
2,4,6-TRINITROTOLUENE	1500	1800	120	0	25	46 - 150
4-AMINO-2,6-DINITROTOLU	1500	1500	100	0	25	39 - 136
4-NITROTOLUENE	3000	3000	100	0	25	72 - 114
RDX	3000	2700	90	0	25	70 - 124
1,3-DINITROBENZENE	1500	1500	100	7	25	70 - 127
NITROBENZENE	1500	1400	93	0	25	70 - 120
2-AMINO-4,6-DINITROTOLU	1500	1900	127	0	25	43 - 150
2,4-DINITROTOLUENE	3000	2200	73	4	25	56 - 100
2-NITROTOLUENE	3000	2900	97	0	25	70 - 116

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 13 outside limits

Spike Recovery: 0 out of 26 outside limits

COMMENTS:

3D

SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBROOK

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Matrix Spike - EPA Sample No.: AA1004 Level: (low/med) LOW

3-NITROTOLUENE	3000	2800	93	0	25	70- 109

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 0 outside limits

Spike Recovery: 0 out of 0 outside limits

COMMENTS:

3C

WATER EXPLOSIVES MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBROOK

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Matrix Spike - EPA Sample No.: AA2006

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
HMX	13	0.0	8.1	62	56 - 116
1,3,5-TRINITROBENZENE	6.7	0.0	4.4	66	26 - 150
TETRYL	13	0.0	6.4	49	20 - 143
2,4,6-TRINITROTOLUENE	6.7	0.0	6.0	90	38 - 157
4-AMINO-2,6-DINITROTOLU	6.7	0.0	4.5	67	60 - 128
RDX	13	0.0	8.8	68	41 - 121
1,3-DINITROBENZENE	6.7	0.0	4.6	69	50 - 115
NITROBENZENE	6.7	0.0	4.7	70	52 - 113
2-AMINO-4,6-DINITROTOLU	6.7	0.0	6.4	96	51 - 120
2,4-DINITROTOLUENE	13	0.0	6.0	46 *	48 - 97
4-NITROTOLUENE	13	0.0	9.2	71	41 - 128
2-NITROTOLUENE	13	0.0	8.9	68	45 - 125
3-NITROTOLUENE	13	0.0	9.1	70	50 - 117

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
HMX	13	7.6	58	7	25	56 - 116
1,3,5-TRINITROBENZENE	6.7	4.1	61	8	25	26 - 150
TETRYL	13	5.5	42	15	25	20 - 143
2,4,6-TRINITROTOLUENE	6.7	5.7	85	6	25	38 - 157
4-AMINO-2,6-DINITROTOLU	6.7	4.5	67	0	25	60 - 128
RDX	13	8.1	62	9	25	41 - 121
1,3-DINITROBENZENE	6.7	4.3	64	8	25	50 - 115
NITROBENZENE	6.7	4.4	66	6	25	52 - 113
2-AMINO-4,6-DINITROTOLU	6.7	6.2	93	3	25	51 - 120
2,4-DINITROTOLUENE	13	6.0	46 *	0	25	48 - 97
4-NITROTOLUENE	13	8.9	68	4	25	41 - 128
2-NITROTOLUENE	13	8.6	66	3	25	45 - 125

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 13 outside limits

Spike Recovery: 2 out of 26 outside limits

COMMENTS:

0 4007

3C

WATER EXPLOSIVES MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBROOK

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Matrix Spike - EPA Sample No.: AA2006

3-NITROTOLUENE	13	8.6	66	6	25	50 - 117

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 0 outside limits

Spike Recovery: 0 out of 0 outside limits

COMMENTS:

0 4008

3F

SOIL LABORATORY CONTROL SPIKE RECOVERY

Lab Name: GPL Laboratories Contract: IT_PLUMBROOK

Lab Code: GPLL Case No.: N/A SAS No. N/A SDG No. N/A

EPA Sample No.: NLCSA GP ID: NBLK-6992-MS

COMPOUND	SPIKE ADDED (ug/kg)	LCS CONCENTRATION (ug/kg)	LCS % REC	QC LIMITS
HMX	3000	2817	94	70-114
1,3,5-TNB	1500	1562	104	70-118
TETRYL	3000	2063	69	26-100
TNT	1500	1900	127	70-150
4-AMINO-2,6-DNT	1500	1420	95	60-112
4-NITROTOLUENE	3000	3066	102	70-119
RDX	3000	2918	97	70-118
1,3-DINITROBENZENE	1500	1515	101	70-118
NITROBENZENE	1500	1513	101	70-121
2-AMINO-4,6-DNT	1500	1829	122	69-146
2,4-DNT	3000	2286	76	64-100
2-NITROTOLUENE	3000	3084	103	70-122
3-NITROTOLUENE	3000	2943	98	70-111

* OUTSIDE QC LIMIT

COMMENTS: _____

FORM III 8330

3F

WATER LABORATORY CONTROL SPIKE RECOVERY

Lab Name: GPL Laboratories Contract: IT_PLUMBROOK

Lab Code: GPLL Case No.: N/A SAS No. N/A SDG No.: N/A

EPA Sample No.: NLCSB GP ID: NBLK-6958-MS

COMPOUND	SPIKE ADDED ug/l	LCS CONCENTRATION ug/l	LCS % REC	QC LIMITS
HMX	7.8	6.7	86	70-127
1,3,5-TNB	3.9	3.5	90	20-150
TETRYL	7.8	4.1	52	20-104
TNT	3.9	4.5	115	70-150
4-AMINO-2,6-DNT	3.9	3.7	95	63-121
4-NITROTOLUENE	7.8	7.4	95	57-139
RDX	7.8	7.1	91	70-124
1,3-DINITROBENZENE	3.9	3.8	97	65-141
NITROBENZENE	3.9	4.1	105	71-134
2-AMINO-4,6-DNT	3.9	5.3	135	43-150
2,4-DNT	7.8	4.8	61	53-101
2-NITROTOLUENE	7.8	7.5	97	63-132
3-NITROTOLUENE	7.8	7.3	93	68-133

* OUTSIDE QC LIMIT

COMMENTS:

FORM III 8330

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

NBLKA

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBRO

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Lab File ID: LCA2431.D Lab Sample ID: NBLK 6992

Instrument ID: LCA Date Extracted: 09/27/00

Matrix: (soil/water) SOIL Date Analyzed: 10/07/00

Level: (low/med) LOW Time Analyzed: 13:42

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	Client SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	NLCSA	NBLK 6992 MS	LCA2432.D	10/07/00
02	AA1002	9130-002	LCA2433.D	10/07/00
03	AA1003	9130-003	LCA2434.D	10/07/00
04	AA1004	9130-004	LCA2435.D	10/07/00
05	AA1004 MS	9130-004 MS	LCA2438.D	10/07/00
06	AA1004 MSD	9130-004 MSD	LCA2441.D	10/07/00
07	AA1005	9130-007	LCA2442.D	10/07/00
08	AA1006	9130-008	LCA2443.D	10/07/00
09	AA1007	9130-009	LCA2444.D	10/07/00
10	AA1009	9130-010	LCA2445.D	10/07/00
11	AA1010	9130-011	LCA2446.D	10/07/00
12	AA1011	9130-012	LCA2449.D	10/07/00
13	AA1013	9130-013	LCA2450.D	10/07/00
14	AA1014	9130-014	LCA2495.D	10/10/00
15	AA1015	9130-015	LCA2496.D	10/10/00
16	AA1016	9130-016	LCA2497.D	10/10/00
17	AA1017	9130-017	LCA2498.D	10/11/00

COMMENTS:

4B

EXPLOSIVES METHOD BLANK SUMMARY

EPA SAMPLE NO.

NBLKB

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBRO

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Lab File ID: LCA2310.D Lab Sample ID: NBLK 6958

Instrument ID: LCA Date Extracted: 09/25/00

Matrix: (soil/water) WATER Date Analyzed: 10/05/00

Level: (low/med) LOW Time Analyzed: 02:15

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	Client Sample NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	NLCSB	NBLK 6958 MS	LCA2311.D	10/05/00
02	AA2002	9130-020	LCA2312.D	10/05/00
03	AA2003	9130-021	LCA2313.D	10/05/00
04	AA2004	9130-022	LCA2316.D	10/05/00
05	AA2005	9130-023	LCA2317.D	10/05/00
06	AA2006	9130-024	LCA2318.D	10/05/00
07	AA2006 MS	9130-024 MS	LCA2319.D	10/05/00
08	AA2006 MSD	9130-024 MSD	LCA2320.D	10/05/00
09	AA2007	9130-025	LCA2321.D	10/05/00
10	AA2009	9130-026	LCA2322.D	10/05/00
11	AA2010	9130-027	LCA2324.D	10/05/00
12	AA2011	9130-028	LCA2325.D	10/05/00

COMMENTS:

GPL LABORATORIES, LLLP

Possible notes and definitions for this report:

BQL = Below Quantitation Limit

J = Value is less than the reporting limits but greater than the MDL

P = Indicates that there is greater than 25% difference for detected pesticide/Aroclor results between the two GC columns

B = Indicates that the compound was found in the associated blank

E = Indicates that the concentration exceeded the calibration range of the instrument

U = Indicates that the compound was analyzed for but not detected, number indicates the reporting limit

D = Indicates that the compound was found in an analysis at a secondary dilution factor

***** = Value obtained from a 1:5 dilution

+ = Value obtained from a 1:10 dilution

= Value obtained from a 1:20 dilution

= = Value obtained from a 1:25 dilution

^ = Value obtained from a 1:50 dilution

~ = Value obtained from a 1:100 dilution

! = Value obtained from a 1:250 dilution

@ = Value obtained from a 1:125 dilution (medium level)

$ = Value obtained from a 1:500 dilution

& = Value obtained from a 1:1000 dilution

N = Flashpoint not observed; heated to specified limit

R = Flammable at room temperature

TNTC = Too numerous to count

B.P. = Detection limit taken from boiling point

F.F. = Sample gave off flammable fumes

IT CORPORATION
A Member of The IT Group

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 09212000-GPL

Project Number: 773206
Samples Shipment Date: 21 SEP 2000
Bill To: Accounts Receivable, 312 Directors Drive, Knoxville TN 37923

Project Name: PLUMBROOK ORDNANCE WOR
ab Destination: GPL Labotatories

Sample Coordinator: Duane Nielsen
Lab Contact: Bill Lock
Report To: Kim Napier, 312 Directors Drive, Knoxville TN 37923

Turnaround Time:
Project Contact: Kim Napier
Carrier/Waybill No.: Fed Ex/8212 2620 3364

Special Instructions: NORMAL TAT

Possible Hazard Indentification:
Non-hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown X

Sample Disposal:
Return to Client ☐ Disposal by Lab X Archive ☐ (mos.)

1. Relinquished By (Signature/Affiliation) Chris Fuhr — Date: 9/21/00 Time: 12:00
2. Relinquished By (Signature/Affiliation) — Date: Time:
3. Relinquished By (Signature/Affiliation) — Date: Time:

1. Received By (Signature/Affiliation) — Date: Time:
2. Received By (Signature/Affiliation) — Date: Time:
3. Received By (Signature/Affiliation) Scott Gain — Date: 9/22/00 Time: 10:25 Am

Comments:

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
09202000-TB	FIELDQC-BW-09202000-TB-TB	20 SEP 2000	07:00	40 ml GVIAL,SEP	2	HCl<pH 2	TCL Volatiles by SW-846 8260B	N		
AA1002	PBOW-00-SD-TNTA-SD02-AA1002-(00-00)	20 SEP 2000	08:10	8 oz CWM	2	None except cool to 4 C	TCL Volatiles by SW-846 8260B	N		
AA1002	PBOW-00-SD-TNTA-SD02-AA1002-(00-00)	20 SEP 2000	08:10	8 oz CWM	1	None except cool to 4 C	PCBs by SW-846 8082, TCL Semivolatiles by SW-846 8270C	N		
AA1002	PBOW-00-SD-TNTA-SD02-AA1002-(00-00)	20 SEP 2000	08:10	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by SW-846 8330, TAL Metals by SW-846 6010B/7471A in soil	N		
AA1003	PBOW-00-SD-TNTA-SD03-AA1003-(00-00)	20 SEP 2000	17:45	8 oz CWM	2	None except cool to 4 C	TCL Volatiles by SW-846 8260B	N		
AA1003	PBOW-00-SD-TNTA-SD03-AA1003-(00-00)	20 SEP 2000	17:45	8 oz CWM	1	None except cool to 4 C	PCBs by SW-846 8082, TCL Semivolatiles by SW-846 8270C	N		

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IT CORPORATION
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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 09212000-GPL

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
AA1003	PBOW-00-SD-TNTA-SD03-AA1003-(00-00)	20 SEP 2000	17:45	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by SW-846 8330, TAL Metals by SW-846 6010B/7471A in soil	N		
AA1004	PBOW-00-SD-TNTA-SD04-AA1004-(00-00)	20 SEP 2000	12:00	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by SW-846 8330, TAL Metals by SW-846 6010B/7471A in soil	N		
AA1004	PBOW-00-SD-TNTA-SD04-AA1004-(00-00)	20 SEP 2000	12:00	8 oz CWM	1	None except cool to 4 C	PCBs by SW-846 8082, TCL Semivolatiles by SW-846 8270C	N		
AA1004	PBOW-00-SD-TNTA-SD04-AA1004-(00-00)	20 SEP 2000	12:00	8 oz CWM	2	None except cool to 4 C	TCL Volatiles by SW-846 8260B	N		
AA1004-MS	PBOW-00-SD-TNTA-SD04-AA1004-MS-(00-00)	20 SEP 2000	12:00	8 oz CWM	2	None except cool to 4 C	TCL Volatiles by SW-846 8260B	N		
AA1004-MS	PBOW-00-SD-TNTA-SD04-AA1004-MS-(00-00)	20 SEP 2000	12:00	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by SW-846 8330, TAL Metals by SW-846 6010B/7471A in soil	N		
AA1004-MS	PBOW-00-SD-TNTA-SD04-AA1004-MS-(00-00)	20 SEP 2000	12:00	8 oz CWM	1	None except cool to 4 C	PCBs by SW-846 8082, TCL Semivolatiles by SW-846 8270C	N		
AA1004-MSD	PBOW-00-SD-TNTA-SD04-AA1004-MSD-(00-00)	20 SEP 2000	12:00	8 oz CWM	2	None except cool to 4 C	TCL Volatiles by SW-846 8260B	N		
AA1004-MSD	PBOW-00-SD-TNTA-SD04-AA1004-MSD-(00-00)	20 SEP 2000	12:00	8 oz CWM	1	None except cool to 4 C	PCBs by SW-846 8082, TCL Semivolatiles by SW-846 8270C	N		
AA1004-MSD	PBOW-00-SD-TNTA-SD04-AA1004-MSD-(00-00)	20 SEP 2000	12:00	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by SW-846 8330, TAL Metals by SW-846 6010B/7471A in soil	N		
AA1005	PBOW-00-SD-TNTA-SD05-AA1005-(00-00)	20 SEP 2000	18:10	8 oz CWM	1	None except cool to 4 C	PCBs by SW-846 8082, TCL Semivolatiles by SW-846 8270C	N		
AA1005	PBOW-00-SD-TNTA-SD05-AA1005-(00-00)	20 SEP 2000	18:10	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by SW-846 8330, TAL Metals by SW-846 6010B/7471A in soil	N		
AA1005	PBOW-00-SD-TNTA-SD05-AA1005-(00-00)	20 SEP 2000	18:10	8 oz CWM	2	None except cool to 4 C	TCL Volatiles by SW-846 8260B	N		
AA1006	PBOW-00-SD-TNTA-SD06-AA1006-(00-00)	20 SEP 2000	10:40	8 oz CWM	2	None except cool to 4 C	TCL Volatiles by SW-846 8260B	N		
AA1006	PBOW-00-SD-TNTA-SD06-AA1006-(00-00)	20 SEP 2000	10:40	8 oz CWM	1	None except cool to 4 C	PCBs by SW-846 8082, TCL Semivolatiles by SW-846 8270C	N		
AA1006	PBOW-00-SD-TNTA-SD06-AA1006-(00-00)	20 SEP 2000	10:40	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by SW-846 8330, TAL Metals by SW-846 6010B/7471A in soil	N		
AA1007	PBOW-00-SD-TNTA-SD07-AA1007-(00-00)	20 SEP 2000	10:10	8 oz CWM	2	None except cool to 4 C	TCL Volatiles by SW-846 8260B	N		
AA1007	PBOW-00-SD-TNTA-SD07-AA1007-(00-00)	20 SEP 2000	10:10	8 oz CWM	1	None except cool to 4 C	PCBs by SW-846 8082, TCL Semivolatiles by SW-846 8270C	N		
AA1007	PBOW-00-SD-TNTA-SD07-AA1007-(00-00)	20 SEP 2000	10:10	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by SW-846 8330, TAL Metals by SW-846 6010B/7471A in soil	N		
AA1009	PBOW-00-SD-TNTA-SD09-AA1009-(00-00)	20 SEP 2000	08:40	8 oz CWM	1	None except cool to 4 C	PCBs by SW-846 8082, TCL Semivolatiles by SW-846 8270C	N		
AA1009	PBOW-00-SD-TNTA-SD09-AA1009-(00-00)	20 SEP 2000	08:40	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by SW-846 8330, TAL Metals by SW-846 6010B/7471A in soil	N		
AA1009	PBOW-00-SD-TNTA-SD09-AA1009-(00-00)	20 SEP 2000	08:40	8 oz CWM	2	None except cool to 4 C	TCL Volatiles by SW-846 8260B	N		
AA1010	PBOW-00-SD-TNTA-SD10-AA1010-(00-00)	20 SEP 2000	09:20	8 oz CWM	2	None except cool to 4 C	TCL Volatiles by SW-846 8260B	N		
AA1010	PBOW-00-SD-TNTA-SD10-AA1010-(00-00)	20 SEP 2000	09:20	8 oz CWM	1	None except cool to 4 C	PCBs by SW-846 8082, TCL Semivolatiles by SW-846 8270C	N		
AA1010	PBOW-00-SD-TNTA-SD10-AA1010-(00-00)	20 SEP 2000	09:20	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by SW-846 8330, TAL	N		

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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 09212000-GPL

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
							Metals by SW-846 6010B/7471A in soil			
AA1011	PBOW-00-SD-TNTA-SD04-AA1011-(00-00)	20 SEP 2000	12:00	8 oz CWM	2	None except cool to 4 C	TCL Volatiles by SW-846 8260B	N		
AA1011	PBOW-00-SD-TNTA-SD04-AA1011-(00-00)	20 SEP 2000	12:00	8 oz CWM	1	None except cool to 4 C	PCBs by SW-846 8082, TCL Semivolatiles by SW-846 8270C	N		
AA1011	PBOW-00-SD-TNTA-SD04-AA1011-(00-00)	20 SEP 2000	12:00	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by SW-846 8330, TAL Metals by SW-846 6010B/7471A in soil	N		
AA1013	PBOW-00-TNTA-SD11-AA1013-0000	20 SEP 2000	16:00	8 oz CWM	1	None except cool to 4 C	PCBs by SW-846 8082, TCL Semivolatiles by SW-846 8270C	N		
AA1013	PBOW-00-TNTA-SD11-AA1013-0000	20 SEP 2000	16:00	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by SW-846 8330, TAL Metals by SW-846 6010B/7471A in soil	N		
AA1013	PBOW-00-TNTA-SD11-AA1013-0000	20 SEP 2000	16:00	8 oz CWM	2	None except cool to 4 C	TCL Volatiles by SW-846 8260B	N		
AA1014	PBOW-00-TNTA-SD12-AA1014-0000	20 SEP 2000	15:35	8 oz CWM	2	None except cool to 4 C	TCL Volatiles by SW-846 8260B	N		
AA1014	PBOW-00-TNTA-SD12-AA1014-0000	20 SEP 2000	15:35	8 oz CWM	1	None except cool to 4 C	PCBs by SW-846 8082, TCL Semivolatiles by SW-846 8270C	N		
AA1014	PBOW-00-TNTA-SD12-AA1014-0000	20 SEP 2000	15:35	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by SW-846 8330, TAL Metals by SW-846 6010B/7471A in soil	N		
AA1015	PBOW-00-TNTA-SD13-AA1015-0000	20 SEP 2000	14:55	8 oz CWM	2	None except cool to 4 C	TCL Volatiles by SW-846 8260B	N		
AA1015	PBOW-00-TNTA-SD13-AA1015-0000	20 SEP 2000	14:55	8 oz CWM	1	None except cool to 4 C	PCBs by SW-846 8082, TCL Semivolatiles by SW-846 8270C	N		
AA1015	PBOW-00-TNTA-SD13-AA1015-0000	20 SEP 2000	14:55	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by SW-846 8330, TAL Metals by SW-846 6010B/7471A in soil	N		
AA1016	PBOW-00-TNTA-SD14-AA1016-0000	20 SEP 2000	16:45	8 oz CWM	1	None except cool to 4 C	PCBs by SW-846 8082, TCL Semivolatiles by SW-846 8270C	N		
AA1016	PBOW-00-TNTA-SD14-AA1016-0000	20 SEP 2000	16:45	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by SW-846 8330, TAL Metals by SW-846 6010B/7471A in soil	N		
AA1016	PBOW-00-TNTA-SD14-AA1016-0000	20 SEP 2000	16:45	8 oz CWM	2	None except cool to 4 C	TCL Volatiles by SW-846 8260B	N		
AA1017	PBOW-00-TNTA-SD15-AA1017-0000	20 SEP 2000	16:30	8 oz CWM	2	None except cool to 4 C	TCL Volatiles by SW-846 8260B	N		
AA1017	PBOW-00-TNTA-SD15-AA1017-0000	20 SEP 2000	16:30	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by SW-846 8330, TAL Metals by SW-846 6010B/7471A in soil	N		
AA1017	PBOW-00-TNTA-SD15-AA1017-0000	20 SEP 2000	16:30	8 oz CWM	1	None except cool to 4 C	PCBs by SW-846 8082, TCL Semivolatiles by SW-846 8270C	N		
AA2006 AA2001-MS	PBOW-00-SW-TNTA-SW01-AA2001-MS-(00-00)	20 SEP 2000	10:25	1 L Amb. Glass	2	None except cool to 4 C	PCBs by SW-846 8082	N		
AA2001-MS	PBOW-00-SW-TNTA-SW01-AA2001-MS-(00-00)	20 SEP 2000	10:25	40 mL GVIAL,SEP	3	HCl<pH 2	TCL Volatiles by SW-846 8260B	N		
AA2001-MS	PBOW-00-SW-TNTA-SW01-AA2001-MS-(00-00)	20 SEP 2000	10:25	1 L Amb. Glass	2	None except cool to 4 C	TCL Semivolatiles by SW-846 8270C	N		
AA2001-MS	PBOW-00-SW-TNTA-SW01-AA2001-MS-(00-00)	20 SEP 2000	10:25	1 L HDPE	1	HNO3, pH<2	TAL Metals by SW-846 6010B/7470A in water	N		
AA2001-MS	PBOW-00-SW-TNTA-SW01-AA2001-MS-(00-00)	20 SEP 2000	10:25	1 L Amb. Glass	2	None except cool to 4 C	Nitroaromatics by SW-846 8330	N		
AA2001-MSD	PBOW-00-SW-TNTA-SW01-AA2001-MSD-(00-00)	20 SEP 2000	10:25	40 mL GVIAL,SEP	3	HCl<pH 2	TCL Volatiles by SW-846 8260B	N		
AA2001-MSD	PBOW-00-SW-TNTA-SW01-AA2001-MSD-(00-00)	20 SEP 2000	10:25	1 L Amb. Glass	2	None except cool to 4 C	TCL Semivolatiles by SW-846 8270C	N		
AA2001-MSD	PBOW-00-SW-TNTA-SW01-AA2001-MSD-(00-00)	20 SEP 2000	10:25	1 L Amb. Glass	2	None except cool to 4 C	PCBs by SW-846 8082	N		

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IT CORPORATION
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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 09212000-GPL

AA2006

Sample No	Sample Name	Sample Date	Sample Time	Container	Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
AA2001-MSD	PBOW-00-SW-TNTA-SW01-AA2001-MSD-(00-00)	20 SEP 2000	10:25	1 L HDPE	1 HNO3, pH<2	TAL Metals by SW-846 6010B/7470A in water	N		
AA2001-MSD	PBOW-00-SW-TNTA-SW01-AA2001-MSD-(00-00)	20 SEP 2000	10:25	1 L Amb. Glass	2 None except cool to 4 C	Nitroaromatics by SW-846 8330	N		
AA2002	PBOW-00-SW-TNTA-SW02-AA2002-(00-00)	20 SEP 2000	08:00	1 L Amb. Glass	2 None except cool to 4 C	PCBs by SW-846 8082	N		
AA2002	PBOW-00-SW-TNTA-SW02-AA2002-(00-00)	20 SEP 2000	08:00	1 L Amb. Glass	2 None except cool to 4 C	Nitroaromatics by SW-846 8330	N		
AA2002	PBOW-00-SW-TNTA-SW02-AA2002-(00-00)	20 SEP 2000	08:00	1 L HDPE	1 HNO3, pH<2	TAL Metals by SW-846 6010B/7470A in water	N		
AA2002	PBOW-00-SW-TNTA-SW02-AA2002-(00-00)	20 SEP 2000	08:00	1 L Amb. Glass	2 None except cool to 4 C	TCL Semivolatiles by SW-846 8270C	N		
AA2002	PBOW-00-SW-TNTA-SW02-AA2002-(00-00)	20 SEP 2000	08:00	40 mL GVIAL,SEP	3 HCl<pH 2	TCL Volatiles by SW-846 8260B	N		
AA2003	PBOW-00-SW-TNTA-SW03-AA2003-(00-00)	20 SEP 2000	17:40	40 mL GVIAL,SEP	3 HCl<pH 2	TCL Volatiles by SW-846 8260B	N		
AA2003	PBOW-00-SW-TNTA-SW03-AA2003-(00-00)	20 SEP 2000	17:40	1 L Amb. Glass	2 None except cool to 4 C	Nitroaromatics by SW-846 8330	N		
AA2003	PBOW-00-SW-TNTA-SW03-AA2003-(00-00)	20 SEP 2000	17:40	1 L Amb. Glass	2 None except cool to 4 C	TCL Semivolatiles by SW-846 8270C	N		
AA2003	PBOW-00-SW-TNTA-SW03-AA2003-(00-00)	20 SEP 2000	17:40	1 L HDPE	1 HNO3, pH<2	TAL Metals by SW-846 6010B/7470A in water	N		
AA2003	PBOW-00-SW-TNTA-SW03-AA2003-(00-00)	20 SEP 2000	17:40	1 L Amb. Glass	2 None except cool to 4 C	PCBs by SW-846 8082	N		
AA2004	PBOW-00-SW-TNTA-SW04-AA2004-(00-00)	20 SEP 2000	11:30	1 L Amb. Glass	2 None except cool to 4 C	PCBs by SW-846 8082	N		
AA2004	PBOW-00-SW-TNTA-SW04-AA2004-(00-00)	20 SEP 2000	11:30	1 L HDPE	1 HNO3, pH<2	TAL Metals by SW-846 6010B/7470A in water	N		
AA2004	PBOW-00-SW-TNTA-SW04-AA2004-(00-00)	20 SEP 2000	11:30	40 mL GVIAL,SEP	3 HCl<pH 2	TCL Volatiles by SW-846 8260B	N		
AA2004	PBOW-00-SW-TNTA-SW04-AA2004-(00-00)	20 SEP 2000	11:30	1 L Amb. Glass	2 None except cool to 4 C	TCL Semivolatiles by SW-846 8270C	N		
AA2004	PBOW-00-SW-TNTA-SW04-AA2004-(00-00)	20 SEP 2000	11:30	1 L Amb. Glass	2 None except cool to 4 C	Nitroaromatics by SW-846 8330	N		
AA2005	PBOW-00-SW-TNTA-SW05-AA2005-(00-00)	20 SEP 2000	18:00	40 mL GVIAL,SEP	3 HCl<pH 2	TCL Volatiles by SW-846 8260B	N		
AA2005	PBOW-00-SW-TNTA-SW05-AA2005-(00-00)	20 SEP 2000	18:00	1 L Amb. Glass	2 None except cool to 4 C	TCL Semivolatiles by SW-846 8270C	N		
AA2005	PBOW-00-SW-TNTA-SW05-AA2005-(00-00)	20 SEP 2000	18:00	1 L Amb. Glass	2 None except cool to 4 C	Nitroaromatics by SW-846 8330	N		
AA2005	PBOW-00-SW-TNTA-SW05-AA2005-(00-00)	20 SEP 2000	18:00	1 L Amb. Glass	2 None except cool to 4 C	PCBs by SW-846 8082	N		
AA2005	PBOW-00-SW-TNTA-SW05-AA2005-(00-00)	20 SEP 2000	18:00	1 L HDPE	1 HNO3, pH<2	TAL Metals by SW-846 6010B/7470A in water	N		
AA2006	PBOW-00-SW-TNTA-SW06-AA2006-(00-00)	20 SEP 2000	10:25	1 L Amb. Glass	2 None except cool to 4 C	PCBs by SW-846 8082	N		
AA2006	PBOW-00-SW-TNTA-SW06-AA2006-(00-00)	20 SEP 2000	10:25	40 mL GVIAL,SEP	3 HCl<pH 2	TCL Volatiles by SW-846 8260B	N		
AA2006	PBOW-00-SW-TNTA-SW06-AA2006-(00-00)	20 SEP 2000	10:25	1 L Amb. Glass	2 None except cool to 4 C	Nitroaromatics by SW-846 8330	N		
AA2006	PBOW-00-SW-TNTA-SW06-AA2006-(00-00)	20 SEP 2000	10:25	1 L HDPE	1 HNO3, pH<2	TAL Metals by SW-846 6010B/7470A in water	N		
AA2006	PBOW-00-SW-TNTA-SW06-AA2006-(00-00)	20 SEP 2000	10:25	1 L Amb. Glass	2 None except cool to 4 C	TCL Semivolatiles by SW-846 8270C	N		
AA2007	PBOW-00-SW-TNTA-SW07-AA2007-(00-00)	20 SEP 2000	10:00	40 mL GVIAL,SEP	3 HCl<pH 2	TCL Volatiles by SW-846 8260B	N		
AA2007	PBOW-00-SW-TNTA-SW07-AA2007-(00-00)	20 SEP 2000	10:00	1 L Amb. Glass	2 None except cool to 4 C	TCL Semivolatiles by SW-846 8270C	N		
AA2007	PBOW-00-SW-TNTA-SW07-AA2007-(00-00)	20 SEP 2000	10:00	1 L Amb. Glass	2 None except cool to 4 C	Nitroaromatics by SW-846 8330	N		
AA2007	PBOW-00-SW-TNTA-SW07-AA2007-(00-00)	20 SEP 2000	10:00	1 L HDPE	1 HNO3, pH<2	TAL Metals by SW-846 6010B/7470A in	N		

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IT CORPORATION
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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 09212000-GPL

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
							water			
AA2007	PBOW-00-SW-TNTA-SW07-AA2007-(00-00)	20 SEP 2000	10:00	1 L Amb. Glass	2	None except cool to 4 C	PCBs by SW-846 8082	N		
AA2009	PBOW-00-SW-TNTA-SW09-AA2009-(00-00)	20 SEP 2000	08:30	40 mL GVIAL,SEP	3	HCl<pH 2	TCL Volatiles by SW-846 8260B	N		
AA2009	PBOW-00-SW-TNTA-SW09-AA2009-(00-00)	20 SEP 2000	08:30	1 L Amb. Glass	2	None except cool to 4 C	TCL Semivolatiles by SW-846 8270C	N		
AA2009	PBOW-00-SW-TNTA-SW09-AA2009-(00-00)	20 SEP 2000	08:30	1 L Amb. Glass	2	None except cool to 4 C	Nitroaromatics by SW-846 8330	N		
AA2009	PBOW-00-SW-TNTA-SW09-AA2009-(00-00)	20 SEP 2000	08:30	1 L Amb. Glass	2	None except cool to 4 C	PCBs by SW-846 8082	N		
AA2009	PBOW-00-SW-TNTA-SW09-AA2009-(00-00)	20 SEP 2000	08:30	1 L HDPE	1	HNO3, pH<2	TAL Metals by SW-846 6010B/7470A in water	N		
AA2010	PBOW-00-SW-TNTA-SW10-AA2010-(00-00)	20 SEP 2000	09:10	40 mL GVIAL,SEP	3	HCl<pH 2	TCL Volatiles by SW-846 8260B	N		
AA2010	PBOW-00-SW-TNTA-SW10-AA2010-(00-00)	20 SEP 2000	09:10	1 L HDPE	1	HNO3, pH<2	TAL Metals by SW-846 6010B/7470A in water	N		
AA2010	PBOW-00-SW-TNTA-SW10-AA2010-(00-00)	20 SEP 2000	09:10	1 L Amb. Glass	2	None except cool to 4 C	PCBs by SW-846 8082	N		
AA2010	PBOW-00-SW-TNTA-SW10-AA2010-(00-00)	20 SEP 2000	09:10	1 L Amb. Glass	2	None except cool to 4 C	Nitroaromatics by SW-846 8330	N		
AA2010	PBOW-00-SW-TNTA-SW10-AA2010-(00-00)	20 SEP 2000	09:10	1 L Amb. Glass	2	None except cool to 4 C	TCL Semivolatiles by SW-846 8270C	N		
AA2011	PBOW-00-SW-TNTA-SW01-AA2011-(00-00)	20 SEP 2000	10:25	1 L Amb. Glass	2	None except cool to 4 C	PCBs by SW-846 8082	N		
AA2011	PBOW-00-SW-TNTA-SW01-AA2011-(00-00)	20 SEP 2000	10:25	40 mL GVIAL,SEP	3	HCl<pH 2	TCL Volatiles by SW-846 8260B	N		
AA2011	PBOW-00-SW-TNTA-SW01-AA2011-(00-00)	20 SEP 2000	10:25	1 L Amb. Glass	2	None except cool to 4 C	TCL Semivolatiles by SW-846 8270C	N		
AA2011	PBOW-00-SW-TNTA-SW01-AA2011-(00-00)	20 SEP 2000	10:25	1 L Amb. Glass	2	None except cool to 4 C	Nitroaromatics by SW-846 8330	N		
AA2011	PBOW-00-SW-TNTA-SW01-AA2011-(00-00)	20 SEP 2000	10:25	1 L HDPE	1	HNO3, pH<2	TAL Metals by SW-846 6010B/7470A in water	N		

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Sample Preservation Check Documentation Form

WORK ORDER: 9130

Parameter:	Metals	Phenol	TPH O&G	Classical Parameters	Cyanide	Sulfide	Radiology	
Preservative:	HNO3	H2SO4	H2SO4	H2SO4	NaOH	NaOH	H2SO4	Other Preservations
pH Value	<2	<2	<2	<2	>12	>9	<2	
CLIENT I.D.								
AA2001MS	2							
AA2001MSD	2							
AA2002	2							
AA2003	2							
AA2004	2							
AA2005	2							
AA2006	2							
AA2007	2							
AA2009	2							
AA2010	2							
AA2011	2							

09/22/00

Sample Preservation Check Performed By: [signature] Date: 09/22/00

GPL Laboratories, LLLP

Figure 1
SAMPLE RECEIPT CHECKLIST

W.O. No: 9130

Client Name: IT corporation

Date Received: 09/22/00

Time Received: 10:25 Am

Received By: S

Carrier Name: Fed Ex

Prepared (Logged In) By: SF / 09/22/00 (Initials / Date)

Project: Plumbrook Ordnance Works

Site:

VOA Holding Blank I.D. No:

	YES	NO
Airbill/Manifest Present? No. 821226203364	✓	
Shipping Container in Good Condition?	✓	
Custody Seals Present on Shipping Container? Condition: Broken ___ Intact-not dated or signed ___ Intact-dated and signed ✓	✓	~~✓~~
Usage of Tamper Evident Type	✓	
Chain-of-Custody Present?	✓	
Chain-of-Custody Agrees with Sample Labels?	✓	
Chain-of-Custody Signed?	✓	
Packing Present in Shipping Container? Type of Packing Bubble wrap	✓	
Custody seals on Sample Bottles? Condition: Good ___ Broken ___		✓
Total Number of Sample Bottles 175		
Total Number of Samples 28		
Samples Intact?	✓	
Sufficient Sample Volume for Indicated Test?	✓	

	YES	NO
Trip Blanks: No. of Sets 1	✓	
Field Blanks: No. of Sets ___		✓
Equip. Blank: No. of Sets ___		✓
Field Duplicate: No. of Sets ___		✓
MS/MSD: No of Sets 2	✓	
VOA Vials Have Zero Headspace?	NR	
Preservatives Added to Sample?	✓	
pH Check Required? Performed By? SF	✓	✓
Ice Present in Shipping Container?	✓	

Container #	Temp.	Container #	Temp.
#1	2.0°C	#8	2.0°C
#2	2.0°C	#9	2.0°C
#3	2.0°C	#10	3.0°C
#4	2.0°C	#11	2.0°C
#5	3.0°C	#12	2.0°C
#6	2.0°C		
#7	2.0°C		

Project Manager Contacted? 09/22/00
Name: Bill Lark
Date Contacted: 09/22/00

Any NO response must be detailed in the comments section below. If items are not applicable to particular samples or contracts, they should be marked N/A/

COMMENTS: Sample AA 2006 MSD and PCB bottle broken in Shipping. Temperature by Temp Blank. Per email dated 9/22/00, from Chris Freshour, the I.D's for sample AA2001-MS and AA2001-MSD were changed to AA2006-MS and AA2006MSD. 9/22/00

Checklist Completed By: [signature]

Date: 09/22/00

SOP No: F.2V10

Duplicate?

Analytical Report For 9141

✓ VOA

for

IT Corporation

Project Manager: Maureen McMyler

Project Name : Plumbrook Ordnance Works

October 20, 2000

GPL

Laboratories

Project Manager

Laboratory Director

202 Perry Parkway Gaithersburg, MD 20877 Phone (301) 926 6802 Fax: (301) 840) 1209
www.gplab.com

TOTAL # OF PAGES : 56

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Laboratories

CASE NARRATIVE

CLIENT: IT CORPORATION
PROJECT/SITE: PLUMBROOK ORDNANCE WORKS
WORK ORDER(S): 9141
REVIEW DATE: 10/20/00

The Case Narrative, Chain of Custody, Sample Receipt Checklist, and the cover page of the Analytical Report, are integral parts of GPL Laboratories' report package. If you did not receive all of these documents, please contact GPL immediately.

Sample Receipt

Seven soil samples were received on 09/23/2000. The samples were delivered by Federal Express. The samples were received intact. Sample receipt conditions and temperatures are documented on the Sample Receipt Checklist.

Sample Analysis

Samples were prepared and analyzed by GPL using the analytical methodologies indicated on the Analytical Report of Analysis.

Volatile Analysis

1. Five soils were analyzed for volatile organic using 8260B methodologies.
2. The matrix spike and matrix spike duplicate analyses were performed on designated sample AA0441.
3. Two laboratory control sample (LCS) reports were submitted with this package.

Semivolatile Analysis

1. Five soil samples were extracted using method 3550B. These samples were analyzed for semivolatile organic compounds using USEPA method 8270C.
2. Matrix spike and duplicate analysis was performed on sample AA0441. A laboratory control spike was also performed with the batch.
3. The continuing calibration analyzed on 10/09/00 had Pentachlorophenol at 24.8%D. Re-analyses were not performed since it was not detected in the samples that were analyzed that day.

PCBs

1. Five soil samples were extracted and analyzed for PCB compounds using method 8082.
2. MS/MSD analysis was performed on sample AA0441. A laboratory control sample was extracted with this batch of samples.

GPL

Laboratories

CASE NARRATIVE

CLIENT: IT CORPORATION
PROJECT/SITE: PLUMBROOK ORDNANCE WORKS
WORK ORDER(S): 9141
REVIEW DATE: 10/20/00

3. Percent LCS recovery for AR1260 was below QC limits.

4. Percent RPD for AR1016 was outside of QC limits in the MS/MSD analysis.

5. Surrogate DCB is slightly above QC limits on RTX-CLP2 column for all samples except AA0443 DL.

6. Concentrations reported on Form I are the higher values of results generated by two columns. However, the analyst based on the evaluation of quality control parameters determines the most reliable results. Flagged concentrations (*) on Form I indicate that reported results are the lower values.

7. Due to software limitations, some forms were corrected manually.

Explosives

1. Five soil samples were extracted and analyzed for explosive compounds using SW846 method 8330.

2. Matrix spike and matrix spike duplicate analyses were performed on sample AA0441. All target analyte recoveries were within control limits.

3. A laboratory control sample was extracted and analyzed along with the sample batch. All target analyte recoveries were within control limits.

4. Explosive compounds 2,4-DNT and 2,6-DNT co-elute on the primary column and the confirmation column. The mixture of 2,4-DNT and 2,6-DNT in the LCS and MS/MSD samples is quantitated and reported as 2,4-DNT. A peak detected in the retention time window of 2,4-DNT and 2,6-DNT on both columns will be reported as an isomeric pair in samples under the results for 2,4-DNT.

5. Manual integration was performed on some data files, when automatic integration provided by the software was inappropriate. Some forms were "hand" corrected due to software limitations.

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Laboratories

CASE NARRATIVE

CLIENT: IT CORPORATION
PROJECT/SITE: PLUMBROOK ORDNANCE WORKS
WORK ORDER(S): 9141
REVIEW DATE: 10/20/00

Metals

1. *Five soil samples were analyzed for HSL metals by EPA SW846 methodologies.*

2. The preparation blank for lead was slightly contaminated. All of the samples were greater than 10X the blank concentration for lead, and therefore, re-digestion was not required. The data was flagged with an "H".

3. A matrix spike and duplicate were performed on sample AA0441 for all required analytes. A serial dilution was also performed for the ICP analytes. No control limits were applied to the matrix spike for iron because the spike addition was insignificant. The matrix spike was outside the control limits for aluminum, antimony, arsenic, barium, calcium, chromium, copper, lead, magnesium, manganese, and zinc. All associated data has been flagged with an "N". A post digestion spike was performed for these analytes with recoveries that were within 25% of the true value with the exception of manganese. The post digestion spike addition was insignificant for manganese. The duplicate result was outside the control limits for calcium, lead and zinc. The associated data has been flagged with an "*". The serial dilution was outside the control limits for chromium. The associated data has been flagged with an "E".

4. Calibration standards are verified against independent check standards purchased from a commercial vendor of environmental standards.

5. All GPL QA/QC criteria were met with the exceptions of those mentioned above.

Project Manager

Lab Director

GPL LABORATORIES, LLP
ANALYTICAL RESULTS

Project Name : Plumbrook Ordnance Works

Date Printe October 20, 2000

GPL ID	Client ID
9141-001-06-1	11
9141-001-06-1	AA0437
9141-002-06-1	12
9141-002-06-1	AA0438
9141-003-06-1	11
9141-003-06-1	AA0441
9141-006-06-1	6
9141-006-06-1	AA0442
9141-007-06-1	5
9141-007-06-1	AA0443
9141-001-06-1	11
9141-001-06-1	AA0437
9141-001-06-1	11
9141-001-06-1	AA0437
9141-002-06-1	12
9141-002-06-1	AA0438
9141-002-06-1	12
9141-002-06-1	AA0438
9141-003-06-1	11
9141-003-06-1	AA0441
9141-003-06-1	11
9141-003-06-1	AA0441
9141-006-06-1	6
9141-006-06-1	AA0442
9141-006-06-1	6
9141-006-06-1	AA0442
9141-007-06-1	5
9141-007-06-1	AA0443
9141-007-06-1	5
9141-007-06-1	AA0443
9141-001-06-1	11
9141-001-06-1	AA0437
9141-002-06-1	12
9141-002-06-1	AA0438
9141-003-06-1	11
9141-003-06-1	AA0441
9141-006-06-1	6
9141-006-06-1	AA0442
9141-007-06-1	5
9141-007-06-1	AA0443
9141-001-05-1	AA0437
9141-002-05-1	AA0438
9141-003-05-1	AA0441
9141-006-05-1	AA0442
9141-007-05-1	AA0443
9141-001-01-1/3	AA0437
9141-002-01-1/3	AA0438

GPL LABORATORIES, LLP
ANALYTICAL RESULTS

Project Name : Plumbrook Ordnance Works

Date Printe October 20, 2000

GPL ID	Client ID
9141-003-01-1/3	AA0441
9141-006-01-1/3	AA0442
9141-007-01-1/3	AA0443
9141-001-05-1	AA0437
9141-002-05-1	AA0438
9141-003-05-1	AA0441
9141-006-05-1	AA0442
9141-007-05-1	AA0443
9141-001-05-1	AA0437
9141-002-05-1	AA0438
9141-003-05-1	AA0441
9141-006-05-1	AA0442
9141-007-05-1	AA0443

Summary of Analytical Results

Client ID AA0437	**Prep Method:**	**Analytical Method: CLP_SOLIDS**
GPL ID: 9141-001-06-1	**Prep Date:**	**Date Analyzed: Sep-26-2000**
Matrix: Soil	**Prep Time:**	**Time Analyzed 12:30**
Date Collected: Sep-22-2000	**Prep Chemist:**	**Analyst: Roya Sabouri**
Date Received: Sep-23-2000		

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Percent Solids	88.5	0	%		1

Summary of Analytical Results

Client ID AA0438	Prep Method:	Analytical Method: CLP_SOLIDS
GPL ID: 9141-002-06-1	Prep Date:	Date Analyzed: Sep-26-2000
Matrix: Soil	Prep Time:	Time Analyzed 12:30
Date Collected: Sep-22-2000	Prep Chemist:	Analyst: Roya Sabouri
Date Received: Sep-23-2000		

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Percent Solids	88.4	0	%		1

Summary of Analytical Results

Client ID AA0441	**Prep Method:**	**Analytical Method: CLP_SOLIDS**
GPL ID: 9141-003-06-1	**Prep Date:**	**Date Analyzed: Sep-26-2000**
Matrix: Soil	**Prep Time:**	**Time Analyzed 12:30**
Date Collected: Sep-22-2000	**Prep Chemist:**	**Analyst: Roya Sabouri**
Date Received: Sep-23-2000		

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Percent Solids	89.2	0	%		1

Summary of Analytical Results

Client ID AA0442	**Prep Method:**	**Analytical Method: CLP_SOLIDS**
GPL ID: 9141-006-06-1	**Prep Date:**	**Date Analyzed: Sep-26-2000**
Matrix: Soil	**Prep Time:**	**Time Analyzed 12:30**
Date Collected: Sep-22-2000	**Prep Chemist:**	**Analyst: Roya Sabouri**
Date Received: Sep-23-2000		

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Percent Solids	94.5	0	%		1

Summary of Analytical Results

Client ID AA0443	**Prep Method:**	**Analytical Method: CLP_SOLIDS**
GPL ID: 9141-007-06-1	**Prep Date:**	**Date Analyzed: Sep-26-2000**
Matrix: Soil	**Prep Time:**	**Time Analyzed 12:30**
Date Collected: Sep-22-2000	**Prep Chemist:**	**Analyst: Roya Sabouri**
Date Received: Sep-23-2000		

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Percent Solids	94.9	0	%		1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID ~~11~~ AA0437 NM 11/13/00
GPL ID: 9141-001-06-1
Matrix: Soil
Date Collected: Sep-22-2000
Date Received: Sep-23-2000

Prep Method: SW3050B
Prep Date: Oct-10-2000
Prep Time: 12:10
Prep Chemist: Teshome Tamitre

Analytical Method: SW6010B
Date Analyzed: Oct-12-2000
Time Analyzed 21:57
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	7060	43.9	mg/kg		2
Antimony	BQL	1.32	mg/kg	U	2
Arsenic	10.9	1.1	mg/kg		2
Barium	20.1	1.1	mg/kg		2
Beryllium	0.497	0.219	mg/kg		2
Cadmium	0.189	0.658	mg/kg	B	2
Calcium	1330	110	mg/kg		2
Chromium	10.2	1.1	mg/kg		2
Cobalt	5.38	1.1	mg/kg		2
Copper	22.3	1.1	mg/kg		2
Iron	19400	21.9	mg/kg		2
Lead	19.8	0.658	mg/kg	H	2
Magnesium	1060	54.8	mg/kg		2
Manganese	276	1.1	mg/kg		2
Nickel	22.7	1.1	mg/kg		2
Potassium	1080	54.8	mg/kg		2
Selenium	1.24	1.1	mg/kg		2
Silver	BQL	0.658	mg/kg	U	2
Sodium	158	219	mg/kg	B	2
Vanadium	21.7	1.1	mg/kg		2
Zinc	76.5	3.29	mg/kg		2

Summary of Analytical Results

Client ID AA0437
GPL ID: 9141-001-06-1
Matrix: Soil
Date Collected: Sep-22-2000
Date Received: Sep-23-2000

Prep Method: SW3050B
Prep Date: Oct-07-2000
Prep Time: 11:46
Prep Chemist: Teshome Tamitre

Analytical Method: SW6010B
Date Analyzed: Oct-12-2000
Time Analyzed 21:57
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Thallium	BQL	2.19	mg/kg	U	2

Summary of Analytical Results

Client ID ~~12~~ AA0438 MM 11/13/00
GPL ID: 9141-002-06-1
Matrix: Soil
Date Collected: Sep-22-2000
Date Received: Sep-23-2000

Prep Method: SW3050B
Prep Date: Oct-10-2000
Prep Time: 12:10
Prep Chemist: Teshome Tamitre

Analytical Method: SW6010B
Date Analyzed: Oct-12-2000
Time Analyzed 22:04
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	8210	43.1	mg/kg		2
Antimony	0.602	1.29	mg/kg	B	2
Arsenic	10.6	1.08	mg/kg		2
Barium	22.5	1.08	mg/kg		2
Beryllium	0.435	0.215	mg/kg		2
Cadmium	0.239	0.646	mg/kg	B	2
Calcium	1530	108	mg/kg		2
Chromium	10.8	1.08	mg/kg		2
Cobalt	7.30	1.08	mg/kg		2
Copper	20.8	1.08	mg/kg		2
Iron	19200	21.5	mg/kg		2
Lead	24.4	0.646	mg/kg	H	2
Magnesium	1260	53.8	mg/kg		2
Manganese	405	1.08	mg/kg		2
Nickel	21.1	1.08	mg/kg		2
Potassium	916	53.8	mg/kg		2
Selenium	1.02	1.08	mg/kg	B	2
Silver	BQL	0.646	mg/kg	U	2
Sodium	163	215	mg/kg	B	2
Vanadium	23.2	1.08	mg/kg		2
Zinc	86.6	3.23	mg/kg		2

Summary of Analytical Results

Client ID AA0438	**Prep Method: SW3050B**	**Analytical Method: SW6010B**
GPL ID: 9141-002-06-1	**Prep Date: Oct-07-2000**	**Date Analyzed: Oct-12-2000**
Matrix: Soil	**Prep Time: 11:46**	**Time Analyzed 22:04**
Date Collected: Sep-22-2000	**Prep Chemist: Teshome Tamitre**	**Analyst: Simina Lal**
Date Received: Sep-23-2000		

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Thallium	BQL	2.2	mg/kg	U	2

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID ~~11~~ AA0441 11/13/00
GPL ID: 9141-003-06-1
Matrix: Soil
Date Collected: Sep-22-2000
Date Received: Sep-23-2000

Prep Method: SW3050B
Prep Date: Oct-10-2000
Prep Time: 12:10
Prep Chemist: Teshome Tamitre

Analytical Method: SW6010B
Date Analyzed: Oct-12-2000
Time Analyzed 22:10
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	5530	44	mg/kg		2
Antimony	1.38	1.32	mg/kg		2
Arsenic	4.11	1.1	mg/kg		2
Barium	33.5	1.1	mg/kg		2
Beryllium	0.226	0.22	mg/kg		2
Cadmium	0.518	0.66	mg/kg	B	2
Calcium	4080	110	mg/kg		2
Chromium	10.8	1.1	mg/kg		2
Cobalt	2.82	1.1	mg/kg		2
Copper	18.4	1.1	mg/kg		2
Iron	10400	22	mg/kg		2
Lead	122	0.66	mg/kg	H	2
Magnesium	1090	55	mg/kg		2
Manganese	230	1.1	mg/kg		2
Nickel	7.42	1.1	mg/kg		2
Potassium	481	55	mg/kg		2
Selenium	BQL	1.1	mg/kg	U	2
Silver	BQL	0.66	mg/kg	U	2
Sodium	217	220	mg/kg	B	2
Vanadium	16.1	1.1	mg/kg		2
Zinc	148	3.3	mg/kg		2

Summary of Analytical Results

Client ID AA0441
GPL ID: 9141-003-06-1
Matrix: Soil
Date Collected: Sep-22-2000
Date Received: Sep-23-2000

Prep Method: SW3050B
Prep Date: Oct-07-2000
Prep Time: 11:46
Prep Chemist: Teshome Tamitre

Analytical Method: SW6010B
Date Analyzed: Oct-12-2000
Time Analyzed 22:10
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Thallium	BQL	2.2	mg/kg	U	2

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AA0442 MM 11/13/00
GPL ID: 9141-006-06-1
Matrix: Soil
Date Collected: Sep-22-2000
Date Received: Sep-23-2000

Prep Method: SW3050B
Prep Date: Oct-10-2000
Prep Time: 12:10
Prep Chemist: Teshome Tamitre

Analytical Method: SW6010B
Date Analyzed: Oct-12-2000
Time Analyzed 22:54
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	4660	40.3	mg/kg		2
Antimony	BQL	1.21	mg/kg	U	2
Arsenic	3.71	1.01	mg/kg		2
Barium	24.6	1.01	mg/kg		2
Beryllium	0.179	0.202	mg/kg	B	2
Cadmium	1.15	0.605	mg/kg		2
Calcium	13600	101	mg/kg		2
Chromium	7.52	1.01	mg/kg		2
Cobalt	3.05	1.01	mg/kg		2
Copper	8.26	1.01	mg/kg		2
Iron	9280	20.2	mg/kg		2
Lead	115	0.605	mg/kg	H	2
Magnesium	3350	50.4	mg/kg		2
Manganese	218	1.01	mg/kg		2
Nickel	8.96	1.01	mg/kg		2
Potassium	572	50.4	mg/kg		2
Selenium	BQL	1.01	mg/kg	U	2
Silver	BQL	0.605	mg/kg	U	2
Sodium	249	202	mg/kg		2
Vanadium	14.7	1.01	mg/kg		2
Zinc	241	3.02	mg/kg		2

Summary of Analytical Results

Client ID AA0442	**Prep Method: SW3050B**	**Analytical Method: SW6010B**
GPL ID: 9141-006-06-1	**Prep Date: Oct-07-2000**	**Date Analyzed: Oct-12-2000**
Matrix: Soil	**Prep Time: 11:46**	**Time Analyzed 22:54**
Date Collected: Sep-22-2000	**Prep Chemist: Teshome Tamitre**	**Analyst: Simina Lal**
Date Received: Sep-23-2000		

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Thallium	BQL	2.12	mg/kg	U	2

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID 8 AA0443 MM 11/13/00
GPL ID: 9141-007-06-1
Matrix: Soil
Date Collected: Sep-22-2000
Date Received: Sep-23-2000

Prep Method: SW3050B
Prep Date: Oct-10-2000
Prep Time: 12:10
Prep Chemist: Teshome Tamitre

Analytical Method: SW6010B
Date Analyzed: Oct-12-2000
Time Analyzed 23:01
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	4420	40.1	mg/kg		2
Antimony	3.32	1.2	mg/kg		2
Arsenic	3.20	1	mg/kg		2
Barium	40.9	1	mg/kg		2
Beryllium	0.181	0.201	mg/kg	B	2
Cadmium	1.20	0.602	mg/kg		2
Calcium	12900	100	mg/kg		2
Chromium	7.76	1	mg/kg		2
Cobalt	2.87	1	mg/kg		2
Copper	7.43	1	mg/kg		2
Iron	8700	20.1	mg/kg		2
Lead	122	0.602	mg/kg	H	2
Magnesium	3210	50.2	mg/kg		2
Manganese	203	1	mg/kg		2
Nickel	8.11	1	mg/kg		2
Potassium	537	50.2	mg/kg		2
Selenium	BQL	1	mg/kg	U	2
Silver	BQL	0.602	mg/kg	U	2
Sodium	238	201	mg/kg		2
Vanadium	14.1	1	mg/kg		2
Zinc	238	3.01	mg/kg		2

Summary of Analytical Results

Client ID AA0443
GPL ID: 9141-007-06-1
Matrix: Soil
Date Collected: Sep-22-2000
Date Received: Sep-23-2000

Prep Method: SW3050B
Prep Date: Oct-07-2000
Prep Time: 11:46
Prep Chemist: Teshome Tamitre

Analytical Method: SW6010B
Date Analyzed: Oct-12-2000
Time Analyzed 23:01
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Thalllium	BQL	1.97	mg/kg	U	2

Summary of Analytical Results

Client ID AA0437
GPL ID: 9141-001-06-1
Matrix: Soil
Date Collected: Sep-22-2000
Date Received: Sep-23-2000

Prep Method: SW7471_DIG
Prep Date: Oct-10-2000
Prep Time: 13:00
Prep Chemist: Kelvin Choi

Analytical Method: SW7471A
Date Analyzed: Oct-11-2000
Time Analyzed 11:49
Analyst: Kelvin Choi

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	0.035	0.034	mg/kg		1

Summary of Analytical Results

Client ID AA0438
GPL ID: 9141-002-06-1
Matrix: Soil
Date Collected: Sep-22-2000
Date Received: Sep-23-2000

Prep Method: SW7471_DIG
Prep Date: Oct-10-2000
Prep Time: 13:00
Prep Chemist: Kelvin Choi

Analytical Method: SW7471A
Date Analyzed: Oct-11-2000
Time Analyzed 11:52
Analyst: Kelvin Choi

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	0.029	0.033	mg/kg	J	1

Summary of Analytical Results

Client ID AA0441
GPL ID: 9141-003-06-1
Matrix: Soil
Date Collected: Sep-22-2000
Date Received: Sep-23-2000

Prep Method: SW7471_DIG
Prep Date: Oct-10-2000
Prep Time: 13:00
Prep Chemist: Kelvin Choi

Analytical Method: SW7471A
Date Analyzed: Oct-11-2000
Time Analyzed 11:54
Analyst: Kelvin Choi

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	0.077	0.037	mg/kg		1

Summary of Analytical Results

Client ID AA0442
GPL ID: 9141-006-06-1
Matrix: Soil
Date Collected: Sep-22-2000
Date Received: Sep-23-2000

Prep Method: SW7471_DIG
Prep Date: Oct-10-2000
Prep Time: 13:00
Prep Chemist: Kelvin Choi

Analytical Method: SW7471A
Date Analyzed: Oct-11-2000
Time Analyzed 12:02
Analyst: Kelvin Choi

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	0.049	0.033	mg/kg		1

Summary of Analytical Results

Client ID AA0443
GPL ID: 9141-007-06-1
Matrix: Soil
Date Collected: Sep-22-2000
Date Received: Sep-23-2000

Prep Method: SW7471_DIG
Prep Date: Oct-10-2000
Prep Time: 13:00
Prep Chemist: Kelvin Choi

Analytical Method: SW7471A
Date Analyzed: Oct-11-2000
Time Analyzed 12:05
Analyst: Kelvin Choi

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	0.049	0.034	mg/kg		1

TOTAL METALS

-3-

BLANKS

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 09141

Preparation Blank Matrix (soil/water): SOIL

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Aluminum	55.2	U	55.2	U	55.2	U	55.2	U	5.520	U	P
Antimony	2.7	U	2.7	U	3.1	B	4.1	B	0.350	B	P
Arsenic	4.0	U	4.0	U	4.0	U	4.0	U	0.400	U	P
Barium	0.5	U	0.5	U	0.5	U	0.5	U	0.104	B	P
Beryllium	0.1	U	0.1	U	0.1	U	0.1	B	0.010	U	P
Cadmium	0.4	U	0.4	U	0.4	U	0.4	B	0.055	B	P
Calcium	140.0	U	140.0	U	140.0	U	140.0	U	22.798	B	P
Chromium	0.6	U	0.6	U	0.6	U	0.6	U	0.160	B	P
Cobalt	1.3	U	1.3	U	1.3	U	1.3	U	0.130	U	P
Copper	1.0	U	1.0	U	1.0	U	1.0	U	0.214	B	P
Iron	17.7	U	17.7	U	19.0	B	22.5	B	4.323	B	P
Lead	1.3	U	1.3	U	1.6	B	2.2	B	0.300		P
Magnesium	8.3	B	18.1	B	27.8	B	42.3	B	4.408	B	P
Manganese	0.2	U	0.2	U	0.3	B	0.2	B	0.100	B	P
Mercury	0.1	U	0.1	U	0.1	U	0.1	U	0.017	U	CV
Nickel	1.0	U	1.0	U	1.0	U	1.2	B	-0.345	B	P
Potassium	11.9	U	11.9	U	11.9	U	14.3	B	2.652	B	P
Selenium	3.3	U	3.3	U	3.3	U	3.3	U	0.330	U	P
Silver	1.8	U	1.8	U	1.8	U	1.8	U	0.180	U	P
Sodium	250.0	U	250.0	U	250.0	U	250.0	U	78.858	B	P
Thallium	5.0	U	5.0	U	5.0	U	5.0	U	-0.983	B	P
Vanadium	1.1	U	1.1	U	1.1	U	1.1	U	0.110	U	P
Zinc	4.2	U	4.2	U	4.2	U	4.2	U	0.975	B	P

TOTAL METALS

-3-

BLANKS

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 09141

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C		Preparation Blank	C		M
Aluminum			55.2	U	55.2	U	55.2	U					P
Antimony			2.7	U	2.7	U	2.7	U					P
Arsenic			4.0	U	4.0	U	4.0	U					P
Barium			0.5	U	0.5	U	0.5	U					P
Beryllium			0.1	U	0.1	U	0.1	U					P
Cadmium			0.4	U	0.4	U	0.4	U					P
Calcium			140.0	U	140.0	U	140.0	U					P
Chromium			0.6	U	0.6	U	0.6	U					P
Cobalt			1.3	U	1.3	U	1.3	U					P
Copper			1.0	U	1.0	U	1.0	U					P
Iron			17.7	U	17.7	U	21.3	B					P
Lead			1.3	U	1.3	U	1.3	U					P
Magnesium			54.7	B	47.8	B	40.0	B					P
Manganese			0.2	U	0.2	B	0.3	B					P
Nickel			1.0	U	1.0	U	1.0	U					P
Potassium			11.9	U	11.9	U	11.9	U					P
Selenium			3.3	U	3.3	U	3.3	U					P
Silver			1.8	U	1.8	U	1.8	U					P
Sodium			250.0	U	250.0	U	250.0	U					P
Thallium			5.0	U	5.0	U	5.0	U					P
Vanadium			1.1	U	1.1	U	1.1	U					P
Zinc			4.2	U	4.2	U	4.2	U					P

TOTAL METALS

-3-

BLANKS

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 09141

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Aluminum			55.2	U	55.2	U					P
Antimony			2.7	U	2.7	U					P
Arsenic			4.0	U	4.0	U					P
Barium			0.5	U	0.5	U					P
Beryllium			0.1	U	0.1	U					P
Cadmium			0.4	U	0.4	U					P
Calcium			140.0	U	140.0	U					P
Chromium			0.6	U	0.6	U					P
Cobalt			1.3	U	1.3	U					P
Copper			1.2	B	1.4	B					P
Iron			36.2	B	24.3	B					P
Lead			1.3	U	1.3	U					P
Magnesium			57.9	B	63.4	B					P
Manganese			0.4	B	0.2	U					P
Nickel			1.0	U	1.0	U					P
Potassium			11.9	U	11.9	U					P
Selenium			3.3	U	3.3	U					P
Silver			1.8	U	1.8	U					P
Sodium			250.0	U	250.0	U					P
Thallium			5.0	U	5.0	U	5.0	U			P
Vanadium			1.1	U	1.2	B					P
Zinc			4.2	U	4.2	U					P

TOTAL METALS

-3-

BLANKS

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 09141

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Thallium			5.0	U							P

GPL Laboratories, LLLP

TOTAL METALS
-5A-
SPIKE SAMPLE RECOVERY

SAMPLE NO.

AA0441S

Contract:

Lab Code: Case No.: SAS SDG NO.: 09141

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 89.2

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

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum	75 - 125	10641.1043		5524.2965		2219.95	230.5	N	P
Antimony	75 - 125	15.8529		1.3738		22.20	65.2	N	P
Arsenic	75 - 125	19.3889		4.1072		11.10	137.7	N	P
Barium	75 - 125	183.7041		33.4690		111.00	135.3	N	P
Beryllium	75 - 125	10.9964		0.2257		11.10	97.0		P
Cadmium	75 - 125	11.0633		0.5180	B	11.10	95.0		P
Calcium	75 - 125	39074.0404		4074.5900		1109.98	3153.2	N	P
Chromium	75 - 125	75.0957		10.8372		44.40	144.7	N	P
Cobalt	75 - 125	108.3398		2.8158		111.00	95.1		P
Copper	75 - 125	99.7124		18.4376		55.50	146.4	N	P
Iron		13570.9828		10426.9099		2219.95	141.6		P
Lead	75 - 125	445.8072		121.8204		111.00	291.9	N	P
Magnesium	75 - 125	4836.1827		1086.3005		1109.98	337.8	N	P
Manganese	75 - 125	408.7178		229.5285		111.00	161.4	N	P
Mercury	75 - 125	0.6860		0.0769		0.54	114.3		CV
Nickel	75 - 125	120.3970		7.4134		111.00	101.8		P
Potassium	75 - 125	1745.7662		480.3406		1109.98	114.0		P
Selenium	75 - 125	9.7424		0.7254	U	11.10	87.8		P
Silver	75 - 125	10.8404		0.3957	U	11.10	97.7		P
Sodium	75 - 125	1356.2225		216.8799	B	1109.98	102.6		P
Thallium	75 - 125	9.3609		1.0991	U	11.10	84.3		P
Vanadium	75 - 125	126.9034		16.0922		111.00	99.8		P
Zinc	75 - 125	359.9004		147.6747		111.00	191.2	N	P

Comments:

TOTAL METALS

-6-

DUPLICATES

SAMPLE NO.

AA0441D

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 09141

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 89.2 % Solids for Duplicate: 89.2

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

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum		5524.2965		5799.1751		4.9		P
Antimony	1.3	1.3738		1.0048	B	31.0		P
Arsenic	1.1	4.1072		4.1036		0.1		P
Barium		33.4690		36.1199		7.6		P
Beryllium	0.2	0.2257		0.2308		2.2		P
Cadmium		0.5180	B	0.5314	B	2.6		P
Calcium		4074.5900		3206.6620		23.8	*	P
Chromium		10.8372		11.0413		1.9		P
Cobalt	1.1	2.8158		2.7336		3.0		P
Copper		18.4376		19.9302		7.8		P
Iron		10426.9099		9899.6711		5.2		P
Lead		121.8204		184.6620		41.0	*	P
Magnesium		1086.3005		1107.6908		1.9		P
Manganese		229.5285		261.6973		13.1		P
Mercury	0.0	0.0686		0.0676		1.6		CV
Nickel		7.4134		7.3358		1.1		P
Potassium		480.3406		523.2683		8.6		P
Selenium		0.7254	U	0.7115	U			P
Silver		0.3957	U	0.3881	U			P
Sodium		216.8799	B	193.9164	B	11.2		P
Thallium		1.0991	U	1.0780	U			P
Vanadium		16.0922		16.5094		2.6		P
Zinc		147.6747		197.2847		28.8	*	P

TOTAL METALS

-7-

LABORATORY CONTROL SAMPLE

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 09141

Solid LCS Source: HIGH PURITY

Aqueous LCS Source:

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Aluminum				2000.0	1993.8		3140.0	7360.0	99.7
Antimony				20.0	19.3		5.9	60.2	96.5
Arsenic				10.0	9.7		69.8	118.0	96.8
Barium				100.0	98.3		254.0	405.0	98.3
Beryllium				10.0	9.6		33.5	51.9	96.1
Cadmium				10.0	9.5		74.8	120.0	94.6
Calcium				1000.0	948.8		986.0	1650.0	94.9
Chromium				40.0	38.7		35.5	56.5	96.8
Cobalt				100.0	94.8		95.6	145.0	94.8
Copper				50.0	49.8		121.0	174.0	99.6
Iron				2000.0	1897.7		5920.0	14500.0	94.9
Lead				100.0	95.3		103.0	167.0	95.3
Magnesium				1000.0	928.4		1890.0	2790.0	92.8
Manganese				100.0	96.6		127.0	205.0	96.5
Mercury				0.5	0.5		0.4	0.6	99.7
Nickel				100.0	95.2		108.0	168.0	95.2
Potassium				1000.0	977.0		1100.0	1950.0	97.7
Selenium				10.0	8.6		71.2	121.0	86.1
Silver				10.0	9.6		64.6	109.0	96.1
Sodium				1000.0	1051.7		531.0	1160.0	105.2
Thallium				10.0	9.6		8.0	12.0	96.2
Vanadium				100.0	97.1		44.4	85.8	97.1
Zinc				100.0	93.6		58.0	92.1	93.6

Summary of Analytical Results

Client ID AA0437
GPL ID: 9141-001-05-1
Matrix: Soil
Date Collected: Sep-22-2000
Date Received: Sep-23-2000

Prep Method: SW3550
Prep Date: Sep-26-2000
Prep Time: 14:15
Prep Chemist: Saeid Soleimani

Analytical Method: SW8082
Date Analyzed: Oct-05-2000
Time Analyzed 16:40
Analyst: Philipos Yosief

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	37.6	ug/kg	U	1
PCB-1221	BQL	37.6	ug/kg	U	1
PCB-1232	BQL	37.6	ug/kg	U	1
PCB-1242	BQL	37.6	ug/kg	U	1
PCB-1248	BQL	37.6	ug/kg	U	1
PCB-1254	BQL	37.6	ug/kg	U	1
PCB-1260	47.9	75.3	ug/kg	J	1

Summary of Analytical Results

Client ID AA0438
GPL ID: 9141-002-05-1
Matrix: Soil
Date Collected: Sep-22-2000
Date Received: Sep-23-2000

Prep Method: SW3550
Prep Date: Sep-26-2000
Prep Time: 14:15
Prep Chemist: Saeid Soleimani

Analytical Method: SW8082
Date Analyzed: Oct-05-2000
Time Analyzed 17:08
Analyst: Philipos Yosief

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	37.7	ug/kg	U	1
PCB-1221	BQL	37.7	ug/kg	U	1
PCB-1232	BQL	37.7	ug/kg	U	1
PCB-1242	BQL	37.7	ug/kg	U	1
PCB-1248	BQL	37.7	ug/kg	U	1
PCB-1254	BQL	37.7	ug/kg	U	1
PCB-1260	57.2	75.4	ug/kg	J	1

Summary of Analytical Results

Client ID AA0441
GPL ID: 9141-003-05-1
Matrix: Soil
Date Collected: Sep-22-2000
Date Received: Sep-23-2000

Prep Method: SW3550
Prep Date: Sep-26-2000
Prep Time: 14:15
Prep Chemist: Saeid Soleimani

Analytical Method: SW8082
Date Analyzed: Oct-05-2000
Time Analyzed 17:35
Analyst: Philipos Yosief

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	37.4	ug/kg	U	1
PCB-1221	BQL	37.4	ug/kg	U	1
PCB-1232	BQL	37.4	ug/kg	U	1
PCB-1242	BQL	37.4	ug/kg	U	1
PCB-1248	BQL	37.4	ug/kg	U	1
PCB-1254	BQL	37.4	ug/kg	U	1
PCB-1260	133	74.7	ug/kg		1

Summary of Analytical Results

Client ID AA0442
GPL ID: 9141-006-05-1
Matrix: Soil
Date Collected: Sep-22-2000
Date Received: Sep-23-2000

Prep Method: SW3550
Prep Date: Sep-26-2000
Prep Time: 14:15
Prep Chemist: Saeid Soleimani

Analytical Method: SW8082
Date Analyzed: Oct-05-2000
Time Analyzed 18:57
Analyst: Philipos Yosief

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	35.3	ug/kg	U	1
PCB-1221	BQL	35.3	ug/kg	U	1
PCB-1232	BQL	35.3	ug/kg	U	1
PCB-1242	BQL	35.3	ug/kg	U	1
PCB-1248	BQL	35.3	ug/kg	U	1
PCB-1254	BQL	35.3	ug/kg	U	1
PCB-1260	507	70.6	ug/kg		1

Summary of Analytical Results

Client ID AA0443
GPL ID: 9141-007-05-1
Matrix: Soil
Date Collected: Sep-22-2000
Date Received: Sep-23-2000

Prep Method: SW3550
Prep Date: Sep-26-2000
Prep Time: 14:15
Prep Chemist: Saeid Soleimani

Analytical Method: SW8082
Date Analyzed: Oct-11-2000
Time Analyzed 15:29
Analyst: Philipos Yosief

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	70.2	ug/kg	U	2
PCB-1221	BQL	70.2	ug/kg	U	2
PCB-1232	BQL	70.2	ug/kg	U	2
PCB-1242	BQL	70.2	ug/kg	U	2
PCB-1248	BQL	70.2	ug/kg	U	2
PCB-1254	BQL	70.2	ug/kg	U	2
PCB-1260	467	140	ug/kg		2

2F
SOIL PESTICIDE SURROGATE RECOVERY

Lab Name: GPL LABORATORIES Contract: IT_PLUMBROOK

Lab Code: GPLL Case No.: 9141 SAS No.: N/A SDG No.: N/A

GC Column (1) : RTx-5 ID: 0.53 (mm) GC Column (2) : RTx-1701 ID: 0.53 (mm)

	CLIENT SAMPLE ID	TCX 1 %REC #	TCX 2 %REC #	DCB 1 %REC #	DCB 2 %REC #	TOT OUT
01	PBLK-6381	133	136	127	206 *	1
02	PBLK-6381 MS	138	130	132	200 *	1
03	AA0437	76	78	112	167 *	1
04	AA0438	110	90	126	187 *	1
05	AA0441	117	108	127	176 *	1
06	AA0441 MS	128	111	141	174 *	1
07	AA0441 MSD	132	113	143	179 *	1
08	AA0442	100	94	119	180 *	1
09	AA0443 DL	73 ~~37D~~	92 ~~46D~~	89 ~~44~~D	98 ~~49~~D	0

PY 10/16/00

			ADVISORY QC LIMITS
TCX	=	Tetrachloro-m-xylene	(19-191)
DCB	=	Decachlorobiphenyl	(21-155)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogate diluted out

3E

SOIL PCB's MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: GPL Laboratories Client: IT_CORPORATION

Lab Code: GPL Case No.: 9141 SAS No.: N/A SDG No.: N/A

EPA Sample No.: AA0441 MS/MSD GP ID: 9141-003 MS/MSD

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENTRATION (ug/kg)	MS CONCENTRATION (ug/kg)	MS % REC	QC LIMITS REC.
AR 1016	187	0	170	88	58-133
AR 1260	373	0	400	107	40-159

COMPOUND	SPIKE ADDED (ug/kg)	MSD CONCENTRATION (ug/kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC.
AR 1016	187	210	113	24 *	20	58-133
AR 1260	373	430	114	7	15	40-159

* Value outside of QC limits

RPD: 1 of 2 outside limits.

Spike Recovery: 0 of 4 outside limits.

COMMENTS:

3E
SOIL LABORATORY CONTROL SPIKE RECOVERY

Lab Name: GPL Laboratories | Client: IT_CORPORATION

Lab Code: GPL | Case No.: 9141 | SAS No.: N/A | SDG No.: N/A

EPA Sample No.: PLCSA | GP ID: PBLK6381 MS

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENTRATION (ug/kg)	LCS CONCENTRATION (ug/kg)	LCS % REC	QC LIMITS REC
AR 1016	170	0	90	56	54-164
AR 1260	330	0	150	46 *	80-145

* Value outside of QC limits

Spike recovery: 1 out of 2 outside limits.

COMMENTS:

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PBLK-6381

Lab Name: GPL LABORATORIES Contract: IT_PLUMBRO

Lab Code: GPLL Case No.: 9141 SAS No.: N/A SDG No.: N/A

Lab Sample ID: PBLK-6381 Lab File ID: K4070P.D

Matrix: (soil/water) SOIL Extraction: (SepF/Cont/Sonc) SONC

Sulfur Cleanup: (Y/N) N Date Extracted: 09/26/00

Date Analyzed (1) : 10/05/00 Date Analyzed (2) : 10/05/00

Time Analyzed (1) : 1546 Time Analyzed (2) : 1546

Instrument ID (1) : GC-K Instrument ID (2) : GC-K

GC Column (1) : RTx-5 ID: 0.53 (mm) GC Column (2) : RTx-1701 ID: 0.53 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	PBLK-6381 MS	PBLK-6381 MS	10/05/00	10/05/00
02	AA0437	9141-001-05-1	10/05/00	10/05/00
03	AA0438	9141-002-05-1	10/05/00	10/05/00
04	AA0441	9141-003-05-1	10/05/00	10/05/00
05	AA0441 MS	9141-003-05-1 MS	10/05/00	10/05/00
06	AA0441 MSD	9141-003-05-1 MSD	10/05/00	10/05/00
07	AA0442	9141-006-05-1	10/05/00	10/05/00
08	AA0443 DL	9141-007-03-1/1 2X	10/11/00	10/11/00

COMMENTS:

Summary of Analytical Results

Client ID AA0437
GPL ID: 9141-001-01-1/3
Matrix: Soil
Date Collected: Sep-22-2000
Date Received: Sep-23-2000

Prep Method: SW5030B
Prep Date: Sep-26-2000
Prep Time: 07:57
Prep Chemist: NAZIH ABADEER

Analytical Method: SW8260B_TCL
Date Analyzed: Sep-26-2000
Time Analyzed 10:26
Analyst: Abid Mahmood

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	4.73	ug/kg	U	1
1,1,2,2-Tetrachloroethane	BQL	4.73	ug/kg	U	1
1,1,2-Trichloroethane	BQL	4.73	ug/kg	U	1
1,1-Dichloroethane	BQL	4.73	ug/kg	U	1
1,1-Dichloroethene	BQL	4.73	ug/kg	U	1
1,2-Dichloroethane	BQL	4.73	ug/kg	U	1
1,2-Dichloropropane	BQL	4.73	ug/kg	U	1
2-Butanone	BQL	9.46	ug/kg	U	1
2-Hexanone	BQL	9.46	ug/kg	U	1
4-Methyl-2-Pentanone	BQL	9.46	ug/kg	U	1
Acetone	57.9	9.46	ug/kg		1
Benzene	BQL	4.73	ug/kg	U	1
Bromodichloromethane	BQL	4.73	ug/kg	U	1
Bromoform	BQL	4.73	ug/kg	U	1
Bromomethane	BQL	9.46	ug/kg	U	1
Carbon Disulfide	BQL	4.73	ug/kg	U	1
Carbon Tetrachloride	BQL	4.73	ug/kg	U	1
Chlorobenzene	BQL	4.73	ug/kg	U	1
Chloroethane	BQL	9.46	ug/kg	U	1
Chloroform	BQL	4.73	ug/kg	U	1
Chloromethane	BQL	9.46	ug/kg	U	1
Dibromochloromethane	BQL	4.73	ug/kg	U	1
Ethylbenzene	BQL	4.73	ug/kg	U	1
Methylene Chloride	6.66	4.73	ug/kg		1
Styrene	BQL	4.73	ug/kg	U	1
Tetrachloroethene	BQL	4.73	ug/kg	U	1
Toluene	BQL	4.73	ug/kg	U	1
Trichloroethene	BQL	4.73	ug/kg	U	1
Vinyl Chloride	BQL	9.46	ug/kg	U	1
cis-1,2-Dichloroethene	BQL	4.73	ug/kg	U	1
cis-1,3-Dichloropropene	BQL	4.73	ug/kg	U	1
m,p-Xylenes	BQL	4.73	ug/kg	U	1
o-Xylene	BQL	4.73	ug/kg	U	1
trans-1,2-dichloroethene	BQL	4.73	ug/kg	U	1
trans-1,3-dichloropropene	BQL	4.73	ug/kg	U	1

Summary of Analytical Results

Client ID AA0438
GPL ID: 9141-002-01-1/3
Matrix: Soil
Date Collected: Sep-22-2000
Date Received: Sep-23-2000

Prep Method: SW5035
Prep Date: Sep-25-2000
Prep Time: 09:17
Prep Chemist: NAZIH ABADEER

Analytical Method: SW8260B_TCL
Date Analyzed: Sep-25-2000
Time Analyzed 17:22
Analyst: Abid Mahmood

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	4.7	ug/kg	U	1
1,1,2,2-Tetrachloroethane	BQL	4.7	ug/kg	U	1
1,1,2-Trichloroethane	BQL	4.7	ug/kg	U	1
1,1-Dichloroethane	BQL	4.7	ug/kg	U	1
1,1-Dichloroethene	BQL	4.7	ug/kg	U	1
1,2-Dichloroethane	BQL	4.7	ug/kg	U	1
1,2-Dichloropropane	BQL	4.7	ug/kg	U	1
2-Butanone	4.77	9.39	ug/kg	J	1
2-Hexanone	BQL	9.39	ug/kg	U	1
4-Methyl-2-Pentanone	BQL	9.39	ug/kg	U	1
Acetone	51.5	9.39	ug/kg		1
Benzene	BQL	4.7	ug/kg	U	1
Bromodichloromethane	BQL	4.7	ug/kg	U	1
Bromoform	BQL	4.7	ug/kg	U	1
Bromomethane	BQL	9.39	ug/kg	U	1
Carbon Disulfide	BQL	4.7	ug/kg	U	1
Carbon Tetrachloride	BQL	4.7	ug/kg	U	1
Chlorobenzene	BQL	4.7	ug/kg	U	1
Chloroethane	BQL	9.39	ug/kg	U	1
Chloroform	BQL	4.7	ug/kg	U	1
Chloromethane	BQL	9.39	ug/kg	U	1
Dibromochloromethane	BQL	4.7	ug/kg	U	1
Ethylbenzene	BQL	4.7	ug/kg	U	1
Methylene Chloride	5.70	4.7	ug/kg		1
Styrene	BQL	4.7	ug/kg	U	1
Tetrachloroethene	BQL	4.7	ug/kg	U	1
Toluene	BQL	4.7	ug/kg	U	1
Trichloroethene	BQL	4.7	ug/kg	U	1
Vinyl Chloride	BQL	9.39	ug/kg	U	1
cis-1,2-Dichloroethene	BQL	4.7	ug/kg	U	1
cis-1,3-Dichloropropene	BQL	4.7	ug/kg	U	1
m,p-Xylenes	BQL	4.7	ug/kg	U	1
o-Xylene	BQL	4.7	ug/kg	U	1
trans-1,2-dichloroethene	BQL	4.7	ug/kg	U	1
trans-1,3-dichloropropene	BQL	4.7	ug/kg	U	1

Summary of Analytical Results

Client ID AA0441
GPL ID: 9141-003-01-1/3
Matrix: Soil
Date Collected: Sep-22-2000
Date Received: Sep-23-2000

Prep Method: SW5035
Prep Date: Sep-25-2000
Prep Time: 09:17
Prep Chemist: NAZIH ABADEER

Analytical Method: SW8260B_TCL
Date Analyzed: Sep-25-2000
Time Analyzed 19:21
Analyst: Abid Mahmood

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	6.16	ug/kg	U	1
1,1,2,2-Tetrachloroethane	BQL	6.16	ug/kg	U	1
1,1,2-Trichloroethane	BQL	6.16	ug/kg	U	1
1,1-Dichloroethane	BQL	6.16	ug/kg	U	1
1,1-Dichloroethene	BQL	6.16	ug/kg	U	1
1,2-Dichloroethane	BQL	6.16	ug/kg	U	1
1,2-Dichloropropane	BQL	6.16	ug/kg	U	1
2-Butanone	9.80	12.3	ug/kg	J	1
2-Hexanone	BQL	12.3	ug/kg	U	1
4-Methyl-2-Pentanone	BQL	12.3	ug/kg	U	1
Acetone	58.2	12.3	ug/kg		1
Benzene	BQL	6.16	ug/kg	U	1
Bromodichloromethane	BQL	6.16	ug/kg	U	1
Bromoform	BQL	6.16	ug/kg	U	1
Bromomethane	BQL	12.3	ug/kg	U	1
Carbon Disulfide	BQL	6.16	ug/kg	U	1
Carbon Tetrachloride	BQL	6.16	ug/kg	U	1
Chlorobenzene	BQL	6.16	ug/kg	U	1
Chloroethane	BQL	12.3	ug/kg	U	1
Chloroform	BQL	6.16	ug/kg	U	1
Chloromethane	BQL	12.3	ug/kg	U	1
Dibromochloromethane	BQL	6.16	ug/kg	U	1
Ethylbenzene	BQL	6.16	ug/kg	U	1
Methylene Chloride	3.98	6.16	ug/kg	J	1
Styrene	BQL	6.16	ug/kg	U	1
Tetrachloroethene	BQL	6.16	ug/kg	U	1
Toluene	BQL	6.16	ug/kg	U	1
Trichloroethene	BQL	6.16	ug/kg	U	1
Vinyl Chloride	BQL	12.3	ug/kg	U	1
cis-1,2-Dichloroethene	BQL	6.16	ug/kg	U	1
cis-1,3-Dichloropropene	BQL	6.16	ug/kg	U	1
m,p-Xylenes	BQL	6.16	ug/kg	U	1
o-Xylene	BQL	6.16	ug/kg	U	1
trans-1,2-dichloroethene	BQL	6.16	ug/kg	U	1
trans-1,3-dichloropropene	BQL	6.16	ug/kg	U	1

Summary of Analytical Results

Client ID AA0442
GPL ID: 9141-006-01-1/3
Matrix: Soil
Date Collected: Sep-22-2000
Date Received: Sep-23-2000

Prep Method: SW5035
Prep Date: Sep-25-2000
Prep Time: 09:17
Prep Chemist: NAZIH ABADEER

Analytical Method: SW8260B_TCL
Date Analyzed: Sep-25-2000
Time Analyzed 18:02
Analyst: Abid Mahmood

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	5.34	ug/kg	U	1
1,1,2,2-Tetrachloroethane	BQL	5.34	ug/kg	U	1
1,1,2-Trichloroethane	BQL	5.34	ug/kg	U	1
1,1-Dichloroethane	BQL	5.34	ug/kg	U	1
1,1-Dichloroethene	BQL	5.34	ug/kg	U	1
1,2-Dichloroethane	BQL	5.34	ug/kg	U	1
1,2-Dichloropropane	BQL	5.34	ug/kg	U	1
2-Butanone	BQL	10.7	ug/kg	U	1
2-Hexanone	BQL	10.7	ug/kg	U	1
4-Methyl-2-Pentanone	BQL	10.7	ug/kg	U	1
Acetone	114	10.7	ug/kg		1
Benzene	BQL	5.34	ug/kg	U	1
Bromodichloromethane	BQL	5.34	ug/kg	U	1
Bromoform	BQL	5.34	ug/kg	U	1
Bromomethane	BQL	10.7	ug/kg	U	1
Carbon Disulfide	2.18	5.34	ug/kg	J	1
Carbon Tetrachloride	BQL	5.34	ug/kg	U	1
Chlorobenzene	BQL	5.34	ug/kg	U	1
Chloroethane	BQL	10.7	ug/kg	U	1
Chloroform	BQL	5.34	ug/kg	U	1
Chloromethane	BQL	10.7	ug/kg	U	1
Dibromochloromethane	BQL	5.34	ug/kg	U	1
Ethylbenzene	BQL	5.34	ug/kg	U	1
Methylene Chloride	3.76	5.34	ug/kg	J	1
Styrene	BQL	5.34	ug/kg	U	1
Tetrachloroethene	BQL	5.34	ug/kg	U	1
Toluene	BQL	5.34	ug/kg	U	1
Trichloroethene	BQL	5.34	ug/kg	U	1
Vinyl Chloride	BQL	10.7	ug/kg	U	1
cis-1,2-Dichloroethene	BQL	5.34	ug/kg	U	1
cis-1,3-Dichloropropene	BQL	5.34	ug/kg	U	1
m,p-Xylenes	BQL	5.34	ug/kg	U	1
o-Xylene	BQL	5.34	ug/kg	U	1
trans-1,2-dichloroethene	BQL	5.34	ug/kg	U	1
trans-1,3-dichloropropene	BQL	5.34	ug/kg	U	1

Summary of Analytical Results

Client ID AA0443
GPL ID: 9141-007-01-1/3
Matrix: Soil
Date Collected: Sep-22-2000
Date Received: Sep-23-2000

Prep Method: SW5035
Prep Date: Sep-25-2000
Prep Time: 09:17
Prep Chemist: NAZIH ABADEER

Analytical Method: SW8260B_TCL
Date Analyzed: Sep-25-2000
Time Analyzed 18:41
Analyst: Abid Mahmood

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	6.21	ug/kg	U	1
1,1,2,2-Tetrachloroethane	BQL	6.21	ug/kg	U	1
1,1,2-Trichloroethane	BQL	6.21	ug/kg	U	1
1,1-Dichloroethane	BQL	6.21	ug/kg	U	1
1,1-Dichloroethene	BQL	6.21	ug/kg	U	1
1,2-Dichloroethane	BQL	6.21	ug/kg	U	1
1,2-Dichloropropane	BQL	6.21	ug/kg	U	1
2-Butanone	BQL	12.4	ug/kg	U	1
2-Hexanone	BQL	12.4	ug/kg	U	1
4-Methyl-2-Pentanone	BQL	12.4	ug/kg	U	1
Acetone	53.4	12.4	ug/kg		1
Benzene	BQL	6.21	ug/kg	U	1
Bromodichloromethane	BQL	6.21	ug/kg	U	1
Bromoform	BQL	6.21	ug/kg	U	1
Bromomethane	BQL	12.4	ug/kg	U	1
Carbon Disulfide	BQL	6.21	ug/kg	U	1
Carbon Tetrachloride	BQL	6.21	ug/kg	U	1
Chlorobenzene	BQL	6.21	ug/kg	U	1
Chloroethane	BQL	12.4	ug/kg	U	1
Chloroform	BQL	6.21	ug/kg	U	1
Chloromethane	BQL	12.4	ug/kg	U	1
Dibromochloromethane	BQL	6.21	ug/kg	U	1
Ethylbenzene	BQL	6.21	ug/kg	U	1
Methylene Chloride	3.53	6.21	ug/kg	J	1
Styrene	BQL	6.21	ug/kg	U	1
Tetrachloroethene	BQL	6.21	ug/kg	U	1
Toluene	BQL	6.21	ug/kg	U	1
Trichloroethene	BQL	6.21	ug/kg	U	1
Vinyl Chloride	BQL	12.4	ug/kg	U	1
cis-1,2-Dichloroethene	BQL	6.21	ug/kg	U	1
cis-1,3-Dichloropropene	BQL	6.21	ug/kg	U	1
m,p-Xylenes	BQL	6.21	ug/kg	U	1
o-Xylene	BQL	6.21	ug/kg	U	1
trans-1,2-dichloroethene	BQL	6.21	ug/kg	U	1
trans-1,3-dichloropropene	BQL	6.21	ug/kg	U	1

2B
SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: GPL LABORATORIES, LLLP Contract: IT CORPORATION

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Level: (low/med) LOW

	CLIENT SAMPLE NO.	SMC1 #	SMC2 #	SMC3 #	SMC4 #	TOT OUT
01	BLK6977	104	98	105	106	0
02	BKS6977	101	103	120	120	0
03	AA0438	114	100	107	114	0
04	AA0442	110	97	103	107	0
05	AA0443	111	96	104	110	0
06	AA0441	117	101	110	121	0
07	AA0441 MS	119	96	108	117	0
08	AA0441 MSD	109	100	105	111	0
09	BLK6989	98	101	111	114	0
10	BKS6989	118	101	101	102	0
11	AA0437	119	102	103	110	0

			QC LIMITS
SMC1	=	1,2-Dichloroethane-d4	(72-129)
SMC2	=	Toluene-d8	(68-122)
SMC3	=	4-Bromofluorobenzene	(71-122)
SMC4	=	1,2-Dichlorobenzene-d4	(68-138)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

LAB CONTROL STANDARD RECOVERY

Lab Name:	GPL LABORATORIES, LLLP			Contract:	DAMES_MOORE
Case No.:	N/A			SDG No.:	N/A
Lab Code:	GPLL			Lab Sample ID:	BKS1
Lab File ID:	A26738	Matrix:	SOIL	Date Analyzed:	8/25/00

COMPOUND	LCS ADDED (ugKg)	CONCENTRATION FOUND (ug/Kg)	PERCENT RECOVERY #	INTERNAL LABORATORY LIMITS
Vinyl Chloride	50	46	92	29-148
1,1-Dichloroethene	50	48	96	40-150
Chloroform	50	50	100	61-146
1,1,1-Trichloroethane	50	51	102	59-155
Carbon Tetrachloride	50	54	108	61-152
Benzene	50	44	88	59-153
1,2-Dichloroethane	50	48	96	63-151
Trichloroethene	50	45	90	55-145
Bromodichloromethane	50	46	92	65-151
Dibromochloromethane	50	45	90	52-155
Bromoform	50	44	88	36-150

* Value outside internal laboratory limits

Comments: _____

LAB CONTROL STANDARD RECOVERY

Lab Name: GP ENVIRONMENTAL
Case No.:
Lab Code:
Lab File ID: A27222 Matrix: SOIL

Contract:
SDG No.:
Lab Sample ID: BKS0926
Date Analyzed: 09/26/2000

COMPOUND	LCS ADDED (ug/L)	CONCENTRATION FOUND (ug/L)	PERCENT RECOVERY #	INTERNAL LABORATORY LIMITS
Vinyl Chloride	50	38	76	29-148
1,1-Dichloroethene	50	40	80	40-150
Chloroform	50	49	98	61-146
1,2-Dichloroethane	50	53	106	59-155
1,1,1,-Trichloroethane	50	51	102	61-152
Carbon Tetrachloride	50	54	108	59-153
Bromodichloromethane	50	51	102	63-151
Trichloroethene	50	45	90	55-145
Dibromochloromethane	50	51	102	65-151
Benzene	50	45	90	52-155
Bromoform	50	51	102	36-150

* Value outside internal laboratory limits

Comments: _____

3B

SOIL VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: GPL LABORATORIES, LLLP Contract: IT CORPORATIO

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Matrix Spike - EPA Sample No.: AA0441 Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC LIMITS REC.
1,1-Dichloroethene	70	0.0	55	79	39 - 147
Benzene	70	0.0	53	76	36 - 150
Trichloroethene	70	0.0	53	76	33 - 150
Toluene	70	0.0	50	71	34 - 151
Chlorobenzene	70	0.0	46	66	33 - 143

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	59	41	69	14	25	39 - 147
Benzene	59	43	73	4	25	36 - 150
Trichloroethene	59	42	71	7	25	33 - 150
Toluene	59	40	68	4	25	34 - 151
Chlorobenzene	59	36	61	8	25	33 - 143

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 5 outside limits

Spike Recovery: 0 out of 10 outside limits

COMMENTS: _____

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

BLK6977

Lab Name: GPL LABORATORIES, LLLP Contract: IT CORPOR

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Lab File ID: A27202.D Lab Sample ID: BLK1

Date Analyzed: 09/25/00 Time Analyzed: 10:30

GC Column: RTXVOA ID: 0.53 (mm) Heated Purge: (Y/N) N

Instrument ID: HP#A

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	BKS6977	BKS1	A27203.D	11:11
02	AA0438	9141-002-01-1/3	A27212.D	17:22
03	AA0442	9141-006-01-1/3	A27213.D	18:02
04	AA0443	9141-007-01-1/3	A27214.D	18:41
05	AA0441	9141-003-01-1/3	A27215.D	19:21
06	AA0441 MS	9141-004-01-1/3MS	A27216.D	20:00
07	AA0441 MSD	9141-005-01-1/3MSD	A27217.D	20:40

COMMENTS:

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

BLK6989

Lab Name: GPL LABORATORIES, LLLP Contract: IT CORPOR

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Lab File ID: A27221.D Lab Sample ID: BLK1

Date Analyzed: 09/26/00 Time Analyzed: 09:06

GC Column: RTXVOA ID: 0.53 (mm) Heated Purge: (Y/N) N

Instrument ID: HP#A

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	BKS6989	BKS1	A27222.D	09:47
02	AA0437	9141-001-02-2/3	A27223.D	10:26

COMMENTS:

Summary of Analytical Results

Client ID AA0437
GPL ID: 9141-001-05-1
Matrix: Soil
Date Collected: Sep-22-2000
Date Received: Sep-23-2000

Prep Method: SW3550
Prep Date: Sep-27-2000
Prep Time: 00:00
Prep Chemist: Rekha Patel

Analytical Method: SW8270CTCL
Date Analyzed: Oct-11-2000
Time Analyzed 01:07
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	376	ug/kg	U	1
1,2-Dichlorobenzene	BQL	376	ug/kg	U	1
1,3-Dichlorobenzene	BQL	376	ug/kg	U	1
1,4-Dichlorobenzene	BQL	376	ug/kg	U	1
2,2-Oxybis(1-Chloro)Propane	BQL	376	ug/kg	U	1
2,4,5-Trichlorophenol	BQL	376	ug/kg	U	1
2,4,6-Trichlorophenol	BQL	376	ug/kg	U	1
2,4-Dichlorophenol	BQL	376	ug/kg	U	1
2,4-Dimethylphenol	BQL	376	ug/kg	U	1
2,4-Dinitrophenol	BQL	753	ug/kg	U	1
2,4-Dinitrotoluene	803	376	ug/kg		1
2,6-Dinitrotoluene	108	376	ug/kg	J	1
2-Chloronaphthalene	BQL	376	ug/kg	U	1
2-Chlorophenol	BQL	376	ug/kg	U	1
2-Methylnaphthalene	BQL	376	ug/kg	U	1
2-Nitroaniline	BQL	376	ug/kg	U	1
2-Nitrophenol	BQL	376	ug/kg	U	1
2-methylphenol	BQL	376	ug/kg	U	1
3,3-Dichlorobenzidine	BQL	753	ug/kg	U	1
3-Nitroaniline	BQL	376	ug/kg	U	1
4,6-dinitro-2-methyl phenol	BQL	753	ug/kg	U	1
4-Bromophenyl-phenylether	BQL	376	ug/kg	U	1
4-Chloroaniline	BQL	376	ug/kg	U	1
4-Chlorophenyl Phenyl Ether	BQL	376	ug/kg	U	1
4-Nitroaniline	BQL	376	ug/kg	U	1
4-Nitrophenol	BQL	753	ug/kg	U	1
4-chloro-3-methylphenol	BQL	376	ug/kg	U	1
4-methylphenol	BQL	376	ug/kg	U	1
Acenaphthene	BQL	376	ug/kg	U	1
Acenaphthylene	BQL	376	ug/kg	U	1
Anthracene	BQL	376	ug/kg	U	1
Benzo(a)anthracene	BQL	376	ug/kg	U	1
Benzo(a)pyrene	BQL	376	ug/kg	U	1
Benzo(b)fluoranthene	BQL	376	ug/kg	U	1
Benzo(g,h,i)perylene	BQL	376	ug/kg	U	1
Benzo(k)fluoranthene	BQL	376	ug/kg	U	1
Benzyl Butyl Phthalate	BQL	376	ug/kg	U	1
Carbazole	BQL	376	ug/kg	U	1
Chrysene	BQL	376	ug/kg	U	1

Summary of Analytical Results

Client ID AA0437
GPL ID: 9141-001-05-1
Matrix: Soil
Date Collected: Sep-22-2000
Date Received: Sep-23-2000

Prep Method: SW3550
Prep Date: Sep-27-2000
Prep Time: 00:00
Prep Chemist: Rekha Patel

Analytical Method: SW8270CTCL
Date Analyzed: Oct-11-2000
Time Analyzed 01:07
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	376	ug/kg	U	1
Dibenzofuran	BQL	376	ug/kg	U	1
Diethyl Phthalate	BQL	376	ug/kg	U	1
Dimethyl Phthalate	BQL	376	ug/kg	U	1
Fluoranthene	BQL	376	ug/kg	U	1
Fluorene	BQL	376	ug/kg	U	1
Hexachlorobenzene	BQL	376	ug/kg	U	1
Hexachlorobutadiene	BQL	376	ug/kg	U	1
Hexachlorocyclopentadiene	BQL	376	ug/kg	U	1
Hexachloroethane	BQL	376	ug/kg	U	1
Indeno(1,2,3-c,d)Pyrene	BQL	376	ug/kg	U	1
Isophorone	BQL	376	ug/kg	U	1
Naphthalene	BQL	376	ug/kg	U	1
Nitrobenzene	BQL	376	ug/kg	U	1
Pentachlorophenol	BQL	753	ug/kg	U	1
Phenanthrene	BQL	376	ug/kg	U	1
Phenol	BQL	376	ug/kg	U	1
Pyrene	BQL	376	ug/kg	U	1
bis(2-chloroethoxy) methane	BQL	376	ug/kg	U	1
bis(2-chloroethyl) ether	BQL	376	ug/kg	U	1
bis(2-ethylhexyl) phthalate	BQL	376	ug/kg	U	1
di-n-Butyl Phthalate	BQL	376	ug/kg	U	1
di-n-Octyl Phthalate	BQL	376	ug/kg	U	1
n-Nitrosodi-n-Propylamine	BQL	376	ug/kg	U	1
n-Nitrosodiphenylamine	BQL	376	ug/kg	U	1

Summary of Analytical Results

Client ID AA0438
GPL ID: 9141-002-05-1
Matrix: Soil
Date Collected: Sep-22-2000
Date Received: Sep-23-2000

Prep Method: SW3550
Prep Date: Sep-27-2000
Prep Time: 00:00
Prep Chemist: Rekha Patel

Analytical Method: SW8270CTCL
Date Analyzed: Oct-11-2000
Time Analyzed 03:31
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	376	ug/kg	U	1
1,2-Dichlorobenzene	BQL	376	ug/kg	U	1
1,3-Dichlorobenzene	BQL	376	ug/kg	U	1
1,4-Dichlorobenzene	BQL	376	ug/kg	U	1
2,2-Oxybis(1-Chloro)Propane	BQL	376	ug/kg	U	1
2,4,5-Trichlorophenol	BQL	376	ug/kg	U	1
2,4,6-Trichlorophenol	BQL	376	ug/kg	U	1
2,4-Dichlorophenol	BQL	376	ug/kg	U	1
2,4-Dimethylphenol	BQL	376	ug/kg	U	1
2,4-Dinitrophenol	BQL	753	ug/kg	U	1
2,4-Dinitrotoluene	BQL	376	ug/kg	U	1
2,6-Dinitrotoluene	102	376	ug/kg	J	1
2-Chloronaphthalene	BQL	376	ug/kg	U	1
2-Chlorophenol	BQL	376	ug/kg	U	1
2-Methylnaphthalene	BQL	376	ug/kg	U	1
2-Nitroaniline	BQL	376	ug/kg	U	1
2-Nitrophenol	BQL	376	ug/kg	U	1
2-methylphenol	BQL	376	ug/kg	U	1
3,3-Dichlorobenzidine	BQL	753	ug/kg	U	1
3-Nitroaniline	BQL	376	ug/kg	U	1
4,6-dinitro-2-methyl phenol	BQL	753	ug/kg	U	1
4-Bromophenyl-phenylether	BQL	376	ug/kg	U	1
4-Chloroaniline	BQL	376	ug/kg	U	1
4-Chlorophenyl Phenyl Ether	BQL	376	ug/kg	U	1
4-Nitroaniline	BQL	376	ug/kg	U	1
4-Nitrophenol	BQL	753	ug/kg	U	1
4-chloro-3-methylphenol	BQL	376	ug/kg	U	1
4-methylphenol	BQL	376	ug/kg	U	1
Acenaphthene	BQL	376	ug/kg	U	1
Acenaphthylene	BQL	376	ug/kg	U	1
Anthracene	BQL	376	ug/kg	U	1
Benzo(a)anthracene	BQL	376	ug/kg	U	1
Benzo(a)pyrene	BQL	376	ug/kg	U	1
Benzo(b)fluoranthene	BQL	376	ug/kg	U	1
Benzo(g,h,i)perylene	BQL	376	ug/kg	U	1
Benzo(k)fluoranthene	BQL	376	ug/kg	U	1
Benzyl Butyl Phthalate	BQL	376	ug/kg	U	1
Carbazole	BQL	376	ug/kg	U	1
Chrysene	BQL	376	ug/kg	U	1

Summary of Analytical Results

Client ID AA0438
GPL ID: 9141-002-05-1
Matrix: Soil
Date Collected: Sep-22-2000
Date Received: Sep-23-2000

Prep Method: SW3550
Prep Date: Sep-27-2000
Prep Time: 00:00
Prep Chemist: Rekha Patel

Analytical Method: SW8270CTCL
Date Analyzed: Oct-11-2000
Time Analyzed 03:31
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	376	ug/kg	U	1
Dibenzofuran	BQL	376	ug/kg	U	1
Diethyl Phthalate	BQL	376	ug/kg	U	1
Dimethyl Phthalate	BQL	376	ug/kg	U	1
Fluoranthene	BQL	376	ug/kg	U	1
Fluorene	BQL	376	ug/kg	U	1
Hexachlorobenzene	BQL	376	ug/kg	U	1
Hexachlorobutadiene	BQL	376	ug/kg	U	1
Hexachlorocyclopentadiene	BQL	376	ug/kg	U	1
Hexachloroethane	BQL	376	ug/kg	U	1
Indeno(1,2,3-c,d)Pyrene	BQL	376	ug/kg	U	1
Isophorone	BQL	376	ug/kg	U	1
Naphthalene	BQL	376	ug/kg	U	1
Nitrobenzene	BQL	376	ug/kg	U	1
Pentachlorophenol	BQL	753	ug/kg	U	1
Phenanthrene	BQL	376	ug/kg	U	1
Phenol	BQL	376	ug/kg	U	1
Pyrene	BQL	376	ug/kg	U	1
bis(2-chloroethoxy) methane	BQL	376	ug/kg	U	1
bis(2-chloroethyl) ether	BQL	376	ug/kg	U	1
bis(2-ethylhexyl) phthalate	BQL	376	ug/kg	U	1
di-n-Butyl Phthalate	130	376	ug/kg	J	1
di-n-Octyl Phthalate	BQL	376	ug/kg	U	1
n-Nitrosodi-n-Propylamine	BQL	376	ug/kg	U	1
n-Nitrosodiphenylamine	BQL	376	ug/kg	U	1

Summary of Analytical Results

Client ID AA0441
GPL ID: 9141-003-05-1
Matrix: Soil
Date Collected: Sep-22-2000
Date Received: Sep-23-2000

Prep Method: SW3550
Prep Date: Sep-27-2000
Prep Time: 00:00
Prep Chemist: Rekha Patel

Analytical Method: SW8270CTCL
Date Analyzed: Oct-11-2000
Time Analyzed 01:43
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	374	ug/kg	U	1
1,2-Dichlorobenzene	BQL	374	ug/kg	U	1
1,3-Dichlorobenzene	BQL	374	ug/kg	U	1
1,4-Dichlorobenzene	BQL	374	ug/kg	U	1
2,2-Oxybis(1-Chloro)Propane	BQL	374	ug/kg	U	1
2,4,5-Trichlorophenol	BQL	374	ug/kg	U	1
2,4,6-Trichlorophenol	BQL	374	ug/kg	U	1
2,4-Dichlorophenol	BQL	374	ug/kg	U	1
2,4-Dimethylphenol	BQL	374	ug/kg	U	1
2,4-Dinitrophenol	BQL	748	ug/kg	U	1
2,4-Dinitrotoluene	BQL	374	ug/kg	U	1
2,6-Dinitrotoluene	BQL	374	ug/kg	U	1
2-Chloronaphthalene	BQL	374	ug/kg	U	1
2-Chlorophenol	BQL	374	ug/kg	U	1
2-Methylnaphthalene	BQL	374	ug/kg	U	1
2-Nitroaniline	BQL	374	ug/kg	U	1
2-Nitrophenol	BQL	374	ug/kg	U	1
2-methylphenol	BQL	374	ug/kg	U	1
3,3-Dichlorobenzidine	BQL	748	ug/kg	U	1
3-Nitroaniline	BQL	374	ug/kg	U	1
4,6-dinitro-2-methyl phenol	BQL	748	ug/kg	U	1
4-Bromophenyl-phenylether	BQL	374	ug/kg	U	1
4-Chloroaniline	BQL	374	ug/kg	U	1
4-Chlorophenyl Phenyl Ether	BQL	374	ug/kg	U	1
4-Nitroaniline	BQL	374	ug/kg	U	1
4-Nitrophenol	BQL	748	ug/kg	U	1
4-chloro-3-methylphenol	BQL	374	ug/kg	U	1
4-methylphenol	BQL	374	ug/kg	U	1
Acenaphthene	BQL	374	ug/kg	U	1
Acenaphthylene	BQL	374	ug/kg	U	1
Anthracene	BQL	374	ug/kg	U	1
Benzo(a)anthracene	BQL	374	ug/kg	U	1
Benzo(a)pyrene	BQL	374	ug/kg	U	1
Benzo(b)fluoranthene	BQL	374	ug/kg	U	1
Benzo(g,h,i)perylene	BQL	374	ug/kg	U	1
Benzo(k)fluoranthene	BQL	374	ug/kg	U	1
Benzyl Butyl Phthalate	BQL	374	ug/kg	U	1
Carbazole	BQL	374	ug/kg	U	1
Chrysene	BQL	374	ug/kg	U	1

Summary of Analytical Results

Client ID AA0441
GPL ID: 9141-003-05-1
Matrix: Soil
Date Collected: Sep-22-2000
Date Received: Sep-23-2000

Prep Method: SW3550
Prep Date: Sep-27-2000
Prep Time: 00:00
Prep Chemist: Rekha Patel

Analytical Method: SW8270CTCL
Date Analyzed: Oct-11-2000
Time Analyzed 01:43
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	374	ug/kg	U	1
Dibenzofuran	BQL	374	ug/kg	U	1
Diethyl Phthalate	BQL	374	ug/kg	U	1
Dimethyl Phthalate	BQL	374	ug/kg	U	1
Fluoranthene	BQL	374	ug/kg	U	1
Fluorene	BQL	374	ug/kg	U	1
Hexachlorobenzene	BQL	374	ug/kg	U	1
Hexachlorobutadiene	BQL	374	ug/kg	U	1
Hexachlorocyclopentadiene	BQL	374	ug/kg	U	1
Hexachloroethane	BQL	374	ug/kg	U	1
Indeno(1,2,3-c,d)Pyrene	BQL	374	ug/kg	U	1
Isophorone	BQL	374	ug/kg	U	1
Naphthalene	BQL	374	ug/kg	U	1
Nitrobenzene	BQL	374	ug/kg	U	1
Pentachlorophenol	BQL	748	ug/kg	U	1
Phenanthrene	BQL	374	ug/kg	U	1
Phenol	BQL	374	ug/kg	U	1
Pyrene	BQL	374	ug/kg	U	1
bis(2-chloroethoxy) methane	BQL	374	ug/kg	U	1
bis(2-chloroethyl) ether	BQL	374	ug/kg	U	1
bis(2-ethylhexyl) phthalate	BQL	374	ug/kg	U	1
di-n-Butyl Phthalate	BQL	374	ug/kg	U	1
di-n-Octyl Phthalate	BQL	374	ug/kg	U	1
n-Nitrosodi-n-Propylamine	BQL	374	ug/kg	U	1
n-Nitrosodiphenylamine	BQL	374	ug/kg	U	1

Summary of Analytical Results

Client ID AA0442
GPL ID: 9141-006-05-1
Matrix: Soil
Date Collected: Sep-22-2000
Date Received: Sep-23-2000

Prep Method: SW3550
Prep Date: Sep-27-2000
Prep Time: 00:00
Prep Chemist: Rekha Patel

Analytical Method: SW8270CTCL
Date Analyzed: Oct-11-2000
Time Analyzed 11:08
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	353	ug/kg	U	1
1,2-Dichlorobenzene	BQL	353	ug/kg	U	1
1,3-Dichlorobenzene	BQL	353	ug/kg	U	1
1,4-Dichlorobenzene	BQL	353	ug/kg	U	1
2,2-Oxybis(1-Chloro)Propane	BQL	353	ug/kg	U	1
2,4,5-Trichlorophenol	BQL	353	ug/kg	U	1
2,4,6-Trichlorophenol	BQL	353	ug/kg	U	1
2,4-Dichlorophenol	BQL	353	ug/kg	U	1
2,4-Dimethylphenol	BQL	353	ug/kg	U	1
2,4-Dinitrophenol	BQL	706	ug/kg	U	1
2,4-Dinitrotoluene	BQL	353	ug/kg	U	1
2,6-Dinitrotoluene	BQL	353	ug/kg	U	1
2-Chloronaphthalene	BQL	353	ug/kg	U	1
2-Chlorophenol	BQL	353	ug/kg	U	1
2-Methylnaphthalene	BQL	353	ug/kg	U	1
2-Nitroaniline	BQL	353	ug/kg	U	1
2-Nitrophenol	BQL	353	ug/kg	U	1
2-methylphenol	BQL	353	ug/kg	U	1
3,3-Dichlorobenzidine	BQL	706	ug/kg	U	1
3-Nitroaniline	BQL	353	ug/kg	U	1
4,6-dinitro-2-methyl phenol	BQL	706	ug/kg	U	1
4-Bromophenyl-phenylether	BQL	353	ug/kg	U	1
4-Chloroaniline	BQL	353	ug/kg	U	1
4-Chlorophenyl Phenyl Ether	BQL	353	ug/kg	U	1
4-Nitroaniline	BQL	353	ug/kg	U	1
4-Nitrophenol	BQL	706	ug/kg	U	1
4-chloro-3-methylphenol	BQL	353	ug/kg	U	1
4-methylphenol	BQL	353	ug/kg	U	1
Acenaphthene	BQL	353	ug/kg	U	1
Acenaphthylene	BQL	353	ug/kg	U	1
Anthracene	BQL	353	ug/kg	U	1
Benzo(a)anthracene	BQL	353	ug/kg	U	1
Benzo(a)pyrene	BQL	353	ug/kg	U	1
Benzo(b)fluoranthene	BQL	353	ug/kg	U	1
Benzo(g,h,i)perylene	BQL	353	ug/kg	U	1
Benzo(k)fluoranthene	BQL	353	ug/kg	U	1
Benzyl Butyl Phthalate	BQL	353	ug/kg	U	1
Carbazole	BQL	353	ug/kg	U	1
Chrysene	BQL	353	ug/kg	U	1

Summary of Analytical Results

Client ID AA0442
GPL ID: 9141-006-05-1
Matrix: Soil
Date Collected: Sep-22-2000
Date Received: Sep-23-2000

Prep Method: SW3550
Prep Date: Sep-27-2000
Prep Time: 00:00
Prep Chemist: Rekha Patel

Analytical Method: SW8270CTCL
Date Analyzed: Oct-11-2000
Time Analyzed 11:08
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	353	ug/kg	U	1
Dibenzofuran	BQL	353	ug/kg	U	1
Diethyl Phthalate	BQL	353	ug/kg	U	1
Dimethyl Phthalate	BQL	353	ug/kg	U	1
Fluoranthene	BQL	353	ug/kg	U	1
Fluorene	BQL	353	ug/kg	U	1
Hexachlorobenzene	BQL	353	ug/kg	U	1
Hexachlorobutadiene	BQL	353	ug/kg	U	1
Hexachlorocyclopentadiene	BQL	353	ug/kg	U	1
Hexachloroethane	BQL	353	ug/kg	U	1
Indeno(1,2,3-c,d)Pyrene	BQL	353	ug/kg	U	1
Isophorone	BQL	353	ug/kg	U	1
Naphthalene	BQL	353	ug/kg	U	1
Nitrobenzene	BQL	353	ug/kg	U	1
Pentachlorophenol	BQL	706	ug/kg	U	1
Phenanthrene	BQL	353	ug/kg	U	1
Phenol	BQL	353	ug/kg	U	1
Pyrene	BQL	353	ug/kg	U	1
bis(2-chloroethoxy) methane	BQL	353	ug/kg	U	1
bis(2-chloroethyl) ether	BQL	353	ug/kg	U	1
bis(2-ethylhexyl) phthalate	BQL	353	ug/kg	U	1
di-n-Butyl Phthalate	BQL	353	ug/kg	U	1
di-n-Octyl Phthalate	BQL	353	ug/kg	U	1
n-Nitrosodi-n-Propylamine	BQL	353	ug/kg	U	1
n-Nitrosodiphenylamine	BQL	353	ug/kg	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AA0443
GPL ID: 9141-007-05-1
Matrix: Soil
Date Collected: Sep-22-2000
Date Received: Sep-23-2000

Prep Method: SW3550
Prep Date: Sep-27-2000
Prep Time: 00:00
Prep Chemist: Rekha Patel

Analytical Method: SW8270CTCL
Date Analyzed: Oct-11-2000
Time Analyzed 11:45
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	351	ug/kg	U	1
1,2-Dichlorobenzene	BQL	351	ug/kg	U	1
1,3-Dichlorobenzene	BQL	351	ug/kg	U	1
1,4-Dichlorobenzene	BQL	351	ug/kg	U	1
2,2-Oxybis(1-Chloro)Propane	BQL	351	ug/kg	U	1
2,4,5-Trichlorophenol	BQL	351	ug/kg	U	1
2,4,6-Trichlorophenol	BQL	351	ug/kg	U	1
2,4-Dichlorophenol	BQL	351	ug/kg	U	1
2,4-Dimethylphenol	BQL	351	ug/kg	U	1
2,4-Dinitrophenol	BQL	702	ug/kg	U	1
2,4-Dinitrotoluene	BQL	351	ug/kg	U	1
2,6-Dinitrotoluene	BQL	351	ug/kg	U	1
2-Chloronaphthalene	BQL	351	ug/kg	U	1
2-Chlorophenol	BQL	351	ug/kg	U	1
2-Methylnaphthalene	BQL	351	ug/kg	U	1
2-Nitroaniline	BQL	351	ug/kg	U	1
2-Nitrophenol	BQL	351	ug/kg	U	1
2-methylphenol	BQL	351	ug/kg	U	1
3,3-Dichlorobenzidine	BQL	702	ug/kg	U	1
3-Nitroaniline	BQL	351	ug/kg	U	1
4,6-dinitro-2-methyl phenol	BQL	702	ug/kg	U	1
4-Bromophenyl-phenylether	BQL	351	ug/kg	U	1
4-Chloroaniline	BQL	351	ug/kg	U	1
4-Chlorophenyl Phenyl Ether	BQL	351	ug/kg	U	1
4-Nitroaniline	BQL	351	ug/kg	U	1
4-Nitrophenol	BQL	702	ug/kg	U	1
4-chloro-3-methylphenol	BQL	351	ug/kg	U	1
4-methylphenol	BQL	351	ug/kg	U	1
Acenaphthene	BQL	351	ug/kg	U	1
Acenaphthylene	BQL	351	ug/kg	U	1
Anthracene	BQL	351	ug/kg	U	1
Benzo(a)anthracene	BQL	351	ug/kg	U	1
Benzo(a)pyrene	BQL	351	ug/kg	U	1
Benzo(b)fluoranthene	BQL	351	ug/kg	U	1
Benzo(g,h,i)perylene	BQL	351	ug/kg	U	1
Benzo(k)fluoranthene	BQL	351	ug/kg	U	1
Benzyl Butyl Phthalate	BQL	351	ug/kg	U	1
Carbazole	BQL	351	ug/kg	U	1
Chrysene	BQL	351	ug/kg	U	1

Summary of Analytical Results

Client ID AA0443
GPL ID: 9141-007-05-1
Matrix: Soil
Date Collected: Sep-22-2000
Date Received: Sep-23-2000

Prep Method: SW3550
Prep Date: Sep-27-2000
Prep Time: 00:00
Prep Chemist: Rekha Patel

Analytical Method: SW8270CTCL
Date Analyzed: Oct-11-2000
Time Analyzed 11:45
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	351	ug/kg	U	1
Dibenzofuran	BQL	351	ug/kg	U	1
Diethyl Phthalate	BQL	351	ug/kg	U	1
Dimethyl Phthalate	BQL	351	ug/kg	U	1
Fluoranthene	BQL	351	ug/kg	U	1
Fluorene	BQL	351	ug/kg	U	1
Hexachlorobenzene	BQL	351	ug/kg	U	1
Hexachlorobutadiene	BQL	351	ug/kg	U	1
Hexachlorocyclopentadiene	BQL	351	ug/kg	U	1
Hexachloroethane	BQL	351	ug/kg	U	1
Indeno(1,2,3-c,d)Pyrene	BQL	351	ug/kg	U	1
Isophorone	BQL	351	ug/kg	U	1
Naphthalene	BQL	351	ug/kg	U	1
Nitrobenzene	BQL	351	ug/kg	U	1
Pentachlorophenol	BQL	702	ug/kg	U	1
Phenanthrene	BQL	351	ug/kg	U	1
Phenol	BQL	351	ug/kg	U	1
Pyrene	BQL	351	ug/kg	U	1
bis(2-chloroethoxy) methane	BQL	351	ug/kg	U	1
bis(2-chloroethyl) ether	BQL	351	ug/kg	U	1
bis(2-ethylhexyl) phthalate	BQL	351	ug/kg	U	1
di-n-Butyl Phthalate	BQL	351	ug/kg	U	1
di-n-Octyl Phthalate	BQL	351	ug/kg	U	1
n-Nitrosodi-n-Propylamine	BQL	351	ug/kg	U	1
n-Nitrosodiphenylamine	BQL	351	ug/kg	U	1

2D
SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBROOK

Lab Code: GPL Case No.: N/A SAS No.: N/A SDG No.: N/A

Level: (low/med) LOW

	Client SAMPLE NO.	S1 (2FP) #	S2 (PHL) #	S3 (NBZ) #	S4 (FBP) #	S5 (TBP) #	S6 (TPH) #	TOT OUT
01	SBLKA	78	80	89	84	95	91	0
02	LCSA	79	83	93	92	108	78	0

				QC LIMITS
S1	(2FP)	=	2-Fluorophenol	(52-150)
S2	(PHL)	=	Phenol-d5	(20-150)
S3	(NBZ)	=	Nitrobenzene-d5	(26-150)
S4	(FBP)	=	2-Fluorobiphenyl	(41-128)
S5	(TBP)	=	2,4,6 Tribromophenol	(20-150)
S6	(TPH)	=	Terphenyl-d14	(52-110)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogate diluted out

2D
SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBROOK

Lab Code: GPL Case No.: N/A SAS No.: N/A SDG No.: N/A

Level: (low/med) LOW

	Client SAMPLE NO.	S1 (2FP) #	S2 (PHL) #	S3 (NBZ) #	S4 (FBP) #	S5 (TBP) #	S6 (TPH) #	TOT OUT
01	AA0437	58	60	60	61	80	70	0
02	AA0441	58	63	60	65	89	79	0
03	AA0441MS	59	67	61	74	101	79	0
04	AA0441MSD	58	67	62	72	105	80	0
05	AA0438	62	64	66	68	88	84	0
06	AA0442	56	58	59	57	74	68	0
07	AA0443	62	65	67	65	90	78	0

				QC LIMITS
S1	(2FP)	=	2-Fluorophenol	(52-150)
S2	(PHL)	=	Phenol-d5	(20-150)
S3	(NBZ)	=	Nitrobenzene-d5	(26-150)
S4	(FBP)	=	2-Fluorobiphenyl	(41-128)
S5	(TBP)	=	2,4,6-Tribromophenol	(20-150)
S6	(TPH)	=	Terphenyl-d14	(52-110)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogate diluted out

3D

SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBROOK

Lab Code: GPL Case No.: N/A SAS No.: N/A SDG No.: N/A

Matrix Spike - EPA Sample No.: AA0441 Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC LIMITS REC.
Phenol	3700	0.0	2800	76	75 - 150
2-Chlorophenol	3700	0.0	2300	62	31 - 129
1,4-Dichlorobenzene	3700	0.0	2200	59	25 - 122
N-Nitroso-di-n-propylamine	3700	0.0	2700	73	20 - 150
1,2,4-Trichlorobenzene	3700	0.0	2300	62	51 - 120
4-Chloro-3-methylphenol	3700	0.0	3100	84	34 - 125
Acenaphthene	3700	0.0	2600	70	46 - 135
2,4-Dinitrotoluene	3700	0.0	3200	86	38 - 137
4-Nitrophenol	3700	0.0	2800	76	20 - 150
Pentachlorophenol	3700	0.0	2500	68	32 - 137
Pyrene	3700	0.0	2500	68	24 - 144

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Phenol	3700	2800	76	0	35	75 - 150
2-Chlorophenol	3700	2300	62	0	50	31 - 129
1,4-Dichlorobenzene	3700	2200	59	0	27	25 - 122
N-Nitroso-di-n-propylamine	3700	2600	70	4	38	20 - 150
1,2,4-Trichlorobenzene	3700	2400	65	5	23	51 - 120
4-Chloro-3-methylphenol	3700	3200	86	2	33	34 - 125
Acenaphthene	3700	2600	70	0	19	46 - 135
2,4-Dinitrotoluene	3700	3400	92	7	47	38 - 137
4-Nitrophenol	3700	2800	76	0	50	20 - 150
Pentachlorophenol	3700	2700	73	7	47	32 - 137
Pyrene	3700	2800	76	11	36	24 - 144

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 11 outside limits

Spike Recovery: 0 out of 22 outside limits

COMMENTS:

3F

SOIL LABORATORY CONTROL SPIKE RECOVERY

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBROOK

Lab Code: GPL SDG No.: N/A

EPA Sample No.: LCSA CLIENT ID: SBLK-6994MS

DATE EXTRACTED: 9/27/00 WORK ORDER NO: 00-09-141

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	INTERNAL QC LIMITS
Phenol	3300	3200	97	47-111
2-Chlorophenol	3300	2700	82	52-124
1,4-Dichlorobenzene	3300	2700	82	52-112
N-Nitroso-Di-n-Propylamine	3300	3000	91	70-150
1,2,4-Trichlorobenzene	3300	2600	79	63-112
4-Chloro-3-methylphenol	3300	3100	94	63-125
Acenaphthene	3300	2900	88	45-104
2,4-Dinitrotoluene	3300	3600	109	56-133
4-Nitrophenol	3300	3400	103	44-150
Pentachlorophenol	3300	2600	79	27-142
Pyrene	3300	2100	64	56-106

*Values outside internal limits

COMMENTS:

FORM III BNA-LCS 8270C

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLKA

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBRO

Lab Code: GPL Case No.: N/A SAS No.: N/A SDG No.: N/A

Lab File ID: P09110.D Lab Sample ID: SBLK-6994

Instrument ID: HP#P Date Extracted: 09/27/00

Matrix: (soil/water) SOIL Date Analyzed: 10/09/00

Level: (low/med) LOW Time Analyzed: 14:40

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	Client SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	LCSA	SBLK-6994MS	P09111.D	10/09/00
02	AA0437	9141-001-05-1	P09152.D	10/11/00
03	AA0441	9141-003-05-1	P09153.D	10/11/00
04	AA0441MS	9141-003-05-1S	P09154.D	10/11/00
05	AA0441MSD	9141-003-05-1SD	P09155.D	10/11/00
06	AA0438	9141-002-05-1	P09156.D	10/11/00
07	AA0442	9141-006-05-1	P09163.D	10/11/00
08	AA0443	9141-007-05-1	P09164.D	10/11/00

COMMENTS:

Summary of Analytical Results

Client ID AA0437
GPL ID: 9141-001-05-1
Matrix: Soil
Date Collected: Sep-22-2000
Date Received: Sep-23-2000

Prep Method: EXT_SW8330
Prep Date: Sep-27-2000
Prep Time: 00:00
Prep Chemist: Rekha Patel

Analytical Method: SW8330
Date Analyzed: Oct-07-2000
Time Analyzed 08:57
Analyst: Dayuan Han

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	BQL	100	ug/kg	U	1
1,3-Dinitrobenzene	BQL	100	ug/kg	U	1
2,4,6-Trinitrotoluene	BQL	100	ug/kg	U	1
2,4-Dinitrotoluene	BQL	100	ug/kg	U	1
2,6-Dinitrotoluene	BQL	100	ug/kg	U	1
2-Amino-4,6-Dinitrotoluene	BQL	100	ug/kg	U	1
4-Amino-2,6-Dinitrotoluene	BQL	100	ug/kg	U	1
HMX	BQL	200	ug/kg	U	1
Nitrobenzene	BQL	100	ug/kg	U	1
RDX	BQL	200	ug/kg	U	1
Tetryl	BQL	200	ug/kg	U	1
m-Nitrotoluene	BQL	200	ug/kg	U	1
o-Nitrotoluene	BQL	200	ug/kg	U	1
p-Nitrotoluene	BQL	200	ug/kg	U	1

Summary of Analytical Results

Client ID AA0438
GPL ID: 9141-002-05-1
Matrix: Soil
Date Collected: Sep-22-2000
Date Received: Sep-23-2000

Prep Method: EXT_SW8330
Prep Date: Sep-27-2000
Prep Time: 00:00
Prep Chemist: Rekha Patel

Analytical Method: SW8330
Date Analyzed: Oct-07-2000
Time Analyzed 09:25
Analyst: Dayuan Han

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	BQL	87	ug/kg	U	1
1,3-Dinitrobenzene	BQL	87	ug/kg	U	1
2,4,6-Trinitrotoluene	BQL	87	ug/kg	U	1
2,4-Dinitrotoluene	BQL	87	ug/kg	U	1
2,6-Dinitrotoluene	BQL	87	ug/kg	U	1
2-Amino-4,6-Dinitrotoluene	BQL	87	ug/kg	U	1
4-Amino-2,6-Dinitrotoluene	BQL	87	ug/kg	U	1
HMX	BQL	174	ug/kg	U	1
Nitrobenzene	BQL	87	ug/kg	U	1
RDX	BQL	174	ug/kg	U	1
Tetryl	BQL	174	ug/kg	U	1
m-Nitrotoluene	BQL	174	ug/kg	U	1
o-Nitrotoluene	BQL	174	ug/kg	U	1
p-Nitrotoluene	BQL	174	ug/kg	U	1

Summary of Analytical Results

Client ID AA0441
GPL ID: 9141-003-05-1
Matrix: Soil
Date Collected: Sep-22-2000
Date Received: Sep-23-2000

Prep Method: EXT_SW8330
Prep Date: Sep-27-2000
Prep Time: 00:00
Prep Chemist: Rekha Patel

Analytical Method: SW8330
Date Analyzed: Oct-07-2000
Time Analyzed 09:54
Analyst: Dayuan Han

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	BQL	100	ug/kg	U	1
1,3-Dinitrobenzene	BQL	100	ug/kg	U	1
2,4,6-Trinitrotoluene	BQL	100	ug/kg	U	1
2,4-Dinitrotoluene	BQL	100	ug/kg	U	1
2,6-Dinitrotoluene	BQL	100	ug/kg	U	1
2-Amino-4,6-Dinitrotoluene	BQL	100	ug/kg	U	1
4-Amino-2,6-Dinitrotoluene	BQL	100	ug/kg	U	1
HMX	BQL	200	ug/kg	U	1
Nitrobenzene	BQL	100	ug/kg	U	1
RDX	BQL	200	ug/kg	U	1
Tetryl	BQL	200	ug/kg	U	1
m-Nitrotoluene	BQL	200	ug/kg	U	1
o-Nitrotoluene	BQL	200	ug/kg	U	1
p-Nitrotoluene	BQL	200	ug/kg	U	1

Summary of Analytical Results

Client ID AA0442
GPL ID: 9141-006-05-1
Matrix: Soil
Date Collected: Sep-22-2000
Date Received: Sep-23-2000

Prep Method: EXT_SW8330
Prep Date: Sep-27-2000
Prep Time: 00:00
Prep Chemist: Rekha Patel

Analytical Method: SW8330
Date Analyzed: Oct-07-2000
Time Analyzed 12:45
Analyst: Dayuan Han

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	BQL	95.2	ug/kg	U	1
1,3-Dinitrobenzene	BQL	95.2	ug/kg	U	1
2,4,6-Trinitrotoluene	BQL	95.2	ug/kg	U	1
2,4-Dinitrotoluene	BQL	95.2	ug/kg	U	1
2,6-Dinitrotoluene	BQL	95.2	ug/kg	U	1
2-Amino-4,6-Dinitrotoluene	BQL	95.2	ug/kg	U	1
4-Amino-2,6-Dinitrotoluene	BQL	95.2	ug/kg	U	1
HMX	BQL	190	ug/kg	U	1
Nitrobenzene	BQL	95.2	ug/kg	U	1
RDX	BQL	190	ug/kg	U	1
Tetryl	BQL	190	ug/kg	U	1
m-Nitrotoluene	BQL	190	ug/kg	U	1
o-Nitrotoluene	BQL	190	ug/kg	U	1
p-Nitrotoluene	BQL	190	ug/kg	U	1

Summary of Analytical Results

Client ID AA0443
GPL ID: 9141-007-05-1
Matrix: Soil
Date Collected: Sep-22-2000
Date Received: Sep-23-2000

Prep Method: EXT_SW8330
Prep Date: Sep-27-2000
Prep Time: 00:00
Prep Chemist: Rekha Patel

Analytical Method: SW8330
Date Analyzed: Oct-07-2000
Time Analyzed 13:14
Analyst: Dayuan Han

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	BQL	90.9	ug/kg	U	1
1,3-Dinitrobenzene	BQL	90.9	ug/kg	U	1
2,4,6-Trinitrotoluene	BQL	90.9	ug/kg	U	1
2,4-Dinitrotoluene	BQL	90.9	ug/kg	U	1
2,6-Dinitrotoluene	BQL	90.9	ug/kg	U	1
2-Amino-4,6-Dinitrotoluene	BQL	90.9	ug/kg	U	1
4-Amino-2,6-Dinitrotoluene	BQL	90.9	ug/kg	U	1
HMX	BQL	182	ug/kg	U	1
Nitrobenzene	BQL	90.9	ug/kg	U	1
RDX	BQL	182	ug/kg	U	1
Tetryl	BQL	182	ug/kg	U	1
m-Nitrotoluene	BQL	182	ug/kg	U	1
o-Nitrotoluene	BQL	182	ug/kg	U	1
p-Nitrotoluene	BQL	182	ug/kg	U	1

2D
SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBROOK

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Level: (low/med) LOW

	Client SAMPLE NO.	S1 #	TOT OUT
01	NBLKA	91	0
02	NLCSA	90	0
03	AA0437	82	0
04	AA0438	82	0
05	AA0441	83	0
06	AA0441 MS	93	0
07	AA0441 MSD	89	0
08	AA0442	81	0
09	AA0443	57	0

			QC LIMITS
S1	=	4-NITROANILINE	(24-140)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogate diluted out

3D

SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBROOK

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Matrix Spike - EPA Sample No.: AA0441 Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC LIMITS REC.
HMX	3000	0.0	2800	93	70 - 113
1,3,5-TRINITROBENZENE	3000	0.0	1600	53	20 - 150
TETRYL	3000	0.0	2600	87	20 - 103
2,4,6-TRINITROTOLUENE	1500	0.0	1800	120	46 - 150
4-AMINO-2,6-DINITROTOLU	1500	0.0	1800	120	39 - 136
4-NITROTOLUENE	3000	0.0	3000	100	72 - 114
RDX	3000	0.0	2800	93	70 - 124
1,3-DINITROBENZENE	1500	0.0	1500	100	70 - 127
NITROBENZENE	1500	0.0	1500	100	70 - 120
2-AMINO-4,6-DINITROTOLU	1500	0.0	1800	120	43 - 150
2,4-DINITROTOLUENE	3000	0.0	2100	70	56 - 100
2-NITROTOLUENE	3000	0.0	2900	97	70 - 116
3-NITROTOLUENE	3000	0.0	2900	97	70 - 109

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
HMX	3000	2700	90	3	25	70 - 113
1,3,5-TRINITROBENZENE	3000	1600	53	0	25	20 - 150
TETRYL	3000	2600	87	0	25	20 - 103
2,4,6-TRINITROTOLUENE	1500	1800	120	0	25	46 - 150
4-AMINO-2,6-DINITROTOLU	1500	1500	100	18	25	39 - 136
4-NITROTOLUENE	3000	2900	97	3	25	72 - 114
RDX	3000	2800	93	0	25	70 - 124
1,3-DINITROBENZENE	1500	1500	100	0	25	70 - 127
NITROBENZENE	1500	1400	93	7	25	70 - 120
2-AMINO-4,6-DINITROTOLU	1500	1900	127	6	25	43 - 150
2,4-DINITROTOLUENE	3000	2200	73	4	25	56 - 100
2-NITROTOLUENE	3000	2900	97	0	25	70 - 116

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 13 outside limits

Spike Recovery: 0 out of 26 outside limits

COMMENTS:

3D

SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBROOK

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Matrix Spike - EPA Sample No.: AA0441 Level: (low/med) LOW

3-NITROTOLUENE	3000	2900	97	0	25	70- 109

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 0 outside limits

Spike Recovery: 0 out of 0 outside limits

COMMENTS: _____

3F

SOIL LABORATORY CONTROL SPIKE RECOVERY

Lab Name: GPL Laboratories Contract: IT_PLUMBROOK

Lab Code: GPLL Case No.: N/A SAS No. N/A SDG No. N/A

EPA Sample No.: NLCSA GP ID: NBLK-6991-MS

COMPOUND	SPIKE ADDED (ug/kg)	LCS CONCENTRATION (ug/kg)	LCS % REC	QC LIMITS
HMX	3000	2717	91	70-114
1,3,5-TNB	1500	1528	102	70-118
TETRYL	3000	2041	68	26-100
TNT	1500	1815	121	70-150
4-AMINO-2,6-DNT	1500	1447	96	60-112
4-NITROTOLUENE	3000	2965	99	70-119
RDX	3000	2783	93	70-118
1,3-DINITROBENZENE	1500	1477	98	70-118
NITROBENZENE	1500	1462	97	70-121
2-AMINO-4,6-DNT	1500	1329	89	69-146
2,4-DNT	3000	2126	71	64-100
2-NITROTOLUENE	3000	2714	90	70-122
3-NITROTOLUENE	3000	2914	97	70-111

* OUTSIDE QC LIMIT

COMMENTS:

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

NBLKA

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBRO

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Lab File ID: LCA2390.D Lab Sample ID: NBLK 6991

Instrument ID: LCA Date Extracted: 09/27/00

Matrix: (soil/water) SOIL Date Analyzed: 10/06/00

Level: (low/med) LOW Time Analyzed: 18:13

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	Client SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	NLCSA	NBLK 6991 MS	LCA2391.D	10/06/00
02	AA0437	9141-001	LCA2421.D	10/07/00
03	AA0438	9141-002	LCA2422.D	10/07/00
04	AA0441	9141-003	LCA2423.D	10/07/00
05	AA0441 MS	9141-003 MS	LCA2425.D	10/07/00
06	AA0441 MSD	9141-003 MSD	LCA2426.D	10/07/00
07	AA0442	9141-006	LCA2429.D	10/07/00
08	AA0443	9141-007	LCA2430.D	10/07/00

COMMENTS:

GPL LABORATORIES, LLLP

Possible notes and definitions for this report:

BQL	= Below Quantitation Limit
J	= Value is less than the reporting limits but greater than the MDL
P	= Indicates that there is greater than 25% difference for detected pesticide/Aroclor results between the two GC columns
B	= Indicates that the compound was found in the associated blank
E	= Indicates that the concentration exceeded the calibration range of the instrument
U	= Indicates that the compound was analyzed for but not detected, number indicates the reporting limit
D	= Indicates that the compound was found in an analysis at a secondary dilution factor
*****	= Value obtained from a 1:5 dilution
+	= Value obtained from a 1:10 dilution
#	= Value obtained from a 1:20 dilution
=	= Value obtained from a 1:25 dilution
^	= Value obtained from a 1:50 dilution
~	= Value obtained from a 1:100 dilution
!	= Value obtained from a 1:250 dilution
@	= Value obtained from a 1:125 dilution (medium level)
$	= Value obtained from a 1:500 dilution
&	= Value obtained from a 1:1000 dilution
N	= Flashpoint not observed; heated to specified limit
R	= Flammable at room temperature
TNTC	= Too numerous to count
B.P.	= Detection limit taken from boiling point
F.F.	= Sample gave off flammable fumes

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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 09222000-GPL

Project Number: 807112
Samples Shipment Date: 22 SEP 2000
Project Name: PLUM BROOK ORDNANCE WKS
ab Destination: GPL Labotatories
Sample Coordinator: Maureen McMyler
Lab Contact: Bill Lock
Turnaround Time:
Project Contact: Maureen McMyler
Carrier/Waybill No.: Fed Ex/8212 2620 3331

Bill To: Accounts Receivable
312 Directors Drive
Knoxville TN 37923

Report To: Maureen McMyler
312 Directors Drive
Knoxville TN 37923

Special Instructions: 48 HR HOLD TIME ON ENCORE SAMPLES

Possible Hazard Indentification:

Non-hazard | Flammable | Skin Irritant | Poison B | Unknown X

1. Relinquished By (Signature/Affiliation) Chris Fuelm — Date: 9/22/00 Time: 18:00
2. Relinquished By (Signature/Affiliation) — Date: Time:
3. Relinquished By (Signature/Affiliation) — Date: Time:

Sample Disposal:

Return to Client | Disposal by Lab X | Archive (mos.)

1. Received By (Signature/Affiliation) — Date: Time:
2. Received By (Signature/Affiliation) — Date: Time:
3. Received By (Signature/Affiliation) — Date: 09/23/00 Time: 10:00 AM

Comments:

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
AA0342	PBOW-00-SS-TNTA-SO342-AA0342-(00-01)	22 SEP 2000	12:30	4 oz CWM	1	None except cool to 4 C	Nitroaromatics by HPLC screen	N		
AA0343	PBOW-00-SS-TNTA-SO343-AA0343-(00-01)	22 SEP 2000	08:05	4 oz CWM	1	None except cool to 4 C	Nitroaromatics by HPLC screen	N		
AA0344	PBOW-00-SS-TNTA-SO344-AA0344-(00-01)	22 SEP 2000	08:10	4 oz CWM	1	None except cool to 4 C	Nitroaromatics by HPLC screen	N		
AA0345	PBOW-00-SS-TNTA-SO345-AA0345-(00-01)	22 SEP 2000	10:30	4 oz CWM	1	None except cool to 4 C	Nitroaromatics by HPLC screen	N		
AA0346	PBOW-00-SS-TNTA-SO346-AA0346-(00-01)	22 SEP 2000	10:40	4 oz CWM	1	None except cool to 4 C	Nitroaromatics by HPLC screen	N		
AA0347	PBOW-00-SS-TNTA-SO347-AA0347-(00-01)	22 SEP 2000	08:30	4 oz CWM	1	None except cool to 4 C	Nitroaromatics by HPLC screen	N		
AA0348	PBOW-00-SS-TNTA-SO348-AA0348-(00-01)	22 SEP 2000	08:40	4 oz CWM	1	None except cool to 4 C	Nitroaromatics by HPLC screen	N		
AA0349	PBOW-00-SS-TNTA-SO349-AA0349-(00-01)	22 SEP 2000	10:50	4 oz CWM	1	None except cool to 4 C	Nitroaromatics by HPLC screen	N		

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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 09222000-GPL

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
AA0350	PBOW-00-SS-TNTA-SO350-AA0350-(00-01)	22 SEP 2000	09:00	4 oz CWM	1	None except cool to 4 C	Nitroaromatics by HPLC screen	N		
AA0351	PBOW-00-SS-TNTA-SO351-AA0351-(00-01)	22 SEP 2000	09:05	4 oz CWM	1	None except cool to 4 C	Nitroaromatics by HPLC screen	N		
AA0352	PBOW-00-SS-TNTA-SO352-AA0352-(00-01)	22 SEP 2000	09:10	4 oz CWM	1	None except cool to 4 C	Nitroaromatics by HPLC screen	N		
AA0353	PBOW-00-SS-TNTA-SO353-AA0353-(00-01)	22 SEP 2000	11:05	4 oz CWM	1	None except cool to 4 C	Nitroaromatics by HPLC screen	N		
AA0354	PBOW-00-SS-TNTA-SO354-AA0354-(00-01)	22 SEP 2000	11:30	4 oz CWM	1	None except cool to 4 C	Nitroaromatics by HPLC screen	N		
AA0355	PBOW-00-SS-TNTA-SO355-AA0355-(00-01)	22 SEP 2000	11:35	4 oz CWM	1	None except cool to 4 C	Nitroaromatics by HPLC screen	N		
AA0356	PBOW-00-SS-TNTA-SO356-AA0356-(00-01)	22 SEP 2000	11:40	4 oz CWM	1	None except cool to 4 C	Nitroaromatics by HPLC screen	N		
AA0357	PBOW-00-SS-TNTA-SO357-AA0357-(00-01)	22 SEP 2000	11:45	4 oz CWM	1	None except cool to 4 C	Nitroaromatics by HPLC screen	N		
AA0358	PBOW-00-SS-TNTA-SO358-AA0358-(00-01)	22 SEP 2000	11:50	4 oz CWM	1	None except cool to 4 C	Nitroaromatics by HPLC screen	N		
AA0359	PBOW-00-SS-TNTA-SO359-AA0359-(00-01)	22 SEP 2000	11:55	4 oz CWM	1	None except cool to 4 C	Nitroaromatics by HPLC screen	N		
AA0405	PBOW-00-TNTA-SO405-AA0405-0000	21 SEP 2000	14:00	4 oz CWM	1		Nitroaromatics by HPLC screen	N		
AA0406	PBOW-00-TNTA-SO406-AA0406-0000	21 SEP 2000	14:20	4 oz CWM	1		Nitroaromatics by HPLC screen	N		
AA0407	PBOW-00-TNTA-SO407-AA0407-0000	21 SEP 2000	15:50	4 oz CWM	1		Nitroaromatics by HPLC screen	N		
AA0408	PBOW-00-TNTA-SO408-AA0408-0000	21 SEP 2000	15:55	4 oz CWM	1		Nitroaromatics by HPLC screen	N		
AA0409	PBOW-00-TNTA-SO409-AA0409-0000	21 SEP 2000	16:00	4 oz CWM	1		Nitroaromatics by HPLC screen	N		
AA0410	PBOW-00-TNTA-SO410-AA0410-0000	21 SEP 2000	16:30	4 oz CWM	1		Nitroaromatics by HPLC screen	N		
AA0411	PBOW-00-TNTA-SO411-AA0411-0000	21 SEP 2000	16:35	4 oz CWM	1		Nitroaromatics by HPLC screen	N		
AA0412	PBOW-00-TNTA-SO412-AA0412-0000	22 SEP 2000	09:25	4 oz CWM	1		Nitroaromatics by HPLC screen	N		
AA0413	PBOW-00-TNTA-SO413-AA0413-0000	21 SEP 2000	15:00	4 oz CWM	1		Nitroaromatics by HPLC screen	N		
AA0414	PBOW-00-TNTA-SO414-AA0414-0000	21 SEP 2000	15:15	4 oz CWM	1		Nitroaromatics by HPLC screen	N		
AA0415	PBOW-00-TNTA-SO415-AA0415-0000	21 SEP 2000	15:20	4 oz CWM	1		Nitroaromatics by HPLC screen	N		
AA0416	PBOW-00-TNTA-SO416-AA0416-0000	21 SEP 2000	15:35	4 oz CWM	1		Nitroaromatics by HPLC screen	N		
AA0417	PBOW-00-TNTA-SO417-AA0417-0000	21 SEP 2000	15:30	4 oz CWM	1		Nitroaromatics by HPLC screen	N		
AA0418	PBOW-00-TNTA-SO418-AA0418-0000	22 SEP 2000	10:55	4 oz CWM	1		Nitroaromatics by HPLC screen	N		
AA0419	PBOW-00-TNTA-SO419-AA0419-0000	21 SEP 2000	16:55	4 oz CWM	1		Nitroaromatics by HPLC screen	N		
AA0420	PBOW-00-TNTA-SO420-AA0420-0000	22 SEP 2000	11:00	4 oz CWM	1		Nitroaromatics by HPLC screen	N		
AA0421	PBOW-00-TNTA-SO421-AA0421-0000	21 SEP 2000	17:05	4 oz CWM	1		Nitroaromatics by HPLC screen	N		
AA0422	PBOW-00-TNTA-SO422-AA0422-0000	21 SEP 2000	17:10	4 oz CWM	1		Nitroaromatics by HPLC screen	N		
AA0423	PBOW-00-TNTA-SO423-AA0423-0000	21 SEP 2000	17:15	4 oz CWM	1		Nitroaromatics by HPLC screen	N		
AA0424	PBOW-00-TNTA-SO424-AA0424-0000	22 SEP 2000	11:00	4 oz CWM	1		Nitroaromatics by HPLC screen	N		
AA0437	PBOW-00-SO-TNTA-SO094-AA0437-(02-03)	22 SEP 2000	17:20	5 oz ENCORE	3	None except cool to 4 C	TCL Volatiles by SW-846 8260B	N		
AA0437	PBOW-00-SO-TNTA-SO094-AA0437-(02-03)	22 SEP 2000	17:20	8 oz CWM	1	None except cool to 4 C	PCBs by SW-846 8082, TCL Semivolatiles by SW-846 8270C	N		
AA0437	PBOW-00-SO-TNTA-SO094-AA0437-(02-03)	22 SEP 2000	17:20	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by SW-846 8330, TAL Metals by SW-846 6010B/7471A in soil	N		

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IT CORPORATION
A Member of The IT Group

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 09222000-GPL

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
AA0438	PBOW-00-SO-TNTA-SO094-AA0438-(02-03)	22 SEP 2000	17:20	5 oz ENCORE	3	None except cool to 4 C	TCL Volatiles by SW-846 8260B	N		
AA0438	PBOW-00-SO-TNTA-SO094-AA0438-(02-03)	22 SEP 2000	17:20	8 oz CWM	1	None except cool to 4 C	PCBs by SW-846 8082, TCL Semivolatiles by SW-846 8270C	N		
AA0438	PBOW-00-SO-TNTA-SO094-AA0438-(02-03)	22 SEP 2000	17:20	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by SW-846 8330, TAL Metals by SW-846 6010B/7471A in soil	N		
AA0441	PBOW-00-SO-TNTA-SO111-AA0441-(01-02)	22 SEP 2000	15:00	8 oz CWM	1	None except cool to 4 C	PCBs by SW-846 8082, TCL Semivolatiles by SW-846 8270C	N		
AA0441	PBOW-00-SO-TNTA-SO111-AA0441-(01-02)	22 SEP 2000	15:00	5 oz ENCORE	3	None except cool to 4 C	TCL Volatiles by SW-846 8260B	N		
AA0441	PBOW-00-SO-TNTA-SO111-AA0441-(01-02)	22 SEP 2000	15:00	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by SW-846 8330, TAL Metals by SW-846 6010B/7471A in soil	N		
AA0441-MS	PBOW-00-SO-TNTA-SO111-AA0441-MS-(01-02)	22 SEP 2000	15:00	5 oz ENCORE	3	None except cool to 4 C	TCL Volatiles by SW-846 8260B	N		
AA0441-MS	PBOW-00-SO-TNTA-SO111-AA0441-MS-(01-02)	22 SEP 2000	15:00	8 oz CWM	1	None except cool to 4 C	PCBs by SW-846 8082, TCL Semivolatiles by SW-846 8270C	N		
AA0441-MS	PBOW-00-SO-TNTA-SO111-AA0441-MS-(01-02)	22 SEP 2000	15:00	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by SW-846 8330, TAL Metals by SW-846 6010B/7471A in soil	N		
AA0441-MSD	PBOW-00-SO-TNTA-SO111-AA0441-MSD-(01-02)	22 SEP 2000	15:00	5 oz ENCORE	3	None except cool to 4 C	TCL Volatiles by SW-846 8260B	N		
AA0441-MSD	PBOW-00-SO-TNTA-SO111-AA0441-MSD-(01-02)	22 SEP 2000	15:00	8 oz CWM	1	None except cool to 4 C	PCBs by SW-846 8082, TCL Semivolatiles by SW-846 8270C	N		
AA0441-MSD	PBOW-00-SO-TNTA-SO111-AA0441-MSD-(01-02)	22 SEP 2000	15:00	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by SW-846 8330, TAL Metals by SW-846 6010B/7471A in soil	N		
AA0442	PBOW-00-SO-TNTA-SO123-AA0442-(02-03)	22 SEP 2000	16:30	5 oz ENCORE	3	None except cool to 4 C	TCL Volatiles by SW-846 8260B	N		
AA0442	PBOW-00-SO-TNTA-SO123-AA0442-(02-03)	22 SEP 2000	16:30	8 oz CWM	1	None except cool to 4 C	PCBs by SW-846 8082, TCL Semivolatiles by SW-846 8270C	N		
AA0442	PBOW-00-SO-TNTA-SO123-AA0442-(02-03)	22 SEP 2000	16:30	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by SW-846 8330, TAL Metals by SW-846 6010B/7471A in soil	N		
AA0443	PBOW-00-SO-TNTA-SO123-AA0443-(02-03)	22 SEP 2000	16:30	5 oz ENCORE	3	None except cool to 4 C	TCL Volatiles by SW-846 8260B	N		
AA0443	PBOW-00-SO-TNTA-SO123-AA0443-(02-03)	22 SEP 2000	16:30	8 oz CWM	1	None except cool to 4 C	PCBs by SW-846 8082, TCL Semivolatiles by SW-846 8270C	N		
AA0443	PBOW-00-SO-TNTA-SO123-AA0443-(02-03)	22 SEP 2000	16:30	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by SW-846 8330, TAL Metals by SW-846 6010B/7471A in soil	N		

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Figure 1
SAMPLE RECEIPT CHECKLIST

W.O. No: 9141

Client Name: IT Corporation

Date Received: 09/23/00

Time Received: 10:00 AM

Received By: CL/RC

Carrier Name: FedEx

Prepared (Logged In) By: SC 09/25/00 (Initials Date)

Project: Plum Brook

Site:

VOA Holding Blank I.D. No:

	YES	NO
Airbill/Manifest Present?	✓	
No. 8212226203331		
Shipping Container in Good Condition?	✓	
Custody Seals Present on Shipping Container?	✓	
Condition: Broken ____		
Intact-not dated or signed ____		
Intact-dated and signed ✓		
Usage of Tamper Evident Type	✓	
Chain-of-Custody Present?	✓	
Chain-of-Custody Agrees with Sample Labels?	✓	
Chain-of-Custody Signed?	✓	
Packing Present in Shipping Container?	✓	
Type of Packing Bubble wrap, Vermiculite 2 coolers		
Custody seals on Sample Bottles?		✓
Condition: Good ____ Broken ____		
Total Number of Sample Bottles ____		
Total Number of Samples 7		
Samples Intact?	✓	
Sufficient Sample Volume for Indicated Test?	✓	

	YES	NO
Trip Blanks: No. of Sets ____		✓
Field Blanks: No. of Sets ____		✓
Equip. Blank: No. of Sets ____		✓
Field Duplicate: No. of Sets ____		✓
MS/MSD: No of Sets 1	✓	
VOA Vials Have Zero Headspace?		✓
Preservatives Added to Sample?		✓
pH Check Required?	NR	
Performed By? ____		
Ice Present in Shipping Container?	✓	

Container #	Temp.	Container #	Temp.
#1	4.0°C		
#2	3.0°C		
#3	3.0°C		

Project Manager Contacted?
Name: Bill Lacy
Date Contacted: 9/25/00

Any NO response must be detailed in the comments section below. If items are not applicable to particular samples or contracts, they should be marked N/A/

COMMENTS:

Checklist Completed By: [signature]

Date: 09/25/00

Analytical Report For 9154

for

IT Corporation

Project Manager: Maureen McMyler

Project Name : Plumbrook Ordnance Works

October 30, 2000

GPL

Laboratories

Project Manager

Laboratory Director

202 Perry Parkway Gaithersburg, MD 20877 Phone (301) 926 6802 Fax: (301) 840) 1209
www.gplab.com

GPL

Laboratories

CASE NARRATIVE

CLIENT: IT CORPORATION
PROJECT/SITE: PLUMBROOK ORDNANCE WORKS
WORK ORDER(S): 9154
REVIEW DATE: 10/30/00

The Case Narrative, Chain of Custody, Sample Receipt Checklist, and the cover page of the Analytical Report, are integral parts of GPL Laboratories' report package. If you did not receive all of these documents, please contact GPL immediately.

Sample Receipt

Twenty soil samples were received on 09/26/2000. The samples were delivered by Fed Ex. The samples were received intact. Sample receipt conditions and temperatures are documented on the Sample Receipt Checklist.

Sample Analysis

Samples were prepared and analyzed by GPL using the analytical methodologies indicated on the Analytical Report of Analysis.

Volatile Analysis

1. Eighteen soil samples were analyzed for volatile organic using 8260B methodologies.

2. The matrix spike and matrix spike duplicate analyses were performed on sample AA0426. Percent RPD of 1,1-dichloroethene, toluene, and chlorobenzene were outside QC limits.

3. Four laboratory control sample (LCS) reports were submitted with this package.

4. Methylene chloride was present on BLK7029 at 7 ug/Kg.

Semivolatile Analysis

1. Seventeen soil samples were extracted using method 3550B. These samples were analyzed for semivolatile organic compounds using USEPA method 8270C.

2. Sample AA0426 was analyzed at a 1:200 and 1:4000 dilutions due to recovery of 2,6-Dinitrotoluene and 2,4-Dinitrotoluene outside calibration range. Samples AA0426MS and AA0426MSD were analyzed at a 1:200 dilution.

3. Sample AA0450 was analyzed at a 1:100 and 1:1000 dilutions due to recovery of 2,6-Dinitrotoluene and 2,4-Dinitrotoluene outside calibration range.

4. Matrix spike and duplicate analysis was performed on sample AA0426. Due to the dilution mentioned above spiked compounds were diluted out. A laboratory control spike was also performed with the batch.

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CASE NARRATIVE

CLIENT: IT CORPORATION
PROJECT/SITE: PLUMBROOK ORDNANCE WORKS
WORK ORDER(S): 9154
REVIEW DATE: 10/30/00

Pesticide/PCB/Herbicides

1. Seventeen soil samples were extracted and analyzed for PCB compounds using method 8082.

2. Matrix spike and MSD analysis was performed on sample AA0426. AR1016 recovery for AA0426 MS/ MSD was outside QC limits due to matrix interference. A laboratory control spike was performed with this batch.

3. Surrogate DCB are above QC limits for AA0447 and AA0432 DL on RTX-CLP2 and AA0426, AA0432 DL, AA042 and AA0447 on RTX-CLP column and surrogate TCX was outside QC limits for AA0426, AA0426 MS/MSD, AA0432 DL and AA0450 on both RTX-CLP and RTX-CLP2 due to matrix interference.

4. Concentrations reported on Form I are the higher values of results generated by two columns. However, the analyst based on the evaluation of quality control parameters determines the most reliable results. Flagged concentrations (*) on Form I indicate that reported results are the lower values.

5. Due to software limitations, some forms were corrected manually.

Explosives/HPLC

1. Seventeen soil samples were extracted and analyzed for explosive compounds using SW846 method 8330.

2. Matrix spike and matrix spike duplicate analyses were performed on sample AA0426. Percent recovery of TNT, 4-Amino-2,6-DNT, 2-Amino-4,6-DNT, and 2,4-DNT were below QC limits in the MS and MSD due to high levels of TNT and 2,4-DNT in the native sample. Percent recovery of RDX was above QC limits in the MS and MSD due to the presence of a large interfering peak in the RDX retention time area. Percent recovery of 4-Nitrotoluene and Nitrobenzene were also above QC limits in the MS. The RPD for TNT, 2-Nitrotoluene and 4-Nitrotoluene were above the QC limit. All other target analyte recoveries were within control limits.

3. A laboratory control sample was extracted and analyzed along with the sample batch. All target analyte recoveries were within control limits.

4. Surrogate recovery in sample AA0426 and its MS and MSD was below QC limits due to matrix interference present in the sample.

5. Samples AA0426, AA0434, AA0435, AA0447, and AA0450 required diluted analysis for high levels of TNT and/or 2,4-DNT.

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Laboratories

CASE NARRATIVE

CLIENT: IT CORPORATION
PROJECT/SITE: PLUMBROOK ORDNANCE WORKS
WORK ORDER(S): 9154
REVIEW DATE: 10/30/00

6. Explosive compounds 2,4-DNT and 2,6-DNT co-elute on the primary column and the confirmation column. The mixture of 2,4-DNT and 2,6-DNT in the LCS and MS/MSD samples is quantitated and reported as 2,4-DNT. A peak detected in the retention time window of 2,4-DNT and 2,6-DNT on both columns will be reported as an isomeric pair in samples under the results for 2,4-DNT.

7. Manual integration was performed on some data files, when automatic integration provided by the software was inappropriate. Some forms were "hand" corrected due to software limitations.

Metals

1. Seventeen soil samples were analyzed for HSL metals by EPA SW846 methodologies.

2. A matrix spike and duplicate were performed on sample AA0426 for all required analytes. A serial dilution was also performed for the ICP analytes. No control limits were applied to the matrix spike for iron because the spike addition was insignificant. The matrix spike was outside the control limits for aluminum, antimony, arsenic, and lead. All associated data has been flagged with an "N". A post digestion spike was performed for these analytes with recoveries that were within 15% of the true value. The duplicate result was outside the control limits for arsenic, copper, lead and manganese. The associated data has been flagged with an "*".

3. Calibration standards are verified against independent check standards purchased from a commercial vendor of environmental standards.

4. All GPL QA/QC criteria were met with the exceptions of those mentioned above.

Project Manager

Lab Director

GPL LABORATORIES, LLP
ANALYTICAL RESULTS

Project Name : Plumbrook Ordnance Works

Date Printe October 30, 2000

GPL ID	Client ID
9154-001-06-1	AA0426
9154-004-06-1	AA0427
9154-005-06-1	AA0428
9154-006-06-1	AA0429
9154-007-06-1	AA0431
9154-008-06-1	AA0432
9154-009-06-1	AA0433
9154-010-05-1	AA0434
9154-011-05-1	AA0435
9154-013-06-1	AA0445
9154-014-06-1	AA0446
9154-015-06-1	AA0447
9154-016-06-1	AA0448
9154-017-06-1	AA0449
9154-018-06-1	AA0450
9154-019-06-1	AA0451
9154-020-06-1	AA0453
9154-001-06-1	AA0426
9154-004-06-1	AA0427
9154-005-06-1	AA0428
9154-006-06-1	AA0429
9154-007-06-1	AA0431
9154-008-06-1	AA0432
9154-009-06-1	AA0433
9154-010-05-1	AA0434
9154-011-05-1	AA0435
9154-013-06-1	AA0445
9154-014-06-1	AA0446
9154-015-06-1	AA0447
9154-016-06-1	AA0448
9154-017-06-1	AA0449
9154-018-06-1	AA0450
9154-019-06-1	AA0451
9154-019-06-1	AA0451
9154-020-06-1	AA0453
9154-001-06-1	AA0426
9154-004-06-1	AA0427
9154-005-06-1	AA0428
9154-006-06-1	AA0429
9154-007-06-1	AA0431
9154-008-06-1	AA0432
9154-009-06-1	AA0433
9154-010-05-1	AA0434
9154-011-05-1	AA0435
9154-013-06-1	AA0445
9154-014-06-1	AA0446
9154-015-06-1	AA0447

GPL LABORATORIES, LLP
ANALYTICAL RESULTS

Project Name : Plumbrook Ordnance Works

Date Printe October 30, 2000

GPL ID	Client ID
9154-001-05-1	AA0426
9154-001-05-1	AA0426DL
9154-001-05-1	AA0426DL2
9154-004-05-1	AA0427
9154-005-05-1	AA0428
9154-006-05-1	AA0429
9154-007-05-1	AA0431
9154-008-05-1	AA0432
9154-009-05-1	AA0433
9154-010-04-1	AA0434
9154-011-04-1	AA0435
9154-013-05-1	AA0445
9154-014-05-1	AA0446
9154-015-05-1	AA0447
9154-016-05-1	AA0448
9154-017-05-1	AA0449
9154-018-05-1	AA0450
9154-018-05-1	AA0450DL
9154-018-05-1	AA0450DL2
9154-018-05-1	AA0450
9154-018-05-1	AA0450DL
9154-018-05-1	AA0450DL2
9154-019-05-1	AA0451
9154-020-05-1	AA0453
9154-001-05-1	AA0426
9154-001-05-1	AA0426DL
9154-001-05-1	AA0426DL2
9154-001-05-1	AA0426
9154-001-05-1	AA0426DL
9154-001-05-1	AA0426DL2
9154-004-05-1	AA0427
9154-005-05-1	AA0428
9154-006-05-1	AA0429
9154-007-05-1	AA0431
9154-008-05-1	AA0432
9154-009-05-1	AA0433
9154-010-04-1	AA0434
9154-010-04-1	AA0434
9154-011-04-1	AA0435
9154-011-04-1	AA0435
9154-013-05-1	AA0445
9154-014-05-1	AA0446
9154-015-05-1	AA0447
9154-015-05-1	AA0447
9154-016-05-1	AA0448
9154-017-05-1	AA0449
9154-018-05-1	AA0450

GPL LABORATORIES, LLP
ANALYTICAL RESULTS

Project Name : Plumbrook Ordnance Works

Date Printe October 30, 2000

GPL ID	Client ID
9154-018-05-1	AA0450DL
9154-018-05-1	AA0450DL2
9154-018-05-1	AA0450
9154-018-05-1	AA0450DL
9154-018-05-1	AA0450DL2
9154-019-05-1	AA0451
9154-020-05-1	AA0453

Summary of Analytical Results

Client ID AA0426
GPL ID: 9154-001-06-1
Matrix: Soil
Date Collected: Sep-25-2000
Date Received: Sep-26-2000

Prep Method:
Prep Date:
Prep Time:
Prep Chemist:

Analytical Method: CLP_SOLIDS
Date Analyzed: Sep-27-2000
Time Analyzed 13:15
Analyst: Roya Sabouri

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Percent Solids	84.4	1	%		1

Summary of Analytical Results

Client ID AA0427	**Prep Method:**	**Analytical Method: CLP_SOLIDS**
GPL ID: 9154-004-06-1	**Prep Date:**	**Date Analyzed: Sep-27-2000**
Matrix: Soil	**Prep Time:**	**Time Analyzed 13:15**
Date Collected: Sep-25-2000	**Prep Chemist:**	**Analyst: Roya Sabouri**
Date Received: Sep-26-2000		

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Percent Solids	86.3	1	%		1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AA0428	**Prep Method:**	**Analytical Method: CLP_SOLIDS**
GPL ID: 9154-005-06-1	**Prep Date:**	**Date Analyzed: Sep-27-2000**
Matrix: Soil	**Prep Time:**	**Time Analyzed 13:15**
Date Collected: Sep-25-2000	**Prep Chemist:**	**Analyst: Roya Sabouri**
Date Received: Sep-26-2000		

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Percent Solids	82.3	1	%		1

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Summary of Analytical Results

Client ID AA0429	**Prep Method:**	**Analytical Method: CLP_SOLIDS**
GPL ID: 9154-006-06-1	**Prep Date:**	**Date Analyzed: Sep-27-2000**
Matrix: Soil	**Prep Time:**	**Time Analyzed 13:15**
Date Collected: Sep-25-2000	**Prep Chemist:**	**Analyst: Roya Sabouri**
Date Received: Sep-26-2000		

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Percent Solids	86.9	1	%		1

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Summary of Analytical Results

Client ID AA0431	**Prep Method:**	**Analytical Method: CLP_SOLIDS**
GPL ID: 9154-007-06-1	**Prep Date:**	**Date Analyzed: Sep-27-2000**
Matrix: Soil	**Prep Time:**	**Time Analyzed 13:15**
Date Collected: Sep-25-2000	**Prep Chemist:**	**Analyst: Roya Sabouri**
Date Received: Sep-26-2000		

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Percent Solids	90.3	1	%		1

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Summary of Analytical Results

Client ID AA0432	**Prep Method:**	**Analytical Method: CLP_SOLIDS**
GPL ID: 9154-008-06-1	**Prep Date:**	**Date Analyzed: Sep-27-2000**
Matrix: Soil	**Prep Time:**	**Time Analyzed 13:15**
Date Collected: Sep-25-2000	**Prep Chemist:**	**Analyst: Roya Sabouri**
Date Received: Sep-26-2000		

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Percent Solids	82.7	1	%		1

Summary of Analytical Results

Client ID AA0433	**Prep Method:**	**Analytical Method: CLP_SOLIDS**
GPL ID: 9154-009-06-1	**Prep Date:**	**Date Analyzed: Sep-27-2000**
Matrix: Soil	**Prep Time:**	**Time Analyzed 13:15**
Date Collected: Sep-25-2000	**Prep Chemist:**	**Analyst: Roya Sabouri**
Date Received: Sep-26-2000		

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Percent Solids	89.4	1	%		1

Summary of Analytical Results

Client ID AA0434	Prep Method:	Analytical Method: CLP_SOLIDS
GPL ID: 9154-010-05-1	Prep Date:	Date Analyzed: Sep-27-2000
Matrix: Soil	Prep Time:	Time Analyzed 13:15
Date Collected: Sep-25-2000	Prep Chemist:	Analyst: Roya Sabouri
Date Received: Sep-26-2000		

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Percent Solids	77.6	1	%		1

Summary of Analytical Results

Client ID AA0435	**Prep Method:**	**Analytical Method: CLP_SOLIDS**
GPL ID: 9154-011-05-1	**Prep Date:**	**Date Analyzed: Sep-27-2000**
Matrix: Soil	**Prep Time:**	**Time Analyzed 13:15**
Date Collected: Sep-25-2000	**Prep Chemist:**	**Analyst: Roya Sabouri**
Date Received: Sep-26-2000		

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Percent Solids	78.4	1	%		1

Summary of Analytical Results

Client ID AA0445
GPL ID: 9154-013-06-1
Matrix: Soil
Date Collected: Sep-25-2000
Date Received: Sep-26-2000

Prep Method:
Prep Date:
Prep Time:
Prep Chemist:

Analytical Method: CLP_SOLIDS
Date Analyzed: Sep-27-2000
Time Analyzed 13:15
Analyst: Roya Sabouri

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Percent Solids	91.1	1	%		1

Summary of Analytical Results

Client ID AA0446	**Prep Method:**	**Analytical Method: CLP_SOLIDS**
GPL ID: 9154-014-06-1	**Prep Date:**	**Date Analyzed: Sep-27-2000**
Matrix: Soil	**Prep Time:**	**Time Analyzed 13:15**
Date Collected: Sep-25-2000	**Prep Chemist:**	**Analyst: Roya Sabouri**
Date Received: Sep-26-2000		

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Percent Solids	81.2	1	%		1

Summary of Analytical Results

Client ID AA0447	**Prep Method:**	**Analytical Method: CLP_SOLIDS**
GPL ID: 9154-015-06-1	**Prep Date:**	**Date Analyzed: Sep-27-2000**
Matrix: Soil	**Prep Time:**	**Time Analyzed 13:15**
Date Collected: Sep-25-2000	**Prep Chemist:**	**Analyst: Roya Sabouri**
Date Received: Sep-26-2000		

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Percent Solids	78.2	1	%		1

Summary of Analytical Results

Client ID AA0448	**Prep Method:**	**Analytical Method: CLP_SOLIDS**
GPL ID: 9154-016-06-1	**Prep Date:**	**Date Analyzed: Sep-27-2000**
Matrix: Soil	**Prep Time:**	**Time Analyzed 13:15**
Date Collected: Sep-25-2000	**Prep Chemist:**	**Analyst: Roya Sabouri**
Date Received: Sep-26-2000		

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Percent Solids	76.1	1	%		1

Summary of Analytical Results

Client ID AA0449
GPL ID: 9154-017-06-1
Matrix: Soil
Date Collected: Sep-25-2000
Date Received: Sep-26-2000

Prep Method:
Prep Date:
Prep Time:
Prep Chemist:

Analytical Method: CLP_SOLIDS
Date Analyzed: Sep-27-2000
Time Analyzed 13:15
Analyst: Roya Sabouri

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Percent Solids	85.0	1	%		1

Summary of Analytical Results

Client ID AA0450
GPL ID: 9154-018-06-1
Matrix: Soil
Date Collected: Sep-25-2000
Date Received: Sep-26-2000

Prep Method:
Prep Date:
Prep Time:
Prep Chemist:

Analytical Method: CLP_SOLIDS
Date Analyzed: Sep-27-2000
Time Analyzed 13:15
Analyst: Roya Sabouri

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Percent Solids	83.5	1	%		1

Summary of Analytical Results

Client ID AA0451	**Prep Method:**	**Analytical Method: CLP_SOLIDS**
GPL ID: 9154-019-06-1	**Prep Date:**	**Date Analyzed: Sep-27-2000**
Matrix: Soil	**Prep Time:**	**Time Analyzed 13:15**
Date Collected: Sep-25-2000	**Prep Chemist:**	**Analyst: Roya Sabouri**
Date Received: Sep-26-2000		

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Percent Solids	87.3	1	%		1

Summary of Analytical Results

Client ID AA0453
GPL ID: 9154-020-06-1
Matrix: Soil
Date Collected: Sep-25-2000
Date Received: Sep-26-2000

Prep Method:
Prep Date:
Prep Time:
Prep Chemist:

Analytical Method: CLP_SOLIDS
Date Analyzed: Sep-27-2000
Time Analyzed 13:15
Analyst: Roya Sabouri

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Percent Solids	72.7	1	%		1

Summary of Analytical Results

Client ID AA0426
GPL ID: 9154-001-06-1
Matrix: Soil
Date Collected: Sep-25-2000
Date Received: Sep-26-2000

Prep Method: SW3050B
Prep Date: Oct-25-2000
Prep Time: 12:57
Prep Chemist: Rekha Patel

Analytical Method: SW6010B
Date Analyzed: Oct-26-2000
Time Analyzed 22:18
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	3040	46.4	mg/kg		2
Antimony	1.23	1.39	mg/kg	B	2
Arsenic	14.4	1.16	mg/kg		2
Barium	38.7	1.16	mg/kg		2
Beryllium	0.280	0.232	mg/kg		2
Cadmium	BQL	0.697	mg/kg	U	2
Calcium	1180	116	mg/kg		2
Chromium	5.43	1.16	mg/kg		2
Cobalt	3.14	1.16	mg/kg		2
Copper	14.6	1.16	mg/kg		2
Iron	25300	23.2	mg/kg		2
Lead	65.9	0.697	mg/kg		2
Magnesium	533	58.1	mg/kg		2
Manganese	79.4	1.16	mg/kg		2
Nickel	10.2	1.16	mg/kg		2
Potassium	609	58.1	mg/kg		2
Selenium	BQL	1.16	mg/kg	U	2
Silver	BQL	0.697	mg/kg	U	2
Sodium	115	232	mg/kg	B	2
Thallium	BQL	2.32	mg/kg	U	2
Vanadium	18.9	1.16	mg/kg		2
Zinc	53.7	3.48	mg/kg		2

Summary of Analytical Results

Client ID AA0427
GPL ID: 9154-004-06-1
Matrix: Soil
Date Collected: Sep-25-2000
Date Received: Sep-26-2000

Prep Method: SW3050B
Prep Date: Oct-25-2000
Prep Time: 12:57
Prep Chemist: Rekha Patel

Analytical Method: SW6010B
Date Analyzed: Oct-26-2000
Time Analyzed 23:06
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	3520	44.6	mg/kg		2
Antimony	3.69	1.34	mg/kg		2
Arsenic	2.76	1.12	mg/kg		2
Barium	124	1.12	mg/kg		2
Beryllium	0.243	0.223	mg/kg		2
Cadmium	1.59	0.669	mg/kg		2
Calcium	51000	111	mg/kg		2
Chromium	15.4	1.12	mg/kg		2
Cobalt	2.85	1.12	mg/kg		2
Copper	88.4	1.12	mg/kg		2
Iron	8290	22.3	mg/kg		2
Lead	588	0.669	mg/kg		2
Magnesium	3610	55.7	mg/kg		2
Manganese	223	1.12	mg/kg		2
Nickel	13.1	1.12	mg/kg		2
Potassium	481	55.7	mg/kg		2
Selenium	BQL	1.12	mg/kg	U	2
Silver	BQL	0.669	mg/kg	U	2
Sodium	299	223	mg/kg		2
Thallium	BQL	2.23	mg/kg	U	2
Vanadium	10.6	1.12	mg/kg		2
Zinc	751	3.34	mg/kg		2

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Summary of Analytical Results

Client ID AA0428
GPL ID: 9154-005-06-1
Matrix: Soil
Date Collected: Sep-25-2000
Date Received: Sep-26-2000

Prep Method: SW3050B
Prep Date: Oct-25-2000
Prep Time: 12:57
Prep Chemist: Rekha Patel

Analytical Method: SW6010B
Date Analyzed: Oct-26-2000
Time Analyzed 23:13
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	4810	48.6	mg/kg		2
Antimony	BQL	1.46	mg/kg	U	2
Arsenic	3.71	1.22	mg/kg		2
Barium	23.7	1.22	mg/kg		2
Beryllium	0.368	0.243	mg/kg		2
Cadmium	BQL	0.729	mg/kg	U	2
Calcium	6860	121	mg/kg		2
Chromium	9.40	1.22	mg/kg		2
Cobalt	3.58	1.22	mg/kg		2
Copper	6.31	1.22	mg/kg		2
Iron	19900	24.3	mg/kg		2
Lead	12.2	0.729	mg/kg		2
Magnesium	1460	60.7	mg/kg		2
Manganese	547	1.22	mg/kg		2
Nickel	9.65	1.22	mg/kg		2
Potassium	713	60.7	mg/kg		2
Selenium	BQL	1.22	mg/kg	U	2
Silver	BQL	0.729	mg/kg	U	2
Sodium	135	243	mg/kg	B	2
Thallium	BQL	2.43	mg/kg	U	2
Vanadium	18.0	1.22	mg/kg		2
Zinc	35.8	3.64	mg/kg		2

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Summary of Analytical Results

Client ID AA0429
GPL ID: 9154-006-06-1
Matrix: Soil
Date Collected: Sep-25-2000
Date Received: Sep-26-2000

Prep Method: SW3050B
Prep Date: Oct-25-2000
Prep Time: 12:57
Prep Chemist: Rekha Patel

Analytical Method: SW6010B
Date Analyzed: Oct-26-2000
Time Analyzed 23:20
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	4620	45.1	mg/kg		2
Antimony	BQL	1.35	mg/kg	U	2
Arsenic	4.10	1.13	mg/kg		2
Barium	19.5	1.13	mg/kg		2
Beryllium	0.338	0.226	mg/kg		2
Cadmium	0.092	0.677	mg/kg	B	2
Calcium	8730	113	mg/kg		2
Chromium	8.49	1.13	mg/kg		2
Cobalt	3.75	1.13	mg/kg		2
Copper	5.51	1.13	mg/kg		2
Iron	12600	22.6	mg/kg		2
Lead	10.4	0.677	mg/kg		2
Magnesium	1750	56.4	mg/kg		2
Manganese	335	1.13	mg/kg		2
Nickel	9.45	1.13	mg/kg		2
Potassium	666	56.4	mg/kg		2
Selenium	BQL	1.13	mg/kg	U	2
Silver	BQL	0.677	mg/kg	U	2
Sodium	148	226	mg/kg	B	2
Thallium	BQL	2.26	mg/kg	U	2
Vanadium	18.0	1.13	mg/kg		2
Zinc	31.7	3.39	mg/kg		2

Summary of Analytical Results

Client ID AA0431
GPL ID: 9154-007-06-1
Matrix: Soil
Date Collected: Sep-25-2000
Date Received: Sep-26-2000

Prep Method: SW3050B
Prep Date: Oct-25-2000
Prep Time: 12:57
Prep Chemist: Rekha Patel

Analytical Method: SW6010B
Date Analyzed: Oct-26-2000
Time Analyzed 23:26
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	4960	43.9	mg/kg		2
Antimony	0.800	1.32	mg/kg	B	2
Arsenic	2.86	1.1	mg/kg		2
Barium	22.9	1.1	mg/kg		2
Beryllium	0.330	0.219	mg/kg		2
Cadmium	0.204	0.658	mg/kg	B	2
Calcium	3240	110	mg/kg		2
Chromium	6.57	1.1	mg/kg		2
Cobalt	4.01	1.1	mg/kg		2
Copper	7.90	1.1	mg/kg		2
Iron	8720	21.9	mg/kg		2
Lead	9.77	0.658	mg/kg		2
Magnesium	1050	54.8	mg/kg		2
Manganese	187	1.1	mg/kg		2
Nickel	11.5	1.1	mg/kg		2
Potassium	361	54.8	mg/kg		2
Selenium	BQL	1.1	mg/kg	U	2
Silver	BQL	0.658	mg/kg	U	2
Sodium	106	219	mg/kg	B	2
Thallium	BQL	2.19	mg/kg	U	2
Vanadium	13.0	1.1	mg/kg		2
Zinc	52.5	3.29	mg/kg		2

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Summary of Analytical Results

Client ID AA0432
GPL ID: 9154-008-06-1
Matrix: Soil
Date Collected: Sep-25-2000
Date Received: Sep-26-2000

Prep Method: SW3050B
Prep Date: Oct-25-2000
Prep Time: 12:57
Prep Chemist: Rekha Patel

Analytical Method: SW6010B
Date Analyzed: Oct-26-2000
Time Analyzed 23:33
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	2490	47.9	mg/kg		2
Antimony	3.14	1.44	mg/kg		2
Arsenic	4.67	1.2	mg/kg		2
Barium	61.6	1.2	mg/kg		2
Beryllium	0.234	0.239	mg/kg	B	2
Cadmium	0.198	0.718	mg/kg	B	2
Calcium	2830	120	mg/kg		2
Chromium	8.49	1.2	mg/kg		2
Cobalt	2.04	1.2	mg/kg		2
Copper	21.1	1.2	mg/kg		2
Iron	6920	23.9	mg/kg		2
Lead	11900	0.718	mg/kg		2
Magnesium	597	59.8	mg/kg		2
Manganese	59.9	1.2	mg/kg		2
Nickel	7.79	1.2	mg/kg		2
Potassium	649	59.8	mg/kg		2
Selenium	BQL	1.2	mg/kg	U	2
Silver	0.704	0.718	mg/kg	B	2
Sodium	178	239	mg/kg	B	2
Thallium	BQL	2.39	mg/kg	U	2
Vanadium	8.51	1.2	mg/kg		2
Zinc	60.7	3.59	mg/kg		2

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Summary of Analytical Results

Client ID AA0433
GPL ID: 9154-009-06-1
Matrix: Soil
Date Collected: Sep-25-2000
Date Received: Sep-26-2000

Prep Method: SW3050B
Prep Date: Oct-25-2000
Prep Time: 12:57
Prep Chemist: Rekha Patel

Analytical Method: SW6010B
Date Analyzed: Oct-26-2000
Time Analyzed 23:40
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	5400	44.7	mg/kg		2
Antimony	BQL	1.34	mg/kg	U	2
Arsenic	3.67	1.12	mg/kg		2
Barium	20.5	1.12	mg/kg		2
Beryllium	0.331	0.224	mg/kg		2
Cadmium	0.198	0.671	mg/kg	B	2
Calcium	5150	112	mg/kg		2
Chromium	8.25	1.12	mg/kg		2
Cobalt	4.17	1.12	mg/kg		2
Copper	7.86	1.12	mg/kg		2
Iron	10400	22.4	mg/kg		2
Lead	25.9	0.671	mg/kg		2
Magnesium	1220	55.9	mg/kg		2
Manganese	221	1.12	mg/kg		2
Nickel	11.2	1.12	mg/kg		2
Potassium	516	55.9	mg/kg		2
Selenium	BQL	1.12	mg/kg	U	2
Silver	BQL	0.671	mg/kg	U	2
Sodium	151	224	mg/kg	B	2
Thallium	BQL	2.24	mg/kg	U	2
Vanadium	15.3	1.12	mg/kg		2
Zinc	50.3	3.36	mg/kg		2

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Summary of Analytical Results

Client ID AA0434
GPL ID: 9154-010-05-1
Matrix: Soil
Date Collected: Sep-25-2000
Date Received: Sep-26-2000

Prep Method: SW3050B
Prep Date: Oct-25-2000
Prep Time: 12:57
Prep Chemist: Rekha Patel

Analytical Method: SW6010B
Date Analyzed: Oct-26-2000
Time Analyzed 23:47
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	6290	51.5	mg/kg		2
Antimony	BQL	1.55	mg/kg	U	2
Arsenic	2.94	1.29	mg/kg		2
Barium	27.5	1.29	mg/kg		2
Beryllium	0.396	0.258	mg/kg		2
Cadmium	0.193	0.773	mg/kg	B	2
Calcium	11500	129	mg/kg		2
Chromium	11.9	1.29	mg/kg		2
Cobalt	3.76	1.29	mg/kg		2
Copper	17.3	1.29	mg/kg		2
Iron	11500	25.8	mg/kg		2
Lead	50.3	0.773	mg/kg		2
Magnesium	2190	64.4	mg/kg		2
Manganese	267	1.29	mg/kg		2
Nickel	9.38	1.29	mg/kg		2
Potassium	632	64.4	mg/kg		2
Selenium	BQL	1.29	mg/kg	U	2
Silver	BQL	0.773	mg/kg	U	2
Sodium	147	258	mg/kg	B	2
Thallium	BQL	2.58	mg/kg	U	2
Vanadium	20.4	1.29	mg/kg		2
Zinc	51.4	3.87	mg/kg		2

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Summary of Analytical Results

Client ID AA0435
GPL ID: 9154-011-05-1
Matrix: Soil
Date Collected: Sep-25-2000
Date Received: Sep-26-2000

Prep Method: SW3050B
Prep Date: Oct-25-2000
Prep Time: 12:57
Prep Chemist: Rekha Patel

Analytical Method: SW6010B
Date Analyzed: Oct-26-2000
Time Analyzed 23:54
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	6500	47.7	mg/kg		2
Antimony	0.981	1.43	mg/kg	B	2
Arsenic	2.95	1.19	mg/kg		2
Barium	30.5	1.19	mg/kg		2
Beryllium	0.413	0.239	mg/kg		2
Cadmium	0.230	0.716	mg/kg	B	2
Calcium	33200	119	mg/kg		2
Chromium	12.6	1.19	mg/kg		2
Cobalt	4.77	1.19	mg/kg		2
Copper	19.4	1.19	mg/kg		2
Iron	13000	23.9	mg/kg		2
Lead	53.4	0.716	mg/kg		2
Magnesium	4180	59.6	mg/kg		2
Manganese	326	1.19	mg/kg		2
Nickel	12.8	1.19	mg/kg		2
Potassium	936	59.6	mg/kg		2
Selenium	BQL	1.19	mg/kg	U	2
Silver	BQL	0.716	mg/kg	U	2
Sodium	213	239	mg/kg	B	2
Thallium	BQL	2.39	mg/kg	U	2
Vanadium	19.4	1.19	mg/kg		2
Zinc	57.7	3.58	mg/kg		2

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Summary of Analytical Results

Client ID AA0445
GPL ID: 9154-013-06-1
Matrix: Soil
Date Collected: Sep-25-2000
Date Received: Sep-26-2000

Prep Method: SW3050B
Prep Date: Oct-25-2000
Prep Time: 12:57
Prep Chemist: Rekha Patel

Analytical Method: SW6010B
Date Analyzed: Oct-27-2000
Time Analyzed 00:00
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	2980	42.6	mg/kg		2
Antimony	BQL	1.28	mg/kg	U	2
Arsenic	2.21	1.07	mg/kg		2
Barium	19.0	1.07	mg/kg		2
Beryllium	0.160	0.213	mg/kg	B	2
Cadmium	BQL	0.64	mg/kg	U	2
Calcium	1260	107	mg/kg		2
Chromium	5.51	1.07	mg/kg		2
Cobalt	1.54	1.07	mg/kg		2
Copper	5.92	1.07	mg/kg		2
Iron	7820	21.3	mg/kg		2
Lead	26.5	0.64	mg/kg		2
Magnesium	598	53.3	mg/kg		2
Manganese	86.9	1.07	mg/kg		2
Nickel	4.27	1.07	mg/kg		2
Potassium	348	53.3	mg/kg		2
Selenium	BQL	1.07	mg/kg	U	2
Silver	BQL	0.64	mg/kg	U	2
Sodium	99.6	213	mg/kg	B	2
Thallium	BQL	2.13	mg/kg	U	2
Vanadium	11.3	1.07	mg/kg		2
Zinc	20.8	3.2	mg/kg		2

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Summary of Analytical Results

Client ID AA0446
GPL ID: 9154-014-06-1
Matrix: Soil
Date Collected: Sep-25-2000
Date Received: Sep-26-2000

Prep Method: SW3050B
Prep Date: Oct-25-2000
Prep Time: 12:57
Prep Chemist: Rekha Patel

Analytical Method: SW6010B
Date Analyzed: Oct-27-2000
Time Analyzed 00:21
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	6820	47.8	mg/kg		2
Antimony	BQL	1.44	mg/kg	U	2
Arsenic	8.59	1.2	mg/kg		2
Barium	27.8	1.2	mg/kg		2
Beryllium	0.450	0.239	mg/kg		2
Cadmium	0.131	0.717	mg/kg	B	2
Calcium	5150	120	mg/kg		2
Chromium	19.9	1.2	mg/kg		2
Cobalt	9.10	1.2	mg/kg		2
Copper	8.30	1.2	mg/kg		2
Iron	21900	23.9	mg/kg		2
Lead	7.24	0.717	mg/kg		2
Magnesium	2040	59.8	mg/kg		2
Manganese	220	1.2	mg/kg		2
Nickel	18.3	1.2	mg/kg		2
Potassium	939	59.8	mg/kg		2
Selenium	BQL	1.2	mg/kg	U	2
Silver	BQL	0.717	mg/kg	U	2
Sodium	113	239	mg/kg	B	2
Thallium	BQL	2.39	mg/kg	U	2
Vanadium	17.9	1.2	mg/kg		2
Zinc	214	3.59	mg/kg		2

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Summary of Analytical Results

Client ID AA0447
GPL ID: 9154-015-06-1
Matrix: Soil
Date Collected: Sep-25-2000
Date Received: Sep-26-2000

Prep Method: SW3050B
Prep Date: Oct-25-2000
Prep Time: 12:57
Prep Chemist: Rekha Patel

Analytical Method: SW6010B
Date Analyzed: Oct-27-2000
Time Analyzed 00:28
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	9000	49.7	mg/kg		2
Antimony	BQL	1.49	mg/kg	U	2
Arsenic	6.01	1.24	mg/kg		2
Barium	67.3	1.24	mg/kg		2
Beryllium	0.671	0.248	mg/kg		2
Cadmium	BQL	0.745	mg/kg	U	2
Calcium	57200	124	mg/kg		2
Chromium	14.3	1.24	mg/kg		2
Cobalt	9.90	1.24	mg/kg		2
Copper	14.3	1.24	mg/kg		2
Iron	22000	24.8	mg/kg		2
Lead	19.4	0.745	mg/kg		2
Magnesium	3320	62.1	mg/kg		2
Manganese	1370	1.24	mg/kg		2
Nickel	25.5	1.24	mg/kg		2
Potassium	1700	62.1	mg/kg		2
Selenium	BQL	1.24	mg/kg	U	2
Silver	BQL	0.745	mg/kg	U	2
Sodium	381	248	mg/kg		2
Thallium	BQL	2.48	mg/kg	U	2
Vanadium	19.3	1.24	mg/kg		2
Zinc	41.5	3.72	mg/kg		2

Summary of Analytical Results

Client ID AA0448
GPL ID: 9154-016-06-1
Matrix: Soil
Date Collected: Sep-25-2000
Date Received: Sep-26-2000

Prep Method: SW3050B
Prep Date: Oct-25-2000
Prep Time: 12:57
Prep Chemist: Rekha Patel

Analytical Method: SW6010B
Date Analyzed: Oct-27-2000
Time Analyzed 00:35
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	6690	50.1	mg/kg		2
Antimony	BQL	1.5	mg/kg	U	2
Arsenic	5.42	1.25	mg/kg		2
Barium	26.9	1.25	mg/kg		2
Beryllium	0.405	0.25	mg/kg		2
Cadmium	0.103	0.751	mg/kg	B	2
Calcium	7330	125	mg/kg		2
Chromium	13.2	1.25	mg/kg		2
Cobalt	4.62	1.25	mg/kg		2
Copper	20.5	1.25	mg/kg		2
Iron	14600	25	mg/kg		2
Lead	17.4	0.751	mg/kg		2
Magnesium	2060	62.6	mg/kg		2
Manganese	340	1.25	mg/kg		2
Nickel	12.0	1.25	mg/kg		2
Potassium	727	62.6	mg/kg		2
Selenium	BQL	1.25	mg/kg	U	2
Silver	BQL	0.751	mg/kg	U	2
Sodium	346	250	mg/kg		2
Thallium	BQL	2.5	mg/kg	U	2
Vanadium	18.0	1.25	mg/kg		2
Zinc	109	3.76	mg/kg		2

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AA0449
GPL ID: 9154-017-06-1
Matrix: Soil
Date Collected: Sep-25-2000
Date Received: Sep-26-2000

Prep Method: SW3050B
Prep Date: Oct-25-2000
Prep Time: 12:57
Prep Chemist: Rekha Patel

Analytical Method: SW6010B
Date Analyzed: Oct-27-2000
Time Analyzed 00:41
Analyst: Simina Lai

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	2130	46.6	mg/kg		2
Antimony	BQL	1.4	mg/kg	U	2
Arsenic	BQL	1.17	mg/kg	U	2
Barium	11.1	1.17	mg/kg		2
Beryllium	0.160	0.233	mg/kg	B	2
Cadmium	BQL	0.699	mg/kg	U	2
Calcium	31000	116	mg/kg		2
Chromium	4.71	1.17	mg/kg		2
Cobalt	2.01	1.17	mg/kg		2
Copper	2.06	1.17	mg/kg		2
Iron	3910	23.3	mg/kg		2
Lead	8.37	0.699	mg/kg		2
Magnesium	9140	58.2	mg/kg		2
Manganese	109	1.17	mg/kg		2
Nickel	5.69	1.17	mg/kg		2
Potassium	245	58.2	mg/kg		2
Selenium	BQL	1.17	mg/kg	U	2
Silver	BQL	0.699	mg/kg	U	2
Sodium	196	233	mg/kg	B	2
Thallium	BQL	2.33	mg/kg	U	2
Vanadium	9.06	1.17	mg/kg		2
Zinc	15.1	3.49	mg/kg		2

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AA0450
GPL ID: 9154-018-06-1
Matrix: Soil
Date Collected: Sep-25-2000
Date Received: Sep-26-2000

Prep Method: SW3050B
Prep Date: Oct-25-2000
Prep Time: 12:57
Prep Chemist: Rekha Patel

Analytical Method: SW6010B
Date Analyzed: Oct-27-2000
Time Analyzed 00:48
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	4630	47	mg/kg		2
Antimony	BQL	1.41	mg/kg	U	2
Arsenic	3.23	1.17	mg/kg		2
Barium	29.4	1.17	mg/kg		2
Beryllium	0.299	0.235	mg/kg		2
Cadmium	0.695	0.704	mg/kg	B	2
Calcium	17400	117	mg/kg		2
Chromium	40.3	1.17	mg/kg		2
Cobalt	3.69	1.17	mg/kg		2
Copper	19.9	1.17	mg/kg		2
Iron	9460	23.5	mg/kg		2
Lead	142	0.704	mg/kg		2
Magnesium	6450	58.7	mg/kg		2
Manganese	140	1.17	mg/kg		2
Nickel	14.4	1.17	mg/kg		2
Potassium	522	58.7	mg/kg		2
Selenium	BQL	1.17	mg/kg	U	2
Silver	BQL	0.704	mg/kg	U	2
Sodium	178	235	mg/kg	B	2
Thallium	BQL	2.35	mg/kg	U	2
Vanadium	13.4	1.17	mg/kg		2
Zinc	140	3.52	mg/kg		2

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AA0451
GPL ID: 9154-019-06-1
Matrix: Soil
Date Collected: Sep-25-2000
Date Received: Sep-26-2000

Prep Method: SW3050B
Prep Date: Oct-25-2000
Prep Time: 12:57
Prep Chemist: Rekha Patel

Analytical Method: SW6010B
Date Analyzed: Oct-27-2000
Time Analyzed 00:55
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	4660	44.1	mg/kg		2
Antimony	1.21	1.32	mg/kg	B	2
Arsenic	3.83	1.1	mg/kg		2
Barium	22.2	1.1	mg/kg		2
Beryllium	0.367	0.22	mg/kg		2
Cadmium	0.579	0.661	mg/kg	B	2
Chromium	8.75	1.1	mg/kg		2
Cobalt	4.79	1.1	mg/kg		2
Copper	35.9	1.1	mg/kg		2
Iron	12300	22	mg/kg		2
Lead	119	0.661	mg/kg		2
Magnesium	10400	55.1	mg/kg		2
Manganese	515	1.1	mg/kg		2
Nickel	15.9	1.1	mg/kg		2
Potassium	810	55.1	mg/kg		2
Selenium	BQL	1.1	mg/kg	U	2
Silver	BQL	0.661	mg/kg	U	2
Sodium	230	220	mg/kg		2
Thallium	BQL	2.2	mg/kg	U	2
Vanadium	12.8	1.1	mg/kg		2
Zinc	255	3.31	mg/kg		2

Summary of Analytical Results

Client ID AA0451	**Prep Method: SW3050B**	**Analytical Method: SW6010B**
GPL ID: 9154-019-06-1	**Prep Date: Oct-25-2000**	**Date Analyzed: Oct-27-2000**
Matrix: Soil	**Prep Time: 12:57**	**Time Analyzed 11:16**
Date Collected: Sep-25-2000	**Prep Chemist: Rekha Patel**	**Analyst: Simina Lal**
Date Received: Sep-26-2000		

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Calcium	125000	275	mg/kg		5

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AA0453
GPL ID: 9154-020-06-1
Matrix: Soil
Date Collected: Sep-25-2000
Date Received: Sep-26-2000

Prep Method: SW3050B
Prep Date: Oct-25-2000
Prep Time: 12:57
Prep Chemist: Rekha Patel

Analytical Method: SW6010B
Date Analyzed: Oct-27-2000
Time Analyzed 01:02
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	5890	53.4	mg/kg		2
Antimony	2.24	1.6	mg/kg		2
Arsenic	3.13	1.34	mg/kg		2
Barium	23.7	1.34	mg/kg		2
Beryllium	0.357	0.267	mg/kg		2
Cadmium	0.686	0.802	mg/kg	B	2
Calcium	14500	134	mg/kg		2
Chromium	11.6	1.34	mg/kg		2
Cobalt	3.00	1.34	mg/kg		2
Copper	80.5	1.34	mg/kg		2
Iron	10600	26.7	mg/kg		2
Lead	69.5	0.802	mg/kg		2
Magnesium	2070	66.8	mg/kg		2
Manganese	93.3	1.34	mg/kg		2
Nickel	9.14	1.34	mg/kg		2
Potassium	542	66.8	mg/kg		2
Selenium	BQL	1.34	mg/kg	U	2
Silver	BQL	0.802	mg/kg	U	2
Sodium	249	267	mg/kg	B	2
Thallium	BQL	2.67	mg/kg	U	2
Vanadium	16.3	1.34	mg/kg		2
Zinc	348	4.01	mg/kg		2

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AA0426
GPL ID: 9154-001-06-1
Matrix: Soil
Date Collected: Sep-25-2000
Date Received: Sep-26-2000

Prep Method: SW7471_DIG
Prep Date: Oct-13-2000
Prep Time: 14:50
Prep Chemist: Kelvin Choi

Analytical Method: SW7471A
Date Analyzed: Oct-16-2000
Time Analyzed 10:24
Analyst: Kelvin Choi

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	BQL	0.039	mg/kg	U	1

Summary of Analytical Results

Client ID AA0427	**Prep Method: SW7471_DIG**	**Analytical Method: SW7471A**
GPL ID: 9154-004-06-1	**Prep Date: Oct-13-2000**	**Date Analyzed: Oct-16-2000**
Matrix: Soil	**Prep Time: 14:50**	**Time Analyzed 10:32**
Date Collected: Sep-25-2000	**Prep Chemist: Kelvin Choi**	**Analyst: Kelvin Choi**
Date Received: Sep-26-2000		

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	0.134	0.035	mg/kg		1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AA0428
GPL ID: 9154-005-06-1
Matrix: Soil
Date Collected: Sep-25-2000
Date Received: Sep-26-2000

Prep Method: SW7471_DIG
Prep Date: Oct-13-2000
Prep Time: 14:50
Prep Chemist: Kelvin Choi

Analytical Method: SW7471A
Date Analyzed: Oct-16-2000
Time Analyzed 10:35
Analyst: Kelvin Choi

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	BQL	0.035	mg/kg	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AA0429
GPL ID: 9154-006-06-1
Matrix: Soil
Date Collected: Sep-25-2000
Date Received: Sep-26-2000

Prep Method: SW7471_DIG
Prep Date: Oct-13-2000
Prep Time: 14:50
Prep Chemist: Kelvin Choi

Analytical Method: SW7471A
Date Analyzed: Oct-16-2000
Time Analyzed 10:37
Analyst: Kelvin Choi

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	BQL	0.033	mg/kg	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AA0431
GPL ID: 9154-007-06-1
Matrix: Soil
Date Collected: Sep-25-2000
Date Received: Sep-26-2000

Prep Method: SW7471_DIG
Prep Date: Oct-13-2000
Prep Time: 14:50
Prep Chemist: Kelvin Choi

Analytical Method: SW7471A
Date Analyzed: Oct-16-2000
Time Analyzed 10:40
Analyst: Kelvin Choi

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	BQL	0.035	mg/kg	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AA0432
GPL ID: 9154-008-06-1
Matrix: Soil
Date Collected: Sep-25-2000
Date Received: Sep-26-2000

Prep Method: SW7471_DIG
Prep Date: Oct-13-2000
Prep Time: 14:50
Prep Chemist: Kelvin Choi

Analytical Method: SW7471A
Date Analyzed: Oct-16-2000
Time Analyzed 10:43
Analyst: Kelvin Choi

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	0.078	0.037	mg/kg		1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AA0433
GPL ID: 9154-009-06-1
Matrix: Soil
Date Collected: Sep-25-2000
Date Received: Sep-26-2000

Prep Method: SW7471_DIG
Prep Date: Oct-13-2000
Prep Time: 14:50
Prep Chemist: Kelvin Choi

Analytical Method: SW7471A
Date Analyzed: Oct-16-2000
Time Analyzed 10:51
Analyst: Kelvin Choi

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	0.022	0.036	mg/kg	J	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AA0434
GPL ID: 9154-010-05-1
Matrix: Soil
Date Collected: Sep-25-2000
Date Received: Sep-26-2000

Prep Method: SW7471_DIG
Prep Date: Oct-13-2000
Prep Time: 14:50
Prep Chemist: Kelvin Choi

Analytical Method: SW7471A
Date Analyzed: Oct-16-2000
Time Analyzed 10:54
Analyst: Kelvin Choi

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	0.080	0.034	mg/kg		1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AA0435
GPL ID: 9154-011-05-1
Matrix: Soil
Date Collected: Sep-25-2000
Date Received: Sep-26-2000

Prep Method: SW7471_DIG
Prep Date: Oct-13-2000
Prep Time: 14:50
Prep Chemist: Kelvin Choi

Analytical Method: SW7471A
Date Analyzed: Oct-16-2000
Time Analyzed 10:56
Analyst: Kelvin Choi

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	0.068	0.039	mg/kg		1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AA0445
GPL ID: 9154-013-06-1
Matrix: Soil
Date Collected: Sep-25-2000
Date Received: Sep-26-2000

Prep Method: SW7471_DIG
Prep Date: Oct-13-2000
Prep Time: 14:50
Prep Chemist: Kelvin Choi

Analytical Method: SW7471A
Date Analyzed: Oct-16-2000
Time Analyzed 10:59
Analyst: Kelvin Choi

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	BQL	0.035	mg/kg	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AA0446
GPL ID: 9154-014-06-1
Matrix: Soil
Date Collected: Sep-25-2000
Date Received: Sep-26-2000

Prep Method: SW7471_DIG
Prep Date: Oct-13-2000
Prep Time: 14:50
Prep Chemist: Kelvin Choi

Analytical Method: SW7471A
Date Analyzed: Oct-16-2000
Time Analyzed 11:01
Analyst: Kelvin Choi

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	BQL	0.04	mg/kg	U	1

Summary of Analytical Results

Client ID AA0447
GPL ID: 9154-015-06-1
Matrix: Soil
Date Collected: Sep-25-2000
Date Received: Sep-26-2000

Prep Method: SW7471_DIG
Prep Date: Oct-13-2000
Prep Time: 14:50
Prep Chemist: Kelvin Choi

Analytical Method: SW7471A
Date Analyzed: Oct-16-2000
Time Analyzed 11:04
Analyst: Kelvin Choi

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	0.022	0.04	mg/kg	J	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AA0448	**Prep Method: SW7471_DIG**	**Analytical Method: SW7471A**
GPL ID: 9154-016-06-1	**Prep Date: Oct-13-2000**	**Date Analyzed: Oct-16-2000**
Matrix: Soil	**Prep Time: 14:50**	**Time Analyzed 11:07**
Date Collected: Sep-25-2000	**Prep Chemist: Kelvin Choi**	**Analyst: Kelvin Choi**
Date Received: Sep-26-2000		

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	0.030	0.037	mg/kg	J	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AA0449
GPL ID: 9154-017-06-1
Matrix: Soil
Date Collected: Sep-25-2000
Date Received: Sep-26-2000

Prep Method: SW7471_DIG
Prep Date: Oct-13-2000
Prep Time: 14:50
Prep Chemist: Kelvin Choi

Analytical Method: SW7471A
Date Analyzed: Oct-16-2000
Time Analyzed 11:09
Analyst: Kelvin Choi

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	BQL	0.038	mg/kg	U	1

Summary of Analytical Results

Client ID AA0450	**Prep Method: SW7471_DIG**	**Analytical Method: SW7471A**
GPL ID: 9154-018-06-1	**Prep Date: Oct-13-2000**	**Date Analyzed: Oct-16-2000**
Matrix: Soil	**Prep Time: 14:50**	**Time Analyzed 11:12**
Date Collected: Sep-25-2000	**Prep Chemist: Kelvin Choi**	**Analyst: Kelvin Choi**
Date Received: Sep-26-2000		

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	0.028	0.033	mg/kg	J	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AA0451
GPL ID: 9154-019-06-1
Matrix: Soil
Date Collected: Sep-25-2000
Date Received: Sep-26-2000

Prep Method: SW7471_DIG
Prep Date: Oct-13-2000
Prep Time: 14:50
Prep Chemist: Kelvin Choi

Analytical Method: SW7471A
Date Analyzed: Oct-16-2000
Time Analyzed 11:15
Analyst: Kelvin Choi

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	BQL	0.037	mg/kg	U	1

Summary of Analytical Results

Client ID AA0453
GPL ID: 9154-020-06-1
Matrix: Soil
Date Collected: Sep-25-2000
Date Received: Sep-26-2000

Prep Method: SW7471_DIG
Prep Date: Oct-13-2000
Prep Time: 14:50
Prep Chemist: Kelvin Choi

Analytical Method: SW7471A
Date Analyzed: Oct-16-2000
Time Analyzed 11:23
Analyst: Kelvin Choi

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	0.041	0.034	mg/kg		1

TOTAL METALS

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BLANKS

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 09154C

Preparation Blank Matrix (soil/water): SOIL

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Aluminum	55.2	U	55.2	U	55.2	U	55.2	U	5.520	U	P
Antimony	2.7	U	2.7	U	2.7	U	3.0	B	0.294	B	P
Arsenic	4.0	U	4.0	U	4.0	U	4.0	U	0.400	U	P
Barium	0.5	U	0.5	U	0.5	U	0.5	U	0.054	B	P
Beryllium	0.1	U	0.1	U	0.1	U	0.1	U	-0.011	B	P
Cadmium	0.4	U	0.4	U	0.4	U	0.4	U	0.040	U	P
Calcium	140.0	U	140.0	U	140.0	U	140.0	U	14.802	B	P
Chromium	0.6	U	0.6	U	0.6	U	0.6	U	0.060	U	P
Cobalt	1.3	U	1.3	U	1.3	U	1.3	U	0.130	U	P
Copper	1.0	U	1.0	U	1.0	U	1.0	U	0.100	U	P
Iron	17.7	U	17.7	U	28.2	B	23.5	B	1.770	U	P
Lead	1.3	U	1.3	U	1.3	U	1.3	U	0.130	U	P
Magnesium	13.2	B	27.4	B	49.7	B	42.3	B	2.777	B	P
Manganese	0.2	U	0.2	U	0.3	B	0.3	B	0.090	B	P
Mercury	0.1	U	0.1	U	0.1	U	0.1	U	0.017	U	CV
Nickel	1.0	U	1.0	U	1.0	U	1.0	U	-0.218	B	P
Potassium	11.9	U	11.9	U	11.9	U	11.9	U	4.957	B	P
Selenium	3.3	U	3.4	B	3.8	B	3.3	U	0.330	U	P
Silver	1.8	U	1.8	U	1.8	U	1.8	U	0.180	U	P
Sodium	250.0	U	250.0	U	250.0	U	250.0	U	86.401	B	P
Thallium	5.0	U	5.0	U	5.0	U	5.0	U	-0.737	B	P
Vanadium	1.1	U	1.1	U	1.1	U	1.1	U	0.110	U	P
Zinc	4.2	U	4.2	U	4.2	U	4.2	U	0.420	U	P

TOTAL METALS

-3-

BLANKS

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 09154C

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Aluminum			55.2	U	55.2	U	55.2	U			P
Antimony			4.6	B	2.7	U	4.4	B			P
Arsenic			4.0	U	4.0	U	4.0	U			P
Barium			0.5	U	0.5	U	0.5	U			P
Beryllium			0.1	U	0.1	U	0.1	U			P
Cadmium			0.4	U	0.4	U	0.4	U			P
Calcium			140.0	U	140.0	U	140.0	U			P
Chromium			0.6	U	0.6	U	0.6	U			P
Cobalt			1.3	U	1.3	U	1.3	U			P
Copper			1.0	U	1.0	U	1.0	U			P
Iron			28.2	B	17.7	U	17.7	U			P
Lead			1.3	U	1.3	U	1.3	U			P
Magnesium			41.1	B	18.9	B	27.7	B			P
Manganese			0.4	B	0.2	U	0.2	B			P
Mercury			0.1	U							CV
Nickel			1.0	U	1.0	U	1.0	U			P
Potassium			11.9	U	11.9	U	11.9	U			P
Selenium			3.3	U	3.3	U	3.3	U			P
Silver			1.8	U	1.8	U	1.8	U			P
Sodium			250.0	U	250.0	U	250.0	U			P
Thallium			5.5	B	5.0	U	5.0	U			P
Vanadium			1.1	U	1.1	U	1.1	U			P
Zinc			4.2	U	4.2	U	4.2	U			P

0 5031

TOTAL METALS

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BLANKS

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 09154C

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Aluminum			92.5	B	55.2	U	55.2	U			P
Antimony			2.7	U	2.7	U	2.7	U			P
Arsenic			4.0	U	4.0	U	4.0	U			P
Barium			0.5	U	0.5	U	0.5	U			P
Beryllium			0.1	U	0.1	U	0.1	U			P
Cadmium			0.4	U	0.4	U	0.4	U			P
Calcium			140.0	U	140.0	U	140.0	U			P
Chromium			0.6	U	0.6	U	0.9	B			P
Cobalt			1.3	U	1.3	U	1.3	U			P
Copper			1.0	U	1.0	U	1.0	U			P
Iron			47.3	B	17.7	U	21.6	B			P
Lead			1.3	U	1.3	U	1.3	U			P
Magnesium			116.0	B	31.8	B	32.4	B			P
Manganese			0.2	U	0.2	B	0.3	B			P
Nickel			1.0	U	1.0	U	1.0	U			P
Potassium			11.9	U	-13.8	B	11.9	U			P
Selenium			3.3	U	3.3	U	3.3	U			P
Silver			1.8	U	1.8	U	1.8	U			P
Sodium			250.0	U	250.0	U	250.0	U			P
Thallium			5.0	U	5.0	U	5.2	B			P
Vanadium			1.1	U	1.1	U	1.1	U			P
Zinc			4.2	U	4.2	U	4.2	U			P

0 5032

TOTAL METALS

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BLANKS

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 09154C

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Aluminum			55.2	U	55.2	U	55.2	U			P
Antimony			2.7	U	4.2	B	2.7	U			P
Arsenic			4.0	U	4.0	U	4.0	U			P
Barium			0.5	U	0.5	U	0.5	U			P
Beryllium			-0.2	B	0.1	U	0.1	U			P
Cadmium			0.4	U	0.4	U	0.4	U			P
Calcium			140.0	U	140.0	U	140.0	U			P
Chromium			0.6	U	1.0	B	0.6	U			P
Cobalt			1.3	U	1.3	U	1.3	U			P
Copper			1.0	U	1.0	U	1.0	U			P
Iron			17.7	U	23.6	B	24.3	B			P
Lead			1.3	U	1.3	U	1.3	U			P
Magnesium			13.3	B	53.0	B	62.1	B			P
Manganese			0.2	U	0.4	B	0.2	U			P
Nickel			1.0	U	1.5	B	1.0	U			P
Potassium			11.9	U	11.9	U	11.9	U			P
Selenium			3.3	U	3.3	U	3.3	U			P
Silver			1.8	U	1.8	U	1.8	U			P
Sodium			250.0	U	250.0	U	250.0	U			P
Thallium			5.0	U	5.0	U	5.0	U			P
Vanadium			1.1	U	1.1	U	1.1	U			P
Zinc			4.2	U	4.2	U	4.2	U			P

TOTAL METALS

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BLANKS

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 09154C

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C		Preparation Blank	C		M
Aluminum			55.2	U	55.2	U	55.2	U					P
Antimony			2.7	U	2.7	U	3.6	B					P
Arsenic			4.0	U	4.0	U	4.0	U					P
Barium			0.5	U	0.5	U	0.5	U					P
Beryllium			-0.1	B	0.1	U	0.1	U					P
Cadmium			0.4	U	0.4	U	0.4	U					P
Calcium			140.0	U	140.0	U	140.0	U					P
Chromium			0.6	U	1.0	B	1.1	B					P
Cobalt			1.3	U	1.3	U	1.3	U					P
Copper			1.0	U	1.4	B	1.2	B					P
Iron			17.7	U	46.5	B	30.2	B					P
Lead			1.3	U	1.3	U	1.3	U					P
Magnesium			28.0	B	60.1	B	49.3	B					P
Manganese			0.2	U	0.6	B	0.3	B					P
Nickel			1.0	U	1.0	U	1.0	U					P
Potassium			11.9	U	12.3	B	11.9	U					P
Selenium			3.3	U	3.3	U	4.0	B					P
Silver			1.8	U	1.8	U	1.8	U					P
Sodium			250.0	U	250.0	U	250.0	U					P
Thallium			5.0	U	5.0	U	5.0	U					P
Vanadium			1.1	U	1.1	U	1.1	U					P
Zinc			4.2	U	4.2	U	4.2	U					P

0 5034

TOTAL METALS
-5A-
SPIKE SAMPLE RECOVERY

SAMPLE NO.

AA0426S

Contract:

Lab Code: Case No.: SAS SDG NO.: 09154C

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 84.4

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

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum	75 - 125	7275.9194		3040.2980		2369.67	178.7	N	P
Antimony	75 - 125	13.7105		1.2347	B	23.70	52.6	N	P
Arsenic	75 - 125	19.2039		14.4024		11.85	40.5	N	P
Barium	75 - 125	153.4833		38.7636		118.48	96.8		P
Beryllium	75 - 125	11.9292		0.2799		11.85	98.3		P
Cadmium	75 - 125	11.3104		0.0929	U	11.85	95.5		P
Calcium	75 - 125	2369.7803		1183.0836		1184.83	100.2		P
Chromium	75 - 125	52.5582		5.4353		47.39	99.4		P
Cobalt	75 - 125	116.3390		3.1458		118.48	95.5		P
Copper	75 - 125	68.2331		14.5991		59.24	90.5		P
Iron		20805.4397		25289.3418		2369.67	-189.2		P
Lead	75 - 125	215.3460		65.9413		118.48	126.1	N	P
Magnesium	75 - 125	1910.2673		533.4616		1184.83	116.2		P
Manganese	75 - 125	191.3876		79.4158		118.48	94.5		P
Mercury	75 - 125	0.6080		0.0196	U	0.58	104.0		CV
Nickel	75 - 125	123.5731		10.1636		118.48	95.7		P
Potassium	75 - 125	1921.4613		609.2481		1184.83	110.8		P
Selenium	75 - 125	11.2072		0.7667	U	11.85	94.6		P
Silver	75 - 125	11.3742		0.4182	U	11.85	96.0		P
Sodium	75 - 125	1334.0086		115.2335	B	1184.83	102.9		P
Thallium	75 - 125	9.7605		1.1616	U	11.85	82.4		P
Vanadium	75 - 125	135.1907		18.8767		118.48	98.2		P
Zinc	75 - 125	159.2464		53.7398		118.48	89.0		P

Comments:

0 5036

TOTAL METALS

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DUPLICATES

SAMPLE NO.

AA0426D

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 09154C

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 84.4 % Solids for Duplicate: 84.4

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

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum		3040.2980		3231.1563		6.1		P
Antimony		1.2347	B	0.6335	U	200.0		P
Arsenic		14.4024		8.0138		57.0	*	P
Barium		38.7636		42.2394		8.6		P
Beryllium	0.2	0.2799		0.2386		15.9		P
Cadmium		0.0929	U	0.0938	U			P
Calcium		1183.0836		1290.2793		8.7		P
Chromium	1.2	5.4353		5.9983		9.8		P
Cobalt	1.2	3.1458		2.9768		5.5		P
Copper		14.5991		10.9672		28.4	*	P
Iron		25289.3418		25986.3718		2.7		P
Lead		65.9413		90.3573		31.2	*	P
Magnesium		533.4616		636.4837		17.6		P
Manganese		79.4158		99.6232		22.6	*	P
Mercury		0.0196	U	0.0194	U			CV
Nickel		10.1636		9.8057		3.6		P
Potassium		609.2481		590.1417		3.2		P
Selenium		0.7667	U	0.7742	U			P
Silver		0.4182	U	0.4223	U			P
Sodium		115.2335	B	120.2307	B	4.2		P
Thallium		1.1616	U	1.1731	U			P
Vanadium		18.8767		20.8235		9.8		P
Zinc		53.7398		46.2901		14.9		P

0 5038

TOTAL METALS

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LABORATORY CONTROL SAMPLE

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 09154C

Solid LCS Source: HIGH PURITY/ERA

Aqueous LCS Source:

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Aluminum				2000.0	1951.5		1600.0	2400.0	97.6
Antimony				20.0	19.0		8.0	24.0	95.0
Arsenic				10.0	9.5		8.0	12.0	95.1
Barium				100.0	96.8		80.0	120.0	96.8
Beryllium				10.0	9.8		8.0	12.0	98.3
Cadmium				10.0	9.8		8.0	12.0	97.6
Calcium				1000.0	969.9		800.0	1200.0	97.0
Chromium				40.0	38.8		36.0	48.0	97.1
Cobalt				100.0	96.3		80.0	120.0	96.3
Copper				50.0	48.8		40.0	60.0	97.6
Iron				2000.0	1910.9		1600.0	2400.0	95.5
Lead				100.0	96.9		80.0	120.0	96.9
Magnesium				1000.0	991.3		800.0	1200.0	99.1
Manganese				100.0	97.1		80.0	120.0	97.1
Mercury				0.5	0.5		0.4	0.6	99.7
Nickel				100.0	96.9		80.0	120.0	96.9
Potassium				1000.0	952.5		800.0	1200.0	95.2
Selenium				10.0	9.7		8.0	12.0	97.2
Silver				10.0	9.6		8.0	12.0	96.3
Sodium				1000.0	1019.0		800.0	1200.0	101.9
Thallium				10.0	9.1		16.0	12.0	91.2
Vanadium				100.0	96.6		80.0	120.0	96.6
Zinc				100.0	98.5		80.0	120.0	98.5

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Summary of Analytical Results

Client ID AA0426
GPL ID: 9154-001-05-1
Matrix: Soil
Date Collected: Sep-25-2000
Date Received: Sep-26-2000

Prep Method: SW3550
Prep Date: Sep-29-2000
Prep Time: 08:30
Prep Chemist: Shila Soleimani

Analytical Method: SW8082
Date Analyzed: Oct-07-2000
Time Analyzed 03:10
Analyst: Philipos Yosief

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	39.5	ug/kg	U	1
PCB-1221	BQL	39.5	ug/kg	U	1
PCB-1232	BQL	39.5	ug/kg	U	1
PCB-1242	BQL	39.5	ug/kg	U	1
PCB-1248	BQL	39.5	ug/kg	U	1
PCB-1254	BQL	39.5	ug/kg	U	1
PCB-1260	357	78.9	ug/kg		1

Summary of Analytical Results

Client ID AA0427
GPL ID: 9154-004-05-1
Matrix: Soil
Date Collected: Sep-25-2000
Date Received: Sep-26-2000

Prep Method: SW3550
Prep Date: Sep-29-2000
Prep Time: 08:30
Prep Chemist: Shila Soleimani

Analytical Method: SW8082
Date Analyzed: Oct-18-2000
Time Analyzed 13:36
Analyst: Philipos Yosief

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	155	ug/kg	U	4
PCB-1221	BQL	155	ug/kg	U	4
PCB-1232	BQL	155	ug/kg	U	4
PCB-1242	BQL	155	ug/kg	U	4
PCB-1248	BQL	155	ug/kg	U	4
PCB-1254	BQL	155	ug/kg	U	4
PCB-1260	2480	309	ug/kg		4

Summary of Analytical Results

Client ID AA0428
GPL ID: 9154-005-05-1
Matrix: Soil
Date Collected: Sep-25-2000
Date Received: Sep-26-2000

Prep Method: SW3550
Prep Date: Sep-29-2000
Prep Time: 08:30
Prep Chemist: Shila Soleimani

Analytical Method: SW8082
Date Analyzed: Oct-07-2000
Time Analyzed 05:54
Analyst: Philipos Yosief

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	40.5	ug/kg	U	1
PCB-1221	BQL	40.5	ug/kg	U	1
PCB-1232	BQL	40.5	ug/kg	U	1
PCB-1242	BQL	40.5	ug/kg	U	1
PCB-1248	BQL	40.5	ug/kg	U	1
PCB-1254	BQL	40.5	ug/kg	U	1
PCB-1260	32.8	81	ug/kg	J	1

Summary of Analytical Results

Client ID AA0429
GPL ID: 9154-006-05-1
Matrix: Soil
Date Collected: Sep-25-2000
Date Received: Sep-26-2000

Prep Method: SW3550
Prep Date: Sep-29-2000
Prep Time: 08:30
Prep Chemist: Shila Soleimani

Analytical Method: SW8082
Date Analyzed: Oct-07-2000
Time Analyzed 06:21
Analyst: Philipos Yosief

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	38.4	ug/kg	U	1
PCB-1221	BQL	38.4	ug/kg	U	1
PCB-1232	BQL	38.4	ug/kg	U	1
PCB-1242	BQL	38.4	ug/kg	U	1
PCB-1248	BQL	38.4	ug/kg	U	1
PCB-1254	BQL	38.4	ug/kg	U	1
PCB-1260	32.9	76.7	ug/kg	J	1

Summary of Analytical Results

Client ID AA0431
GPL ID: 9154-007-05-1
Matrix: Soil
Date Collected: Sep-25-2000
Date Received: Sep-26-2000

Prep Method: SW3550
Prep Date: Sep-29-2000
Prep Time: 08:30
Prep Chemist: Shila Soleimani

Analytical Method: SW8082
Date Analyzed: Oct-07-2000
Time Analyzed 06:48
Analyst: Philipos Yosief

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	36.9	ug/kg	U	1
PCB-1221	BQL	36.9	ug/kg	U	1
PCB-1232	BQL	36.9	ug/kg	U	1
PCB-1242	BQL	36.9	ug/kg	U	1
PCB-1248	BQL	36.9	ug/kg	U	1
PCB-1254	BQL	36.9	ug/kg	U	1
PCB-1260	BQL	73.8	ug/kg	U	1
PCB-1260	53.0	73.8	ug/kg	J	1

Summary of Analytical Results

Client ID AA0432
GPL ID: 9154-008-05-1
Matrix: Soil
Date Collected: Sep-25-2000
Date Received: Sep-26-2000

Prep Method: SW3550
Prep Date: Sep-29-2000
Prep Time: 08:30
Prep Chemist: Shila Soleimani

Analytical Method: SW8082
Date Analyzed: Oct-18-2000
Time Analyzed 11:47
Analyst: Philipos Yosief

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	4030	ug/kg	U	100
PCB-1221	BQL	4030	ug/kg	U	100
PCB-1232	BQL	4030	ug/kg	U	100
PCB-1242	BQL	4030	ug/kg	U	100
PCB-1248	BQL	4030	ug/kg	U	100
PCB-1254	BQL	4030	ug/kg	U	100
PCB-1260	69800	8060	ug/kg		100

Summary of Analytical Results

Client ID AA0433
GPL ID: 9154-009-05-1
Matrix: Soil
Date Collected: Sep-25-2000
Date Received: Sep-26-2000

Prep Method: SW3550
Prep Date: Sep-29-2000
Prep Time: 08:30
Prep Chemist: Shila Soleimani

Analytical Method: SW8082
Date Analyzed: Oct-07-2000
Time Analyzed 07:43
Analyst: Philipos Yosief

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	37.3	ug/kg	U	1
PCB-1221	BQL	37.3	ug/kg	U	1
PCB-1232	BQL	37.3	ug/kg	U	1
PCB-1242	BQL	37.3	ug/kg	U	1
PCB-1248	BQL	37.3	ug/kg	U	1
PCB-1254	BQL	37.3	ug/kg	U	1
PCB-1260	BQL	74.5	ug/kg	U	1
PCB-1260	240	74.5	ug/kg		1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AA0434
GPL ID: 9154-010-04-1
Matrix: Soil
Date Collected: Sep-25-2000
Date Received: Sep-26-2000

Prep Method: SW3550
Prep Date: Sep-29-2000
Prep Time: 08:30
Prep Chemist: Shila Soleimani

Analytical Method: SW8082
Date Analyzed: Oct-07-2000
Time Analyzed 08:10
Analyst: Philipos Yosief

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	43	ug/kg	U	1
PCB-1221	BQL	43	ug/kg	U	1
PCB-1232	BQL	43	ug/kg	U	1
PCB-1242	BQL	43	ug/kg	U	1
PCB-1248	BQL	43	ug/kg	U	1
PCB-1254	BQL	43	ug/kg	U	1
PCB-1260	63.4	85.9	ug/kg	J	1

Summary of Analytical Results

Client ID AA0435
GPL ID: 9154-011-04-1
Matrix: Soil
Date Collected: Sep-25-2000
Date Received: Sep-26-2000

Prep Method: SW3550
Prep Date: Sep-29-2000
Prep Time: 08:30
Prep Chemist: Shila Soleimani

Analytical Method: SW8082
Date Analyzed: Oct-07-2000
Time Analyzed 08:38
Analyst: Philipos Yosief

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	42.5	ug/kg	U	1
PCB-1221	BQL	42.5	ug/kg	U	1
PCB-1232	BQL	42.5	ug/kg	U	1
PCB-1242	BQL	42.5	ug/kg	U	1
PCB-1248	BQL	42.5	ug/kg	U	1
PCB-1254	BQL	42.5	ug/kg	U	1
PCB-1260	71.0	85.1	ug/kg	J	1

Summary of Analytical Results

Client ID AA0445
GPL ID: 9154-013-05-1
Matrix: Soil
Date Collected: Sep-25-2000
Date Received: Sep-26-2000

Prep Method: SW3550
Prep Date: Sep-29-2000
Prep Time: 08:30
Prep Chemist: Shila Soleimani

Analytical Method: SW8082
Date Analyzed: Oct-07-2000
Time Analyzed 09:05
Analyst: Philipos Yosief

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	36.6	ug/kg	U	1
PCB-1221	BQL	36.6	ug/kg	U	1
PCB-1232	BQL	36.6	ug/kg	U	1
PCB-1242	BQL	36.6	ug/kg	U	1
PCB-1248	BQL	36.6	ug/kg	U	1
PCB-1254	BQL	36.6	ug/kg	U	1
PCB-1260	35.2	73.2	ug/kg	J	1

Summary of Analytical Results

Client ID AA0446
GPL ID: 9154-014-05-1
Matrix: Soil
Date Collected: Sep-25-2000
Date Received: Sep-26-2000

Prep Method: SW3550
Prep Date: Sep-29-2000
Prep Time: 08:30
Prep Chemist: Shila Soleimani

Analytical Method: SW8082
Date Analyzed: Oct-07-2000
Time Analyzed 09:32
Analyst: Philipos Yosief

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	41.5	ug/kg	U	1
PCB-1221	BQL	41.5	ug/kg	U	1
PCB-1232	BQL	41.5	ug/kg	U	1
PCB-1242	BQL	41.5	ug/kg	U	1
PCB-1248	BQL	41.5	ug/kg	U	1
PCB-1254	BQL	41.5	ug/kg	U	1
PCB-1260	8.62	83	ug/kg	J	1

Summary of Analytical Results

Client ID AA0447
GPL ID: 9154-015-05-1
Matrix: Soil
Date Collected: Sep-25-2000
Date Received: Sep-26-2000

Prep Method: SW3550
Prep Date: Sep-29-2000
Prep Time: 08:30
Prep Chemist: Shila Soleimani

Analytical Method: SW8082
Date Analyzed: Oct-07-2000
Time Analyzed 10:54
Analyst: Philipos Yosief

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	42.6	ug/kg	U	1
PCB-1221	BQL	42.6	ug/kg	U	1
PCB-1232	BQL	42.6	ug/kg	U	1
PCB-1242	BQL	42.6	ug/kg	U	1
PCB-1248	BQL	42.6	ug/kg	U	1
PCB-1254	BQL	42.6	ug/kg	U	1
PCB-1260	346	85.2	ug/kg		1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AA0448
GPL ID: 9154-016-05-1
Matrix: Soil
Date Collected: Sep-25-2000
Date Received: Sep-26-2000

Prep Method: SW3550
Prep Date: Sep-29-2000
Prep Time: 08:30
Prep Chemist: Shila Soleimani

Analytical Method: SW8082
Date Analyzed: Oct-07-2000
Time Analyzed 11:22
Analyst: Philipos Yosief

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	43.8	ug/kg	U	1
PCB-1221	BQL	43.8	ug/kg	U	1
PCB-1232	BQL	43.8	ug/kg	U	1
PCB-1242	BQL	43.8	ug/kg	U	1
PCB-1248	BQL	43.8	ug/kg	U	1
PCB-1254	BQL	43.8	ug/kg	U	1
PCB-1260	17.4	87.5	ug/kg	J	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AA0449
GPL ID: 9154-017-05-1
Matrix: Soil
Date Collected: Sep-25-2000
Date Received: Sep-26-2000

Prep Method: SW3550
Prep Date: Sep-29-2000
Prep Time: 08:30
Prep Chemist: Shila Soleimani

Analytical Method: SW8082
Date Analyzed: Oct-07-2000
Time Analyzed 11:49
Analyst: Philipos Yosief

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	39.2	ug/kg	U	1
PCB-1221	BQL	39.2	ug/kg	U	1
PCB-1232	BQL	39.2	ug/kg	U	1
PCB-1242	BQL	39.2	ug/kg	U	1
PCB-1248	BQL	39.2	ug/kg	U	1
PCB-1254	BQL	39.2	ug/kg	U	1
PCB-1260	13.4	78.4	ug/kg	J	1

Summary of Analytical Results

Client ID AA0450
GPL ID: 9154-018-05-1
Matrix: Soil
Date Collected: Sep-25-2000
Date Received: Sep-26-2000

Prep Method: SW3550
Prep Date: Sep-29-2000
Prep Time: 08:30
Prep Chemist: Shila Soleimani

Analytical Method: SW8082
Date Analyzed: Oct-07-2000
Time Analyzed 12:16
Analyst: Philipos Yosief

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	39.9	ug/kg	U	1
PCB-1221	BQL	39.9	ug/kg	U	1
PCB-1232	BQL	39.9	ug/kg	U	1
PCB-1242	BQL	39.9	ug/kg	U	1
PCB-1248	BQL	39.9	ug/kg	U	1
PCB-1254	BQL	39.9	ug/kg	U	1
PCB-1260	131	79.8	ug/kg		1

Summary of Analytical Results

Client ID AA0451
GPL ID: 9154-019-05-1
Matrix: Soil
Date Collected: Sep-25-2000
Date Received: Sep-26-2000

Prep Method: SW3550
Prep Date: Sep-29-2000
Prep Time: 08:30
Prep Chemist: Shila Soleimani

Analytical Method: SW8082
Date Analyzed: Oct-07-2000
Time Analyzed 12:44
Analyst: Philipos Yosief

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	38.2	ug/kg	U	1
PCB-1221	BQL	38.2	ug/kg	U	1
PCB-1232	BQL	38.2	ug/kg	U	1
PCB-1242	BQL	38.2	ug/kg	U	1
PCB-1248	BQL	38.2	ug/kg	U	1
PCB-1254	BQL	38.2	ug/kg	U	1
PCB-1260	215	76.4	ug/kg		1

Summary of Analytical Results

Client ID AA0453
GPL ID: 9154-020-05-1
Matrix: Soil
Date Collected: Sep-25-2000
Date Received: Sep-26-2000

Prep Method: SW3550
Prep Date: Sep-29-2000
Prep Time: 08:30
Prep Chemist: Shila Soleimani

Analytical Method: SW8082
Date Analyzed: Oct-07-2000
Time Analyzed 13:11
Analyst: Philipos Yosief

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	45.9	ug/kg	U	1
PCB-1221	BQL	45.9	ug/kg	U	1
PCB-1232	BQL	45.9	ug/kg	U	1
PCB-1242	BQL	45.9	ug/kg	U	1
PCB-1248	BQL	45.9	ug/kg	U	1
PCB-1254	BQL	45.9	ug/kg	U	1
PCB-1260	14.0	91.7	ug/kg	J	1

2F
SOIL PESTICIDE SURROGATE RECOVERY

Lab Name: GPL LABORATORIES Contract: IT CORPORATIO

Lab Code: GPLL Case No.: 9154 SAS No.: N/A SDG No.: N/A

GC Column (1) : RTx-5 ID: 0.53 (mm) GC Column (2) : RTx-1701 ID: 0.53 (mm)

	CLIENT SAMPLE ID	TCX 1 %REC #	TCX 2 %REC #	DCB 1 %REC #	DCB 2 %REC #	TOT OUT
01	PBLK-7050	109	99	111	110	0
02	PBLK-7050MS	117	101	109	114	0
03	AA0426	0*	0*	156*	90	3
04	AA0426 MS	2394*	2970*	151	94	2
05	AA0426 MSD	4667*	7659*	144	97	2
06	AA0428	93	97	100	100	0
07	AA0429	82	85	98	103	0
08	AA0431	79	70	119	93	0
09	AA0433	73	68	87	79	0
10	AA0434	103	101	124	105	0
11	AA0435	77	78	89	79	0
12	AA0445	100	109	97	83	0
13	AA0446	77	79	88	82	0
14	AA0447	81	85	273*	210*	2
15	AA0448	78	77	95	81	0
16	AA0449	84	79	89	90	0
17	AA0450	0*	0*	110	84	2
18	AA0451	65	51	85	72	0
19	AA0453	81	84	91	77	0
20	AA0432 DL	327* ~~3D~~	417* ~~4D~~	857* ~~9D~~	865* ~~9D~~	0
21	AA0427 DL	119 ~~28D~~	130 ~~32D~~	208* ~~52D~~	154 ~~39D~~	0

ADVISORY QC LIMITS

TCX = Tetrachloro-m-xylene (19-191)

DCB = Decachlorobiphenyl (21-155)

AMS 10/20/00

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogate diluted out

0 3003

3E

SOIL PCB's MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: GPL Laboratories Client: IT_CORPORATION

Lab Code: GPL Case No.: 9154 SAS No.: N/A SDG No.: N/A

EPA Sample No.: AA0426 MS/MSD GP ID: 9154-001-05-1 MS/MSD

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENTRATION (ug/kg)	MS CONCENTRATION (ug/kg)	MS % REC	QC LIMITS REC.
AR 1016	197	0	0	0 *	58-133
AR 1260	394	0	610	154	40-159

COMPOUND	SPIKE ADDED (ug/kg)	MSD CONCENTRATION (ug/kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC.
AR 1016	197	0	0 *	#### ##	20	58-133
AR 1260	394	580	147	4	15	40-159

* Value outside of QC limits

#####

Spike Recovery: 2 of 4 outside limits.

COMMENTS: _____

0 3004

3E
SOIL LABORATORY CONTROL SPIKE RECOVERY

Lab Name: GPL Laboratories | Client: IT_CORPORATION

Lab Code: GPL | Case No.: 9154 | SAS No.: N/A | SDG No.: N/A

EPA Sample No.: PBLK-7050MS | GP ID: PBLK-7050 MS

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENTRATION (ug/kg)	LCS CONCENTRATION (ug/kg)	LCS % REC	QC LIMITS REC
AR 1016	170	0	160	94	54-164
AR 1260	330	0	290	88	80-145

* Value outside of QC limits

Spike recovery: 0 out of 2 outside limits.

COMMENTS:

0 3005

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PBLK-7050

Lab Name: GPL LABORATORIES Contract: IT CORPORAT

Lab Code: GPLL Case No.: 9154 SAS No.: N/A SDG No.: N/A

Lab Sample ID: PBLK-7050 Lab File ID: K4129P.D

Matrix: (soil/water) SOIL Extraction: (SepF/Cont/Sonc) SONC

Sulfur Cleanup: (Y/N) N Date Extracted: 09/30/00

Date Analyzed (1) : 10/07/00 Date Analyzed (2) : 10/07/00

Time Analyzed (1) : 0215 Time Analyzed (2) : 0215

Instrument ID (1) : GC-K Instrument ID (2) : GC-K

GC Column (1) : RTx-5 ID: 0.53 (mm) GC Column (2) : RTx-1701 ID: 0.53 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	PBLK-7050MS	PBLK-7050 MS	10/07/00	10/07/00
02	AA0426	9154-001-05-1	10/07/00	10/07/00
03	AA0426 MS	9154-001-05-1 MS	10/07/00	10/07/00
04	AA0426 MSD	9154-001-05-1 MSD	10/07/00	10/07/00
05	AA0428	9154-005-05-1	10/07/00	10/07/00
06	AA0429	9154-006-05-1	10/07/00	10/07/00
07	AA0431	9154-007-05-1	10/07/00	10/07/00
08	AA0433	9154-009-05-1	10/07/00	10/07/00
09	AA0434	9154-010-05-1	10/07/00	10/07/00
10	AA0435	9154-011-05-1	10/07/00	10/07/00
11	AA0445	9154-013-05-1	10/07/00	10/07/00
12	AA0446	9154-014-05-1	10/07/00	10/07/00
13	AA0447	9154-015-05-1	10/07/00	10/07/00
14	AA0448	9154-016-05-1	10/07/00	10/07/00
15	AA0449	9154-017-05-1	10/07/00	10/07/00
16	AA0450	9154-018-05-1	10/07/00	10/07/00
17	AA0451	9154-019-05-1	10/07/00	10/07/00
18	AA0453	9154-020-05-1	10/07/00	10/07/00
19	AA0432 DL	9154-008-05-1 100X	10/18/00	10/18/00
20	AA0427 DL	9154-004-05-1 4X	10/18/00	10/18/00

COMMENTS:

0 3006

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AA0426
GPL ID: 9154-001-01-1
Matrix: Soil
Date Collected: Sep-25-2000
Date Received: Sep-26-2000

Prep Method: SW5035
Prep Date: Sep-28-2000
Prep Time: 08:09
Prep Chemist: NAZIH ABADEER

Analytical Method: SW8260B_TCL
Date Analyzed: Sep-28-2000
Time Analyzed 12:40
Analyst: NAZIH ABADEER

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	6.3	ug/kg	U	1
1,1,2,2-Tetrachloroethane	BQL	6.3	ug/kg	U	1
1,1,2-Trichloroethane	BQL	6.3	ug/kg	U	1
1,1-Dichloroethane	BQL	6.3	ug/kg	U	1
1,1-Dichloroethene	BQL	6.3	ug/kg	U	1
1,2-Dichloroethane	BQL	6.3	ug/kg	U	1
1,2-Dichloropropane	BQL	6.3	ug/kg	U	1
2-Butanone	BQL	12.6	ug/kg	U	1
2-Hexanone	BQL	12.6	ug/kg	U	1
4-Methyl-2-Pentanone	BQL	12.6	ug/kg	U	1
Acetone	60.8	12.6	ug/kg		1
Benzene	BQL	6.3	ug/kg	U	1
Bromodichloromethane	BQL	6.3	ug/kg	U	1
Bromoform	BQL	6.3	ug/kg	U	1
Bromomethane	BQL	12.6	ug/kg	U	1
Carbon Disulfide	BQL	6.3	ug/kg	U	1
Carbon Tetrachloride	BQL	6.3	ug/kg	U	1
Chlorobenzene	BQL	6.3	ug/kg	U	1
Chloroethane	BQL	12.6	ug/kg	U	1
Chloroform	BQL	6.3	ug/kg	U	1
Chloromethane	BQL	12.6	ug/kg	U	1
Dibromochloromethane	BQL	6.3	ug/kg	U	1
Ethylbenzene	BQL	6.3	ug/kg	U	1
Methylene Chloride	95.7	6.3	ug/kg	B	1
Styrene	BQL	6.3	ug/kg	U	1
Tetrachloroethene	BQL	6.3	ug/kg	U	1
Toluene	BQL	6.3	ug/kg	U	1
Trichloroethene	BQL	6.3	ug/kg	U	1
Vinyl Chloride	BQL	12.6	ug/kg	U	1
cis-1,2-Dichloroethene	BQL	6.3	ug/kg	U	1
cis-1,3-Dichloropropene	BQL	6.3	ug/kg	U	1
m,p-Xylenes	BQL	6.3	ug/kg	U	1
o-Xylene	BQL	6.3	ug/kg	U	1
trans-1,2-dichloroethene	BQL	6.3	ug/kg	U	1
trans-1,3-dichloropropene	BQL	6.3	ug/kg	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AA0427
GPL ID: 9154-004-01-1
Matrix: Soil
Date Collected: Sep-25-2000
Date Received: Sep-26-2000

Prep Method: SW5035
Prep Date: Sep-27-2000
Prep Time: 07:40
Prep Chemist: NAZIH ABADEER

Analytical Method: SW8260B_TCL
Date Analyzed: Sep-27-2000
Time Analyzed 19:37
Analyst: NAZIH ABADEER

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	6.15	ug/kg	U	1
1,1,2,2-Tetrachloroethane	BQL	6.15	ug/kg	U	1
1,1,2-Trichloroethane	BQL	6.15	ug/kg	U	1
1,1-Dichloroethane	BQL	6.15	ug/kg	U	1
1,1-Dichloroethene	BQL	6.15	ug/kg	U	1
1,2-Dichloroethane	BQL	6.15	ug/kg	U	1
1,2-Dichloropropane	BQL	6.15	ug/kg	U	1
2-Butanone	BQL	12.3	ug/kg	U	1
2-Hexanone	BQL	12.3	ug/kg	U	1
4-Methyl-2-Pentanone	BQL	12.3	ug/kg	U	1
Acetone	188	12.3	ug/kg		1
Benzene	BQL	6.15	ug/kg	U	1
Bromodichloromethane	BQL	6.15	ug/kg	U	1
Bromoform	BQL	6.15	ug/kg	U	1
Bromomethane	BQL	12.3	ug/kg	U	1
Carbon Disulfide	BQL	6.15	ug/kg	U	1
Carbon Tetrachloride	BQL	6.15	ug/kg	U	1
Chlorobenzene	BQL	6.15	ug/kg	U	1
Chloroethane	BQL	12.3	ug/kg	U	1
Chloroform	BQL	6.15	ug/kg	U	1
Chloromethane	BQL	12.3	ug/kg	U	1
Dibromochloromethane	BQL	6.15	ug/kg	U	1
Ethylbenzene	BQL	6.15	ug/kg	U	1
Methylene Chloride	56.7	6.15	ug/kg	B	1
Styrene	BQL	6.15	ug/kg	U	1
Tetrachloroethene	BQL	6.15	ug/kg	U	1
Toluene	BQL	6.15	ug/kg	U	1
Trichloroethene	BQL	6.15	ug/kg	U	1
Vinyl Chloride	BQL	12.3	ug/kg	U	1
cis-1,2-Dichloroethene	BQL	6.15	ug/kg	U	1
cis-1,3-Dichloropropene	BQL	6.15	ug/kg	U	1
m,p-Xylenes	BQL	6.15	ug/kg	U	1
o-Xylene	BQL	6.15	ug/kg	U	1
trans-1,2-dichloroethene	BQL	6.15	ug/kg	U	1
trans-1,3-dichloropropene	BQL	6.15	ug/kg	U	1

Summary of Analytical Results

Client ID AA0428
GPL ID: 9154-005-01-1
Matrix: Soil
Date Collected: Sep-25-2000
Date Received: Sep-26-2000

Prep Method: SW5035
Prep Date: Sep-28-2000
Prep Time: 08:09
Prep Chemist: NAZIH ABADEER

Analytical Method: SW8260B_TCL
Date Analyzed: Sep-28-2000
Time Analyzed 14:54
Analyst: NAZIH ABADEER

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	5.87	ug/kg	U	1
1,1,2,2-Tetrachloroethane	BQL	5.87	ug/kg	U	1
1,1,2-Trichloroethane	BQL	5.87	ug/kg	U	1
1,1-Dichloroethane	BQL	5.87	ug/kg	U	1
1,1-Dichloroethene	BQL	5.87	ug/kg	U	1
1,2-Dichloroethane	BQL	5.87	ug/kg	U	1
1,2-Dichloropropane	BQL	5.87	ug/kg	U	1
2-Butanone	BQL	11.7	ug/kg	U	1
2-Hexanone	BQL	11.7	ug/kg	U	1
4-Methyl-2-Pentanone	BQL	11.7	ug/kg	U	1
Acetone	27.7	11.7	ug/kg		1
Benzene	BQL	5.87	ug/kg	U	1
Bromodichloromethane	BQL	5.87	ug/kg	U	1
Bromoform	BQL	5.87	ug/kg	U	1
Bromomethane	BQL	11.7	ug/kg	U	1
Carbon Disulfide	6.71	5.87	ug/kg		1
Carbon Tetrachloride	BQL	5.87	ug/kg	U	1
Chlorobenzene	BQL	5.87	ug/kg	U	1
Chloroethane	BQL	11.7	ug/kg	U	1
Chloroform	BQL	5.87	ug/kg	U	1
Chloromethane	BQL	11.7	ug/kg	U	1
Dibromochloromethane	BQL	5.87	ug/kg	U	1
Ethylbenzene	BQL	5.87	ug/kg	U	1
Methylene Chloride	52.2	5.87	ug/kg	B	1
Styrene	BQL	5.87	ug/kg	U	1
Tetrachloroethene	BQL	5.87	ug/kg	U	1
Toluene	2.54	5.87	ug/kg	J	1
Trichloroethene	BQL	5.87	ug/kg	U	1
Vinyl Chloride	BQL	11.7	ug/kg	U	1
cis-1,2-Dichloroethene	BQL	5.87	ug/kg	U	1
cis-1,3-Dichloropropene	BQL	5.87	ug/kg	U	1
m,p-Xylenes	BQL	5.87	ug/kg	U	1
o-Xylene	BQL	5.87	ug/kg	U	1
trans-1,2-dichloroethene	BQL	5.87	ug/kg	U	1
trans-1,3-dichloropropene	BQL	5.87	ug/kg	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AA0429
GPL ID: 9154-006-01-1
Matrix: Soil
Date Collected: Sep-25-2000
Date Received: Sep-26-2000

Prep Method: SW5035
Prep Date: Sep-28-2000
Prep Time: 08:09
Prep Chemist: NAZIH ABADEER

Analytical Method: SW8260B_TCL
Date Analyzed: Sep-28-2000
Time Analyzed 15:35
Analyst: NAZIH ABADEER

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	5.76	ug/kg	U	1
1,1,2,2-Tetrachloroethane	BQL	5.76	ug/kg	U	1
1,1,2-Trichloroethane	BQL	5.76	ug/kg	U	1
1,1-Dichloroethane	BQL	5.76	ug/kg	U	1
1,1-Dichloroethene	BQL	5.76	ug/kg	U	1
1,2-Dichloroethane	BQL	5.76	ug/kg	U	1
1,2-Dichloropropane	BQL	5.76	ug/kg	U	1
2-Butanone	BQL	11.5	ug/kg	U	1
2-Hexanone	BQL	11.5	ug/kg	U	1
4-Methyl-2-Pentanone	BQL	11.5	ug/kg	U	1
Acetone	37.8	11.5	ug/kg		1
Benzene	BQL	5.76	ug/kg	U	1
Bromodichloromethane	BQL	5.76	ug/kg	U	1
Bromoform	BQL	5.76	ug/kg	U	1
Bromomethane	BQL	11.5	ug/kg	U	1
Carbon Disulfide	6.93	5.76	ug/kg		1
Carbon Tetrachloride	BQL	5.76	ug/kg	U	1
Chlorobenzene	BQL	5.76	ug/kg	U	1
Chloroethane	BQL	11.5	ug/kg	U	1
Chloroform	BQL	5.76	ug/kg	U	1
Chloromethane	BQL	11.5	ug/kg	U	1
Dibromochloromethane	BQL	5.76	ug/kg	U	1
Ethylbenzene	BQL	5.76	ug/kg	U	1
Methylene Chloride	54.9	5.76	ug/kg	B	1
Styrene	BQL	5.76	ug/kg	U	1
Tetrachloroethene	BQL	5.76	ug/kg	U	1
Toluene	BQL	5.76	ug/kg	U	1
Trichloroethene	BQL	5.76	ug/kg	U	1
Vinyl Chloride	BQL	11.5	ug/kg	U	1
cis-1,2-Dichloroethene	BQL	5.76	ug/kg	U	1
cis-1,3-Dichloropropene	BQL	5.76	ug/kg	U	1
m,p-Xylenes	BQL	5.76	ug/kg	U	1
o-Xylene	BQL	5.76	ug/kg	U	1
trans-1,2-dichloroethene	BQL	5.76	ug/kg	U	1
trans-1,3-dichloropropene	BQL	5.76	ug/kg	U	1

Summary of Analytical Results

Client ID AA0431
GPL ID: 9154-007-02-1
Matrix: Soil
Date Collected: Sep-25-2000
Date Received: Sep-26-2000

Prep Method: SW5035
Prep Date: Sep-29-2000
Prep Time: 08:16
Prep Chemist: NAZIH ABADEER

Analytical Method: SW8260B_TCL
Date Analyzed: Sep-29-2000
Time Analyzed 17:26
Analyst: NAZIH ABADEER

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	5.73	ug/kg	U	1
1,1,2,2-Tetrachloroethane	BQL	5.73	ug/kg	U	1
1,1,2-Trichloroethane	BQL	5.73	ug/kg	U	1
1,1-Dichloroethane	BQL	5.73	ug/kg	U	1
1,1-Dichloroethene	BQL	5.73	ug/kg	U	1
1,2-Dichloroethane	BQL	5.73	ug/kg	U	1
1,2-Dichloropropane	BQL	5.73	ug/kg	U	1
2-Butanone	BQL	11.5	ug/kg	U	1
2-Hexanone	BQL	11.5	ug/kg	U	1
4-Methyl-2-Pentanone	BQL	11.5	ug/kg	U	1
Acetone	60.0	11.5	ug/kg		1
Benzene	BQL	5.73	ug/kg	U	1
Bromodichloromethane	BQL	5.73	ug/kg	U	1
Bromoform	BQL	5.73	ug/kg	U	1
Bromomethane	BQL	11.5	ug/kg	U	1
Carbon Disulfide	BQL	5.73	ug/kg	U	1
Carbon Tetrachloride	BQL	5.73	ug/kg	U	1
Chlorobenzene	BQL	5.73	ug/kg	U	1
Chloroethane	BQL	11.5	ug/kg	U	1
Chloroform	BQL	5.73	ug/kg	U	1
Chloromethane	BQL	11.5	ug/kg	U	1
Dibromochloromethane	BQL	5.73	ug/kg	U	1
Ethylbenzene	BQL	5.73	ug/kg	U	1
Methylene Chloride	35.7	5.73	ug/kg	B	1
Styrene	BQL	5.73	ug/kg	U	1
Tetrachloroethene	BQL	5.73	ug/kg	U	1
Toluene	BQL	5.73	ug/kg	U	1
Trichloroethene	BQL	5.73	ug/kg	U	1
Vinyl Chloride	BQL	11.5	ug/kg	U	1
cis-1,2-Dichloroethene	BQL	5.73	ug/kg	U	1
cis-1,3-Dichloropropene	BQL	5.73	ug/kg	U	1
m,p-Xylenes	BQL	5.73	ug/kg	U	1
o-Xylene	BQL	5.73	ug/kg	U	1
trans-1,2-dichloroethene	BQL	5.73	ug/kg	U	1
trans-1,3-dichloropropene	BQL	5.73	ug/kg	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AA0432
GPL ID: 9154-008-01-1
Matrix: Soil
Date Collected: Sep-25-2000
Date Received: Sep-26-2000

Prep Method: SW5035
Prep Date: Sep-28-2000
Prep Time: 08:09
Prep Chemist: NAZIH ABADEER

Analytical Method: SW8260B_TCL
Date Analyzed: Sep-28-2000
Time Analyzed 16:57
Analyst: NAZIH ABADEER

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	6.11	ug/kg	U	1
1,1,2,2-Tetrachloroethane	BQL	6.11	ug/kg	U	1
1,1,2-Trichloroethane	BQL	6.11	ug/kg	U	1
1,1-Dichloroethane	BQL	6.11	ug/kg	U	1
1,1-Dichloroethene	BQL	6.11	ug/kg	U	1
1,2-Dichloroethane	BQL	6.11	ug/kg	U	1
1,2-Dichloropropane	BQL	6.11	ug/kg	U	1
2-Butanone	BQL	12.2	ug/kg	U	1
2-Hexanone	BQL	12.2	ug/kg	U	1
4-Methyl-2-Pentanone	BQL	12.2	ug/kg	U	1
Acetone	83.7	12.2	ug/kg		1
Benzene	BQL	6.11	ug/kg	U	1
Bromodichloromethane	BQL	6.11	ug/kg	U	1
Bromoform	BQL	6.11	ug/kg	U	1
Bromomethane	BQL	12.2	ug/kg	U	1
Carbon Disulfide	BQL	6.11	ug/kg	U	1
Carbon Tetrachloride	BQL	6.11	ug/kg	U	1
Chlorobenzene	BQL	6.11	ug/kg	U	1
Chloroethane	BQL	12.2	ug/kg	U	1
Chloroform	BQL	6.11	ug/kg	U	1
Chloromethane	BQL	12.2	ug/kg	U	1
Dibromochloromethane	BQL	6.11	ug/kg	U	1
Ethylbenzene	BQL	6.11	ug/kg	U	1
Methylene Chloride	32.5	6.11	ug/kg	B	1
Styrene	BQL	6.11	ug/kg	U	1
Tetrachloroethene	BQL	6.11	ug/kg	U	1
Toluene	BQL	6.11	ug/kg	U	1
Trichloroethene	BQL	6.11	ug/kg	U	1
Vinyl Chloride	BQL	12.2	ug/kg	U	1
cis-1,2-Dichloroethene	BQL	6.11	ug/kg	U	1
cis-1,3-Dichloropropene	BQL	6.11	ug/kg	U	1
m,p-Xylenes	BQL	6.11	ug/kg	U	1
o-Xylene	BQL	6.11	ug/kg	U	1
trans-1,2-dichloroethene	BQL	6.11	ug/kg	U	1
trans-1,3-dichloropropene	BQL	6.11	ug/kg	U	1

Summary of Analytical Results

Client ID AA0433
GPL ID: 9154-009-01-1
Matrix: Soil
Date Collected: Sep-25-2000
Date Received: Sep-26-2000

Prep Method: SW5035
Prep Date: Sep-28-2000
Prep Time: 08:09
Prep Chemist: NAZIH ABADEER

Analytical Method: SW8260B_TCL
Date Analyzed: Sep-28-2000
Time Analyzed 17:37
Analyst: NAZIH ABADEER

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	5.86	ug/kg	U	1
1,1,2,2-Tetrachloroethane	BQL	5.86	ug/kg	U	1
1,1,2-Trichloroethane	BQL	5.86	ug/kg	U	1
1,1-Dichloroethane	BQL	5.86	ug/kg	U	1
1,1-Dichloroethene	BQL	5.86	ug/kg	U	1
1,2-Dichloroethane	BQL	5.86	ug/kg	U	1
1,2-Dichloropropane	BQL	5.86	ug/kg	U	1
2-Butanone	BQL	11.7	ug/kg	U	1
2-Hexanone	BQL	11.7	ug/kg	U	1
4-Methyl-2-Pentanone	BQL	11.7	ug/kg	U	1
Acetone	55.0	11.7	ug/kg		1
Benzene	BQL	5.86	ug/kg	U	1
Bromodichloromethane	BQL	5.86	ug/kg	U	1
Bromoform	BQL	5.86	ug/kg	U	1
Bromomethane	BQL	11.7	ug/kg	U	1
Carbon Disulfide	BQL	5.86	ug/kg	U	1
Carbon Tetrachloride	BQL	5.86	ug/kg	U	1
Chlorobenzene	BQL	5.86	ug/kg	U	1
Chloroethane	BQL	11.7	ug/kg	U	1
Chloroform	BQL	5.86	ug/kg	U	1
Chloromethane	BQL	11.7	ug/kg	U	1
Dibromochloromethane	BQL	5.86	ug/kg	U	1
Ethylbenzene	BQL	5.86	ug/kg	U	1
Methylene Chloride	79.5	5.86	ug/kg	B	1
Styrene	BQL	5.86	ug/kg	U	1
Tetrachloroethene	BQL	5.86	ug/kg	U	1
Toluene	BQL	5.86	ug/kg	U	1
Trichloroethene	BQL	5.86	ug/kg	U	1
Vinyl Chloride	BQL	11.7	ug/kg	U	1
cis-1,2-Dichloroethene	BQL	5.86	ug/kg	U	1
cis-1,3-Dichloropropene	BQL	5.86	ug/kg	U	1
m,p-Xylenes	BQL	5.86	ug/kg	U	1
o-Xylene	BQL	5.86	ug/kg	U	1
trans-1,2-dichloroethene	BQL	5.86	ug/kg	U	1
trans-1,3-dichloropropene	BQL	5.86	ug/kg	U	1

Summary of Analytical Results

Client ID AA0434
GPL ID: 9154-010-01-1
Matrix: Soil
Date Collected: Sep-25-2000
Date Received: Sep-26-2000

Prep Method: SW5035
Prep Date: Sep-28-2000
Prep Time: 08:09
Prep Chemist: NAZIH ABADEER

Analytical Method: SW8260B_TCL
Date Analyzed: Sep-28-2000
Time Analyzed 18:17
Analyst: NAZIH ABADEER

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	8.14	ug/kg	U	1
1,1,2,2-Tetrachloroethane	BQL	8.14	ug/kg	U	1
1,1,2-Trichloroethane	BQL	8.14	ug/kg	U	1
1,1-Dichloroethane	BQL	8.14	ug/kg	U	1
1,1-Dichloroethene	BQL	8.14	ug/kg	U	1
1,2-Dichloroethane	BQL	8.14	ug/kg	U	1
1,2-Dichloropropane	BQL	8.14	ug/kg	U	1
2-Butanone	BQL	16.3	ug/kg	U	1
2-Hexanone	BQL	16.3	ug/kg	U	1
4-Methyl-2-Pentanone	BQL	16.3	ug/kg	U	1
Acetone	63.6	16.3	ug/kg		1
Benzene	BQL	8.14	ug/kg	U	1
Bromodichloromethane	BQL	8.14	ug/kg	U	1
Bromoform	BQL	8.14	ug/kg	U	1
Bromomethane	BQL	16.3	ug/kg	U	1
Carbon Disulfide	BQL	8.14	ug/kg	U	1
Carbon Tetrachloride	BQL	8.14	ug/kg	U	1
Chlorobenzene	BQL	8.14	ug/kg	U	1
Chloroethane	BQL	16.3	ug/kg	U	1
Chloroform	BQL	8.14	ug/kg	U	1
Chloromethane	BQL	16.3	ug/kg	U	1
Dibromochloromethane	BQL	8.14	ug/kg	U	1
Ethylbenzene	BQL	8.14	ug/kg	U	1
Methylene Chloride	37.0	8.14	ug/kg	B	1
Styrene	BQL	8.14	ug/kg	U	1
Tetrachloroethene	BQL	8.14	ug/kg	U	1
Toluene	BQL	8.14	ug/kg	U	1
Trichloroethene	BQL	8.14	ug/kg	U	1
Vinyl Chloride	BQL	16.3	ug/kg	U	1
cis-1,2-Dichloroethene	BQL	8.14	ug/kg	U	1
cis-1,3-Dichloropropene	BQL	8.14	ug/kg	U	1
m,p-Xylenes	BQL	8.14	ug/kg	U	1
o-Xylene	BQL	8.14	ug/kg	U	1
trans-1,2-dichloroethene	BQL	8.14	ug/kg	U	1
trans-1,3-dichloropropene	BQL	8.14	ug/kg	U	1

Summary of Analytical Results

Client ID AA0435
GPL ID: 9154-011-01-1
Matrix: Soil
Date Collected: Sep-25-2000
Date Received: Sep-26-2000

Prep Method: SW5035
Prep Date: Sep-28-2000
Prep Time: 08:09
Prep Chemist: NAZIH ABADEER

Analytical Method: SW8260B_TCL
Date Analyzed: Sep-28-2000
Time Analyzed 18:57
Analyst: NAZIH ABADEER

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	6.09	ug/kg	U	1
1,1,2,2-Tetrachloroethane	BQL	6.09	ug/kg	U	1
1,1,2-Trichloroethane	BQL	6.09	ug/kg	U	1
1,1-Dichloroethane	BQL	6.09	ug/kg	U	1
1,1-Dichloroethene	BQL	6.09	ug/kg	U	1
1,2-Dichloroethane	BQL	6.09	ug/kg	U	1
1,2-Dichloropropane	BQL	6.09	ug/kg	U	1
2-Butanone	BQL	12.2	ug/kg	U	1
2-Hexanone	BQL	12.2	ug/kg	U	1
4-Methyl-2-Pentanone	BQL	12.2	ug/kg	U	1
Acetone	21.9	12.2	ug/kg		1
Benzene	BQL	6.09	ug/kg	U	1
Bromodichloromethane	BQL	6.09	ug/kg	U	1
Bromoform	BQL	6.09	ug/kg	U	1
Bromomethane	BQL	12.2	ug/kg	U	1
Carbon Disulfide	BQL	6.09	ug/kg	U	1
Carbon Tetrachloride	BQL	6.09	ug/kg	U	1
Chlorobenzene	BQL	6.09	ug/kg	U	1
Chloroethane	BQL	12.2	ug/kg	U	1
Chloroform	BQL	6.09	ug/kg	U	1
Chloromethane	BQL	12.2	ug/kg	U	1
Dibromochloromethane	BQL	6.09	ug/kg	U	1
Ethylbenzene	BQL	6.09	ug/kg	U	1
Methylene Chloride	15.8	6.09	ug/kg	B	1
Styrene	BQL	6.09	ug/kg	U	1
Tetrachloroethene	BQL	6.09	ug/kg	U	1
Toluene	BQL	6.09	ug/kg	U	1
Trichloroethene	BQL	6.09	ug/kg	U	1
Vinyl Chloride	BQL	12.2	ug/kg	U	1
cis-1,2-Dichloroethene	BQL	6.09	ug/kg	U	1
cis-1,3-Dichloropropene	BQL	6.09	ug/kg	U	1
m,p-Xylenes	BQL	6.09	ug/kg	U	1
o-Xylene	BQL	6.09	ug/kg	U	1
trans-1,2-dichloroethene	BQL	6.09	ug/kg	U	1
trans-1,3-dichloropropene	BQL	6.09	ug/kg	U	1

Summary of Analytical Results

Client ID AA0440
GPL ID: 9154-012-01-1
Matrix: Soil
Date Collected: Sep-25-2000
Date Received: Sep-26-2000

Prep Method: SW5035
Prep Date: Sep-28-2000
Prep Time: 08:09
Prep Chemist: NAZIH ABADEER

Analytical Method: SW8260B_TCL
Date Analyzed: Sep-28-2000
Time Analyzed 19:37
Analyst: NAZIH ABADEER

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	5	ug/kg	U	1
1,1,2,2-Tetrachloroethane	BQL	5	ug/kg	U	1
1,1,2-Trichloroethane	BQL	5	ug/kg	U	1
1,1-Dichloroethane	BQL	5	ug/kg	U	1
1,1-Dichloroethene	BQL	5	ug/kg	U	1
1,2-Dichloroethane	BQL	5	ug/kg	U	1
1,2-Dichloropropane	BQL	5	ug/kg	U	1
2-Butanone	BQL	10	ug/kg	U	1
2-Hexanone	BQL	10	ug/kg	U	1
4-Methyl-2-Pentanone	BQL	10	ug/kg	U	1
Acetone	45.8	10	ug/kg		1
Benzene	BQL	5	ug/kg	U	1
Bromodichloromethane	BQL	5	ug/kg	U	1
Bromoform	BQL	5	ug/kg	U	1
Bromomethane	BQL	10	ug/kg	U	1
Carbon Disulfide	BQL	5	ug/kg	U	1
Carbon Tetrachloride	BQL	5	ug/kg	U	1
Chlorobenzene	BQL	5	ug/kg	U	1
Chloroethane	BQL	10	ug/kg	U	1
Chloroform	BQL	5	ug/kg	U	1
Chloromethane	BQL	10	ug/kg	U	1
Dibromochloromethane	BQL	5	ug/kg	U	1
Ethylbenzene	BQL	5	ug/kg	U	1
Methylene Chloride	36.5	4.81	ug/kg	B	1
Styrene	BQL	5	ug/kg	U	1
Tetrachloroethene	BQL	5	ug/kg	U	1
Toluene	BQL	5	ug/kg	U	1
Trichloroethene	BQL	5	ug/kg	U	1
Vinyl Chloride	BQL	10	ug/kg	U	1
cis-1,2-Dichloroethene	BQL	5	ug/kg	U	1
cis-1,3-Dichloropropene	BQL	5	ug/kg	U	1
m,p-Xylenes	BQL	5	ug/kg	U	1
o-Xylene	BQL	5	ug/kg	U	1
trans-1,2-dichloroethene	BQL	5	ug/kg	U	1
trans-1,3-dichloropropene	BQL	5	ug/kg	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AA0445
GPL ID: 9154-013-01-1
Matrix: Soil
Date Collected: Sep-25-2000
Date Received: Sep-26-2000

Prep Method: SW5035
Prep Date: Sep-29-2000
Prep Time: 08:16
Prep Chemist: NAZIH ABADEER

Analytical Method: SW8260B_TCL
Date Analyzed: Sep-29-2000
Time Analyzed 11:05
Analyst: NAZIH ABADEER

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	5.33	ug/kg	U	1
1,1,2,2-Tetrachloroethane	BQL	5.33	ug/kg	U	1
1,1,2-Trichloroethane	BQL	5.33	ug/kg	U	1
1,1-Dichloroethane	BQL	5.33	ug/kg	U	1
1,1-Dichloroethene	BQL	5.33	ug/kg	U	1
1,2-Dichloroethane	BQL	5.33	ug/kg	U	1
1,2-Dichloropropane	BQL	5.33	ug/kg	U	1
2-Butanone	BQL	10.7	ug/kg	U	1
2-Hexanone	BQL	10.7	ug/kg	U	1
4-Methyl-2-Pentanone	BQL	10.7	ug/kg	U	1
Acetone	21.7	10.7	ug/kg		1
Benzene	BQL	5.33	ug/kg	U	1
Bromodichloromethane	BQL	5.33	ug/kg	U	1
Bromoform	BQL	5.33	ug/kg	U	1
Bromomethane	BQL	10.7	ug/kg	U	1
Carbon Disulfide	BQL	5.33	ug/kg	U	1
Carbon Tetrachloride	BQL	5.33	ug/kg	U	1
Chlorobenzene	BQL	5.33	ug/kg	U	1
Chloroethane	BQL	10.7	ug/kg	U	1
Chloroform	BQL	5.33	ug/kg	U	1
Chloromethane	BQL	10.7	ug/kg	U	1
Dibromochloromethane	BQL	5.33	ug/kg	U	1
Ethylbenzene	BQL	5.33	ug/kg	U	1
Methylene Chloride	32.3	5.33	ug/kg	B	1
Styrene	BQL	5.33	ug/kg	U	1
Tetrachloroethene	BQL	5.33	ug/kg	U	1
Toluene	BQL	5.33	ug/kg	U	1
Trichloroethene	BQL	5.33	ug/kg	U	1
Vinyl Chloride	BQL	10.7	ug/kg	U	1
cis-1,2-Dichloroethene	BQL	5.33	ug/kg	U	1
cis-1,3-Dichloropropene	BQL	5.33	ug/kg	U	1
m,p-Xylenes	BQL	5.33	ug/kg	U	1
o-Xylene	BQL	5.33	ug/kg	U	1
trans-1,2-dichloroethene	BQL	5.33	ug/kg	U	1
trans-1,3-dichloropropene	BQL	5.33	ug/kg	U	1

Summary of Analytical Results

Client ID AA0446
GPL ID: 9154-014-01-1
Matrix: Soil
Date Collected: Sep-25-2000
Date Received: Sep-26-2000

Prep Method: SW5035
Prep Date: Sep-29-2000
Prep Time: 08:16
Prep Chemist: NAZIH ABADEER

Analytical Method: SW8260B_TCL
Date Analyzed: Sep-29-2000
Time Analyzed 11:45
Analyst: NAZIH ABADEER

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	5.72	ug/kg	U	1
1,1,2,2-Tetrachloroethane	BQL	5.72	ug/kg	U	1
1,1,2-Trichloroethane	BQL	5.72	ug/kg	U	1
1,1-Dichloroethane	BQL	5.72	ug/kg	U	1
1,1-Dichloroethene	BQL	5.72	ug/kg	U	1
1,2-Dichloroethane	BQL	5.72	ug/kg	U	1
1,2-Dichloropropane	BQL	5.72	ug/kg	U	1
2-Butanone	BQL	11.4	ug/kg	U	1
2-Hexanone	BQL	11.4	ug/kg	U	1
4-Methyl-2-Pentanone	BQL	11.4	ug/kg	U	1
Acetone	24.2	11.4	ug/kg		1
Benzene	BQL	5.72	ug/kg	U	1
Bromodichloromethane	BQL	5.72	ug/kg	U	1
Bromoform	BQL	5.72	ug/kg	U	1
Bromomethane	BQL	11.4	ug/kg	U	1
Carbon Disulfide	3.24	5.72	ug/kg	J	1
Carbon Tetrachloride	BQL	5.72	ug/kg	U	1
Chlorobenzene	BQL	5.72	ug/kg	U	1
Chloroethane	BQL	11.4	ug/kg	U	1
Chloroform	BQL	5.72	ug/kg	U	1
Chloromethane	BQL	11.4	ug/kg	U	1
Dibromochloromethane	BQL	5.72	ug/kg	U	1
Ethylbenzene	BQL	5.72	ug/kg	U	1
Methylene Chloride	80.5	5.72	ug/kg	B	1
Styrene	BQL	5.72	ug/kg	U	1
Tetrachloroethene	BQL	5.72	ug/kg	U	1
Toluene	BQL	5.72	ug/kg	U	1
Trichloroethene	BQL	5.72	ug/kg	U	1
Vinyl Chloride	BQL	11.4	ug/kg	U	1
cis-1,2-Dichloroethene	BQL	5.72	ug/kg	U	1
cis-1,3-Dichloropropene	BQL	5.72	ug/kg	U	1
m,p-Xylenes	BQL	5.72	ug/kg	U	1
o-Xylene	BQL	5.72	ug/kg	U	1
trans-1,2-dichloroethene	BQL	5.72	ug/kg	U	1
trans-1,3-dichloropropene	BQL	5.72	ug/kg	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AA0447
GPL ID: 9154-015-02-1
Matrix: Soil
Date Collected: Sep-25-2000
Date Received: Sep-26-2000

Prep Method: SW5035
Prep Date: Oct-02-2000
Prep Time: 07:57
Prep Chemist: NAZIH ABADEER

Analytical Method: SW8260B_TCL
Date Analyzed: Oct-02-2000
Time Analyzed 14:59
Analyst: NAZIH ABADEER

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	8.2	ug/kg	U	1
1,1,2,2-Tetrachloroethane	BQL	8.2	ug/kg	U	1
1,1,2-Trichloroethane	BQL	8.2	ug/kg	U	1
1,1-Dichloroethane	BQL	8.2	ug/kg	U	1
1,1-Dichloroethene	BQL	8.2	ug/kg	U	1
1,2-Dichloroethane	BQL	8.2	ug/kg	U	1
1,2-Dichloropropane	BQL	8.2	ug/kg	U	1
2-Butanone	BQL	16.4	ug/kg	U	1
2-Hexanone	BQL	16.4	ug/kg	U	1
4-Methyl-2-Pentanone	BQL	16.4	ug/kg	U	1
Acetone	80.0	16.4	ug/kg		1
Benzene	BQL	8.2	ug/kg	U	1
Bromodichloromethane	BQL	8.2	ug/kg	U	1
Bromoform	BQL	8.2	ug/kg	U	1
Bromomethane	BQL	16.4	ug/kg	U	1
Carbon Disulfide	2.67	8.2	ug/kg	J	1
Carbon Tetrachloride	BQL	8.2	ug/kg	U	1
Chlorobenzene	BQL	8.2	ug/kg	U	1
Chloroethane	BQL	16.4	ug/kg	U	1
Chloroform	BQL	8.2	ug/kg	U	1
Chloromethane	BQL	16.4	ug/kg	U	1
Dibromochloromethane	BQL	8.2	ug/kg	U	1
Ethylbenzene	BQL	8.2	ug/kg	U	1
Methylene Chloride	62.9	8.2	ug/kg	B	1
Styrene	BQL	8.2	ug/kg	U	1
Tetrachloroethene	BQL	8.2	ug/kg	U	1
Toluene	BQL	8.2	ug/kg	U	1
Trichloroethene	BQL	8.2	ug/kg	U	1
Vinyl Chloride	BQL	16.4	ug/kg	U	1
cis-1,2-Dichloroethene	BQL	8.2	ug/kg	U	1
cis-1,3-Dichloropropene	BQL	8.2	ug/kg	U	1
m,p-Xylenes	BQL	8.2	ug/kg	U	1
o-Xylene	BQL	8.2	ug/kg	U	1
trans-1,2-dichloroethene	BQL	8.2	ug/kg	U	1
trans-1,3-dichloropropene	BQL	8.2	ug/kg	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AA0448
GPL ID: 9154-016-01-1
Matrix: Soil
Date Collected: Sep-25-2000
Date Received: Sep-26-2000

Prep Method: SW5035
Prep Date: Sep-29-2000
Prep Time: 08:16
Prep Chemist: NAZIH ABADEER

Analytical Method: SW8260B_TCL
Date Analyzed: Sep-29-2000
Time Analyzed 14:01
Analyst: NAZIH ABADEER

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	6.08	ug/kg	U	1
1,1,2,2-Tetrachloroethane	BQL	6.08	ug/kg	U	1
1,1,2-Trichloroethane	BQL	6.08	ug/kg	U	1
1,1-Dichloroethane	BQL	6.08	ug/kg	U	1
1,1-Dichloroethene	BQL	6.08	ug/kg	U	1
1,2-Dichloroethane	BQL	6.08	ug/kg	U	1
1,2-Dichloropropane	BQL	6.08	ug/kg	U	1
2-Butanone	BQL	12.2	ug/kg	U	1
2-Hexanone	BQL	12.2	ug/kg	U	1
4-Methyl-2-Pentanone	BQL	12.2	ug/kg	U	1
Acetone	9.49	12.2	ug/kg	J	1
Benzene	BQL	6.08	ug/kg	U	1
Bromodichloromethane	BQL	6.08	ug/kg	U	1
Bromoform	BQL	6.08	ug/kg	U	1
Bromomethane	BQL	12.2	ug/kg	U	1
Carbon Disulfide	BQL	6.08	ug/kg	U	1
Carbon Tetrachloride	BQL	6.08	ug/kg	U	1
Chlorobenzene	BQL	6.08	ug/kg	U	1
Chloroethane	BQL	12.2	ug/kg	U	1
Chloroform	BQL	6.08	ug/kg	U	1
Chloromethane	BQL	12.2	ug/kg	U	1
Dibromochloromethane	BQL	6.08	ug/kg	U	1
Ethylbenzene	BQL	6.08	ug/kg	U	1
Methylene Chloride	91.3	6.08	ug/kg	B	1
Styrene	BQL	6.08	ug/kg	U	1
Tetrachloroethene	BQL	6.08	ug/kg	U	1
Toluene	2.70	6.08	ug/kg	J	1
Trichloroethene	BQL	6.08	ug/kg	U	1
Vinyl Chloride	BQL	12.2	ug/kg	U	1
cis-1,2-Dichloroethene	BQL	6.08	ug/kg	U	1
cis-1,3-Dichloropropene	BQL	6.08	ug/kg	U	1
m,p-Xylenes	BQL	6.08	ug/kg	U	1
o-Xylene	BQL	6.08	ug/kg	U	1
trans-1,2-dichloroethene	BQL	6.08	ug/kg	U	1
trans-1,3-dichloropropene	BQL	6.08	ug/kg	U	1

Summary of Analytical Results

Client ID AA0449
GPL ID: 9154-017-02-1
Matrix: Soil
Date Collected: Sep-25-2000
Date Received: Sep-26-2000

Prep Method: SW5035
Prep Date: Oct-02-2000
Prep Time: 07:57
Prep Chemist: NAZIH ABADEER

Analytical Method: SW8260B_TCL
Date Analyzed: Oct-02-2000
Time Analyzed 15:40
Analyst: NAZIH ABADEER

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	5.88	ug/kg	U	1
1,1,2,2-Tetrachloroethane	BQL	5.88	ug/kg	U	1
1,1,2-Trichloroethane	BQL	5.88	ug/kg	U	1
1,1-Dichloroethane	BQL	5.88	ug/kg	U	1
1,1-Dichloroethene	BQL	5.88	ug/kg	U	1
1,2-Dichloroethane	BQL	5.88	ug/kg	U	1
1,2-Dichloropropane	BQL	5.88	ug/kg	U	1
2-Butanone	BQL	11.8	ug/kg	U	1
2-Hexanone	BQL	11.8	ug/kg	U	1
4-Methyl-2-Pentanone	BQL	11.8	ug/kg	U	1
Acetone	188	11.8	ug/kg		1
Benzene	BQL	5.88	ug/kg	U	1
Bromodichloromethane	BQL	5.88	ug/kg	U	1
Bromoform	BQL	5.88	ug/kg	U	1
Bromomethane	BQL	11.8	ug/kg	U	1
Carbon Disulfide	BQL	5.88	ug/kg	U	1
Carbon Tetrachloride	BQL	5.88	ug/kg	U	1
Chlorobenzene	BQL	5.88	ug/kg	U	1
Chloroethane	BQL	11.8	ug/kg	U	1
Chloroform	BQL	5.88	ug/kg	U	1
Chloromethane	BQL	11.8	ug/kg	U	1
Dibromochloromethane	BQL	5.88	ug/kg	U	1
Ethylbenzene	BQL	5.88	ug/kg	U	1
Methylene Chloride	73.8	5.88	ug/kg	B	1
Styrene	BQL	5.88	ug/kg	U	1
Tetrachloroethene	BQL	5.88	ug/kg	U	1
Toluene	BQL	5.88	ug/kg	U	1
Trichloroethene	BQL	5.88	ug/kg	U	1
Vinyl Chloride	BQL	11.8	ug/kg	U	1
cis-1,2-Dichloroethene	BQL	5.88	ug/kg	U	1
cis-1,3-Dichloropropene	BQL	5.88	ug/kg	U	1
m,p-Xylenes	BQL	5.88	ug/kg	U	1
o-Xylene	BQL	5.88	ug/kg	U	1
trans-1,2-dichloroethene	BQL	5.88	ug/kg	U	1
trans-1,3-dichloropropene	BQL	5.88	ug/kg	U	1

Summary of Analytical Results

Client ID AA0450
GPL ID: 9154-018-02-1
Matrix: Soil
Date Collected: Sep-25-2000
Date Received: Sep-26-2000

Prep Method: SW5035
Prep Date: Oct-02-2000
Prep Time: 07:57
Prep Chemist: NAZIH ABADEER

Analytical Method: SW8260B_TCL
Date Analyzed: Oct-02-2000
Time Analyzed 16:58
Analyst: NAZIH ABADEER

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	6.01	ug/kg	U	1
1,1,2,2-Tetrachloroethane	BQL	6.01	ug/kg	U	1
1,1,2-Trichloroethane	BQL	6.01	ug/kg	U	1
1,1-Dichloroethane	BQL	6.01	ug/kg	U	1
1,1-Dichloroethene	BQL	6.01	ug/kg	U	1
1,2-Dichloroethane	BQL	6.01	ug/kg	U	1
1,2-Dichloropropane	BQL	6.01	ug/kg	U	1
2-Butanone	BQL	12	ug/kg	U	1
2-Hexanone	BQL	12	ug/kg	U	1
4-Methyl-2-Pentanone	BQL	12	ug/kg	U	1
Acetone	38.1	12	ug/kg		1
Benzene	BQL	6.01	ug/kg	U	1
Bromodichloromethane	BQL	6.01	ug/kg	U	1
Bromoform	BQL	6.01	ug/kg	U	1
Bromomethane	BQL	12	ug/kg	U	1
Carbon Disulfide	BQL	6.01	ug/kg	U	1
Carbon Tetrachloride	BQL	6.01	ug/kg	U	1
Chlorobenzene	BQL	6.01	ug/kg	U	1
Chloroethane	BQL	12	ug/kg	U	1
Chloroform	BQL	6.01	ug/kg	U	1
Chloromethane	BQL	12	ug/kg	U	1
Dibromochloromethane	BQL	6.01	ug/kg	U	1
Ethylbenzene	BQL	6.01	ug/kg	U	1
Methylene Chloride	9.28	6.01	ug/kg	B	1
Styrene	BQL	6.01	ug/kg	U	1
Tetrachloroethene	BQL	6.01	ug/kg	U	1
Toluene	2.29	6.01	ug/kg	J	1
Trichloroethene	BQL	6.01	ug/kg	U	1
Vinyl Chloride	BQL	12	ug/kg	U	1
cis-1,2-Dichloroethene	BQL	6.01	ug/kg	U	1
cis-1,3-Dichloropropene	BQL	6.01	ug/kg	U	1
m,p-Xylenes	BQL	6.01	ug/kg	U	1
o-Xylene	BQL	6.01	ug/kg	U	1
trans-1,2-dichloroethene	BQL	6.01	ug/kg	U	1
trans-1,3-dichloropropene	BQL	6.01	ug/kg	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AA0451
GPL ID: 9154-019-02-1
Matrix: Soil
Date Collected: Sep-25-2000
Date Received: Sep-26-2000

Prep Method: SW5035
Prep Date: Oct-02-2000
Prep Time: 07:57
Prep Chemist: NAZIH ABADEER

Analytical Method: SW8260B_TCL
Date Analyzed: Oct-02-2000
Time Analyzed 17:39
Analyst: NAZIH ABADEER

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	4.96	ug/kg	U	1
1,1,2,2-Tetrachloroethane	BQL	4.96	ug/kg	U	1
1,1,2-Trichloroethane	BQL	4.96	ug/kg	U	1
1,1-Dichloroethane	BQL	4.96	ug/kg	U	1
1,1-Dichloroethene	BQL	4.96	ug/kg	U	1
1,2-Dichloroethane	BQL	4.96	ug/kg	U	1
1,2-Dichloropropane	BQL	4.96	ug/kg	U	1
2-Butanone	BQL	9.93	ug/kg	U	1
2-Hexanone	BQL	9.93	ug/kg	U	1
4-Methyl-2-Pentanone	BQL	9.93	ug/kg	U	1
Acetone	194	9.93	ug/kg		1
Benzene	2.44	4.96	ug/kg	J	1
Bromodichloromethane	BQL	4.96	ug/kg	U	1
Bromoform	BQL	4.96	ug/kg	U	1
Bromomethane	BQL	9.93	ug/kg	U	1
Carbon Disulfide	BQL	4.96	ug/kg	U	1
Carbon Tetrachloride	BQL	4.96	ug/kg	U	1
Chlorobenzene	BQL	4.96	ug/kg	U	1
Chloroethane	BQL	9.93	ug/kg	U	1
Chloroform	BQL	4.96	ug/kg	U	1
Chloromethane	BQL	9.93	ug/kg	U	1
Dibromochloromethane	BQL	4.96	ug/kg	U	1
Ethylbenzene	BQL	4.96	ug/kg	U	1
Methylene Chloride	27.2	4.96	ug/kg	B	1
Styrene	BQL	4.96	ug/kg	U	1
Tetrachloroethene	BQL	4.96	ug/kg	U	1
Toluene	3.39	4.96	ug/kg	J	1
Trichloroethene	BQL	4.96	ug/kg	U	1
Vinyl Chloride	BQL	9.93	ug/kg	U	1
cis-1,2-Dichloroethene	BQL	4.96	ug/kg	U	1
cis-1,3-Dichloropropene	BQL	4.96	ug/kg	U	1
m,p-Xylenes	BQL	4.96	ug/kg	U	1
o-Xylene	BQL	4.96	ug/kg	U	1
trans-1,2-dichloroethene	BQL	4.96	ug/kg	U	1
trans-1,3-dichloropropene	BQL	4.96	ug/kg	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AA0453
GPL ID: 9154-020-01-1
Matrix: Soil
Date Collected: Sep-25-2000
Date Received: Sep-26-2000

Prep Method: SW5035
Prep Date: Sep-29-2000
Prep Time: 08:16
Prep Chemist: NAZIH ABADEER

Analytical Method: SW8260B_TCL
Date Analyzed: Sep-29-2000
Time Analyzed 16:45
Analyst: NAZIH ABADEER

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	6.88	ug/kg	U	1
1,1,2,2-Tetrachloroethane	BQL	6.88	ug/kg	U	1
1,1,2-Trichloroethane	BQL	6.88	ug/kg	U	1
1,1-Dichloroethane	BQL	6.88	ug/kg	U	1
1,1-Dichloroethene	BQL	6.88	ug/kg	U	1
1,2-Dichloroethane	BQL	6.88	ug/kg	U	1
1,2-Dichloropropane	BQL	6.88	ug/kg	U	1
2-Butanone	BQL	13.8	ug/kg	U	1
2-Hexanone	BQL	13.8	ug/kg	U	1
4-Methyl-2-Pentanone	BQL	13.8	ug/kg	U	1
Acetone	15.9	13.8	ug/kg		1
Benzene	BQL	6.88	ug/kg	U	1
Bromodichloromethane	BQL	6.88	ug/kg	U	1
Bromoform	BQL	6.88	ug/kg	U	1
Bromomethane	BQL	13.8	ug/kg	U	1
Carbon Disulfide	BQL	6.88	ug/kg	U	1
Carbon Tetrachloride	BQL	6.88	ug/kg	U	1
Chlorobenzene	BQL	6.88	ug/kg	U	1
Chloroethane	BQL	13.8	ug/kg	U	1
Chloroform	BQL	6.88	ug/kg	U	1
Chloromethane	BQL	13.8	ug/kg	U	1
Dibromochloromethane	BQL	6.88	ug/kg	U	1
Ethylbenzene	BQL	6.88	ug/kg	U	1
Methylene Chloride	107	6.88	ug/kg	B	1
Styrene	BQL	6.88	ug/kg	U	1
Tetrachloroethene	BQL	6.88	ug/kg	U	1
Toluene	BQL	6.88	ug/kg	U	1
Trichloroethene	BQL	6.88	ug/kg	U	1
Vinyl Chloride	BQL	13.8	ug/kg	U	1
cis-1,2-Dichloroethene	BQL	6.88	ug/kg	U	1
cis-1,3-Dichloropropene	BQL	6.88	ug/kg	U	1
m,p-Xylenes	BQL	6.88	ug/kg	U	1
o-Xylene	BQL	6.88	ug/kg	U	1
trans-1,2-dichloroethene	BQL	6.88	ug/kg	U	1
trans-1,3-dichloropropene	BQL	6.88	ug/kg	U	1

2B
SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: GPL LABORATORIES, LLLP Contract: PLUMBROOK_ORDN

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Level: (low/med) LOW

	CLIENT SAMPLE NO.	SMC1 #	SMC2 #	SMC3 #	SMC4 #	TOT OUT
01	BLK7029	114	102	103	103	0
02	BKS7029	119	105	105	107	0
03	AA0427	117	109	109	113	0
04	BLK7064	109	98	99	100	0
05	BKS7064	117	101	102	105	0
06	AA0426	128	106	111	113	0
07	AA0426 MS	123	102	106	109	0
08	AA0426 MSD	121	101	102	108	0
09	AA0428	120	103	103	108	0
10	AA0429	122	96	107	111	0
11	AA0432	119	98	102	106	0
12	AA0433	123	100	104	104	0
13	AA0434	123	103	105	107	0
14	AA0435	122	102	101	103	0
15	AA0440	126	102	103	107	0
16	BLK7100	107	104	104	105	0
17	BKS7100	119	106	112	108	0
18	AA0445	117	104	102	107	0
19	AA0446	120	105	103	107	0
20	AA0448	111	100	101	108	0
21	AA0453	115	99	110	113	0
22	AA0431	119	113	119	122	0
23	BLK7123	106	113	114	118	0
24	BKS7123	114	102	108	109	0
25	AA0447	107	99	105	106	0
26	AA0449	102	100	105	107	0
27	AA0450	110	99	101	103	0
28	AA0451	93	101	120	122	0

			QC LIMITS
SMC1	=	1,2-Dichloroethane-d4	(72-129)
SMC2	=	Toluene-d8	(68-122)
SMC3	=	4-Bromofluorobenzene	(71-122)
SMC4	=	1,2-Dichlorobenzene-d4	(68-138)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

3B

SOIL VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: GPL LABORATORIES, LLLP Contract: PLUMBROOK_O

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Matrix Spike - EPA Sample No.: AA0426 Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC LIMITS REC.
1,1-Dichloroethene	55	0.0	45	82	39 - 147
Benzene	55	1.7	47	82	36 - 150
Trichloroethene	55	0.0	45	82	33 - 150
Toluene	55	0.0	41	75	34 - 151
Chlorobenzene	55	0.0	41	75	33 - 143

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	56	35	63	26 *	25	39 - 147
Benzene	56	38	64	25	25	36 - 150
Trichloroethene	56	37	66	22	25	33 - 150
Toluene	56	32	57	27 *	25	34 - 151
Chlorobenzene	56	31	55	31 *	25	33 - 143

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 3 out of 5 outside limits

Spike Recovery: 0 out of 10 outside limits

COMMENTS:

0 1004

LAB CONTROL STANDARD RECOVERY

Lab Name:	GPL LABORATORIES, LLLP			Contract:	PLUMBROOK_ORD
Case No.:	N/A			SDG No.:	N/A
Lab Code:	GPLL			Lab Sample ID:	BKS1
Lab File ID:	A27242.D	Matrix:	SOIL	Date Analyzed:	9/27/00

COMPOUND	LCS ADDED (ugKg)	CONCENTRATION FOUND (ug/Kg)	PERCENT RECOVERY #	INTERNAL LABORATORY LIMITS
Vinyl Chloride	50	36	72	29-148
1,1-Dichloroethene	50	42	84	40-150
Chloroform	50	50	100	61-146
1,1,1-Trichloroethane	50	53	106	59-155
Carbon Tetrachloride	50	52	104	61-152
Benzene	50	46	92	59-153
1,2-Dichloroethane	50	51	102	63-151
Trichloroethene	50	45	90	55-145
Bromodichloromethane	50	49	98	65-151
Dibromochloromethane	50	48	96	52-155
Bromoform	50	50	100	36-150

* Value outside internal laboratory limits

Comments: _____

LAB CONTROL STANDARD RECOVERY

Lab Name: GPL LABORATORIES, LLLP
Case No.: N/A
Lab Code: GPLL
Lab File ID: A27261.D Matrix: SOIL

Contract: PLUMBROOK_ORD
SDG No.: N/A
Lab Sample ID: BKS1
Date Analyzed: 9/28/00

COMPOUND	LCS ADDED (ugKg)	CONCENTRATION FOUND (ug/Kg)	PERCENT RECOVERY #	INTERNAL LABORATORY LIMITS
Vinyl Chloride	50	39	78	29-148
1,1-Dichloroethene	50	52	104	40-150
Chloroform	50	61	122	61-146
1,1,1-Trichloroethane	50	65	130	59-155
Carbon Tetrachloride	50	69	138	61-152
Benzene	50	53	106	59-153
1,2-Dichloroethane	50	60	120	63-151
Trichloroethene	50	55	110	55-145
Bromodichloromethane	50	61	122	65-151
Dibromochloromethane	50	58	116	52-155
Bromoform	50	60	120	36-150

* Value outside internal laboratory limits

Comments:

LAB CONTROL STANDARD RECOVERY

Lab Name:	GPL LABORATORIES, LLLP			Contract:	PLUMBROOK_ORD
Case No.:	N/A			SDG No.:	N/A
Lab Code:	GPLL			Lab Sample ID:	BKS1
Lab File ID:	A27280.D	Matrix:	SOIL	Date Analyzed:	9/29/00

COMPOUND	LCS ADDED (ugKg)	CONCENTRATION FOUND (ug/Kg)	PERCENT RECOVERY #	INTERNAL LABORATORY LIMITS
Vinyl Chloride	50	39	78	29-148
1,1-Dichloroethene	50	47	94	40-150
Chloroform	50	55	110	61-146
1,1,1-Trichloroethane	50	58	116	59-155
Carbon Tetrachloride	50	61	122	61-152
Benzene	50	51	102	59-153
1,2-Dichloroethane	50	58	116	63-151
Trichloroethene	50	52	104	55-145
Bromodichloromethane	50	58	116	65-151
Dibromochloromethane	50	55	110	52-155
Bromoform	50	59	118	36-150

* Value outside internal laboratory limits

Comments: _____

LAB CONTROL STANDARD RECOVERY

Lab Name: GPL LABORATORIES, LLLP
Case No.: N/A
Lab Code: GPLL
Lab File ID: A27298.D Matrix: SOIL

Contract: PLUMBROOK_ORD
SDG No.: N/A
Lab Sample ID: BKS1
Date Analyzed: 10/2/00

COMPOUND	LCS ADDED (ugKg)	CONCENTRATION FOUND (ug/Kg)	PERCENT RECOVERY #	INTERNAL LABORATORY LIMITS
Vinyl Chloride	50	34	68	29-148
1,1-Dichloroethene	50	44	88	40-150
Chloroform	50	53	106	61-146
1,1,1-Trichloroethane	50	56	112	59-155
Carbon Tetrachloride	50	59	118	61-152
Benzene	50	46	92	59-153
1,2-Dichloroethane	50	56	112	63-151
Trichloroethene	50	49	98	55-145
Bromodichloromethane	50	55	110	65-151
Dibromochloromethane	50	54	108	52-155
Bromoform	50	53	106	36-150

* Value outside internal laboratory limits

Comments: _____

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

BLK7029

Lab Name: GPL LABORATORIES, LLLP Contract: PLUMBRO

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Lab File ID: A27241.D Lab Sample ID: BLK1

Date Analyzed: 09/27/00 Time Analyzed: 09:27

GC Column: RTXVOA ID: 0.53 (mm) Heated Purge: (Y/N) Y

Instrument ID: HP#A

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	BKS7029	BKS1	A27242.D	10:08
02	AA0427	9154-004-01-1	A27256.D	19:37

COMMENTS:

0 1009

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

BLK7064

Lab Name: GPL LABORATORIES, LLLP Contract: PLUMBRO

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Lab File ID: A27260.D Lab Sample ID: BLK1

Date Analyzed: 09/28/00 Time Analyzed: 09:59

GC Column: RTXVOA ID: 0.53 (mm) Heated Purge: (Y/N) Y

Instrument ID: HP#A

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	BKS7064	BKS1	A27261.D	10:39
02	AA0426	9154-001-01-1	A27264.D	12:40
03	AA0426 MS	9154-002-01-1MS	A27265.D	13:20
04	AA0426 MSD	9154-003-01-1MSD	A27266.D	14:14
05	AA0428	9154-005-01-1	A27267.D	14:54
06	AA0429	9154-006-01-1	A27268.D	15:35
07	AA0432	9154-008-01-1	A27270.D	16:57
08	AA0433	9154-009-01-1	A27271.D	17:37
09	AA0434	9154-010-01-1	A27272.D	18:17
10	AA0435	9154-011-01-1	A27273.D	18:57
11	AA0440	9154-012-01-1	A27274.D	19:37

COMMENTS:

0 1010

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

BLK7100

Lab Name: GPL LABORATORIES, LLLP Contract: PLUMBRO

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Lab File ID: A27279.D Lab Sample ID: BLK1

Date Analyzed: 09/29/00 Time Analyzed: 09:46

GC Column: RTXVOA ID: 0.53 (mm) Heated Purge: (Y/N) Y

Instrument ID: HP#A

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	BKS7100	BKS1	A27280.D	10:26
02	AA0445	9154-013-01-1	A27281.D	11:05
03	AA0446	9154-014-01-1	A27282.D	11:45
04	AA0448	9154-016-01-1	A27284.D	14:01
05	AA0453	9154-020-01-1	A27288.D	16:45
06	AA0431	9154-007-02-1	A27289.D	17:26

COMMENTS:

0 1011

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

BLK7123

Lab Name: GPL LABORATORIES, LLLP Contract: PLUMBRO

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Lab File ID: A27297.D Lab Sample ID: BLK1

Date Analyzed: 10/02/00 Time Analyzed: 09:20

GC Column: RTXVOA ID: 0.53 (mm) Heated Purge: (Y/N) Y

Instrument ID: HP#A

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	BKS7123	BKS1	A27298.D	10:10
02	AA0447	9154-015-02-1	A27305.D	14:59
03	AA0449	9154-017-02-1	A27306.D	15:40
04	AA0450	9154-018-02-1	A27307.D	16:58
05	AA0451	9154-019-02-1	A27308.D	17:39

COMMENTS:

0 1012

Summary of Analytical Results

Client ID AA0426DL
GPL ID: 9154-001-05-1
Matrix: Soil
Date Collected: Sep-25-2000
Date Received: Sep-26-2000

Prep Method: SW3550
Prep Date: Sep-28-2000
Prep Time: 08:43
Prep Chemist: Shila Soleimani

Analytical Method: SW8270CTCL
Date Analyzed: Oct-13-2000
Time Analyzed 17:04
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	78900	ug/kg	U	200
1,2-Dichlorobenzene	BQL	78900	ug/kg	U	200
1,3-Dichlorobenzene	BQL	78900	ug/kg	U	200
1,4-Dichlorobenzene	BQL	78900	ug/kg	U	200
2,2-Oxybis(1-Chloro)Propane	BQL	78900	ug/kg	U	200
2,4,5-Trichlorophenol	BQL	78900	ug/kg	U	200
2,4,6-Trichlorophenol	BQL	78900	ug/kg	U	200
2,4-Dichlorophenol	BQL	78900	ug/kg	U	200
2,4-Dimethylphenol	BQL	78900	ug/kg	U	200
2,4-Dinitrophenol	BQL	158000	ug/kg	U	200
2,4-Dinitrotoluene	8336000	78900	ug/kg	E	200
2,6-Dinitrotoluene	8482000	78900	ug/kg	E	200
2-Chloronaphthalene	BQL	78900	ug/kg	U	200
2-Chlorophenol	BQL	78900	ug/kg	U	200
2-Methylnaphthalene	BQL	78900	ug/kg	U	200
2-Nitroaniline	BQL	78900	ug/kg	U	200
2-Nitrophenol	BQL	78900	ug/kg	U	200
2-methylphenol	BQL	78900	ug/kg	U	200
3,3-Dichlorobenzidine	BQL	158000	ug/kg	U	200
3-Nitroaniline	BQL	78900	ug/kg	U	200
4,6-dinitro-2-methyl phenol	BQL	158000	ug/kg	U	200
4-Bromophenyl-phenylether	BQL	78900	ug/kg	U	200
4-Chloroaniline	BQL	78900	ug/kg	U	200
4-Chlorophenyl Phenyl Ether	BQL	78900	ug/kg	U	200
4-Nitroaniline	BQL	78900	ug/kg	U	200
4-Nitrophenol	BQL	158000	ug/kg	U	200
4-chloro-3-methylphenol	BQL	78900	ug/kg	U	200
4-methylphenol	BQL	78900	ug/kg	U	200
Acenaphthene	BQL	78900	ug/kg	U	200
Acenaphthylene	BQL	78900	ug/kg	U	200
Anthracene	BQL	78900	ug/kg	U	200
Benzo(a)anthracene	BQL	78900	ug/kg	U	200
Benzo(a)pyrene	BQL	78900	ug/kg	U	200
Benzo(b)fluoranthene	BQL	78900	ug/kg	U	200
Benzo(g,h,i)perylene	BQL	78900	ug/kg	U	200
Benzo(k)fluoranthene	BQL	78900	ug/kg	U	200
Benzyl Butyl Phthalate	BQL	78900	ug/kg	U	200
Carbazole	BQL	78900	ug/kg	U	200
Chrysene	BQL	78900	ug/kg	U	200

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AA0426DL
GPL ID: 9154-001-05-1
Matrix: Soil
Date Collected: Sep-25-2000
Date Received: Sep-26-2000

Prep Method: SW3550
Prep Date: Sep-28-2000
Prep Time: 08:43
Prep Chemist: Shila Soleimani

Analytical Method: SW8270CTCL
Date Analyzed: Oct-13-2000
Time Analyzed 17:04
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	78900	ug/kg	U	200
Dibenzofuran	BQL	78900	ug/kg	U	200
Diethyl Phthalate	BQL	78900	ug/kg	U	200
Dimethyl Phthalate	BQL	78900	ug/kg	U	200
Fluoranthene	BQL	78900	ug/kg	U	200
Fluorene	BQL	78900	ug/kg	U	200
Hexachlorobenzene	BQL	78900	ug/kg	U	200
Hexachlorobutadiene	BQL	78900	ug/kg	U	200
Hexachlorocyclopentadiene	BQL	78900	ug/kg	U	200
Hexachloroethane	BQL	78900	ug/kg	U	200
Indeno(1,2,3-c,d)Pyrene	BQL	78900	ug/kg	U	200
Isophorone	BQL	78900	ug/kg	U	200
Naphthalene	BQL	78900	ug/kg	U	200
Nitrobenzene	BQL	78900	ug/kg	U	200
Pentachlorophenol	BQL	158000	ug/kg	U	200
Phenanthrene	BQL	78900	ug/kg	U	200
Phenol	BQL	78900	ug/kg	U	200
Pyrene	BQL	78900	ug/kg	U	200
bis(2-chloroethoxy) methane	BQL	78900	ug/kg	U	200
bis(2-chloroethyl) ether	BQL	78900	ug/kg	U	200
bis(2-ethylhexyl) phthalate	BQL	78900	ug/kg	U	200
di-n-Butyl Phthalate	BQL	78900	ug/kg	U	200
di-n-Octyl Phthalate	BQL	78900	ug/kg	U	200
n-Nitrosodi-n-Propylamine	BQL	78900	ug/kg	U	200
n-Nitrosodiphenylamine	BQL	78900	ug/kg	U	200

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AA0426DL2
GPL ID: 9154-001-05-1
Matrix: Soil
Date Collected: Sep-25-2000
Date Received: Sep-26-2000

Prep Method: SW3550
Prep Date: Sep-28-2000
Prep Time: 08:43
Prep Chemist: Shila Soleimani

Analytical Method: SW8270CTCL
Date Analyzed: Oct-13-2000
Time Analyzed 17:41
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	1579000	ug/kg	U	4000
1,2-Dichlorobenzene	BQL	1579000	ug/kg	U	4000
1,3-Dichlorobenzene	BQL	1579000	ug/kg	U	4000
1,4-Dichlorobenzene	BQL	1579000	ug/kg	U	4000
2,2-Oxybis(1-Chloro)Propane	BQL	1579000	ug/kg	U	4000
2,4,5-Trichlorophenol	BQL	1579000	ug/kg	U	4000
2,4,6-Trichlorophenol	BQL	1579000	ug/kg	U	4000
2,4-Dichlorophenol	BQL	1579000	ug/kg	U	4000
2,4-Dimethylphenol	BQL	1579000	ug/kg	U	4000
2,4-Dinitrophenol	BQL	3157000	ug/kg	U	4000
2,4-Dinitrotoluene	8912000	1579000	ug/kg		4000
2,6-Dinitrotoluene	10274000	1579000	ug/kg		4000
2-Chloronaphthalene	BQL	1579000	ug/kg	U	4000
2-Chlorophenol	BQL	1579000	ug/kg	U	4000
2-Methylnaphthalene	BQL	1579000	ug/kg	U	4000
2-Nitroaniline	BQL	1579000	ug/kg	U	4000
2-Nitrophenol	BQL	1579000	ug/kg	U	4000
2-methylphenol	BQL	1579000	ug/kg	U	4000
3,3-Dichlorobenzidine	BQL	3157000	ug/kg	U	4000
3-Nitroaniline	BQL	1579000	ug/kg	U	4000
4,6-dinitro-2-methyl phenol	BQL	3157000	ug/kg	U	4000
4-Bromophenyl-phenylether	BQL	1579000	ug/kg	U	4000
4-Chloroaniline	BQL	1579000	ug/kg	U	4000
4-Chlorophenyl Phenyl Ether	BQL	1579000	ug/kg	U	4000
4-Nitroaniline	BQL	1579000	ug/kg	U	4000
4-Nitrophenol	BQL	3157000	ug/kg	U	4000
4-chloro-3-methylphenol	BQL	1579000	ug/kg	U	4000
4-methylphenol	BQL	1579000	ug/kg	U	4000
Acenaphthene	BQL	1579000	ug/kg	U	4000
Acenaphthylene	BQL	1579000	ug/kg	U	4000
Anthracene	BQL	1579000	ug/kg	U	4000
Benzo(a)anthracene	BQL	1579000	ug/kg	U	4000
Benzo(a)pyrene	BQL	1579000	ug/kg	U	4000
Benzo(b)fluoranthene	BQL	1579000	ug/kg	U	4000
Benzo(g,h,i)perylene	BQL	1579000	ug/kg	U	4000
Benzo(k)fluoranthene	BQL	1579000	ug/kg	U	4000
Benzyl Butyl Phthalate	BQL	1579000	ug/kg	U	4000
Carbazole	BQL	1579000	ug/kg	U	4000
Chrysene	BQL	1579000	ug/kg	U	4000

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AA0426DL2
GPL ID: 9154-001-05-1
Matrix: Soil
Date Collected: Sep-25-2000
Date Received: Sep-26-2000

Prep Method: SW3550
Prep Date: Sep-28-2000
Prep Time: 08:43
Prep Chemist: Shila Soleimani

Analytical Method: SW8270CTCL
Date Analyzed: Oct-13-2000
Time Analyzed 17:41
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	1579000	ug/kg	U	4000
Dibenzofuran	BQL	1579000	ug/kg	U	4000
Diethyl Phthalate	BQL	1579000	ug/kg	U	4000
Dimethyl Phthalate	BQL	1579000	ug/kg	U	4000
Fluoranthene	BQL	1579000	ug/kg	U	4000
Fluorene	BQL	1579000	ug/kg	U	4000
Hexachlorobenzene	BQL	1579000	ug/kg	U	4000
Hexachlorobutadiene	BQL	1579000	ug/kg	U	4000
Hexachlorocyclopentadiene	BQL	1579000	ug/kg	U	4000
Hexachloroethane	BQL	1579000	ug/kg	U	4000
Indeno(1,2,3-c,d)Pyrene	BQL	1579000	ug/kg	U	4000
Isophorone	BQL	1579000	ug/kg	U	4000
Naphthalene	BQL	1579000	ug/kg	U	4000
Nitrobenzene	BQL	1579000	ug/kg	U	4000
Pentachlorophenol	BQL	3157000	ug/kg	U	4000
Phenanthrene	BQL	1579000	ug/kg	U	4000
Phenol	BQL	1579000	ug/kg	U	4000
Pyrene	BQL	1579000	ug/kg	U	4000
bis(2-chloroethoxy) methane	BQL	1579000	ug/kg	U	4000
bis(2-chloroethyl) ether	BQL	1579000	ug/kg	U	4000
bis(2-ethylhexyl) phthalate	BQL	1579000	ug/kg	U	4000
di-n-Butyl Phthalate	BQL	1579000	ug/kg	U	4000
di-n-Octyl Phthalate	BQL	1579000	ug/kg	U	4000
n-Nitrosodi-n-Propylamine	BQL	1579000	ug/kg	U	4000
n-Nitrosodiphenylamine	BQL	1579000	ug/kg	U	4000

Summary of Analytical Results

Client ID AA0427
GPL ID: 9154-004-05-1
Matrix: Soil
Date Collected: Sep-25-2000
Date Received: Sep-26-2000

Prep Method: SW3550
Prep Date: Sep-28-2000
Prep Time: 08:43
Prep Chemist: Shila Soleimani

Analytical Method: SW8270CTCL
Date Analyzed: Oct-12-2000
Time Analyzed 16:26
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	386	ug/kg	U	1
1,2-Dichlorobenzene	BQL	386	ug/kg	U	1
1,3-Dichlorobenzene	BQL	386	ug/kg	U	1
1,4-Dichlorobenzene	BQL	386	ug/kg	U	1
2,2-Oxybis(1-Chloro)Propane	BQL	386	ug/kg	U	1
2,4,5-Trichlorophenol	BQL	386	ug/kg	U	1
2,4,6-Trichlorophenol	BQL	386	ug/kg	U	1
2,4-Dichlorophenol	BQL	386	ug/kg	U	1
2,4-Dimethylphenol	BQL	386	ug/kg	U	1
2,4-Dinitrophenol	BQL	773	ug/kg	U	1
2,4-Dinitrotoluene	76.1	386	ug/kg	J	1
2,6-Dinitrotoluene	BQL	386	ug/kg	U	1
2-Chloronaphthalene	BQL	386	ug/kg	U	1
2-Chlorophenol	BQL	386	ug/kg	U	1
2-Methylnaphthalene	BQL	386	ug/kg	U	1
2-Nitroaniline	BQL	386	ug/kg	U	1
2-Nitrophenol	BQL	386	ug/kg	U	1
2-methylphenol	BQL	386	ug/kg	U	1
3,3-Dichlorobenzidine	BQL	773	ug/kg	U	1
3-Nitroaniline	BQL	386	ug/kg	U	1
4,6-dinitro-2-methyl phenol	BQL	773	ug/kg	U	1
4-Bromophenyl-phenylether	BQL	386	ug/kg	U	1
4-Chloroaniline	BQL	386	ug/kg	U	1
4-Chlorophenyl Phenyl Ether	BQL	386	ug/kg	U	1
4-Nitroaniline	BQL	386	ug/kg	U	1
4-Nitrophenol	BQL	773	ug/kg	U	1
4-chloro-3-methylphenol	BQL	386	ug/kg	U	1
4-methylphenol	BQL	386	ug/kg	U	1
Acenaphthene	BQL	386	ug/kg	U	1
Acenaphthylene	BQL	386	ug/kg	U	1
Anthracene	BQL	386	ug/kg	U	1
Benzo(a)anthracene	BQL	386	ug/kg	U	1
Benzo(a)pyrene	BQL	386	ug/kg	U	1
Benzo(b)fluoranthene	BQL	386	ug/kg	U	1
Benzo(g,h,i)perylene	BQL	386	ug/kg	U	1
Benzo(k)fluoranthene	BQL	386	ug/kg	U	1
Benzyl Butyl Phthalate	BQL	386	ug/kg	U	1
Carbazole	BQL	386	ug/kg	U	1
Chrysene	BQL	386	ug/kg	U	1

Summary of Analytical Results

Client ID AA0427
GPL ID: 9154-004-05-1
Matrix: Soil
Date Collected: Sep-25-2000
Date Received: Sep-26-2000

Prep Method: SW3550
Prep Date: Sep-28-2000
Prep Time: 08:43
Prep Chemist: Shila Soleimani

Analytical Method: SW8270CTCL
Date Analyzed: Oct-12-2000
Time Analyzed 16:26
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	386	ug/kg	U	1
Dibenzofuran	BQL	386	ug/kg	U	1
Diethyl Phthalate	BQL	386	ug/kg	U	1
Dimethyl Phthalate	BQL	386	ug/kg	U	1
Fluoranthene	BQL	386	ug/kg	U	1
Fluorene	BQL	386	ug/kg	U	1
Hexachlorobenzene	BQL	386	ug/kg	U	1
Hexachlorobutadiene	BQL	386	ug/kg	U	1
Hexachlorocyclopentadiene	BQL	386	ug/kg	U	1
Hexachloroethane	BQL	386	ug/kg	U	1
Indeno(1,2,3-c,d)Pyrene	BQL	386	ug/kg	U	1
Isophorone	BQL	386	ug/kg	U	1
Naphthalene	BQL	386	ug/kg	U	1
Nitrobenzene	BQL	386	ug/kg	U	1
Pentachlorophenol	BQL	773	ug/kg	U	1
Phenanthrene	BQL	386	ug/kg	U	1
Phenol	BQL	386	ug/kg	U	1
Pyrene	BQL	386	ug/kg	U	1
bis(2-chloroethoxy) methane	BQL	386	ug/kg	U	1
bis(2-chloroethyl) ether	BQL	386	ug/kg	U	1
bis(2-ethylhexyl) phthalate	BQL	386	ug/kg	U	1
di-n-Butyl Phthalate	BQL	386	ug/kg	U	1
di-n-Octyl Phthalate	BQL	386	ug/kg	U	1
n-Nitrosodi-n-Propylamine	BQL	386	ug/kg	U	1
n-Nitrosodiphenylamine	BQL	386	ug/kg	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AA0428
GPL ID: 9154-005-05-1
Matrix: Soil
Date Collected: Sep-25-2000
Date Received: Sep-26-2000

Prep Method: SW3550
Prep Date: Sep-28-2000
Prep Time: 08:43
Prep Chemist: Shila Soleimani

Analytical Method: SW8270CTCL
Date Analyzed: Oct-12-2000
Time Analyzed 14:39
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	405	ug/kg	U	1
1,2-Dichlorobenzene	BQL	405	ug/kg	U	1
1,3-Dichlorobenzene	BQL	405	ug/kg	U	1
1,4-Dichlorobenzene	BQL	405	ug/kg	U	1
2,2-Oxybis(1-Chloro)Propane	BQL	405	ug/kg	U	1
2,4,5-Trichlorophenol	BQL	405	ug/kg	U	1
2,4,6-Trichlorophenol	BQL	405	ug/kg	U	1
2,4-Dichlorophenol	BQL	405	ug/kg	U	1
2,4-Dimethylphenol	BQL	405	ug/kg	U	1
2,4-Dinitrophenol	BQL	810	ug/kg	U	1
2,4-Dinitrotoluene	551	405	ug/kg		1
2,6-Dinitrotoluene	179	405	ug/kg	J	1
2-Chloronaphthalene	BQL	405	ug/kg	U	1
2-Chlorophenol	BQL	405	ug/kg	U	1
2-Methylnaphthalene	BQL	405	ug/kg	U	1
2-Nitroaniline	BQL	405	ug/kg	U	1
2-Nitrophenol	BQL	405	ug/kg	U	1
2-methylphenol	BQL	405	ug/kg	U	1
3,3-Dichlorobenzidine	BQL	810	ug/kg	U	1
3-Nitroaniline	BQL	405	ug/kg	U	1
4,6-dinitro-2-methyl phenol	BQL	810	ug/kg	U	1
4-Bromophenyl-phenylether	BQL	405	ug/kg	U	1
4-Chloroaniline	BQL	405	ug/kg	U	1
4-Chlorophenyl Phenyl Ether	BQL	405	ug/kg	U	1
4-Nitroaniline	BQL	405	ug/kg	U	1
4-Nitrophenol	BQL	810	ug/kg	U	1
4-chloro-3-methylphenol	BQL	405	ug/kg	U	1
4-methylphenol	BQL	405	ug/kg	U	1
Acenaphthene	BQL	405	ug/kg	U	1
Acenaphthylene	BQL	405	ug/kg	U	1
Anthracene	BQL	405	ug/kg	U	1
Benzo(a)anthracene	BQL	405	ug/kg	U	1
Benzo(a)pyrene	BQL	405	ug/kg	U	1
Benzo(b)fluoranthene	BQL	405	ug/kg	U	1
Benzo(g,h,i)perylene	BQL	405	ug/kg	U	1
Benzo(k)fluoranthene	BQL	405	ug/kg	U	1
Benzyl Butyl Phthalate	BQL	405	ug/kg	U	1
Carbazole	BQL	405	ug/kg	U	1
Chrysene	BQL	405	ug/kg	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AA0428
GPL ID: 9154-005-05-1
Matrix: Soil
Date Collected: Sep-25-2000
Date Received: Sep-26-2000

Prep Method: SW3550
Prep Date: Sep-28-2000
Prep Time: 08:43
Prep Chemist: Shila Soleimani

Analytical Method: SW8270CTCL
Date Analyzed: Oct-12-2000
Time Analyzed 14:39
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	405	ug/kg	U	1
Dibenzofuran	BQL	405	ug/kg	U	1
Diethyl Phthalate	BQL	405	ug/kg	U	1
Dimethyl Phthalate	BQL	405	ug/kg	U	1
Fluoranthene	BQL	405	ug/kg	U	1
Fluorene	BQL	405	ug/kg	U	1
Hexachlorobenzene	BQL	405	ug/kg	U	1
Hexachlorobutadiene	BQL	405	ug/kg	U	1
Hexachlorocyclopentadiene	BQL	405	ug/kg	U	1
Hexachloroethane	BQL	405	ug/kg	U	1
Indeno(1,2,3-c,d)Pyrene	BQL	405	ug/kg	U	1
Isophorone	BQL	405	ug/kg	U	1
Naphthalene	BQL	405	ug/kg	U	1
Nitrobenzene	BQL	405	ug/kg	U	1
Pentachlorophenol	BQL	810	ug/kg	U	1
Phenanthrene	BQL	405	ug/kg	U	1
Phenol	BQL	405	ug/kg	U	1
Pyrene	BQL	405	ug/kg	U	1
bis(2-chloroethoxy) methane	BQL	405	ug/kg	U	1
bis(2-chloroethyl) ether	BQL	405	ug/kg	U	1
bis(2-ethylhexyl) phthalate	BQL	405	ug/kg	U	1
di-n-Butyl Phthalate	BQL	405	ug/kg	U	1
di-n-Octyl Phthalate	BQL	405	ug/kg	U	1
n-Nitrosodi-n-Propylamine	BQL	405	ug/kg	U	1
n-Nitrosodiphenylamine	BQL	405	ug/kg	U	1

Summary of Analytical Results

Client ID AA0429
GPL ID: 9154-006-05-1
Matrix: Soil
Date Collected: Sep-25-2000
Date Received: Sep-26-2000

Prep Method: SW3550
Prep Date: Sep-28-2000
Prep Time: 08:43
Prep Chemist: Shila Soleimani

Analytical Method: SW8270CTCL
Date Analyzed: Oct-12-2000
Time Analyzed 15:14
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	384	ug/kg	U	1
1,2-Dichlorobenzene	BQL	384	ug/kg	U	1
1,3-Dichlorobenzene	BQL	384	ug/kg	U	1
1,4-Dichlorobenzene	BQL	384	ug/kg	U	1
2,2-Oxybis(1-Chloro)Propane	BQL	384	ug/kg	U	1
2,4,5-Trichlorophenol	BQL	384	ug/kg	U	1
2,4,6-Trichlorophenol	BQL	384	ug/kg	U	1
2,4-Dichlorophenol	BQL	384	ug/kg	U	1
2,4-Dimethylphenol	BQL	384	ug/kg	U	1
2,4-Dinitrophenol	BQL	767	ug/kg	U	1
2,4-Dinitrotoluene	134	384	ug/kg	J	1
2,6-Dinitrotoluene	59.9	384	ug/kg	J	1
2-Chloronaphthalene	BQL	384	ug/kg	U	1
2-Chlorophenol	BQL	384	ug/kg	U	1
2-Methylnaphthalene	BQL	384	ug/kg	U	1
2-Nitroaniline	BQL	384	ug/kg	U	1
2-Nitrophenol	BQL	384	ug/kg	U	1
2-methylphenol	BQL	384	ug/kg	U	1
3,3-Dichlorobenzidine	BQL	767	ug/kg	U	1
3-Nitroaniline	BQL	384	ug/kg	U	1
4,6-dinitro-2-methyl phenol	BQL	767	ug/kg	U	1
4-Bromophenyl-phenylether	BQL	384	ug/kg	U	1
4-Chloroaniline	BQL	384	ug/kg	U	1
4-Chlorophenyl Phenyl Ether	BQL	384	ug/kg	U	1
4-Nitroaniline	BQL	384	ug/kg	U	1
4-Nitrophenol	BQL	767	ug/kg	U	1
4-chloro-3-methylphenol	BQL	384	ug/kg	U	1
4-methylphenol	BQL	384	ug/kg	U	1
Acenaphthene	BQL	384	ug/kg	U	1
Acenaphthylene	BQL	384	ug/kg	U	1
Anthracene	BQL	384	ug/kg	U	1
Benzo(a)anthracene	BQL	384	ug/kg	U	1
Benzo(a)pyrene	BQL	384	ug/kg	U	1
Benzo(b)fluoranthene	BQL	384	ug/kg	U	1
Benzo(g,h,i)perylene	BQL	384	ug/kg	U	1
Benzo(k)fluoranthene	BQL	384	ug/kg	U	1
Benzyl Butyl Phthalate	BQL	384	ug/kg	U	1
Carbazole	BQL	384	ug/kg	U	1
Chrysene	BQL	384	ug/kg	U	1

Summary of Analytical Results

Client ID AA0429
GPL ID: 9154-006-05-1
Matrix: Soil
Date Collected: Sep-25-2000
Date Received: Sep-26-2000

Prep Method: SW3550
Prep Date: Sep-28-2000
Prep Time: 08:43
Prep Chemist: Shila Soleimani

Analytical Method: SW8270CTCL
Date Analyzed: Oct-12-2000
Time Analyzed 15:14
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	384	ug/kg	U	1
Dibenzofuran	BQL	384	ug/kg	U	1
Diethyl Phthalate	BQL	384	ug/kg	U	1
Dimethyl Phthalate	BQL	384	ug/kg	U	1
Fluoranthene	BQL	384	ug/kg	U	1
Fluorene	BQL	384	ug/kg	U	1
Hexachlorobenzene	BQL	384	ug/kg	U	1
Hexachlorobutadiene	BQL	384	ug/kg	U	1
Hexachlorocyclopentadiene	BQL	384	ug/kg	U	1
Hexachloroethane	BQL	384	ug/kg	U	1
Indeno(1,2,3-c,d)Pyrene	BQL	384	ug/kg	U	1
Isophorone	BQL	384	ug/kg	U	1
Naphthalene	BQL	384	ug/kg	U	1
Nitrobenzene	BQL	384	ug/kg	U	1
Pentachlorophenol	BQL	767	ug/kg	U	1
Phenanthrene	BQL	384	ug/kg	U	1
Phenol	BQL	384	ug/kg	U	1
Pyrene	BQL	384	ug/kg	U	1
bis(2-chloroethoxy) methane	BQL	384	ug/kg	U	1
bis(2-chloroethyl) ether	BQL	384	ug/kg	U	1
bis(2-ethylhexyl) phthalate	BQL	384	ug/kg	U	1
di-n-Butyl Phthalate	BQL	384	ug/kg	U	1
di-n-Octyl Phthalate	BQL	384	ug/kg	U	1
n-Nitrosodi-n-Propylamine	BQL	384	ug/kg	U	1
n-Nitrosodiphenylamine	BQL	384	ug/kg	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AA0431
GPL ID: 9154-007-05-1
Matrix: Soil
Date Collected: Sep-25-2000
Date Received: Sep-26-2000

Prep Method: SW3550
Prep Date: Sep-28-2000
Prep Time: 08:43
Prep Chemist: Shila Soleimani

Analytical Method: SW8270CTCL
Date Analyzed: Oct-12-2000
Time Analyzed 17:02
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	369	ug/kg	U	1
1,2-Dichlorobenzene	BQL	369	ug/kg	U	1
1,3-Dichlorobenzene	BQL	369	ug/kg	U	1
1,4-Dichlorobenzene	BQL	369	ug/kg	U	1
2,2-Oxybis(1-Chloro)Propane	BQL	369	ug/kg	U	1
2,4,5-Trichlorophenol	BQL	369	ug/kg	U	1
2,4,6-Trichlorophenol	BQL	369	ug/kg	U	1
2,4-Dichlorophenol	BQL	369	ug/kg	U	1
2,4-Dimethylphenol	BQL	369	ug/kg	U	1
2,4-Dinitrophenol	BQL	738	ug/kg	U	1
2,4-Dinitrotoluene	301	369	ug/kg	J	1
2,6-Dinitrotoluene	347	369	ug/kg	J	1
2-Chloronaphthalene	BQL	369	ug/kg	U	1
2-Chlorophenol	BQL	369	ug/kg	U	1
2-Methylnaphthalene	BQL	369	ug/kg	U	1
2-Nitroaniline	BQL	369	ug/kg	U	1
2-Nitrophenol	BQL	369	ug/kg	U	1
2-methylphenol	BQL	369	ug/kg	U	1
3,3-Dichlorobenzidine	BQL	738	ug/kg	U	1
3-Nitroaniline	BQL	369	ug/kg	U	1
4,6-dinitro-2-methyl phenol	BQL	738	ug/kg	U	1
4-Bromophenyl-phenylether	BQL	369	ug/kg	U	1
4-Chloroaniline	BQL	369	ug/kg	U	1
4-Chlorophenyl Phenyl Ether	BQL	369	ug/kg	U	1
4-Nitroaniline	BQL	369	ug/kg	U	1
4-Nitrophenol	BQL	738	ug/kg	U	1
4-chloro-3-methylphenol	BQL	369	ug/kg	U	1
4-methylphenol	BQL	369	ug/kg	U	1
Acenaphthene	BQL	369	ug/kg	U	1
Acenaphthylene	BQL	369	ug/kg	U	1
Anthracene	BQL	369	ug/kg	U	1
Benzo(a)anthracene	295	369	ug/kg	J	1
Benzo(a)pyrene	218	369	ug/kg	J	1
Benzo(b)fluoranthene	305	369	ug/kg	J	1
Benzo(g,h,i)perylene	98.1	369	ug/kg	J	1
Benzo(k)fluoranthene	158	369	ug/kg	J	1
Benzyl Butyl Phthalate	BQL	369	ug/kg	U	1
Carbazole	BQL	369	ug/kg	U	1
Chrysene	202	369	ug/kg	J	1

Summary of Analytical Results

Client ID AA0431
GPL ID: 9154-007-05-1
Matrix: Soil
Date Collected: Sep-25-2000
Date Received: Sep-26-2000

Prep Method: SW3550
Prep Date: Sep-28-2000
Prep Time: 08:43
Prep Chemist: Shila Soleimani

Analytical Method: SW8270CTCL
Date Analyzed: Oct-12-2000
Time Analyzed 17:02
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	369	ug/kg	U	1
Dibenzofuran	BQL	369	ug/kg	U	1
Diethyl Phthalate	BQL	369	ug/kg	U	1
Dimethyl Phthalate	BQL	369	ug/kg	U	1
Fluoranthene	193	369	ug/kg	J	1
Fluorene	BQL	369	ug/kg	U	1
Hexachlorobenzene	BQL	369	ug/kg	U	1
Hexachlorobutadiene	BQL	369	ug/kg	U	1
Hexachlorocyclopentadiene	BQL	369	ug/kg	U	1
Hexachloroethane	BQL	369	ug/kg	U	1
Indeno(1,2,3-c,d)Pyrene	99.6	369	ug/kg	J	1
Isophorone	BQL	369	ug/kg	U	1
Naphthalene	BQL	369	ug/kg	U	1
Nitrobenzene	BQL	369	ug/kg	U	1
Pentachlorophenol	BQL	738	ug/kg	U	1
Phenanthrene	BQL	369	ug/kg	U	1
Phenol	BQL	369	ug/kg	U	1
Pyrene	175	369	ug/kg	J	1
bis(2-chloroethoxy) methane	BQL	369	ug/kg	U	1
bis(2-chloroethyl) ether	BQL	369	ug/kg	U	1
bis(2-ethylhexyl) phthalate	BQL	369	ug/kg	U	1
di-n-Butyl Phthalate	BQL	369	ug/kg	U	1
di-n-Octyl Phthalate	BQL	369	ug/kg	U	1
n-Nitrosodi-n-Propylamine	BQL	369	ug/kg	U	1
n-Nitrosodiphenylamine	BQL	369	ug/kg	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AA0432
GPL ID: 9154-008-05-1
Matrix: Soil
Date Collected: Sep-25-2000
Date Received: Sep-26-2000

Prep Method: SW3550
Prep Date: Sep-28-2000
Prep Time: 08:43
Prep Chemist: Shila Soleimani

Analytical Method: SW8270CTCL
Date Analyzed: Oct-12-2000
Time Analyzed 17:38
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	403	ug/kg	U	1
1,2-Dichlorobenzene	BQL	403	ug/kg	U	1
1,3-Dichlorobenzene	BQL	403	ug/kg	U	1
1,4-Dichlorobenzene	BQL	403	ug/kg	U	1
2,2-Oxybis(1-Chloro)Propane	BQL	403	ug/kg	U	1
2,4,5-Trichlorophenol	BQL	403	ug/kg	U	1
2,4,6-Trichlorophenol	BQL	403	ug/kg	U	1
2,4-Dichlorophenol	BQL	403	ug/kg	U	1
2,4-Dimethylphenol	BQL	403	ug/kg	U	1
2,4-Dinitrophenol	BQL	806	ug/kg	U	1
2,4-Dinitrotoluene	4720	403	ug/kg		1
2,6-Dinitrotoluene	1320	403	ug/kg		1
2-Chloronaphthalene	BQL	403	ug/kg	U	1
2-Chlorophenol	BQL	403	ug/kg	U	1
2-Methylnaphthalene	90.7	403	ug/kg	J	1
2-Nitroaniline	BQL	403	ug/kg	U	1
2-Nitrophenol	BQL	403	ug/kg	U	1
2-methylphenol	BQL	403	ug/kg	U	1
3,3-Dichlorobenzidine	BQL	806	ug/kg	U	1
3-Nitroaniline	BQL	403	ug/kg	U	1
4,6-dinitro-2-methyl phenol	BQL	806	ug/kg	U	1
4-Bromophenyl-phenylether	BQL	403	ug/kg	U	1
4-Chloroaniline	BQL	403	ug/kg	U	1
4-Chlorophenyl Phenyl Ether	BQL	403	ug/kg	U	1
4-Nitroaniline	BQL	403	ug/kg	U	1
4-Nitrophenol	BQL	806	ug/kg	U	1
4-chloro-3-methylphenol	BQL	403	ug/kg	U	1
4-methylphenol	BQL	403	ug/kg	U	1
Acenaphthene	BQL	403	ug/kg	U	1
Acenaphthylene	BQL	403	ug/kg	U	1
Anthracene	BQL	403	ug/kg	U	1
Benzo(a)anthracene	BQL	403	ug/kg	U	1
Benzo(a)pyrene	BQL	403	ug/kg	U	1
Benzo(b)fluoranthene	BQL	403	ug/kg	U	1
Benzo(g,h,i)perylene	BQL	403	ug/kg	U	1
Benzo(k)fluoranthene	BQL	403	ug/kg	U	1
Benzyl Butyl Phthalate	BQL	403	ug/kg	U	1
Carbazole	BQL	403	ug/kg	U	1
Chrysene	73.3	403	ug/kg	J	1

Summary of Analytical Results

Client ID AA0432
GPL ID: 9154-008-05-1
Matrix: Soil
Date Collected: Sep-25-2000
Date Received: Sep-26-2000

Prep Method: SW3550
Prep Date: Sep-28-2000
Prep Time: 08:43
Prep Chemist: Shila Soleimani

Analytical Method: SW8270CTCL
Date Analyzed: Oct-12-2000
Time Analyzed 17:38
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	403	ug/kg	U	1
Dibenzofuran	BQL	403	ug/kg	U	1
Diethyl Phthalate	BQL	403	ug/kg	U	1
Dimethyl Phthalate	BQL	403	ug/kg	U	1
Fluoranthene	BQL	403	ug/kg	U	1
Fluorene	BQL	403	ug/kg	U	1
Hexachlorobenzene	BQL	403	ug/kg	U	1
Hexachlorobutadiene	BQL	403	ug/kg	U	1
Hexachlorocyclopentadiene	BQL	403	ug/kg	U	1
Hexachloroethane	BQL	403	ug/kg	U	1
Indeno(1,2,3-c,d)Pyrene	BQL	403	ug/kg	U	1
Isophorone	BQL	403	ug/kg	U	1
Naphthalene	BQL	403	ug/kg	U	1
Nitrobenzene	BQL	403	ug/kg	U	1
Pentachlorophenol	BQL	806	ug/kg	U	1
Phenanthrene	60.0	403	ug/kg	J	1
Phenol	BQL	403	ug/kg	U	1
Pyrene	BQL	403	ug/kg	U	1
bis(2-chloroethoxy) methane	BQL	403	ug/kg	U	1
bis(2-chloroethyl) ether	BQL	403	ug/kg	U	1
bis(2-ethylhexyl) phthalate	BQL	403	ug/kg	U	1
di-n-Butyl Phthalate	56.8	403	ug/kg	J	1
di-n-Octyl Phthalate	BQL	403	ug/kg	U	1
n-Nitrosodi-n-Propylamine	BQL	403	ug/kg	U	1
n-Nitrosodiphenylamine	BQL	403	ug/kg	U	1

Summary of Analytical Results

Client ID AA0433
GPL ID: 9154-009-05-1
Matrix: Soil
Date Collected: Sep-25-2000
Date Received: Sep-26-2000

Prep Method: SW3550
Prep Date: Sep-28-2000
Prep Time: 08:43
Prep Chemist: Shila Soleimani

Analytical Method: SW8270CTCL
Date Analyzed: Oct-12-2000
Time Analyzed 15:50
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	372	ug/kg	U	1
1,2-Dichlorobenzene	BQL	372	ug/kg	U	1
1,3-Dichlorobenzene	BQL	372	ug/kg	U	1
1,4-Dichlorobenzene	BQL	372	ug/kg	U	1
2,2-Oxybis(1-Chloro)Propane	BQL	372	ug/kg	U	1
2,4,5-Trichlorophenol	BQL	372	ug/kg	U	1
2,4,6-Trichlorophenol	BQL	372	ug/kg	U	1
2,4-Dichlorophenol	BQL	372	ug/kg	U	1
2,4-Dimethylphenol	BQL	372	ug/kg	U	1
2,4-Dinitrophenol	BQL	745	ug/kg	U	1
2,4-Dinitrotoluene	92.0	372	ug/kg	J	1
2,6-Dinitrotoluene	BQL	372	ug/kg	U	1
2-Chloronaphthalene	BQL	372	ug/kg	U	1
2-Chlorophenol	BQL	372	ug/kg	U	1
2-Methylnaphthalene	BQL	372	ug/kg	U	1
2-Nitroaniline	BQL	372	ug/kg	U	1
2-Nitrophenol	BQL	372	ug/kg	U	1
2-methylphenol	BQL	372	ug/kg	U	1
3,3-Dichlorobenzidine	BQL	745	ug/kg	U	1
3-Nitroaniline	BQL	372	ug/kg	U	1
4,6-dinitro-2-methyl phenol	BQL	745	ug/kg	U	1
4-Bromophenyl-phenylether	BQL	372	ug/kg	U	1
4-Chloroaniline	BQL	372	ug/kg	U	1
4-Chlorophenyl Phenyl Ether	BQL	372	ug/kg	U	1
4-Nitroaniline	BQL	372	ug/kg	U	1
4-Nitrophenol	BQL	745	ug/kg	U	1
4-chloro-3-methylphenol	BQL	372	ug/kg	U	1
4-methylphenol	BQL	372	ug/kg	U	1
Acenaphthene	BQL	372	ug/kg	U	1
Acenaphthylene	BQL	372	ug/kg	U	1
Anthracene	BQL	372	ug/kg	U	1
Benzo(a)anthracene	BQL	372	ug/kg	U	1
Benzo(a)pyrene	BQL	372	ug/kg	U	1
Benzo(b)fluoranthene	BQL	372	ug/kg	U	1
Benzo(g,h,i)perylene	BQL	372	ug/kg	U	1
Benzo(k)fluoranthene	BQL	372	ug/kg	U	1
Benzyl Butyl Phthalate	BQL	372	ug/kg	U	1
Carbazole	BQL	372	ug/kg	U	1
Chrysene	BQL	372	ug/kg	U	1

Summary of Analytical Results

Client ID AA0433
GPL ID: 9154-009-05-1
Matrix: Soil
Date Collected: Sep-25-2000
Date Received: Sep-26-2000

Prep Method: SW3550
Prep Date: Sep-28-2000
Prep Time: 08:43
Prep Chemist: Shila Soleimani

Analytical Method: SW8270CTCL
Date Analyzed: Oct-12-2000
Time Analyzed 15:50
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	372	ug/kg	U	1
Dibenzofuran	BQL	372	ug/kg	U	1
Diethyl Phthalate	BQL	372	ug/kg	U	1
Dimethyl Phthalate	BQL	372	ug/kg	U	1
Fluoranthene	BQL	372	ug/kg	U	1
Fluorene	BQL	372	ug/kg	U	1
Hexachlorobenzene	BQL	372	ug/kg	U	1
Hexachlorobutadiene	BQL	372	ug/kg	U	1
Hexachlorocyclopentadiene	BQL	372	ug/kg	U	1
Hexachloroethane	BQL	372	ug/kg	U	1
Indeno(1,2,3-c,d)Pyrene	BQL	372	ug/kg	U	1
Isophorone	BQL	372	ug/kg	U	1
Naphthalene	BQL	372	ug/kg	U	1
Nitrobenzene	BQL	372	ug/kg	U	1
Pentachlorophenol	BQL	745	ug/kg	U	1
Phenanthrene	BQL	372	ug/kg	U	1
Phenol	BQL	372	ug/kg	U	1
Pyrene	BQL	372	ug/kg	U	1
bis(2-chloroethoxy) methane	BQL	372	ug/kg	U	1
bis(2-chloroethyl) ether	BQL	372	ug/kg	U	1
bis(2-ethylhexyl) phthalate	BQL	372	ug/kg	U	1
di-n-Butyl Phthalate	BQL	372	ug/kg	U	1
di-n-Octyl Phthalate	BQL	372	ug/kg	U	1
n-Nitrosodi-n-Propylamine	BQL	372	ug/kg	U	1
n-Nitrosodiphenylamine	BQL	372	ug/kg	U	1

Summary of Analytical Results

Client ID AA0434
GPL ID: 9154-010-04-1
Matrix: Soil
Date Collected: Sep-25-2000
Date Received: Sep-26-2000

Prep Method: SW3550
Prep Date: Sep-28-2000
Prep Time: 08:43
Prep Chemist: Shila Soleimani

Analytical Method: SW8270CTCL
Date Analyzed: Oct-12-2000
Time Analyzed 18:15
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	430	ug/kg	U	1
1,2-Dichlorobenzene	BQL	430	ug/kg	U	1
1,3-Dichlorobenzene	BQL	430	ug/kg	U	1
1,4-Dichlorobenzene	BQL	430	ug/kg	U	1
2,2-Oxybis(1-Chloro)Propane	BQL	430	ug/kg	U	1
2,4,5-Trichlorophenol	BQL	430	ug/kg	U	1
2,4,6-Trichlorophenol	BQL	430	ug/kg	U	1
2,4-Dichlorophenol	BQL	430	ug/kg	U	1
2,4-Dimethylphenol	BQL	430	ug/kg	U	1
2,4-Dinitrophenol	BQL	859	ug/kg	U	1
2,4-Dinitrotoluene	173	430	ug/kg	J	1
2,6-Dinitrotoluene	BQL	430	ug/kg	U	1
2-Chloronaphthalene	BQL	430	ug/kg	U	1
2-Chlorophenol	BQL	430	ug/kg	U	1
2-Methylnaphthalene	BQL	430	ug/kg	U	1
2-Nitroaniline	BQL	430	ug/kg	U	1
2-Nitrophenol	BQL	430	ug/kg	U	1
2-methylphenol	BQL	430	ug/kg	U	1
3,3-Dichlorobenzidine	BQL	859	ug/kg	U	1
3-Nitroaniline	BQL	430	ug/kg	U	1
4,6-dinitro-2-methyl phenol	BQL	859	ug/kg	U	1
4-Bromophenyl-phenylether	BQL	430	ug/kg	U	1
4-Chloroaniline	BQL	430	ug/kg	U	1
4-Chlorophenyl Phenyl Ether	BQL	430	ug/kg	U	1
4-Nitroaniline	BQL	430	ug/kg	U	1
4-Nitrophenol	BQL	859	ug/kg	U	1
4-chloro-3-methylphenol	BQL	430	ug/kg	U	1
4-methylphenol	BQL	430	ug/kg	U	1
Acenaphthene	BQL	430	ug/kg	U	1
Acenaphthylene	BQL	430	ug/kg	U	1
Anthracene	BQL	430	ug/kg	U	1
Benzo(a)anthracene	BQL	430	ug/kg	U	1
Benzo(a)pyrene	BQL	430	ug/kg	U	1
Benzo(b)fluoranthene	BQL	430	ug/kg	U	1
Benzo(g,h,i)perylene	BQL	430	ug/kg	U	1
Benzo(k)fluoranthene	BQL	430	ug/kg	U	1
Benzyl Butyl Phthalate	BQL	430	ug/kg	U	1
Carbazole	BQL	430	ug/kg	U	1
Chrysene	BQL	430	ug/kg	U	1

Summary of Analytical Results

Client ID AA0434
GPL ID: 9154-010-04-1
Matrix: Soil
Date Collected: Sep-25-2000
Date Received: Sep-26-2000

Prep Method: SW3550
Prep Date: Sep-28-2000
Prep Time: 08:43
Prep Chemist: Shila Soleimani

Analytical Method: SW8270CTCL
Date Analyzed: Oct-12-2000
Time Analyzed 18:15
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	430	ug/kg	U	1
Dibenzofuran	BQL	430	ug/kg	U	1
Diethyl Phthalate	BQL	430	ug/kg	U	1
Dimethyl Phthalate	BQL	430	ug/kg	U	1
Fluoranthene	BQL	430	ug/kg	U	1
Fluorene	BQL	430	ug/kg	U	1
Hexachlorobenzene	BQL	430	ug/kg	U	1
Hexachlorobutadiene	BQL	430	ug/kg	U	1
Hexachlorocyclopentadiene	BQL	430	ug/kg	U	1
Hexachloroethane	BQL	430	ug/kg	U	1
Indeno(1,2,3-c,d)Pyrene	BQL	430	ug/kg	U	1
Isophorone	BQL	430	ug/kg	U	1
Naphthalene	BQL	430	ug/kg	U	1
Nitrobenzene	BQL	430	ug/kg	U	1
Pentachlorophenol	BQL	859	ug/kg	U	1
Phenanthrene	BQL	430	ug/kg	U	1
Phenol	BQL	430	ug/kg	U	1
Pyrene	BQL	430	ug/kg	U	1
bis(2-chloroethoxy) methane	BQL	430	ug/kg	U	1
bis(2-chloroethyl) ether	BQL	430	ug/kg	U	1
bis(2-ethylhexyl) phthalate	BQL	430	ug/kg	U	1
di-n-Butyl Phthalate	BQL	430	ug/kg	U	1
di-n-Octyl Phthalate	BQL	430	ug/kg	U	1
n-Nitrosodi-n-Propylamine	BQL	430	ug/kg	U	1
n-Nitrosodiphenylamine	BQL	430	ug/kg	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AA0435
GPL ID: 9154-011-04-1
Matrix: Soil
Date Collected: Sep-25-2000
Date Received: Sep-26-2000

Prep Method: SW3550
Prep Date: Sep-28-2000
Prep Time: 08:43
Prep Chemist: Shila Soleimani

Analytical Method: SW8270CTCL
Date Analyzed: Oct-13-2000
Time Analyzed 14:43
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	425	ug/kg	U	1
1,2-Dichlorobenzene	BQL	425	ug/kg	U	1
1,3-Dichlorobenzene	BQL	425	ug/kg	U	1
1,4-Dichlorobenzene	BQL	425	ug/kg	U	1
2,2-Oxybis(1-Chloro)Propane	BQL	425	ug/kg	U	1
2,4,5-Trichlorophenol	BQL	425	ug/kg	U	1
2,4,6-Trichlorophenol	BQL	425	ug/kg	U	1
2,4-Dichlorophenol	BQL	425	ug/kg	U	1
2,4-Dimethylphenol	BQL	425	ug/kg	U	1
2,4-Dinitrophenol	BQL	851	ug/kg	U	1
2,4-Dinitrotoluene	260	425	ug/kg	J	1
2,6-Dinitrotoluene	BQL	425	ug/kg	U	1
2-Chloronaphthalene	BQL	425	ug/kg	U	1
2-Chlorophenol	BQL	425	ug/kg	U	1
2-Methylnaphthalene	BQL	425	ug/kg	U	1
2-Nitroaniline	BQL	425	ug/kg	U	1
2-Nitrophenol	BQL	425	ug/kg	U	1
2-methylphenol	BQL	425	ug/kg	U	1
3,3-Dichlorobenzidine	BQL	851	ug/kg	U	1
3-Nitroaniline	BQL	425	ug/kg	U	1
4,6-dinitro-2-methyl phenol	BQL	851	ug/kg	U	1
4-Bromophenyl-phenylether	BQL	425	ug/kg	U	1
4-Chloroaniline	BQL	425	ug/kg	U	1
4-Chlorophenyl Phenyl Ether	BQL	425	ug/kg	U	1
4-Nitroaniline	BQL	425	ug/kg	U	1
4-Nitrophenol	BQL	851	ug/kg	U	1
4-chloro-3-methylphenol	BQL	425	ug/kg	U	1
4-methylphenol	BQL	425	ug/kg	U	1
Acenaphthene	BQL	425	ug/kg	U	1
Acenaphthylene	BQL	425	ug/kg	U	1
Anthracene	BQL	425	ug/kg	U	1
Benzo(a)anthracene	BQL	425	ug/kg	U	1
Benzo(a)pyrene	BQL	425	ug/kg	U	1
Benzo(b)fluoranthene	BQL	425	ug/kg	U	1
Benzo(g,h,i)perylene	BQL	425	ug/kg	U	1
Benzo(k)fluoranthene	BQL	425	ug/kg	U	1
Benzyl Butyl Phthalate	BQL	425	ug/kg	U	1
Carbazole	BQL	425	ug/kg	U	1
Chrysene	BQL	425	ug/kg	U	1

Summary of Analytical Results

Client ID AA0435
GPL ID: 9154-011-04-1
Matrix: Soil
Date Collected: Sep-25-2000
Date Received: Sep-26-2000

Prep Method: SW3550
Prep Date: Sep-28-2000
Prep Time: 08:43
Prep Chemist: Shila Soleimani

Analytical Method: SW8270CTCL
Date Analyzed: Oct-13-2000
Time Analyzed 14:43
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	425	ug/kg	U	1
Dibenzofuran	BQL	425	ug/kg	U	1
Diethyl Phthalate	BQL	425	ug/kg	U	1
Dimethyl Phthalate	BQL	425	ug/kg	U	1
Fluoranthene	BQL	425	ug/kg	U	1
Fluorene	BQL	425	ug/kg	U	1
Hexachlorobenzene	BQL	425	ug/kg	U	1
Hexachlorobutadiene	BQL	425	ug/kg	U	1
Hexachlorocyclopentadiene	BQL	425	ug/kg	U	1
Hexachloroethane	BQL	425	ug/kg	U	1
Indeno(1,2,3-c,d)Pyrene	BQL	425	ug/kg	U	1
Isophorone	BQL	425	ug/kg	U	1
Naphthalene	BQL	425	ug/kg	U	1
Nitrobenzene	BQL	425	ug/kg	U	1
Pentachlorophenol	BQL	851	ug/kg	U	1
Phenanthrene	BQL	425	ug/kg	U	1
Phenol	BQL	425	ug/kg	U	1
Pyrene	BQL	425	ug/kg	U	1
bis(2-chloroethoxy) methane	BQL	425	ug/kg	U	1
bis(2-chloroethyl) ether	BQL	425	ug/kg	U	1
bis(2-ethylhexyl) phthalate	BQL	425	ug/kg	U	1
di-n-Butyl Phthalate	BQL	425	ug/kg	U	1
di-n-Octyl Phthalate	BQL	425	ug/kg	U	1
n-Nitrosodi-n-Propylamine	BQL	425	ug/kg	U	1
n-Nitrosodiphenylamine	BQL	425	ug/kg	U	1

Summary of Analytical Results

Client ID AA0445
GPL ID: 9154-013-05-1
Matrix: Soil
Date Collected: Sep-25-2000
Date Received: Sep-26-2000

Prep Method: SW3550
Prep Date: Sep-28-2000
Prep Time: 08:43
Prep Chemist: Shila Soleimani

Analytical Method: SW8270CTCL
Date Analyzed: Oct-12-2000
Time Analyzed 18:51
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	366	ug/kg	U	1
1,2-Dichlorobenzene	BQL	366	ug/kg	U	1
1,3-Dichlorobenzene	BQL	366	ug/kg	U	1
1,4-Dichlorobenzene	BQL	366	ug/kg	U	1
2,2-Oxybis(1-Chloro)Propane	BQL	366	ug/kg	U	1
2,4,5-Trichlorophenol	BQL	366	ug/kg	U	1
2,4,6-Trichlorophenol	BQL	366	ug/kg	U	1
2,4-Dichlorophenol	BQL	366	ug/kg	U	1
2,4-Dimethylphenol	BQL	366	ug/kg	U	1
2,4-Dinitrophenol	BQL	732	ug/kg	U	1
2,4-Dinitrotoluene	BQL	366	ug/kg	U	1
2,6-Dinitrotoluene	BQL	366	ug/kg	U	1
2-Chloronaphthalene	BQL	366	ug/kg	U	1
2-Chlorophenol	BQL	366	ug/kg	U	1
2-Methylnaphthalene	BQL	366	ug/kg	U	1
2-Nitroaniline	BQL	366	ug/kg	U	1
2-Nitrophenol	BQL	366	ug/kg	U	1
2-methylphenol	BQL	366	ug/kg	U	1
3,3-Dichlorobenzidine	BQL	732	ug/kg	U	1
3-Nitroaniline	BQL	366	ug/kg	U	1
4,6-dinitro-2-methyl phenol	BQL	732	ug/kg	U	1
4-Bromophenyl-phenylether	BQL	366	ug/kg	U	1
4-Chloroaniline	BQL	366	ug/kg	U	1
4-Chlorophenyl Phenyl Ether	BQL	366	ug/kg	U	1
4-Nitroaniline	BQL	366	ug/kg	U	1
4-Nitrophenol	BQL	732	ug/kg	U	1
4-chloro-3-methylphenol	BQL	366	ug/kg	U	1
4-methylphenol	BQL	366	ug/kg	U	1
Acenaphthene	BQL	366	ug/kg	U	1
Acenaphthylene	BQL	366	ug/kg	U	1
Anthracene	BQL	366	ug/kg	U	1
Benzo(a)anthracene	BQL	366	ug/kg	U	1
Benzo(a)pyrene	BQL	366	ug/kg	U	1
Benzo(b)fluoranthene	BQL	366	ug/kg	U	1
Benzo(g,h,i)perylene	BQL	366	ug/kg	U	1
Benzo(k)fluoranthene	BQL	366	ug/kg	U	1
Benzyl Butyl Phthalate	BQL	366	ug/kg	U	1
Carbazole	BQL	366	ug/kg	U	1
Chrysene	BQL	366	ug/kg	U	1

Summary of Analytical Results

Client ID AA0445
GPL ID: 9154-013-05-1
Matrix: Soil
Date Collected: Sep-25-2000
Date Received: Sep-26-2000

Prep Method: SW3550
Prep Date: Sep-28-2000
Prep Time: 08:43
Prep Chemist: Shila Soleimani

Analytical Method: SW8270CTCL
Date Analyzed: Oct-12-2000
Time Analyzed 18:51
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	366	ug/kg	U	1
Dibenzofuran	BQL	366	ug/kg	U	1
Diethyl Phthalate	BQL	366	ug/kg	U	1
Dimethyl Phthalate	BQL	366	ug/kg	U	1
Fluoranthene	BQL	366	ug/kg	U	1
Fluorene	BQL	366	ug/kg	U	1
Hexachlorobenzene	BQL	366	ug/kg	U	1
Hexachlorobutadiene	BQL	366	ug/kg	U	1
Hexachlorocyclopentadiene	BQL	366	ug/kg	U	1
Hexachloroethane	BQL	366	ug/kg	U	1
Indeno(1,2,3-c,d)Pyrene	BQL	366	ug/kg	U	1
Isophorone	BQL	366	ug/kg	U	1
Naphthalene	BQL	366	ug/kg	U	1
Nitrobenzene	BQL	366	ug/kg	U	1
Pentachlorophenol	BQL	732	ug/kg	U	1
Phenanthrene	BQL	366	ug/kg	U	1
Phenol	BQL	366	ug/kg	U	1
Pyrene	BQL	366	ug/kg	U	1
bis(2-chloroethoxy) methane	BQL	366	ug/kg	U	1
bis(2-chloroethyl) ether	BQL	366	ug/kg	U	1
bis(2-ethylhexyl) phthalate	BQL	366	ug/kg	U	1
di-n-Butyl Phthalate	BQL	366	ug/kg	U	1
di-n-Octyl Phthalate	BQL	366	ug/kg	U	1
n-Nitrosodi-n-Propylamine	BQL	366	ug/kg	U	1
n-Nitrosodiphenylamine	BQL	366	ug/kg	U	1

Summary of Analytical Results

Client ID AA0446
GPL ID: 9154-014-05-1
Matrix: Soil
Date Collected: Sep-25-2000
Date Received: Sep-26-2000

Prep Method: SW3550
Prep Date: Sep-28-2000
Prep Time: 08:43
Prep Chemist: Shila Soleimani

Analytical Method: SW8270CTCL
Date Analyzed: Oct-13-2000
Time Analyzed 12:15
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	415	ug/kg	U	1
1,2-Dichlorobenzene	BQL	415	ug/kg	U	1
1,3-Dichlorobenzene	BQL	415	ug/kg	U	1
1,4-Dichlorobenzene	BQL	415	ug/kg	U	1
2,2-Oxybis(1-Chloro)Propane	BQL	415	ug/kg	U	1
2,4,5-Trichlorophenol	BQL	415	ug/kg	U	1
2,4,6-Trichlorophenol	BQL	415	ug/kg	U	1
2,4-Dichlorophenol	BQL	415	ug/kg	U	1
2,4-Dimethylphenol	BQL	415	ug/kg	U	1
2,4-Dinitrophenol	BQL	831	ug/kg	U	1
2,4-Dinitrotoluene	BQL	415	ug/kg	U	1
2,6-Dinitrotoluene	BQL	415	ug/kg	U	1
2-Chloronaphthalene	BQL	415	ug/kg	U	1
2-Chlorophenol	BQL	415	ug/kg	U	1
2-Methylnaphthalene	BQL	415	ug/kg	U	1
2-Nitroaniline	BQL	415	ug/kg	U	1
2-Nitrophenol	BQL	415	ug/kg	U	1
2-methylphenol	BQL	415	ug/kg	U	1
3,3-Dichlorobenzidine	BQL	831	ug/kg	U	1
3-Nitroaniline	BQL	415	ug/kg	U	1
4,6-dinitro-2-methyl phenol	BQL	831	ug/kg	U	1
4-Bromophenyl-phenylether	BQL	415	ug/kg	U	1
4-Chloroaniline	BQL	415	ug/kg	U	1
4-Chlorophenyl Phenyl Ether	BQL	415	ug/kg	U	1
4-Nitroaniline	BQL	415	ug/kg	U	1
4-Nitrophenol	BQL	831	ug/kg	U	1
4-chloro-3-methylphenol	BQL	415	ug/kg	U	1
4-methylphenol	BQL	415	ug/kg	U	1
Acenaphthene	BQL	415	ug/kg	U	1
Acenaphthylene	BQL	415	ug/kg	U	1
Anthracene	BQL	415	ug/kg	U	1
Benzo(a)anthracene	BQL	415	ug/kg	U	1
Benzo(a)pyrene	42.4	415	ug/kg	J	1
Benzo(b)fluoranthene	BQL	415	ug/kg	U	1
Benzo(g,h,i)perylene	BQL	415	ug/kg	U	1
Benzo(k)fluoranthene	BQL	415	ug/kg	U	1
Benzyl Butyl Phthalate	BQL	415	ug/kg	U	1
Carbazole	BQL	415	ug/kg	U	1
Chrysene	BQL	415	ug/kg	U	1

Summary of Analytical Results

Client ID AA0446
GPL ID: 9154-014-05-1
Matrix: Soil
Date Collected: Sep-25-2000
Date Received: Sep-26-2000

Prep Method: SW3550
Prep Date: Sep-28-2000
Prep Time: 08:43
Prep Chemist: Shila Soleimani

Analytical Method: SW8270CTCL
Date Analyzed: Oct-13-2000
Time Analyzed 12:15
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	415	ug/kg	U	1
Dibenzofuran	BQL	415	ug/kg	U	1
Diethyl Phthalate	BQL	415	ug/kg	U	1
Dimethyl Phthalate	BQL	415	ug/kg	U	1
Fluoranthene	BQL	415	ug/kg	U	1
Fluorene	BQL	415	ug/kg	U	1
Hexachlorobenzene	BQL	415	ug/kg	U	1
Hexachlorobutadiene	BQL	415	ug/kg	U	1
Hexachlorocyclopentadiene	BQL	415	ug/kg	U	1
Hexachloroethane	BQL	415	ug/kg	U	1
Indeno(1,2,3-c,d)Pyrene	BQL	415	ug/kg	U	1
Isophorone	BQL	415	ug/kg	U	1
Naphthalene	BQL	415	ug/kg	U	1
Nitrobenzene	BQL	415	ug/kg	U	1
Pentachlorophenol	BQL	831	ug/kg	U	1
Phenanthrene	BQL	415	ug/kg	U	1
Phenol	BQL	415	ug/kg	U	1
Pyrene	BQL	415	ug/kg	U	1
bis(2-chloroethoxy) methane	BQL	415	ug/kg	U	1
bis(2-chloroethyl) ether	BQL	415	ug/kg	U	1
bis(2-ethylhexyl) phthalate	BQL	415	ug/kg	U	1
di-n-Butyl Phthalate	BQL	415	ug/kg	U	1
di-n-Octyl Phthalate	BQL	415	ug/kg	U	1
n-Nitrosodi-n-Propylamine	BQL	415	ug/kg	U	1
n-Nitrosodiphenylamine	BQL	415	ug/kg	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AA0447
GPL ID: 9154-015-05-1
Matrix: Soil
Date Collected: Sep-25-2000
Date Received: Sep-26-2000

Prep Method: SW3550
Prep Date: Sep-28-2000
Prep Time: 08:43
Prep Chemist: Shila Soleimani

Analytical Method: SW8270CTCL
Date Analyzed: Oct-13-2000
Time Analyzed 15:53
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	426	ug/kg	U	1
1,2-Dichlorobenzene	BQL	426	ug/kg	U	1
1,3-Dichlorobenzene	BQL	426	ug/kg	U	1
1,4-Dichlorobenzene	BQL	426	ug/kg	U	1
2,2-Oxybis(1-Chloro)Propane	BQL	426	ug/kg	U	1
2,4,5-Trichlorophenol	BQL	426	ug/kg	U	1
2,4,6-Trichlorophenol	BQL	426	ug/kg	U	1
2,4-Dichlorophenol	BQL	426	ug/kg	U	1
2,4-Dimethylphenol	BQL	426	ug/kg	U	1
2,4-Dinitrophenol	BQL	852	ug/kg	U	1
2,4-Dinitrotoluene	480	426	ug/kg		1
2,6-Dinitrotoluene	62.2	426	ug/kg	J	1
2-Chloronaphthalene	BQL	426	ug/kg	U	1
2-Chlorophenol	BQL	426	ug/kg	U	1
2-Methylnaphthalene	BQL	426	ug/kg	U	1
2-Nitroaniline	BQL	426	ug/kg	U	1
2-Nitrophenol	BQL	426	ug/kg	U	1
2-methylphenol	BQL	426	ug/kg	U	1
3,3-Dichlorobenzidine	BQL	852	ug/kg	U	1
3-Nitroaniline	BQL	426	ug/kg	U	1
4,6-dinitro-2-methyl phenol	BQL	852	ug/kg	U	1
4-Bromophenyl-phenylether	BQL	426	ug/kg	U	1
4-Chloroaniline	BQL	426	ug/kg	U	1
4-Chlorophenyl Phenyl Ether	BQL	426	ug/kg	U	1
4-Nitroaniline	BQL	426	ug/kg	U	1
4-Nitrophenol	BQL	852	ug/kg	U	1
4-chloro-3-methylphenol	BQL	426	ug/kg	U	1
4-methylphenol	BQL	426	ug/kg	U	1
Acenaphthene	BQL	426	ug/kg	U	1
Acenaphthylene	BQL	426	ug/kg	U	1
Anthracene	BQL	426	ug/kg	U	1
Benzo(a)anthracene	BQL	426	ug/kg	U	1
Benzo(a)pyrene	BQL	426	ug/kg	U	1
Benzo(b)fluoranthene	BQL	426	ug/kg	U	1
Benzo(g,h,i)perylene	BQL	426	ug/kg	U	1
Benzo(k)fluoranthene	BQL	426	ug/kg	U	1
Benzyl Butyl Phthalate	BQL	426	ug/kg	U	1
Carbazole	BQL	426	ug/kg	U	1
Chrysene	BQL	426	ug/kg	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AA0447
GPL ID: 9154-015-05-1
Matrix: Soil
Date Collected: Sep-25-2000
Date Received: Sep-26-2000

Prep Method: SW3550
Prep Date: Sep-28-2000
Prep Time: 08:43
Prep Chemist: Shila Soleimani

Analytical Method: SW8270CTCL
Date Analyzed: Oct-13-2000
Time Analyzed 15:53
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	426	ug/kg	U	1
Dibenzofuran	BQL	426	ug/kg	U	1
Diethyl Phthalate	BQL	426	ug/kg	U	1
Dimethyl Phthalate	BQL	426	ug/kg	U	1
Fluoranthene	BQL	426	ug/kg	U	1
Fluorene	BQL	426	ug/kg	U	1
Hexachlorobenzene	BQL	426	ug/kg	U	1
Hexachlorobutadiene	BQL	426	ug/kg	U	1
Hexachlorocyclopentadiene	BQL	426	ug/kg	U	1
Hexachloroethane	BQL	426	ug/kg	U	1
Indeno(1,2,3-c,d)Pyrene	BQL	426	ug/kg	U	1
Isophorone	BQL	426	ug/kg	U	1
Naphthalene	BQL	426	ug/kg	U	1
Nitrobenzene	BQL	426	ug/kg	U	1
Pentachlorophenol	BQL	852	ug/kg	U	1
Phenanthrene	BQL	426	ug/kg	U	1
Phenol	BQL	426	ug/kg	U	1
Pyrene	BQL	426	ug/kg	U	1
bis(2-chloroethoxy) methane	BQL	426	ug/kg	U	1
bis(2-chloroethyl) ether	BQL	426	ug/kg	U	1
bis(2-ethylhexyl) phthalate	BQL	426	ug/kg	U	1
di-n-Butyl Phthalate	BQL	426	ug/kg	U	1
di-n-Octyl Phthalate	BQL	426	ug/kg	U	1
n-Nitrosodi-n-Propylamine	BQL	426	ug/kg	U	1
n-Nitrosodiphenylamine	BQL	426	ug/kg	U	1

Summary of Analytical Results

Client ID AA0448
GPL ID: 9154-016-05-1
Matrix: Soil
Date Collected: Sep-25-2000
Date Received: Sep-26-2000

Prep Method: SW3550
Prep Date: Sep-28-2000
Prep Time: 08:43
Prep Chemist: Shila Soleimani

Analytical Method: SW8270CTCL
Date Analyzed: Oct-13-2000
Time Analyzed 14:03
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	438	ug/kg	U	1
1,2-Dichlorobenzene	BQL	438	ug/kg	U	1
1,3-Dichlorobenzene	BQL	438	ug/kg	U	1
1,4-Dichlorobenzene	BQL	438	ug/kg	U	1
2,2-Oxybis(1-Chloro)Propane	BQL	438	ug/kg	U	1
2,4,5-Trichlorophenol	BQL	438	ug/kg	U	1
2,4,6-Trichlorophenol	BQL	438	ug/kg	U	1
2,4-Dichlorophenol	BQL	438	ug/kg	U	1
2,4-Dimethylphenol	BQL	438	ug/kg	U	1
2,4-Dinitrophenol	BQL	876	ug/kg	U	1
2,4-Dinitrotoluene	BQL	438	ug/kg	U	1
2,6-Dinitrotoluene	BQL	438	ug/kg	U	1
2-Chloronaphthalene	BQL	438	ug/kg	U	1
2-Chlorophenol	BQL	438	ug/kg	U	1
2-Methylnaphthalene	BQL	438	ug/kg	U	1
2-Nitroaniline	BQL	438	ug/kg	U	1
2-Nitrophenol	BQL	438	ug/kg	U	1
2-methylphenol	BQL	438	ug/kg	U	1
3,3-Dichlorobenzidine	BQL	876	ug/kg	U	1
3-Nitroaniline	BQL	438	ug/kg	U	1
4,6-dinitro-2-methyl phenol	BQL	876	ug/kg	U	1
4-Bromophenyl-phenylether	BQL	438	ug/kg	U	1
4-Chloroaniline	BQL	438	ug/kg	U	1
4-Chlorophenyl Phenyl Ether	BQL	438	ug/kg	U	1
4-Nitroaniline	BQL	438	ug/kg	U	1
4-Nitrophenol	BQL	876	ug/kg	U	1
4-chloro-3-methylphenol	BQL	438	ug/kg	U	1
4-methylphenol	BQL	438	ug/kg	U	1
Acenaphthene	BQL	438	ug/kg	U	1
Acenaphthylene	BQL	438	ug/kg	U	1
Anthracene	BQL	438	ug/kg	U	1
Benzo(a)anthracene	BQL	438	ug/kg	U	1
Benzo(a)pyrene	BQL	438	ug/kg	U	1
Benzo(b)fluoranthene	BQL	438	ug/kg	U	1
Benzo(g,h,i)perylene	BQL	438	ug/kg	U	1
Benzo(k)fluoranthene	BQL	438	ug/kg	U	1
Benzyl Butyl Phthalate	BQL	438	ug/kg	U	1
Carbazole	BQL	438	ug/kg	U	1
Chrysene	BQL	438	ug/kg	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AA0448
GPL ID: 9154-016-05-1
Matrix: Soil
Date Collected: Sep-25-2000
Date Received: Sep-26-2000

Prep Method: SW3550
Prep Date: Sep-28-2000
Prep Time: 08:43
Prep Chemist: Shila Soleimani

Analytical Method: SW8270CTCL
Date Analyzed: Oct-13-2000
Time Analyzed 14:03
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	438	ug/kg	U	1
Dibenzofuran	BQL	438	ug/kg	U	1
Diethyl Phthalate	BQL	438	ug/kg	U	1
Dimethyl Phthalate	BQL	438	ug/kg	U	1
Fluoranthene	BQL	438	ug/kg	U	1
Fluorene	BQL	438	ug/kg	U	1
Hexachlorobenzene	BQL	438	ug/kg	U	1
Hexachlorobutadiene	BQL	438	ug/kg	U	1
Hexachlorocyclopentadiene	BQL	438	ug/kg	U	1
Hexachloroethane	BQL	438	ug/kg	U	1
Indeno(1,2,3-c,d)Pyrene	BQL	438	ug/kg	U	1
Isophorone	BQL	438	ug/kg	U	1
Naphthalene	BQL	438	ug/kg	U	1
Nitrobenzene	BQL	438	ug/kg	U	1
Pentachlorophenol	BQL	876	ug/kg	U	1
Phenanthrene	BQL	438	ug/kg	U	1
Phenol	BQL	438	ug/kg	U	1
Pyrene	BQL	438	ug/kg	U	1
bis(2-chloroethoxy) methane	BQL	438	ug/kg	U	1
bis(2-chloroethyl) ether	BQL	438	ug/kg	U	1
bis(2-ethylhexyl) phthalate	BQL	438	ug/kg	U	1
di-n-Butyl Phthalate	BQL	438	ug/kg	U	1
di-n-Octyl Phthalate	BQL	438	ug/kg	U	1
n-Nitrosodi-n-Propylamine	BQL	438	ug/kg	U	1
n-Nitrosodiphenylamine	BQL	438	ug/kg	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AA0449
GPL ID: 9154-017-05-1
Matrix: Soil
Date Collected: Sep-25-2000
Date Received: Sep-26-2000

Prep Method: SW3550
Prep Date: Sep-28-2000
Prep Time: 08:43
Prep Chemist: Shila Soleimani

Analytical Method: SW8270CTCL
Date Analyzed: Oct-13-2000
Time Analyzed 12:52
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	392	ug/kg	U	1
1,2-Dichlorobenzene	BQL	392	ug/kg	U	1
1,3-Dichlorobenzene	BQL	392	ug/kg	U	1
1,4-Dichlorobenzene	BQL	392	ug/kg	U	1
2,2-Oxybis(1-Chloro)Propane	BQL	392	ug/kg	U	1
2,4,5-Trichlorophenol	BQL	392	ug/kg	U	1
2,4,6-Trichlorophenol	BQL	392	ug/kg	U	1
2,4-Dichlorophenol	BQL	392	ug/kg	U	1
2,4-Dimethylphenol	BQL	392	ug/kg	U	1
2,4-Dinitrophenol	BQL	784	ug/kg	U	1
2,4-Dinitrotoluene	316	392	ug/kg	J	1
2,6-Dinitrotoluene	52.9	392	ug/kg	J	1
2-Chloronaphthalene	BQL	392	ug/kg	U	1
2-Chlorophenol	BQL	392	ug/kg	U	1
2-Methylnaphthalene	BQL	392	ug/kg	U	1
2-Nitroaniline	BQL	392	ug/kg	U	1
2-Nitrophenol	BQL	392	ug/kg	U	1
2-methylphenol	BQL	392	ug/kg	U	1
3,3-Dichlorobenzidine	BQL	784	ug/kg	U	1
3-Nitroaniline	BQL	392	ug/kg	U	1
4,6-dinitro-2-methyl phenol	BQL	784	ug/kg	U	1
4-Bromophenyl-phenylether	BQL	392	ug/kg	U	1
4-Chloroaniline	BQL	392	ug/kg	U	1
4-Chlorophenyl Phenyl Ether	BQL	392	ug/kg	U	1
4-Nitroaniline	BQL	392	ug/kg	U	1
4-Nitrophenol	BQL	784	ug/kg	U	1
4-chloro-3-methylphenol	BQL	392	ug/kg	U	1
4-methylphenol	BQL	392	ug/kg	U	1
Acenaphthene	BQL	392	ug/kg	U	1
Acenaphthylene	BQL	392	ug/kg	U	1
Anthracene	BQL	392	ug/kg	U	1
Benzo(a)anthracene	BQL	392	ug/kg	U	1
Benzo(a)pyrene	BQL	392	ug/kg	U	1
Benzo(b)fluoranthene	BQL	392	ug/kg	U	1
Benzo(g,h,i)perylene	BQL	392	ug/kg	U	1
Benzo(k)fluoranthene	BQL	392	ug/kg	U	1
Benzyl Butyl Phthalate	BQL	392	ug/kg	U	1
Carbazole	BQL	392	ug/kg	U	1
Chrysene	BQL	392	ug/kg	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AA0449
GPL ID: 9154-017-05-1
Matrix: Soil
Date Collected: Sep-25-2000
Date Received: Sep-26-2000

Prep Method: SW3550
Prep Date: Sep-28-2000
Prep Time: 08:43
Prep Chemist: Shila Soleimani

Analytical Method: SW8270CTCL
Date Analyzed: Oct-13-2000
Time Analyzed 12:52
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	392	ug/kg	U	1
Dibenzofuran	BQL	392	ug/kg	U	1
Diethyl Phthalate	BQL	392	ug/kg	U	1
Dimethyl Phthalate	BQL	392	ug/kg	U	1
Fluoranthene	BQL	392	ug/kg	U	1
Fluorene	BQL	392	ug/kg	U	1
Hexachlorobenzene	BQL	392	ug/kg	U	1
Hexachlorobutadiene	BQL	392	ug/kg	U	1
Hexachlorocyclopentadiene	BQL	392	ug/kg	U	1
Hexachloroethane	BQL	392	ug/kg	U	1
Indeno(1,2,3-c,d)Pyrene	BQL	392	ug/kg	U	1
Isophorone	BQL	392	ug/kg	U	1
Naphthalene	BQL	392	ug/kg	U	1
Nitrobenzene	BQL	392	ug/kg	U	1
Pentachlorophenol	BQL	784	ug/kg	U	1
Phenanthrene	BQL	392	ug/kg	U	1
Phenol	BQL	392	ug/kg	U	1
Pyrene	BQL	392	ug/kg	U	1
bis(2-chloroethoxy) methane	BQL	392	ug/kg	U	1
bis(2-chloroethyl) ether	BQL	392	ug/kg	U	1
bis(2-ethylhexyl) phthalate	BQL	392	ug/kg	U	1
di-n-Butyl Phthalate	BQL	392	ug/kg	U	1
di-n-Octyl Phthalate	BQL	392	ug/kg	U	1
n-Nitrosodi-n-Propylamine	BQL	392	ug/kg	U	1
n-Nitrosodiphenylamine	BQL	392	ug/kg	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AA0450DL
GPL ID: 9154-018-05-1
Matrix: Soil
Date Collected: Sep-25-2000
Date Received: Sep-26-2000

Prep Method: SW3550
Prep Date: Sep-28-2000
Prep Time: 08:43
Prep Chemist: Shila Soleimani

Analytical Method: SW8270CTCL
Date Analyzed: Oct-13-2000
Time Analyzed 16:29
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	39900	ug/kg	U	100
1,2-Dichlorobenzene	BQL	39900	ug/kg	U	100
1,3-Dichlorobenzene	BQL	39900	ug/kg	U	100
1,4-Dichlorobenzene	BQL	39900	ug/kg	U	100
2,2-Oxybis(1-Chloro)Propane	BQL	39900	ug/kg	U	100
2,4,5-Trichlorophenol	BQL	39900	ug/kg	U	100
2,4,6-Trichlorophenol	BQL	39900	ug/kg	U	100
2,4-Dichlorophenol	BQL	39900	ug/kg	U	100
2,4-Dimethylphenol	BQL	39900	ug/kg	U	100
2,4-Dinitrophenol	BQL	79800	ug/kg	U	100
2,4-Dinitrotoluene	80900	39900	ug/kg		100
2,6-Dinitrotoluene	2526000	39900	ug/kg	E	100
2-Chloronaphthalene	BQL	39900	ug/kg	U	100
2-Chlorophenol	BQL	39900	ug/kg	U	100
2-Methylnaphthalene	BQL	39900	ug/kg	U	100
2-Nitroaniline	BQL	39900	ug/kg	U	100
2-Nitrophenol	BQL	39900	ug/kg	U	100
2-methylphenol	BQL	39900	ug/kg	U	100
3,3-Dichlorobenzidine	BQL	79800	ug/kg	U	100
3-Nitroaniline	BQL	39900	ug/kg	U	100
4,6-dinitro-2-methyl phenol	BQL	79800	ug/kg	U	100
4-Bromophenyl-phenylether	BQL	39900	ug/kg	U	100
4-Chloroaniline	BQL	39900	ug/kg	U	100
4-Chlorophenyl Phenyl Ether	BQL	39900	ug/kg	U	100
4-Nitroaniline	BQL	39900	ug/kg	U	100
4-Nitrophenol	BQL	79800	ug/kg	U	100
4-chloro-3-methylphenol	BQL	39900	ug/kg	U	100
4-methylphenol	BQL	39900	ug/kg	U	100
Acenaphthene	BQL	39900	ug/kg	U	100
Acenaphthylene	BQL	39900	ug/kg	U	100
Anthracene	BQL	39900	ug/kg	U	100
Benzo(a)anthracene	BQL	39900	ug/kg	U	100
Benzo(a)pyrene	BQL	39900	ug/kg	U	100
Benzo(b)fluoranthene	BQL	39900	ug/kg	U	100
Benzo(g,h,i)perylene	BQL	39900	ug/kg	U	100
Benzo(k)fluoranthene	BQL	39900	ug/kg	U	100
Benzyl Butyl Phthalate	BQL	39900	ug/kg	U	100
Carbazole	BQL	39900	ug/kg	U	100
Chrysene	BQL	39900	ug/kg	U	100

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AA0450DL
GPL ID: 9154-018-05-1
Matrix: Soil
Date Collected: Sep-25-2000
Date Received: Sep-26-2000

Prep Method: SW3550
Prep Date: Sep-28-2000
Prep Time: 08:43
Prep Chemist: Shila Soleimani

Analytical Method: SW8270CTCL
Date Analyzed: Oct-13-2000
Time Analyzed 16:29
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	39900	ug/kg	U	100
Dibenzofuran	BQL	39900	ug/kg	U	100
Diethyl Phthalate	BQL	39900	ug/kg	U	100
Dimethyl Phthalate	BQL	39900	ug/kg	U	100
Fluoranthene	BQL	39900	ug/kg	U	100
Fluorene	BQL	39900	ug/kg	U	100
Hexachlorobenzene	BQL	39900	ug/kg	U	100
Hexachlorobutadiene	BQL	39900	ug/kg	U	100
Hexachlorocyclopentadiene	BQL	39900	ug/kg	U	100
Hexachloroethane	BQL	39900	ug/kg	U	100
Indeno(1,2,3-c,d)Pyrene	BQL	39900	ug/kg	U	100
Isophorone	BQL	39900	ug/kg	U	100
Naphthalene	BQL	39900	ug/kg	U	100
Nitrobenzene	BQL	39900	ug/kg	U	100
Pentachlorophenol	BQL	79800	ug/kg	U	100
Phenanthrene	BQL	39900	ug/kg	U	100
Phenol	BQL	39900	ug/kg	U	100
Pyrene	BQL	39900	ug/kg	U	100
bis(2-chloroethoxy) methane	BQL	39900	ug/kg	U	100
bis(2-chloroethyl) ether	BQL	39900	ug/kg	U	100
bis(2-ethylhexyl) phthalate	BQL	39900	ug/kg	U	100
di-n-Butyl Phthalate	BQL	39900	ug/kg	U	100
di-n-Octyl Phthalate	BQL	39900	ug/kg	U	100
n-Nitrosodi-n-Propylamine	BQL	39900	ug/kg	U	100
n-Nitrosodiphenylamine	BQL	39900	ug/kg	U	100

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AA0450DL2
GPL ID: 9154-018-05-1
Matrix: Soil
Date Collected: Sep-25-2000
Date Received: Sep-26-2000

Prep Method: SW3550
Prep Date: Sep-28-2000
Prep Time: 08:43
Prep Chemist: Shila Soleimani

Analytical Method: SW8270CTCL
Date Analyzed: Oct-13-2000
Time Analyzed 18:16
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	399000	ug/kg	U	1000
1,2-Dichlorobenzene	BQL	399000	ug/kg	U	1000
1,3-Dichlorobenzene	BQL	399000	ug/kg	U	1000
1,4-Dichlorobenzene	BQL	399000	ug/kg	U	1000
2,2-Oxybis(1-Chloro)Propane	BQL	399000	ug/kg	U	1000
2,4,5-Trichlorophenol	BQL	399000	ug/kg	U	1000
2,4,6-Trichlorophenol	BQL	399000	ug/kg	U	1000
2,4-Dichlorophenol	BQL	399000	ug/kg	U	1000
2,4-Dimethylphenol	BQL	399000	ug/kg	U	1000
2,4-Dinitrophenol	BQL	798000	ug/kg	U	1000
2,4-Dinitrotoluene	726000	399000	ug/kg		1000
2,6-Dinitrotoluene	3201000	399000	ug/kg		1000
2-Chloronaphthalene	BQL	399000	ug/kg	U	1000
2-Chlorophenol	BQL	399000	ug/kg	U	1000
2-Methylnaphthalene	BQL	399000	ug/kg	U	1000
2-Nitroaniline	BQL	399000	ug/kg	U	1000
2-Nitrophenol	BQL	399000	ug/kg	U	1000
2-methylphenol	BQL	399000	ug/kg	U	1000
3,3-Dichlorobenzidine	BQL	798000	ug/kg	U	1000
3-Nitroaniline	BQL	399000	ug/kg	U	1000
4,6-dinitro-2-methyl phenol	BQL	798000	ug/kg	U	1000
4-Bromophenyl-phenylether	BQL	399000	ug/kg	U	1000
4-Chloroaniline	BQL	399000	ug/kg	U	1000
4-Chlorophenyl Phenyl Ether	BQL	399000	ug/kg	U	1000
4-Nitroaniline	BQL	399000	ug/kg	U	1000
4-Nitrophenol	BQL	798000	ug/kg	U	1000
4-chloro-3-methylphenol	BQL	399000	ug/kg	U	1000
4-methylphenol	BQL	399000	ug/kg	U	1000
Acenaphthene	BQL	399000	ug/kg	U	1000
Acenaphthylene	BQL	399000	ug/kg	U	1000
Anthracene	BQL	399000	ug/kg	U	1000
Benzo(a)anthracene	BQL	399000	ug/kg	U	1000
Benzo(a)pyrene	BQL	399000	ug/kg	U	1000
Benzo(b)fluoranthene	BQL	399000	ug/kg	U	1000
Benzo(g,h,i)perylene	BQL	399000	ug/kg	U	1000
Benzo(k)fluoranthene	BQL	399000	ug/kg	U	1000
Benzyl Butyl Phthalate	BQL	399000	ug/kg	U	1000
Carbazole	BQL	399000	ug/kg	U	1000
Chrysene	BQL	399000	ug/kg	U	1000

Summary of Analytical Results

Client ID AA0450DL2
GPL ID: 9154-018-05-1
Matrix: Soil
Date Collected: Sep-25-2000
Date Received: Sep-26-2000

Prep Method: SW3550
Prep Date: Sep-28-2000
Prep Time: 08:43
Prep Chemist: Shila Soleimani

Analytical Method: SW8270CTCL
Date Analyzed: Oct-13-2000
Time Analyzed 18:16
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	399000	ug/kg	U	1000
Dibenzofuran	BQL	399000	ug/kg	U	1000
Diethyl Phthalate	BQL	399000	ug/kg	U	1000
Dimethyl Phthalate	BQL	399000	ug/kg	U	1000
Fluoranthene	BQL	399000	ug/kg	U	1000
Fluorene	BQL	399000	ug/kg	U	1000
Hexachlorobenzene	BQL	399000	ug/kg	U	1000
Hexachlorobutadiene	BQL	399000	ug/kg	U	1000
Hexachlorocyclopentadiene	BQL	399000	ug/kg	U	1000
Hexachloroethane	BQL	399000	ug/kg	U	1000
Indeno(1,2,3-c,d)Pyrene	BQL	399000	ug/kg	U	1000
Isophorone	BQL	399000	ug/kg	U	1000
Naphthalene	BQL	399000	ug/kg	U	1000
Nitrobenzene	BQL	399000	ug/kg	U	1000
Pentachlorophenol	BQL	798000	ug/kg	U	1000
Phenanthrene	BQL	399000	ug/kg	U	1000
Phenol	BQL	399000	ug/kg	U	1000
Pyrene	BQL	399000	ug/kg	U	1000
bis(2-chloroethoxy) methane	BQL	399000	ug/kg	U	1000
bis(2-chloroethyl) ether	BQL	399000	ug/kg	U	1000
bis(2-ethylhexyl) phthalate	BQL	399000	ug/kg	U	1000
di-n-Butyl Phthalate	BQL	399000	ug/kg	U	1000
di-n-Octyl Phthalate	BQL	399000	ug/kg	U	1000
n-Nitrosodi-n-Propylamine	BQL	399000	ug/kg	U	1000
n-Nitrosodiphenylamine	BQL	399000	ug/kg	U	1000

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AA0451
GPL ID: 9154-019-05-1
Matrix: Soil
Date Collected: Sep-25-2000
Date Received: Sep-26-2000

Prep Method: SW3550
Prep Date: Sep-28-2000
Prep Time: 08:43
Prep Chemist: Shila Soleimani

Analytical Method: SW8270CTCL
Date Analyzed: Oct-13-2000
Time Analyzed 13:28
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	381	ug/kg	U	1
1,2-Dichlorobenzene	BQL	381	ug/kg	U	1
1,3-Dichlorobenzene	BQL	381	ug/kg	U	1
1,4-Dichlorobenzene	BQL	381	ug/kg	U	1
2,2-Oxybis(1-Chloro)Propane	BQL	381	ug/kg	U	1
2,4,5-Trichlorophenol	BQL	381	ug/kg	U	1
2,4,6-Trichlorophenol	BQL	381	ug/kg	U	1
2,4-Dichlorophenol	BQL	381	ug/kg	U	1
2,4-Dimethylphenol	BQL	381	ug/kg	U	1
2,4-Dinitrophenol	BQL	763	ug/kg	U	1
2,4-Dinitrotoluene	2030	381	ug/kg		1
2,6-Dinitrotoluene	694	381	ug/kg		1
2-Chloronaphthalene	BQL	381	ug/kg	U	1
2-Chlorophenol	BQL	381	ug/kg	U	1
2-Methylnaphthalene	99.9	381	ug/kg	J	1
2-Nitroaniline	BQL	381	ug/kg	U	1
2-Nitrophenol	BQL	381	ug/kg	U	1
2-methylphenol	BQL	381	ug/kg	U	1
3,3-Dichlorobenzidine	BQL	763	ug/kg	U	1
3-Nitroaniline	BQL	381	ug/kg	U	1
4,6-dinitro-2-methyl phenol	BQL	763	ug/kg	U	1
4-Bromophenyl-phenylether	BQL	381	ug/kg	U	1
4-Chloroaniline	BQL	381	ug/kg	U	1
4-Chlorophenyl Phenyl Ether	BQL	381	ug/kg	U	1
4-Nitroaniline	BQL	381	ug/kg	U	1
4-Nitrophenol	BQL	763	ug/kg	U	1
4-chloro-3-methylphenol	BQL	381	ug/kg	U	1
4-methylphenol	BQL	381	ug/kg	U	1
Acenaphthene	BQL	381	ug/kg	U	1
Acenaphthylene	BQL	381	ug/kg	U	1
Anthracene	BQL	381	ug/kg	U	1
Benzo(a)anthracene	49.6	381	ug/kg	J	1
Benzo(a)pyrene	48.4	381	ug/kg	J	1
Benzo(b)fluoranthene	127	381	ug/kg	J	1
Benzo(g,h,i)perylene	BQL	381	ug/kg	U	1
Benzo(k)fluoranthene	BQL	381	ug/kg	U	1
Benzyl Butyl Phthalate	BQL	381	ug/kg	U	1
Carbazole	BQL	381	ug/kg	U	1
Chrysene	107	381	ug/kg	J	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AA0451
GPL ID: 9154-019-05-1
Matrix: Soil
Date Collected: Sep-25-2000
Date Received: Sep-26-2000

Prep Method: SW3550
Prep Date: Sep-28-2000
Prep Time: 08:43
Prep Chemist: Shila Soleimani

Analytical Method: SW8270CTCL
Date Analyzed: Oct-13-2000
Time Analyzed 13:28
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	381	ug/kg	U	1
Dibenzofuran	BQL	381	ug/kg	U	1
Diethyl Phthalate	BQL	381	ug/kg	U	1
Dimethyl Phthalate	BQL	381	ug/kg	U	1
Fluoranthene	BQL	381	ug/kg	U	1
Fluorene	BQL	381	ug/kg	U	1
Hexachlorobenzene	BQL	381	ug/kg	U	1
Hexachlorobutadiene	BQL	381	ug/kg	U	1
Hexachlorocyclopentadiene	BQL	381	ug/kg	U	1
Hexachloroethane	BQL	381	ug/kg	U	1
Indeno(1,2,3-c,d)Pyrene	BQL	381	ug/kg	U	1
Isophorone	BQL	381	ug/kg	U	1
Naphthalene	BQL	381	ug/kg	U	1
Nitrobenzene	BQL	381	ug/kg	U	1
Pentachlorophenol	BQL	763	ug/kg	U	1
Phenanthrene	63.3	381	ug/kg	J	1
Phenol	BQL	381	ug/kg	U	1
Pyrene	BQL	381	ug/kg	U	1
bis(2-chloroethoxy) methane	BQL	381	ug/kg	U	1
bis(2-chloroethyl) ether	BQL	381	ug/kg	U	1
bis(2-ethylhexyl) phthalate	BQL	381	ug/kg	U	1
di-n-Butyl Phthalate	BQL	381	ug/kg	U	1
di-n-Octyl Phthalate	BQL	381	ug/kg	U	1
n-Nitrosodi-n-Propylamine	BQL	381	ug/kg	U	1
n-Nitrosodiphenylamine	BQL	381	ug/kg	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AA0453
GPL ID: 9154-020-05-1
Matrix: Soil
Date Collected: Sep-25-2000
Date Received: Sep-26-2000

Prep Method: SW3550
Prep Date: Sep-28-2000
Prep Time: 08:43
Prep Chemist: Shila Soleimani

Analytical Method: SW8270CTCL
Date Analyzed: Oct-13-2000
Time Analyzed 11:39
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	459	ug/kg	U	1
1,2-Dichlorobenzene	BQL	459	ug/kg	U	1
1,3-Dichlorobenzene	BQL	459	ug/kg	U	1
1,4-Dichlorobenzene	BQL	459	ug/kg	U	1
2,2-Oxybis(1-Chloro)Propane	BQL	459	ug/kg	U	1
2,4,5-Trichlorophenol	BQL	459	ug/kg	U	1
2,4,6-Trichlorophenol	BQL	459	ug/kg	U	1
2,4-Dichlorophenol	BQL	459	ug/kg	U	1
2,4-Dimethylphenol	BQL	459	ug/kg	U	1
2,4-Dinitrophenol	BQL	917	ug/kg	U	1
2,4-Dinitrotoluene	BQL	459	ug/kg	U	1
2,6-Dinitrotoluene	BQL	459	ug/kg	U	1
2-Chloronaphthalene	BQL	459	ug/kg	U	1
2-Chlorophenol	BQL	459	ug/kg	U	1
2-Methylnaphthalene	BQL	459	ug/kg	U	1
2-Nitroaniline	BQL	459	ug/kg	U	1
2-Nitrophenol	BQL	459	ug/kg	U	1
2-methylphenol	BQL	459	ug/kg	U	1
3,3-Dichlorobenzidine	BQL	917	ug/kg	U	1
3-Nitroaniline	BQL	459	ug/kg	U	1
4,6-dinitro-2-methyl phenol	BQL	917	ug/kg	U	1
4-Bromophenyl-phenylether	BQL	459	ug/kg	U	1
4-Chloroaniline	BQL	459	ug/kg	U	1
4-Chlorophenyl Phenyl Ether	BQL	459	ug/kg	U	1
4-Nitroaniline	BQL	459	ug/kg	U	1
4-Nitrophenol	BQL	917	ug/kg	U	1
4-chloro-3-methylphenol	BQL	459	ug/kg	U	1
4-methylphenol	BQL	459	ug/kg	U	1
Acenaphthene	BQL	459	ug/kg	U	1
Acenaphthylene	BQL	459	ug/kg	U	1
Anthracene	BQL	459	ug/kg	U	1
Benzo(a)anthracene	117	459	ug/kg	J	1
Benzo(a)pyrene	107	459	ug/kg	J	1
Benzo(b)fluoranthene	162	459	ug/kg	J	1
Benzo(g,h,i)perylene	BQL	459	ug/kg	U	1
Benzo(k)fluoranthene	BQL	459	ug/kg	U	1
Benzyl Butyl Phthalate	BQL	459	ug/kg	U	1
Carbazole	BQL	459	ug/kg	U	1
Chrysene	109	459	ug/kg	J	1

Summary of Analytical Results

Client ID AA0453
GPL ID: 9154-020-05-1
Matrix: Soil
Date Collected: Sep-25-2000
Date Received: Sep-26-2000

Prep Method: SW3550
Prep Date: Sep-28-2000
Prep Time: 08:43
Prep Chemist: Shila Soleimani

Analytical Method: SW8270CTCL
Date Analyzed: Oct-13-2000
Time Analyzed 11:39
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	459	ug/kg	U	1
Dibenzofuran	BQL	459	ug/kg	U	1
Diethyl Phthalate	BQL	459	ug/kg	U	1
Dimethyl Phthalate	BQL	459	ug/kg	U	1
Fluoranthene	176	459	ug/kg	J	1
Fluorene	BQL	459	ug/kg	U	1
Hexachlorobenzene	BQL	459	ug/kg	U	1
Hexachlorobutadiene	BQL	459	ug/kg	U	1
Hexachlorocyclopentadiene	BQL	459	ug/kg	U	1
Hexachloroethane	BQL	459	ug/kg	U	1
Indeno(1,2,3-c,d)Pyrene	BQL	459	ug/kg	U	1
Isophorone	BQL	459	ug/kg	U	1
Naphthalene	BQL	459	ug/kg	U	1
Nitrobenzene	BQL	459	ug/kg	U	1
Pentachlorophenol	BQL	917	ug/kg	U	1
Phenanthrene	80.7	459	ug/kg	J	1
Phenol	BQL	459	ug/kg	U	1
Pyrene	153	459	ug/kg	J	1
bis(2-chloroethoxy) methane	BQL	459	ug/kg	U	1
bis(2-chloroethyl) ether	BQL	459	ug/kg	U	1
bis(2-ethylhexyl) phthalate	BQL	459	ug/kg	U	1
di-n-Butyl Phthalate	72.9	459	ug/kg	J	1
di-n-Octyl Phthalate	BQL	459	ug/kg	U	1
n-Nitrosodi-n-Propylamine	BQL	459	ug/kg	U	1
n-Nitrosodiphenylamine	BQL	459	ug/kg	U	1

2D
SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBROOK

Lab Code: GPL Case No.: N/A SAS No.: N/A SDG No.: N/A

Level: (low/med) LOW

	Client SAMPLE NO.	S1 (2FP) #	S2 (PHL) #	S3 (NBZ) #	S4 (FBP) #	S5 (TBP) #	S6 (TPH) #	TOT OUT
01	SBLKA	67	69	73	78	104	90	0
02	LCSA	74	74	80	87	119	93	0
03	AA0428	65	68	70	76	110	76	0
04	AA0429	63	65	67	70	107	72	0
05	AA0433	52	58	57	67	108	77	0
06	AA0427	59	63	63	70	111	76	0
07	AA0431	60	64	66	73	106	74	0
08	AA0432	57	63	62	66	106	75	0
09	AA0434	63	68	68	74	118	79	0
10	AA0445	61	63	65	69	104	78	0
11	AA0453	51 *	56	58	66	80	85	1
12	AA0446	58	61	60	66	102	73	0
13	AA0449	61	64	64	71	96	81	0
14	AA0451	58	62	62	68	93	76	0
15	AA0448	59	61	60	67	97	83	0
16	AA0435	57	62	59	65	93	76	0
17	AA0447	59	64	64	67	103	74	0
18	AA0450DL	52 1*	38 1*	52 1*	33 1*	43 1*	60 1*	0 ~~6~~
19	AA0426DL	D *	D *	D *	D *	D *	D *	6
20	AA0426DL2	D *	D *	D *	D *	D *	D *	6
21	AA0450DL2	D *	D *	D *	D *	D *	D *	6
22	AA0426DLMS	D *	D *	D *	D *	D *	D *	6
23	AA0426DLMSD	D *	D *	D *	D *	D *	D *	6

MN 10.1.00

				QC LIMITS
S1	(2FP)	=	2-Fluorophenol	(52-150)
S2	(PHL)	=	Phenol-d5	(20-150)
S3	(NBZ)	=	Nitrobenzene-d5	(26-150)
S4	(FBP)	=	2-Fluorobiphenyl	(41-128)
S5	(TBP)	=	2,4,6-Tribromophenol	(20-150)
S6	(TPH)	=	Terphenyl-d14	(52-110)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogate diluted out

3F

SOIL LABORATORY CONTROL SPIKE RECOVERY

Lab Name: GPL_LABORATORIES

Contract: IT_PLUMBROOK

Lab Code: GPL

SDG No.: N/A

EPA Sample No.: LCSA

CLIENT ID: SBLK-7021MS

DATE EXTRACTED: 9/28/00

WORK ORDER NO: 00-09-154

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	INTERNAL QC LIMITS
Phenol	3300	2800	85	47-111
2-Chlorophenol	3300	2700	82	52-124
1,4-Dichlorobenzene	3300	2700	82	52-112
N-Nitroso-Di-n-Propylamine	3300	2300	70	70-150
1,2,4-Trichlorobenzene	3300	2900	88	63-112
4-Chloro-3-methylphenol	3300	3100	94	63-125
Acenaphthene	3300	2500	76	45-104
2,4-Dinitrotoluene	3300	2900	88	56-133
4-Nitrophenol	3300	3200	97	44-150
Pentachlorophenol	3300	3400	103	27-142
Pyrene	3300	2800	85	56-106

*Values outside internal limits

COMMENTS:

FORM III BNA-LCS

8270C

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLKA

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBRO

Lab Code: GPL Case No.: N/A SAS No.: N/A SDG No.: N/A

Lab File ID: P09186.D Lab Sample ID: SBLK-7021

Instrument ID: HP#P Date Extracted: 09/28/00

Matrix: (soil/water) SOIL Date Analyzed: 10/12/00

Level: (low/med) LOW Time Analyzed: 11:39

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	Client SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	LCSA	SBLK-7021MS	P09187.D	10/12/00
02	AA0428	9154-005-05-1	P09191.D	10/12/00
03	AA0429	9154-006-05-1	P09192.D	10/12/00
04	AA0433	9154-009-05-1	P09193.D	10/12/00
05	AA0427	9154-004-05-1	P09194.D	10/12/00
06	AA0431	9154-007-05-1	P09195.D	10/12/00
07	AA0432	9154-008-05-1	P09196.D	10/12/00
08	AA0434	9154-010-04-1	P09197.D	10/12/00
09	AA0445	9154-013-05-1	P09198.D	10/12/00
10	AA0453	9154-020-05-1	P09208.D	10/13/00
11	AA0446	9154-014-05-1	P09209.D	10/13/00
12	AA0449	9154-017-05-1	P09210.D	10/13/00
13	AA0451	9154-019-05-1	P09211.D	10/13/00
14	AA0448	9154-016-05-1	P09212.D	10/13/00
15	AA0435	9154-011-04-1	P09213.D	10/13/00
16	AA0447	9154-015-05-1	P09215.D	10/13/00
17	AA0450DL	9154-018-05-1DL	P09216.D	10/13/00
18	AA0426DL	9154-001-05-1DL	P09217.D	10/13/00
19	AA0426DL2	9154-001-05-1DL2	P09218.D	10/13/00
20	AA0450DL2	9154-018-05-1DL2	P09219.D	10/13/00
21	AA0426DLMS	9154-001-05-1DLMS	P09223.D	10/13/00
22	AA0426DLMSD	9154-001-05-1DLMSD	P09224.D	10/13/00

COMMENTS:

0 2005

Summary of Analytical Results

Client ID AA0426
GPL ID: 9154-001-05-1
Matrix: Soil
Date Collected: Sep-25-2000
Date Received: Sep-26-2000

Prep Method: EXT_SW8330
Prep Date: Sep-28-2000
Prep Time: 08:39
Prep Chemist: Shila Soleimani

Analytical Method: SW8330
Date Analyzed: Oct-12-2000
Time Analyzed 14:26
Analyst: Shukla Sarker

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
2,4,6-Trinitrotoluene	259000	100	ug/kg	D	200
2,4-Dinitrotoluene	2708000	100	ug/kg	D	200

Summary of Analytical Results

Client ID AA0426
GPL ID: 9154-001-05-1
Matrix: Soil
Date Collected: Sep-25-2000
Date Received: Sep-26-2000

Prep Method: EXT_SW8330
Prep Date: Sep-28-2000
Prep Time: 08:39
Prep Chemist: Shila Soleimani

Analytical Method: SW8330
Date Analyzed: Oct-11-2000
Time Analyzed 18:44
Analyst: Shukla Sarker

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	621	100	ug/kg		1
1,3-Dinitrobenzene	BQL	100	ug/kg	U	1
2,6-Dinitrotoluene	BQL	100	ug/kg	U	1
2-Amino-4,6-Dinitrotoluene	BQL	100	ug/kg	U	1
4-Amino-2,6-Dinitrotoluene	BQL	100	ug/kg	U	1
HMX	BQL	200	ug/kg	U	1
Nitrobenzene	205	100	ug/kg		1
RDX	BQL	200	ug/kg	U	1
Tetryl	BQL	200	ug/kg	U	1
m-Nitrotoluene	410	200	ug/kg		1
o-Nitrotoluene	BQL	200	ug/kg	U	1
p-Nitrotoluene	455	200	ug/kg		1

Summary of Analytical Results

Client ID AA0427
GPL ID: 9154-004-05-1
Matrix: Soil
Date Collected: Sep-25-2000
Date Received: Sep-26-2000

Prep Method: EXT_SW8330
Prep Date: Sep-28-2000
Prep Time: 08:39
Prep Chemist: Shila Soleimani

Analytical Method: SW8330
Date Analyzed: Oct-11-2000
Time Analyzed 20:39
Analyst: Shukla Sarker

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	BQL	95.2	ug/kg	U	1
1,3-Dinitrobenzene	BQL	95.2	ug/kg	U	1
2,4;6-Trinitrotoluene	806	95.2	ug/kg		1
2,4-Dinitrotoluene	1460	95.2	ug/kg		1
2,6-Dinitrotoluene	BQL	95.2	ug/kg	U	1
2-Amino-4,6-Dinitrotoluene	BQL	95.2	ug/kg	U	1
4-Amino-2,6-Dinitrotoluene	132	95.2	ug/kg		1
HMX	BQL	190	ug/kg	U	1
Nitrobenzene	BQL	95.2	ug/kg	U	1
RDX	BQL	190	ug/kg	U	1
Tetryl	BQL	190	ug/kg	U	1
m-Nitrotoluene	BQL	190	ug/kg	U	1
o-Nitrotoluene	BQL	190	ug/kg	U	1
p-Nitrotoluene	BQL	190	ug/kg	U	1

Summary of Analytical Results

Client ID AA0428
GPL ID: 9154-005-05-1
Matrix: Soil
Date Collected: Sep-25-2000
Date Received: Sep-26-2000

Prep Method: EXT_SW8330
Prep Date: Sep-28-2000
Prep Time: 08:39
Prep Chemist: Shila Soleimani

Analytical Method: SW8330
Date Analyzed: Oct-11-2000
Time Analyzed 21:07
Analyst: Shukla Sarker

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	66.5	95.2	ug/kg	J	1
1,3-Dinitrobenzene	BQL	95.2	ug/kg	U	1
2,4,6-Trinitrotoluene	896	95.2	ug/kg		1
2,4-Dinitrotoluene	534	95.2	ug/kg		1
2,6-Dinitrotoluene	BQL	95.2	ug/kg	U	1
2-Amino-4,6-Dinitrotoluene	3530	95.2	ug/kg		1
4-Amino-2,6-Dinitrotoluene	1870	95.2	ug/kg		1
HMX	BQL	190	ug/kg	U	1
Nitrobenzene	BQL	95.2	ug/kg	U	1
RDX	BQL	190	ug/kg	U	1
Tetryl	BQL	190	ug/kg	U	1
m-Nitrotoluene	160	190	ug/kg	J	1
o-Nitrotoluene	BQL	190	ug/kg	U	1
p-Nitrotoluene	BQL	190	ug/kg	U	1

Summary of Analytical Results

Client ID AA0429
GPL ID: 9154-006-05-1
Matrix: Soil
Date Collected: Sep-25-2000
Date Received: Sep-26-2000

Prep Method: EXT_SW8330
Prep Date: Sep-28-2000
Prep Time: 08:39
Prep Chemist: Shila Soleimani

Analytical Method: SW8330
Date Analyzed: Oct-11-2000
Time Analyzed 21:36
Analyst: Shukla Sarker

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	90.7	100	ug/kg	J	1
1,3-Dinitrobenzene	BQL	100	ug/kg	U	1
2,4,6-Trinitrotoluene	2270	100	ug/kg		1
2,4-Dinitrotoluene	651	100	ug/kg		1
2,6-Dinitrotoluene	BQL	100	ug/kg	U	1
2-Amino-4,6-Dinitrotoluene	2960	100	ug/kg		1
4-Amino-2,6-Dinitrotoluene	1500	100	ug/kg		1
HMX	BQL	200	ug/kg	U	1
Nitrobenzene	BQL	100	ug/kg	U	1
RDX	BQL	200	ug/kg	U	1
Tetryl	BQL	200	ug/kg	U	1
m-Nitrotoluene	BQL	200	ug/kg	U	1
o-Nitrotoluene	BQL	200	ug/kg	U	1
p-Nitrotoluene	BQL	200	ug/kg	U	1

Summary of Analytical Results

Client ID AA0431
GPL ID: 9154-007-05-1
Matrix: Soil
Date Collected: Sep-25-2000
Date Received: Sep-26-2000

Prep Method: EXT_SW8330
Prep Date: Sep-28-2000
Prep Time: 08:39
Prep Chemist: Shila Soleimani

Analytical Method: SW8330
Date Analyzed: Oct-11-2000
Time Analyzed 22:04
Analyst: Shukla Sarker

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	BQL	90.9	ug/kg	U	1
1,3-Dinitrobenzene	BQL	90.9	ug/kg	U	1
2,4,6-Trinitrotoluene	245	90.9	ug/kg		1
2,4-Dinitrotoluene	349	90.9	ug/kg		1
2,6-Dinitrotoluene	BQL	90.9	ug/kg	U	1
2-Amino-4,6-Dinitrotoluene	501	90.9	ug/kg		1
4-Amino-2,6-Dinitrotoluene	409	90.9	ug/kg		1
HMX	BQL	182	ug/kg	U	1
Nitrobenzene	BQL	90.9	ug/kg	U	1
RDX	BQL	182	ug/kg	U	1
Tetryl	BQL	182	ug/kg	U	1
m-Nitrotoluene	BQL	182	ug/kg	U	1
o-Nitrotoluene	BQL	182	ug/kg	U	1
p-Nitrotoluene	BQL	182	ug/kg	U	1

Summary of Analytical Results

Client ID AA0432
GPL ID: 9154-008-05-1
Matrix: Soil
Date Collected: Sep-25-2000
Date Received: Sep-26-2000

Prep Method: EXT_SW8330
Prep Date: Sep-28-2000
Prep Time: 08:39
Prep Chemist: Shila Soleimani

Analytical Method: SW8330
Date Analyzed: Oct-11-2000
Time Analyzed 23:30
Analyst: Shukla Sarker

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	902	100	ug/kg		1
1,3-Dinitrobenzene	BQL	100	ug/kg	U	1
2,4,6-Trinitrotoluene	7210	100	ug/kg		1
2,4-Dinitrotoluene	40800	100	ug/kg		1
2,6-Dinitrotoluene	BQL	100	ug/kg	U	1
2-Amino-4,6-Dinitrotoluene	BQL	100	ug/kg	U	1
4-Amino-2,6-Dinitrotoluene	2430	100	ug/kg		1
HMX	BQL	200	ug/kg	U	1
Nitrobenzene	BQL	100	ug/kg	U	1
RDX	BQL	200	ug/kg	U	1
Tetryl	BQL	200	ug/kg	U	1
m-Nitrotoluene	199	200	ug/kg	J	1
o-Nitrotoluene	1050	200	ug/kg		1
p-Nitrotoluene	827	200	ug/kg		1

Summary of Analytical Results

Client ID AA0433
GPL ID: 9154-009-05-1
Matrix: Soil
Date Collected: Sep-25-2000
Date Received: Sep-26-2000

Prep Method: EXT_SW8330
Prep Date: Sep-28-2000
Prep Time: 08:39
Prep Chemist: Shila Soleimani

Analytical Method: SW8330
Date Analyzed: Oct-11-2000
Time Analyzed 23:58
Analyst: Shukla Sarker

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	BQL	100	ug/kg	U	1
1,3-Dinitrobenzene	BQL	100	ug/kg	U	1
2,4,6-Trinitrotoluene	1270	100	ug/kg		1
2,4-Dinitrotoluene	677	100	ug/kg		1
2,6-Dinitrotoluene	BQL	100	ug/kg	U	1
2-Amino-4,6-Dinitrotoluene	1040	100	ug/kg		1
4-Amino-2,6-Dinitrotoluene	329	100	ug/kg		1
HMX	BQL	200	ug/kg	U	1
Nitrobenzene	BQL	100	ug/kg	U	1
RDX	BQL	200	ug/kg	U	1
Tetryl	BQL	200	ug/kg	U	1
m-Nitrotoluene	BQL	200	ug/kg	U	1
o-Nitrotoluene	BQL	200	ug/kg	U	1
p-Nitrotoluene	BQL	200	ug/kg	U	1

Summary of Analytical Results

Client ID AA0434
GPL ID: 9154-010-04-1
Matrix: Soil
Date Collected: Sep-25-2000
Date Received: Sep-26-2000

Prep Method: EXT_SW8330
Prep Date: Sep-28-2000
Prep Time: 08:39
Prep Chemist: Shila Soleimani

Analytical Method: SW8330
Date Analyzed: Oct-12-2000
Time Analyzed 00:27
Analyst: Shukla Sarker

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	178	95.2	ug/kg		1
1,3-Dinitrobenzene	BQL	95.2	ug/kg	U	1
2,4-Dinitrotoluene	BQL	95.2	ug/kg	U	1
2,6-Dinitrotoluene	BQL	95.2	ug/kg	U	1
2-Amino-4,6-Dinitrotoluene	9590	95.2	ug/kg		1
4-Amino-2,6-Dinitrotoluene	5840	95.2	ug/kg		1
HMX	BQL	190	ug/kg	U	1
Nitrobenzene	BQL	95.2	ug/kg	U	1
RDX	BQL	190	ug/kg	U	1
Tetryl	BQL	190	ug/kg	U	1
m-Nitrotoluene	BQL	190	ug/kg	U	1
o-Nitrotoluene	BQL	190	ug/kg	U	1
p-Nitrotoluene	BQL	190	ug/kg	U	1

Summary of Analytical Results

Client ID AA0434
GPL ID: 9154-010-04-1
Matrix: Soil
Date Collected: Sep-25-2000
Date Received: Sep-26-2000

Prep Method: EXT_SW8330
Prep Date: Sep-28-2000
Prep Time: 08:39
Prep Chemist: Shila Soleimani

Analytical Method: SW8330
Date Analyzed: Oct-13-2000
Time Analyzed 17:06
Analyst: Shukla Sarker

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
2,4,6-Trinitrotoluene	163000	95.2	ug/kg	D	100

Summary of Analytical Results

Client ID AA0435
GPL ID: 9154-011-04-1
Matrix: Soil
Date Collected: Sep-25-2000
Date Received: Sep-26-2000

Prep Method: EXT_SW8330
Prep Date: Sep-28-2000
Prep Time: 08:39
Prep Chemist: Shila Soleimani

Analytical Method: SW8330
Date Analyzed: Oct-12-2000
Time Analyzed 00:55
Analyst: Shukla Sarker

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	568	100	ug/kg		1
1,3-Dinitrobenzene	BQL	100	ug/kg	U	1
2,4-Dinitrotoluene	BQL	100	ug/kg	U	1
2,6-Dinitrotoluene	BQL	100	ug/kg	U	1
2-Amino-4,6-Dinitrotoluene	8870	100	ug/kg		1
4-Amino-2,6-Dinitrotoluene	6110	100	ug/kg		1
HMX	BQL	200	ug/kg	U	1
Nitrobenzene	BQL	100	ug/kg	U	1
RDX	BQL	200	ug/kg	U	1
Tetryl	BQL	200	ug/kg	U	1
m-Nitrotoluene	BQL	200	ug/kg	U	1
o-Nitrotoluene	BQL	200	ug/kg	U	1
p-Nitrotoluene	BQL	200	ug/kg	U	1

Summary of Analytical Results

Client ID AA0435
GPL ID: 9154-011-04-1
Matrix: Soil
Date Collected: Sep-25-2000
Date Received: Sep-26-2000

Prep Method: EXT_SW8330
Prep Date: Sep-28-2000
Prep Time: 08:39
Prep Chemist: Shila Soleimani

Analytical Method: SW8330
Date Analyzed: Oct-13-2000
Time Analyzed 18:03
Analyst: Shukla Sarker

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
2,4,6-Trinitrotoluene	140000	100	ug/kg	D	100

Summary of Analytical Results

Client ID AA0445
GPL ID: 9154-013-05-1
Matrix: Soil
Date Collected: Sep-25-2000
Date Received: Sep-26-2000

Prep Method: EXT_SW8330
Prep Date: Sep-28-2000
Prep Time: 08:39
Prep Chemist: Shila Soleimani

Analytical Method: SW8330
Date Analyzed: Oct-12-2000
Time Analyzed 01:24
Analyst: Shukla Sarker

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	BQL	95.2	ug/kg	U	1
1,3-Dinitrobenzene	BQL	95.2	ug/kg	U	1
2,4,6-Trinitrotoluene	3990	95.2	ug/kg		1
2,4-Dinitrotoluene	BQL	95.2	ug/kg	U	1
2,6-Dinitrotoluene	BQL	95.2	ug/kg	U	1
2-Amino-4,6-Dinitrotoluene	1240	95.2	ug/kg		1
4-Amino-2,6-Dinitrotoluene	1780	95.2	ug/kg		1
HMX	BQL	190	ug/kg	U	1
Nitrobenzene	BQL	95.2	ug/kg	U	1
RDX	BQL	190	ug/kg	U	1
Tetryl	BQL	190	ug/kg	U	1
m-Nitrotoluene	BQL	190	ug/kg	U	1
o-Nitrotoluene	BQL	190	ug/kg	U	1
p-Nitrotoluene	BQL	190	ug/kg	U	1

Summary of Analytical Results

Client ID AA0446
GPL ID: 9154-014-05-1
Matrix: Soil
Date Collected: Sep-25-2000
Date Received: Sep-26-2000

Prep Method: EXT_SW8330
Prep Date: Sep-28-2000
Prep Time: 08:39
Prep Chemist: Shila Soleimani

Analytical Method: SW8330
Date Analyzed: Oct-12-2000
Time Analyzed 01:53
Analyst: Shukla Sarker

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	BQL	100	ug/kg	U	1
1,3-Dinitrobenzene	BQL	100	ug/kg	U	1
2,4,6-Trinitrotoluene	BQL	100	ug/kg	U	1
2,4-Dinitrotoluene	188	100	ug/kg		1
2,6-Dinitrotoluene	BQL	100	ug/kg	U	1
2-Amino-4,6-Dinitrotoluene	BQL	100	ug/kg	U	1
4-Amino-2,6-Dinitrotoluene	BQL	100	ug/kg	U	1
HMX	BQL	200	ug/kg	U	1
Nitrobenzene	BQL	100	ug/kg	U	1
RDX	BQL	200	ug/kg	U	1
Tetryl	BQL	200	ug/kg	U	1
m-Nitrotoluene	BQL	200	ug/kg	U	1
o-Nitrotoluene	BQL	200	ug/kg	U	1
p-Nitrotoluene	BQL	200	ug/kg	U	1

Summary of Analytical Results

Client ID AA0447
GPL ID: 9154-015-05-1
Matrix: Soil
Date Collected: Sep-25-2000
Date Received: Sep-26-2000

Prep Method: EXT_SW8330
Prep Date: Sep-28-2000
Prep Time: 08:39
Prep Chemist: Shila Soleimani

Analytical Method: SW8330
Date Analyzed: Oct-12-2000
Time Analyzed 02:50
Analyst: Shukla Sarker

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	BQL	100	ug/kg	U	1
1,3-Dinitrobenzene	BQL	100	ug/kg	U	1
2,4-Dinitrotoluene	BQL	100	ug/kg	U	1
2,6-Dinitrotoluene	BQL	100	ug/kg	U	1
2-Amino-4,6-Dinitrotoluene	467	100	ug/kg		1
4-Amino-2,6-Dinitrotoluene	358	100	ug/kg		1
HMX	BQL	200	ug/kg	U	1
Nitrobenzene	71.3	100	ug/kg	J	1
RDX	BQL	200	ug/kg	U	1
Tetryl	BQL	200	ug/kg	U	1
m-Nitrotoluene	BQL	200	ug/kg	U	1
o-Nitrotoluene	BQL	200	ug/kg	U	1
p-Nitrotoluene	BQL	200	ug/kg	U	1

Summary of Analytical Results

Client ID AA0447
GPL ID: 9154-015-05-1
Matrix: Soil
Date Collected: Sep-25-2000
Date Received: Sep-26-2000

Prep Method: EXT_SW8330
Prep Date: Sep-28-2000
Prep Time: 08:39
Prep Chemist: Shila Soleimani

Analytical Method: SW8330
Date Analyzed: Oct-16-2000
Time Analyzed 17:05
Analyst: Shukla Sarker

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
2,4,6-Trinitrotoluene	62800	100	ug/kg	D	10

Summary of Analytical Results

Client ID AA0448
GPL ID: 9154-016-05-1
Matrix: Soil
Date Collected: Sep-25-2000
Date Received: Sep-26-2000

Prep Method: EXT_SW8330
Prep Date: Sep-28-2000
Prep Time: 08:39
Prep Chemist: Shila Soleimani

Analytical Method: SW8330
Date Analyzed: Oct-12-2000
Time Analyzed 03:18
Analyst: Shukla Sarker

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	BQL	100	ug/kg	U	1
1,3-Dinitrobenzene	BQL	100	ug/kg	U	1
2,4,6-Trinitrotoluene	720	100	ug/kg		1
2,4-Dinitrotoluene	114	100	ug/kg		1
2,6-Dinitrotoluene	BQL	100	ug/kg	U	1
2-Amino-4,6-Dinitrotoluene	878	100	ug/kg		1
4-Amino-2,6-Dinitrotoluene	599	100	ug/kg		1
HMX	BQL	200	ug/kg	U	1
Nitrobenzene	BQL	100	ug/kg	U	1
RDX	BQL	200	ug/kg	U	1
Tetryl	BQL	200	ug/kg	U	1
m-Nitrotoluene	BQL	200	ug/kg	U	1
o-Nitrotoluene	BQL	200	ug/kg	U	1
p-Nitrotoluene	BQL	200	ug/kg	U	1

Summary of Analytical Results

Client ID AA0449
GPL ID: 9154-017-05-1
Matrix: Soil
Date Collected: Sep-25-2000
Date Received: Sep-26-2000

Prep Method: EXT_SW8330
Prep Date: Sep-28-2000
Prep Time: 08:39
Prep Chemist: Shila Soleimani

Analytical Method: SW8330
Date Analyzed: Oct-12-2000
Time Analyzed 05:12
Analyst: Shukla Sarker

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	BQL	90.9	ug/kg	U	1
1,3-Dinitrobenzene	BQL	90.9	ug/kg	U	1
2,4,6-Trinitrotoluene	BQL	90.9	ug/kg	U	1
2,4-Dinitrotoluene	411	90.9	ug/kg		1
2,6-Dinitrotoluene	BQL	90.9	ug/kg	U	1
2-Amino-4,6-Dinitrotoluene	BQL	90.9	ug/kg	U	1
4-Amino-2,6-Dinitrotoluene	BQL	90.9	ug/kg	U	1
HMX	BQL	182	ug/kg	U	1
Nitrobenzene	BQL	90.9	ug/kg	U	1
RDX	BQL	182	ug/kg	U	1
Tetryl	BQL	182	ug/kg	U	1
m-Nitrotoluene	BQL	182	ug/kg	U	1
o-Nitrotoluene	BQL	182	ug/kg	U	1
p-Nitrotoluene	BQL	182	ug/kg	U	1

Summary of Analytical Results

Client ID AA0450
GPL ID: 9154-018-05-1
Matrix: Soil
Date Collected: Sep-25-2000
Date Received: Sep-26-2000

Prep Method: EXT_SW8330
Prep Date: Sep-28-2000
Prep Time: 08:39
Prep Chemist: Shila Soleimani

Analytical Method: SW8330
Date Analyzed: Oct-12-2000
Time Analyzed 05:41
Analyst: Shukla Sarker

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	BQL	100	ug/kg	U	1
1,3-Dinitrobenzene	BQL	100	ug/kg	U	1
2,4,6-Trinitrotoluene	BQL	100	ug/kg	U	1
2,6-Dinitrotoluene	BQL	100	ug/kg	U	1
2-Amino-4,6-Dinitrotoluene	BQL	100	ug/kg	U	1
4-Amino-2,6-Dinitrotoluene	BQL	100	ug/kg	U	1
HMX	BQL	200	ug/kg	U	1
Nitrobenzene	BQL	100	ug/kg	U	1
RDX	BQL	200	ug/kg	U	1
Tetryl	BQL	200	ug/kg	U	1
m-Nitrotoluene	BQL	200	ug/kg	U	1
o-Nitrotoluene	BQL	200	ug/kg	U	1
p-Nitrotoluene	BQL	200	ug/kg	U	1

Summary of Analytical Results

Client ID AA0450
GPL ID: 9154-018-05-1
Matrix: Soil
Date Collected: Sep-25-2000
Date Received: Sep-26-2000

Prep Method: EXT_SW8330
Prep Date: Sep-28-2000
Prep Time: 08:39
Prep Chemist: Shila Soleimani

Analytical Method: SW8330
Date Analyzed: Oct-13-2000
Time Analyzed 19:01
Analyst: Shukla Sarker

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
2,4-Dinitrotoluene	199000	100	ug/kg	D	100

Summary of Analytical Results

Client ID AA0451
GPL ID: 9154-019-05-1
Matrix: Soil
Date Collected: Sep-25-2000
Date Received: Sep-26-2000

Prep Method: EXT_SW8330
Prep Date: Sep-28-2000
Prep Time: 08:39
Prep Chemist: Shila Soleimani

Analytical Method: SW8330
Date Analyzed: Oct-12-2000
Time Analyzed 06:09
Analyst: Shukla Sarker

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	BQL	100	ug/kg	U	1
1,3-Dinitrobenzene	BQL	100	ug/kg	U	1
2,4,6-Trinitrotoluene	11500	100	ug/kg		1
2,4-Dinitrotoluene	7360	100	ug/kg		1
2,6-Dinitrotoluene	BQL	100	ug/kg	U	1
2-Amino-4,6-Dinitrotoluene	4830	100	ug/kg		1
4-Amino-2,6-Dinitrotoluene	4220	100	ug/kg		1
HMX	BQL	200	ug/kg	U	1
Nitrobenzene	BQL	100	ug/kg	U	1
RDX	BQL	200	ug/kg	U	1
Tetryl	BQL	200	ug/kg	U	1
m-Nitrotoluene	BQL	200	ug/kg	U	1
o-Nitrotoluene	374	200	ug/kg		1
p-Nitrotoluene	BQL	200	ug/kg	U	1

Summary of Analytical Results

Client ID AA0453
GPL ID: 9154-020-05-1
Matrix: Soil
Date Collected: Sep-25-2000
Date Received: Sep-26-2000

Prep Method: EXT_SW8330
Prep Date: Sep-28-2000
Prep Time: 08:39
Prep Chemist: Shila Soleimani

Analytical Method: SW8330
Date Analyzed: Oct-12-2000
Time Analyzed 06:38
Analyst: Shukla Sarker

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	BQL	95.2	ug/kg	U	1
1,3-Dinitrobenzene	BQL	95.2	ug/kg	U	1
2,4,6-Trinitrotoluene	BQL	95.2	ug/kg	U	1
2,4-Dinitrotoluene	BQL	95.2	ug/kg	U	1
2,6-Dinitrotoluene	BQL	95.2	ug/kg	U	1
2-Amino-4,6-Dinitrotoluene	BQL	95.2	ug/kg	U	1
4-Amino-2,6-Dinitrotoluene	BQL	95.2	ug/kg	U	1
HMX	BQL	190	ug/kg	U	1
Nitrobenzene	BQL	95.2	ug/kg	U	1
RDX	BQL	190	ug/kg	U	1
Tetryl	BQL	190	ug/kg	U	1
m-Nitrotoluene	BQL	190	ug/kg	U	1
o-Nitrotoluene	BQL	190	ug/kg	U	1
p-Nitrotoluene	BQL	190	ug/kg	U	1

2D
SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBROOK

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Level: (low/med) LOW

	Client SAMPLE NO.	S1 #	TOT OUT
01	NBLKA	84	0
02	NLCSA	94	0
03	AA0426	5*	1
04	AA0426 MS	*	1
05	AA0426 MSD	9*	1
06	AA0427	81	0
07	AA0428	82	0
08	AA0429	81	0
09	AA0431	92	0
10	AA0432	84	0
11	AA0433	84	0
12	AA0434	80	0
13	AA0435	77	0
14	AA0445	88	0
15	AA0446	84	0
16	AA0447	69	0
17	AA0448	85	0
18	AA0449	83	0
19	AA0450	100	0
20	AA0451	90	0
21	AA0453	84	0
22	AA0426 DIL	* D	1
23	AA0434 DIL	* D	1
24	AA0435 DIL	* D	1
25	AA0450 DIL	* D	1
26	AA0447 DIL	7* D	1

S1 = 4-NITROANILINE

QC LIMITS
(24-140)

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate diluted out

FORM II SV-2

3/90

3D

SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBROOK

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Matrix Spike - EPA Sample No.: AA0426 Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC LIMITS REC.
HMX	3000	0.0	2900	97	70 - 113
1,3,5-TRINITROBENZENE	3000	620	2600	63	20 - 150
TETRYL	3000	0.0	2600	87	20 - 103
2,4,6-TRINITROTOLUENE	1500	75000	140000	4133 *	46 - 150
4-AMINO-2,6-DINITROTOLU	1500	0.0	0.0	0 *	39 - 136
4-NITROTOLUENE	3000	460	6000	187 *	72 - 114
RDX	3000	0.0	4900	163 *	70 - 124
1,3-DINITROBENZENE	1500	0.0	1600	107	70 - 127
NITROBENZENE	1500	200	2100	127 *	70 - 120
2-AMINO-4,6-DINITROTOLU	1500	0.0	0.0	0 *	43 - 150
2,4-DINITROTOLUENE	3000	1100000	1100000	0 *	56 - 100
2-NITROTOLUENE	3000	0.0	3100	103	70 - 116
3-NITROTOLUENE	3000	410	3400	100	70 - 109

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
HMX	3000	2800	93	4	25	70 - 113
1,3,5-TRINITROBENZENE	3000	2300	57	16	25	20 - 150
TETRYL	3000	2500	83	5	25	20 - 103
2,4,6-TRINITROTOLUENE	1500	70000	0 *	200 *	25	46 - 150
4-AMINO-2,6-DINITROTOLU	1500	0.0	0 *	0	25	39 - 136
4-NITROTOLUENE	3000	3300	93	65 *	25	72 - 114
RDX	3000	3900	130 *	23	25	70 - 124
1,3-DINITROBENZENE	1500	1600	107	0	25	70 - 127
NITROBENZENE	1500	1700	100	24	25	70 - 120
2-AMINO-4,6-DINITROTOLU	1500	0.0	0 *	0	25	43 - 150
2,4-DINITROTOLUENE	3000	1100000	0 *	0	25	56 - 100
2-NITROTOLUENE	3000	2200	73	34 *	25	70 - 116

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 3 out of 13 outside limits

Spike Recovery: 12 out of 26 outside limits

COMMENTS:

3D

SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBROOK

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Matrix Spike - EPA Sample No.: AA0426 Level: (low/med) LOW

3-NITROTOLUENE	3000	3400	100	0	25	70 - 109

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 0 outside limits

Spike Recovery: 0 out of 0 outside limits

COMMENTS:

0 4005

3F

SOIL LABORATORY CONTROL SPIKE RECOVERY

Lab Name: GPL Laboratories Contract: IT_PLUMBROOK

Lab Code: GPLL Case No.: N/A SAS No. N/A SDG No. N/A

EPA Sample No.: NLCSA GP ID: NBLK-7020-MS

COMPOUND	SPIKE ADDED (ug/kg)	LCS CONCENTRATION (ug/kg)	LCS % REC	QC LIMITS
HMX	3000	2737	91	70-114
1,3,5-TNB	1500	1600	107	70-118
TETRYL	3000	2345	78	26-100
TNT	1500	1866	124	70-150
4-AMINO-2,6-DNT	1500	1627	108	60-112
4-NITROTOLUENE	3000	2980	99	70-119
RDX	3000	2950	98	70-118
1,3-DINITROBENZENE	1500	1530	102	70-118
NITROBENZENE	1500	1479	99	70-121
2-AMINO-4,6-DNT	1500	1641	109	69-146
2,4-DNT	3000	2558	85	64-100
2-NITROTOLUENE	3000	3058	102	70-122
3-NITROTOLUENE	3000	3036	101	70-111

* OUTSIDE QC LIMIT

COMMENTS:

FORM III 8330

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

NBLKA

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBRO

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Lab File ID: LCA2513.D Lab Sample ID: NBLK-7020

Instrument ID: LCA Date Extracted: 09/28/00

Matrix: (soil/water) SOIL Date Analyzed: 10/11/00

Level: (low/med) LOW Time Analyzed: 17:47

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	Client SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	NLCSA	NBLK-7020 MS	LCA2514.D	10/11/00
02	AA0426	9154-001	LCA2515.D	10/11/00
03	AA0426 MS	9154-001 MS	LCA2516.D	10/11/00
04	AA0426 MSD	9154-001 MSD	LCA2517.D	10/11/00
05	AA0427	9154-004	LCA2519.D	10/11/00
06	AA0428	9154-005	LCA2520.D	10/11/00
07	AA0429	9154-006	LCA2521.D	10/11/00
08	AA0431	9154-007	LCA2522.D	10/11/00
09	AA0432	9154-008	LCA2525.D	10/11/00
10	AA0433	9154-009	LCA2526.D	10/11/00
11	AA0434	9154-010	LCA2527.D	10/12/00
12	AA0435	9154-011	LCA2528.D	10/12/00
13	AA0445	9154-013	LCA2529.D	10/12/00
14	AA0446	9154-014	LCA2530.D	10/12/00
15	AA0447	9154-015	LCA2532.D	10/12/00
16	AA0448	9154-016	LCA2533.D	10/12/00
17	AA0449	9154-017	LCA2537.D	10/12/00
18	AA0450	9154-018	LCA2538.D	10/12/00
19	AA0451	9154-019	LCA2539.D	10/12/00
20	AA0453	9154-020	LCA2540.D	10/12/00
21	AA0426 DIL	9154-001 200X	LCA2546.D	10/12/00
22	AA0434 DIL	9154-010 100X	LCA2557.D	10/13/00
23	AA0435 DIL	9154-011 100X	LCA2559.D	10/13/00
24	AA0450 DIL	9154-018 100X	LCA2561.D	10/13/00
25	AA0447 DIL	9154-015 10X	LCA2663.D	10/16/00

COMMENTS:

0 4007

GPL LABORATORIES, LLLP

Qualifier Definitions

U = Indicates that the compound was analyzed for but not detected at or above the reporting limit

Organics:

B = Indicates that the analyte was found in the associated blank as well as in the sample

D = Indicates that the analyte was reported from a diluted analysis

E = Indicates that the concentration detected exceeded the calibration range of the instrument

J = Value is less than the reporting limits but greater than the MDL

P = Indicates that there is greater than 25% difference for detected pesticide/Aroclor results between the two GC columns

Metals:

B = Indicates that the reported value was less than the reporting limit but greater than or equal to the IDL/MDL

E = Indicates that reported value is estimated because of the possible presence of interference (i.e., the serial dilution not within control limits)

H = Indicates that the element was found in the associated blank as well as in the sample and the value is greater than or equal to the reporting limit

N = Spiked sample recovery not within control limits

• = Duplicate analysis not within control limits

IT CORPORATION
A Member of The IT Group

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 09252000-GPL

Project Number: 807112
Samples Shipment Date: 25 SEP 2000
Project Name: PLUM BROOK ORDNANCE WKS
ab Destination: GPL Labotatories
Sample Coordinator: Maureen McMyler
Lab Contact: Bill Lock
Turnaround Time:
Project Contact: Maureen McMyler
Carrier/Waybill No.: Fed Ex/8212 2620 3320

Bill To: Accounts Receivable
312 Directors Drive
Knoxville TN 37923

Report To: Maureen McMyler
312 Directors Drive
Knoxville TN 37923

Special Instructions:

Possible Hazard Indentification:
Non-hazard [ ] Flammable [ ] Skin Irritant [ ] Poison B [ ] Unknown [X]

1. Relinquished By (Signature/Affiliation) [signature] Date: 9/25/00 Time: 18:00
2. Relinquished By (Signature/Affiliation) Date: Time:
3. Relinquished By (Signature/Affiliation) Date: Time:

Sample Disposal:
Return to Client [ ] Disposal by Lab [X] Archive (mos.)

1. Received By (Signature/Affiliation) Date: Time:
2. Received By (Signature/Affiliation) Date: Time:
3. Received By (Signature/Affiliation) [signature] Date: 9/26/00 Time: 10:24 am

Comments: NO ACETATE TUBE (VOC ANALYSIS) WAS COLLECTED FOR AA0434 AND AA0435!

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
AA0426	PBOW-00-SO-TNTA-SO012-AA0426-(01-02)	25 SEP 2000	11:00	5 oz ENCORE	3	None except cool to 4 C	TCL Volatiles by SW-846 8260B	N		
AA0426	PBOW-00-SO-TNTA-SO012-AA0426-(01-02)	25 SEP 2000	11:00	8 oz CWM	1	None except cool to 4 C	PCBs by SW-846 8082, TCL Semivolatiles by SW-846 8270C	N		
AA0426	PBOW-00-SO-TNTA-SO012-AA0426-(01-02)	25 SEP 2000	11:00	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by SW-846 8330, TAL Metals by SW-846 6010B/7471A in soil	N		
AA0426-MS	PBOW-00-SO-TNTA-SO012-AA0426-MS-(01-02)	25 SEP 2000	11:00	5 oz ENCORE	3	None except cool to 4 C	TCL Volatiles by SW-846 8260B	N		
AA0426-MS	PBOW-00-SO-TNTA-SO012-AA0426-MS-(01-02)	25 SEP 2000	11:00	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by SW-846 8330, TAL Metals by SW-846 6010B/7471A in soil	N		
AA0426-MS	PBOW-00-SO-TNTA-SO012-AA0426-MS-(01-02)	25 SEP 2000	11:00	8 oz CWM	1	None except cool to 4 C	PCBs by SW-846 8082, TCL Semivolatiles by SW-846 8270C	N		

09/26/00 TUE 10:20 FAX 304 675 4375 I T CORPORATION

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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 09252000-GPL

Sample No	Sample Name	Sample Date	Sample Time	Container	Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
AA0426-MSD	PBOW-00-SO-TNTA-SO012-AA0426-MSD-(01-02)	25 SEP 2000	11:00	8 oz CWM	1 None except cool to 4 C	Nitroaromatics by SW-846 8330, TAL Metals by SW-846 6010B/7471A in soil	N		
AA0426-MSD	PBOW-00-SO-TNTA-SO012-AA0426-MSD-(01-02)	25 SEP 2000	11:00	5 oz ENCORE	3 None except cool to 4 C	TCL Volatiles by SW-846 8260B	N		
AA0426-MSD	PBOW-00-SO-TNTA-SO012-AA0426-MSD-(01-02)	25 SEP 2000	11:00	8 oz CWM	1 None except cool to 4 C	PCBs by SW-846 8082, TCL Semivolatiles by SW-846 8270C	N		
AA0427	PBOW-00-SO-TNTA-SO016-AA0427-(01-02)	25 SEP 2000	09:15	5 oz ENCORE	3 None except cool to 4 C	TCL Volatiles by SW-846 8260B	N		
AA0427	PBOW-00-SO-TNTA-SO016-AA0427-(01-02)	25 SEP 2000	09:15	8 oz CWM	1 None except cool to 4 C	Nitroaromatics by SW-846 8330, TAL Metals by SW-846 6010B/7471A in soil	N		
AA0427	PBOW-00-SO-TNTA-SO016-AA0427-(01-02)	25 SEP 2000	09:15	8 oz CWM	1 None except cool to 4 C	PCBs by SW-846 8082, TCL Semivolatiles by SW-846 8270C	N		
AA0428	PBOW-00-SO-TNTA-SO016-AA0428-(02-03)	25 SEP 2000	09:20	5 oz ENCORE	3 None except cool to 4 C	TCL Volatiles by SW-846 8260B	N		
AA0428	PBOW-00-SO-TNTA-SO016-AA0428-(02-03)	25 SEP 2000	09:20	8 oz CWM	1 None except cool to 4 C	PCBs by SW-846 8082, TCL Semivolatiles by SW-846 8270C	N		
AA0428	PBOW-00-SO-TNTA-SO016-AA0428-(02-03)	25 SEP 2000	09:20	8 oz CWM	1 None except cool to 4 C	Nitroaromatics by SW-846 8330, TAL Metals by SW-846 6010B/7471A in soil	N		
AA0429	PBOW-00-SO-TNTA-SO016-AA0429-(02-03)	25 SEP 2000	09:25	8 oz CWM	1 None except cool to 4 C	PCBs by SW-846 8082, TCL Semivolatiles by SW-846 8270C	N		
AA0429	PBOW-00-SO-TNTA-SO016-AA0429-(02-03)	25 SEP 2000	09:25	8 oz CWM	1 None except cool to 4 C	Nitroaromatics by SW-846 8330, TAL Metals by SW-846 6010B/7471A in soil	N		
AA0429	PBOW-00-SO-TNTA-SO016-AA0429-(02-03)	25 SEP 2000	09:25	5 oz ENCORE	3 None except cool to 4 C	TCL Volatiles by SW-846 8260B	N		
AA0431	PBOW-00-SO-TNTA-SO035-AA0431-(02-03)	25 SEP 2000	10:10	5 oz ENCORE	3 None except cool to 4 C	TCL Volatiles by SW-846 8260B	N		
AA0431	PBOW-00-SO-TNTA-SO035-AA0431-(02-03)	25 SEP 2000	10:10	8 oz CWM	1 None except cool to 4 C	PCBs by SW-846 8082, TCL Semivolatiles by SW-846 8270C	N		
AA0431	PBOW-00-SO-TNTA-SO035-AA0431-(02-03)	25 SEP 2000	10:10	8 oz CWM	1 None except cool to 4 C	Nitroaromatics by SW-846 8330, TAL Metals by SW-846 6010B/7471A in soil	N		
AA0432	PBOW-00-SO-TNTA-SO040-AA0432-(02-03)	25 SEP 2000	10:30	5 oz ENCORE	3 None except cool to 4 C	TCL Volatiles by SW-846 8260B	N		
AA0432	PBOW-00-SO-TNTA-SO040-AA0432-(02-03)	25 SEP 2000	10:30	8 oz CWM	1 None except cool to 4 C	PCBs by SW-846 8082, TCL Semivolatiles by SW-846 8270C	N		
AA0432	PBOW-00-SO-TNTA-SO040-AA0432-(02-03)	25 SEP 2000	10:30	8 oz CWM	1 None except cool to 4 C	Nitroaromatics by SW-846 8330, TAL Metals by SW-846 6010B/7471A in soil	N		
AA0433	PBOW-00-SO-TNTA-SO077-AA0433-(01-02)	25 SEP 2000	14:10	8 oz CWM	1 None except cool to 4 C	PCBs by SW-846 8082, TCL Semivolatiles by SW-846 8270C	N		
AA0433	PBOW-00-SO-TNTA-SO077-AA0433-(01-02)	25 SEP 2000	14:10	8 oz CWM	1 None except cool to 4 C	Nitroaromatics by SW-846 8330, TAL Metals by SW-846 6010B/7471A in soil	N		
AA0433	PBOW-00-SO-TNTA-SO077-AA0433-(01-02)	25 SEP 2000	14:10	5 oz ENCORE	3 None except cool to 4 C	TCL Volatiles by SW-846 8260B	N		
AA0434	PBOW-00-SO-TNTA-SO081-AA0434-(01-02)	25 SEP 2000	08:40	5 oz ENCORE	3 None except cool to 4 C	TCL Volatiles by SW-846 8260B	N		
AA0434	PBOW-00-SO-TNTA-SO081-AA0434-(01-02)	25 SEP 2000	08:40	8 oz CWM	1 None except cool to 4 C	PCBs by SW-846 8082, TCL Semivolatiles by SW-846 8270C	N		
AA0434	PBOW-00-SO-TNTA-SO081-AA0434-(01-02)	25 SEP 2000	08:40	8 oz CWM	1 None except cool to 4 C	Nitroaromatics by SW-846 8330, TAL Metals by SW-846 6010B/7471A in soil	N		
AA0435	PBOW-00-SO-TNTA-SO081-AA0435-(01-02)	25 SEP 2000	08:45	5 oz ENCORE	3 None except cool to 4 C	TCL Volatiles by SW-846 8260B	N		

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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 09252000-GPL

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
AA0435	PBOW-00-SO-TNTA-SO081-AA0435-(01-02)	25 SEP 2000	08:45	8 oz CWM	1	None except cool to 4 C	PCBs by SW-846 8082, TCL Semivolatiles by SW-846 8270C	N		
AA0435	PBOW-00-SO-TNTA-SO081-AA0435-(01-02)	25 SEP 2000	08:45	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by SW-846 8330, TAL Metals by SW-846 6010B/7471A in soil	N		
AA0440	PBOW-00-SO-TNTA-SO105-AA0440-(02-03)	25 SEP 2000	17:40	8 oz CWM	1	None except cool to 4 C	~~PCBs by SW-846 8082, TCL~~ Semivolatiles by SW-846 8270C	N		DO NOT ANALYZE per Chris Freshour 9/26/00
AA0440	PBOW-00-SO-TNTA-SO105-AA0440-(02-03)	25 SEP 2000	17:40	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by SW-846 8330, TAL Metals by SW-846 6010B/7471A in soil	N		
AA0440	PBOW-00-SO-TNTA-SO105-AA0440-(02-03)	25 SEP 2000	17:40	5 oz ENCORE	3	None except cool to 4 C	TCL Volatiles by SW-846 8260B	N		
AA0445	PBOW-00-SO-TNTA-SO120-AA0445-(02-03)	25 SEP 2000	17:15	5 oz ENCORE	3	None except cool to 4 C	TCL Volatiles by SW-846 8260B	N		
AA0445	PBOW-00-SO-TNTA-SO120-AA0445-(02-03)	25 SEP 2000	17:15	8 oz CWM	1	None except cool to 4 C	PCBs by SW-846 8082, TCL Semivolatiles by SW-846 8270C	N		
AA0445	PBOW-00-SO-TNTA-SO120-AA0445-(02-03)	25 SEP 2000	17:15	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by SW-846 8330, TAL Metals by SW-846 6010B/7471A in soil	N		
AA0446	PBOW-00-SO-TNTA-SO196-AA0446-(01-02)	25 SEP 2000	16:50	5 oz ENCORE	3	None except cool to 4 C	TCL Volatiles by SW-846 8260B	N		
AA0446	PBOW-00-SO-TNTA-SO196-AA0446-(01-02)	25 SEP 2000	16:50	8 oz CWM	1	None except cool to 4 C	PCBs by SW-846 8082, TCL Semivolatiles by SW-846 8270C	N		
AA0446	PBOW-00-SO-TNTA-SO196-AA0446-(01-02)	25 SEP 2000	16:50	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by SW-846 8330, TAL Metals by SW-846 6010B/7471A in soil	N		
AA0447	PBOW-00-SO-TNTA-SO261-AA0447-(02-03)	25 SEP 2000	15:40	8 oz CWM	1	None except cool to 4 C	PCBs by SW-846 8082, TCL Semivolatiles by SW-846 8270C	N		
AA0447	PBOW-00-SO-TNTA-SO261-AA0447-(02-03)	25 SEP 2000	15:40	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by SW-846 8330, TAL Metals by SW-846 6010B/7471A in soil	N		
AA0447	PBOW-00-SO-TNTA-SO261-AA0447-(02-03)	25 SEP 2000	15:40	5 oz ENCORE	3	None except cool to 4 C	TCL Volatiles by SW-846 8260B	N		
AA0448	PBOW-00-SO-TNTA-SO263-AA0448-(02-03)	25 SEP 2000	15:45	5 oz ENCORE	3	None except cool to 4 C	TCL Volatiles by SW-846 8260B	N		
AA0448	PBOW-00-SO-TNTA-SO263-AA0448-(02-03)	25 SEP 2000	15:45	8 oz CWM	1	None except cool to 4 C	PCBs by SW-846 8082, TCL Semivolatiles by SW-846 8270C	N		
AA0448	PBOW-00-SO-TNTA-SO263-AA0448-(02-03)	25 SEP 2000	15:45	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by SW-846 8330, TAL Metals by SW-846 6010B/7471A in soil	N		
AA0449	PBOW-00-SO-TNTA-SO276-AA0449-(02-03)	25 SEP 2000	12:00	5 oz ENCORE	3	None except cool to 4 C	TCL Volatiles by SW-846 8260B	N		
AA0449	PBOW-00-SO-TNTA-SO276-AA0449-(02-03)	25 SEP 2000	12:00	8 oz CWM	1	None except cool to 4 C	PCBs by SW-846 8082, TCL Semivolatiles by SW-846 8270C	N		
AA0449	PBOW-00-SO-TNTA-SO276-AA0449-(02-03)	25 SEP 2000	12:00	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by SW-846 8330, TAL Metals by SW-846 6010B/7471A in soil	N		
AA0450	PBOW-00-SO-TNTA-SO279-AA0450-(02-03)	25 SEP 2000	12:10	8 oz CWM	1	None except cool to 4 C	PCBs by SW-846 8082, TCL Semivolatiles by SW-846 8270C	N		
AA0450	PBOW-00-SO-TNTA-SO279-AA0450-(02-03)	25 SEP 2000	12:10	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by SW-846 8330, TAL Metals by SW-846 6010B/7471A in soil	N		
AA0450	PBOW-00-SO-TNTA-SO279-AA0450-(02-03)	25 SEP 2000	12:10	5 oz ENCORE	3	None except cool to 4 C	TCL Volatiles by SW-846 8260B	N		
AA0451	PBOW-00-SO-TNTA-SO297-AA0451-(01-02)	25 SEP 2000	11:45	5 oz ENCORE	3	None except cool to 4 C	TCL Volatiles by SW-846 8260B	N		
AA0451	PBOW-00-SO-TNTA-SO297-AA0451-(01-02)	25 SEP 2000	11:45	8 oz CWM	1	None except cool to 4 C	PCBs by SW-846 8082, TCL	N		

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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 09252000-GPL

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
AA0451	PBOW-00-SO-TNTA-SO297-AA0451-(01-02)	25 SEP 2000	11:45	8 oz CWM	1	None except cool to 4 C	Semivolatiles by SW-846 8270C Nitroaromatics by SW-846 8330, TAL Metals by SW-846 6010B/7471A in soil	N		
AA0453	PBOW-00-SO-TNTA-SO334-AA0453-(01-02)	25 SEP 2000	15:00	5 oz ENCORE	3	None except cool to 4 C	TCL Volatiles by SW-846 8260B	N		
AA0453	PBOW-00-SO-TNTA-SO334-AA0453-(01-02)	25 SEP 2000	15:00	8 oz CWM	1	None except cool to 4 C	PCBs by SW-846 8082, TCL Semivolatiles by SW-846 8270C	N		
AA0453	PBOW-00-SO-TNTA-SO334-AA0453-(01-02)	25 SEP 2000	15:00	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by SW-846 8330, TAL Metals by SW-846 6010B/7471A in soil	N		
AB0316	PBOW-00-SS-TNTC-SO316-AB0316-(00-01)	23 SEP 2000	14:20	4 oz CWM	1	None except cool to 4 C	Nitroaromatics by HPLC screen	N		
AB0317	PBOW-00-SS-TNTC-SO317-AB0317-(00-01)	23 SEP 2000	14:30	4 oz CWM	1	None except cool to 4 C	Nitroaromatics by HPLC screen	N		
AB0318	PBOW-00-SS-TNTC-SO318-AB0318-(00-01)	23 SEP 2000	18:10	4 oz CWM	1	None except cool to 4 C	Nitroaromatics by HPLC screen	N		
AB0319	PBOW-00-SS-TNTC-SO319-AB0319-(00-01)	23 SEP 2000	14:50	4 oz CWM	1	None except cool to 4 C	Nitroaromatics by HPLC screen	N		
AB0320	PBOW-00-SS-TNTC-SO320-AB0320-(00-01)	23 SEP 2000	11:20	4 oz CWM	1	None except cool to 4 C	Nitroaromatics by HPLC screen	N		
AB0321	PBOW-00-SS-TNTC-SO321-AB0321-(00-01)	23 SEP 2000	15:20	4 oz CWM	1	None except cool to 4 C	Nitroaromatics by HPLC screen	N		
AB0322	PBOW-00-SS-TNTC-SO322-AB0322-(00-01)	23 SEP 2000	15:30	4 oz CWM	1	None except cool to 4 C	Nitroaromatics by HPLC screen	N		
AB0323	PBOW-00-SS-TNTC-SO323-AB0323-(00-01)	23 SEP 2000	15:40	4 oz CWM	1	None except cool to 4 C	Nitroaromatics by HPLC screen	N		
AB0324	PBOW-00-SS-TNTC-SO324-AB0324-(00-01)	23 SEP 2000	10:20	4 oz CWM	1	None except cool to 4 C	Nitroaromatics by HPLC screen	N		
AB0325	PBOW-00-SS-TNTC-SO325-AB0325-(00-01)	23 SEP 2000	10:25	4 oz CWM	1	None except cool to 4 C	Nitroaromatics by HPLC screen	N		
AB0326	PBOW-00-SS-TNTC-SO326-AB0326-(00-01)	23 SEP 2000	12:20	4 oz CWM	1	None except cool to 4 C	Nitroaromatics by HPLC screen	N		
AB0327	PBOW-00-SS-TNTC-SO327-AB0327-(00-01)	23 SEP 2000	12:00	4 oz CWM	1	None except cool to 4 C	Nitroaromatics by HPLC screen	N		
AB0328	PBOW-00-SS-TNTC-SO328-AB0328-(00-01)	23 SEP 2000	12:00	4 oz CWM	1	None except cool to 4 C	Nitroaromatics by HPLC screen	N		
AB0329	PBOW-00-SS-TNTC-SO329-AB0329-(00-01)	23 SEP 2000	10:30	4 oz CWM	1	None except cool to 4 C	Nitroaromatics by HPLC screen	N		
AB0330	PBOW-00-SS-TNTC-SO330-AB0330-(00-01)	23 SEP 2000	10:35	4 oz CWM	1	None except cool to 4 C	Nitroaromatics by HPLC screen	N		
AB0331	PBOW-00-SS-TNTC-SO331-AB0331-(00-01)	23 SEP 2000	13:55	4 oz CWM	1	None except cool to 4 C	Nitroaromatics by HPLC screen	N		

9/5Y

0161

IT Corporation

To: Bill Lock Fax: 301-840-1209

From: Chris Freshour Date: 9/26/00

Re: Pages: 5

CC:

☐ Urgent ☐ For Review ☐ Please Comment ☐ Please Reply ☐ Please Recycl

8451

ORL Laboratories, LLLP

Figure 1
SAMPLE RECEIPT CHECKLIST

W.O. No: 9154

Client Name: IT- Plum Brook

Date Received: 9/26/00

Time Received: 10:24 Am

Received By: Lyons

Carrier Name: FED EX

Prepared (Logged In) By: L / 9/26/00 (Initials / Date)

Project: Plum Brook

Site:

VOA Holding Blank I.D. No:

	YES	NO
Airbill/Manifest Present?	X	
No. 821226203320		
Shipping Container in Good Condition?	X	
Custody Seals Present on Shipping Container?	X	
Condition: Broken ____ Intact-not dated or signed ____ Intact-dated and signed X		
Usage of Tamper Evident Type	X	
Chain-of-Custody Present?	X	
Chain-of-Custody Agrees with Sample Labels?	X	
Chain-of-Custody Signed?	X	
Packing Present in Shipping Container?	X	
Type of Packing BUBBLE WRAP BAGS		
Custody seals on Sample Bottles?		X
Condition: Good ____ Broken ____		
Total Number of Sample Bottles 118		
Total Number of Samples 20		
Samples Intact?	X	
Sufficient Sample Volume for Indicated Test?	X	

	YES	NO
Trip Blanks: No. of Sets ____		X
Field Blanks: No. of Sets ____		X
Equip. Blank: No. of Sets ____		X
Field Duplicate: No. of Sets ____		X
MS/MSD: No of Sets ____		X
VOA Vials Have Zero Headspace?		X
Preservatives Added to Sample?		X
pH Check Required?		X
Performed By? ____		X
Ice Present in Shipping Container?	X	Dried

Container #	Temp.	Container #	Temp.
#1	2.0		
2	2.0		
3	2.0		
4	2.0		

Project Manager Contacted?
Name: Luck
Date Contacted: 9/26/00

Any NO response must be detailed in the comments section below. If items are not applicable to particular samples or contracts, they should be marked N/A/

COMMENTS: Temp Blanks used for temp.
1) Faxed COC from Chris Freshour used to log-in samples - LR 9/26/00
2) Sample ~~AA0440~~ AA0440 will NOT be ANALYZED per phone call from Chris Freshour 9/26/00. - LR 9/26/00

Checklist Completed By: [illegible]

Date: 9/26/00

SOP No: F.2V10

1113

Analytical Report For 9164

for

VOA
SVOA
PCB
Explosives
Metals

IT Corporation

Project Manager: Maureen McMyler

Project Name : Plumbrook Ordnance Works

November 2, 2000

GPL

Laboratories

Project Manager

Laboratory Director

202 Perry Parkway Gaithersburg, MD 20877 Phone (301) 926 6802 Fax: (301) 840) 1209
www.gplab.com

TOTAL # OF PAGES : 131

00 1

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CASE NARRATIVE

CLIENT: IT CORPORATION
PROJECT/SITE: PLUMBROOK ORDNANCE WORKS
WORK ORDER(S): 9164
REVIEW DATE: 11/02/00

The Case Narrative, Chain of Custody, Sample Receipt Checklist, and the cover page of the Analytical Report, are integral parts of GPL Laboratories' report package. If you did not receive all of these documents, please contact GPL immediately.

Sample Receipt

Eight soils and five water samples were received on 09/27/2000. The samples were delivered by Federal express. The samples were received intact. Sample receipt conditions and temperatures are documented on the Sample Receipt Checklist.

Sample Analysis

Samples were prepared and analyzed by GPL using the analytical methodologies indicated on the Analytical Report of Analysis.

Volatile Analysis

1. Ten soils and three water samples were analyzed for volatile organic using 8260B methodologies.

2. Percent surrogate recoveries of samples AA0479 and AB0434 were outside established QC limits in the initial analysis. The samples were reanalyzed within the two times holding time. Internal standard recoveries of samples AA0478 and AA0479 were outside QC limits as well.

3. The matrix spike and matrix spike duplicate analyses were shared with work order 9154. Percent RPD of 1,1-dichloroethene, toluene, and chlorobenzene was outside QC limit.

4. Four laboratory control sample (LCS) reports were submitted with this package.

5. The lowest calibration level reported for acetone and 2-butanone in the initial calibration curve report, 8625BW20.M, was 5 ug/L.

Semivolatile Analysis

1. Two water samples and ten soil samples were extracted using method 3520C and 3550B respectively. These samples were analyzed for semivolatile organic compounds using USEPA method 8270C.

2. Sample AA0440 was analyzed at a 1:10 and 1:100 dilutions due to recovery of 2,6-Dinitrotoluene and 2,4-Dinitrotoluene outside calibration range.

3. Sample AA0479 was re-analyzed at a 1:2 dilution due to recovery of 2,4-Dinitrotoluene outside calibration range.

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Laboratories

CASE NARRATIVE

CLIENT: IT CORPORATION
PROJECT/SITE: PLUMBROOK ORDNANCE WORKS
WORK ORDER(S): 9164
REVIEW DATE: 11/02/00

4. Samples AA3010 and AA3011 were analyzed at a 1:100 dilution due to recovery of 2,6-Dinitrotoluene and 2,4-Dinitrotoluene outside calibration range.

5. For the water samples matrix spike and duplicate analysis was shared with work order 9134. A laboratory control spike was performed with the batch, one spike recovery was out.

6. For the soil samples matrix spike and duplicate analysis was performed on sample AA0479. There was one spike recovery and one RPD outside of QC limits. A laboratory control spike was also performed with the batch.

PCBs

1. Ten soil and two water samples were extracted and analyzed for PCB compounds using method 8082.

2. Matrix spike and MSD analysis for the soil was performed on sample AA0472. MS/MSD for the water samples was shared with WO# 9126 sample AB2018. AR1016 and AR1260 recovery for AB2018 MS and AR1260 MSD were outside QC limits. The RPD for AB2018 MS/MSD was outside QC limits. Laboratory control samples were performed with each matrix. AR1260 recovery for BKS7106 was slightly below QC limits.

3. Surrogate DCB is slightly below QC limits for AA3011 on RTX-CLP and RTX-CLP2 column and surrogate TCX was outside QC limits for AA0479 on RTX-CLP, as well as AA3011 and AA3010 on both RTX-CLP and RTX-CLP2 due to matrix interference.

4. Concentrations reported on Form I are the higher values of results generated by two columns. However, the analyst based on the evaluation of quality control parameters determines the most reliable results. Flagged concentrations (*) on Form I indicate that reported results are the lower values.

5. Due to software limitations, some forms were corrected manually.

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Laboratories

CASE NARRATIVE

CLIENT: IT CORPORATION
PROJECT/SITE: PLUMBROOK ORDNANCE WORKS
WORK ORDER(S): 9164
REVIEW DATE: 11/02/00

Explosives/HPLC

1. Ten soil and two water samples were extracted and analyzed for explosive compounds using SW846 method 8330.

2. Matrix spike and matrix spike duplicate analyses were performed on sample AA0452 for the soil batch. The RPD for Tetryl was slightly above the QC limit. All other target analyte recoveries were within control limits.

3. Matrix spike and matrix spike duplicate analyses were performed on sample AA3010 for the water batch. Percent recovery of Tetryl, TNT, RDX, 4-Amino-2,6-DNT, 2-Amino-4,6-DNT, 2,4-DNT, 2-Nitrotoluene, and 3-Nitrotoluene were outside the QC limits due to the presence of either high levels of some of these explosive compounds or interfering peaks in the compounds retention time area. The RPD for TNT was above the QC limit. All other target analyte recoveries were within control limits.

4. A laboratory control sample was extracted and analyzed along with each sample matrix batch. All target analyte recoveries were within control limits.

5. Samples AA0440, AA3010, and AA3011 required diluted analysis for high levels of 2,4-DNT. Sample AA0475 required diluted analysis for a high level of TNT.

6. Explosive compounds 2,4-DNT and 2,6-DNT co-elute on the primary column and the confirmation column. The mixture of 2,4-DNT and 2,6-DNT in the LCS and MS/MSD samples is quantitated and reported as 2,4-DNT. A peak detected in the retention time window of 2,4-DNT and 2,6-DNT on both columns will be reported as an isomeric pair in samples under the results for 2,4-DNT.

7. Manual integration was performed on some data files, when automatic integration provided by the software was inappropriate. Some forms were "hand" corrected due to software limitations.

Metals

1. Four water samples and ten soil samples were analyzed for HSL metals by EPA SW846 methodologies.

2. The soil and water samples were reported on separate forms.

3. A matrix spike, duplicate, and serial dilution were performed on water sample AA3010 FILTERED for all required ICP analytes. No control limits were applied to the matrix spike for calcium, and manganese due to an insignificant spike addition.

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Laboratories

CASE NARRATIVE

CLIENT: IT CORPORATION
PROJECT/SITE: PLUMBROOK ORDNANCE WORKS
WORK ORDER(S): 9164
REVIEW DATE: 11/02/00

4. A matrix spike and duplicate were performed on water sample AA3010 for mercury. They were within the control limits.

5. A matrix spike, duplicate, and serial dilution were performed on the batch soil sample 0009128-02 for all required ICP analytes. The matrix spike was outside of the control limits for aluminum, antimony, calcium, and lead. All associated data was flagged with an "N". A post digestion analytical spike was performed with recoveries within 5% of the true value for all the analytes(except lead). No control limits were applied to the matrix spike for iron due to an insignificant spike addition. The duplicate was outside of the control limits for barium, calcium and lead. All associated data was flagged with an "*".

6. A matrix spike and duplicate were performed on the batch soil sample 0009165-30 for mercury. They were within the control limits.

7. Calibration standards are verified against independent check standards purchased from a commercial vendor of environmental standards.

8. All GPL QA/QC criteria were met with the exceptions of those mentioned above.

Project Manager

Lab Director

GPL LABORATORIES, LLP
ANALYTICAL RESULTS

Project Name : Plumbrook Ordnance Works

Date Printe November 2, 2000

GPL ID	Client ID
9164-002-06-1	AA0440
9164-003-06-1	AA0452
9164-004-06-1	AA0472
9164-005-06-1	AA0473
9164-006-06-1	AA0474
9164-007-06-1	AA0475
9164-008-06-1	AA0478
9164-009-06-1	AA0479
9164-012-06-1	AB0434
9164-013-06-1	AB0436
9164-010-06-1	AA3010
9164-011-06-1	AA3011
9164-014-01-1	8
9164-014-01-1	AA3010 FILTERED
9164-015-01-1	AA3011 FILTERED
9164-002-06-1	AA0440
9164-002-06-1	AA0440
9164-003-06-1	AA0452
9164-003-06-1	AA0452
9164-004-06-1	AA0472
9164-004-06-1	AA0472
9164-005-06-1	AA0473
9164-005-06-1	AA0473
9164-006-06-1	AA0474
9164-006-06-1	AA0474
9164-007-06-1	AA0475
9164-007-06-1	AA0475
9164-008-06-1	AA0478
9164-008-06-1	AA0478
9164-009-06-1	AA0479
9164-009-06-1	AA0479
9164-012-06-1	AB0434
9164-012-06-1	AB0434
9164-013-06-1	AB0436
9164-013-06-1	AB0436
9164-010-06-1	AA3010
9164-011-06-1	AA3011
9164-014-01-1	8
9164-014-01-1	AA3010 FILTERED
9164-015-01-1	AA3011 FILTERED
9164-002-06-1	AA0440
9164-003-06-1	AA0452
9164-004-06-1	AA0472
9164-005-06-1	AA0473
9164-006-06-1	AA0474
9164-007-06-1	AA0475
9164-008-06-1	AA0478

GPL LABORATORIES, LLP
ANALYTICAL RESULTS

Project Name : Plumbrook Ordnance Works

Date Printe November 2, 2000

GPL ID	Client ID
9164-009-06-1	AA0479
9164-012-06-1	AB0434
9164-013-06-1	AB0436
9164-010-09-1/2	AA3010
9164-011-09-1/2	AA3011
9164-002-05-1	AA0440
9164-002-05-1	AA0440DL
9164-002-05-1	AA0440DL2
9164-003-05-1	AA0452
9164-004-05-1	AA0472
9164-005-05-1	AA0473
9164-006-05-1	AA0474
9164-007-05-1	AA0475
9164-008-05-1	AA0478
9164-009-05-1	AA0479
9164-009-05-1	AA0479DL
9164-012-05-1	AB0434
9164-013-05-1	AB0436
9164-002-01-1/3	AA0440
9164-003-01-1/3	AA0452
9164-004-01-1/3	AA0472
9164-005-01-1/3	AA0473
9164-006-01-1/3	AA0474
9164-007-01-1/3	AA0475
9164-008-01-1/3	AA0478
9164-009-01-1/3	AA0479
9164-012-01-1/3	AB0434
9164-013-01-1/3	AB0436
9164-001-01-1/2	09262000-TB
9164-010-01-1/3	AA3010
9164-011-01-1/3	AA3011
9164-010-07-1/2	AA3010DL
9164-011-07-1/2	AA3011DL
9164-002-05-1	AA0440
9164-002-05-1	AA0440DL
9164-002-05-1	AA0440DL2
9164-002-05-1	AA0440
9164-002-05-1	AA0440DL
9164-002-05-1	AA0440DL2
9164-003-05-1	AA0452
9164-004-05-1	AA0472
9164-005-05-1	AA0473
9164-006-05-1	AA0474
9164-007-05-1	AA0475
9164-008-05-1	AA0478
9164-009-05-1	AA0479
9164-009-05-1	AA0479DL

GPL LABORATORIES, LLP
ANALYTICAL RESULTS

Project Name : Plumbrook Ordnance Works

Date Printe November 2, 2000

GPL ID	Client ID
9164-009-05-1	AA0479
9164-009-05-1	AA0479DL
9164-012-05-1	AB0434
9164-013-05-1	AB0436
9164-002-05-1	AA0440
9164-002-05-1	AA0440DL
9164-002-05-1	AA0440DL2
9164-002-05-1	AA0440
9164-002-05-1	AA0440DL
9164-002-05-1	AA0440DL2
9164-003-05-1	AA0452
9164-004-05-1	AA0472
9164-005-05-1	AA0473
9164-006-05-1	AA0474
9164-007-05-1	AA0475
9164-007-05-1	AA0475
9164-008-05-1	AA0478
9164-009-05-1	AA0479
9164-009-05-1	AA0479DL
9164-010-04-1/2	AA3010
9164-010-04-1/2	AA3010
9164-011-04-1/2	AA3011
9164-011-04-1/2	AA3011
9164-012-05-1	AB0434
9164-013-05-1	AB0436

Summary of Analytical Results

Client ID AA0440
GPL ID: 9164-002-06-1
Matrix: Soil
Date Collected: Sep-26-2000
Date Received: Sep-27-2000

Prep Method:
Prep Date:
Prep Time:
Prep Chemist:

Analytical Method: CLP_SOLIDS
Date Analyzed: Oct-03-2000
Time Analyzed 10:20
Analyst: Roya Sabouri

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Percent Solids	82.6	0	%		1

Summary of Analytical Results

Client ID AA0452	Prep Method:	Analytical Method: CLP_SOLIDS
GPL ID: 9164-003-06-1	Prep Date:	Date Analyzed: Oct-03-2000
Matrix: Soil	Prep Time:	Time Analyzed 10:20
Date Collected: Sep-26-2000	Prep Chemist:	Analyst: Roya Sabouri
Date Received: Sep-27-2000		

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Percent Solids	84.4	0	%		1

Summary of Analytical Results

Client ID AA0472
GPL ID: 9164-004-06-1
Matrix: Soil
Date Collected: Sep-26-2000
Date Received: Sep-27-2000

Prep Method:
Prep Date:
Prep Time:
Prep Chemist:

Analytical Method: CLP_SOLIDS
Date Analyzed: Oct-03-2000
Time Analyzed 10:20
Analyst: Roya Sabouri

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Percent Solids	80.6	0	%		1

Summary of Analytical Results

Client ID AA0473
GPL ID: 9164-005-06-1
Matrix: Soil
Date Collected: Sep-26-2000
Date Received: Sep-27-2000

Prep Method:
Prep Date:
Prep Time:
Prep Chemist:

Analytical Method: CLP_SOLIDS
Date Analyzed: Oct-03-2000
Time Analyzed 10:20
Analyst: Roya Sabouri

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Percent Solids	82.1	0	%		1

Summary of Analytical Results

Client ID AA0474
GPL ID: 9164-006-06-1
Matrix: Soil
Date Collected: Sep-26-2000
Date Received: Sep-27-2000

Prep Method:
Prep Date:
Prep Time:
Prep Chemist:

Analytical Method: CLP_SOLIDS
Date Analyzed: Oct-03-2000
Time Analyzed 10:20
Analyst: Roya Sabouri

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Percent Solids	80.7	0	%		1

Summary of Analytical Results

Client ID AA0475
GPL ID: 9164-007-06-1
Matrix: Soil
Date Collected: Sep-26-2000
Date Received: Sep-27-2000

Prep Method:
Prep Date:
Prep Time:
Prep Chemist:

Analytical Method: CLP_SOLIDS
Date Analyzed: Oct-03-2000
Time Analyzed 10:20
Analyst: Roya Sabouri

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Percent Solids	88.0	0	%		1

Summary of Analytical Results

Client ID AA0478
GPL ID: 9164-008-06-1
Matrix: Soil
Date Collected: Sep-26-2000
Date Received: Sep-27-2000

Prep Method:
Prep Date:
Prep Time:
Prep Chemist:

Analytical Method: CLP_SOLIDS
Date Analyzed: Oct-03-2000
Time Analyzed 10:20
Analyst: Roya Sabouri

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Percent Solids	86.7	0	%		1

Summary of Analytical Results

Client ID AA0479
GPL ID: 9164-009-06-1
Matrix: Soil
Date Collected: Sep-26-2000
Date Received: Sep-27-2000

Prep Method:
Prep Date:
Prep Time:
Prep Chemist:

Analytical Method: CLP_SOLIDS
Date Analyzed: Oct-03-2000
Time Analyzed 10:20
Analyst: Roya Sabouri

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Percent Solids	82.9	0	%		1

Summary of Analytical Results

Client ID AB0434
GPL ID: 9164-012-06-1
Matrix: Soil
Date Collected: Sep-26-2000
Date Received: Sep-27-2000

Prep Method:
Prep Date:
Prep Time:
Prep Chemist:

Analytical Method: CLP_SOLIDS
Date Analyzed: Oct-03-2000
Time Analyzed 10:20
Analyst: Roya Sabouri

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Percent Solids	89.4	0	%		1

Summary of Analytical Results

Client ID AB0436
GPL ID: 9164-013-06-1
Matrix: Soil
Date Collected: Sep-26-2000
Date Received: Sep-27-2000

Prep Method:
Prep Date:
Prep Time:
Prep Chemist:

Analytical Method: CLP_SOLIDS
Date Analyzed: Oct-03-2000
Time Analyzed 10:20
Analyst: Roya Sabouri

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Percent Solids	88.8	0	%		1

Summary of Analytical Results

Client ID AA3010
GPL ID: 9164-010-06-1
Matrix: Water
Date Collected: Sep-26-2000
Date Received: Sep-27-2000

Prep Method: SW3010A
Prep Date: Oct-25-2000
Prep Time: 15:10
Prep Chemist: Teshome Tamitre

Analytical Method: SW6010B
Date Analyzed: Nov-01-2000
Time Analyzed 13:10
Analyst: Lewis Millholland

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	465	200	ug/L		1
Antimony	BQL	6	ug/L	U	1
Arsenic	BQL	5	ug/L	U	1
Barium	23.4	5	ug/L		1
Beryllium	BQL	1	ug/L	U	1
Cadmium	0.751	3	ug/L	B	1
Calcium	237000	500	ug/L		1
Chromium	1.24	5	ug/L	B	1
Cobalt	5.73	5	ug/L		1
Copper	4.53	5	ug/L	B	1
Iron	906	100	ug/L		1
Lead	1.60	3	ug/L	B	1
Magnesium	20300	250	ug/L		1
Manganese	1900	5	ug/L		1
Nickel	11.0	5	ug/L		1
Potassium	2210	250	ug/L		1
Selenium	BQL	5	ug/L	U	1
Silver	BQL	3	ug/L	U	1
Sodium	6700	1000	ug/L		1
Thallium	BQL	10	ug/L	U	1
Vanadium	1.59	5	ug/L	B	1
Zinc	37.2	15	ug/L		1

Summary of Analytical Results

Client ID AA3011
GPL ID: 9164-011-06-1
Matrix: Water
Date Collected: Sep-26-2000
Date Received: Sep-27-2000

Prep Method: SW3010A
Prep Date: Oct-25-2000
Prep Time: 15:10
Prep Chemist: Teshome Tamitre

Analytical Method: SW6010B
Date Analyzed: Nov-01-2000
Time Analyzed 13:17
Analyst: Lewis Millholland

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	3710	200	ug/L		1
Antimony	BQL	6	ug/L	U	1
Arsenic	5.43	5	ug/L		1
Barium	37.9	5	ug/L		1
Beryllium	0.267	1	ug/L	B	1
Cadmium	0.708	3	ug/L	B	1
Calcium	270000	500	ug/L		1
Chromium	6.32	5	ug/L		1
Cobalt	8.71	5	ug/L		1
Copper	9.54	5	ug/L		1
Iron	8040	100	ug/L		1
Lead	6.02	3	ug/L		1
Magnesium	27700	250	ug/L		1
Manganese	2240	5	ug/L		1
Nickel	22.9	5	ug/L		1
Potassium	3090	250	ug/L		1
Selenium	BQL	5	ug/L	U	1
Silver	BQL	3	ug/L	U	1
Sodium	6730	1000	ug/L		1
Thallium	BQL	10	ug/L	U	1
Vanadium	11.2	5	ug/L		1
Zinc	110	15	ug/L		1

Summary of Analytical Results

Client ID AA3010 FILTERED
GPL ID: 9164-014-01-1
Matrix: Water
Date Collected: Sep-26-2000
Date Received: Sep-27-2000

Prep Method: SW3010A
Prep Date: Oct-25-2000
Prep Time: 15:10
Prep Chemist: Teshome Tamitre

Analytical Method: SW6010B
Date Analyzed: Nov-01-2000
Time Analyzed 13:23
Analyst: Lewis Millholland

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	38.4	200	ug/L	B	1
Antimony	BQL	6	ug/L	U	1
Arsenic	BQL	5	ug/L	U	1
Barium	22.2	5	ug/L		1
Beryllium	BQL	1	ug/L	U	1
Cadmium	0.702	3	ug/L	B	1
Calcium	240000	500	ug/L		1
Chromium	BQL	5	ug/L	U	1
Cobalt	5.42	5	ug/L		1
Copper	3.52	5	ug/L	B	1
Iron	39.1	100	ug/L	B	1
Lead	2.03	3	ug/L	B	1
Magnesium	19300	250	ug/L		1
Manganese	2060	5	ug/L		1
Nickel	8.84	5	ug/L		1
Potassium	2210	250	ug/L		1
Selenium	BQL	5	ug/L	U	1
Silver	BQL	3	ug/L	U	1
Sodium	7390	1000	ug/L		1
Thallium	BQL	10	ug/L	U	1
Vanadium	BQL	5	ug/L	U	1
Zinc	25.0	15	ug/L		1

Summary of Analytical Results

Client ID AA3011 FILTERED
GPL ID: 9164-015-01-1
Matrix: Water
Date Collected: Sep-26-2000
Date Received: Sep-27-2000

Prep Method: SW3010A
Prep Date: Oct-25-2000
Prep Time: 15:10
Prep Chemist: Teshome Tamitre

Analytical Method: SW6010B
Date Analyzed: Nov-01-2000
Time Analyzed 14:08
Analyst: Lewis Millholland

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	44.3	200	ug/L	B	1
Antimony	BQL	6	ug/L	U	1
Arsenic	BQL	5	ug/L	U	1
Barium	21.8	5	ug/L		1
Beryllium	BQL	1	ug/L	U	1
Cadmium	0.448	3	ug/L	B	1
Calcium	233000	500	ug/L		1
Chromium	BQL	5	ug/L	U	1
Cobalt	4.43	5	ug/L	B	1
Copper	BQL	5	ug/L	U	1
Iron	BQL	100	ug/L	U	1
Lead	BQL	3	ug/L	U	1
Magnesium	19300	250	ug/L		1
Manganese	1920	5	ug/L		1
Nickel	9.08	5	ug/L		1
Potassium	2150	250	ug/L		1
Selenium	BQL	5	ug/L	U	1
Silver	BQL	3	ug/L	U	1
Sodium	6730	1000	ug/L		1
Thallium	BQL	10	ug/L	U	1
Vanadium	BQL	5	ug/L	U	1
Zinc	28.3	15	ug/L		1

Summary of Analytical Results

Client ID AA0440
GPL ID: 9164-002-06-1
Matrix: Soil
Date Collected: Sep-26-2000
Date Received: Sep-27-2000

Prep Method: SW3050B
Prep Date: Oct-26-2000
Prep Time: 15:31
Prep Chemist: Teshome Tamitre

Analytical Method: SW6010B
Date Analyzed: Nov-01-2000
Time Analyzed 04:36
Analyst: Lewis Millholland

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	1090	47.5	mg/kg		2
Antimony	1.31	1.42	mg/kg	B	2
Arsenic	5.89	1.19	mg/kg		2
Barium	109	1.19	mg/kg		2
Beryllium	0.166	0.237	mg/kg	B	2
Cadmium	BQL	0.712	mg/kg	U	2
Calcium	1700	119	mg/kg		2
Chromium	3.09	1.19	mg/kg		2
Cobalt	0.803	1.19	mg/kg	B	2
Copper	7.11	1.19	mg/kg		2
Iron	6060	23.7	mg/kg		2
Magnesium	235	59.4	mg/kg		2
Manganese	26.7	1.19	mg/kg		2
Nickel	3.26	1.19	mg/kg		2
Potassium	678	59.4	mg/kg		2
Selenium	1.15	1.19	mg/kg	B	2
Silver	BQL	0.712	mg/kg	U	2
Sodium	191	237	mg/kg	B	2
Thallium	BQL	2.37	mg/kg	U	2
Vanadium	6.54	1.19	mg/kg		2
Zinc	12.8	3.56	mg/kg		2

Summary of Analytical Results

Client ID AA0440	**Prep Method: SW3050B**	**Analytical Method: SW6010B**
GPL ID: 9164-002-06-1	**Prep Date: Oct-26-2000**	**Date Analyzed: Oct-28-2000**
Matrix: Soil	**Prep Time: 15:31**	**Time Analyzed 04:12**
Date Collected: Sep-26-2000	**Prep Chemist: Teshome Tamitre**	**Analyst: Simina Lal**
Date Received: Sep-27-2000		

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Lead	1660	0.712	mg/kg		2

Summary of Analytical Results

Client ID AA0452
GPL ID: 9164-003-06-1
Matrix: Soil
Date Collected: Sep-26-2000
Date Received: Sep-27-2000

Prep Method: SW3050B
Prep Date: Oct-26-2000
Prep Time: 15:31
Prep Chemist: Teshome Tamitre

Analytical Method: SW6010B
Date Analyzed: Nov-01-2000
Time Analyzed 04:42
Analyst: Lewis Millholland

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	5350	46	mg/kg		2
Antimony	BQL	1.38	mg/kg	U	2
Arsenic	3.44	1.15	mg/kg		2
Barium	20.5	1.15	mg/kg		2
Beryllium	0.302	0.23	mg/kg		2
Cadmium	BQL	0.69	mg/kg	U	2
Calcium	5990	115	mg/kg		2
Chromium	7.04	1.15	mg/kg		2
Cobalt	3.62	1.15	mg/kg		2
Copper	5.34	1.15	mg/kg		2
Iron	8760	23	mg/kg		2
Magnesium	1480	57.5	mg/kg		2
Manganese	241	1.15	mg/kg		2
Nickel	9.18	1.15	mg/kg		2
Potassium	535	57.5	mg/kg		2
Selenium	BQL	1.15	mg/kg	U	2
Silver	BQL	0.69	mg/kg	U	2
Sodium	156	230	mg/kg	B	2
Thallium	BQL	2.3	mg/kg	U	2
Vanadium	11.9	1.15	mg/kg		2
Zinc	25.0	3.45	mg/kg		2

Summary of Analytical Results

Client ID AA0452
GPL ID: 9164-003-06-1
Matrix: Soil
Date Collected: Sep-26-2000
Date Received: Sep-27-2000

Prep Method: SW3050B
Prep Date: Oct-26-2000
Prep Time: 15:31
Prep Chemist: Teshome Tamitre

Analytical Method: SW6010B
Date Analyzed: Oct-28-2000
Time Analyzed 04:19
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Lead	11.1	0.69	mg/kg		2

Summary of Analytical Results

Client ID AA0472
GPL ID: 9164-004-06-1
Matrix: Soil
Date Collected: Sep-26-2000
Date Received: Sep-27-2000

Prep Method: SW3050B
Prep Date: Oct-26-2000
Prep Time: 15:31
Prep Chemist: Teshome Tamitre

Analytical Method: SW6010B
Date Analyzed: Nov-01-2000
Time Analyzed 04:49
Analyst: Lewis Millholland

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	7120	49.6	mg/kg		2
Antimony	BQL	1.49	mg/kg	U	2
Arsenic	3.03	1.24	mg/kg		2
Barium	26.5	1.24	mg/kg		2
Beryllium	0.438	0.248	mg/kg		2
Cadmium	BQL	0.744	mg/kg	U	2
Calcium	4060	124	mg/kg		2
Chromium	9.62	1.24	mg/kg		2
Cobalt	5.32	1.24	mg/kg		2
Copper	5.28	1.24	mg/kg		2
Iron	10100	24.8	mg/kg		2
Magnesium	1420	62	mg/kg		2
Manganese	256	1.24	mg/kg		2
Nickel	12.0	1.24	mg/kg		2
Potassium	665	62	mg/kg		2
Selenium	BQL	1.24	mg/kg	U	2
Silver	BQL	0.744	mg/kg	U	2
Sodium	244	248	mg/kg	B	2
Thallium	BQL	2.48	mg/kg	U	2
Vanadium	14.2	1.24	mg/kg		2
Zinc	29.4	3.72	mg/kg		2

Summary of Analytical Results

Client ID AA0472
GPL ID: 9164-004-06-1
Matrix: Soil
Date Collected: Sep-26-2000
Date Received: Sep-27-2000

Prep Method: SW3050B
Prep Date: Oct-26-2000
Prep Time: 15:31
Prep Chemist: Teshome Tamitre

Analytical Method: SW6010B
Date Analyzed: Oct-28-2000
Time Analyzed 04:26
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Lead	7.17	0.744	mg/kg		2

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AA0473
GPL ID: 9164-005-06-1
Matrix: Soil
Date Collected: Sep-26-2000
Date Received: Sep-27-2000

Prep Method: SW3050B
Prep Date: Oct-26-2000
Prep Time: 15:31
Prep Chemist: Teshome Tamitre

Analytical Method: SW6010B
Date Analyzed: Nov-01-2000
Time Analyzed 04:56
Analyst: Lewis Millholland

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	11900	46.4	mg/kg		2
Antimony	BQL	1.39	mg/kg	U	2
Arsenic	7.31	1.16	mg/kg		2
Barium	15.9	1.16	mg/kg		2
Beryllium	0.646	0.232	mg/kg		2
Cadmium	BQL	0.696	mg/kg	U	2
Calcium	56900	116	mg/kg		2
Chromium	22.7	1.16	mg/kg		2
Cobalt	19.0	1.16	mg/kg		2
Copper	13.4	1.16	mg/kg		2
Iron	21800	23.2	mg/kg		2
Magnesium	7820	58	mg/kg		2
Manganese	563	1.16	mg/kg		2
Nickel	50.7	1.16	mg/kg		2
Potassium	2770	58	mg/kg		2
Selenium	BQL	1.16	mg/kg	U	2
Silver	BQL	0.696	mg/kg	U	2
Sodium	454	232	mg/kg		2
Thallium	BQL	2.32	mg/kg	U	2
Vanadium	16.9	1.16	mg/kg		2
Zinc	56.3	3.48	mg/kg		2

Summary of Analytical Results

Client ID AA0473
GPL ID: 9164-005-06-1
Matrix: Soil
Date Collected: Sep-26-2000
Date Received: Sep-27-2000

Prep Method: SW3050B
Prep Date: Oct-26-2000
Prep Time: 15:31
Prep Chemist: Teshome Tamitre

Analytical Method: SW6010B
Date Analyzed: Oct-28-2000
Time Analyzed 04:33
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Lead	4.11	0.696	mg/kg		2

Summary of Analytical Results

Client ID AA0474
GPL ID: 9164-006-06-1
Matrix: Soil
Date Collected: Sep-26-2000
Date Received: Sep-27-2000

Prep Method: SW3050B
Prep Date: Oct-26-2000
Prep Time: 15:31
Prep Chemist: Teshome Tamitre

Analytical Method: SW6010B
Date Analyzed: Nov-01-2000
Time Analyzed 05:02
Analyst: Lewis Millholland

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	10800	49.6	mg/kg		2
Antimony	BQL	1.49	mg/kg	U	2
Arsenic	5.29	1.24	mg/kg		2
Barium	33.6	1.24	mg/kg		2
Beryllium	0.704	0.248	mg/kg		2
Cadmium	BQL	0.744	mg/kg	U	2
Calcium	75800	124	mg/kg		2
Chromium	20.4	1.24	mg/kg		2
Cobalt	15.2	1.24	mg/kg		2
Copper	17.6	1.24	mg/kg		2
Iron	28600	24.8	mg/kg		2
Magnesium	5000	62	mg/kg		2
Manganese	873	1.24	mg/kg		2
Nickel	44.1	1.24	mg/kg		2
Potassium	2690	62	mg/kg		2
Selenium	BQL	1.24	mg/kg	U	2
Silver	BQL	0.744	mg/kg	U	2
Sodium	433	248	mg/kg		2
Thallium	BQL	2.48	mg/kg	U	2
Vanadium	15.2	1.24	mg/kg		2
Zinc	30.3	3.72	mg/kg		2

Summary of Analytical Results

Client ID AA0474
GPL ID: 9164-006-06-1
Matrix: Soil
Date Collected: Sep-26-2000
Date Received: Sep-27-2000

Prep Method: SW3050B
Prep Date: Oct-26-2000
Prep Time: 15:31
Prep Chemist: Teshome Tamitre

Analytical Method: SW6010B
Date Analyzed: Oct-28-2000
Time Analyzed 04:40
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Lead	8.47	0.744	mg/kg		2

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AA0475
GPL ID: 9164-007-06-1
Matrix: Soil
Date Collected: Sep-26-2000
Date Received: Sep-27-2000

Prep Method: SW3050B
Prep Date: Oct-26-2000
Prep Time: 15:31
Prep Chemist: Teshome Tamitre

Analytical Method: SW6010B
Date Analyzed: Nov-01-2000
Time Analyzed 05:09
Analyst: Lewis Millholland

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	11700	45	mg/kg		2
Antimony	1.13	1.35	mg/kg	B	2
Arsenic	7.97	1.13	mg/kg		2
Barium	20.3	1.13	mg/kg		2
Beryllium	0.641	0.225	mg/kg		2
Cadmium	BQL	0.675	mg/kg	U	2
Calcium	65500	112	mg/kg		2
Chromium	22.2	1.13	mg/kg		2
Cobalt	15.5	1.13	mg/kg		2
Copper	13.2	1.13	mg/kg		2
Iron	23000	22.5	mg/kg		2
Magnesium	7500	56.2	mg/kg		2
Manganese	703	1.13	mg/kg		2
Nickel	44.1	1.13	mg/kg		2
Potassium	2940	56.2	mg/kg		2
Selenium	BQL	1.13	mg/kg	U	2
Silver	BQL	0.675	mg/kg	U	2
Sodium	350	225	mg/kg		2
Thallium	BQL	2.25	mg/kg	U	2
Vanadium	16.2	1.13	mg/kg		2
Zinc	33.8	3.38	mg/kg		2

Summary of Analytical Results

Client ID AA0475
GPL ID: 9164-007-06-1
Matrix: Soil
Date Collected: Sep-26-2000
Date Received: Sep-27-2000

Prep Method: SW3050B
Prep Date: Oct-26-2000
Prep Time: 15:31
Prep Chemist: Teshome Tamitre

Analytical Method: SW6010B
Date Analyzed: Oct-28-2000
Time Analyzed 04:46
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Lead	4.76	0.675	mg/kg		2

Summary of Analytical Results

Client ID AA0478
GPL ID: 9164-008-06-1
Matrix: Soil
Date Collected: Sep-26-2000
Date Received: Sep-27-2000

Prep Method: SW3050B
Prep Date: Oct-26-2000
Prep Time: 15:31
Prep Chemist: Teshome Tamitre

Analytical Method: SW6010B
Date Analyzed: Nov-01-2000
Time Analyzed 05:16
Analyst: Lewis Millholland

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	3130	43.5	mg/kg		2
Antimony	BQL	1.31	mg/kg	U	2
Arsenic	3.23	1.09	mg/kg		2
Barium	9.08	1.09	mg/kg		2
Beryllium	0.246	0.218	mg/kg		2
Cadmium	BQL	0.653	mg/kg	U	2
Calcium	10600	109	mg/kg		2
Chromium	4.96	1.09	mg/kg		2
Cobalt	3.08	1.09	mg/kg		2
Copper	5.59	1.09	mg/kg		2
Iron	7050	21.8	mg/kg		2
Magnesium	2880	54.4	mg/kg		2
Manganese	287	1.09	mg/kg		2
Nickel	8.95	1.09	mg/kg		2
Potassium	413	54.4	mg/kg		2
Selenium	BQL	1.09	mg/kg	U	2
Silver	BQL	0.653	mg/kg	U	2
Sodium	178	218	mg/kg	B	2
Thallium	BQL	2.18	mg/kg	U	2
Vanadium	9.65	1.09	mg/kg		2
Zinc	20.9	3.26	mg/kg		2

Summary of Analytical Results

Client ID AA0478
GPL ID: 9164-008-06-1
Matrix: Soil
Date Collected: Sep-26-2000
Date Received: Sep-27-2000

Prep Method: SW3050B
Prep Date: Oct-26-2000
Prep Time: 15:31
Prep Chemist: Teshome Tamitre

Analytical Method: SW6010B
Date Analyzed: Oct-28-2000
Time Analyzed 04:53
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Lead	3.15	0.653	mg/kg		2

Summary of Analytical Results

Client ID AA0479
GPL ID: 9164-009-06-1
Matrix: Soil
Date Collected: Sep-26-2000
Date Received: Sep-27-2000

Prep Method: SW3050B
Prep Date: Oct-26-2000
Prep Time: 15:31
Prep Chemist: Teshome Tamitre

Analytical Method: SW6010B
Date Analyzed: Nov-01-2000
Time Analyzed 05:22
Analyst: Lewis Millholland

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	2760	46.4	mg/kg		2
Antimony	1.22	1.39	mg/kg	B	2
Arsenic	3.66	1.16	mg/kg		2
Barium	9.88	1.16	mg/kg		2
Beryllium	0.246	0.232	mg/kg		2
Cadmium	0.103	0.696	mg/kg	B	2
Calcium	32500	116	mg/kg		2
Chromium	6.40	1.16	mg/kg		2
Cobalt	2.97	1.16	mg/kg		2
Copper	5.86	1.16	mg/kg		2
Iron	6710	23.2	mg/kg		2
Magnesium	6690	58	mg/kg		2
Manganese	220	1.16	mg/kg		2
Nickel	8.02	1.16	mg/kg		2
Potassium	405	58	mg/kg		2
Selenium	BQL	1.16	mg/kg	U	2
Silver	BQL	0.696	mg/kg	U	2
Sodium	294	232	mg/kg		2
Thallium	BQL	2.32	mg/kg	U	2
Vanadium	9.51	1.16	mg/kg		2
Zinc	30.7	3.48	mg/kg		2

Summary of Analytical Results

Client ID AA0479	**Prep Method: SW3050B**	**Analytical Method: SW6010B**
GPL ID: 9164-009-06-1	**Prep Date: Oct-26-2000**	**Date Analyzed: Oct-28-2000**
Matrix: Soil	**Prep Time: 15:31**	**Time Analyzed 05:00**
Date Collected: Sep-26-2000	**Prep Chemist: Teshome Tamitre**	**Analyst: Simina Lal**
Date Received: Sep-27-2000		

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Lead	3.32	0.696	mg/kg		2

Summary of Analytical Results

Client ID AB0434
GPL ID: 9164-012-06-1
Matrix: Soil
Date Collected: Sep-26-2000
Date Received: Sep-27-2000

Prep Method: SW3050B
Prep Date: Oct-26-2000
Prep Time: 15:31
Prep Chemist: Teshome Tamitre

Analytical Method: SW6010B
Date Analyzed: Nov-01-2000
Time Analyzed 05:42
Analyst: Lewis Millholland

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	5850	41.8	mg/kg		2
Antimony	BQL	1.25	mg/kg	U	2
Arsenic	2.82	1.05	mg/kg		2
Barium	28.2	1.05	mg/kg		2
Beryllium	0.383	0.209	mg/kg		2
Cadmium	0.097	0.627	mg/kg	B	2
Calcium	40800	105	mg/kg		2
Chromium	9.71	1.05	mg/kg		2
Cobalt	6.11	1.05	mg/kg		2
Copper	8.82	1.05	mg/kg		2
Iron	12900	20.9	mg/kg		2
Magnesium	2530	52.3	mg/kg		2
Manganese	469	1.05	mg/kg		2
Nickel	18.0	1.05	mg/kg		2
Potassium	1490	52.3	mg/kg		2
Selenium	BQL	1.05	mg/kg	U	2
Silver	BQL	0.627	mg/kg	U	2
Sodium	188	209	mg/kg	B	2
Thallium	BQL	2.09	mg/kg	U	2
Vanadium	9.70	1.05	mg/kg		2
Zinc	46.3	3.14	mg/kg		2

Summary of Analytical Results

Client ID AB0434
GPL ID: 9164-012-06-1
Matrix: Soil
Date Collected: Sep-26-2000
Date Received: Sep-27-2000

Prep Method: SW3050B
Prep Date: Oct-26-2000
Prep Time: 15:31
Prep Chemist: Teshome Tamitre

Analytical Method: SW6010B
Date Analyzed: Oct-28-2000
Time Analyzed 05:07
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Lead	20.7	0.627	mg/kg		2

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB0436
GPL ID: 9164-013-06-1
Matrix: Soil
Date Collected: Sep-26-2000
Date Received: Sep-27-2000

Prep Method: SW3050B
Prep Date: Oct-26-2000
Prep Time: 15:31
Prep Chemist: Teshome Tamitre

Analytical Method: SW6010B
Date Analyzed: Nov-01-2000
Time Analyzed 05:49
Analyst: Lewis Millholland

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	5490	43.7	mg/kg		2
Antimony	BQL	1.31	mg/kg	U	2
Arsenic	3.95	1.09	mg/kg		2
Barium	30.5	1.09	mg/kg		2
Beryllium	0.360	0.219	mg/kg		2
Cadmium	BQL	0.656	mg/kg	U	2
Calcium	35800	109	mg/kg		2
Chromium	8.44	1.09	mg/kg		2
Cobalt	6.29	1.09	mg/kg		2
Copper	11.1	1.09	mg/kg		2
Iron	13100	21.9	mg/kg		2
Magnesium	2230	54.7	mg/kg		2
Manganese	484	1.09	mg/kg		2
Nickel	18.4	1.09	mg/kg		2
Potassium	1250	54.7	mg/kg		2
Selenium	BQL	1.09	mg/kg	U	2
Silver	BQL	0.656	mg/kg	U	2
Sodium	196	219	mg/kg	B	2
Thallium	BQL	2.19	mg/kg	U	2
Vanadium	9.69	1.09	mg/kg		2
Zinc	55.1	3.28	mg/kg		2

Summary of Analytical Results

Client ID AB0436
GPL ID: 9164-013-06-1
Matrix: Soil
Date Collected: Sep-26-2000
Date Received: Sep-27-2000

Prep Method: SW3050B
Prep Date: Oct-26-2000
Prep Time: 15:31
Prep Chemist: Teshome Tamitre

Analytical Method: SW6010B
Date Analyzed: Oct-28-2000
Time Analyzed 05:27
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Lead	21.6	0.656	mg/kg		2

Summary of Analytical Results

Client ID AA3010
GPL ID: 9164-010-06-1
Matrix: Water
Date Collected: Sep-26-2000
Date Received: Sep-27-2000

Prep Method: SW7470A_DIG
Prep Date: Oct-09-2000
Prep Time: 13:00
Prep Chemist: Kelvin Choi

Analytical Method: SW7470A
Date Analyzed: Oct-10-2000
Time Analyzed 13:19
Analyst: Kelvin Choi

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	BQL	0.2	ug/L	U	1

Summary of Analytical Results

Client ID AA3011
GPL ID: 9164-011-06-1
Matrix: Water
Date Collected: Sep-26-2000
Date Received: Sep-27-2000

Prep Method: SW7470A_DIG
Prep Date: Oct-09-2000
Prep Time: 13:00
Prep Chemist: Kelvin Choi

Analytical Method: SW7470A
Date Analyzed: Oct-10-2000
Time Analyzed 13:27
Analyst: Kelvin Choi

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	BQL	0.2	ug/L	U	1

Summary of Analytical Results

Client ID AA3010 FILTERED
GPL ID: 9164-014-01-1
Matrix: Water
Date Collected: Sep-26-2000
Date Received: Sep-27-2000

Prep Method: SW7470A_DIG
Prep Date: Oct-09-2000
Prep Time: 13:00
Prep Chemist: Kelvin Choi

Analytical Method: SW7470A
Date Analyzed: Oct-10-2000
Time Analyzed 13:35
Analyst: Kelvin Choi

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	BQL	0.2	ug/L	U	1

Summary of Analytical Results

Client ID AA3011 FILTERED
GPL ID: 9164-015-01-1
Matrix: Water
Date Collected: Sep-26-2000
Date Received: Sep-27-2000

Prep Method: SW7470A_DIG
Prep Date: Oct-09-2000
Prep Time: 13:00
Prep Chemist: Kelvin Choi

Analytical Method: SW7470A
Date Analyzed: Oct-10-2000
Time Analyzed 13:37
Analyst: Kelvin Choi

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	BQL	0.2	ug/L	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AA0440
GPL ID: 9164-002-06-1
Matrix: Soil
Date Collected: Sep-26-2000
Date Received: Sep-27-2000

Prep Method: SW7471_DIG
Prep Date: Oct-16-2000
Prep Time: 11:50
Prep Chemist: Kelvin Choi

Analytical Method: SW7471A
Date Analyzed: Oct-17-2000
Time Analyzed 13:14
Analyst: Kelvin Choi

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	0.049	0.039	mg/kg		1

Summary of Analytical Results

Client ID AA0452
GPL ID: 9164-003-06-1
Matrix: Soil
Date Collected: Sep-26-2000
Date Received: Sep-27-2000

Prep Method: SW7471_DIG
Prep Date: Oct-16-2000
Prep Time: 11:50
Prep Chemist: Kelvin Choi

Analytical Method: SW7471A
Date Analyzed: Oct-17-2000
Time Analyzed 13:17
Analyst: Kelvin Choi

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	BQL	0.038	mg/kg	U	1

Summary of Analytical Results

Client ID AA0472
GPL ID: 9164-004-06-1
Matrix: Soil
Date Collected: Sep-26-2000
Date Received: Sep-27-2000

Prep Method: SW7471_DIG
Prep Date: Oct-16-2000
Prep Time: 11:50
Prep Chemist: Kelvin Choi

Analytical Method: SW7471A
Date Analyzed: Oct-17-2000
Time Analyzed 13:25
Analyst: Kelvin Choi

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	0.027	0.039	mg/kg	B	1

Summary of Analytical Results

Client ID AA0473
GPL ID: 9164-005-06-1
Matrix: Soil
Date Collected: Sep-26-2000
Date Received: Sep-27-2000

Prep Method: SW7471_DIG
Prep Date: Oct-16-2000
Prep Time: 11:50
Prep Chemist: Kelvin Choi

Analytical Method: SW7471A
Date Analyzed: Oct-17-2000
Time Analyzed 13:28
Analyst: Kelvin Choi

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	BQL	0.035	mg/kg	U	1

Summary of Analytical Results

Client ID AA0474
GPL ID: 9164-006-06-1
Matrix: Soil
Date Collected: Sep-26-2000
Date Received: Sep-27-2000

Prep Method: SW7471_DIG
Prep Date: Oct-16-2000
Prep Time: 11:50
Prep Chemist: Kelvin Choi

Analytical Method: SW7471A
Date Analyzed: Oct-17-2000
Time Analyzed 13:30
Analyst: Kelvin Choi

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	BQL	0.041	mg/kg	U	1

Summary of Analytical Results

Client ID AA0475
GPL ID: 9164-007-06-1
Matrix: Soil
Date Collected: Sep-26-2000
Date Received: Sep-27-2000

Prep Method: SW7471_DIG
Prep Date: Oct-16-2000
Prep Time: 11:50
Prep Chemist: Kelvin Choi

Analytical Method: SW7471A
Date Analyzed: Oct-17-2000
Time Analyzed 13:33
Analyst: Kelvin Choi

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	BQL	0.037	mg/kg	U	1

Summary of Analytical Results

Client ID AA0478
GPL ID: 9164-008-06-1
Matrix: Soil
Date Collected: Sep-26-2000
Date Received: Sep-27-2000

Prep Method: SW7471_DIG
Prep Date: Oct-16-2000
Prep Time: 11:50
Prep Chemist: Kelvin Choi

Analytical Method: SW7471A
Date Analyzed: Oct-17-2000
Time Analyzed 13:36
Analyst: Kelvin Choi

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	BQL	0.035	mg/kg	U	1

Summary of Analytical Results

Client ID AA0479
GPL ID: 9164-009-06-1
Matrix: Soil
Date Collected: Sep-26-2000
Date Received: Sep-27-2000

Prep Method: SW7471_DIG
Prep Date: Oct-16-2000
Prep Time: 11:50
Prep Chemist: Kelvin Choi

Analytical Method: SW7471A
Date Analyzed: Oct-17-2000
Time Analyzed 13:38
Analyst: Kelvin Choi

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	BQL	0.038	mg/kg	U	1

Summary of Analytical Results

Client ID AB0434
GPL ID: 9164-012-06-1
Matrix: Soil
Date Collected: Sep-26-2000
Date Received: Sep-27-2000

Prep Method: SW7471_DIG
Prep Date: Oct-16-2000
Prep Time: 11:50
Prep Chemist: Kelvin Choi

Analytical Method: SW7471A
Date Analyzed: Oct-17-2000
Time Analyzed 13:41
Analyst: Kelvin Choi

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	BQL	0.036	mg/kg	U	1

Summary of Analytical Results

Client ID AB0436
GPL ID: 9164-013-06-1
Matrix: Soil
Date Collected: Sep-26-2000
Date Received: Sep-27-2000

Prep Method: SW7471_DIG
Prep Date: Oct-16-2000
Prep Time: 11:50
Prep Chemist: Kelvin Choi

Analytical Method: SW7471A
Date Analyzed: Oct-17-2000
Time Analyzed 13:43
Analyst: Kelvin Choi

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	BQL	0.036	mg/kg	U	1

TOTAL METALS

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BLANKS

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 09164W

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Aluminum	23.1	U	23.1	U	26.7	B	23.1	U	24.401	B	P
Antimony	3.7	U	3.7	U	3.7	U	3.7	U	3.700	U	P
Arsenic	3.2	U	3.2	U	3.2	U	3.2	U	3.200	U	P
Barium	0.6	U	0.6	U	0.6	U	0.6	U	0.824	B	P
Beryllium	0.1	U	0.1	U	0.1	U	0.1	U	0.100	U	P
Cadmium	0.4	U	0.4	U	0.4	U	0.4	U	0.400	U	P
Calcium	104.0	U	104.0	U	104.0	U	104.0	U	142.067	B	P
Chromium	0.8	U	0.8	U	0.8	U	0.8	U	0.800	U	P
Cobalt	0.9	U	0.9	U	0.9	U	0.9	U	0.900	U	P
Copper	1.2	U	1.2	U	1.2	U	1.2	U	1.852	B	P
Iron	15.0	U	24.3	B	29.1	B	33.7	B	29.872	B	P
Lead	1.5	U	1.5	U	2.1	B	1.5	U	1.500	U	P
Magnesium	22.4	U	22.4	U	27.1	B	36.8	B	53.098	B	P
Manganese	0.4	U	0.4	U	0.4	U	0.4	U	0.400	U	P
Mercury	0.1	U	0.1	U	0.1	U	0.1	U	0.100	U	CV
Nickel	2.0	U	2.0	U	2.0	U	2.0	U	2.000	U	P
Potassium	9.1	U	9.1	U	17.8	B	9.1	U	38.963	B	P
Selenium	2.3	U	2.4	B	2.3	U	2.3	U	3.032	B	P
Silver	0.7	U	0.7	U	0.7	U	-0.7	B	0.700	U	P
Sodium	198.0	U	198.0	U	274.6	B	198.0	U	469.065	B	P
Thallium	5.5	U	5.5	U	5.5	U	5.5	U	5.500	U	P
Vanadium	0.9	U	0.9	U	0.9	U	0.9	U	0.900	U	P
Zinc	4.0	U	4.0	U	4.0	U	4.0	U	4.000	U	P

0 5017

TOTAL METALS

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BLANKS

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 09164W

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C		Preparation Blank	C		M
Aluminum			23.1	U	23.1	U	23.1	U					P
Antimony			3.7	U	3.7	U	3.7	U					P
Arsenic			3.2	U	3.2	U	3.2	U					P
Barium			0.6	U	0.6	U	0.6	U					P
Beryllium			0.1	U	0.1	U	0.1	U					P
Cadmium			0.4	U	0.4	U	0.4	U					P
Calcium			104.0	U	104.0	U	104.0	U					P
Chromium			0.8	U	1.5	B	0.8	U					P
Cobalt			0.9	U	0.9	U	0.9	U					P
Copper			1.2	U	1.3	B	1.2	U					P
Iron			21.6	B	29.5	B	15.0	U					P
Lead			1.6	B	1.7	B	1.5	U					P
Magnesium			22.4	U	24.0	B	22.4	U					P
Manganese			0.4	U	0.4	U	0.4	U					P
Mercury			0.1	U	0.1	U	0.1	U					CV
Nickel			2.0	U	2.0	U	2.0	U					P
Potassium			11.5	B	20.3	B	14.3	B					P
Selenium			2.3	U	2.3	U	2.3	U					P
Silver			0.7	U	0.8	B	0.7	U					P
Sodium			198.0	U	302.7	B	198.0	U					P
Thallium			5.5	U	5.5	U	5.5	U					P
Vanadium			0.9	U	0.9	U	0.9	U					P
Zinc			4.0	U	4.0	U	4.0	U					P

0 5018

TOTAL METALS

-3-

BLANKS

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 09164W

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Aluminum			23.1	U	40.4	B	23.1	U			P
Antimony			3.7	U	3.7	U	3.7	U			P
Arsenic			3.2	U	3.2	U	3.2	U			P
Barium			0.6	U	0.6	U	0.6	U			P
Beryllium			0.1	U	0.1	U	0.1	U			P
Cadmium			0.4	U	0.4	U	0.4	U			P
Calcium			104.0	U	104.0	U	104.0	U			P
Chromium			0.8	U	0.8	U	0.8	U			P
Cobalt			0.9	U	0.9	U	0.9	U			P
Copper			1.2	U	1.2	U	1.2	U			P
Iron			31.3	B	34.9	B	23.1	B			P
Lead			1.5	U	1.5	U	1.5	U			P
Magnesium			34.4	B	54.1	B	31.7	B			P
Manganese			0.4	U	0.4	U	0.4	U			P
Mercury			0.1	U							CV
Nickel			2.0	U	2.0	U	2.0	U			P
Potassium			11.9	B	16.0	B	9.1	U			P
Selenium			2.3	U	2.3	U	2.3	U			P
Silver			0.7	U	0.7	U	0.7	U			P
Sodium			198.0	U	214.2	B	198.0	U			P
Thallium			5.5	U	5.5	U	5.5	U			P
Vanadium			0.9	U	1.2	B	0.9	U			P
Zinc			4.0	U	4.0	U	4.0	U			P

0 5019

TOTAL METALS

-3-

BLANKS

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 09164W

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Aluminum			23.1	U	23.1	U	23.1	U			P
Antimony			3.7	U	3.7	U	3.7	U			P
Arsenic			3.2	U	3.2	U	3.2	U			P
Barium			0.6	U	0.6	U	0.6	U			P
Beryllium			0.1	U	0.1	U	0.1	U			P
Cadmium			0.4	U	0.4	U	0.4	U			P
Calcium			104.0	U	104.0	U	104.0	U			P
Chromium			1.0	B	1.1	B	0.8	U			P
Cobalt			0.9	U	0.9	U	0.9	U			P
Copper			1.4	B	1.6	B	1.2	U			P
Iron			43.6	B	43.4	B	15.3	B			P
Lead			1.5	U	2.1	B	1.8	B			P
Magnesium			52.0	B	38.8	B	27.7	B			P
Manganese			0.4	U	0.9	B	0.4	U			P
Nickel			2.0	U	2.0	U	2.0	U			P
Potassium			20.2	B	16.6	B	16.8	B			P
Selenium			2.3	U	2.3	U	2.3	U			P
Silver			0.7	U	0.8	B	0.7	U			P
Sodium			198.0	U	209.2	B	249.4	B			P
Thallium			5.5	U	5.5	U	5.5	U			P
Vanadium			0.9	U	1.4	B	0.9	U			P
Zinc			4.0	U	4.0	U	4.0	U			P

0 5020

TOTAL METALS

-3-

BLANKS

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 09164W

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Aluminum			23.1	U	34.1	B	36.6	B			P
Antimony			3.7	U	3.7	U	3.7	U			P
Arsenic			3.2	U	3.2	U	3.2	U			P
Barium			0.6	U	0.6	U	0.6	U			P
Beryllium			0.1	U	0.1	U	0.1	U			P
Cadmium			0.4	U	0.4	U	0.4	U			P
Calcium			104.0	U	104.0	U	104.0	U			P
Chromium			0.8	U	0.8	U	1.0	B			P
Cobalt			0.9	U	0.9	U	0.9	U			P
Copper			1.2	U	1.2	U	1.2	U			P
Iron			15.0	U	21.7	B	30.0	B			P
Lead			1.5	U	1.5	U	1.5	U			P
Magnesium			24.3	B	22.4	U	30.4	B			P
Manganese			0.4	U	0.4	U	0.4	U			P
Nickel			2.0	U	2.0	U	2.0	U			P
Potassium			10.1	B	11.2	B	14.5	B			P
Selenium			2.3	U	2.3	U	2.3	U			P
Silver			0.7	U	0.7	U	0.7	U			P
Sodium			198.0	U	198.0	U	206.9	B			P
Thallium			5.5	U	5.5	U	5.5	U			P
Vanadium			0.9	U	0.9	U	0.9	U			P
Zinc			4.0	U	4.0	U	4.0	U			P

0 5021

TOTAL METALS

-3-

BLANKS

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 09164W

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Aluminum			29.8	B	50.9	B					P
Antimony			3.7	U	3.7	U					P
Arsenic			3.2	U	3.2	U					P
Barium			0.6	U	0.6	U					P
Beryllium			0.1	B	0.1	U					P
Cadmium			0.4	U	0.4	U					P
Calcium			104.0	U	104.0	U					P
Chromium			0.8	U	0.8	U					P
Cobalt			1.1	B	0.9	U					P
Copper			1.2	U	1.2	U					P
Iron			30.3	B	41.9	B					P
Lead			1.5	U	1.6	B					P
Magnesium			31.7	B	58.3	B					P
Manganese			0.4	U	0.4	U					P
Nickel			2.0	U	2.0	U					P
Potassium			25.1	B	26.4	B					P
Selenium			2.3	U	2.3	U					P
Silver			0.7	U	0.7	U					P
Sodium			338.1	B	289.4	B					P
Thallium			5.5	U	5.5	U					P
Vanadium			0.9	U	0.9	U					P
Zinc			4.0	U	4.0	U					P

0 5022

TOTAL METALS
-5A-
SPIKE SAMPLE RECOVERY

SAMPLE NO.

AA3010S

Contract:

Lab Code: Case No.: SAS SDG NO.: 09164W

Matrix (soil/water): WATER Level (low/med): LOW

% Solids for Sample: 0.0

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

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Mercury	75 - 125	1.0300		0.1000	U	1.00	103.0		CV

Comments:

0 5024

TOTAL METALS
-5A-
SPIKE SAMPLE RECOVERY

SAMPLE NO.

AA3010 FILTEREDS

Contract:

Lab Code: Case No.: SAS SDG NO.: 09164W

Matrix (soil/water): WATER Level (low/med): LOW

% Solids for Sample: 0.0

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

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum	75 - 125	2074.1018		38.4107	B	2000.00	101.8		P
Antimony	75 - 125	103.7720		3.7000	U	100.00	103.8		P
Arsenic	75 - 125	46.0156		3.2000	U	40.00	115.0		P
Barium	75 - 125	2063.4946		22.2003		2000.00	102.1		P
Beryllium	75 - 125	51.1654		0.1000	U	50.00	102.3		P
Cadmium	75 - 125	51.0776		0.7018	B	50.00	100.8		P
Calcium		245240.7031		240205.2188		5000.00	100.7		P
Chromium	75 - 125	207.9657		0.8000	U	200.00	104.0		P
Cobalt	75 - 125	511.5410		5.4231		500.00	101.2		P
Copper	75 - 125	260.7805		3.5210	B	250.00	102.9		P
Iron	75 - 125	1022.3316		39.1288	B	1000.00	98.3		P
Lead	75 - 125	20.8431		2.0254	B	20.00	94.1		P
Magnesium	75 - 125	24396.7324		19341.6953		5000.00	101.1		P
Manganese		2553.7593		2058.1167		500.00	99.1		P
Nickel	75 - 125	517.9238		8.8355		500.00	101.8		P
Potassium	75 - 125	3324.7249		2205.1667		1000.00	112.0		P
Selenium	75 - 125	60.4324		2.3000	U	60.00	100.7		P
Silver	75 - 125	53.7477		0.7000	U	50.00	107.5		P
Sodium	75 - 125	12048.0908		7387.7813		5000.00	93.2		P
Thallium	75 - 125	50.7108		5.5000	U	50.00	101.4		P
Vanadium	75 - 125	522.1801		0.9000	U	500.00	104.4		P
Zinc	75 - 125	532.0419		24.9970		500.00	101.4		P

Comments:

0 5025

TOTAL METALS

-6-

DUPLICATES

SAMPLE NO.

AA3010 FILTEREDD

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 09164W

Matrix (soil/water): WATER Level (low/med): LOW

% Solids for Sample: 0.0 % Solids for Duplicate:

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

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum		38.4107	B	37.4634	B	2.5		P
Antimony		3.7000	U	3.7000	U			P
Arsenic		3.2000	U	3.2000	U			P
Barium	5.0	22.2003		22.0228		0.8		P
Beryllium		0.1000	U	0.1000	U			P
Cadmium		0.7018	B	0.8027	B	13.4		P
Calcium		240205.2188		239342.1094		0.4		P
Chromium		0.8000	U	0.8000	U			P
Cobalt	5.0	5.4231		5.8447		7.5		P
Copper		3.5210	B	2.6613	B	27.8		P
Iron		39.1288	B	32.8690	B	17.4		P
Lead		2.0254	B	1.5000	U	200.0		P
Magnesium		19341.6953		19287.3047		0.3		P
Manganese		2058.1167		2054.3992		0.2		P
Nickel	5.0	8.8355		8.6014		2.7		P
Potassium		2205.1667		2204.6338		0.0		P
Selenium		2.3000	U	2.3000	U			P
Silver		0.7000	U	0.7712	B	200.0		P
Sodium		7387.7813		7057.3320		4.6		P
Thallium		5.5000	U	5.5000	U			P
Vanadium		0.9000	U	1.0004	B	200.0		P
Zinc	20.0	24.9970		25.2066		0.8		P

0 5026

TOTAL METALS

-6-

DUPLICATES

SAMPLE NO.

AA3010D

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 09164W

Matrix (soil/water): WATER Level (low/med): LOW

% Solids for Sample: 0.0 % Solids for Duplicate:

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

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Mercury		0.1000	U	0.1000	U			CV

0 5027

TOTAL METALS
-7-
LABORATORY CONTROL SAMPLE

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 09164W

Solid LCS Source:

Aqueous LCS Source: HIGH PURITY

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits	%R
Aluminum	2000.0	1993.75	99.7					
Antimony	100.0	99.49	99.5					
Arsenic	40.0	39.76	99.4					
Barium	2000.0	1973.75	98.7					
Beryllium	50.0	49.94	99.9					
Cadmium	50.0	49.77	99.5					
Calcium	5000.0	4840.35	96.8					
Chromium	200.0	202.69	101.3					
Cobalt	500.0	495.27	99.1					
Copper	250.0	250.54	100.2					
Iron	1000.0	978.62	97.9					
Lead	20.0	20.70	103.5					
Magnesium	5000.0	4964.88	99.3					
Manganese	500.0	492.06	98.4					
Mercury	1.0	1.02	102.0					
Nickel	500.0	500.96	100.2					
Potassium	1000.0	1049.83	105.0					
Selenium	60.0	62.90	104.8					
Silver	50.0	50.15	100.3					
Sodium	5000.0	5102.94	102.1					
Thallium	50.0	50.36	100.7					
Vanadium	500.0	503.62	100.7					
Zinc	500.0	502.88	100.6					

0 5028

TOTAL METALS

-3-

BLANKS

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 09164S

Preparation Blank Matrix (soil/water): SOIL

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Lead	1.3	U	1.3	U	1.3	B	1.3	U	0.130	U	P
Mercury	0.1	U	0.1	U	0.1	U	0.1	U	0.025	B	CV

0 5070

TOTAL METALS

-3-

BLANKS

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 09164S

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Lead			1.3	U	1.3	U	1.3	U			P
Mercury			0.1	U	0.1	U	0.1	U			CV

0 5071

TOTAL METALS

-3-

BLANKS

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 09164S

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Lead			1.3	U	1.3	U	1.3	U			P
Mercury			0.1	U							CV

0 5072

TOTAL METALS

-3-

BLANKS

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 09164S

Preparation Blank Matrix (soil/water): SOIL

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Aluminum	55.2	U	55.2	U	55.2	U	55.2	U	5.520	U	P
Antimony	2.7	U	2.7	U	2.7	U	2.7	U	0.270	U	P
Arsenic	4.0	U	4.0	U	4.0	U	4.0	U	0.400	U	P
Barium	0.5	U	0.5	U	0.5	U	0.5	U	0.087	B	P
Beryllium	0.1	U	0.1	U	0.1	U	0.1	U	0.010	U	P
Cadmium	0.4	U	0.4	U	0.4	U	0.4	U	0.057	B	P
Calcium	140.0	U	140.0	U	140.0	U	140.0	U	24.501	B	P
Chromium	0.6	U	0.6	U	0.6	U	0.6	U	0.060	U	P
Cobalt	1.3	U	1.3	U	1.3	U	1.3	U	0.130	U	P
Copper	1.0	U	1.0	U	1.0	U	1.0	B	0.386	B	P
Iron	17.7	U	24.3	B	29.1	B	33.7	B	2.120	B	P
Magnesium	6.0	U	20.4	B	27.1	B	36.8	B	3.869	B	P
Manganese	0.2	U	0.2	U	0.2	B	0.2	B	0.105	B	P
Nickel	1.0	U	1.0	U	1.1	B	1.0	U	0.100	U	P
Potassium	11.9	U	11.9	U	17.8	B	11.9	U	6.554	B	P
Selenium	3.3	U	3.3	U	3.3	U	3.3	U	0.330	U	P
Silver	1.8	U	1.8	U	1.8	U	1.8	U	0.180	U	P
Sodium	250.0	U	250.0	U	274.6	B	250.0	U	84.398	B	P
Thallium	5.0	U	5.0	U	5.0	U	5.0	U	0.500	U	P
Vanadium	1.1	U	1.1	U	1.1	U	1.1	U	0.110	U	P
Zinc	4.2	U	4.2	U	4.2	U	4.2	U	0.558	B	P

0 5073

TOTAL METALS

-3-

BLANKS

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 09164S

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Aluminum			55.2	U	55.2	U	55.2	U			P
Antimony			2.7	U	2.7	U	2.7	U			P
Arsenic			4.0	U	4.0	U	4.0	U			P
Barium			0.5	U	0.5	U	0.5	U			P
Beryllium			0.1	U	0.1	U	0.1	U			P
Cadmium			0.4	U	0.4	U	0.4	U			P
Calcium			140.0	U	140.0	U	140.0	U			P
Chromium			0.6	U	1.5	B	0.6	U			P
Cobalt			1.3	U	1.3	U	1.3	U			P
Copper			1.0	U	1.3	B	1.0	U			P
Iron			21.6	B	29.5	B	17.7	U			P
Magnesium			22.0	B	24.0	B	21.2	B			P
Manganese			0.2	U	0.2	U	0.2	U			P
Nickel			1.0	U	1.1	B	1.0	U			P
Potassium			11.9	U	20.3	B	14.3	B			P
Selenium			3.3	U	3.3	U	3.3	U			P
Silver			1.8	U	1.8	U	1.8	U			P
Sodium			250.0	U	302.7	B	250.0	U			P
Thallium			5.0	U	5.0	U	5.0	U			P
Vanadium			1.1	U	1.1	U	1.1	U			P
Zinc			4.2	U	4.2	U	4.2	U			P

0 5074

TOTAL METALS

-3-

BLANKS

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 09164S

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Aluminum			55.2	U	55.2	U	55.2	U			P
Antimony			2.7	U	2.7	U	-2.8	B			P
Arsenic			4.0	U	4.0	U	4.0	U			P
Barium			0.5	U	0.5	U	0.5	U			P
Beryllium			0.1	U	0.1	U	0.1	U			P
Cadmium			0.4	U	0.4	U	0.4	U			P
Calcium			140.0	U	140.0	U	140.0	U			P
Chromium			0.8	B	0.6	U	0.6	U			P
Cobalt			1.3	U	1.3	U	1.3	U			P
Copper			1.1	B	1.0	U	1.0	U			P
Iron			31.3	B	34.9	B	23.1	B			P
Magnesium			34.4	B	54.1	B	31.7	B			P
Manganese			0.2	U	0.2	U	0.2	U			P
Nickel			1.0	B	1.0	U	1.0	U			P
Potassium			11.9	U	16.0	B	11.9	U			P
Selenium			3.3	U	3.3	U	3.3	U			P
Silver			1.8	U	1.8	U	1.8	U			P
Sodium			250.0	U	250.0	U	250.0	U			P
Thallium			5.0	U	5.0	U	5.0	U			P
Vanadium			1.1	U	1.2	B	1.1	U			P
Zinc			4.2	U	4.2	U	4.2	U			P

TOTAL METALS

-3-

BLANKS

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 09164S

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Aluminum			55.2	U							P
Antimony			2.7	U							P
Arsenic			4.0	U							P
Barium			0.5	U							P
Beryllium			0.1	U							P
Cadmium			0.4	U							P
Calcium			140.0	U							P
Chromium			1.0	B							P
Cobalt			1.3	U							P
Copper			1.4	B							P
Iron			43.6	B							P
Magnesium			52.0	B							P
Manganese			0.3	B							P
Nickel			1.5	B							P
Potassium			20.2	B							P
Selenium			3.3	U							P
Silver			1.8	U							P
Sodium			250.0	U							P
Thallium			5.4	B							P
Vanadium			1.1	U							P
Zinc			4.2	U							P

0 5076

TOTAL METALS
-5A-
SPIKE SAMPLE RECOVERY

SAMPLE NO.

0009165-30S

Contract:

Lab Code: Case No.: SAS SDG NO.: 09164S

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 74.9

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

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Mercury	75 - 125	0.6148		0.0169	U	0.60	103.0		CV

Comments:

0 5079

TOTAL METALS
-5A-
SPIKE SAMPLE RECOVERY

SAMPLE NO.

9128-002-03-1S

Contract:

Lab Code: Case No.: SAS SDG NO.: 09164S

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 92.3

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

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum	75 - 125	4835.6658		2264.4647		2044.20	125.8	N	P
Antimony	75 - 125	13.0661		0.5572	U	20.44	63.9	N	P
Arsenic	75 - 125	15.2968		5.5793		10.22	95.1		P
Barium	75 - 125	158.0069		62.9652		102.21	93.0		P
Beryllium	75 - 125	10.6921		0.2180		10.22	102.5		P
Cadmium	75 - 125	11.1063		1.0036		10.22	98.9		P
Calcium	75 - 125	6218.1341		3686.3140		1022.10	247.7	N	P
Chromium	75 - 125	59.6611		11.7113		40.88	117.3		P
Cobalt	75 - 125	103.4950		2.9898		102.21	98.3		P
Copper	75 - 125	73.8816		20.3634		51.10	104.7		P
Iron		14224.7782		12920.2523		2044.20	63.8		P
Lead	75 - 125	394.4133		392.2973		102.21	2.1	N	P
Magnesium	75 - 125	1945.2632		792.1860		1022.10	112.8		P
Manganese	75 - 125	484.5269		371.7537		102.21	110.3		P
Nickel	75 - 125	111.0538		9.3786		102.21	99.5		P
Potassium	75 - 125	1459.8188		438.3388		1022.10	99.9		P
Selenium	75 - 125	9.6993		0.6810	U	10.22	94.9		P
Silver	75 - 125	10.3839		0.3715	U	10.22	101.6		P
Sodium	75 - 125	1214.2658		166.7517	B	1022.10	102.5		P
Thallium	75 - 125	9.1806		1.0318	U	10.22	89.8		P
Vanadium	75 - 125	109.3643		6.5447		102.21	100.6		P
Zinc	75 - 125	296.8575		185.6581		102.21	108.8		P

Comments:

0 5080

TOTAL METALS

-6-

DUPLICATES

SAMPLE NO.

0009165-30D

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 09164S

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 74.9 % Solids for Duplicate: 74.9

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

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Mercury		0.0169	U	0.0183	U			CV

0 5082

TOTAL METALS

-6-

DUPLICATES

SAMPLE NO.

9128-002-03-1D

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 09164S

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 92.3 % Solids for Duplicate: 92.3

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

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum		2264.4647		2030.4556		10.9		P
Antimony		0.5572	U	0.8644	B	200.0		P
Arsenic		5.5793		5.6817		1.8		P
Barium		62.9652		45.7077		31.8	*	P
Beryllium	0.2	0.2180		0.2099		3.8		P
Cadmium	0.6	1.0036		0.7977		22.9		P
Calcium		3686.3140		2938.3115		22.6	*	P
Chromium		11.7113		9.7694		18.1		P
Cobalt	1.0	2.9898		2.7535		8.2		P
Copper		20.3634		20.4537		0.4		P
Iron		12920.2523		15588.6304		18.7		P
Lead		392.2973		161.7460		83.2	*	P
Magnesium		792.1860		685.9116		14.4		P
Manganese		371.7537		366.4808		1.4		P
Nickel		9.3786		8.7061		7.4		P
Potassium		438.3388		437.7791		0.1		P
Selenium		0.6810	U	0.6746	U			P
Silver		0.3715	U	0.3680	U			P
Sodium	204.4	166.7517	B	204.4901	B	20.3		P
Thallium		1.0318	U	1.0221	U			P
Vanadium		6.5447		6.4524		1.4		P
Zinc		185.6581		185.6820		0.0		P

0 5083

TOTAL METALS

-7-

LABORATORY CONTROL SAMPLE

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 09164S

Solid LCS Source: HIGH PURITY

Aqueous LCS Source:

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Lead				100.0	104.3		80.0	120.0	104.3
Mercury				0.5	0.5		0.4	0.6	106.7

0 5984

TOTAL METALS
-7-
LABORATORY CONTROL SAMPLE

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 09164S

Solid LCS Source: HIGH PURITY

Aqueous LCS Source:

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Aluminum				2000.0	2048.5		1600.0	2400.0	102.4
Antimony				20.0	20.0		16.0	24.0	100.2
Arsenic				10.0	10.2		8.0	12.0	101.8
Barium				100.0	102.5		80.0	120.0	102.5
Beryllium				10.0	10.4		8.0	12.0	104.4
Cadmium				10.0	10.2		8.0	12.0	101.9
Calcium				1000.0	985.1		800.0	1200.0	98.5
Chromium				40.0	41.4		32.0	48.0	103.4
Cobalt				100.0	100.9		80.0	120.0	100.9
Copper				50.0	51.9		40.0	60.0	103.9
Iron				2000.0	1998.6		1600.0	2400.0	99.9
Magnesium				1000.0	1003.6		800.0	1200.0	100.4
Manganese				100.0	102.9		80.0	120.0	102.8
Nickel				100.0	102.6		80.0	120.0	102.5
Potassium				1000.0	1007.3		800.0	1200.0	100.7
Selenium				10.0	10.4		8.0	12.0	104.1
Silver				10.0	10.1		8.0	12.0	101.2
Sodium				1000.0	1151.9		800.0	1200.0	115.2
Thallium				10.0	10.4		8.0	12.0	104.4
Vanadium				100.0	102.3		80.0	120.0	102.3
Zinc				100.0	102.1		80.0	120.0	102.1

0 5085

Summary of Analytical Results

Client ID AA3010
GPL ID: 9164-010-09-1/2
Matrix: Water
Date Collected: Sep-26-2000
Date Received: Sep-27-2000

Prep Method: SW3520C
Prep Date: Oct-02-2000
Prep Time: 14:12
Prep Chemist: Veena Telhan

Analytical Method: SW8082
Date Analyzed: Oct-10-2000
Time Analyzed 14:16
Analyst: Philipos Yosief

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	1.08	ug/L	U	1
PCB-1221	BQL	1.08	ug/L	U	1
PCB-1232	BQL	1.08	ug/L	U	1
PCB-1242	BQL	1.08	ug/L	U	1
PCB-1248	BQL	1.08	ug/L	U	1
PCB-1254	BQL	1.08	ug/L	U	1
PCB-1260	BQL	2.15	ug/L	U	1

Summary of Analytical Results

Client ID AA3011
GPL ID: 9164-011-09-1/2
Matrix: Water
Date Collected: Sep-26-2000
Date Received: Sep-27-2000

Prep Method: SW3520C
Prep Date: Oct-02-2000
Prep Time: 14:12
Prep Chemist: Veena Telhan

Analytical Method: SW8082
Date Analyzed: Oct-10-2000
Time Analyzed 14:44
Analyst: Philipos Yosief

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	1.09	ug/L	U	1
PCB-1221	BQL	1.09	ug/L	U	1
PCB-1232	BQL	1.09	ug/L	U	1
PCB-1242	BQL	1.09	ug/L	U	1
PCB-1248	BQL	1.09	ug/L	U	1
PCB-1254	BQL	1.09	ug/L	U	1
PCB-1260	BQL	2.17	ug/L	U	1

Summary of Analytical Results

Client ID AA0440
GPL ID: 9164-002-05-1
Matrix: Soil
Date Collected: Sep-26-2000
Date Received: Sep-27-2000

Prep Method: SW3550
Prep Date: Oct-02-2000
Prep Time: 00:00
Prep Chemist: Rekha Patel

Analytical Method: SW8082
Date Analyzed: Oct-23-2000
Time Analyzed 08:42
Analyst: Philipos Yosief

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	807	ug/kg	U	20
PCB-1221	BQL	807	ug/kg	U	20
PCB-1232	BQL	807	ug/kg	U	20
PCB-1242	BQL	807	ug/kg	U	20
PCB-1248	BQL	807	ug/kg	U	20
PCB-1254	BQL	807	ug/kg	U	20
PCB-1260	5550	1610	ug/kg	D	20

Summary of Analytical Results

Client ID AA0452
GPL ID: 9164-003-05-1
Matrix: Soil
Date Collected: Sep-26-2000
Date Received: Sep-27-2000

Prep Method: SW3550
Prep Date: Oct-02-2000
Prep Time: 00:00
Prep Chemist: Rekha Patel

Analytical Method: SW8082
Date Analyzed: Oct-08-2000
Time Analyzed 20:15
Analyst: Philipos Yosief

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	39.5	ug/kg	U	1
PCB-1221	BQL	39.5	ug/kg	U	1
PCB-1232	BQL	39.5	ug/kg	U	1
PCB-1242	BQL	39.5	ug/kg	U	1
PCB-1248	BQL	39.5	ug/kg	U	1
PCB-1254	BQL	39.5	ug/kg	U	1
PCB-1260	48.6	79	ug/kg	J	1

Summary of Analytical Results

Client ID AA0472
GPL ID: 9164-004-05-1
Matrix: Soil
Date Collected: Sep-26-2000
Date Received: Sep-27-2000

Prep Method: SW3550
Prep Date: Oct-02-2000
Prep Time: 00:00
Prep Chemist: Rekha Patel

Analytical Method: SW8082
Date Analyzed: Oct-08-2000
Time Analyzed 20:42
Analyst: Philipos Yosief

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	41.3	ug/kg	U	1
PCB-1221	BQL	41.3	ug/kg	U	1
PCB-1232	BQL	41.3	ug/kg	U	1
PCB-1242	BQL	41.3	ug/kg	U	1
PCB-1248	BQL	41.3	ug/kg	U	1
PCB-1254	BQL	41.3	ug/kg	U	1
PCB-1260	BQL	82.7	ug/kg	U	1

Summary of Analytical Results

Client ID AA0473
GPL ID: 9164-005-05-1
Matrix: Soil
Date Collected: Sep-26-2000
Date Received: Sep-27-2000

Prep Method: SW3550
Prep Date: Oct-02-2000
Prep Time: 00:00
Prep Chemist: Rekha Patel

Analytical Method: SW8082
Date Analyzed: Oct-08-2000
Time Analyzed 21:09
Analyst: Philipos Yosief

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	40.6	ug/kg	U	1
PCB-1221	BQL	40.6	ug/kg	U	1
PCB-1232	BQL	40.6	ug/kg	U	1
PCB-1242	BQL	40.6	ug/kg	U	1
PCB-1248	BQL	40.6	ug/kg	U	1
PCB-1254	BQL	40.6	ug/kg	U	1
PCB-1260	BQL	81.2	ug/kg	U	1

Summary of Analytical Results

Client ID AA0474
GPL ID: 9164-006-05-1
Matrix: Soil
Date Collected: Sep-26-2000
Date Received: Sep-27-2000

Prep Method: SW3550
Prep Date: Oct-02-2000
Prep Time: 00:00
Prep Chemist: Rekha Patel

Analytical Method: SW8082
Date Analyzed: Oct-08-2000
Time Analyzed 21:37
Analyst: Philipos Yosief

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	41.3	ug/kg	U	1
PCB-1221	BQL	41.3	ug/kg	U	1
PCB-1232	BQL	41.3	ug/kg	U	1
PCB-1242	BQL	41.3	ug/kg	U	1
PCB-1248	BQL	41.3	ug/kg	U	1
PCB-1254	BQL	41.3	ug/kg	U	1
PCB-1260	BQL	82.6	ug/kg	U	1

Summary of Analytical Results

Client ID AA0475
GPL ID: 9164-007-05-1
Matrix: Soil
Date Collected: Sep-26-2000
Date Received: Sep-27-2000

Prep Method: SW3550
Prep Date: Oct-02-2000
Prep Time: 00:00
Prep Chemist: Rekha Patel

Analytical Method: SW8082
Date Analyzed: Oct-08-2000
Time Analyzed 22:04
Analyst: Philipos Yosief

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	37.8	ug/kg	U	1
PCB-1221	BQL	37.8	ug/kg	U	1
PCB-1232	BQL	37.8	ug/kg	U	1
PCB-1242	BQL	37.8	ug/kg	U	1
PCB-1248	BQL	37.8	ug/kg	U	1
PCB-1254	BQL	37.8	ug/kg	U	1
PCB-1260	BQL	75.6	ug/kg	U	1

Summary of Analytical Results

Client ID AA0478
GPL ID: 9164-008-05-1
Matrix: Soil
Date Collected: Sep-26-2000
Date Received: Sep-27-2000

Prep Method: SW3550
Prep Date: Oct-02-2000
Prep Time: 00:00
Prep Chemist: Rekha Patel

Analytical Method: SW8082
Date Analyzed: Oct-08-2000
Time Analyzed 22:31
Analyst: Philipos Yosief

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	38.4	ug/kg	U	1
PCB-1221	BQL	38.4	ug/kg	U	1
PCB-1232	BQL	38.4	ug/kg	U	1
PCB-1242	BQL	38.4	ug/kg	U	1
PCB-1248	BQL	38.4	ug/kg	U	1
PCB-1254	BQL	38.4	ug/kg	U	1
PCB-1260	BQL	76.8	ug/kg	U	1

Summary of Analytical Results

Client ID AA0479
GPL ID: 9164-009-05-1
Matrix: Soil
Date Collected: Sep-26-2000
Date Received: Sep-27-2000

Prep Method: SW3550
Prep Date: Oct-02-2000
Prep Time: 00:00
Prep Chemist: Rekha Patel

Analytical Method: SW8082
Date Analyzed: Oct-08-2000
Time Analyzed 22:59
Analyst: Philipos Yosief

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	40.2	ug/kg	U	1
PCB-1221	BQL	40.2	ug/kg	U	1
PCB-1232	BQL	40.2	ug/kg	U	1
PCB-1242	BQL	40.2	ug/kg	U	1
PCB-1248	BQL	40.2	ug/kg	U	1
PCB-1254	BQL	40.2	ug/kg	U	1
PCB-1260	BQL	80.4	ug/kg	U	1

Summary of Analytical Results

Client ID AB0434
GPL ID: 9164-012-05-1
Matrix: Soil
Date Collected: Sep-26-2000
Date Received: Sep-27-2000

Prep Method: SW3550
Prep Date: Oct-02-2000
Prep Time: 00:00
Prep Chemist: Rekha Patel

Analytical Method: SW8082
Date Analyzed: Oct-09-2000
Time Analyzed 00:21
Analyst: Philipos Yosief

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	37.3	ug/kg	U	1
PCB-1221	BQL	37.3	ug/kg	U	1
PCB-1232	BQL	37.3	ug/kg	U	1
PCB-1242	BQL	37.3	ug/kg	U	1
PCB-1248	BQL	37.3	ug/kg	U	1
PCB-1254	72.1	37.3	ug/kg		1
PCB-1260	BQL	74.5	ug/kg	U	1

Summary of Analytical Results

Client ID AB0436
GPL ID: 9164-013-05-1
Matrix: Soil
Date Collected: Sep-26-2000
Date Received: Sep-27-2000

Prep Method: SW3550
Prep Date: Oct-02-2000
Prep Time: 00:00
Prep Chemist: Rekha Patel

Analytical Method: SW8082
Date Analyzed: Oct-09-2000
Time Analyzed 00:48
Analyst: Philipos Yosief

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	37.5	ug/kg	U	1
PCB-1221	BQL	37.5	ug/kg	U	1
PCB-1232	BQL	37.5	ug/kg	U	1
PCB-1242	BQL	37.5	ug/kg	U	1
PCB-1248	BQL	37.5	ug/kg	U	1
PCB-1254	460	37.5	ug/kg		1
PCB-1260	BQL	74.9	ug/kg	U	1

2F
SOIL PESTICIDE SURROGATE RECOVERY

Lab Name: GPL LABORATORIES Contract: DAMES & MOOR

Lab Code: GPLL Case No.: 10025 SAS No.: N/A SDG No.: N/A

GC Column (1) : RTx-CLP ID: 0.32 (mm) GC Column (2) : RTx-CLP2 ID: 0.32 (mm)

	CLIENT SAMPLE ID	TCX 1 %REC #	TCX 2 %REC #	DCB 1 %REC #	DCB 2 %REC #	TOT OUT
01	BLK-7099	108	107	148	102	0
02	BKS7099	107	105	152	103	0
03	AA0452	87	86	130	77	0
04	AA0472	95	95	139	86	0
05	AA0473	87	90	111	79	0
06	AA0474	92	91	133	89	0
07	AA0475	94	83	131	91	0
08	AA0478	134	81	129	99	0
09	AA0479	236*	53	145	105	1
10	AB0434	85	73	121	81	0
11	AB0436	89	75	127	86	0
12	AA0472 MS	91	92	126	88	0
13	AA0472 MSD	93	98	125	88	0
14	AA0440 DL	2 D	6 D	26 D	16 D	0

			ADVISORY QC LIMITS
TCX	=	Tetrachloro-m-xylene	(19-191)
DCB	=	Decachlorobiphenyl	(21-155)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogate diluted out

2E
WATER PESTICIDE SURROGATE RECOVERY

Lab Name: GPL LABORATORIES, LLLP Project: IT CORPORATIO

Lab Code: GPL WO No.: 9164 SAS No.: N/A SDG No.: N/A

GC Column (1) : RTx-5 ID: 0.53 (mm) GC Column (2) : RTx-1701 ID: 0.53 (mm)

	CLIENT SAMPLE ID	TCX 1 %REC #	TCX 2 %REC #	DCB 1 %REC #	DCB 2 %REC #	TOT OUT
01	BLK7106	84	91	92	96	0
02	BKS7106	79	79	83	83	0
03	AA3011	0*	0*	17*	21*	4
04	AA3010	0*	0*	33	35	2

			ADVISORY QC LIMITS
TCX	=	Tetrachloro-m-xylene	(23-112)
DCB	=	Decachlorobiphenyl	(21-134)

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate diluted out

0 3004

3E

SOIL PCB's MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: GPL Laboratories Client: IT_CORPORATION

Lab Code: GPL Case No.: 9164 SAS No.: N/A SDG No.: N/A

EPA Sample No.: AA0472 MS/MSD GP ID: 9164-004MS/MSD

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENTRATION (ug/kg)	MS CONCENTRATION (ug/kg)	MS % REC	QC LIMITS REC.
AR 1016	207	0	220	105	58-133
AR 1260	414	0	310	74	40-159

COMPOUND	SPIKE ADDED (ug/kg)	MSD CONCENTRATION (ug/kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC.
AR 1016	206	240	114	9	20	58-133
AR 1260	413	330	80	7	15	40-159

* Value outside of QC limits

RPD: 0 of 2 outside limits.

Spike Recovery: 0 of 4 outside limits.

COMMENTS:

3E
SOIL LABORATORY CONTROL SPIKE RECOVERY

Lab Name: GPL Laboratories | Client: IT_CORPORATION

Lab Code: GPL | Case No.: 9164 | SAS No.: N/A | SDG No.: N/A

EPA Sample No.: BKS7099 | GP ID: 9164-PBLK7099 MS

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENTRATION (ug/kg)	LCS CONCENTRATION (ug/kg)	LCS % REC	QC LIMITS REC
AR 1016	170	0	150	91	54-164
AR 1260	330	0	310	92	80-145

* Value outside of QC limits

Spike recovery: 0 out of 2 outside limits.

COMMENTS:

3E

WATER PCB's MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: GPL Laboratories Client: IT CORPORATION

Lab Code: GPL Case No.: 9126 SAS No.: N/A SDG No.: N/A

EPA Sample No.: AB2018MS/MSD GP ID: 9126-020MS/MSD

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC.
AR 1016	11	0	4.5	40 *	54-150
AR 1260	22	0	6.2	28 *	70-131

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC.
AR 1016	11	6.6	60	39 *	20	54-150
AR 1260	22	13.4	60 *	74 *	20	70-131

* Value outside of QC limits

RPD: 2 of 2 outside limits.

Spike Recovery: 3 of 4 outside limits.

COMMENTS:

3E
WATER LABORATORY CONTROL SPIKE RECOVERY

Lab Name: GPL Laboratories Client: IT CORPORATION

Lab Code: GPL Case No.: 9164 SAS No.: N/A SDG No.: N/A

EPA Sample No.: BKS7106 GP ID: 9157-PBLK7106 MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC
AR 1016	5	0	5.6	112	54-164
AR 1260	10	0	7.7	77 *	80-145

* Value outside of QC limits

Spike recovery: 1 out of 2 outside limits.

COMMENTS:

0 3008

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

BLK-7099

Lab Name: GPL LABORATORIES Contract: IT CORPORAT

Lab Code: GPLL Case No.: 9164 SAS No.: N/A SDG No.: N/A

Lab Sample ID: 9164-PBLK7099 Lab File ID: J10841.D

Matrix: (soil/water) SOIL Extraction: (SepF/Cont/Sonc) SONC

Sulfur Cleanup: (Y/N) N Date Extracted: 10/02/00

Date Analyzed (1) : 10/08/00 Date Analyzed (2) : 10/08/00

Time Analyzed (1) : 1853 Time Analyzed (2) : 1853

Instrument ID (1) : GC-J Instrument ID (2) : GC-J

GC Column (1) : RTx-CLP ID: 0.32 (mm) GC Column (2) : RTx-CLP2 ID: 0.32 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	AA0452	9164-003-05-1	10/08/00	10/08/00
02	AA0472	9164-004-05-1	10/08/00	10/08/00
03	AA0473	9164-005-05-1	10/08/00	10/08/00
04	AA0474	9164-006-05-1	10/08/00	10/08/00
05	AA0475	9164-007-05-1	10/08/00	10/08/00
06	AA0478	9164-008-05-1	10/08/00	10/08/00
07	AA0479	9164-009-05-1	10/08/00	10/08/00
08	AB0434	9164-012-05-1	10/09/00	10/09/00
09	AB0436	9164-013-05-1	10/09/00	10/09/00
10	AA0472 MS	9164-004-05-1MS	10/09/00	10/09/00
11	AA0472 MSD	9164-004-05-1MSD	10/09/00	10/09/00
12	AA0440 DL	9164-002-05-1 20X	10/23/00	10/23/00

COMMENTS:

4C

PESTICIDE METHOD BLANK SUMMARY

CLIENT ID

BLK7106

Lab Name: GPL LABORATORIES, LLLP Project: IT CORPORAT

Lab Code: GPL WO No.: 9164 SAS No.: N/A SDG No.: N/A

Lab Sample ID: 9157-PBLK7106 Lab File ID: K4188P.D

Matrix: (soil/water) WATER Extraction: (SepF/Cont/Sonc) CONT

Sulfur Cleanup: (Y/N) N Date Extracted: 10/22/00

Date Analyzed (1) : 10/10/00 Date Analyzed (2) : 10/10/00

Time Analyzed (1) : 1132 Time Analyzed (2) : 1132

Instrument ID (1) : GC-K Instrument ID (2) : GC-K

GC Column (1) : RTx-5 ID: 0.53 (mm) GC Column (2) : RTx-1701 ID: 0.53 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	BKS7106	9157-PBLK7106MS	10/10/00	10/10/00
02	AA3011	9164-010-09-1/4	10/10/00	10/10/00
03	AA3010	9164-011-09-1/4	10/10/00	10/10/00

COMMENTS:

Summary of Analytical Results

Client ID AA0440
GPL ID: 9164-002-01-1/3
Matrix: Soil
Date Collected: Sep-26-2000
Date Received: Sep-27-2000

Prep Method: SW5035
Prep Date: Sep-29-2000
Prep Time: 08:16
Prep Chemist: NAZIH ABADEER

Analytical Method: SW8260B_TCL
Date Analyzed: Sep-29-2000
Time Analyzed 18:06
Analyst: Alganesh Debesai

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	5.43	ug/kg	U	1
1,1,2,2-Tetrachloroethane	BQL	5.43	ug/kg	U	1
1,1,2-Trichloroethane	BQL	5.43	ug/kg	U	1
1,1-Dichloroethane	BQL	5.43	ug/kg	U	1
1,1-Dichloroethene	BQL	5.43	ug/kg	U	1
1,2-Dichloroethane	BQL	5.43	ug/kg	U	1
1,2-Dichloropropane	BQL	5.43	ug/kg	U	1
2-Butanone	BQL	10.9	ug/kg	U	1
2-Hexanone	BQL	10.9	ug/kg	U	1
4-Methyl-2-Pentanone	BQL	10.9	ug/kg	U	1
Acetone	29.1	10.9	ug/kg		1
Benzene	BQL	5.43	ug/kg	U	1
Bromodichloromethane	BQL	5.43	ug/kg	U	1
Bromoform	BQL	5.43	ug/kg	U	1
Bromomethane	BQL	10.9	ug/kg	U	1
Carbon Disulfide	BQL	5.43	ug/kg	U	1
Carbon Tetrachloride	BQL	5.43	ug/kg	U	1
Chlorobenzene	BQL	5.43	ug/kg	U	1
Chloroethane	BQL	10.9	ug/kg	U	1
Chloroform	BQL	5.43	ug/kg	U	1
Chloromethane	BQL	10.9	ug/kg	U	1
Dibromochloromethane	BQL	5.43	ug/kg	U	1
Ethylbenzene	BQL	5.43	ug/kg	U	1
Methylene Chloride	7.27	21.7	ug/kg	JB	1
Styrene	BQL	5.43	ug/kg	U	1
Tetrachloroethene	BQL	5.43	ug/kg	U	1
Toluene	BQL	5.43	ug/kg	U	1
Trichloroethene	BQL	5.43	ug/kg	U	1
Vinyl Chloride	BQL	10.9	ug/kg	U	1
cis-1,2-Dichloroethene	BQL	5.43	ug/kg	U	1
cis-1,3-Dichloropropene	BQL	5.43	ug/kg	U	1
m,p-Xylenes	BQL	5.43	ug/kg	U	1
o-Xylene	BQL	5.43	ug/kg	U	1
trans-1,2-dichloroethene	BQL	5.43	ug/kg	U	1
trans-1,3-dichloropropene	BQL	5.43	ug/kg	U	1

Summary of Analytical Results

Client ID AA0452
GPL ID: 9164-003-01-1/3
Matrix: Soil
Date Collected: Sep-26-2000
Date Received: Sep-27-2000

Prep Method: SW5035
Prep Date: Sep-29-2000
Prep Time: 08:16
Prep Chemist: NAZIH ABADEER

Analytical Method: SW8260B_TCL
Date Analyzed: Sep-29-2000
Time Analyzed 18:47
Analyst: Alganesh Debesai

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	5.23	ug/kg	U	1
1,1,2,2-Tetrachloroethane	BQL	5.23	ug/kg	U	1
1,1,2-Trichloroethane	BQL	5.23	ug/kg	U	1
1,1-Dichloroethane	BQL	5.23	ug/kg	U	1
1,1-Dichloroethene	BQL	5.23	ug/kg	U	1
1,2-Dichloroethane	BQL	5.23	ug/kg	U	1
1,2-Dichloropropane	BQL	5.23	ug/kg	U	1
2-Butanone	BQL	10.5	ug/kg	U	1
2-Hexanone	BQL	10.5	ug/kg	U	1
4-Methyl-2-Pentanone	BQL	10.5	ug/kg	U	1
Acetone	20.0	10.5	ug/kg		1
Benzene	BQL	5.23	ug/kg	U	1
Bromodichloromethane	BQL	5.23	ug/kg	U	1
Bromoform	BQL	5.23	ug/kg	U	1
Bromomethane	BQL	10.5	ug/kg	U	1
Carbon Disulfide	BQL	5.23	ug/kg	U	1
Carbon Tetrachloride	BQL	5.23	ug/kg	U	1
Chlorobenzene	BQL	5.23	ug/kg	U	1
Chloroethane	BQL	10.5	ug/kg	U	1
Chloroform	BQL	5.23	ug/kg	U	1
Chloromethane	BQL	10.5	ug/kg	U	1
Dibromochloromethane	BQL	5.23	ug/kg	U	1
Ethylbenzene	BQL	5.23	ug/kg	U	1
Methylene Chloride	5.30	20.9	ug/kg	JB	1
Styrene	BQL	5.23	ug/kg	U	1
Tetrachloroethene	BQL	5.23	ug/kg	U	1
Toluene	2.09	5.23	ug/kg	J	1
Trichloroethene	BQL	5.23	ug/kg	U	1
Vinyl Chloride	BQL	10.5	ug/kg	U	1
cis-1,2-Dichloroethene	BQL	5.23	ug/kg	U	1
cis-1,3-Dichloropropene	BQL	5.23	ug/kg	U	1
m,p-Xylenes	BQL	5.23	ug/kg	U	1
o-Xylene	BQL	5.23	ug/kg	U	1
trans-1,2-dichloroethene	BQL	5.23	ug/kg	U	1
trans-1,3-dichloropropene	BQL	5.23	ug/kg	U	1

Summary of Analytical Results

Client ID AA0472
GPL ID: 9164-004-01-1/3
Matrix: Soil
Date Collected: Sep-26-2000
Date Received: Sep-27-2000

Prep Method: SW5035
Prep Date: Sep-29-2000
Prep Time: 08:16
Prep Chemist: NAZIH ABADEER

Analytical Method: SW8260B_TCL
Date Analyzed: Sep-29-2000
Time Analyzed 19:28
Analyst: Alganesh Debesai

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	5.37	ug/kg	U	1
1,1,2,2-Tetrachloroethane	BQL	5.37	ug/kg	U	1
1,1,2-Trichloroethane	BQL	5.37	ug/kg	U	1
1,1-Dichloroethane	BQL	5.37	ug/kg	U	1
1,1-Dichloroethene	BQL	5.37	ug/kg	U	1
1,2-Dichloroethane	BQL	5.37	ug/kg	U	1
1,2-Dichloropropane	BQL	5.37	ug/kg	U	1
2-Butanone	BQL	10.7	ug/kg	U	1
2-Hexanone	BQL	10.7	ug/kg	U	1
4-Methyl-2-Pentanone	BQL	10.7	ug/kg	U	1
Acetone	12.7	10.7	ug/kg		1
Benzene	BQL	5.37	ug/kg	U	1
Bromodichloromethane	BQL	5.37	ug/kg	U	1
Bromoform	BQL	5.37	ug/kg	U	1
Bromomethane	BQL	10.7	ug/kg	U	1
Carbon Disulfide	BQL	5.37	ug/kg	U	1
Carbon Tetrachloride	BQL	5.37	ug/kg	U	1
Chlorobenzene	BQL	5.37	ug/kg	U	1
Chloroethane	BQL	10.7	ug/kg	U	1
Chloroform	BQL	5.37	ug/kg	U	1
Chloromethane	BQL	10.7	ug/kg	U	1
Dibromochloromethane	BQL	5.37	ug/kg	U	1
Ethylbenzene	BQL	5.37	ug/kg	U	1
Methylene Chloride	9.07	21.5	ug/kg	JB	1
Styrene	BQL	5.37	ug/kg	U	1
Tetrachloroethene	BQL	5.37	ug/kg	U	1
Toluene	BQL	5.37	ug/kg	U	1
Trichloroethene	BQL	5.37	ug/kg	U	1
Vinyl Chloride	BQL	10.7	ug/kg	U	1
cis-1,2-Dichloroethene	BQL	5.37	ug/kg	U	1
cis-1,3-Dichloropropene	BQL	5.37	ug/kg	U	1
m,p-Xylenes	BQL	5.37	ug/kg	U	1
o-Xylene	BQL	5.37	ug/kg	U	1
trans-1,2-dichloroethene	BQL	5.37	ug/kg	U	1
trans-1,3-dichloropropene	BQL	5.37	ug/kg	U	1

Summary of Analytical Results

Client ID AA0473
GPL ID: 9164-005-01-1/3
Matrix: Soil
Date Collected: Sep-26-2000
Date Received: Sep-27-2000

Prep Method: SW5035
Prep Date: Sep-29-2000
Prep Time: 08:16
Prep Chemist: NAZIH ABADEER

Analytical Method: SW8260B_TCL
Date Analyzed: Sep-29-2000
Time Analyzed 20:08
Analyst: Alganesh Debesai

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	4.68	ug/kg	U	1
1,1,2,2-Tetrachloroethane	BQL	4.68	ug/kg	U	1
1,1,2-Trichloroethane	BQL	4.68	ug/kg	U	1
1,1-Dichloroethane	BQL	4.68	ug/kg	U	1
1,1-Dichloroethene	BQL	4.68	ug/kg	U	1
1,2-Dichloroethane	BQL	4.68	ug/kg	U	1
1,2-Dichloropropane	BQL	4.68	ug/kg	U	1
2-Butanone	BQL	9.37	ug/kg	U	1
2-Hexanone	BQL	9.37	ug/kg	U	1
4-Methyl-2-Pentanone	BQL	9.37	ug/kg	U	1
Acetone	BQL	9.37	ug/kg	U	1
Benzene	2.60	4.68	ug/kg	J	1
Bromodichloromethane	BQL	4.68	ug/kg	U	1
Bromoform	BQL	4.68	ug/kg	U	1
Bromomethane	BQL	9.37	ug/kg	U	1
Carbon Disulfide	BQL	4.68	ug/kg	U	1
Carbon Tetrachloride	BQL	4.68	ug/kg	U	1
Chlorobenzene	BQL	4.68	ug/kg	U	1
Chloroethane	BQL	9.37	ug/kg	U	1
Chloroform	BQL	4.68	ug/kg	U	1
Chloromethane	BQL	9.37	ug/kg	U	1
Dibromochloromethane	BQL	4.68	ug/kg	U	1
Ethylbenzene	BQL	4.68	ug/kg	U	1
Methylene Chloride	6.11	18.7	ug/kg	JB	1
Styrene	BQL	4.68	ug/kg	U	1
Tetrachloroethene	BQL	4.68	ug/kg	U	1
Toluene	3.20	4.68	ug/kg	J	1
Trichloroethene	BQL	4.68	ug/kg	U	1
Vinyl Chloride	BQL	9.37	ug/kg	U	1
cis-1,2-Dichloroethene	BQL	4.68	ug/kg	U	1
cis-1,3-Dichloropropene	BQL	4.68	ug/kg	U	1
m,p-Xylenes	BQL	4.68	ug/kg	U	1
o-Xylene	BQL	4.68	ug/kg	U	1
trans-1,2-dichloroethene	BQL	4.68	ug/kg	U	1
trans-1,3-dichloropropene	BQL	4.68	ug/kg	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AA0474
GPL ID: 9164-006-01-1/3
Matrix: Soil
Date Collected: Sep-26-2000
Date Received: Sep-27-2000

Prep Method: SW5035
Prep Date: Oct-02-2000
Prep Time: 07:57
Prep Chemist: NAZIH ABADEER

Analytical Method: SW8260B_TCL
Date Analyzed: Oct-02-2000
Time Analyzed 10:51
Analyst: Alganesh Debesai

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	5.34	ug/kg	U	1
1,1,2,2-Tetrachloroethane	BQL	5.34	ug/kg	U	1
1,1,2-Trichloroethane	BQL	5.34	ug/kg	U	1
1,1-Dichloroethane	BQL	5.34	ug/kg	U	1
1,1-Dichloroethene	BQL	5.34	ug/kg	U	1
1,2-Dichloroethane	BQL	5.34	ug/kg	U	1
1,2-Dichloropropane	BQL	5.34	ug/kg	U	1
2-Butanone	BQL	10.7	ug/kg	U	1
2-Hexanone	BQL	10.7	ug/kg	U	1
4-Methyl-2-Pentanone	BQL	10.7	ug/kg	U	1
Acetone	7.13	10.7	ug/kg	J	1
Benzene	2.85	5.34	ug/kg	J	1
Bromodichloromethane	BQL	5.34	ug/kg	U	1
Bromoform	BQL	5.34	ug/kg	U	1
Bromomethane	BQL	10.7	ug/kg	U	1
Carbon Disulfide	BQL	5.34	ug/kg	U	1
Carbon Tetrachloride	BQL	5.34	ug/kg	U	1
Chlorobenzene	BQL	5.34	ug/kg	U	1
Chloroethane	BQL	10.7	ug/kg	U	1
Chloroform	BQL	5.34	ug/kg	U	1
Chloromethane	BQL	10.7	ug/kg	U	1
Dibromochloromethane	BQL	5.34	ug/kg	U	1
Ethylbenzene	BQL	5.34	ug/kg	U	1
Methylene Chloride	9.72	21.4	ug/kg	JB	1
Styrene	BQL	5.34	ug/kg	U	1
Tetrachloroethene	BQL	5.34	ug/kg	U	1
Toluene	4.90	5.34	ug/kg	J	1
Trichloroethene	BQL	5.34	ug/kg	U	1
Vinyl Chloride	BQL	10.7	ug/kg	U	1
cis-1,2-Dichloroethene	BQL	5.34	ug/kg	U	1
cis-1,3-Dichloropropene	BQL	5.34	ug/kg	U	1
m,p-Xylenes	BQL	5.34	ug/kg	U	1
o-Xylene	BQL	5.34	ug/kg	U	1
trans-1,2-dichloroethene	BQL	5.34	ug/kg	U	1
trans-1,3-dichloropropene	BQL	5.34	ug/kg	U	1

Summary of Analytical Results

Client ID AA0475
GPL ID: 9164-007-01-1/3
Matrix: Soil
Date Collected: Sep-26-2000
Date Received: Sep-27-2000

Prep Method: SW5035
Prep Date: Oct-02-2000
Prep Time: 07:57
Prep Chemist: NAZIH ABADEER

Analytical Method: SW8260B_TCL
Date Analyzed: Oct-02-2000
Time Analyzed 11:32
Analyst: Alganesh Debesai

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	5.14	ug/kg	U	1
1,1,2,2-Tetrachloroethane	BQL	5.14	ug/kg	U	1
1,1,2-Trichloroethane	BQL	5.14	ug/kg	U	1
1,1-Dichloroethane	BQL	5.14	ug/kg	U	1
1,1-Dichloroethene	BQL	5.14	ug/kg	U	1
1,2-Dichloroethane	BQL	5.14	ug/kg	U	1
1,2-Dichloropropane	BQL	5.14	ug/kg	U	1
2-Butanone	BQL	10.3	ug/kg	U	1
2-Hexanone	BQL	10.3	ug/kg	U	1
4-Methyl-2-Pentanone	BQL	10.3	ug/kg	U	1
Acetone	BQL	10.3	ug/kg	U	1
Benzene	BQL	5.14	ug/kg	U	1
Bromodichloromethane	BQL	5.14	ug/kg	U	1
Bromoform	BQL	5.14	ug/kg	U	1
Bromomethane	BQL	10.3	ug/kg	U	1
Carbon Disulfide	BQL	5.14	ug/kg	U	1
Carbon Tetrachloride	BQL	5.14	ug/kg	U	1
Chlorobenzene	BQL	5.14	ug/kg	U	1
Chloroethane	BQL	10.3	ug/kg	U	1
Chloroform	BQL	5.14	ug/kg	U	1
Chloromethane	BQL	10.3	ug/kg	U	1
Dibromochloromethane	BQL	5.14	ug/kg	U	1
Ethylbenzene	BQL	5.14	ug/kg	U	1
Methylene Chloride	3.27	20.5	ug/kg	JB	1
Styrene	BQL	5.14	ug/kg	U	1
Tetrachloroethene	BQL	5.14	ug/kg	U	1
Toluene	BQL	5.14	ug/kg	U	1
Trichloroethene	BQL	5.14	ug/kg	U	1
Vinyl Chloride	BQL	10.3	ug/kg	U	1
cis-1,2-Dichloroethene	BQL	5.14	ug/kg	U	1
cis-1,3-Dichloropropene	BQL	5.14	ug/kg	U	1
m,p-Xylenes	BQL	5.14	ug/kg	U	1
o-Xylene	BQL	5.14	ug/kg	U	1
trans-1,2-dichloroethene	BQL	5.14	ug/kg	U	1
trans-1,3-dichloropropene	BQL	5.14	ug/kg	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AA0478
GPL ID: 9164-008-01-1/3
Matrix: Soil
Date Collected: Sep-26-2000
Date Received: Sep-27-2000

Prep Method: SW5035
Prep Date: Oct-02-2000
Prep Time: 07:57
Prep Chemist: NAZIH ABADEER

Analytical Method: SW8260B_TCL
Date Analyzed: Oct-02-2000
Time Analyzed 12:13
Analyst: Alganesh Debesai

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	5.29	ug/kg	U	1
1,1,2,2-Tetrachloroethane	BQL	5.29	ug/kg	U	1
1,1,2-Trichloroethane	BQL	5.29	ug/kg	U	1
1,1-Dichloroethane	BQL	5.29	ug/kg	U	1
1,1-Dichloroethene	BQL	5.29	ug/kg	U	1
1,2-Dichloroethane	BQL	5.29	ug/kg	U	1
1,2-Dichloropropane	BQL	5.29	ug/kg	U	1
2-Butanone	BQL	10.6	ug/kg	U	1
2-Hexanone	BQL	10.6	ug/kg	U	1
4-Methyl-2-Pentanone	BQL	10.6	ug/kg	U	1
Acetone	BQL	10.6	ug/kg	U	1
Benzene	BQL	5.29	ug/kg	U	1
Bromodichloromethane	BQL	5.29	ug/kg	U	1
Bromoform	BQL	5.29	ug/kg	U	1
Bromomethane	BQL	10.6	ug/kg	U	1
Carbon Disulfide	BQL	5.29	ug/kg	U	1
Carbon Tetrachloride	BQL	5.29	ug/kg	U	1
Chlorobenzene	BQL	5.29	ug/kg	U	1
Chloroethane	BQL	10.6	ug/kg	U	1
Chloroform	BQL	5.29	ug/kg	U	1
Chloromethane	BQL	10.6	ug/kg	U	1
Dibromochloromethane	BQL	5.29	ug/kg	U	1
Ethylbenzene	2.45	5.29	ug/kg	J	1
Methylene Chloride	30.7	21.2	ug/kg	B	1
Styrene	BQL	5.29	ug/kg	U	1
Tetrachloroethene	BQL	5.29	ug/kg	U	1
Toluene	18.9	5.29	ug/kg		1
Trichloroethene	BQL	5.29	ug/kg	U	1
Vinyl Chloride	BQL	10.6	ug/kg	U	1
cis-1,2-Dichloroethene	BQL	5.29	ug/kg	U	1
cis-1,3-Dichloropropene	BQL	5.29	ug/kg	U	1
m,p-Xylenes	10.1	5.29	ug/kg		1
o-Xylene	3.88	5.29	ug/kg	J	1
trans-1,2-dichloroethene	BQL	5.29	ug/kg	U	1
trans-1,3-dichloropropene	BQL	5.29	ug/kg	U	1

Summary of Analytical Results

Client ID AA0479
GPL ID: 9164-009-01-1/3
Matrix: Soil
Date Collected: Sep-26-2000
Date Received: Sep-27-2000

Prep Method: SW5035
Prep Date: Oct-02-2000
Prep Time: 07:57
Prep Chemist: NAZIH ABADEER

Analytical Method: SW8260B_TCL
Date Analyzed: Oct-02-2000
Time Analyzed 12:54
Analyst: Alganesh Debesai

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	6.42	ug/kg	U	1
1,1,2,2-Tetrachloroethane	BQL	6.42	ug/kg	U	1
1,1,2-Trichloroethane	BQL	6.42	ug/kg	U	1
1,1-Dichloroethane	BQL	6.42	ug/kg	U	1
1,1-Dichloroethene	BQL	6.42	ug/kg	U	1
1,2-Dichloroethane	BQL	6.42	ug/kg	U	1
1,2-Dichloropropane	BQL	6.42	ug/kg	U	1
2-Butanone	BQL	12.8	ug/kg	U	1
2-Hexanone	BQL	12.8	ug/kg	U	1
4-Methyl-2-Pentanone	BQL	12.8	ug/kg	U	1
Acetone	BQL	12.8	ug/kg	U	1
Benzene	BQL	6.42	ug/kg	U	1
Bromodichloromethane	BQL	6.42	ug/kg	U	1
Bromoform	BQL	6.42	ug/kg	U	1
Bromomethane	BQL	12.8	ug/kg	U	1
Carbon Disulfide	BQL	6.42	ug/kg	U	1
Carbon Tetrachloride	BQL	6.42	ug/kg	U	1
Chlorobenzene	BQL	6.42	ug/kg	U	1
Chloroethane	BQL	12.8	ug/kg	U	1
Chloroform	BQL	6.42	ug/kg	U	1
Chloromethane	BQL	12.8	ug/kg	U	1
Dibromochloromethane	BQL	6.42	ug/kg	U	1
Ethylbenzene	BQL	6.42	ug/kg	U	1
Methylene Chloride	56.4	25.7	ug/kg	B	1
Styrene	BQL	6.42	ug/kg	U	1
Tetrachloroethene	BQL	6.42	ug/kg	U	1
Toluene	8.57	6.42	ug/kg		1
Trichloroethene	BQL	6.42	ug/kg	U	1
Vinyl Chloride	BQL	12.8	ug/kg	U	1
cis-1,2-Dichloroethene	BQL	6.42	ug/kg	U	1
cis-1,3-Dichloropropene	BQL	6.42	ug/kg	U	1
m,p-Xylenes	7.87	6.42	ug/kg		1
o-Xylene	2.70	6.42	ug/kg	J	1
trans-1,2-dichloroethene	BQL	6.42	ug/kg	U	1
trans-1,3-dichloropropene	BQL	6.42	ug/kg	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB0434
GPL ID: 9164-012-01-1/3
Matrix: Soil
Date Collected: Sep-26-2000
Date Received: Sep-27-2000

Prep Method: SW5035
Prep Date: Oct-02-2000
Prep Time: 07:57
Prep Chemist: NAZIH ABADEER

Analytical Method: SW8260B_TCL
Date Analyzed: Oct-02-2000
Time Analyzed 13:36
Analyst: Alganesh Debesai

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	5.08	ug/kg	U	1
1,1,2,2-Tetrachloroethane	BQL	5.08	ug/kg	U	1
1,1,2-Trichloroethane	BQL	5.08	ug/kg	U	1
1,1-Dichloroethane	BQL	5.08	ug/kg	U	1
1,1-Dichloroethene	BQL	5.08	ug/kg	U	1
1,2-Dichloroethane	BQL	5.08	ug/kg	U	1
1,2-Dichloropropane	BQL	5.08	ug/kg	U	1
2-Butanone	BQL	10.2	ug/kg	U	1
2-Hexanone	BQL	10.2	ug/kg	U	1
4-Methyl-2-Pentanone	BQL	10.2	ug/kg	U	1
Acetone	16.7	10.2	ug/kg		1
Benzene	2.10	5.08	ug/kg	J	1
Bromodichloromethane	BQL	5.08	ug/kg	U	1
Bromoform	BQL	5.08	ug/kg	U	1
Bromomethane	BQL	10.2	ug/kg	U	1
Carbon Disulfide	10.0	5.08	ug/kg		1
Carbon Tetrachloride	BQL	5.08	ug/kg	U	1
Chlorobenzene	BQL	5.08	ug/kg	U	1
Chloroethane	BQL	10.2	ug/kg	U	1
Chloroform	BQL	5.08	ug/kg	U	1
Chloromethane	BQL	10.2	ug/kg	U	1
Dibromochloromethane	BQL	5.08	ug/kg	U	1
Ethylbenzene	BQL	5.08	ug/kg	U	1
Methylene Chloride	5.74	20.3	ug/kg	JB	1
Styrene	BQL	5.08	ug/kg	U	1
Tetrachloroethene	BQL	5.08	ug/kg	U	1
Toluene	3.54	5.08	ug/kg	J	1
Trichloroethene	BQL	5.08	ug/kg	U	1
Vinyl Chloride	BQL	10.2	ug/kg	U	1
cis-1,2-Dichloroethene	BQL	5.08	ug/kg	U	1
cis-1,3-Dichloropropene	BQL	5.08	ug/kg	U	1
m,p-Xylenes	BQL	5.08	ug/kg	U	1
o-Xylene	BQL	5.08	ug/kg	U	1
trans-1,2-dichloroethene	BQL	5.08	ug/kg	U	1
trans-1,3-dichloropropene	BQL	5.08	ug/kg	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB0436
GPL ID: 9164-013-01-1/3
Matrix: Soil
Date Collected: Sep-26-2000
Date Received: Sep-27-2000

Prep Method: SW5035
Prep Date: Oct-02-2000
Prep Time: 07:57
Prep Chemist: NAZIH ABADEER

Analytical Method: SW8260B_TCL
Date Analyzed: Oct-02-2000
Time Analyzed 14:17
Analyst: Alganesh Debesai

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	5.49	ug/kg	U	1
1,1,2,2-Tetrachloroethane	BQL	5.49	ug/kg	U	1
1,1,2-Trichloroethane	BQL	5.49	ug/kg	U	1
1,1-Dichloroethane	BQL	5.49	ug/kg	U	1
1,1-Dichloroethene	BQL	5.49	ug/kg	U	1
1,2-Dichloroethane	BQL	5.49	ug/kg	U	1
1,2-Dichloropropane	BQL	5.49	ug/kg	U	1
2-Butanone	BQL	11	ug/kg	U	1
2-Hexanone	BQL	11	ug/kg	U	1
4-Methyl-2-Pentanone	BQL	11	ug/kg	U	1
Acetone	53.5	11	ug/kg		1
Benzene	BQL	5.49	ug/kg	U	1
Bromodichloromethane	BQL	5.49	ug/kg	U	1
Bromoform	BQL	5.49	ug/kg	U	1
Bromomethane	BQL	11	ug/kg	U	1
Carbon Disulfide	3.79	5.49	ug/kg	J	1
Carbon Tetrachloride	BQL	5.49	ug/kg	U	1
Chlorobenzene	BQL	5.49	ug/kg	U	1
Chloroethane	BQL	11	ug/kg	U	1
Chloroform	BQL	5.49	ug/kg	U	1
Chloromethane	BQL	11	ug/kg	U	1
Dibromochloromethane	BQL	5.49	ug/kg	U	1
Ethylbenzene	BQL	5.49	ug/kg	U	1
Methylene Chloride	8.78	21.9	ug/kg	JB	1
Styrene	BQL	5.49	ug/kg	U	1
Tetrachloroethene	BQL	5.49	ug/kg	U	1
Toluene	BQL	5.49	ug/kg	U	1
Trichloroethene	BQL	5.49	ug/kg	U	1
Vinyl Chloride	BQL	11	ug/kg	U	1
cis-1,2-Dichloroethene	BQL	5.49	ug/kg	U	1
cis-1,3-Dichloropropene	BQL	5.49	ug/kg	U	1
m,p-Xylenes	BQL	5.49	ug/kg	U	1
o-Xylene	BQL	5.49	ug/kg	U	1
trans-1,2-dichloroethene	BQL	5.49	ug/kg	U	1
trans-1,3-dichloropropene	BQL	5.49	ug/kg	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID 09262000-TB
GPL ID: 9164-001-01-1/2
Matrix: Water
Date Collected: Sep-26-2000
Date Received: Sep-27-2000

Prep Method: SW5030B
Prep Date: Sep-29-2000
Prep Time: 08:45
Prep Chemist: Abid Mahmood

Analytical Method: SW8260LL_TCL
Date Analyzed: Sep-29-2000
Time Analyzed 11:48
Analyst: Alganesh Debesai

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	1	ug/L	U	1
1,1,2,2-Tetrachloroethane	BQL	1	ug/L	U	1
1,1,2-Trichloroethane	BQL	1	ug/L	U	1
1,1-Dichloroethane	BQL	1	ug/L	U	1
1,1-Dichloroethene	BQL	1	ug/L	U	1
1,2-Dichloroethane	BQL	1	ug/L	U	1
1,2-Dichloropropane	BQL	1	ug/L	U	1
2-Butanone	BQL	5	ug/L	U	1
2-Hexanone	BQL	5	ug/L	U	1
4-Methyl-2-Pentanone	BQL	5	ug/L	U	1
Acetone	BQL	5	ug/L	U	1
Benzene	BQL	1	ug/L	U	1
Bromodichloromethane	BQL	1	ug/L	U	1
Bromoform	BQL	1	ug/L	U	1
Bromomethane	BQL	1	ug/L	U	1
Carbon Disulfide	1.60	1	ug/L		1
Carbon Tetrachloride	BQL	1	ug/L	U	1
Chlorobenzene	BQL	1	ug/L	U	1
Chloroethane	BQL	1	ug/L	U	1
Chloroform	BQL	1	ug/L	U	1
Chloromethane	BQL	1	ug/L	U	1
Dibromochloromethane	BQL	1	ug/L	U	1
Ethylbenzene	BQL	1	ug/L	U	1
Methylene Chloride	0.900	1	ug/L	JB	1
Styrene	BQL	1	ug/L	U	1
Tetrachloroethene	BQL	1	ug/L	U	1
Toluene	BQL	1	ug/L	U	1
Trichloroethene	BQL	1	ug/L	U	1
Vinyl Chloride	BQL	1	ug/L	U	1
cis-1,2-Dichloroethene	BQL	1	ug/L	U	1
cis-1,3-Dichloropropene	BQL	1	ug/L	U	1
m,p-Xylenes	BQL	1	ug/L	U	1
o-Xylene	BQL	1	ug/L	U	1
trans-1,2-dichloroethene	BQL	1	ug/L	U	1
trans-1,3-dichloropropene	BQL	1	ug/L	U	1

Summary of Analytical Results

Client ID AA3010
GPL ID: 9164-010-01-1/3
Matrix: Water
Date Collected: Sep-26-2000
Date Received: Sep-27-2000

Prep Method: SW5030B
Prep Date: Sep-29-2000
Prep Time: 08:45
Prep Chemist: Abid Mahmood

Analytical Method: SW8260LL_TCL
Date Analyzed: Sep-29-2000
Time Analyzed 12:22
Analyst: Alganesh Debesai

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	1	ug/L	U	1
1,1,2,2-Tetrachloroethane	BQL	1	ug/L	U	1
1,1,2-Trichloroethane	BQL	1	ug/L	U	1
1,1-Dichloroethane	BQL	1	ug/L	U	1
1,1-Dichloroethene	BQL	1	ug/L	U	1
1,2-Dichloroethane	BQL	1	ug/L	U	1
1,2-Dichloropropane	BQL	1	ug/L	U	1
2-Butanone	BQL	5	ug/L	U	1
2-Hexanone	BQL	5	ug/L	U	1
4-Methyl-2-Pentanone	BQL	5	ug/L	U	1
Acetone	BQL	5	ug/L	U	1
Benzene	BQL	1	ug/L	U	1
Bromodichloromethane	BQL	1	ug/L	U	1
Bromoform	BQL	1	ug/L	U	1
Bromomethane	BQL	1	ug/L	U	1
Carbon Disulfide	BQL	1	ug/L	U	1
Carbon Tetrachloride	BQL	1	ug/L	U	1
Chlorobenzene	BQL	1	ug/L	U	1
Chloroethane	BQL	1	ug/L	U	1
Chloroform	BQL	1	ug/L	U	1
Chloromethane	0.530	1	ug/L	J	1
Dibromochloromethane	BQL	1	ug/L	U	1
Ethylbenzene	BQL	1	ug/L	U	1
Methylene Chloride	0.890	1	ug/L	JB	1
Styrene	BQL	1	ug/L	U	1
Tetrachloroethene	BQL	1	ug/L	U	1
Toluene	BQL	1	ug/L	U	1
Trichloroethene	BQL	1	ug/L	U	1
Vinyl Chloride	BQL	1	ug/L	U	1
cis-1,2-Dichloroethene	BQL	1	ug/L	U	1
cis-1,3-Dichloropropene	BQL	1	ug/L	U	1
m,p-Xylenes	BQL	1	ug/L	U	1
o-Xylene	BQL	1	ug/L	U	1
trans-1,2-dichloroethene	BQL	1	ug/L	U	1
trans-1,3-dichloropropene	BQL	1	ug/L	U	1

Summary of Analytical Results

Client ID AA3011
GPL ID: 9164-011-01-1/3
Matrix: Water
Date Collected: Sep-26-2000
Date Received: Sep-27-2000

Prep Method: SW5030B
Prep Date: Sep-29-2000
Prep Time: 08:45
Prep Chemist: Abid Mahmood

Analytical Method: SW8260LL_TCL
Date Analyzed: Sep-29-2000
Time Analyzed 12:57
Analyst: Alganesh Debesai

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	1	ug/L	U	1
1,1,2,2-Tetrachloroethane	BQL	1	ug/L	U	1
1,1,2-Trichloroethane	BQL	1	ug/L	U	1
1,1-Dichloroethane	BQL	1	ug/L	U	1
1,1-Dichloroethene	BQL	1	ug/L	U	1
1,2-Dichloroethane	BQL	1	ug/L	U	1
1,2-Dichloropropane	BQL	1	ug/L	U	1
2-Butanone	BQL	5	ug/L	U	1
2-Hexanone	BQL	5	ug/L	U	1
4-Methyl-2-Pentanone	BQL	5	ug/L	U	1
Acetone	BQL	5	ug/L	U	1
Benzene	BQL	1	ug/L	U	1
Bromodichloromethane	BQL	1	ug/L	U	1
Bromoform	BQL	1	ug/L	U	1
Bromomethane	BQL	1	ug/L	U	1
Carbon Disulfide	BQL	1	ug/L	U	1
Carbon Tetrachloride	BQL	1	ug/L	U	1
Chlorobenzene	BQL	1	ug/L	U	1
Chloroethane	BQL	1	ug/L	U	1
Chloroform	BQL	1	ug/L	U	1
Chloromethane	BQL	1	ug/L	U	1
Dibromochloromethane	BQL	1	ug/L	U	1
Ethylbenzene	BQL	1	ug/L	U	1
Methylene Chloride	0.990	1	ug/L	JB	1
Styrene	BQL	1	ug/L	U	1
Tetrachloroethene	BQL	1	ug/L	U	1
Toluene	BQL	1	ug/L	U	1
Trichloroethene	BQL	1	ug/L	U	1
Vinyl Chloride	BQL	1	ug/L	U	1
cis-1,2-Dichloroethene	BQL	1	ug/L	U	1
cis-1,3-Dichloropropene	BQL	1	ug/L	U	1
m,p-Xylenes	BQL	1	ug/L	U	1
o-Xylene	BQL	1	ug/L	U	1
trans-1,2-dichloroethene	BQL	1	ug/L	U	1
trans-1,3-dichloropropene	BQL	1	ug/L	U	1

2B
SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: GPL LABORATORIES, LLLP Contract: PLUMBROOK_ORDN

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Level: (low/med) LOW

	CLIENT SAMPLE NO.	SMC1 #	SMC2 #	SMC3 #	SMC4 #	TOT OUT
01	BLK7100	107	104	104	105	0
02	BKS7100	119	106	112	108	0
03	AA0440	116	101	102	104	0
04	AA0452	118	101	105	107	0
05	AA0472	118	105	108	111	0
06	AA0473	104	107	114	110	0
07	BLK7123	106	113	114	118	0
08	BKS7123	114	102	108	109	0
09	AA0474	96	104	94	79	0
10	AA0475	104	96	108	106	0
11	AA0478	47 *	211 *	271 *	461 *	4
12	AA0479	35 *	133 *	308 *	443 *	4
13	AB0434	99	97	126 *	140 *	2
14	AB0436	112	98	122	130	0
15	BLK7247	93	120	108	100	0
16	BKS7247	97	119	110	101	0
17	AA0478 RE	95	117	107	102	0
18	AA0479 RE	41 *	189 *	392 *	486 *	4
19	AB0434 RE	75	174 *	186 *	197 *	3

			QC LIMITS
SMC1	=	1,2-Dichloroethane-d4	(72-129)
SMC2	=	Toluene-d8	(68-122)
SMC3	=	4-Bromofluorobenzene	(71-122)
SMC4	=	1,2-Dichlorobenzene-d4	(68-138)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

2A
WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: GPL LABORATORIES, LLLP Contract: PLUMBROOK_ORDN

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

	CLIENT SAMPLE NO.	SMC1 #	SMC2 #	SMC3 #	SMC4 #	TOT OUT
01	BLK7098	107	115	106	101	0
02	BKS7098	115	122	122	122	0
03	09262000-TB	114	110	105	100	0
04	AA3010	114	113	108	100	0
05	AA3011	106	110	101	98	0

			QC LIMITS
SMC1	=	1,2-Dichloroethane-d4	(77-133)
SMC2	=	Toluene-d8	(74-128)
SMC3	=	4-Bromofluorobenzene	(81-125)
SMC4	=	1,2-Dichlorobenzene-d4	(76-134)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

3B

SOIL VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: GPL LABORATORIES, LLLP Contract: PLUMBROOK_O

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Matrix Spike - EPA Sample No.: AA0426 Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC LIMITS REC.
1,1-Dichloroethene	55	0.0	45	82	39 - 147
Benzene	55	1.7	47	82	36 - 150
Trichloroethene	55	0.0	45	82	33 - 150
Toluene	55	0.0	41	75	34 - 151
Chlorobenzene	55	0.0	41	75	33 - 143

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	56	35	63	26 *	25	39 - 147
Benzene	56	38	64	25	25	36 - 150
Trichloroethene	56	37	66	22	25	33 - 150
Toluene	56	32	57	27 *	25	34 - 151
Chlorobenzene	56	31	55	31 *	25	33 - 143

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 3 out of 5 outside limits

Spike Recovery: 0 out of 10 outside limits

COMMENTS: Altered with 9154

LAB CONTROL STANDARD RECOVERY

Lab Name:	GPL LABORATORIES, LLLP			Contract:	PLUMBROOK_ORDN
Case No.:	N/A			SDG No.:	N/A
Lab Code:	GPLL			Lab Sample ID:	BKS1
Lab File ID:	A27298.D	Matrix:	SOIL	Date Analyzed:	10/2/00

COMPOUND	LCS ADDED (ugKg)	CONCENTRATION FOUND (ug/Kg)	PERCENT RECOVERY #	INTERNAL LABORATORY LIMITS
Vinyl Chloride	50	34	68	29-148
1,1-Dichloroethene	50	44	88	40-150
Chloroform	50	53	106	61-146
1,1,1-Trichloroethane	50	56	112	59-155
Carbon Tetrachloride	50	59	118	61-152
Benzene	50	46	92	59-153
1,2-Dichloroethane	50	56	112	63-151
Trichloroethene	50	49	98	55-145
Bromodichloromethane	50	55	110	65-151
Dibromochloromethane	50	54	108	52-155
Bromoform	50	53	106	36-150

* Value outside internal laboratory limits

Comments: _____

LAB CONTROL STANDARD RECOVERY

Lab Name:	GPL LABORATORIES, LLLP			Contract:	PLUMBROOK_ORDN
Case No.:	N/A			SDG No.:	N/A
Lab Code:	GPLL			Lab Sample ID:	BKS1006
Lab File ID:	A27382.D	Matrix:	SOIL	Date Analyzed:	10/6/00

COMPOUND	LCS ADDED (ug/L)	CONCENTRATION FOUND (ug/L)	PERCENT RECOVERY #	INTERNAL LABORATORY LIMITS
Vinyl Chloride	50	49	98	29-148
1,1-Dichloroethene	50	50	100	40-150
Chloroform	50	49	98	61-146
1,2-Dichloroethane	50	48	96	59-155
1,1,1,-Trichloroethane	50	48	96	61-152
Carbon Tetrachloride	50	50	100	59-153
Bromodichloromethane	50	50	100	63-151
Trichloroethene	50	47	94	55-145
Dibromochloromethane	50	47	94	65-151
Benzene	50	49	98	52-155
Bromoform	50	48	96	36-150

* Value outside internal laboratory limits

Comments: _____

LAB CONTROL STANDARD RECOVERY

Lab Name:	GPL LABORATORIES, LLLP			Contract:	PLUMBROOK_ORDN
Case No.:	N/A			SDG No.:	N/A
Lab Code:	GPLL			Lab Sample ID:	BKS1
Lab File ID:	A27280.D	Matrix:	SOIL	Date Analyzed:	9/29/00

COMPOUND	LCS ADDED (ugKg)	CONCENTRATION FOUND (ug/Kg)	PERCENT RECOVERY #	INTERNAL LABORATORY LIMITS
Vinyl Chloride	50	39	78	29-148
1,1-Dichloroethene	50	47	94	40-150
Chloroform	50	55	110	61-146
1,1,1-Trichloroethane	50	58	116	59-155
Carbon Tetrachloride	50	61	122	61-152
Benzene	50	51	102	59-153
1,2-Dichloroethane	50	58	116	63-151
Trichloroethene	50	52	104	55-145
Bromodichloromethane	50	58	116	65-151
Dibromochloromethane	50	55	110	52-155
Bromoform	50	59	118	36-150

* Value outside internal laboratory limits

Comments: _____

LAB CONTROL STANDARD RECOVERY

Lab Name:	GPL LABORATORIES, LLLP			Contract:	PLUMBROOK_ORDN
Case No.:	N/A			SDG No.:	N/A
Lab Code:	GPLL			Lab Sample ID:	BKS0929
Lab File ID:	B26526.D	Matrix:	WATER	Date Analyzed:	9/29/00

COMPOUND	LCS ADDED (ug/L)	CONCENTRATION FOUND (ug/L)	PERCENT RECOVERY #	INTERNAL LABORATORY LIMITS
Vinyl Chloride	10	10.1	101	42-126
1,1-Dichloroethene	10	10.3	103	51-134
Chloroform	10	10.3	103	64-139
1,1,1-Trichloroethane	10	10.3	103	64-150
Carbon Tetrachloride	10	10.1	101	49-169
Benzene	10	11.6	116	61-120
1,2-Dichloroethane	10	12.1	121	64-141
Trichloroethene	10	10.4	104	44-139
Bromodichloromethane	10	11.2	112	60-142
Dibromochloromethane	10	11.0	110	54-164
Bromoform	10	11.0	110	46-156

* Value outside internal laboratory limits

Comments: _____

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

BLK7100

Lab Name: GPL LABORATORIES, LLLP Contract: PLUMBRO

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Lab File ID: A27279.D Lab Sample ID: BLK1

Date Analyzed: 09/29/00 Time Analyzed: 09:46

GC Column: RTX VO ID: 0.53 (mm) Heated Purge: (Y/N) Y

Instrument ID: HP#A

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	BKS7100	BKS1	A27280.D	10:26
02	AA0440	9164-002-01-1/3	A27290.D	18:06
03	AA0452	9164-003-01-1/3	A27291.D	18:47
04	AA0472	9164-004-01-1/3	A27292.D	19:28
05	AA0473	9164-005-01-1/3	A27293.D	20:08

COMMENTS:

1010

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

BLK7123

Lab Name: GPL LABORATORIES, LLLP Contract: PLUMBRO

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Lab File ID: A27297.D Lab Sample ID: BLK1

Date Analyzed: 10/02/00 Time Analyzed: 09:20

GC Column: RTX VO ID: 0.53 (mm) Heated Purge: (Y/N) Y

Instrument ID: HP#A

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	BKS7123	BKS1	A27298.D	10:10
02	AA0474	9164-006-01-1/3	A27299.D	10:51
03	AA0475	9164-007-01-1/3	A27300.D	11:32
04	AA0478	9164-008-01-1/3	A27301.D	12:13
05	AA0479	9164-009-01-1/3	A27302.D	12:54
06	AB0434	9164-012-01-1/3	A27303.D	13:36
07	AB0436	9164-013-01-1/3	A27304.D	14:17

COMMENTS:

1011

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

BLK7247

Lab Name: GPL LABORATORIES, LLLP Contract: PLUMBRO

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Lab File ID: A27381.D Lab Sample ID: BLK1

Date Analyzed: 10/06/00 Time Analyzed: 09:32

GC Column: RTX VO ID: 0.53 (mm) Heated Purge: (Y/N) Y

Instrument ID: HP#A

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	BKS7247	BKS1	A27382.D	10:12
02	AA0478 RE	9164-008-02-2/3	A27386.D	12:54
03	AA0479 RE	9164-009-02-2/3	A27387.D	13:34
04	AB0434 RE	9164-012-02-2/3	A27388.D	14:15

COMMENTS:

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

BLK7098

Lab Name: GPL LABORATORIES, LLLP Contract: PLUMBRO

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Lab File ID: B26525.D Lab Sample ID: BLK0929

Date Analyzed: 09/29/00 Time Analyzed: 09:49

GC Column: RTXVOA ID: 0.53 (mm) Heated Purge: (Y/N) N

Instrument ID: 5970-B

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	BKS7098	BKS0929	B26526.D	10:30
02	09262000-TB	9164-001-01-1	B26528.D	11:48
03	AA3010	9164-010-01-1	B26529.D	12:22
04	AA3011	9164-011-01-1	B26530.D	12:57

COMMENTS:

1013

Summary of Analytical Results

Client ID AA3010DL
GPL ID: 9164-010-07-1/2
Matrix: Water
Date Collected: Sep-26-2000
Date Received: Sep-27-2000

Prep Method: SW3520C
Prep Date: Oct-02-2000
Prep Time: 00:00
Prep Chemist: Veena Telhan

Analytical Method: SW8270CTCL
Date Analyzed: Oct-17-2000
Time Analyzed 17:15
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	1080	ug/L	U	100
1,2-Dichlorobenzene	BQL	1080	ug/L	U	100
1,3-Dichlorobenzene	BQL	1080	ug/L	U	100
1,4-Dichlorobenzene	BQL	1080	ug/L	U	100
2,2-Oxybis(1-Chloro)Propane	BQL	1080	ug/L	U	100
2,4,5-Trichlorophenol	BQL	1080	ug/L	U	100
2,4,6-Trichlorophenol	BQL	1080	ug/L	U	100
2,4-Dichlorophenol	BQL	1080	ug/L	U	100
2,4-Dimethylphenol	BQL	1080	ug/L	U	100
2,4-Dinitrophenol	BQL	2150	ug/L	U	100
2,4-Dinitrotoluene	5750	1080	ug/L		100
2,6-Dinitrotoluene	5610	1080	ug/L		100
2-Chloronaphthalene	BQL	1080	ug/L	U	100
2-Chlorophenol	BQL	1080	ug/L	U	100
2-Methylnaphthalene	BQL	1080	ug/L	U	100
2-Nitroaniline	BQL	1080	ug/L	U	100
2-Nitrophenol	BQL	1080	ug/L	U	100
2-methylphenol	BQL	1080	ug/L	U	100
3,3-Dichlorobenzidine	BQL	2150	ug/L	U	100
3-Nitroaniline	BQL	1080	ug/L	U	100
4,6-dinitro-2-methyl phenol	BQL	2150	ug/L	U	100
4-Bromophenyl-phenylether	BQL	1080	ug/L	U	100
4-Chloroaniline	BQL	1080	ug/L	U	100
4-Chlorophenyl Phenyl Ether	BQL	1080	ug/L	U	100
4-Nitroaniline	BQL	1080	ug/L	U	100
4-Nitrophenol	BQL	2150	ug/L	U	100
4-chloro-3-methylphenol	BQL	1080	ug/L	U	100
4-methylphenol	BQL	1080	ug/L	U	100
Acenaphthene	BQL	1080	ug/L	U	100
Acenaphthylene	BQL	1080	ug/L	U	100
Anthracene	BQL	1080	ug/L	U	100
Benzo(a)anthracene	BQL	1080	ug/L	U	100
Benzo(a)pyrene	BQL	1080	ug/L	U	100
Benzo(b)fluoranthene	BQL	1080	ug/L	U	100
Benzo(g,h,i)perylene	BQL	1080	ug/L	U	100
Benzo(k)fluoranthene	BQL	1080	ug/L	U	100
Benzyl Butyl Phthalate	BQL	1080	ug/L	U	100
Carbazole	BQL	1080	ug/L	U	100
Chrysene	BQL	1080	ug/L	U	100

Summary of Analytical Results

Client ID AA3010DL
GPL ID: 9164-010-07-1/2
Matrix: Water
Date Collected: Sep-26-2000
Date Received: Sep-27-2000

Prep Method: SW3520C
Prep Date: Oct-02-2000
Prep Time: 00:00
Prep Chemist: Veena Telhan

Analytical Method: SW8270CTCL
Date Analyzed: Oct-17-2000
Time Analyzed 17:15
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	1080	ug/L	U	100
Dibenzofuran	BQL	1080	ug/L	U	100
Diethyl Phthalate	BQL	1080	ug/L	U	100
Dimethyl Phthalate	BQL	1080	ug/L	U	100
Fluoranthene	BQL	1080	ug/L	U	100
Fluorene	BQL	1080	ug/L	U	100
Hexachlorobenzene	BQL	1080	ug/L	U	100
Hexachlorobutadiene	BQL	1080	ug/L	U	100
Hexachlorocyclopentadiene	BQL	1080	ug/L	U	100
Hexachloroethane	BQL	1080	ug/L	U	100
Indeno(1,2,3-c,d)Pyrene	BQL	1080	ug/L	U	100
Isophorone	BQL	1080	ug/L	U	100
Naphthalene	BQL	1080	ug/L	U	100
Nitrobenzene	BQL	1080	ug/L	U	100
Pentachlorophenol	BQL	2150	ug/L	U	100
Phenanthrene	BQL	1080	ug/L	U	100
Phenol	BQL	1080	ug/L	U	100
Pyrene	BQL	1080	ug/L	U	100
bis(2-chloroethoxy) methane	BQL	1080	ug/L	U	100
bis(2-chloroethyl) ether	BQL	1080	ug/L	U	100
bis(2-ethylhexyl) phthalate	BQL	1080	ug/L	U	100
di-n-Butyl Phthalate	BQL	1080	ug/L	U	100
di-n-Octyl Phthalate	BQL	1080	ug/L	U	100
n-Nitrosodi-n-Propylamine	BQL	1080	ug/L	U	100
n-Nitrosodiphenylamine	BQL	1080	ug/L	U	100

Summary of Analytical Results

Client ID AA3011DL
GPL ID: 9164-011-07-1/2
Matrix: Water
Date Collected: Sep-26-2000
Date Received: Sep-27-2000

Prep Method: SW3520C
Prep Date: Oct-02-2000
Prep Time: 00:00
Prep Chemist: Veena Telhan

Analytical Method: SW8270CTCL
Date Analyzed: Oct-17-2000
Time Analyzed 17:50
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	1080	ug/L	U	100
1,2-Dichlorobenzene	BQL	1080	ug/L	U	100
1,3-Dichlorobenzene	BQL	1080	ug/L	U	100
1,4-Dichlorobenzene	BQL	1080	ug/L	U	100
2,2-Oxybis(1-Chloro)Propane	BQL	1080	ug/L	U	100
2,4,5-Trichlorophenol	BQL	1080	ug/L	U	100
2,4,6-Trichlorophenol	BQL	1080	ug/L	U	100
2,4-Dichlorophenol	BQL	1080	ug/L	U	100
2,4-Dimethylphenol	BQL	1080	ug/L	U	100
2,4-Dinitrophenol	BQL	2150	ug/L	U	100
2,4-Dinitrotoluene	6760	1080	ug/L		100
2,6-Dinitrotoluene	6400	1080	ug/L		100
2-Chloronaphthalene	BQL	1080	ug/L	U	100
2-Chlorophenol	BQL	1080	ug/L	U	100
2-Methylnaphthalene	BQL	1080	ug/L	U	100
2-Nitroaniline	BQL	1080	ug/L	U	100
2-Nitrophenol	BQL	1080	ug/L	U	100
2-methylphenol	BQL	1080	ug/L	U	100
3,3-Dichlorobenzidine	BQL	2150	ug/L	U	100
3-Nitroaniline	BQL	1080	ug/L	U	100
4,6-dinitro-2-methyl phenol	BQL	2150	ug/L	U	100
4-Bromophenyl-phenylether	BQL	1080	ug/L	U	100
4-Chloroaniline	BQL	1080	ug/L	U	100
4-Chlorophenyl Phenyl Ether	BQL	1080	ug/L	U	100
4-Nitroaniline	BQL	1080	ug/L	U	100
4-Nitrophenol	BQL	2150	ug/L	U	100
4-chloro-3-methylphenol	BQL	1080	ug/L	U	100
4-methylphenol	BQL	1080	ug/L	U	100
Acenaphthene	BQL	1080	ug/L	U	100
Acenaphthylene	BQL	1080	ug/L	U	100
Anthracene	BQL	1080	ug/L	U	100
Benzo(a)anthracene	BQL	1080	ug/L	U	100
Benzo(a)pyrene	BQL	1080	ug/L	U	100
Benzo(b)fluoranthene	BQL	1080	ug/L	U	100
Benzo(g,h,i)perylene	BQL	1080	ug/L	U	100
Benzo(k)fluoranthene	BQL	1080	ug/L	U	100
Benzyl Butyl Phthalate	BQL	1080	ug/L	U	100
Carbazole	BQL	1080	ug/L	U	100
Chrysene	BQL	1080	ug/L	U	100

Summary of Analytical Results

Client ID AA3011DL
GPL ID: 9164-011-07-1/2
Matrix: Water
Date Collected: Sep-26-2000
Date Received: Sep-27-2000

Prep Method: SW3520C
Prep Date: Oct-02-2000
Prep Time: 00:00
Prep Chemist: Veena Telhan

Analytical Method: SW8270CTCL
Date Analyzed: Oct-17-2000
Time Analyzed 17:50
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	1080	ug/L	U	100
Dibenzofuran	BQL	1080	ug/L	U	100
Diethyl Phthalate	BQL	1080	ug/L	U	100
Dimethyl Phthalate	BQL	1080	ug/L	U	100
Fluoranthene	BQL	1080	ug/L	U	100
Fluorene	BQL	1080	ug/L	U	100
Hexachlorobenzene	BQL	1080	ug/L	U	100
Hexachlorobutadiene	BQL	1080	ug/L	U	100
Hexachlorocyclopentadiene	BQL	1080	ug/L	U	100
Hexachloroethane	BQL	1080	ug/L	U	100
Indeno(1,2,3-c,d)Pyrene	BQL	1080	ug/L	U	100
Isophorone	BQL	1080	ug/L	U	100
Naphthalene	BQL	1080	ug/L	U	100
Nitrobenzene	BQL	1080	ug/L	U	100
Pentachlorophenol	BQL	2150	ug/L	U	100
Phenanthrene	BQL	1080	ug/L	U	100
Phenol	BQL	1080	ug/L	U	100
Pyrene	BQL	1080	ug/L	U	100
bis(2-chloroethoxy) methane	BQL	1080	ug/L	U	100
bis(2-chloroethyl) ether	BQL	1080	ug/L	U	100
bis(2-ethylhexyl) phthalate	BQL	1080	ug/L	U	100
di-n-Butyl Phthalate	BQL	1080	ug/L	U	100
di-n-Octyl Phthalate	BQL	1080	ug/L	U	100
n-Nitrosodi-n-Propylamine	BQL	1080	ug/L	U	100
n-Nitrosodiphenylamine	BQL	1080	ug/L	U	100

Summary of Analytical Results

Client ID AA0440DL
GPL ID: 9164-002-05-1
Matrix: Soil
Date Collected: Sep-26-2000
Date Received: Sep-27-2000

Prep Method: SW3550
Prep Date: Oct-02-2000
Prep Time: 13:12
Prep Chemist: Saeid Soleimani

Analytical Method: SW8270CTCL
Date Analyzed: Oct-23-2000
Time Analyzed 18:06
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	4010	ug/kg	U	10
1,2-Dichlorobenzene	BQL	4010	ug/kg	U	10
1,3-Dichlorobenzene	BQL	4010	ug/kg	U	10
1,4-Dichlorobenzene	BQL	4010	ug/kg	U	10
2,2-Oxybis(1-Chloro)Propane	BQL	4010	ug/kg	U	10
2,4,5-Trichlorophenol	BQL	4010	ug/kg	U	10
2,4,6-Trichlorophenol	BQL	4010	ug/kg	U	10
2,4-Dichlorophenol	BQL	4010	ug/kg	U	10
2,4-Dimethylphenol	BQL	4010	ug/kg	U	10
2,4-Dinitrophenol	BQL	8020	ug/kg	U	10
2,4-Dinitrotoluene	241000	4010	ug/kg		10
2,6-Dinitrotoluene	61800	4010	ug/kg		10
2-Chloronaphthalene	BQL	4010	ug/kg	U	10
2-Chlorophenol	BQL	4010	ug/kg	U	10
2-Methylnaphthalene	BQL	4010	ug/kg	U	10
2-Nitroaniline	BQL	4010	ug/kg	U	10
2-Nitrophenol	BQL	4010	ug/kg	U	10
2-methylphenol	BQL	4010	ug/kg	U	10
3,3-Dichlorobenzidine	BQL	8020	ug/kg	U	10
3-Nitroaniline	BQL	4010	ug/kg	U	10
4,6-dinitro-2-methyl phenol	BQL	8020	ug/kg	U	10
4-Bromophenyl-phenylether	BQL	4010	ug/kg	U	10
4-Chloroaniline	BQL	4010	ug/kg	U	10
4-Chlorophenyl Phenyl Ether	BQL	4010	ug/kg	U	10
4-Nitroaniline	BQL	4010	ug/kg	U	10
4-Nitrophenol	BQL	8020	ug/kg	U	10
4-chloro-3-methylphenol	BQL	4010	ug/kg	U	10
4-methylphenol	BQL	4010	ug/kg	U	10
Acenaphthene	BQL	4010	ug/kg	U	10
Acenaphthylene	BQL	4010	ug/kg	U	10
Anthracene	BQL	4010	ug/kg	U	10
Benzo(a)anthracene	BQL	4010	ug/kg	U	10
Benzo(a)pyrene	BQL	4010	ug/kg	U	10
Benzo(b)fluoranthene	BQL	4010	ug/kg	U	10
Benzo(g,h,i)perylene	BQL	4010	ug/kg	U	10
Benzo(k)fluoranthene	BQL	4010	ug/kg	U	10
Benzyl Butyl Phthalate	BQL	4010	ug/kg	U	10
Carbazole	BQL	4010	ug/kg	U	10
Chrysene	BQL	4010	ug/kg	U	10

Summary of Analytical Results

Client ID AA0440DL
GPL ID: 9164-002-05-1
Matrix: Soil
Date Collected: Sep-26-2000
Date Received: Sep-27-2000

Prep Method: SW3550
Prep Date: Oct-02-2000
Prep Time: 13:12
Prep Chemist: Saeid Soleimani

Analytical Method: SW8270CTCL
Date Analyzed: Oct-23-2000
Time Analyzed 18:06
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	4010	ug/kg	U	10
Dibenzofuran	BQL	4010	ug/kg	U	10
Diethyl Phthalate	BQL	4010	ug/kg	U	10
Dimethyl Phthalate	BQL	4010	ug/kg	U	10
Fluoranthene	BQL	4010	ug/kg	U	10
Fluorene	BQL	4010	ug/kg	U	10
Hexachlorobenzene	BQL	4010	ug/kg	U	10
Hexachlorobutadiene	BQL	4010	ug/kg	U	10
Hexachlorocyclopentadiene	BQL	4010	ug/kg	U	10
Hexachloroethane	BQL	4010	ug/kg	U	10
Indeno(1,2,3-c,d)Pyrene	BQL	4010	ug/kg	U	10
Isophorone	BQL	4010	ug/kg	U	10
Naphthalene	BQL	4010	ug/kg	U	10
Nitrobenzene	BQL	4010	ug/kg	U	10
Pentachlorophenol	BQL	8020	ug/kg	U	10
Phenanthrene	BQL	4010	ug/kg	U	10
Phenol	BQL	4010	ug/kg	U	10
Pyrene	BQL	4010	ug/kg	U	10
bis(2-chloroethoxy) methane	BQL	4010	ug/kg	U	10
bis(2-chloroethyl) ether	BQL	4010	ug/kg	U	10
bis(2-ethylhexyl) phthalate	BQL	4010	ug/kg	U	10
di-n-Butyl Phthalate	BQL	4010	ug/kg	U	10
di-n-Octyl Phthalate	BQL	4010	ug/kg	U	10
n-Nitrosodi-n-Propylamine	BQL	4010	ug/kg	U	10
n-Nitrosodiphenylamine	BQL	4010	ug/kg	U	10

Summary of Analytical Results

Client ID AA0440DL2
GPL ID: 9164-002-05-1
Matrix: Soil
Date Collected: Sep-26-2000
Date Received: Sep-27-2000

Prep Method: SW3550
Prep Date: Oct-02-2000
Prep Time: 13:12
Prep Chemist: Saeid Soleimani

Analytical Method: SW8270CTCL
Date Analyzed: Oct-23-2000
Time Analyzed 19:46
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	40100	ug/kg	U	100
1,2-Dichlorobenzene	BQL	40100	ug/kg	U	100
1,3-Dichlorobenzene	BQL	40100	ug/kg	U	100
1,4-Dichlorobenzene	BQL	40100	ug/kg	U	100
2,2-Oxybis(1-Chloro)Propane	BQL	40100	ug/kg	U	100
2,4,5-Trichlorophenol	BQL	40100	ug/kg	U	100
2,4,6-Trichlorophenol	BQL	40100	ug/kg	U	100
2,4-Dichlorophenol	BQL	40100	ug/kg	U	100
2,4-Dimethylphenol	BQL	40100	ug/kg	U	100
2,4-Dinitrophenol	BQL	80200	ug/kg	U	100
2,4-Dinitrotoluene	107000	40100	ug/kg		100
2,6-Dinitrotoluene	31400	40100	ug/kg	J	100
2-Chloronaphthalene	BQL	40100	ug/kg	U	100
2-Chlorophenol	BQL	40100	ug/kg	U	100
2-Methylnaphthalene	BQL	40100	ug/kg	U	100
2-Nitroaniline	BQL	40100	ug/kg	U	100
2-Nitrophenol	BQL	40100	ug/kg	U	100
2-methylphenol	BQL	40100	ug/kg	U	100
3,3-Dichlorobenzidine	BQL	80200	ug/kg	U	100
3-Nitroaniline	BQL	40100	ug/kg	U	100
4,6-dinitro-2-methyl phenol	BQL	80200	ug/kg	U	100
4-Bromophenyl-phenylether	BQL	40100	ug/kg	U	100
4-Chloroaniline	BQL	40100	ug/kg	U	100
4-Chlorophenyl Phenyl Ether	BQL	40100	ug/kg	U	100
4-Nitroaniline	BQL	40100	ug/kg	U	100
4-Nitrophenol	BQL	80200	ug/kg	U	100
4-chloro-3-methylphenol	BQL	40100	ug/kg	U	100
4-methylphenol	BQL	40100	ug/kg	U	100
Acenaphthene	BQL	40100	ug/kg	U	100
Acenaphthylene	BQL	40100	ug/kg	U	100
Anthracene	BQL	40100	ug/kg	U	100
Benzo(a)anthracene	BQL	40100	ug/kg	U	100
Benzo(a)pyrene	BQL	40100	ug/kg	U	100
Benzo(b)fluoranthene	BQL	40100	ug/kg	U	100
Benzo(g,h,i)perylene	BQL	40100	ug/kg	U	100
Benzo(k)fluoranthene	BQL	40100	ug/kg	U	100
Benzyl Butyl Phthalate	BQL	40100	ug/kg	U	100
Carbazole	BQL	40100	ug/kg	U	100
Chrysene	BQL	40100	ug/kg	U	100

Summary of Analytical Results

Client ID AA0440DL2
GPL ID: 9164-002-05-1
Matrix: Soil
Date Collected: Sep-26-2000
Date Received: Sep-27-2000

Prep Method: SW3550
Prep Date: Oct-02-2000
Prep Time: 13:12
Prep Chemist: Saeid Soleimani

Analytical Method: SW8270CTCL
Date Analyzed: Oct-23-2000
Time Analyzed 19:46
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	40100	ug/kg	U	100
Dibenzofuran	BQL	40100	ug/kg	U	100
Diethyl Phthalate	BQL	40100	ug/kg	U	100
Dimethyl Phthalate	BQL	40100	ug/kg	U	100
Fluoranthene	BQL	40100	ug/kg	U	100
Fluorene	BQL	40100	ug/kg	U	100
Hexachlorobenzene	BQL	40100	ug/kg	U	100
Hexachlorobutadiene	BQL	40100	ug/kg	U	100
Hexachlorocyclopentadiene	BQL	40100	ug/kg	U	100
Hexachloroethane	BQL	40100	ug/kg	U	100
Indeno(1,2,3-c,d)Pyrene	BQL	40100	ug/kg	U	100
Isophorone	BQL	40100	ug/kg	U	100
Naphthalene	BQL	40100	ug/kg	U	100
Nitrobenzene	BQL	40100	ug/kg	U	100
Pentachlorophenol	BQL	80200	ug/kg	U	100
Phenanthrene	BQL	40100	ug/kg	U	100
Phenol	BQL	40100	ug/kg	U	100
Pyrene	BQL	40100	ug/kg	U	100
bis(2-chloroethoxy) methane	BQL	40100	ug/kg	U	100
bis(2-chloroethyl) ether	BQL	40100	ug/kg	U	100
bis(2-ethylhexyl) phthalate	BQL	40100	ug/kg	U	100
di-n-Butyl Phthalate	BQL	40100	ug/kg	U	100
di-n-Octyl Phthalate	BQL	40100	ug/kg	U	100
n-Nitrosodi-n-Propylamine	BQL	40100	ug/kg	U	100
n-Nitrosodiphenylamine	BQL	40100	ug/kg	U	100

Summary of Analytical Results

Client ID AA0452
GPL ID: 9164-003-05-1
Matrix: Soil
Date Collected: Sep-26-2000
Date Received: Sep-27-2000

Prep Method: SW3550
Prep Date: Oct-02-2000
Prep Time: 13:12
Prep Chemist: Saeid Soleimani

Analytical Method: SW8270CTCL
Date Analyzed: Oct-23-2000
Time Analyzed 00:58
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	394	ug/kg	U	1
1,2-Dichlorobenzene	BQL	394	ug/kg	U	1
1,3-Dichlorobenzene	BQL	394	ug/kg	U	1
1,4-Dichlorobenzene	BQL	394	ug/kg	U	1
2,2-Oxybis(1-Chloro)Propane	BQL	394	ug/kg	U	1
2,4,5-Trichlorophenol	BQL	394	ug/kg	U	1
2,4,6-Trichlorophenol	BQL	394	ug/kg	U	1
2,4-Dichlorophenol	BQL	394	ug/kg	U	1
2,4-Dimethylphenol	BQL	394	ug/kg	U	1
2,4-Dinitrophenol	BQL	788	ug/kg	U	1
2,4-Dinitrotoluene	BQL	394	ug/kg	U	1
2,6-Dinitrotoluene	BQL	394	ug/kg	U	1
2-Chloronaphthalene	BQL	394	ug/kg	U	1
2-Chlorophenol	BQL	394	ug/kg	U	1
2-Methylnaphthalene	BQL	394	ug/kg	U	1
2-Nitroaniline	BQL	394	ug/kg	U	1
2-Nitrophenol	BQL	394	ug/kg	U	1
2-methylphenol	BQL	394	ug/kg	U	1
3,3-Dichlorobenzidine	BQL	788	ug/kg	U	1
3-Nitroaniline	BQL	394	ug/kg	U	1
4,6-dinitro-2-methyl phenol	BQL	788	ug/kg	U	1
4-Bromophenyl-phenylether	BQL	394	ug/kg	U	1
4-Chloroaniline	BQL	394	ug/kg	U	1
4-Chlorophenyl Phenyl Ether	BQL	394	ug/kg	U	1
4-Nitroaniline	BQL	394	ug/kg	U	1
4-Nitrophenol	BQL	788	ug/kg	U	1
4-chloro-3-methylphenol	BQL	394	ug/kg	U	1
4-methylphenol	BQL	394	ug/kg	U	1
Acenaphthene	BQL	394	ug/kg	U	1
Acenaphthylene	BQL	394	ug/kg	U	1
Anthracene	BQL	394	ug/kg	U	1
Benzo(a)anthracene	38.6	394	ug/kg	J	1
Benzo(a)pyrene	BQL	394	ug/kg	U	1
Benzo(b)fluoranthene	BQL	394	ug/kg	U	1
Benzo(g,h,i)perylene	BQL	394	ug/kg	U	1
Benzo(k)fluoranthene	BQL	394	ug/kg	U	1
Benzyl Butyl Phthalate	BQL	394	ug/kg	U	1
Carbazole	BQL	394	ug/kg	U	1
Chrysene	BQL	394	ug/kg	U	1

Summary of Analytical Results

Client ID AA0452
GPL ID: 9164-003-05-1
Matrix: Soil
Date Collected: Sep-26-2000
Date Received: Sep-27-2000

Prep Method: SW3550
Prep Date: Oct-02-2000
Prep Time: 13:12
Prep Chemist: Saeid Soleimani

Analytical Method: SW8270CTCL
Date Analyzed: Oct-23-2000
Time Analyzed 00:58
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	394	ug/kg	U	1
Dibenzofuran	BQL	394	ug/kg	U	1
Diethyl Phthalate	BQL	394	ug/kg	U	1
Dimethyl Phthalate	BQL	394	ug/kg	U	1
Fluoranthene	BQL	394	ug/kg	U	1
Fluorene	BQL	394	ug/kg	U	1
Hexachlorobenzene	BQL	394	ug/kg	U	1
Hexachlorobutadiene	BQL	394	ug/kg	U	1
Hexachlorocyclopentadiene	BQL	394	ug/kg	U	1
Hexachloroethane	BQL	394	ug/kg	U	1
Indeno(1,2,3-c,d)Pyrene	BQL	394	ug/kg	U	1
Isophorone	BQL	394	ug/kg	U	1
Naphthalene	BQL	394	ug/kg	U	1
Nitrobenzene	BQL	394	ug/kg	U	1
Pentachlorophenol	BQL	788	ug/kg	U	1
Phenanthrene	51.6	394	ug/kg	J	1
Phenol	BQL	394	ug/kg	U	1
Pyrene	BQL	394	ug/kg	U	1
bis(2-chloroethoxy) methane	BQL	394	ug/kg	U	1
bis(2-chloroethyl) ether	BQL	394	ug/kg	U	1
bis(2-ethylhexyl) phthalate	BQL	394	ug/kg	U	1
di-n-Butyl Phthalate	BQL	394	ug/kg	U	1
di-n-Octyl Phthalate	BQL	394	ug/kg	U	1
n-Nitrosodi-n-Propylamine	BQL	394	ug/kg	U	1
n-Nitrosodiphenylamine	BQL	394	ug/kg	U	1

Summary of Analytical Results

Client ID AA0472
GPL ID: 9164-004-05-1
Matrix: Soil
Date Collected: Sep-26-2000
Date Received: Sep-27-2000

Prep Method: SW3550
Prep Date: Oct-02-2000
Prep Time: 13:12
Prep Chemist: Saeid Soleimani

Analytical Method: SW8270CTCL
Date Analyzed: Oct-23-2000
Time Analyzed 12:14
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	413	ug/kg	U	1
1,2-Dichlorobenzene	BQL	413	ug/kg	U	1
1,3-Dichlorobenzene	BQL	413	ug/kg	U	1
1,4-Dichlorobenzene	BQL	413	ug/kg	U	1
2,2-Oxybis(1-Chloro)Propane	BQL	413	ug/kg	U	1
2,4,5-Trichlorophenol	BQL	413	ug/kg	U	1
2,4,6-Trichlorophenol	BQL	413	ug/kg	U	1
2,4-Dichlorophenol	BQL	413	ug/kg	U	1
2,4-Dimethylphenol	BQL	413	ug/kg	U	1
2,4-Dinitrophenol	BQL	827	ug/kg	U	1
2,4-Dinitrotoluene	BQL	413	ug/kg	U	1
2,6-Dinitrotoluene	BQL	413	ug/kg	U	1
2-Chloronaphthalene	BQL	413	ug/kg	U	1
2-Chlorophenol	BQL	413	ug/kg	U	1
2-Methylnaphthalene	BQL	413	ug/kg	U	1
2-Nitroaniline	BQL	413	ug/kg	U	1
2-Nitrophenol	BQL	413	ug/kg	U	1
2-methylphenol	BQL	413	ug/kg	U	1
3,3-Dichlorobenzidine	BQL	827	ug/kg	U	1
3-Nitroaniline	BQL	413	ug/kg	U	1
4,6-dinitro-2-methyl phenol	BQL	827	ug/kg	U	1
4-Bromophenyl-phenylether	BQL	413	ug/kg	U	1
4-Chloroaniline	BQL	413	ug/kg	U	1
4-Chlorophenyl Phenyl Ether	BQL	413	ug/kg	U	1
4-Nitroaniline	BQL	413	ug/kg	U	1
4-Nitrophenol	BQL	827	ug/kg	U	1
4-chloro-3-methylphenol	BQL	413	ug/kg	U	1
4-methylphenol	BQL	413	ug/kg	U	1
Acenaphthene	BQL	413	ug/kg	U	1
Acenaphthylene	BQL	413	ug/kg	U	1
Anthracene	BQL	413	ug/kg	U	1
Benzo(a)anthracene	BQL	413	ug/kg	U	1
Benzo(a)pyrene	BQL	413	ug/kg	U	1
Benzo(b)fluoranthene	BQL	413	ug/kg	U	1
Benzo(g,h,i)perylene	BQL	413	ug/kg	U	1
Benzo(k)fluoranthene	BQL	413	ug/kg	U	1
Benzyl Butyl Phthalate	BQL	413	ug/kg	U	1
Carbazole	BQL	413	ug/kg	U	1
Chrysene	BQL	413	ug/kg	U	1

Summary of Analytical Results

Client ID AA0472
GPL ID: 9164-004-05-1
Matrix: Soil
Date Collected: Sep-26-2000
Date Received: Sep-27-2000

Prep Method: SW3550
Prep Date: Oct-02-2000
Prep Time: 13:12
Prep Chemist: Saeid Soleimani

Analytical Method: SW8270CTCL
Date Analyzed: Oct-23-2000
Time Analyzed 12:14
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	413	ug/kg	U	1
Dibenzofuran	BQL	413	ug/kg	U	1
Diethyl Phthalate	BQL	413	ug/kg	U	1
Dimethyl Phthalate	BQL	413	ug/kg	U	1
Fluoranthene	BQL	413	ug/kg	U	1
Fluorene	BQL	413	ug/kg	U	1
Hexachlorobenzene	BQL	413	ug/kg	U	1
Hexachlorobutadiene	BQL	413	ug/kg	U	1
Hexachlorocyclopentadiene	BQL	413	ug/kg	U	1
Hexachloroethane	BQL	413	ug/kg	U	1
Indeno(1,2,3-c,d)Pyrene	BQL	413	ug/kg	U	1
Isophorone	BQL	413	ug/kg	U	1
Naphthalene	BQL	413	ug/kg	U	1
Nitrobenzene	BQL	413	ug/kg	U	1
Pentachlorophenol	BQL	827	ug/kg	U	1
Phenanthrene	BQL	413	ug/kg	U	1
Phenol	BQL	413	ug/kg	U	1
Pyrene	BQL	413	ug/kg	U	1
bis(2-chloroethoxy) methane	BQL	413	ug/kg	U	1
bis(2-chloroethyl) ether	BQL	413	ug/kg	U	1
bis(2-ethylhexyl) phthalate	BQL	413	ug/kg	U	1
di-n-Butyl Phthalate	BQL	413	ug/kg	U	1
di-n-Octyl Phthalate	BQL	413	ug/kg	U	1
n-Nitrosodi-n-Propylamine	BQL	413	ug/kg	U	1
n-Nitrosodiphenylamine	BQL	413	ug/kg	U	1

Summary of Analytical Results

Client ID AA0473
GPL ID: 9164-005-05-1
Matrix: Soil
Date Collected: Sep-26-2000
Date Received: Sep-27-2000

Prep Method: SW3550
Prep Date: Oct-02-2000
Prep Time: 13:12
Prep Chemist: Saeid Soleimani

Analytical Method: SW8270CTCL
Date Analyzed: Oct-23-2000
Time Analyzed 02:38
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	406	ug/kg	U	1
1,2-Dichlorobenzene	BQL	406	ug/kg	U	1
1,3-Dichlorobenzene	BQL	406	ug/kg	U	1
1,4-Dichlorobenzene	BQL	406	ug/kg	U	1
2,2-Oxybis(1-Chloro)Propane	BQL	406	ug/kg	U	1
2,4,5-Trichlorophenol	BQL	406	ug/kg	U	1
2,4,6-Trichlorophenol	BQL	406	ug/kg	U	1
2,4-Dichlorophenol	BQL	406	ug/kg	U	1
2,4-Dimethylphenol	BQL	406	ug/kg	U	1
2,4-Dinitrophenol	BQL	812	ug/kg	U	1
2,4-Dinitrotoluene	BQL	406	ug/kg	U	1
2,6-Dinitrotoluene	BQL	406	ug/kg	U	1
2-Chloronaphthalene	BQL	406	ug/kg	U	1
2-Chlorophenol	BQL	406	ug/kg	U	1
2-Methylnaphthalene	BQL	406	ug/kg	U	1
2-Nitroaniline	BQL	406	ug/kg	U	1
2-Nitrophenol	BQL	406	ug/kg	U	1
2-methylphenol	BQL	406	ug/kg	U	1
3,3-Dichlorobenzidine	BQL	812	ug/kg	U	1
3-Nitroaniline	BQL	406	ug/kg	U	1
4,6-dinitro-2-methyl phenol	BQL	812	ug/kg	U	1
4-Bromophenyl-phenylether	BQL	406	ug/kg	U	1
4-Chloroaniline	BQL	406	ug/kg	U	1
4-Chlorophenyl Phenyl Ether	BQL	406	ug/kg	U	1
4-Nitroaniline	BQL	406	ug/kg	U	1
4-Nitrophenol	BQL	812	ug/kg	U	1
4-chloro-3-methylphenol	BQL	406	ug/kg	U	1
4-methylphenol	BQL	406	ug/kg	U	1
Acenaphthene	BQL	406	ug/kg	U	1
Acenaphthylene	BQL	406	ug/kg	U	1
Anthracene	BQL	406	ug/kg	U	1
Benzo(a)anthracene	BQL	406	ug/kg	U	1
Benzo(a)pyrene	BQL	406	ug/kg	U	1
Benzo(b)fluoranthene	BQL	406	ug/kg	U	1
Benzo(g,h,i)perylene	BQL	406	ug/kg	U	1
Benzo(k)fluoranthene	BQL	406	ug/kg	U	1
Benzyl Butyl Phthalate	BQL	406	ug/kg	U	1
Carbazole	BQL	406	ug/kg	U	1
Chrysene	BQL	406	ug/kg	U	1

Summary of Analytical Results

Client ID AA0473
GPL ID: 9164-005-05-1
Matrix: Soil
Date Collected: Sep-26-2000
Date Received: Sep-27-2000

Prep Method: SW3550
Prep Date: Oct-02-2000
Prep Time: 13:12
Prep Chemist: Saeid Soleimani

Analytical Method: SW8270CTCL
Date Analyzed: Oct-23-2000
Time Analyzed 02:38
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	406	ug/kg	U	1
Dibenzofuran	BQL	406	ug/kg	U	1
Diethyl Phthalate	BQL	406	ug/kg	U	1
Dimethyl Phthalate	BQL	406	ug/kg	U	1
Fluoranthene	BQL	406	ug/kg	U	1
Fluorene	BQL	406	ug/kg	U	1
Hexachlorobenzene	BQL	406	ug/kg	U	1
Hexachlorobutadiene	BQL	406	ug/kg	U	1
Hexachlorocyclopentadiene	BQL	406	ug/kg	U	1
Hexachloroethane	BQL	406	ug/kg	U	1
Indeno(1,2,3-c,d)Pyrene	BQL	406	ug/kg	U	1
Isophorone	BQL	406	ug/kg	U	1
Naphthalene	BQL	406	ug/kg	U	1
Nitrobenzene	BQL	406	ug/kg	U	1
Pentachlorophenol	BQL	812	ug/kg	U	1
Phenanthrene	BQL	406	ug/kg	U	1
Phenol	BQL	406	ug/kg	U	1
Pyrene	BQL	406	ug/kg	U	1
bis(2-chloroethoxy) methane	BQL	406	ug/kg	U	1
bis(2-chloroethyl) ether	BQL	406	ug/kg	U	1
bis(2-ethylhexyl) phthalate	BQL	406	ug/kg	U	1
di-n-Butyl Phthalate	BQL	406	ug/kg	U	1
di-n-Octyl Phthalate	BQL	406	ug/kg	U	1
n-Nitrosodi-n-Propylamine	BQL	406	ug/kg	U	1
n-Nitrosodiphenylamine	BQL	406	ug/kg	U	1

Summary of Analytical Results

Client ID AA0474
GPL ID: 9164-006-05-1
Matrix: Soil
Date Collected: Sep-26-2000
Date Received: Sep-27-2000

Prep Method: SW3550
Prep Date: Oct-02-2000
Prep Time: 13:12
Prep Chemist: Saeid Soleimani

Analytical Method: SW8270CTCL
Date Analyzed: Oct-23-2000
Time Analyzed 03:27
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	412	ug/kg	U	1
1,2-Dichlorobenzene	BQL	412	ug/kg	U	1
1,3-Dichlorobenzene	BQL	412	ug/kg	U	1
1,4-Dichlorobenzene	BQL	412	ug/kg	U	1
2,2-Oxybis(1-Chloro)Propane	BQL	412	ug/kg	U	1
2,4,5-Trichlorophenol	BQL	412	ug/kg	U	1
2,4,6-Trichlorophenol	BQL	412	ug/kg	U	1
2,4-Dichlorophenol	BQL	412	ug/kg	U	1
2,4-Dimethylphenol	BQL	412	ug/kg	U	1
2,4-Dinitrophenol	BQL	823	ug/kg	U	1
2,4-Dinitrotoluene	BQL	412	ug/kg	U	1
2,6-Dinitrotoluene	BQL	412	ug/kg	U	1
2-Chloronaphthalene	BQL	412	ug/kg	U	1
2-Chlorophenol	BQL	412	ug/kg	U	1
2-Methylnaphthalene	BQL	412	ug/kg	U	1
2-Nitroaniline	BQL	412	ug/kg	U	1
2-Nitrophenol	BQL	412	ug/kg	U	1
2-methylphenol	BQL	412	ug/kg	U	1
3,3-Dichlorobenzidine	BQL	823	ug/kg	U	1
3-Nitroaniline	BQL	412	ug/kg	U	1
4,6-dinitro-2-methyl phenol	BQL	823	ug/kg	U	1
4-Bromophenyl-phenylether	BQL	412	ug/kg	U	1
4-Chloroaniline	BQL	412	ug/kg	U	1
4-Chlorophenyl Phenyl Ether	BQL	412	ug/kg	U	1
4-Nitroaniline	BQL	412	ug/kg	U	1
4-Nitrophenol	BQL	823	ug/kg	U	1
4-chloro-3-methylphenol	BQL	412	ug/kg	U	1
4-methylphenol	BQL	412	ug/kg	U	1
Acenaphthene	BQL	412	ug/kg	U	1
Acenaphthylene	BQL	412	ug/kg	U	1
Anthracene	BQL	412	ug/kg	U	1
Benzo(a)anthracene	BQL	412	ug/kg	U	1
Benzo(a)pyrene	BQL	412	ug/kg	U	1
Benzo(b)fluoranthene	BQL	412	ug/kg	U	1
Benzo(g,h,i)perylene	BQL	412	ug/kg	U	1
Benzo(k)fluoranthene	BQL	412	ug/kg	U	1
Benzyl Butyl Phthalate	BQL	412	ug/kg	U	1
Carbazole	BQL	412	ug/kg	U	1
Chrysene	BQL	412	ug/kg	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AA0474
GPL ID: 9164-006-05-1
Matrix: Soil
Date Collected: Sep-26-2000
Date Received: Sep-27-2000

Prep Method: SW3550
Prep Date: Oct-02-2000
Prep Time: 13:12
Prep Chemist: Saeid Soleimani

Analytical Method: SW8270CTCL
Date Analyzed: Oct-23-2000
Time Analyzed 03:27
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	412	ug/kg	U	1
Dibenzofuran	BQL	412	ug/kg	U	1
Diethyl Phthalate	BQL	412	ug/kg	U	1
Dimethyl Phthalate	BQL	412	ug/kg	U	1
Fluoranthene	BQL	412	ug/kg	U	1
Fluorene	BQL	412	ug/kg	U	1
Hexachlorobenzene	BQL	412	ug/kg	U	1
Hexachlorobutadiene	BQL	412	ug/kg	U	1
Hexachlorocyclopentadiene	BQL	412	ug/kg	U	1
Hexachloroethane	BQL	412	ug/kg	U	1
Indeno(1,2,3-c,d)Pyrene	BQL	412	ug/kg	U	1
Isophorone	BQL	412	ug/kg	U	1
Naphthalene	BQL	412	ug/kg	U	1
Nitrobenzene	BQL	412	ug/kg	U	1
Pentachlorophenol	BQL	823	ug/kg	U	1
Phenanthrene	BQL	412	ug/kg	U	1
Phenol	BQL	412	ug/kg	U	1
Pyrene	BQL	412	ug/kg	U	1
bis(2-chloroethoxy) methane	BQL	412	ug/kg	U	1
bis(2-chloroethyl) ether	BQL	412	ug/kg	U	1
bis(2-ethylhexyl) phthalate	BQL	412	ug/kg	U	1
di-n-Butyl Phthalate	BQL	412	ug/kg	U	1
di-n-Octyl Phthalate	BQL	412	ug/kg	U	1
n-Nitrosodi-n-Propylamine	BQL	412	ug/kg	U	1
n-Nitrosodiphenylamine	BQL	412	ug/kg	U	1

Summary of Analytical Results

Client ID AA0475
GPL ID: 9164-007-05-1
Matrix: Soil
Date Collected: Sep-26-2000
Date Received: Sep-27-2000

Prep Method: SW3550
Prep Date: Oct-02-2000
Prep Time: 13:12
Prep Chemist: Saeid Soleimani

Analytical Method: SW8270CTCL
Date Analyzed: Oct-23-2000
Time Analyzed 04:17
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	379	ug/kg	U	1
1,2-Dichlorobenzene	BQL	379	ug/kg	U	1
1,3-Dichlorobenzene	BQL	379	ug/kg	U	1
1,4-Dichlorobenzene	BQL	379	ug/kg	U	1
2,2-Oxybis(1-Chloro)Propane	BQL	379	ug/kg	U	1
2,4,5-Trichlorophenol	BQL	379	ug/kg	U	1
2,4,6-Trichlorophenol	BQL	379	ug/kg	U	1
2,4-Dichlorophenol	BQL	379	ug/kg	U	1
2,4-Dimethylphenol	BQL	379	ug/kg	U	1
2,4-Dinitrophenol	BQL	757	ug/kg	U	1
2,4-Dinitrotoluene	BQL	379	ug/kg	U	1
2,6-Dinitrotoluene	BQL	379	ug/kg	U	1
2-Chloronaphthalene	BQL	379	ug/kg	U	1
2-Chlorophenol	BQL	379	ug/kg	U	1
2-Methylnaphthalene	BQL	379	ug/kg	U	1
2-Nitroaniline	BQL	379	ug/kg	U	1
2-Nitrophenol	BQL	379	ug/kg	U	1
2-methylphenol	BQL	379	ug/kg	U	1
3,3-Dichlorobenzidine	BQL	757	ug/kg	U	1
3-Nitroaniline	BQL	379	ug/kg	U	1
4,6-dinitro-2-methyl phenol	BQL	757	ug/kg	U	1
4-Bromophenyl-phenylether	BQL	379	ug/kg	U	1
4-Chloroaniline	BQL	379	ug/kg	U	1
4-Chlorophenyl Phenyl Ether	BQL	379	ug/kg	U	1
4-Nitroaniline	BQL	379	ug/kg	U	1
4-Nitrophenol	BQL	757	ug/kg	U	1
4-chloro-3-methylphenol	BQL	379	ug/kg	U	1
4-methylphenol	BQL	379	ug/kg	U	1
Acenaphthene	BQL	379	ug/kg	U	1
Acenaphthylene	BQL	379	ug/kg	U	1
Anthracene	BQL	379	ug/kg	U	1
Benzo(a)anthracene	BQL	379	ug/kg	U	1
Benzo(a)pyrene	BQL	379	ug/kg	U	1
Benzo(b)fluoranthene	BQL	379	ug/kg	U	1
Benzo(g,h,i)perylene	BQL	379	ug/kg	U	1
Benzo(k)fluoranthene	BQL	379	ug/kg	U	1
Benzyl Butyl Phthalate	BQL	379	ug/kg	U	1
Carbazole	BQL	379	ug/kg	U	1
Chrysene	BQL	379	ug/kg	U	1

Summary of Analytical Results

Client ID AA0475
GPL ID: 9164-007-05-1
Matrix: Soil
Date Collected: Sep-26-2000
Date Received: Sep-27-2000

Prep Method: SW3550
Prep Date: Oct-02-2000
Prep Time: 13:12
Prep Chemist: Saeid Soleimani

Analytical Method: SW8270CTCL
Date Analyzed: Oct-23-2000
Time Analyzed 04:17
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	379	ug/kg	U	1
Dibenzofuran	BQL	379	ug/kg	U	1
Diethyl Phthalate	BQL	379	ug/kg	U	1
Dimethyl Phthalate	BQL	379	ug/kg	U	1
Fluoranthene	BQL	379	ug/kg	U	1
Fluorene	BQL	379	ug/kg	U	1
Hexachlorobenzene	BQL	379	ug/kg	U	1
Hexachlorobutadiene	BQL	379	ug/kg	U	1
Hexachlorocyclopentadiene	BQL	379	ug/kg	U	1
Hexachloroethane	BQL	379	ug/kg	U	1
Indeno(1,2,3-c,d)Pyrene	BQL	379	ug/kg	U	1
Isophorone	BQL	379	ug/kg	U	1
Naphthalene	BQL	379	ug/kg	U	1
Nitrobenzene	BQL	379	ug/kg	U	1
Pentachlorophenol	BQL	757	ug/kg	U	1
Phenanthrene	BQL	379	ug/kg	U	1
Phenol	BQL	379	ug/kg	U	1
Pyrene	BQL	379	ug/kg	U	1
bis(2-chloroethoxy) methane	BQL	379	ug/kg	U	1
bis(2-chloroethyl) ether	BQL	379	ug/kg	U	1
bis(2-ethylhexyl) phthalate	BQL	379	ug/kg	U	1
di-n-Butyl Phthalate	BQL	379	ug/kg	U	1
di-n-Octyl Phthalate	BQL	379	ug/kg	U	1
n-Nitrosodi-n-Propylamine	BQL	379	ug/kg	U	1
n-Nitrosodiphenylamine	BQL	379	ug/kg	U	1

Summary of Analytical Results

Client ID AA0478
GPL ID: 9164-008-05-1
Matrix: Soil
Date Collected: Sep-26-2000
Date Received: Sep-27-2000

Prep Method: SW3550
Prep Date: Oct-02-2000
Prep Time: 13:12
Prep Chemist: Saeid Soleimani

Analytical Method: SW8270CTCL
Date Analyzed: Oct-23-2000
Time Analyzed 17:16
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	384	ug/kg	U	1
1,2-Dichlorobenzene	BQL	384	ug/kg	U	1
1,3-Dichlorobenzene	BQL	384	ug/kg	U	1
1,4-Dichlorobenzene	BQL	384	ug/kg	U	1
2,2-Oxybis(1-Chloro)Propane	BQL	384	ug/kg	U	1
2,4,5-Trichlorophenol	BQL	384	ug/kg	U	1
2,4,6-Trichlorophenol	BQL	384	ug/kg	U	1
2,4-Dichlorophenol	BQL	384	ug/kg	U	1
2,4-Dimethylphenol	BQL	384	ug/kg	U	1
2,4-Dinitrophenol	BQL	769	ug/kg	U	1
2,4-Dinitrotoluene	222	384	ug/kg	J	1
2,6-Dinitrotoluene	BQL	384	ug/kg	U	1
2-Chloronaphthalene	BQL	384	ug/kg	U	1
2-Chlorophenol	BQL	384	ug/kg	U	1
2-Methylnaphthalene	BQL	384	ug/kg	U	1
2-Nitroaniline	BQL	384	ug/kg	U	1
2-Nitrophenol	BQL	384	ug/kg	U	1
2-methylphenol	BQL	384	ug/kg	U	1
3,3-Dichlorobenzidine	BQL	769	ug/kg	U	1
3-Nitroaniline	BQL	384	ug/kg	U	1
4,6-dinitro-2-methyl phenol	BQL	769	ug/kg	U	1
4-Bromophenyl-phenylether	BQL	384	ug/kg	U	1
4-Chloroaniline	BQL	384	ug/kg	U	1
4-Chlorophenyl Phenyl Ether	BQL	384	ug/kg	U	1
4-Nitroaniline	BQL	384	ug/kg	U	1
4-Nitrophenol	BQL	769	ug/kg	U	1
4-chloro-3-methylphenol	BQL	384	ug/kg	U	1
4-methylphenol	BQL	384	ug/kg	U	1
Acenaphthene	BQL	384	ug/kg	U	1
Acenaphthylene	BQL	384	ug/kg	U	1
Anthracene	BQL	384	ug/kg	U	1
Benzo(a)anthracene	BQL	384	ug/kg	U	1
Benzo(a)pyrene	BQL	384	ug/kg	U	1
Benzo(b)fluoranthene	BQL	384	ug/kg	U	1
Benzo(g,h,i)perylene	BQL	384	ug/kg	U	1
Benzo(k)fluoranthene	BQL	384	ug/kg	U	1
Benzyl Butyl Phthalate	BQL	384	ug/kg	U	1
Carbazole	BQL	384	ug/kg	U	1
Chrysene	BQL	384	ug/kg	U	1

Summary of Analytical Results

Client ID AA0478
GPL ID: 9164-008-05-1
Matrix: Soil
Date Collected: Sep-26-2000
Date Received: Sep-27-2000

Prep Method: SW3550
Prep Date: Oct-02-2000
Prep Time: 13:12
Prep Chemist: Saeid Soleimani

Analytical Method: SW8270CTCL
Date Analyzed: Oct-23-2000
Time Analyzed 17:16
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	384	ug/kg	U	1
Dibenzofuran	BQL	384	ug/kg	U	1
Diethyl Phthalate	BQL	384	ug/kg	U	1
Dimethyl Phthalate	BQL	384	ug/kg	U	1
Fluoranthene	BQL	384	ug/kg	U	1
Fluorene	BQL	384	ug/kg	U	1
Hexachlorobenzene	BQL	384	ug/kg	U	1
Hexachlorobutadiene	BQL	384	ug/kg	U	1
Hexachlorocyclopentadiene	BQL	384	ug/kg	U	1
Hexachloroethane	BQL	384	ug/kg	U	1
Indeno(1,2,3-c,d)Pyrene	BQL	384	ug/kg	U	1
Isophorone	BQL	384	ug/kg	U	1
Naphthalene	BQL	384	ug/kg	U	1
Nitrobenzene	BQL	384	ug/kg	U	1
Pentachlorophenol	BQL	769	ug/kg	U	1
Phenanthrene	BQL	384	ug/kg	U	1
Phenol	BQL	384	ug/kg	U	1
Pyrene	BQL	384	ug/kg	U	1
bis(2-chloroethoxy) methane	BQL	384	ug/kg	U	1
bis(2-chloroethyl) ether	BQL	384	ug/kg	U	1
bis(2-ethylhexyl) phthalate	BQL	384	ug/kg	U	1
di-n-Butyl Phthalate	BQL	384	ug/kg	U	1
di-n-Octyl Phthalate	BQL	384	ug/kg	U	1
n-Nitrosodi-n-Propylamine	BQL	384	ug/kg	U	1
n-Nitrosodiphenylamine	BQL	384	ug/kg	U	1

Summary of Analytical Results

Client ID AA0479
GPL ID: 9164-009-05-1
Matrix: Soil
Date Collected: Sep-26-2000
Date Received: Sep-27-2000

Prep Method: SW3550
Prep Date: Oct-02-2000
Prep Time: 13:12
Prep Chemist: Saeid Soleimani

Analytical Method: SW8270CTCL
Date Analyzed: Oct-23-2000
Time Analyzed 13:04
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	401	ug/kg	U	1
1,2-Dichlorobenzene	BQL	401	ug/kg	U	1
1,3-Dichlorobenzene	BQL	401	ug/kg	U	1
1,4-Dichlorobenzene	BQL	401	ug/kg	U	1
2,2-Oxybis(1-Chloro)Propane	BQL	401	ug/kg	U	1
2,4,5-Trichlorophenol	BQL	401	ug/kg	U	1
2,4,6-Trichlorophenol	BQL	401	ug/kg	U	1
2,4-Dichlorophenol	BQL	401	ug/kg	U	1
2,4-Dimethylphenol	BQL	401	ug/kg	U	1
2,4-Dinitrophenol	BQL	801	ug/kg	U	1
2,4-Dinitrotoluene	7390	401	ug/kg		1
2,6-Dinitrotoluene	342	401	ug/kg	J	1
2-Chloronaphthalene	BQL	401	ug/kg	U	1
2-Chlorophenol	BQL	401	ug/kg	U	1
2-Methylnaphthalene	BQL	401	ug/kg	U	1
2-Nitroaniline	BQL	401	ug/kg	U	1
2-Nitrophenol	BQL	401	ug/kg	U	1
2-methylphenol	BQL	401	ug/kg	U	1
3,3-Dichlorobenzidine	BQL	801	ug/kg	U	1
3-Nitroaniline	BQL	401	ug/kg	U	1
4,6-dinitro-2-methyl phenol	BQL	801	ug/kg	U	1
4-Bromophenyl-phenylether	BQL	401	ug/kg	U	1
4-Chloroaniline	BQL	401	ug/kg	U	1
4-Chlorophenyl Phenyl Ether	BQL	401	ug/kg	U	1
4-Nitroaniline	BQL	401	ug/kg	U	1
4-Nitrophenol	BQL	801	ug/kg	U	1
4-chloro-3-methylphenol	BQL	401	ug/kg	U	1
4-methylphenol	BQL	401	ug/kg	U	1
Acenaphthene	BQL	401	ug/kg	U	1
Acenaphthylene	BQL	401	ug/kg	U	1
Anthracene	BQL	401	ug/kg	U	1
Benzo(a)anthracene	BQL	401	ug/kg	U	1
Benzo(a)pyrene	BQL	401	ug/kg	U	1
Benzo(b)fluoranthene	BQL	401	ug/kg	U	1
Benzo(g,h,i)perylene	BQL	401	ug/kg	U	1
Benzo(k)fluoranthene	BQL	401	ug/kg	U	1
Benzyl Butyl Phthalate	BQL	401	ug/kg	U	1
Carbazole	BQL	401	ug/kg	U	1
Chrysene	BQL	401	ug/kg	U	1

Summary of Analytical Results

Client ID AA0479
GPL ID: 9164-009-05-1
Matrix: Soil
Date Collected: Sep-26-2000
Date Received: Sep-27-2000

Prep Method: SW3550
Prep Date: Oct-02-2000
Prep Time: 13:12
Prep Chemist: Saeid Soleimani

Analytical Method: SW8270CTCL
Date Analyzed: Oct-23-2000
Time Analyzed 13:04
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	401	ug/kg	U	1
Dibenzofuran	BQL	401	ug/kg	U	1
Diethyl Phthalate	BQL	401	ug/kg	U	1
Dimethyl Phthalate	BQL	401	ug/kg	U	1
Fluoranthene	BQL	401	ug/kg	U	1
Fluorene	BQL	401	ug/kg	U	1
Hexachlorobenzene	BQL	401	ug/kg	U	1
Hexachlorobutadiene	BQL	401	ug/kg	U	1
Hexachlorocyclopentadiene	BQL	401	ug/kg	U	1
Hexachloroethane	BQL	401	ug/kg	U	1
Indeno(1,2,3-c,d)Pyrene	BQL	401	ug/kg	U	1
Isophorone	BQL	401	ug/kg	U	1
Naphthalene	BQL	401	ug/kg	U	1
Nitrobenzene	BQL	401	ug/kg	U	1
Pentachlorophenol	BQL	801	ug/kg	U	1
Phenanthrene	BQL	401	ug/kg	U	1
Phenol	BQL	401	ug/kg	U	1
Pyrene	BQL	401	ug/kg	U	1
bis(2-chloroethoxy) methane	BQL	401	ug/kg	U	1
bis(2-chloroethyl) ether	BQL	401	ug/kg	U	1
bis(2-ethylhexyl) phthalate	BQL	401	ug/kg	U	1
di-n-Butyl Phthalate	BQL	401	ug/kg	U	1
di-n-Octyl Phthalate	BQL	401	ug/kg	U	1
n-Nitrosodi-n-Propylamine	BQL	401	ug/kg	U	1
n-Nitrosodiphenylamine	BQL	401	ug/kg	U	1

Summary of Analytical Results

Client ID AA0479DL
GPL ID: 9164-009-05-1
Matrix: Soil
Date Collected: Sep-26-2000
Date Received: Sep-27-2000

Prep Method: SW3550
Prep Date: Oct-02-2000
Prep Time: 13:12
Prep Chemist: Saeid Soleimani

Analytical Method: SW8270CTCL
Date Analyzed: Oct-23-2000
Time Analyzed 18:57
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	801	ug/kg	U	2
1,2-Dichlorobenzene	BQL	801	ug/kg	U	2
1,3-Dichlorobenzene	BQL	801	ug/kg	U	2
1,4-Dichlorobenzene	BQL	801	ug/kg	U	2
2,2-Oxybis(1-Chloro)Propane	BQL	801	ug/kg	U	2
2,4,5-Trichlorophenol	BQL	801	ug/kg	U	2
2,4,6-Trichlorophenol	BQL	801	ug/kg	U	2
2,4-Dichlorophenol	BQL	801	ug/kg	U	2
2,4-Dimethylphenol	BQL	801	ug/kg	U	2
2,4-Dinitrophenol	BQL	1600	ug/kg	U	2
2,4-Dinitrotoluene	5970	801	ug/kg		2
2,6-Dinitrotoluene	353	801	ug/kg	J	2
2-Chloronaphthalene	BQL	801	ug/kg	U	2
2-Chlorophenol	BQL	801	ug/kg	U	2
2-Methylnaphthalene	BQL	801	ug/kg	U	2
2-Nitroaniline	BQL	801	ug/kg	U	2
2-Nitrophenol	BQL	801	ug/kg	U	2
2-methylphenol	BQL	801	ug/kg	U	2
3,3-Dichlorobenzidine	BQL	1600	ug/kg	U	2
3-Nitroaniline	BQL	801	ug/kg	U	2
4,6-dinitro-2-methyl phenol	BQL	1600	ug/kg	U	2
4-Bromophenyl-phenylether	BQL	801	ug/kg	U	2
4-Chloroaniline	BQL	801	ug/kg	U	2
4-Chlorophenyl Phenyl Ether	BQL	801	ug/kg	U	2
4-Nitroaniline	BQL	801	ug/kg	U	2
4-Nitrophenol	BQL	1600	ug/kg	U	2
4-chloro-3-methylphenol	BQL	801	ug/kg	U	2
4-methylphenol	BQL	801	ug/kg	U	2
Acenaphthene	BQL	801	ug/kg	U	2
Acenaphthylene	BQL	801	ug/kg	U	2
Anthracene	BQL	801	ug/kg	U	2
Benzo(a)anthracene	BQL	801	ug/kg	U	2
Benzo(a)pyrene	BQL	801	ug/kg	U	2
Benzo(b)fluoranthene	BQL	801	ug/kg	U	2
Benzo(g,h,i)perylene	BQL	801	ug/kg	U	2
Benzo(k)fluoranthene	BQL	801	ug/kg	U	2
Benzyl Butyl Phthalate	BQL	801	ug/kg	U	2
Carbazole	BQL	801	ug/kg	U	2
Chrysene	BQL	801	ug/kg	U	2

Summary of Analytical Results

Client ID AA0479DL
GPL ID: 9164-009-05-1
Matrix: Soil
Date Collected: Sep-26-2000
Date Received: Sep-27-2000

Prep Method: SW3550
Prep Date: Oct-02-2000
Prep Time: 13:12
Prep Chemist: Saeid Soleimani

Analytical Method: SW8270CTCL
Date Analyzed: Oct-23-2000
Time Analyzed 18:57
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	801	ug/kg	U	2
Dibenzofuran	BQL	801	ug/kg	U	2
Diethyl Phthalate	BQL	801	ug/kg	U	2
Dimethyl Phthalate	BQL	801	ug/kg	U	2
Fluoranthene	BQL	801	ug/kg	U	2
Fluorene	BQL	801	ug/kg	U	2
Hexachlorobenzene	BQL	801	ug/kg	U	2
Hexachlorobutadiene	BQL	801	ug/kg	U	2
Hexachlorocyclopentadiene	BQL	801	ug/kg	U	2
Hexachloroethane	BQL	801	ug/kg	U	2
Indeno(1,2,3-c,d)Pyrene	BQL	801	ug/kg	U	2
Isophorone	BQL	801	ug/kg	U	2
Naphthalene	BQL	801	ug/kg	U	2
Nitrobenzene	BQL	801	ug/kg	U	2
Pentachlorophenol	BQL	1600	ug/kg	U	2
Phenanthrene	BQL	801	ug/kg	U	2
Phenol	BQL	801	ug/kg	U	2
Pyrene	BQL	801	ug/kg	U	2
bis(2-chloroethoxy) methane	BQL	801	ug/kg	U	2
bis(2-chloroethyl) ether	BQL	801	ug/kg	U	2
bis(2-ethylhexyl) phthalate	BQL	801	ug/kg	U	2
di-n-Butyl Phthalate	BQL	801	ug/kg	U	2
di-n-Octyl Phthalate	BQL	801	ug/kg	U	2
n-Nitrosodi-n-Propylamine	BQL	801	ug/kg	U	2
n-Nitrosodiphenylamine	BQL	801	ug/kg	U	2

Summary of Analytical Results

Client ID AB0434
GPL ID: 9164-012-05-1
Matrix: Soil
Date Collected: Sep-26-2000
Date Received: Sep-27-2000

Prep Method: SW3550
Prep Date: Oct-02-2000
Prep Time: 13:12
Prep Chemist: Saeid Soleimani

Analytical Method: SW8270CTCL
Date Analyzed: Oct-23-2000
Time Analyzed 15:34
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	370	ug/kg	U	1
1,2-Dichlorobenzene	BQL	370	ug/kg	U	1
1,3-Dichlorobenzene	BQL	370	ug/kg	U	1
1,4-Dichlorobenzene	BQL	370	ug/kg	U	1
2,2-Oxybis(1-Chloro)Propane	BQL	370	ug/kg	U	1
2,4,5-Trichlorophenol	BQL	370	ug/kg	U	1
2,4,6-Trichlorophenol	BQL	370	ug/kg	U	1
2,4-Dichlorophenol	BQL	370	ug/kg	U	1
2,4-Dimethylphenol	BQL	370	ug/kg	U	1
2,4-Dinitrophenol	BQL	741	ug/kg	U	1
2,4-Dinitrotoluene	73.3	370	ug/kg	J	1
2,6-Dinitrotoluene	BQL	370	ug/kg	U	1
2-Chloronaphthalene	BQL	370	ug/kg	U	1
2-Chlorophenol	BQL	370	ug/kg	U	1
2-Methylnaphthalene	BQL	370	ug/kg	U	1
2-Nitroaniline	BQL	370	ug/kg	U	1
2-Nitrophenol	BQL	370	ug/kg	U	1
2-methylphenol	BQL	370	ug/kg	U	1
3,3-Dichlorobenzidine	BQL	741	ug/kg	U	1
3-Nitroaniline	BQL	370	ug/kg	U	1
4,6-dinitro-2-methyl phenol	BQL	741	ug/kg	U	1
4-Bromophenyl-phenylether	BQL	370	ug/kg	U	1
4-Chloroaniline	BQL	370	ug/kg	U	1
4-Chlorophenyl Phenyl Ether	BQL	370	ug/kg	U	1
4-Nitroaniline	BQL	370	ug/kg	U	1
4-Nitrophenol	BQL	741	ug/kg	U	1
4-chloro-3-methylphenol	BQL	370	ug/kg	U	1
4-methylphenol	BQL	370	ug/kg	U	1
Acenaphthene	BQL	370	ug/kg	U	1
Acenaphthylene	BQL	370	ug/kg	U	1
Anthracene	BQL	370	ug/kg	U	1
Benzo(a)anthracene	BQL	370	ug/kg	U	1
Benzo(a)pyrene	BQL	370	ug/kg	U	1
Benzo(b)fluoranthene	BQL	370	ug/kg	U	1
Benzo(g,h,i)perylene	BQL	370	ug/kg	U	1
Benzo(k)fluoranthene	BQL	370	ug/kg	U	1
Benzyl Butyl Phthalate	BQL	370	ug/kg	U	1
Carbazole	BQL	370	ug/kg	U	1
Chrysene	BQL	370	ug/kg	U	1

Summary of Analytical Results

Client ID AB0434
GPL ID: 9164-012-05-1
Matrix: Soil
Date Collected: Sep-26-2000
Date Received: Sep-27-2000

Prep Method: SW3550
Prep Date: Oct-02-2000
Prep Time: 13:12
Prep Chemist: Saeid Soleimani

Analytical Method: SW8270CTCL
Date Analyzed: Oct-23-2000
Time Analyzed 15:34
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	370	ug/kg	U	1
Dibenzofuran	BQL	370	ug/kg	U	1
Diethyl Phthalate	BQL	370	ug/kg	U	1
Dimethyl Phthalate	BQL	370	ug/kg	U	1
Fluoranthene	BQL	370	ug/kg	U	1
Fluorene	BQL	370	ug/kg	U	1
Hexachlorobenzene	BQL	370	ug/kg	U	1
Hexachlorobutadiene	BQL	370	ug/kg	U	1
Hexachlorocyclopentadiene	BQL	370	ug/kg	U	1
Hexachloroethane	BQL	370	ug/kg	U	1
Indeno(1,2,3-c,d)Pyrene	BQL	370	ug/kg	U	1
Isophorone	BQL	370	ug/kg	U	1
Naphthalene	BQL	370	ug/kg	U	1
Nitrobenzene	BQL	370	ug/kg	U	1
Pentachlorophenol	BQL	741	ug/kg	U	1
Phenanthrene	BQL	370	ug/kg	U	1
Phenol	BQL	370	ug/kg	U	1
Pyrene	BQL	370	ug/kg	U	1
bis(2-chloroethoxy) methane	BQL	370	ug/kg	U	1
bis(2-chloroethyl) ether	BQL	370	ug/kg	U	1
bis(2-ethylhexyl) phthalate	BQL	370	ug/kg	U	1
di-n-Butyl Phthalate	BQL	370	ug/kg	U	1
di-n-Octyl Phthalate	BQL	370	ug/kg	U	1
n-Nitrosodi-n-Propylamine	BQL	370	ug/kg	U	1
n-Nitrosodiphenylamine	BQL	370	ug/kg	U	1

Summary of Analytical Results

Client ID AB0436
GPL ID: 9164-013-05-1
Matrix: Soil
Date Collected: Sep-26-2000
Date Received: Sep-27-2000

Prep Method: SW3550
Prep Date: Oct-02-2000
Prep Time: 13:12
Prep Chemist: Saeid Soleimani

Analytical Method: SW8270CTCL
Date Analyzed: Oct-23-2000
Time Analyzed 16:26
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	375	ug/kg	U	1
1,2-Dichlorobenzene	BQL	375	ug/kg	U	1
1,3-Dichlorobenzene	BQL	375	ug/kg	U	1
1,4-Dichlorobenzene	BQL	375	ug/kg	U	1
2,2-Oxybis(1-Chloro)Propane	BQL	375	ug/kg	U	1
2,4,5-Trichlorophenol	BQL	375	ug/kg	U	1
2,4,6-Trichlorophenol	BQL	375	ug/kg	U	1
2,4-Dichlorophenol	BQL	375	ug/kg	U	1
2,4-Dimethylphenol	BQL	375	ug/kg	U	1
2,4-Dinitrophenol	BQL	751	ug/kg	U	1
2,4-Dinitrotoluene	73.2	375	ug/kg	J	1
2,6-Dinitrotoluene	BQL	375	ug/kg	U	1
2-Chloronaphthalene	BQL	375	ug/kg	U	1
2-Chlorophenol	BQL	375	ug/kg	U	1
2-Methylnaphthalene	BQL	375	ug/kg	U	1
2-Nitroaniline	BQL	375	ug/kg	U	1
2-Nitrophenol	BQL	375	ug/kg	U	1
2-methylphenol	BQL	375	ug/kg	U	1
3,3-Dichlorobenzidine	BQL	751	ug/kg	U	1
3-Nitroaniline	BQL	375	ug/kg	U	1
4,6-dinitro-2-methyl phenol	BQL	751	ug/kg	U	1
4-Bromophenyl-phenylether	BQL	375	ug/kg	U	1
4-Chloroaniline	BQL	375	ug/kg	U	1
4-Chlorophenyl Phenyl Ether	BQL	375	ug/kg	U	1
4-Nitroaniline	BQL	375	ug/kg	U	1
4-Nitrophenol	BQL	751	ug/kg	U	1
4-chloro-3-methylphenol	BQL	375	ug/kg	U	1
4-methylphenol	BQL	375	ug/kg	U	1
Acenaphthene	BQL	375	ug/kg	U	1
Acenaphthylene	BQL	375	ug/kg	U	1
Anthracene	BQL	375	ug/kg	U	1
Benzo(a)anthracene	BQL	375	ug/kg	U	1
Benzo(a)pyrene	BQL	375	ug/kg	U	1
Benzo(b)fluoranthene	BQL	375	ug/kg	U	1
Benzo(g,h,i)perylene	BQL	375	ug/kg	U	1
Benzo(k)fluoranthene	BQL	375	ug/kg	U	1
Benzyl Butyl Phthalate	BQL	375	ug/kg	U	1
Carbazole	BQL	375	ug/kg	U	1
Chrysene	BQL	375	ug/kg	U	1

Summary of Analytical Results

Client ID AB0436
GPL ID: 9164-013-05-1
Matrix: Soil
Date Collected: Sep-26-2000
Date Received: Sep-27-2000

Prep Method: SW3550
Prep Date: Oct-02-2000
Prep Time: 13:12
Prep Chemist: Saeid Soleimani

Analytical Method: SW8270CTCL
Date Analyzed: Oct-23-2000
Time Analyzed 16:26
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	375	ug/kg	U	1
Dibenzofuran	BQL	375	ug/kg	U	1
Diethyl Phthalate	BQL	375	ug/kg	U	1
Dimethyl Phthalate	BQL	375	ug/kg	U	1
Fluoranthene	BQL	375	ug/kg	U	1
Fluorene	BQL	375	ug/kg	U	1
Hexachlorobenzene	BQL	375	ug/kg	U	1
Hexachlorobutadiene	BQL	375	ug/kg	U	1
Hexachlorocyclopentadiene	BQL	375	ug/kg	U	1
Hexachloroethane	BQL	375	ug/kg	U	1
Indeno(1,2,3-c,d)Pyrene	BQL	375	ug/kg	U	1
Isophorone	BQL	375	ug/kg	U	1
Naphthalene	BQL	375	ug/kg	U	1
Nitrobenzene	BQL	375	ug/kg	U	1
Pentachlorophenol	BQL	751	ug/kg	U	1
Phenanthrene	BQL	375	ug/kg	U	1
Phenol	BQL	375	ug/kg	U	1
Pyrene	BQL	375	ug/kg	U	1
bis(2-chloroethoxy) methane	BQL	375	ug/kg	U	1
bis(2-chloroethyl) ether	BQL	375	ug/kg	U	1
bis(2-ethylhexyl) phthalate	BQL	375	ug/kg	U	1
di-n-Butyl Phthalate	BQL	375	ug/kg	U	1
di-n-Octyl Phthalate	BQL	375	ug/kg	U	1
n-Nitrosodi-n-Propylamine	BQL	375	ug/kg	U	1
n-Nitrosodiphenylamine	BQL	375	ug/kg	U	1

2C
WATER SEMIVOLATILE SURROGATE RECOVERY

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBROOK

Lab Code: GPL Case No.: N/A SAS No.: N/A SDG No.: N/A

	Client SAMPLE NO.	S1 (2FP) #	S2 (PHL) #	S3 (NBZ) #	S4 (FBP) #	S5 (TBP) #	S6 (TPH) #	TOT OUT
01	BLK7127	39	62	71	73	111	89	0
02	BKS7127	25	53	66	66	102	86	0
03	AA3010DL	17 *	53 *	58 *	59 *	49 *	74 *	1
04	AA3011DL	6 *	36 *	48 *	49 *	51 *	60 *	1

JN 10.24.00

				QC LIMITS
S1	(2FP)	=	2-Fluorophenol	(20-150)
S2	(PHL)	=	Phenol-d5	(30-150)
S3	(NBZ)	=	Nitrobenzene-d5	(20-137)
S4	(FBP)	=	2-Fluorobiphenyl	(23-110)
S5	(TBP)	=	2,4,6-Tribromophenol	(20-150)
S6	(TPH)	=	Terphenyl-d14	(20-138)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogate diluted out

2D
SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBROOK

Lab Code: GPL Case No.: N/A SAS No.: N/A SDG No.: N/A

Level: (low/med) LOW

	Client SAMPLE NO.	S1 (2FP) #	S2 (PHL) #	S3 (NBZ) #	S4 (FBP) #	S5 (TBP) #	S6 (TPH) #	TOT OUT
01	BLK7103	90	93	64	91	113	124*	1
02	BKS7103	100	106	87	79	111	112*	1
03	AA0452	66	64	45	65	92	90	0
04	AA0473	91	91	58	88	120	121*	1
05	AA0474	80	83	55	86	117	114*	1
06	AA0475	80	80	53	78	112	106	0
07	AA0472	78	80	50	78	125	114*	1
08	AA0479	76	78	49	74	102	100	0
09	AA0479MS	82	88	67	66	96	102	0
10	AA0479MSD	81	89	67	69	105	97	0
11	AB0434	88	87	63	88	117	107	0
12	AB0436	91	90	62	90	119	110	0
13	AA0478	70	72	51	71	86	94	0
14	AA0440DL	40 4*	46 5*	36 4*	58 8*	55 5*	69 7*	0 6
15	AA0479DL	58 29*	59 30	45 22*	64 32*	65 33	77 38*	0 4
16	AA0440DL2	18 *	15 *	18 *	46 *	6 *	57 *	4 8

MN 12-24-00

				QC LIMITS
S1	(2FP)	=	2-Fluorophenol	(52-150)
S2	(PHL)	=	Phenol-d5	(20-150)
S3	(NBZ)	=	Nitrobenzene-d5	(26-150)
S4	(FBP)	=	2-Fluorobiphenyl	(41-128)
S5	(TBP)	=	2,4,6-Tribromophenol	(20-150)
S6	(TPH)	=	Terphenyl-d14	(52-110)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogate diluted out

0 2004

3C

WATER SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: GPL_LABORATORIES Contract: DAMES&MOORE

Lab Code: GPL Case No.: N/A SAS No.: N/A SDG No.: N/A

Matrix Spike - EPA Sample No.: MWB18W27S0

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
Phenol	110	0.0	90	82	20 - 150
2-Chlorophenol	110	0.0	83	75	23 - 134
1,4-Dichlorobenzene	110	0.0	50	45	20 - 125
N-Nitroso-di-n-propylamine	110	0.0	81	74	20 - 150
1,2,4-Trichlorobenzene	110	0.0	62	56	23 - 114
4-Chloro-3-methylphenol	110	0.0	88	80	26 - 147
Acenaphthene	110	0.0	82	75	20 - 116
2,4-Dinitrotoluene	110	0.0	82	75	24 - 149
4-Nitrophenol	110	0.0	85	77	20 - 150
Pentachlorophenol	110	0.0	93	85	20 - 150
Pyrene	110	0.0	92	84	20 - 135

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Phenol	110	81	74	10	42	20 - 150
2-Chlorophenol	110	74	67	11	40	23 - 134
1,4-Dichlorobenzene	110	53	48	6	28	20 - 125
N-Nitroso-di-n-propylamine	110	84	76	3	38	20 - 150
1,2,4-Trichlorobenzene	110	67	61	9	28	23 - 114
4-Chloro-3-methylphenol	110	94	85	6	42	26 - 147
Acenaphthene	110	86	78	4	31	20 - 116
2,4-Dinitrotoluene	110	84	76	1	38	24 - 149
4-Nitrophenol	110	91	83	8	50	20 - 150
Pentachlorophenol	110	94	85	0	50	20 - 150
Pyrene	110	94	85	1	31	20 - 135

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 11 outside limits

Spike Recovery: 0 out of 22 outside limits

COMMENTS:

3D

SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBROOK

Lab Code: GPL Case No.: N/A SAS No.: N/A SDG No.: N/A

Matrix Spike - EPA Sample No.: AA0479 Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC LIMITS REC.
Phenol	4000	0.0	3500	88	75 - 150
2-Chlorophenol	4000	0.0	2500	63	31 - 129
1,4-Dichlorobenzene	4000	0.0	2600	65	25 - 122
N-Nitroso-di-n-propylamine	4000	0.0	2500	63	20 - 150
1,2,4-Trichlorobenzene	4000	0.0	2800	70	51 - 120
4-Chloro-3-methylphenol	4000	0.0	3300	83	34 - 125
Acenaphthene	4000	0.0	2600	65	46 - 135
2,4-Dinitrotoluene	4000	7400	7900	13 *	38 - 137
4-Nitrophenol	4000	0.0	3200	80	20 - 150
Pentachlorophenol	4000	0.0	3200	80	32 - 137
Pyrene	4000	0.0	3200	80	24 - 144

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Phenol	4000	3600	90	2	35	75 - 150
2-Chlorophenol	4000	2600	65	3	50	31 - 129
1,4-Dichlorobenzene	4000	2500	63	3	27	25 - 122
N-Nitroso-di-n-propylamine	4000	2800	70	11	38	20 - 150
1,2,4-Trichlorobenzene	4000	2800	70	0	23	51 - 120
4-Chloro-3-methylphenol	4000	3600	90	8	33	34 - 125
Acenaphthene	4000	2800	70	7	19	46 - 135
2,4-Dinitrotoluene	4000	9800	60	129 *	47	38 - 137
4-Nitrophenol	4000	3600	90	12	50	20 - 150
Pentachlorophenol	4000	3500	88	10	47	32 - 137
Pyrene	4000	3200	80	0	36	24 - 144

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 1 out of 11 outside limits

Spike Recovery: 1 out of 22 outside limits

COMMENTS:

3F
WATER LABORATORY CONTROL SPIKE RECOVERY

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBROOK

Lab Code: GPL Case No.: N/A SDG No.: N/A

EPA Sample No.: BKS7127 CLIENT ID: BKS7127

DATE EXTRACTED: 10/2/00 WORK ORDER NO: 00-09-164

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC		INTERNAL QC LIMITS
Phenol	100	65	65		30-100
2-Chlorophenol	100	60	60	*	67-105
1,4-Dichlorobenzene	100	61	61		43-101
N-Nitroso-Di-n-Propylamine	100	74	74		43-150
1,2,4-Trichlorobenzene	100	65	65		51-100
4-Chloro-3-methylphenol	100	90	90		61-125
Acenaphthene	100	78	78		35-125
2,4-Dinitrotoluene	100	75	75		66-123
4-Nitrophenol	100	150	150		20-150
Pentachlorophenol	100	99	99		43-150
Pyrene	100	92	92		56-116

COMMENTS:

0 2007

3F

SOIL LABORATORY CONTROL SPIKE RECOVERY

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBROOK

Lab Code: GPL SDG No.: N/A

EPA Sample No.: BKS7103 CLIENT ID: BKS7103

DATE EXTRACTED: 10/2/00 WORK ORDER NO: 00-09-164

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	INTERNAL QC LIMITS
Phenol	3300	3600	109	47-111
2-Chlorophenol	3300	2600	79	52-124
1,4-Dichlorobenzene	3300	2800	85	52-112
N-Nitroso-Di-n-Propylamine	3300	2700	82	70-150
1,2,4-Trichlorobenzene	3300	3000	91	63-112
4-Chloro-3-methylphenol	3300	3200	97	63-125
Acenaphthene	3300	2400	73	45-104
2,4-Dinitrotoluene	3300	2800	85	56-133
4-Nitrophenol	3300	3200	97	44-150
Pentachlorophenol	3300	3300	100	27-142
Pyrene	3300	3000	91	56-106

*Values outside internal limits

COMMENTS:

0 2008

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

BLK7127

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBRO

Lab Code: GPL Case No.: N/A SAS No.: N/A SDG No.: N/A

Lab File ID: P09288.D Lab Sample ID: BLK7127

Instrument ID: HP#P Date Extracted: 10/02/00

Matrix: (soil/water) WATER Date Analyzed: 10/17/00

Level: (low/med) LOW Time Analyzed: 13:39

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	Client SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	BKS7127	BKS7127	P09289.D	10/17/00
02	AA3010DL	9164-010-07-1/2DL	P09294.D	10/17/00
03	AA3011DL	9164-011-07-1/2DL	P09295.D	10/17/00

COMMENTS:

0 2009

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

BLK7103

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBRO

Lab Code: GPL Case No.: N/A SAS No.: N/A SDG No.: N/A

Lab File ID: P09403.D Lab Sample ID: BLK7103

Instrument ID: HP#P Date Extracted: 10/02/00

Matrix: (soil/water) SOIL Date Analyzed: 10/22/00

Level: (low/med) LOW Time Analyzed: 23:21

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	Client SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	BKS7103	BKS7103	P09404.D	10/23/00
02	AA0452	9164-003-05-1	P09405.D	10/23/00
03	AA0473	9164-005-05-1	P09407.D	10/23/00
04	AA0474	9164-006-05-1	P09408.D	10/23/00
05	AA0475	9164-007-05-1	P09409.D	10/23/00
06	AA0472	9164-004-05-1	P09414.D	10/23/00
07	AA0479	9164-009-05-1	P09415.D	10/23/00
08	AA0479MS	9164-009-05-1 MS	P09416.D	10/23/00
09	AA0479MSD	9164-009-05-1 MSD	P09417.D	10/23/00
10	AB0434	9164-012-05-1	P09418.D	10/23/00
11	AB0436	9164-013-05-1	P09419.D	10/23/00
12	AA0478	9164-008-05-1	P09420.D	10/23/00
13	AA0440DL	9164-002-05-1DL	P09421.D	10/23/00
14	AA0479DL	9164-009-05-1DL	P09422.D	10/23/00
15	AA0440DL2	9164-002-05-1DL2	P09423.D	10/23/00

COMMENTS:

0 2010

Summary of Analytical Results

Client ID AA0440
GPL ID: 9164-002-05-1
Matrix: Soil
Date Collected: Sep-26-2000
Date Received: Sep-27-2000

Prep Method: EXT_SW8330
Prep Date: Oct-02-2000
Prep Time: 08:01
Prep Chemist: Shila Soleimani

Analytical Method: SW8330
Date Analyzed: Oct-18-2000
Time Analyzed 01:36
Analyst: Shukla Sarker

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
2,4-Dinitrotoluene	275000	100	ug/kg	D	50

Summary of Analytical Results

Client ID AA0440
GPL ID: 9164-002-05-1
Matrix: Soil
Date Collected: Sep-26-2000
Date Received: Sep-27-2000

Prep Method: EXT_SW8330
Prep Date: Oct-02-2000
Prep Time: 08:01
Prep Chemist: Shila Soleimani

Analytical Method: SW8330
Date Analyzed: Oct-13-2000
Time Analyzed 20:55
Analyst: Shukla Sarker

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	BQL	100	ug/kg	U	1
1,3-Dinitrobenzene	BQL	100	ug/kg	U	1
2,4,6-Trinitrotoluene	21000	100	ug/kg		1
2,6-Dinitrotoluene	BQL	100	ug/kg	U	1
2-Amino-4,6-Dinitrotoluene	BQL	100	ug/kg	U	1
4-Amino-2,6-Dinitrotoluene	9910	100	ug/kg		1
HMX	BQL	200	ug/kg	U	1
Nitrobenzene	BQL	100	ug/kg	U	1
RDX	BQL	200	ug/kg	U	1
Tetryl	BQL	200	ug/kg	U	1
m-Nitrotoluene	5430	200	ug/kg		1
o-Nitrotoluene	27100	200	ug/kg		1
p-Nitrotoluene	3540	200	ug/kg		1

Summary of Analytical Results

Client ID AA0452
GPL ID: 9164-003-05-1
Matrix: Soil
Date Collected: Sep-26-2000
Date Received: Sep-27-2000

Prep Method: EXT_SW8330
Prep Date: Oct-02-2000
Prep Time: 08:01
Prep Chemist: Shila Soleimani

Analytical Method: SW8330
Date Analyzed: Oct-13-2000
Time Analyzed 21:23
Analyst: Shukla Sarker

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	BQL	95.2	ug/kg	U	1
1,3-Dinitrobenzene	BQL	95.2	ug/kg	U	1
2,4,6-Trinitrotoluene	BQL	95.2	ug/kg	U	1
2,4-Dinitrotoluene	BQL	95.2	ug/kg	U	1
2,6-Dinitrotoluene	BQL	95.2	ug/kg	U	1
2-Amino-4,6-Dinitrotoluene	BQL	95.2	ug/kg	U	1
4-Amino-2,6-Dinitrotoluene	BQL	95.2	ug/kg	U	1
HMX	BQL	190	ug/kg	U	1
Nitrobenzene	BQL	95.2	ug/kg	U	1
RDX	BQL	190	ug/kg	U	1
Tetryl	BQL	190	ug/kg	U	1
m-Nitrotoluene	BQL	190	ug/kg	U	1
o-Nitrotoluene	BQL	190	ug/kg	U	1
p-Nitrotoluene	BQL	190	ug/kg	U	1

Summary of Analytical Results

Client ID AA0472
GPL ID: 9164-004-05-1
Matrix: Soil
Date Collected: Sep-26-2000
Date Received: Sep-27-2000

Prep Method: EXT_SW8330
Prep Date: Oct-02-2000
Prep Time: 08:01
Prep Chemist: Shila Soleimani

Analytical Method: SW8330
Date Analyzed: Oct-14-2000
Time Analyzed 00:14
Analyst: Shukla Sarker

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	BQL	90.9	ug/kg	U	1
1,3-Dinitrobenzene	BQL	90.9	ug/kg	U	1
2,4,6-Trinitrotoluene	87.5	90.9	ug/kg	J	1
2,4-Dinitrotoluene	BQL	90.9	ug/kg	U	1
2,6-Dinitrotoluene	BQL	90.9	ug/kg	U	1
2-Amino-4,6-Dinitrotoluene	358	90.9	ug/kg		1
4-Amino-2,6-Dinitrotoluene	91.5	90.9	ug/kg		1
HMX	BQL	182	ug/kg	U	1
Nitrobenzene	BQL	90.9	ug/kg	U	1
RDX	BQL	182	ug/kg	U	1
Tetryl	BQL	182	ug/kg	U	1
m-Nitrotoluene	BQL	182	ug/kg	U	1
o-Nitrotoluene	BQL	182	ug/kg	U	1
p-Nitrotoluene	BQL	182	ug/kg	U	1

Summary of Analytical Results

Client ID AA0473
GPL ID: 9164-005-05-1
Matrix: Soil
Date Collected: Sep-26-2000
Date Received: Sep-27-2000

Prep Method: EXT_SW8330
Prep Date: Oct-02-2000
Prep Time: 08:01
Prep Chemist: Shila Soleimani

Analytical Method: SW8330
Date Analyzed: Oct-14-2000
Time Analyzed 00:43
Analyst: Shukla Sarker

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	BQL	100	ug/kg	U	1
1,3-Dinitrobenzene	BQL	100	ug/kg	U	1
2,4,6-Trinitrotoluene	169	100	ug/kg		1
2,4-Dinitrotoluene	133	100	ug/kg		1
2,6-Dinitrotoluene	BQL	100	ug/kg	U	1
2-Amino-4,6-Dinitrotoluene	BQL	100	ug/kg	U	1
4-Amino-2,6-Dinitrotoluene	BQL	100	ug/kg	U	1
HMX	BQL	200	ug/kg	U	1
Nitrobenzene	BQL	100	ug/kg	U	1
RDX	BQL	200	ug/kg	U	1
Tetryl	BQL	200	ug/kg	U	1
m-Nitrotoluene	BQL	200	ug/kg	U	1
o-Nitrotoluene	BQL	200	ug/kg	U	1
p-Nitrotoluene	BQL	200	ug/kg	U	1

Summary of Analytical Results

Client ID AA0474
GPL ID: 9164-006-05-1
Matrix: Soil
Date Collected: Sep-26-2000
Date Received: Sep-27-2000

Prep Method: EXT_SW8330
Prep Date: Oct-02-2000
Prep Time: 08:01
Prep Chemist: Shila Soleimani

Analytical Method: SW8330
Date Analyzed: Oct-14-2000
Time Analyzed 01:11
Analyst: Shukla Sarker

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	BQL	87	ug/kg	U	1
1,3-Dinitrobenzene	BQL	87	ug/kg	U	1
2,4,6-Trinitrotoluene	4810	87	ug/kg		1
2,4-Dinitrotoluene	BQL	87	ug/kg	U	1
2,6-Dinitrotoluene	BQL	87	ug/kg	U	1
2-Amino-4,6-Dinitrotoluene	BQL	87	ug/kg	U	1
4-Amino-2,6-Dinitrotoluene	BQL	87	ug/kg	U	1
HMX	BQL	174	ug/kg	U	1
Nitrobenzene	BQL	87	ug/kg	U	1
RDX	BQL	174	ug/kg	U	1
Tetryl	BQL	174	ug/kg	U	1
m-Nitrotoluene	BQL	174	ug/kg	U	1
o-Nitrotoluene	BQL	174	ug/kg	U	1
p-Nitrotoluene	BQL	174	ug/kg	U	1

Summary of Analytical Results

Client ID AA0475
GPL ID: 9164-007-05-1
Matrix: Soil
Date Collected: Sep-26-2000
Date Received: Sep-27-2000

Prep Method: EXT_SW8330
Prep Date: Oct-02-2000
Prep Time: 08:01
Prep Chemist: Shila Soleimani

Analytical Method: SW8330
Date Analyzed: Oct-14-2000
Time Analyzed 01:40
Analyst: Shukla Sarker

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	BQL	87	ug/kg	U	1
1,3-Dinitrobenzene	BQL	87	ug/kg	U	1
2,4-Dinitrotoluene	BQL	87	ug/kg	U	1
2,6-Dinitrotoluene	BQL	87	ug/kg	U	1
2-Amino-4,6-Dinitrotoluene	BQL	87	ug/kg	U	1
4-Amino-2,6-Dinitrotoluene	BQL	87	ug/kg	U	1
HMX	BQL	174	ug/kg	U	1
Nitrobenzene	BQL	87	ug/kg	U	1
RDX	BQL	174	ug/kg	U	1
Tetryl	BQL	174	ug/kg	U	1
m-Nitrotoluene	BQL	174	ug/kg	U	1
o-Nitrotoluene	BQL	174	ug/kg	U	1
p-Nitrotoluene	BQL	174	ug/kg	U	1

Summary of Analytical Results

Client ID AA0475
GPL ID: 9164-007-05-1
Matrix: Soil
Date Collected: Sep-26-2000
Date Received: Sep-27-2000

Prep Method: EXT_SW8330
Prep Date: Oct-02-2000
Prep Time: 08:01
Prep Chemist: Shila Soleimani

Analytical Method: SW8330
Date Analyzed: Oct-18-2000
Time Analyzed 02:05
Analyst: Shukla Sarker

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
2,4,6-Trinitrotoluene	259000	87	ug/kg	D	100

Summary of Analytical Results

Client ID AA0478
GPL ID: 9164-008-05-1
Matrix: Soil
Date Collected: Sep-26-2000
Date Received: Sep-27-2000

Prep Method: EXT_SW8330
Prep Date: Oct-02-2000
Prep Time: 08:01
Prep Chemist: Shila Soleimani

Analytical Method: SW8330
Date Analyzed: Oct-14-2000
Time Analyzed 02:09
Analyst: Shukla Sarker

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	BQL	100	ug/kg	U	1
1,3-Dinitrobenzene	BQL	100	ug/kg	U	1
2,4,6-Trinitrotoluene	BQL	100	ug/kg	U	1
2,4-Dinitrotoluene	252	100	ug/kg		1
2,6-Dinitrotoluene	BQL	100	ug/kg	U	1
2-Amino-4,6-Dinitrotoluene	BQL	100	ug/kg	U	1
4-Amino-2,6-Dinitrotoluene	BQL	100	ug/kg	U	1
HMX	BQL	200	ug/kg	U	1
Nitrobenzene	BQL	100	ug/kg	U	1
RDX	BQL	200	ug/kg	U	1
Tetryl	BQL	200	ug/kg	U	1
m-Nitrotoluene	BQL	200	ug/kg	U	1
o-Nitrotoluene	BQL	200	ug/kg	U	1
p-Nitrotoluene	BQL	200	ug/kg	U	1

Summary of Analytical Results

Client ID AA0479
GPL ID: 9164-009-05-1
Matrix: Soil
Date Collected: Sep-26-2000
Date Received: Sep-27-2000

Prep Method: EXT_SW8330
Prep Date: Oct-02-2000
Prep Time: 08:01
Prep Chemist: Shila Soleimani

Analytical Method: SW8330
Date Analyzed: Oct-14-2000
Time Analyzed 04:03
Analyst: Shukla Sarker

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	BQL	100	ug/kg	U	1
1,3-Dinitrobenzene	BQL	100	ug/kg	U	1
2,4,6-Trinitrotoluene	159	100	ug/kg		1
2,4-Dinitrotoluene	1540	100	ug/kg		1
2,6-Dinitrotoluene	BQL	100	ug/kg	U	1
2-Amino-4,6-Dinitrotoluene	BQL	100	ug/kg	U	1
4-Amino-2,6-Dinitrotoluene	BQL	100	ug/kg	U	1
HMX	BQL	200	ug/kg	U	1
Nitrobenzene	BQL	100	ug/kg	U	1
RDX	BQL	200	ug/kg	U	1
Tetryl	BQL	200	ug/kg	U	1
m-Nitrotoluene	BQL	200	ug/kg	U	1
o-Nitrotoluene	BQL	200	ug/kg	U	1
p-Nitrotoluene	BQL	200	ug/kg	U	1

Summary of Analytical Results

Client ID AA3010
GPL ID: 9164-010-04-1/2
Matrix: Water
Date Collected: Sep-26-2000
Date Received: Sep-27-2000

Prep Method: EXT_SW8330
Prep Date: Oct-04-2000
Prep Time: 14:28
Prep Chemist: Reynaldo Caraan

Analytical Method: SW8330
Date Analyzed: Oct-22-2000
Time Analyzed 02:57
Analyst: Shukla Sarker

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	BQL	0.26	ug/L	U	1
1,3,5-Trinitrobenzene	BQL	0.26	ug/L	U	1
1,3-Dinitrobenzene	BQL	0.26	ug/L	U	1
1,3-Dinitrobenzene	BQL	0.26	ug/L	U	1
2,4,6-Trinitrotoluene	50.9	0.26	ug/L		1
2,4,6-Trinitrotoluene	50.9	0.26	ug/L		1
2,4-Dinitrotoluene	2850	0.26	ug/L		1
2,6-Dinitrotoluene	BQL	0.26	ug/L	U	1
2,6-Dinitrotoluene	BQL	0.26	ug/L	U	1
2-Amino-4,6-Dinitrotoluene	BQL	0.26	ug/L	U	1
2-Amino-4,6-Dinitrotoluene	BQL	0.26	ug/L	U	1
4-Amino-2,6-Dinitrotoluene	BQL	0.26	ug/L	U	1
4-Amino-2,6-Dinitrotoluene	BQL	0.26	ug/L	U	1
HMX	BQL	0.519	ug/L	U	1
HMX	BQL	0.52	ug/L	U	1
Nitrobenzene	BQL	0.26	ug/L	U	1
Nitrobenzene	BQL	0.26	ug/L	U	1
RDX	BQL	0.519	ug/L	U	1
RDX	BQL	0.52	ug/L	U	1
Tetryl	BQL	0.519	ug/L	U	1
Tetryl	BQL	0.52	ug/L	U	1
m-Nitrotoluene	27.8	0.519	ug/L		1
m-Nitrotoluene	27.8	0.52	ug/L		1
o-Nitrotoluene	BQL	0.519	ug/L	U	1
o-Nitrotoluene	BQL	0.52	ug/L	U	1
p-Nitrotoluene	8.35	0.519	ug/L		1
p-Nitrotoluene	8.35	0.52	ug/L		1

Summary of Analytical Results

Client ID AA3010
GPL ID: 9164-010-04-1/2
Matrix: Water
Date Collected: Sep-26-2000
Date Received: Sep-27-2000

Prep Method: EXT_SW8330
Prep Date: Oct-04-2000
Prep Time: 14:28
Prep Chemist: Reynaldo Caraan

Analytical Method: SW8330
Date Analyzed: Oct-23-2000
Time Analyzed 16:04
Analyst: Shukla Sarker

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
2,4-Dinitrotoluene	13800	260	ug/L		1000

Summary of Analytical Results

Client ID AA3011
GPL ID: 9164-011-04-1/2
Matrix: Water
Date Collected: Sep-26-2000
Date Received: Sep-27-2000

Prep Method: EXT_SW8330
Prep Date: Oct-04-2000
Prep Time: 14:28
Prep Chemist: Reynaldo Caraan

Analytical Method: SW8330
Date Analyzed: Oct-22-2000
Time Analyzed 04:23
Analyst: Shukla Sarker

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	BQL	0.26	ug/L	U	1
1,3-Dinitrobenzene	BQL	0.26	ug/L	U	1
2,4,6-Trinitrotoluene	62.0	0.26	ug/L		1
2,6-Dinitrotoluene	BQL	0.26	ug/L	U	1
2-Amino-4,6-Dinitrotoluene	BQL	0.26	ug/L	U	1
4-Amino-2,6-Dinitrotoluene	BQL	0.26	ug/L	U	1
HMX	BQL	0.52	ug/L	U	1
Nitrobenzene	BQL	0.26	ug/L	U	1
RDX	BQL	0.52	ug/L	U	1
Tetryl	BQL	0.52	ug/L	U	1
m-Nitrotoluene	29.5	0.52	ug/L		1
o-Nitrotoluene	26.6	0.52	ug/L		1
p-Nitrotoluene	10.3	0.52	ug/L		1

Summary of Analytical Results

Client ID AA3011
GPL ID: 9164-011-04-1/2
Matrix: Water
Date Collected: Sep-26-2000
Date Received: Sep-27-2000

Prep Method: EXT_SW8330
Prep Date: Oct-04-2000
Prep Time: 14:28
Prep Chemist: Reynaldo Caraan

Analytical Method: SW8330
Date Analyzed: Oct-23-2000
Time Analyzed 16:34
Analyst: Shukla Sarker

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
2,4-Dinitrotoluene	8650	260	ug/L		1000

Summary of Analytical Results

Client ID AB0434
GPL ID: 9164-012-05-1
Matrix: Soil
Date Collected: Sep-26-2000
Date Received: Sep-27-2000

Prep Method: EXT_SW8330
Prep Date: Oct-02-2000
Prep Time: 08:01
Prep Chemist: Shila Soleimani

Analytical Method: SW8330
Date Analyzed: Oct-14-2000
Time Analyzed 04:31
Analyst: Shukla Sarker

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	BQL	100	ug/kg	U	1
1,3-Dinitrobenzene	BQL	100	ug/kg	U	1
2,4,6-Trinitrotoluene	75.3	100	ug/kg	J	1
2,4-Dinitrotoluene	214	100	ug/kg		1
2,6-Dinitrotoluene	BQL	100	ug/kg	U	1
2-Amino-4,6-Dinitrotoluene	164	100	ug/kg		1
4-Amino-2,6-Dinitrotoluene	213	100	ug/kg		1
HMX	BQL	200	ug/kg	U	1
Nitrobenzene	BQL	100	ug/kg	U	1
RDX	BQL	200	ug/kg	U	1
Tetryl	BQL	200	ug/kg	U	1
m-Nitrotoluene	BQL	200	ug/kg	U	1
o-Nitrotoluene	BQL	200	ug/kg	U	1
p-Nitrotoluene	BQL	200	ug/kg	U	1

Summary of Analytical Results

Client ID AB0436
GPL ID: 9164-013-05-1
Matrix: Soil
Date Collected: Sep-26-2000
Date Received: Sep-27-2000

Prep Method: EXT_SW8330
Prep Date: Oct-02-2000
Prep Time: 08:01
Prep Chemist: Shila Soleimani

Analytical Method: SW8330
Date Analyzed: Oct-14-2000
Time Analyzed 05:00
Analyst: Shukla Sarker

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	BQL	80	ug/kg	U	1
1,3-Dinitrobenzene	BQL	80	ug/kg	U	1
2,4,6-Trinitrotoluene	49.0	80	ug/kg	J	1
2,4-Dinitrotoluene	165	80	ug/kg		1
2,6-Dinitrotoluene	BQL	80	ug/kg	U	1
2-Amino-4,6-Dinitrotoluene	108	80	ug/kg		1
4-Amino-2,6-Dinitrotoluene	146	80	ug/kg		1
HMX	BQL	160	ug/kg	U	1
Nitrobenzene	BQL	80	ug/kg	U	1
RDX	BQL	160	ug/kg	U	1
Tetryl	BQL	160	ug/kg	U	1
m-Nitrotoluene	BQL	160	ug/kg	U	1
o-Nitrotoluene	BQL	160	ug/kg	U	1
p-Nitrotoluene	BQL	160	ug/kg	U	1

2D
SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBROOK

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Level: (low/med) LOW

	Client SAMPLE NO.	S1 #	TOT OUT
01	NBLKA	77	0
02	NLCSA	81	0
03	AA0440	93	0
04	AA0452	91	0
05	AA0452 MS	85	0
06	AA0452 MSD	78	0
07	AA0472	88	0
08	AA0473	66	0
09	AA0474	89	0
10	AA0475	91	0
11	AA0478	95	0
12	AA0479	88	0
13	AB0434	81	0
14	AB0436	89	0
15	AA0440 DIL	D	
16	AA0475 DIL	D	

C 10-4-03

			QC LIMITS
S1	=	4-NITROANILINE	(24-140)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogate diluted out

2C
WATER EXPLOSIVES SURROGATE RECOVERY

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBROOK

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

	CLIENT SAMPLE NO.	S1 #	TOT OUT
01	NBLKB	86	0
02	NLCSB	86	0
03	AA3010	88	0
04	AA3010 MS	77	0
05	AA3010 MSD	81	0
06	AA3011	82	0
07	AA3010 DIL	D	
08	AA3011 DIL	D	

C 10/4/20

S1 = 4-NITROANILINE QC LIMITS (22-98)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogate diluted out

3D

SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBROOK

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Matrix Spike - EPA Sample No.: AA0452 Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC LIMITS REC.
HMX	3000	0.0	2700	90	70 - 113
1,3,5-TRINITROBENZENE	3000	0.0	1400	47	20 - 150
TETRYL	3000	0.0	2600	87	20 - 103
2,4,6-TRINITROTOLUENE	1500	0.0	1700	113	46 - 150
4-AMINO-2,6-DINITROTOLU	1500	0.0	1500	100	39 - 136
4-NITROTOLUENE	3000	0.0	2800	93	72 - 114
RDX	3000	0.0	2600	87	70 - 124
1,3-DINITROBENZENE	1500	0.0	1400	93	70 - 127
NITROBENZENE	1500	0.0	1400	93	70 - 120
2-AMINO-4,6-DINITROTOLU	1500	0.0	1900	127	43 - 150
2,4-DINITROTOLUENE	3000	0.0	2000	67	56 - 100
2-NITROTOLUENE	3000	0.0	2700	90	70 - 116
3-NITROTOLUENE	3000	0.0	2700	90	70 - 109

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
HMX	3000	2700	90	0	25	70 - 113
1,3,5-TRINITROBENZENE	3000	1400	47	0	25	20 - 150
TETRYL	3000	2000	67	26 *	25	20 - 103
2,4,6-TRINITROTOLUENE	1500	1800	120	6	25	46 - 150
4-AMINO-2,6-DINITROTOLU	1500	1500	100	0	25	39 - 136
4-NITROTOLUENE	3000	2700	90	3	25	72 - 114
RDX	3000	2600	87	0	25	70 - 124
1,3-DINITROBENZENE	1500	1400	93	0	25	70 - 127
NITROBENZENE	1500	1500	100	7	25	70 - 120
2-AMINO-4,6-DINITROTOLU	1500	1900	127	0	25	43 - 150
2,4-DINITROTOLUENE	3000	1900	63	6	25	56 - 100
2-NITROTOLUENE	3000	2600	87	3	25	70 - 116

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 1 out of 13 outside limits

Spike Recovery: 0 out of 26 outside limits

COMMENTS:

3D

SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBROOK

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Matrix Spike - EPA Sample No.: AA0452 Level: (low/med) LOW

3-NITROTOLUENE	3000	2700	90	0	25	70 - 109

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 0 outside limits

Spike Recovery: 0 out of 0 outside limits

COMMENTS:

3C

WATER EXPLOSIVES MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBROOK

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Matrix Spike - EPA Sample No.: AA3010

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
HMX	13	0.0	11	85	56 - 116
1,3,5-TRINITROBENZENE	6.7	0.0	7.7	115	26 - 150
TETRYL	13	0.0	40	308 *	20 - 143
2,4,6-TRINITROTOLUENE	6.7	51	52	16 *	38 - 157
4-AMINO-2,6-DINITROTOLU	6.7	0.0	0.0	0 *	60 - 128
RDX	13	0.0	46	354 *	41 - 121
1,3-DINITROBENZENE	6.7	0.0	6.3	94	50 - 115
NITROBENZENE	6.7	0.0	5.5	82	52 - 113
2-AMINO-4,6-DINITROTOLU	6.7	0.0	0.0	0 *	51 - 120
2,4-DINITROTOLUENE	13	2800	4400	12308 *	48 - 97
4-NITROTOLUENE	13	8.3	14	43	41 - 128
2-NITROTOLUENE	13	0.0	20	154 *	45 - 125
3-NITROTOLUENE	13	28	26	0 *	50 - 117

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
HMX	13	11	85	0	25	56 - 116
1,3,5-TRINITROBENZENE	6.7	7.6	113	2	25	26 - 150
TETRYL	13	41	315 *	2	25	20 - 143
2,4,6-TRINITROTOLUENE	6.7	65	209 *	173 *	25	38 - 157
4-AMINO-2,6-DINITROTOLU	6.7	0.0	0 *	0	25	60 - 128
RDX	13	40	308 *	14	25	41 - 121
1,3-DINITROBENZENE	6.7	6.2	93	1	25	50 - 115
NITROBENZENE	6.7	5.9	88	7	25	52 - 113
2-AMINO-4,6-DINITROTOLU	6.7	0.0	0 *	0	25	51 - 120
2,4-DINITROTOLUENE	13	4400	12308 *	0	25	48 - 97
4-NITROTOLUENE	13	14	44	0	25	41 - 128
2-NITROTOLUENE	13	24	185 *	18	25	45 - 125

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 1 out of 13 outside limits

Spike Recovery: 16 out of 26 outside limits

COMMENTS:

3C

WATER EXPLOSIVES MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBROOK

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Matrix Spike - EPA Sample No.: AA3010

3-NITROTOLUENE	13	28	0 *	0	25	50 - 117

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 0 outside limits

Spike Recovery: 1 out of 0 outside limits

COMMENTS:

3F

SOIL LABORATORY CONTROL SPIKE RECOVERY

Lab Name: GPL Laboratories Contract: IT_PLUMBROOK

Lab Code: GPLL Case No.: N/A SAS No. N/A SDG No. N/A

EPA Sample No.: NLCSA GP ID: NBLK-7096-MS

COMPOUND	SPIKE ADDED (ug/kg)	LCS CONCENTRATION (ug/kg)	LCS % REC	QC LIMITS
HMX	3000	2725	91	70-114
1,3,5-TNB	1500	1438	96	70-118
TETRYL	3000	1871	62	26-100
TNT	1500	1761	117	70-150
4-AMINO-2,6-DNT	1500	1656	110	60-112
4-NITROTOLUENE	3000	2628	88	70-119
RDX	3000	2659	89	70-118
1,3-DINITROBENZENE	1500	1365	91	70-118
NITROBENZENE	1500	1315	88	70-121
2-AMINO-4,6-DNT	1500	1719	115	69-146
2,4-DNT	3000	1982	66	64-100
2-NITROTOLUENE	3000	2673	89	70-122
3-NITROTOLUENE	3000	2650	88	70-111

* OUTSIDE QC LIMIT

COMMENTS:

3F

WATER LABORATORY CONTROL SPIKE RECOVERY

Lab Name: GPL Laboratories Contract: IT_PLUMBROOK

Lab Code: GPLL Case No.: N/A SAS No. N/A SDG No.: N/A

EPA Sample No.: NLCSB GP ID: NBLK-7171-MS

COMPOUND	SPIKE ADDED ug/l	LCS CONCENTRATION ug/l	LCS % REC	QC LIMITS
HMX	7.8	7.0	90	70-127
1,3,5-TNB	3.9	3.6	91	20-150
TETRYL	7.8	3.6	46	20-104
TNT	3.9	4.6	118	70-150
4-AMINO-2,6-DNT	3.9	3.8	98	63-121
4-NITROTOLUENE	7.8	7.7	98	57-139
RDX	7.8	7.1	91	70-124
1,3-DINITROBENZENE	3.9	3.8	97	65-141
NITROBENZENE	3.9	4.1	104	71-134
2-AMINO-4,6-DNT	3.9	5.6	144	43-150
2,4-DNT	7.8	4.8	61	53-101
2-NITROTOLUENE	7.8	7.1	91	63-132
3-NITROTOLUENE	7.8	7.4	95	68-133

* OUTSIDE QC LIMIT

COMMENTS:

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

NBLKA

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBRO

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Lab File ID: LCA2563.D Lab Sample ID: NBLK 7096

Instrument ID: LCA Date Extracted: 10/02/00

Matrix: (soil/water) SOIL Date Analyzed: 10/13/00

Level: (low/med) LOW Time Analyzed: 19:58

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	Client SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	NLCSA	NBLK 7096 MS	LCA2564.D	10/13/00
02	AA0440	9164-002	LCA2565.D	10/13/00
03	AA0452	9164-003	LCA2566.D	10/13/00
04	AA0452 MS	9164-003 MS	LCA2569.D	10/13/00
05	AA0452 MSD	9164-003 MSD	LCA2570.D	10/13/00
06	AA0472	9164-004	LCA2572.D	10/14/00
07	AA0473	9164-005	LCA2573.D	10/14/00
08	AA0474	9164-006	LCA2574.D	10/14/00
09	AA0475	9164-007	LCA2575.D	10/14/00
10	AA0478	9164-008	LCA2576.D	10/14/00
11	AA0479	9164-009	LCA2580.D	10/14/00
12	AB0434	9164-012	LCA2581.D	10/14/00
13	AB0436	9164-013	LCA2582.D	10/14/00
14	AA0440 DIL	9164-002 50X	LCA2693.D	10/18/00
15	AA0475 DIL	9164-007 100X	LCA2694.D	10/18/00

COMMENTS:

4B

EXPLOSIVES METHOD BLANK SUMMARY

EPA SAMPLE NO.

NBLKB

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBRO

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Lab File ID: LCA2891.D Lab Sample ID: NBLK-7171

Instrument ID: LCA Date Extracted: 10/03/00

Matrix: (soil/water) WATER Date Analyzed: 10/22/00

Level: (low/med) LOW Time Analyzed: 02:00

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	Client Sample NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	NLCSB	NBLK-7171 MS	LCA2892.D	10/22/00
02	AA3010	9164-010	LCA2893.D	10/22/00
03	AA3010 MS	9164-010 MS	LCA2894.D	10/22/00
04	AA3010 MSD	9164-010 MSD	LCA2895.D	10/22/00
05	AA3011	9164-011	LCA2896.D	10/22/00
06	AA3010 DIL	9164-010 1000 X	LCA2912.D	10/23/00
07	AA3011 DIL	9164-011 1000 X	LCA2913.D	10/23/00

COMMENTS:

GPL LABORATORIES, LLLP

Qualifier Definitions

U = Indicates that the compound was analyzed for but not detected at or above the reporting limit

Organics:

B = Indicates that the analyte was found in the associated blank as well as in the sample

D = Indicates that the analyte was reported from a diluted analysis

E = Indicates that the concentration detected exceeded the calibration range of the instrument

J = Value is less than the reporting limits but greater than the MDL

P = Indicates that there is greater than 25% difference for detected pesticide/Aroclor results between the two GC columns

Metals:

B = Indicates that the reported value was less than the reporting limit but greater than or equal to the IDL/MDL

E = Indicates that reported value is estimated because of the possible presence of interference (i.e., the serial dilution not within control limits)

H = Indicates that the element was found in the associated blank as well as in the sample and the value is greater than or equal to the reporting limit

N = Spiked sample recovery not within control limits

• = Duplicate analysis not within control limits

IT CORPORATION
A Member of The IT Group

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 09262000-GPL

Project Number: 773206
Samples Shipment Date: 26 SEP 2000
Project Name: PLUMBROOK ORDNANCE WOR
ab Destination: GPL Labotatories
Sample Coordinator: Duane Nielsen
Lab Contact: Bill Lock
Turnaround Time:
Project Contact: Kim Napier
Carrier/Waybill No.: Fed Ex/8212 2620 3294

Bill To: Accounts Receivable
312 Directors Drive
Knoxville TN 37923

Report To: Kim Napier
~~312 Directors Drive~~
Knoxville TN 37923

Special Instructions:

Possible Hazard Indentification:
Non-hazard | Flammable | Skin Irritant | Poison B | Unknown X

Sample Disposal:
Return to Client | Disposal by Lab X | Archive (mos.)

1. Relinquished By (Signature/Affiliation) Chris Fushon Date: 9/26/00 Time: 18:00
2. Relinquished By (Signature/Affiliation) Date: Time:
3. Relinquished By (Signature/Affiliation) Date: Time:

1. Received By (Signature/Affiliation) Date: Time:
2. Received By (Signature/Affiliation) Date: Time:
3. Received By (Signature/Affiliation) Date: 09/27/00 Time: 10:20A

Comments: ACETATE TUBES ARE FOR EXTRA VOC ANALYSIS.

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
09262000-TB	FIELDQC-GW-09262000-TB-TB	26 SEP 2000	07:00	40 ml GVIAL,SEP	2	HCl<pH 2	TCL Volatiles by SW-846 8260B	N		
AA0440	PBOW-00-SO-TNTA-SO105-AA0440-(02-03)	26 SEP 2000	13:50	5 g ENCORE	3	None except cool to 4 C	TCL Volatiles by SW-846 8260B	N		
AA0440	PBOW-00-SO-TNTA-SO105-AA0440-(02-03)	26 SEP 2000	13:50	8 oz CWM	1	None except cool to 4 C	PCBs by SW-846 8082, TCL Semivolatiles by SW-846 8270C	N		
AA0440	PBOW-00-SO-TNTA-SO105-AA0440-(02-03)	26 SEP 2000	13:50	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by SW-846 8330, TAL Metals by SW-846 6010B/7471A in soil	N		
AA0452	PBOW-00-SO-TNTA-SO303-AA0452-(01-02)	26 SEP 2000	09:30	5 oz ENCORE	3	None except cool to 4 C	TCL Volatiles by SW-846 8260B	N		
AA0452	PBOW-00-SO-TNTA-SO303-AA0452-(01-02)	26 SEP 2000	09:30	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by SW-846 8330, TAL Metals by SW-846 6010B/7471A in soil	N		

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IT CORPORATION

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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 09262000-GPL

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
AA0452	PBOW-00-SO-TNTA-SO303-AA0452-(01-02)	26 SEP 2000	09:30	8 oz CWM	1	None except cool to 4 C	PCBs by SW-846 8082, TCL Semivolatiles by SW-846 8270C	N		
AA0472	PBOW-00-SO-TNTA-SO201-AA0472-(04-06)	26 SEP 2000	14:10	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by SW-846 8330, TAL Metals by SW-846 6010B/7471A in soil	N		
AA0472	PBOW-00-SO-TNTA-SO201-AA0472-(04-06)	26 SEP 2000	14:10	5 oz ENCORE	3	None except cool to 4 C	TCL Volatiles by SW-846 8260B	N		
AA0472	PBOW-00-SO-TNTA-SO201-AA0472-(04-06)	26 SEP 2000	14:10	8 oz CWM	1	None except cool to 4 C	PCBs by SW-846 8082, TCL Semivolatiles by SW-846 8270C	N		
AA0473	PBOW-00-SO-TNTA-SO201-AA0473-(08-10)	26 SEP 2000	14:20	5 oz ENCORE	3	None except cool to 4 C	TCL Volatiles by SW-846 8260B	N		
AA0473	PBOW-00-SO-TNTA-SO201-AA0473-(08-10)	26 SEP 2000	14:20	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by SW-846 8330, TAL Metals by SW-846 6010B/7471A in soil	N		
AA0473	PBOW-00-SO-TNTA-SO201-AA0473-(08-10)	26 SEP 2000	14:20	8 oz CWM	1	None except cool to 4 C	PCBs by SW-846 8082, TCL Semivolatiles by SW-846 8270C	N		
AA0474	PBOW-00-SO-TNTA-SO261-AA0474-(04-06)	26 SEP 2000	16:10	5 oz ENCORE	3	None except cool to 4 C	TCL Volatiles by SW-846 8260B	N		
AA0474	PBOW-00-SO-TNTA-SO261-AA0474-(04-06)	26 SEP 2000	16:10	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by SW-846 8330, TAL Metals by SW-846 6010B/7471A in soil	N		
AA0474	PBOW-00-SO-TNTA-SO261-AA0474-(04-06)	26 SEP 2000	16:10	8 oz CWM	1	None except cool to 4 C	PCBs by SW-846 8082, TCL Semivolatiles by SW-846 8270C	N		
AA0475	PBOW-00-SO-TNTA-SO261-AA0475-(08-10)	26 SEP 2000	16:20	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by SW-846 8330, TAL Metals by SW-846 6010B/7471A in soil	N		
AA0475	PBOW-00-SO-TNTA-SO261-AA0475-(08-10)	26 SEP 2000	16:20	5 oz ENCORE	3	None except cool to 4 C	TCL Volatiles by SW-846 8260B	N		
AA0475	PBOW-00-SO-TNTA-SO261-AA0475-(08-10)	26 SEP 2000	16:20	8 oz CWM	1	None except cool to 4 C	PCBs by SW-846 8082, TCL Semivolatiles by SW-846 8270C	N		
AA0478	PBOW-00-SO-TNTA-SO399-AA0478-(04-06)	26 SEP 2000	11:00	5 oz ENCORE	3	None except cool to 4 C	TCL Volatiles by SW-846 8260B	N		
AA0478	PBOW-00-SO-TNTA-SO399-AA0478-(04-06)	26 SEP 2000	11:00	8 oz CWM	1	None except cool to 4 C	PCBs by SW-846 8082, TCL Semivolatiles by SW 846 8270C	N		
AA0478	PBOW-00-SO-TNTA-SO399-AA0478-(04-06)	26 SEP 2000	11:00	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by SW-846 8330, TAL Metals by SW-846 6010B/7471A in soil	N		
AA0479	PBOW-00-SO-TNTA-SO399-AA0479-(08-10)	26 SEP 2000	11:00	5 oz ENCORE	3	None except cool to 4 C	TCL Volatiles by SW-846 8260B	N		
AA0479	PBOW-00-SO-TNTA-SO399-AA0479-(08-10)	26 SEP 2000	11:00	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by SW-846 8330, TAL Metals by SW-846 6010B/7471A in soil	N		
AA0479	PBOW-00-SO-TNTA-SO399-AA0479-(08-10)	26 SEP 2000	11:00	8 oz CWM	1	None except cool to 4 C	PCBs by SW-846 8082, TCL Semivolatiles by SW-846 8270C	N		
AA3010	PBOW 00-GW-TNTA-GW10-AA3010-(00-00)	26 SEP 2000	11:10	1 L HDPE	1	HNO3, pH<2	TAL Metals by SW-846 6010B/7470A in water	N		
AA3010	PBOW-00-GW-TNTA-GW10-AA3010-(00-00)	26 SEP 2000	11:10	1 L HDPE	1	HNO3, pH<2	TAL Metals by SW-846 6010B/7470A in water	Y		
AA3010	PBOW-00-GW-TNTA-GW10-AA3010-(00-00)	26 SEP 2000	11:10	1 L Amb. Glass	2	None except cool to 4 C	TCL Semivolatiles by SW-846 8270C	N		
AA3010	PBOW-00-GW-TNTA-GW10-AA3010-(00-00)	26 SEP 2000	11:10	40 mL GVIAL,SEP	3	HCl<pH 2	TCL Volatiles by SW-846 8260B	N		
AA3010	PBOW-00-GW-TNTA-GW10-AA3010-(00-00)	26 SEP 2000	11:10	1 L Amb. Glass	2	None except cool to 4 C	Nitroaromatics by SW-846 8330	N		
AA3010	PBOW-00-GW-TNTA-GW10-AA3010-(00-00)	26 SEP 2000	11:10	1 L Amb. Glass	2	None except cool to 4 C	PCBs by SW-846 8082	N		
AA3011	PBOW-00-GW-TNTA-GW06-AA3011-(00-00)	26 SEP 2000	11:10	40 mL GVIAL,SEP	3	HCl<pH 2	TCL Volatiles by SW-846 8260B	N		

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IT CORPORATION
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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 09262000-GPL

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
AA3011	PBOW-00-GW-TNTA-GW06-AA3011-(00-00)	26 SEP 2000	11:10	1 L Amb. Glass	2	None except cool to 4 C	TCL Semivolatiles by SW-846 8270C	N		
AA3011	PBOW-00-GW-TNTA-GW06-AA3011-(00-00)	26 SEP 2000	11:10	1 L Amb. Glass	2	None except cool to 4 C	Nitroaromatics by SW-846 8330	N		
AA3011	PBOW-00-GW-TNTA-GW06-AA3011-(00-00)	26 SEP 2000	11:10	1 L HDPE	1	HNO3, pH<2	TAL Metals by SW-846 6010B/7470A in water	N		
AA3011	PBOW-00-GW-TNTA-GW06-AA3011-(00-00)	26 SEP 2000	11:10	1 L Amb. Glass	2	None except cool to 4 C	PCBs by SW-846 8082	N		
AA3011	PBOW-00-GW-TNTA-GW06-AA3011-(00-00)	26 SEP 2000	11:10	1 L HDPE	1	HNO3, pH<2	TAL Metals by SW-846 6010B/7470A in water	Y		
AB0434	PBOW-00-SO-TNTC-SO134-AB0434-(03-04)	26 SEP 2000	15:30	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by SW-846 8330, TAL Metals by SW-846 6010B/7471A in soil	N		
AB0434	PBOW-00-SO-TNTC-SO134-AB0434-(03-04)	26 SEP 2000	15:30	5 oz ENCORE	3	None except cool to 4 C	TCL Volatiles by SW-846 8260B	N		
AB0434	PBOW-00-SO-TNTC-SO134-AB0434-(03-04)	26 SEP 2000	15:30	8 oz CWM	1	None except cool to 4 C	PCBs by SW-846 8082, TCL Semivolatiles by SW-846 8270C	N		
AB0436	PBOW-00-SO-TNTC-SO134-AB0436-(03-04)	26 SEP 2000	15:30	5 oz ENCORE	3	None except cool to 4 C	TCL Volatiles by SW-846 8260B	N		
AB0436	PBOW-00-SO-TNTC-SO134-AB0436-(03-04)	26 SEP 2000	15:30	8 oz CWM	1	None except cool to 4 C	PCBs by SW-846 8082, TCL Semivolatiles by SW-846 8270C	N		
AB0436	PBOW-00-SO-TNTC-SO134-AB0436-(03-04)	26 SEP 2000	15:30	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by SW-846 8330, TAL Metals by SW-846 6010B/7471A in soil	N		

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9164

Sample Preservation Check Documentation Form

WORK ORDER: 9164

Parameter:	Metals	Phenol	TPH	Classical	Cyanide	Sulfide	Radiology	
	Total / D. ss		O&G	Parameters				
Preservative:	HNO3	H2SO4	H2SO4	H2SO4	NaOH	NaOH	H2SO4	Other Preservations
pH Value	<2	<2	<2	<2	>12	>9	<2	
CLIENT I.D.								
AA3011	2/2							
AG3010	2/2							

Sample Preservation Check Performed By: [signature] Date: 29/12/00

0 0130

GPL Laboratories, LLLP

Figure 1
SAMPLE RECEIPT CHECKLIST

W.O. No: 9161 Carrier Name: Fed Ex

Client Name: E.T. Corporation Prepared (Logged In) By: SPM 09/27/00 (Initials Date)

Date Received: 09/27/00 Project: Plumbrook Ordnance

Time Received: 10:20 AM Site:

Received By: SP VOA Holding Blank I.D. No:

	YES	NO
Airbill/Manifest Present?	✓	
No. 821276203294		
Shipping Container in Good Condition?	✓	
Custody Seals Present on Shipping Container?	✓	
Condition: Broken ____		
Intact-not dated or signed ✓		
Intact-dated and signed ✓		
Usage of Tamper Evident Type	✓	
Chain-of-Custody Present?	✓	
Chain-of-Custody Agrees with Sample Labels?	✓	
Chain-of-Custody Signed?	✓	
Packing Present in Shipping Container?	✓	
Type of Packing Bubble wrap		
Custody seals on Sample Bottles?		
Condition: Good ____ Broken ____		
Total Number of Sample Bottles 21		
Total Number of Samples 15		
Samples Intact?	✓	
Sufficient Sample Volume for Indicated Test?	✓	

	YES	NO
Trip Blanks: No. of Sets 1	✓	
Field Blanks: No. of Sets ____		✓
Equip. Blank: No. of Sets ____		✓
Field Duplicate: No. of Sets ____		✓
MS/MSD: No of Sets ____		✓
VOA Vials Have Zero Headspace?	✓	
Preservatives Added to Sample?	✓	
pH Check Required?	✓	
Performed By? SP		
Ice Present in Shipping Container?	✓	

Container #	Temp.	Container #	Temp.
#1	3.0°C		
#2	3.0°C		
#3	2.0°C		
#4	2.0°C		

Project Manager Contacted?
Name:
Date Contacted:

Any NO response must be detailed in the comments section below. If items are not applicable to particular samples or contracts, they should be marked N/A/

COMMENTS: Temperature by temp Blank

Checklist Completed By: SP

Date: 09/27/00

SOP No: F.2V10

Analytical Report For 9169

for

IT Corporation

Project Manager: Maureen McMyler

Project Name : Plumbrook Ordnance Works

November 3, 2000

GPL

Laboratories

Project Manager

Laboratory Director

202 Perry Parkway Gaithersburg, MD 20877 Phone (301) 926 6802 Fax: (301) 840) 1209
www.gplab.com

GPL

Laboratories

CASE NARRATIVE

CLIENT:	**IT CORPORATION**
PROJECT/SITE:	**PLUMBROOK ORDNANCE WORKS**
WORK ORDER(S):	**9169**
REVIEW DATE:	**11/03/00**

The Case Narrative, Chain of Custody, Sample Receipt Checklist, and the cover page of the Analytical Report, are integral parts of GPL Laboratories' report package. If you did not receive all of these documents, please contact GPL immediately.

Sample Receipt

Fifteen waters and fifteen soil samples were received on 09/28/2000. The samples were delivered by Federal Express. The samples were received intact. Sample receipt conditions and temperatures are documented on the Sample Receipt Checklist.

Sample Analysis

Samples were prepared and analyzed by GPL using the analytical methodologies indicated on the Analytical Report of Analysis.

Volatile Analysis

1. Thirteen soils and four water samples were analyzed for volatile organic using 8260B methodologies.

2. The matrix spike and matrix spike duplicate analyses for soil were performed on sample AB0455. Percent surrogate recoveries were outside established QC limits.

3. The matrix spike and matrix spike duplicate analyses for water were performed on two water samples, AA3006 and AA3010. Percent recovery of 1,1-dichloroethene on sample AB3010 was outside QC limits.

4. Percent surrogate and internal standard recoveries of water sample, 0927200-TB, was outside QC limits in the initial analysis. The sample was reanalyzed within holding time. Both data results were submitted with this package.

5. Five laboratory control sample (LCS) reports were submitted with this package.

6. The lowest calibration level reported for methylene chloride in the initial calibration curve report, 8260MED5.M, was 20 ug/Kg.

7. The lowest calibration level reported for methylene chloride, acetone, trans-1,3-dichloropropene, and bromoform in the initial calibration curve report, 86_25W15.M, was 2 ug/L.

8. Methylene chloride was present on BLK7235 at 7 ug/Kg and on BLK7461 at 804 ug/Kg.

GPL

Laboratories

CASE NARRATIVE

CLIENT: IT CORPORATION
PROJECT/SITE: PLUMBROOK ORDNANCE WORKS
WORK ORDER(S): 9169
REVIEW DATE: 11/03/00

Semivolatile Analysis

1. Three water samples and thirteen soil samples were extracted using method 3520C and 3550B respectively. These samples were analyzed for semivolatile organic compounds using USEPA method 8270C.

2. Sample AB3010MSD did not meet surrogate method criteria; matrix spike recoveries for Phenols were also low . No corrective action was taken since there was another set of MS/MSD that was extracted with the batch and had acceptable spike recoveries.

3. Sample AB3010MS did not meet internal standard method criteria.

4. Samples AB0449, AB0451 and AB0452 were analyzed at a 1:10 dilution due to the nature of the sample matrix.

5. Samples AB0442 and AB0454 were analyzed at a 1:10 dilution due to recovery of target analytes outside calibration range.

6. Samples AB0463 and AB0464 were analyzed at a 1:2 and 1:5 dilution respectively due to recovery of target analytes outside calibration range.

7. For the water samples matrix spike and duplicate analysis were performed on samples AA3006 and AB3010. There were one spike recovery and four RPD's outside of QC limits for sample AB3010. A laboratory control spike was also performed with the batch, two spike recoveries were out.

8. For the soil samples matrix spike and duplicate analysis was performed on sample AA0455. There were two spike recoveries outside of QC limits. A laboratory control spike was also performed with the batch, one spike recovery was out.

PCBs

1. Thirteen soil and three water samples were extracted and analyzed for PCB compounds using method 8082.

2. Matrix spike and MSD analysis for the soil was performed on sample AB0455 and for the water samples on samples AA3006 and AB3010. Laboratory Control Samples were analyzed with both soil and water matrix.

3. Surrogate DCB is above QC limits for BKS7134, AB0442, AB0427 DL, AB0429 DL and AB3010 MSD on RTX-CLP column and surrogate TCX was outside QC limits for AB0463 and AB0464 on RTX-CLP2 due to matrix interference as well as AB0442, AB0463 and AB0464 on RTX-CLP.

GPL

Laboratories

CASE NARRATIVE

CLIENT: IT CORPORATION
PROJECT/SITE: PLUMBROOK ORDNANCE WORKS
WORK ORDER(S): 9169
REVIEW DATE: 11/03/00

4. Concentrations reported on Form I are the higher values of results generated by two columns. However, the analyst based on the evaluation of quality control parameters determines the most reliable results. Flagged concentrations (*) on Form I indicate that reported results are the lower values.

5. Due to software limitations, some forms were corrected manually.

Explosives

1. Thirteen soil and three water samples were extracted and analyzed for explosive compounds using SW846 method 8330.

2. Matrix spike and matrix spike duplicate analyses were performed on sample AB0455 for the soil batch. Percent recoveries of the RPD for TNT, 4-Amino-2,6-DNT, 2-Amino-4,6-DNT, and 2,4-DNT were above the QC limits due to the presence of these compounds in the native sample. All other target analyte recoveries were within control limits.

3. Matrix spike and matrix spike duplicate analyses were performed on samples AA3006, and AB3010 foe the water batch. For sample AA3006, percent recovery of 1,3,5-TNB, TNT, 4-Amino-2,6-DNT, 2-Amino-4,6-DNT, and 2,4-DNT were below QC limits, and percent recovery of Nitrobenzene was above the QC limits. Percent recovery of TNT and 2,4-DNT were below the QC limits, and recovery of 4-Amino-2,6-DNT, and 2-Amino-4,6-DNT was above the QC limits for the MSD of this sample. The RPD was above the control limit for 7 of the 14 reported compounds. For sample AB3010, percent recovery of TNT was below QC limits in the MS and MSD. Percent recovery of 4-Amino-2,6-DNT and 2-Amino-4,6-DNT was above QC limits in the MS, and recovery of 2,4-DNT and 2-Nitrotoluene was below the QC limits in the MSD of this sample. The RPD was above the QC limit for TNT, 4-Amino-2,6-DNT, 2-Amino-4,6-DNT, 2,4-DNT, and 2-Nitrotoulene. In the case of both samples, a number of explosive compounds were present, some in high concentration, and there were many interfering peaks present in the native sample.

4. A laboratory control sample was extracted and analyzed along with the sample batch. All target analyte recoveries were within control limits.

5. Samples AB0442, AB0449, AB0451, AB0452, and AB0454 required diluted analysis for high levels of TNT. Sample AA3006 required a diluted analysis for high levels of TNT, 4-Amino-2,6-DNT, and 2-Amino-4,6-DNT.

6. Explosive compounds 2,4-DNT and 2,6-DNT co-elute on the primary column and the confirmation column. The mixture of 2,4-DNT and 2,6-DNT in the LCS and MS/MSD samples is quantitated and reported as 2,4-DNT. A peak detected in the retention time window of 2,4-DNT and 2,6-DNT on both columns will be reported as an isomeric pair in samples under the results for 2,4-DNT.

GPL

Laboratories

CASE NARRATIVE

CLIENT: IT CORPORATION
PROJECT/SITE: PLUMBROOK ORDNANCE WORKS
WORK ORDER(S): 9169
REVIEW DATE: 11/03/00

7. Manual integration was performed on some data files, when automatic integration provided by the software was inappropriate. Some forms were "hand" corrected due to software limitations.

Metals

1. Ten water samples and thirteen soil samples were analyzed for HSL metals by EPA SW846 methodologies.

2. The soil and water samples were reported on separate forms.

3. A matrix spike and duplicate were performed on water samples AA3006, and AB3010 for all required ICP analytes. A serial dilution was performed also for the ICP analytes. The matrix spike was outside of the control limits on sample AA3006 for antimony. All associated data was flagged with an "N". A post digestion analytical spike was performed with a recovery of 101.5%. No control limits were applied to the matrix spike for aluminum, calcium, iron, lead, magnesium, potassium, and sodium due to an insignificant spike addition. No control limits were applied to the matrix spike on sample AB3010 for calcium, and potassium due to an insignificant spike addition.

4. A matrix spike and duplicate were performed on soil sample AB0455 for all required analytes. A serial dilution was performed also for the ICP analytes. The matrix spike was outside of the control limits for aluminum, antimony, and magnesium. All associated data was flagged with an "N". A post digestion analytical spike was performed with recoveries within 10% of the true value. No control limits were applied to the matrix spike for calcium, iron, and lead due to an insignificant spike addition. The duplicate was outside of the control limits for calcium, copper, and lead. All associated data was flagged with an "*".

5. Calibration standards are verified against independent check standards purchased from a commercial vendor of environmental standards.

6. All GPL QA/QC criteria were met with the exceptions of those mentioned above.

Project Manager

Lab Director

Summary of Analytical Results

Client ID AB0427	Prep Method:	Analytical Method: CLP_SOLIDS
GPL ID: 9169-005-05-1	Prep Date:	Date Analyzed: Oct-03-2000
Matrix: Soil	Prep Time:	Time Analyzed 10:20
Date Collected: Sep-27-2000	Prep Chemist:	Analyst: Roya Sabouri
Date Received: Sep-28-2000		

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Percent Solids	80.2	0	%		1

Summary of Analytical Results

Client ID AB0429	**Prep Method:**	**Analytical Method: CLP_SOLIDS**
GPL ID: 9169-006-05-1	**Prep Date:**	**Date Analyzed: Oct-03-2000**
Matrix: Soil	**Prep Time:**	**Time Analyzed 10:20**
Date Collected: Sep-27-2000	**Prep Chemist:**	**Analyst: Roya Sabouri**
Date Received: Sep-28-2000		

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Percent Solids	78.9	0	%		1

Summary of Analytical Results

Client ID AB0442
GPL ID: 9169-007-05-1
Matrix: Soil
Date Collected: Sep-27-2000
Date Received: Sep-28-2000

Prep Method:
Prep Date:
Prep Time:
Prep Chemist:

Analytical Method: CLP_SOLIDS
Date Analyzed: Oct-03-2000
Time Analyzed 10:20
Analyst: Roya Sabouri

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Percent Solids	92.2	0	%		1

Summary of Analytical Results

Client ID AB0449	**Prep Method:**	**Analytical Method: CLP_SOLIDS**
GPL ID: 9169-008-05-1	**Prep Date:**	**Date Analyzed: Oct-03-2000**
Matrix: Soil	**Prep Time:**	**Time Analyzed 10:20**
Date Collected: Sep-27-2000	**Prep Chemist:**	**Analyst: Roya Sabouri**
Date Received: Sep-28-2000		

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Percent Solids	81.9	0	%		1

Summary of Analytical Results

Client ID AB0451	Prep Method:	Analytical Method: CLP_SOLIDS
GPL ID: 9169-009-05-1	Prep Date:	Date Analyzed: Oct-03-2000
Matrix: Soil	Prep Time:	Time Analyzed 10:20
Date Collected: Sep-27-2000	Prep Chemist:	Analyst: Roya Sabouri
Date Received: Sep-28-2000		

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Percent Solids	81.6	0	%		1

Summary of Analytical Results

Client ID AB0452	Prep Method:	Analytical Method: CLP_SOLIDS
GPL ID: 9169-010-05-1	Prep Date:	Date Analyzed: Oct-03-2000
Matrix: Soil	Prep Time:	Time Analyzed 10:20
Date Collected: Sep-27-2000	Prep Chemist:	Analyst: Roya Sabouri
Date Received: Sep-28-2000		

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Percent Solids	87.5	0	%		1

Summary of Analytical Results

Client ID AB0454	Prep Method:	Analytical Method: CLP_SOLIDS
GPL ID: 9169-011-05-1	Prep Date:	Date Analyzed: Oct-03-2000
Matrix: Soil	Prep Time:	Time Analyzed 10:20
Date Collected: Sep-27-2000	Prep Chemist:	Analyst: Roya Sabouri
Date Received: Sep-28-2000		

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Percent Solids	85.0	0	%		1

Summary of Analytical Results

Client ID AB0455	**Prep Method:**	**Analytical Method: CLP_SOLIDS**
GPL ID: 9169-012-05-1	**Prep Date:**	**Date Analyzed: Oct-03-2000**
Matrix: Soil	**Prep Time:**	**Time Analyzed 10:20**
Date Collected: Sep-27-2000	**Prep Chemist:**	**Analyst: Roya Sabouri**
Date Received: Sep-28-2000		

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Percent Solids	90.0	0	%		1

Summary of Analytical Results

Client ID AB0463	Prep Method:	Analytical Method: CLP_SOLIDS
GPL ID: 9169-015-05-1	Prep Date:	Date Analyzed: Oct-03-2000
Matrix: Soil	Prep Time:	Time Analyzed 10:20
Date Collected: Sep-27-2000	Prep Chemist:	Analyst: Roya Sabouri
Date Received: Sep-28-2000		

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Percent Solids	83.9	0	%		1

Summary of Analytical Results

Client ID AB0464	Prep Method:	Analytical Method: CLP_SOLIDS
GPL ID: 9169-016-05-1	Prep Date:	Date Analyzed: Oct-03-2000
Matrix: Soil	Prep Time:	Time Analyzed 10:20
Date Collected: Sep-27-2000	Prep Chemist:	Analyst: Roya Sabouri
Date Received: Sep-28-2000		

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Percent Solids	86.2	0	%		1

Summary of Analytical Results

Client ID AB0465	Prep Method:	Analytical Method: CLP_SOLIDS
GPL ID: 9169-017-05-1	Prep Date:	Date Analyzed: Oct-03-2000
Matrix: Soil	Prep Time:	Time Analyzed 10:20
Date Collected: Sep-27-2000	Prep Chemist:	Analyst: Roya Sabouri
Date Received: Sep-28-2000		

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Percent Solids	84.7	0	%		1

Summary of Analytical Results

Client ID AB0469	Prep Method:	Analytical Method: CLP_SOLIDS
GPL ID: 9169-018-05-1	Prep Date:	Date Analyzed: Oct-03-2000
Matrix: Soil	Prep Time:	Time Analyzed 10:20
Date Collected: Sep-27-2000	Prep Chemist:	Analyst: Roya Sabouri
Date Received: Sep-28-2000		

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Percent Solids	88.6	0	%		1

Summary of Analytical Results

Client ID AB0470	**Prep Method:**	**Analytical Method: CLP_SOLIDS**
GPL ID: 9169-019-05-1	**Prep Date:**	**Date Analyzed: Oct-03-2000**
Matrix: Soil	**Prep Time:**	**Time Analyzed 10:20**
Date Collected: Sep-27-2000	**Prep Chemist:**	**Analyst: Roya Sabouri**
Date Received: Sep-28-2000		

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Percent Solids	85.8	0	%		1

Summary of Analytical Results

Client ID AA3006
GPL ID: 9169-002-05-1
Matrix: Water
Date Collected: Sep-27-2000
Date Received: Sep-28-2000

Prep Method: SW3010A
Prep Date: Oct-25-2000
Prep Time: 15:18
Prep Chemist: Teshome Tamitre

Analytical Method: SW6010B
Date Analyzed: Oct-27-2000
Time Analyzed 04:40
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	15600	200	ug/L		1
Antimony	BQL	6	ug/L	U	1
Arsenic	8.88	5	ug/L		1
Barium	174	5	ug/L		1
Beryllium	0.854	1	ug/L	B	1
Cadmium	1.26	3	ug/L	B	1
Calcium	237000	500	ug/L		1
Chromium	27.2	5	ug/L		1
Cobalt	13.3	5	ug/L		1
Copper	41.1	5	ug/L		1
Iron	28700	100	ug/L		1
Lead	320	3	ug/L		1
Magnesium	68000	250	ug/L		1
Manganese	1540	5	ug/L		1
Nickel	44.0	5	ug/L		1
Potassium	13600	250	ug/L		1
Selenium	BQL	5	ug/L	U	1
Silver	0.987	3	ug/L	B	1
Sodium	113000	1000	ug/L		1
Thallium	BQL	10	ug/L	U	1
Vanadium	29.9	5	ug/L		1
Zinc	280	15	ug/L		1

Summary of Analytical Results

Client ID AB3010
GPL ID: 9169-020-06-1
Matrix: Water
Date Collected: Sep-27-2000
Date Received: Sep-28-2000

Prep Method: SW3010A
Prep Date: Oct-25-2000
Prep Time: 15:18
Prep Chemist: Teshome Tamitre

Analytical Method: SW6010B
Date Analyzed: Oct-27-2000
Time Analyzed 05:14
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	426	200	ug/L		1
Antimony	BQL	6	ug/L	U	1
Arsenic	BQL	5	ug/L	U	1
Barium	21.5	5	ug/L		1
Beryllium	BQL	1	ug/L	U	1
Cadmium	BQL	3	ug/L	U	1
Calcium	147000	500	ug/L		1
Chromium	BQL	5	ug/L	U	1
Cobalt	BQL	5	ug/L	U	1
Copper	4.13	5	ug/L	B	1
Iron	810	100	ug/L		1
Lead	BQL	3	ug/L	U	1
Magnesium	12500	250	ug/L		1
Manganese	109	5	ug/L		1
Nickel	2.50	5	ug/L	B	1
Potassium	6020	250	ug/L		1
Selenium	BQL	5	ug/L	U	1
Silver	BQL	3	ug/L	U	1
Sodium	3400	1000	ug/L		1
Thallium	BQL	10	ug/L	U	1
Vanadium	1.02	5	ug/L	B	1
Zinc	24.9	15	ug/L		1

Summary of Analytical Results

Client ID AB3011
GPL ID: 9169-023-06-1
Matrix: Water
Date Collected: Sep-27-2000
Date Received: Sep-28-2000

Prep Method: SW3010A
Prep Date: Oct-25-2000
Prep Time: 15:18
Prep Chemist: Teshome Tamitre

Analytical Method: SW6010B
Date Analyzed: Oct-27-2000
Time Analyzed 06:02
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	1050	200	ug/L		1
Antimony	3.98	6	ug/L	B	1
Arsenic	BQL	5	ug/L	U	1
Barium	24.7	5	ug/L		1
Beryllium	BQL	1	ug/L	U	1
Cadmium	BQL	3	ug/L	U	1
Calcium	152000	500	ug/L		1
Chromium	2.18	5	ug/L	B	1
Cobalt	1.62	5	ug/L	B	1
Copper	6.18	5	ug/L		1
Iron	2080	100	ug/L		1
Lead	4.37	3	ug/L		1
Magnesium	13600	250	ug/L		1
Manganese	137	5	ug/L		1
Nickel	4.66	5	ug/L	B	1
Potassium	6000	250	ug/L		1
Selenium	3.36	5	ug/L	B	1
Silver	0.955	3	ug/L	B	1
Sodium	3530	1000	ug/L		1
Thallium	BQL	10	ug/L	U	1
Vanadium	3.59	5	ug/L	B	1
Zinc	33.2	15	ug/L		1

Summary of Analytical Results

Client ID AA3006 FILTERED
GPL ID: 9169-024-01-1
Matrix: Water
Date Collected: Sep-27-2000
Date Received: Sep-28-2000

Prep Method: SW3010A
Prep Date: Oct-25-2000
Prep Time: 15:18
Prep Chemist: Teshome Tamitre

Analytical Method: SW6010B
Date Analyzed: Oct-27-2000
Time Analyzed 06:09
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	281	200	ug/L		1
Antimony	BQL	6	ug/L	U	1
Arsenic	BQL	5	ug/L	U	1
Barium	52.6	5	ug/L		1
Beryllium	BQL	1	ug/L	U	1
Cadmium	BQL	3	ug/L	U	1
Calcium	173000	500	ug/L		1
Chromium	BQL	5	ug/L	U	1
Cobalt	2.01	5	ug/L	B	1
Copper	2.38	5	ug/L	B	1
Iron	417	100	ug/L		1
Lead	4.61	3	ug/L		1
Magnesium	59300	250	ug/L		1
Manganese	1540	5	ug/L		1
Nickel	BQL	5	ug/L	U	1
Potassium	9110	250	ug/L		1
Selenium	BQL	5	ug/L	U	1
Silver	0.975	3	ug/L	B	1
Sodium	117000	1000	ug/L		1
Thallium	BQL	10	ug/L	U	1
Vanadium	BQL	5	ug/L	U	1
Zinc	16.4	15	ug/L		1

Summary of Analytical Results

Client ID AB3010 FILTERED
GPL ID: 9169-027-01-1
Matrix: Water
Date Collected: Sep-27-2000
Date Received: Sep-28-2000

Prep Method: SW3010A
Prep Date: Oct-25-2000
Prep Time: 15:18
Prep Chemist: Teshome Tamitre

Analytical Method: SW6010B
Date Analyzed: Oct-27-2000
Time Analyzed 06:29
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	BQL	200	ug/L	U	1
Antimony	BQL	6	ug/L	U	1
Arsenic	BQL	5	ug/L	U	1
Barium	16.4	5	ug/L		1
Beryllium	BQL	1	ug/L	U	1
Cadmium	BQL	3	ug/L	U	1
Calcium	135000	500	ug/L		1
Chromium	BQL	5	ug/L	U	1
Cobalt	BQL	5	ug/L	U	1
Copper	3.23	5	ug/L	B	1
Iron	BQL	100	ug/L	U	1
Lead	BQL	3	ug/L	U	1
Magnesium	12100	250	ug/L		1
Manganese	115	5	ug/L		1
Nickel	BQL	5	ug/L	U	1
Potassium	4770	250	ug/L		1
Selenium	BQL	5	ug/L	U	1
Silver	BQL	3	ug/L	U	1
Sodium	2900	1000	ug/L		1
Thallium	BQL	10	ug/L	U	1
Vanadium	BQL	5	ug/L	U	1
Zinc	16.5	15	ug/L		1

Summary of Analytical Results

Client ID AB3011 FILTERED
GPL ID: 9169-030-01-1
Matrix: Water
Date Collected: Sep-27-2000
Date Received: Sep-28-2000

Prep Method: SW3010A
Prep Date: Oct-25-2000
Prep Time: 15:18
Prep Chemist: Teshome Tamitre

Analytical Method: SW6010B
Date Analyzed: Oct-27-2000
Time Analyzed 06:50
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	BQL	200	ug/L	U	1
Antimony	BQL	6	ug/L	U	1
Arsenic	BQL	5	ug/L	U	1
Barium	18.2	5	ug/L		1
Beryllium	BQL	1	ug/L	U	1
Cadmium	BQL	3	ug/L	U	1
Calcium	140000	500	ug/L		1
Chromium	BQL	5	ug/L	U	1
Cobalt	BQL	5	ug/L	U	1
Copper	3.36	5	ug/L	B	1
Iron	BQL	100	ug/L	U	1
Lead	BQL	3	ug/L	U	1
Magnesium	12100	250	ug/L		1
Manganese	105	5	ug/L		1
Nickel	BQL	5	ug/L	U	1
Potassium	5620	250	ug/L		1
Selenium	BQL	5	ug/L	U	1
Silver	0.746	3	ug/L	B	1
Sodium	3360	1000	ug/L		1
Thallium	BQL	10	ug/L	U	1
Vanadium	BQL	5	ug/L	U	1
Zinc	18.2	15	ug/L		1

Summary of Analytical Results

Client ID AB0427
GPL ID: 9169-005-05-1
Matrix: Soil
Date Collected: Sep-27-2000
Date Received: Sep-28-2000

Prep Method: SW3050B
Prep Date: Oct-26-2000
Prep Time: 17:54
Prep Chemist: Teshome Tamitre

Analytical Method: SW6010B
Date Analyzed: Nov-01-2000
Time Analyzed 23:59
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	5770	46.2	mg/kg		2
Antimony	0.842	1.39	mg/kg	B	2
Arsenic	6.81	1.15	mg/kg		2
Barium	137	1.15	mg/kg		2
Beryllium	0.500	0.231	mg/kg		2
Cadmium	0.146	0.692	mg/kg	B	2
Calcium	19700	115	mg/kg		2
Chromium	8.59	1.15	mg/kg		2
Cobalt	5.36	1.15	mg/kg		2
Copper	13.0	1.15	mg/kg		2
Iron	28800	23.1	mg/kg		2
Lead	137	0.692	mg/kg		2
Magnesium	6330	57.7	mg/kg		2
Manganese	2440	1.15	mg/kg		2
Nickel	13.4	1.15	mg/kg		2
Potassium	803	57.7	mg/kg		2
Selenium	BQL	1.15	mg/kg	U	2
Silver	0.459	0.692	mg/kg	B	2
Sodium	215	231	mg/kg	B	2
Thallium	BQL	2.31	mg/kg	U	2
Vanadium	13.8	1.15	mg/kg		2
Zinc	77.0	3.46	mg/kg		2

Summary of Analytical Results

Client ID AB0429
GPL ID: 9169-006-05-1
Matrix: Soil
Date Collected: Sep-27-2000
Date Received: Sep-28-2000

Prep Method: SW3050B
Prep Date: Oct-26-2000
Prep Time: 17:54
Prep Chemist: Teshome Tamitre

Analytical Method: SW6010B
Date Analyzed: Nov-02-2000
Time Analyzed 16:21
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	6560	120	mg/kg		5
Antimony	8.15	3.59	mg/kg		5
Arsenic	7.55	2.99	mg/kg		5
Barium	365	2.99	mg/kg		5
Beryllium	0.602	0.598	mg/kg		5
Cadmium	BQL	1.79	mg/kg	U	5
Calcium	18500	299	mg/kg		5
Chromium	11.0	2.99	mg/kg		5
Cobalt	9.63	2.99	mg/kg		5
Copper	17.1	2.99	mg/kg		5
Iron	35500	59.8	mg/kg		5
Lead	132	1.79	mg/kg		5
Magnesium	5780	149	mg/kg		5
Manganese	5160	2.99	mg/kg		5
Nickel	15.8	2.99	mg/kg		5
Potassium	800	149	mg/kg		5
Selenium	BQL	2.99	mg/kg	U	5
Silver	BQL	1.79	mg/kg	U	5
Sodium	223	598	mg/kg	B	5
Thallium	BQL	5.98	mg/kg	U	5
Vanadium	16.0	2.99	mg/kg		5
Zinc	93.1	8.97	mg/kg		5

Summary of Analytical Results

Client ID AB0442
GPL ID: 9169-007-05-1
Matrix: Soil
Date Collected: Sep-27-2000
Date Received: Sep-28-2000

Prep Method: SW3050B
Prep Date: Oct-26-2000
Prep Time: 17:54
Prep Chemist: Teshome Tamitre

Analytical Method: SW6010B
Date Analyzed: Nov-02-2000
Time Analyzed 00:13
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	2610	40.5	mg/kg		2
Antimony	BQL	1.22	mg/kg	U	2
Arsenic	2.26	1.01	mg/kg		2
Barium	28.2	1.01	mg/kg		2
Beryllium	0.156	0.203	mg/kg	B	2
Cadmium	BQL	0.608	mg/kg	U	2
Calcium	9330	101	mg/kg		2
Chromium	4.36	1.01	mg/kg		2
Cobalt	1.39	1.01	mg/kg		2
Copper	4.54	1.01	mg/kg		2
Iron	6600	20.3	mg/kg		2
Lead	25.6	0.608	mg/kg		2
Magnesium	1040	50.7	mg/kg		2
Manganese	74.0	1.01	mg/kg		2
Nickel	4.48	1.01	mg/kg		2
Potassium	308	50.7	mg/kg		2
Selenium	BQL	1.01	mg/kg	U	2
Silver	BQL	0.608	mg/kg	U	2
Sodium	195	203	mg/kg	B	2
Thallium	BQL	2.03	mg/kg	U	2
Vanadium	7.90	1.01	mg/kg		2
Zinc	25.6	3.04	mg/kg		2

Summary of Analytical Results

Client ID AB0449
GPL ID: 9169-008-05-1
Matrix: Soil
Date Collected: Sep-27-2000
Date Received: Sep-28-2000

Prep Method: SW3050B
Prep Date: Oct-26-2000
Prep Time: 17:54
Prep Chemist: Teshome Tamitre

Analytical Method: SW6010B
Date Analyzed: Nov-02-2000
Time Analyzed 00:33
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	5100	45.2	mg/kg		2
Antimony	0.618	1.36	mg/kg	B	2
Arsenic	5.27	1.13	mg/kg		2
Barium	27.2	1.13	mg/kg		2
Beryllium	0.344	0.226	mg/kg		2
Cadmium	0.357	0.678	mg/kg	B	2
Calcium	20100	113	mg/kg		2
Chromium	11.1	1.13	mg/kg		2
Cobalt	4.53	1.13	mg/kg		2
Copper	27.0	1.13	mg/kg		2
Iron	15600	22.6	mg/kg		2
Lead	447	0.678	mg/kg		2
Magnesium	3570	56.5	mg/kg		2
Manganese	245	1.13	mg/kg		2
Nickel	14.1	1.13	mg/kg		2
Potassium	990	56.5	mg/kg		2
Selenium	BQL	1.13	mg/kg	U	2
Silver	BQL	0.678	mg/kg	U	2
Sodium	282	226	mg/kg		2
Thallium	BQL	2.26	mg/kg	U	2
Vanadium	17.0	1.13	mg/kg		2
Zinc	81.7	3.39	mg/kg		2

Summary of Analytical Results

Client ID AB0451
GPL ID: 9169-009-05-1
Matrix: Soil
Date Collected: Sep-27-2000
Date Received: Sep-28-2000

Prep Method: SW3050B
Prep Date: Oct-26-2000
Prep Time: 17:54
Prep Chemist: Teshome Tamitre

Analytical Method: SW6010B
Date Analyzed: Nov-02-2000
Time Analyzed 00:40
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	3880	47.6	mg/kg		2
Antimony	1.03	1.43	mg/kg	B	2
Arsenic	3.75	1.19	mg/kg		2
Barium	19.6	1.19	mg/kg		2
Beryllium	0.294	0.238	mg/kg		2
Cadmium	0.163	0.714	mg/kg	B	2
Calcium	5710	119	mg/kg		2
Chromium	38.0	1.19	mg/kg		2
Cobalt	3.45	1.19	mg/kg		2
Copper	13.1	1.19	mg/kg		2
Iron	11500	23.8	mg/kg		2
Lead	117	0.714	mg/kg		2
Magnesium	1600	59.5	mg/kg		2
Manganese	119	1.19	mg/kg		2
Nickel	24.9	1.19	mg/kg		2
Potassium	507	59.5	mg/kg		2
Selenium	BQL	1.19	mg/kg	U	2
Silver	BQL	0.714	mg/kg	U	2
Sodium	252	238	mg/kg		2
Thallium	BQL	2.38	mg/kg	U	2
Vanadium	18.0	1.19	mg/kg		2
Zinc	55.4	3.57	mg/kg		2

Summary of Analytical Results

Client ID AB0452
GPL ID: 9169-010-05-1
Matrix: Soil
Date Collected: Sep-27-2000
Date Received: Sep-28-2000

Prep Method: SW3050B
Prep Date: Oct-26-2000
Prep Time: 17:54
Prep Chemist: Teshome Tamitre

Analytical Method: SW6010B
Date Analyzed: Nov-02-2000
Time Analyzed 00:47
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	2550	43.1	mg/kg		2
Antimony	BQL	1.29	mg/kg	U	2
Arsenic	4.32	1.08	mg/kg		2
Barium	17.4	1.08	mg/kg		2
Beryllium	0.191	0.216	mg/kg	B	2
Cadmium	0.138	0.647	mg/kg	B	2
Calcium	21400	108	mg/kg		2
Chromium	4.50	1.08	mg/kg		2
Cobalt	2.23	1.08	mg/kg		2
Copper	8.64	1.08	mg/kg		2
Iron	7620	21.6	mg/kg		2
Lead	65.1	0.647	mg/kg		2
Magnesium	3550	53.9	mg/kg		2
Manganese	103	1.08	mg/kg		2
Nickel	5.56	1.08	mg/kg		2
Potassium	333	53.9	mg/kg		2
Selenium	BQL	1.08	mg/kg	U	2
Silver	BQL	0.647	mg/kg	U	2
Sodium	230	216	mg/kg		2
Thallium	BQL	2.16	mg/kg	U	2
Vanadium	7.81	1.08	mg/kg		2
Zinc	57.7	3.23	mg/kg		2

Summary of Analytical Results

Client ID AB0454
GPL ID: 9169-011-05-1
Matrix: Soil
Date Collected: Sep-27-2000
Date Received: Sep-28-2000

Prep Method: SW3050B
Prep Date: Oct-26-2000
Prep Time: 17:54
Prep Chemist: Teshome Tamitre

Analytical Method: SW6010B
Date Analyzed: Nov-02-2000
Time Analyzed 00:54
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	1870	44.4	mg/kg		2
Antimony	BQL	1.33	mg/kg	U	2
Arsenic	3.83	1.11	mg/kg		2
Barium	30.3	1.11	mg/kg		2
Beryllium	0.159	0.222	mg/kg	B	2
Cadmium	BQL	0.666	mg/kg	U	2
Calcium	959	111	mg/kg		2
Chromium	3.04	1.11	mg/kg		2
Cobalt	1.14	1.11	mg/kg		2
Copper	6.38	1.11	mg/kg		2
Iron	5520	22.2	mg/kg		2
Lead	97.0	0.666	mg/kg		2
Magnesium	388	55.5	mg/kg		2
Manganese	46.7	1.11	mg/kg		2
Nickel	3.30	1.11	mg/kg		2
Potassium	390	55.5	mg/kg		2
Selenium	BQL	1.11	mg/kg	U	2
Silver	BQL	0.666	mg/kg	U	2
Sodium	163	222	mg/kg	B	2
Thallium	BQL	2.22	mg/kg	U	2
Vanadium	6.56	1.11	mg/kg		2
Zinc	25.2	3.33	mg/kg		2

Summary of Analytical Results

Client ID AB0455
GPL ID: 9169-012-05-1
Matrix: Soil
Date Collected: Sep-27-2000
Date Received: Sep-28-2000

Prep Method: SW3050B
Prep Date: Oct-26-2000
Prep Time: 17:54
Prep Chemist: Teshome Tamitre

Analytical Method: SW6010B
Date Analyzed: Nov-02-2000
Time Analyzed 01:01
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	4060	42.7	mg/kg		2
Antimony	0.820	1.28	mg/kg	B	2
Arsenic	5.59	1.07	mg/kg		2
Barium	27.9	1.07	mg/kg		2
Beryllium	0.311	0.214	mg/kg		2
Cadmium	0.285	0.641	mg/kg	B	2
Calcium	5300	107	mg/kg		2
Chromium	12.5	1.07	mg/kg		2
Cobalt	2.41	1.07	mg/kg		2
Copper	23.3	1.07	mg/kg		2
Iron	9560	21.4	mg/kg		2
Lead	721	0.641	mg/kg		2
Magnesium	1270	53.4	mg/kg		2
Manganese	63.7	1.07	mg/kg		2
Nickel	12.3	1.07	mg/kg		2
Potassium	678	53.4	mg/kg		2
Selenium	BQL	1.07	mg/kg	U	2
Silver	BQL	0.641	mg/kg	U	2
Sodium	251	214	mg/kg		2
Thallium	BQL	2.14	mg/kg	U	2
Vanadium	11.3	1.07	mg/kg		2
Zinc	112	3.21	mg/kg		2

Summary of Analytical Results

Client ID AB0463
GPL ID: 9169-015-05-1
Matrix: Soil
Date Collected: Sep-27-2000
Date Received: Sep-28-2000

Prep Method: SW3050B
Prep Date: Oct-26-2000
Prep Time: 17:54
Prep Chemist: Teshome Tamitre

Analytical Method: SW6010B
Date Analyzed: Nov-02-2000
Time Analyzed 01:48
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	4310	45	mg/kg		2
Antimony	BQL	1.35	mg/kg	U	2
Arsenic	2.99	1.12	mg/kg		2
Barium	24.4	1.12	mg/kg		2
Beryllium	0.321	0.225	mg/kg		2
Cadmium	0.136	0.675	mg/kg	B	2
Calcium	65300	112	mg/kg		2
Chromium	7.13	1.12	mg/kg		2
Cobalt	3.62	1.12	mg/kg		2
Copper	11.2	1.12	mg/kg		2
Iron	10100	22.5	mg/kg		2
Lead	27.9	0.675	mg/kg		2
Magnesium	1160	56.2	mg/kg		2
Manganese	361	1.12	mg/kg		2
Nickel	10.4	1.12	mg/kg		2
Potassium	897	56.2	mg/kg		2
Selenium	BQL	1.12	mg/kg	U	2
Silver	BQL	0.675	mg/kg	U	2
Sodium	288	225	mg/kg		2
Thallium	BQL	2.25	mg/kg	U	2
Vanadium	8.95	1.12	mg/kg		2
Zinc	41.2	3.37	mg/kg		2

Summary of Analytical Results

Client ID AB0464
GPL ID: 9169-016-05-1
Matrix: Soil
Date Collected: Sep-27-2000
Date Received: Sep-28-2000

Prep Method: SW3050B
Prep Date: Oct-26-2000
Prep Time: 17:54
Prep Chemist: Teshome Tamitre

Analytical Method: SW6010B
Date Analyzed: Nov-02-2000
Time Analyzed 01:55
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	6950	43.4	mg/kg		2
Antimony	BQL	1.3	mg/kg	U	2
Arsenic	2.90	1.08	mg/kg		2
Barium	21.5	1.08	mg/kg		2
Beryllium	0.515	0.217	mg/kg		2
Cadmium	BQL	0.65	mg/kg	U	2
Chromium	14.1	1.08	mg/kg		2
Cobalt	8.38	1.08	mg/kg		2
Copper	11.5	1.08	mg/kg		2
Iron	14000	21.7	mg/kg		2
Lead	4.05	0.65	mg/kg		2
Magnesium	3960	54.2	mg/kg		2
Manganese	764	1.08	mg/kg		2
Nickel	23.1	1.08	mg/kg		2
Potassium	2640	54.2	mg/kg		2
Selenium	BQL	1.08	mg/kg	U	2
Silver	BQL	0.65	mg/kg	U	2
Sodium	355	217	mg/kg		2
Thallium	BQL	2.17	mg/kg	U	2
Vanadium	9.79	1.08	mg/kg		2
Zinc	17.3	3.25	mg/kg		2

Summary of Analytical Results

Client ID AB0464
GPL ID: 9169-016-05-1
Matrix: Soil
Date Collected: Sep-27-2000
Date Received: Sep-28-2000

Prep Method: SW3050B
Prep Date: Oct-26-2000
Prep Time: 17:54
Prep Chemist: Teshome Tamitre

Analytical Method: SW6010B
Date Analyzed: Nov-02-2000
Time Analyzed 02:22
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Calcium	126000	271	mg/kg		5

Summary of Analytical Results

Client ID AB0465
GPL ID: 9169-017-05-1
Matrix: Soil
Date Collected: Sep-27-2000
Date Received: Sep-28-2000

Prep Method: SW3050B
Prep Date: Oct-26-2000
Prep Time: 17:54
Prep Chemist: Teshome Tamitre

Analytical Method: SW6010B
Date Analyzed: Nov-02-2000
Time Analyzed 02:02
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	5010	46.8	mg/kg		2
Antimony	BQL	1.4	mg/kg	U	2
Arsenic	4.22	1.17	mg/kg		2
Barium	25.3	1.17	mg/kg		2
Beryllium	0.342	0.234	mg/kg		2
Cadmium	0.160	0.701	mg/kg	B	2
Calcium	16600	117	mg/kg		2
Chromium	9.89	1.17	mg/kg		2
Cobalt	4.78	1.17	mg/kg		2
Copper	28.0	1.17	mg/kg		2
Iron	10600	23.4	mg/kg		2
Lead	157	0.701	mg/kg		2
Magnesium	1910	58.5	mg/kg		2
Manganese	244	1.17	mg/kg		2
Nickel	13.0	1.17	mg/kg		2
Potassium	1150	58.5	mg/kg		2
Selenium	BQL	1.17	mg/kg	U	2
Silver	0.497	0.701	mg/kg	B	2
Sodium	263	234	mg/kg		2
Thallium	BQL	2.34	mg/kg	U	2
Vanadium	12.7	1.17	mg/kg		2
Zinc	33.8	3.51	mg/kg		2

Summary of Analytical Results

Client ID AB0469
GPL ID: 9169-018-05-1
Matrix: Soil
Date Collected: Sep-27-2000
Date Received: Sep-28-2000

Prep Method: SW3050B
Prep Date: Oct-26-2000
Prep Time: 17:54
Prep Chemist: Teshome Tamitre

Analytical Method: SW6010B
Date Analyzed: Nov-02-2000
Time Analyzed 02:09
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	5360	43.8	mg/kg		2
Antimony	BQL	1.31	mg/kg	U	2
Arsenic	3.43	1.1	mg/kg		2
Barium	28.3	1.1	mg/kg		2
Beryllium	0.325	0.219	mg/kg		2
Cadmium	BQL	0.657	mg/kg	U	2
Calcium	7710	110	mg/kg		2
Chromium	6.49	1.1	mg/kg		2
Cobalt	2.41	1.1	mg/kg		2
Copper	4.46	1.1	mg/kg		2
Iron	9180	21.9	mg/kg		2
Lead	9.27	0.657	mg/kg		2
Magnesium	3030	54.8	mg/kg		2
Manganese	263	1.1	mg/kg		2
Nickel	6.00	1.1	mg/kg		2
Potassium	304	54.8	mg/kg		2
Selenium	BQL	1.1	mg/kg	U	2
Silver	BQL	0.657	mg/kg	U	2
Sodium	173	219	mg/kg	B	2
Thallium	BQL	2.19	mg/kg	U	2
Vanadium	11.0	1.1	mg/kg		2
Zinc	29.3	3.29	mg/kg		2

Summary of Analytical Results

Client ID AB0470
GPL ID: 9169-019-05-1
Matrix: Soil
Date Collected: Sep-27-2000
Date Received: Sep-28-2000

Prep Method: SW3050B
Prep Date: Oct-26-2000
Prep Time: 17:54
Prep Chemist: Teshome Tamitre

Analytical Method: SW6010B
Date Analyzed: Nov-02-2000
Time Analyzed 02:16
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	7180	45.3	mg/kg		2
Antimony	BQL	1.36	mg/kg	U	2
Arsenic	2.90	1.13	mg/kg		2
Barium	27.3	1.13	mg/kg		2
Beryllium	0.389	0.226	mg/kg		2
Cadmium	BQL	0.679	mg/kg	U	2
Calcium	1410	113	mg/kg		2
Chromium	6.34	1.13	mg/kg		2
Cobalt	1.63	1.13	mg/kg		2
Copper	3.38	1.13	mg/kg		2
Iron	6930	22.6	mg/kg		2
Lead	6.03	0.679	mg/kg		2
Magnesium	629	56.6	mg/kg		2
Manganese	81.9	1.13	mg/kg		2
Nickel	4.37	1.13	mg/kg		2
Potassium	253	56.6	mg/kg		2
Selenium	BQL	1.13	mg/kg	U	2
Silver	BQL	0.679	mg/kg	U	2
Sodium	210	226	mg/kg	B	2
Thallium	BQL	2.26	mg/kg	U	2
Vanadium	11.9	1.13	mg/kg		2
Zinc	27.1	3.4	mg/kg		2

Summary of Analytical Results

Client ID AA3006
GPL ID: 9169-002-05-1
Matrix: Water
Date Collected: Sep-27-2000
Date Received: Sep-28-2000

Prep Method: SW7470A_DIG
Prep Date: Oct-11-2000
Prep Time: 11:30
Prep Chemist: Kelvin Choi

Analytical Method: SW7470A
Date Analyzed: Oct-12-2000
Time Analyzed 11:46
Analyst: Kelvin Choi

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	1.74	0.2	ug/L		1

Summary of Analytical Results

Client ID AB3010
GPL ID: 9169-020-06-1
Matrix: Water
Date Collected: Sep-27-2000
Date Received: Sep-28-2000

Prep Method: SW7470A_DIG
Prep Date: Oct-11-2000
Prep Time: 11:30
Prep Chemist: Kelvin Choi

Analytical Method: SW7470A
Date Analyzed: Oct-12-2000
Time Analyzed 11:02
Analyst: Kelvin Choi

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	0.105	0.2	ug/L	B	1

Summary of Analytical Results

Client ID AB3011
GPL ID: 9169-023-06-1
Matrix: Water
Date Collected: Sep-27-2000
Date Received: Sep-28-2000

Prep Method: SW7470A_DIG
Prep Date: Oct-11-2000
Prep Time: 11:30
Prep Chemist: Kelvin Choi

Analytical Method: SW7470A
Date Analyzed: Oct-12-2000
Time Analyzed 11:15
Analyst: Kelvin Choi

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	BQL	0.2	ug/L	U	1

Summary of Analytical Results

Client ID AA3006 FILTERED
GPL ID: 9169-024-01-1
Matrix: Water
Date Collected: Sep-27-2000
Date Received: Sep-28-2000

Prep Method: SW7470A_DIG
Prep Date: Oct-11-2000
Prep Time: 11:30
Prep Chemist: Kelvin Choi

Analytical Method: SW7470A
Date Analyzed: Oct-12-2000
Time Analyzed 11:18
Analyst: Kelvin Choi

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	BQL	0.2	ug/L	U	1

Summary of Analytical Results

Client ID AB3010 FILTERED
GPL ID: 9169-027-01-1
Matrix: Water
Date Collected: Sep-27-2000
Date Received: Sep-28-2000

Prep Method: SW7470A_DIG
Prep Date: Oct-11-2000
Prep Time: 11:30
Prep Chemist: Kelvin Choi

Analytical Method: SW7470A
Date Analyzed: Oct-12-2000
Time Analyzed 11:25
Analyst: Kelvin Choi

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	BQL	0.2	ug/L	U	1

Summary of Analytical Results

Client ID AB3011 FILTERED
GPL ID: 9169-030-01-1
Matrix: Water
Date Collected: Sep-27-2000
Date Received: Sep-28-2000

Prep Method: SW7470A_DIG
Prep Date: Oct-11-2000
Prep Time: 11:30
Prep Chemist: Kelvin Choi

Analytical Method: SW7470A
Date Analyzed: Oct-12-2000
Time Analyzed 11:33
Analyst: Kelvin Choi

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	BQL	0.2	ug/L	U	1

Summary of Analytical Results

Client ID AB0427
GPL ID: 9169-005-05-1
Matrix: Soil
Date Collected: Sep-27-2000
Date Received: Sep-28-2000

Prep Method: SW7471_DIG
Prep Date: Oct-13-2000
Prep Time: 14:50
Prep Chemist: Kelvin Choi

Analytical Method: SW7471A
Date Analyzed: Oct-16-2000
Time Analyzed 11:33
Analyst: Kelvin Choi

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	0.037	0.041	mg/kg	B	1

Summary of Analytical Results

Client ID AB0429
GPL ID: 9169-006-05-1
Matrix: Soil
Date Collected: Sep-27-2000
Date Received: Sep-28-2000

Prep Method: SW7471_DIG
Prep Date: Oct-13-2000
Prep Time: 14:50
Prep Chemist: Kelvin Choi

Analytical Method: SW7471A
Date Analyzed: Oct-16-2000
Time Analyzed 11:36
Analyst: Kelvin Choi

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	0.048	0.038	mg/kg		1

Summary of Analytical Results

Client ID AB0442
GPL ID: 9169-007-05-1
Matrix: Soil
Date Collected: Sep-27-2000
Date Received: Sep-28-2000

Prep Method: SW7471_DIG
Prep Date: Oct-13-2000
Prep Time: 14:50
Prep Chemist: Kelvin Choi

Analytical Method: SW7471A
Date Analyzed: Oct-16-2000
Time Analyzed 11:39
Analyst: Kelvin Choi

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	0.027	0.036	mg/kg	B	1

Summary of Analytical Results

Client ID AB0449
GPL ID: 9169-008-05-1
Matrix: Soil
Date Collected: Sep-27-2000
Date Received: Sep-28-2000

Prep Method: SW7471_DIG
Prep Date: Oct-13-2000
Prep Time: 14:50
Prep Chemist: Kelvin Choi

Analytical Method: SW7471A
Date Analyzed: Oct-16-2000
Time Analyzed 11:41
Analyst: Kelvin Choi

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	0.294	0.034	mg/kg		1

Summary of Analytical Results

Client ID AB0451
GPL ID: 9169-009-05-1
Matrix: Soil
Date Collected: Sep-27-2000
Date Received: Sep-28-2000

Prep Method: SW7471_DIG
Prep Date: Oct-13-2000
Prep Time: 14:50
Prep Chemist: Kelvin Choi

Analytical Method: SW7471A
Date Analyzed: Oct-16-2000
Time Analyzed 11:44
Analyst: Kelvin Choi

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	0.247	0.037	mg/kg		1

Summary of Analytical Results

Client ID AB0452
GPL ID: 9169-010-05-1
Matrix: Soil
Date Collected: Sep-27-2000
Date Received: Sep-28-2000

Prep Method: SW7471_DIG
Prep Date: Oct-13-2000
Prep Time: 14:50
Prep Chemist: Kelvin Choi

Analytical Method: SW7471A
Date Analyzed: Oct-16-2000
Time Analyzed 11:47
Analyst: Kelvin Choi

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	0.055	0.032	mg/kg		1

Summary of Analytical Results

Client ID AB0454
GPL ID: 9169-011-05-1
Matrix: Soil
Date Collected: Sep-27-2000
Date Received: Sep-28-2000

Prep Method: SW7471_DIG
Prep Date: Oct-13-2000
Prep Time: 14:50
Prep Chemist: Kelvin Choi

Analytical Method: SW7471A
Date Analyzed: Oct-16-2000
Time Analyzed 11:55
Analyst: Kelvin Choi

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	0.034	0.034	mg/kg		1

Summary of Analytical Results

Client ID AB0455
GPL ID: 9169-012-05-1
Matrix: Soil
Date Collected: Sep-27-2000
Date Received: Sep-28-2000

Prep Method: SW7471_DIG
Prep Date: Oct-13-2000
Prep Time: 14:50
Prep Chemist: Kelvin Choi

Analytical Method: SW7471A
Date Analyzed: Oct-16-2000
Time Analyzed 11:58
Analyst: Kelvin Choi

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	0.022	0.035	mg/kg	B	1

Summary of Analytical Results

Client ID AB0463
GPL ID: 9169-015-05-1
Matrix: Soil
Date Collected: Sep-27-2000
Date Received: Sep-28-2000

Prep Method: SW7471_DIG
Prep Date: Oct-13-2000
Prep Time: 14:50
Prep Chemist: Kelvin Choi

Analytical Method: SW7471A
Date Analyzed: Oct-16-2000
Time Analyzed 12:06
Analyst: Kelvin Choi

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	BQL	0.031	mg/kg	U	1

Summary of Analytical Results

Client ID AB0464
GPL ID: 9169-016-05-1
Matrix: Soil
Date Collected: Sep-27-2000
Date Received: Sep-28-2000

Prep Method: SW7471_DIG
Prep Date: Oct-13-2000
Prep Time: 14:50
Prep Chemist: Kelvin Choi

Analytical Method: SW7471A
Date Analyzed: Oct-16-2000
Time Analyzed 12:08
Analyst: Kelvin Choi

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	BQL	0.038	mg/kg	U	1

Summary of Analytical Results

Client ID AB0465
GPL ID: 9169-017-05-1
Matrix: Soil
Date Collected: Sep-27-2000
Date Received: Sep-28-2000

Prep Method: SW7471_DIG
Prep Date: Oct-13-2000
Prep Time: 14:50
Prep Chemist: Kelvin Choi

Analytical Method: SW7471A
Date Analyzed: Oct-16-2000
Time Analyzed 12:11
Analyst: Kelvin Choi

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	BQL	0.037	mg/kg	U	1

Summary of Analytical Results

Client ID AB0469
GPL ID: 9169-018-05-1
Matrix: Soil
Date Collected: Sep-27-2000
Date Received: Sep-28-2000

Prep Method: SW7471_DIG
Prep Date: Oct-13-2000
Prep Time: 14:50
Prep Chemist: Kelvin Choi

Analytical Method: SW7471A
Date Analyzed: Oct-16-2000
Time Analyzed 12:14
Analyst: Kelvin Choi

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	0.024	0.031	mg/kg	B	1

Summary of Analytical Results

Client ID AB0470
GPL ID: 9169-019-05-1
Matrix: Soil
Date Collected: Sep-27-2000
Date Received: Sep-28-2000

Prep Method: SW7471_DIG
Prep Date: Oct-13-2000
Prep Time: 14:50
Prep Chemist: Kelvin Choi

Analytical Method: SW7471A
Date Analyzed: Oct-16-2000
Time Analyzed 12:16
Analyst: Kelvin Choi

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	0.020	0.036	mg/kg	B	1

TOTAL METALS

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BLANKS

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 09169S

Preparation Blank Matrix (soil/water): SOIL

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Aluminum	55.2	U	55.2	U	55.2	U	55.2	U	5.520	U	P
Antimony	2.7	U	2.7	U	2.7	U	2.7	U	0.270	U	P
Arsenic	4.0	U	4.0	U	4.0	U	4.0	B	0.400	U	P
Barium	0.5	U	0.5	U	0.5	U	0.5	U	0.097	B	P
Beryllium	0.1	U	0.1	U	0.1	U	0.1	U	0.010	U	P
Cadmium	0.4	U	0.4	U	0.4	U	0.4	U	0.040	U	P
Calcium	140.0	U	140.0	U	140.0	U	140.0	U	21.916	B	P
Chromium	0.6	U	0.6	U	0.6	U	0.6	B	0.066	B	P
Cobalt	1.3	U	1.3	U	1.3	U	1.3	U	0.130	U	P
Copper	1.1	B	1.0	U	1.0	U	1.5	B	0.321	B	P
Iron	17.7	U	17.7	U	17.7	U	28.1	B	2.018	B	P
Lead	1.3	U	1.3	U	1.3	U	1.3	U	0.130	U	P
Magnesium	8.1	B	14.5	B	25.1	B	31.9	B	4.268	B	P
Manganese	0.2	U	0.2	U	0.2	U	0.2	B	0.107	B	P
Mercury	0.1	U	0.1	U	0.1	U	0.1	U	0.017	U	CV
Nickel	1.0	U	1.0	U	1.0	U	1.0	U	-0.145	B	P
Potassium	11.9	U	13.5	B	11.9	U	23.5	B	6.651	B	P
Selenium	3.3	U	3.3	U	3.3	U	3.3	U	0.330	U	P
Silver	1.8	U	1.8	U	1.8	U	1.8	U	0.180	U	P
Sodium	250.0	U	250.0	U	250.0	U	497.8	B	96.460	B	P
Thallium	5.0	U	5.0	U	5.0	U	5.0	U	-0.823	B	P
Vanadium	1.1	U	1.1	U	1.1	U	1.1	B	0.112	B	P
Zinc	4.2	U	4.2	U	4.2	U	4.2	U	0.420	U	P

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TOTAL METALS

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BLANKS

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 09169S

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C		Preparation Blank	C		M
Aluminum			55.2	U	55.2	U	55.2	U					P
Antimony			2.7	U	2.7	U	2.7	U					P
Arsenic			4.6	B	4.0	U	4.0	U					P
Barium			0.5	U	0.5	U	0.5	U					P
Beryllium			0.1	U	0.1	U	0.1	U					P
Cadmium			0.4	U	0.4	U	0.4	U					P
Calcium			140.0	U	140.0	U	140.0	U					P
Chromium			0.6	U	0.6	U	0.6	U					P
Cobalt			1.3	U	1.3	U	1.3	U					P
Copper			1.0	U	1.1	B	1.4	B					P
Iron			17.7	B	22.9	B	19.6	B					P
Lead			1.3	U	1.3	U	1.3	U					P
Magnesium			32.1	B	25.9	B	16.8	B					P
Manganese			0.3	B	0.4	B	0.2	U					P
Mercury			0.1	U	0.1	U	0.1	U					CV
Nickel			1.0	U	1.0	U	1.0	U					P
Potassium			16.4	B	15.2	B	11.9	U					P
Selenium			3.3	U	3.3	U	3.3	U					P
Silver			1.8	U	1.8	U	1.8	U					P
Sodium			327.0	B	365.4	B	250.0	U					P
Thallium			5.0	U	5.3	B	5.0	U					P
Vanadium			1.1	U	1.1	U	1.1	U					P
Zinc			4.2	U	4.2	U	4.2	U					P

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TOTAL METALS

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BLANKS

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 09169S

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Aluminum			55.2	U							P
Antimony			2.7	U							P
Arsenic			4.0	U							P
Barium			0.5	U							P
Beryllium			0.1	U							P
Cadmium			0.4	U							P
Calcium			140.0	U							P
Chromium			0.6	U							P
Cobalt			1.3	U							P
Copper			1.4	B							P
Iron			43.7	B							P
Lead			1.3	U							P
Magnesium			79.7	B							P
Manganese			0.3	B							P
Nickel			1.0	U							P
Potassium			14.8	B							P
Selenium			3.3	U							P
Silver			1.8	U							P
Sodium			250.0	U							P
Thallium			5.0	U							P
Vanadium			1.1	U							P
Zinc			4.2	U							P

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TOTAL METALS

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BLANKS

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 09169S

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C		Preparation Blank	C		M
Aluminum	55.2	U	55.2	U	55.2	U	55.2	U					P
Antimony	2.7	U	2.7	U	2.7	U	2.7	U					P
Arsenic	4.0	U	4.0	U	4.0	U	4.0	U					P
Barium	0.5	U	0.5	U	0.5	U	0.5	U					P
Beryllium	0.1	U	0.1	U	0.1	U	0.1	U					P
Cadmium	0.4	U	0.4	U	0.4	U	0.4	U					P
Calcium	140.0	U	140.0	U	140.0	U	140.0	U					P
Chromium	0.6	U	0.6	U	0.8	B	1.0	B					P
Cobalt	1.3	U	1.3	U	1.3	U	1.3	U					P
Copper	1.0	U	1.4	B	1.0	U	1.0	U					P
Iron	17.7	U	30.8	B	17.7	U	17.7	U					P
Lead	1.3	U	1.3	U	1.3	U	1.3	U					P
Magnesium	8.8	B	25.1	B	14.0	B	15.2	B					P
Manganese	0.3	B	0.2	U	0.3	B	0.2	U					P
Nickel	1.0	U	1.0	U	1.1	B	1.1	B					P
Potassium	11.9	U	11.9	U	11.9	U	11.9	U					P
Selenium	3.3	U	3.3	U	3.3	U	3.3	U					P
Silver	1.8	U	1.8	U	1.8	U	1.8	U					P
Sodium	250.0	U	250.0	U	250.0	U	250.0	U					P
Thallium	5.0	U	5.0	U	5.0	U	5.0	U					P
Vanadium	1.1	U	1.1	U	1.1	U	1.1	U					P
Zinc	4.2	U	4.2	U	4.2	U	4.2	U					P

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TOTAL METALS

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ICP INTERFERENCE CHECK SAMPLE

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 09169S

ICP ID Number: TJA61 ICP ICS Source: HIGH PURITY

Concentration Units): ug/L

Analyte	True		Initial Found			Final Found		
	Sol.A	Sol.AB	Sol.A	Sol.AB	%R	Sol.A	Sol.AB	%R
Aluminum	500000	500000	499759	502467.5	100.5	519802	521332.5	104.3
Antimony		600	6	617.6	102.9	2	631.9	105.3
Arsenic		100	6	109.7	109.7	5	109.2	109.2
Barium		500	2	527.0	105.4	2	540.6	108.1
Beryllium		500	0	506.8	101.4	0	519.2	103.8
Cadmium		1000	-1	986.0	98.6	0	999.4	99.9
Calcium	500000	500000	517434	516829.1	103.4	534107	533260.5	106.7
Chromium		500	1	506.4	101.3	1	515.7	103.1
Cobalt		500	-1	491.7	98.3	-1	498.5	99.7
Copper		500	1	538.7	107.7	2	558.5	111.7
Iron	200000	200000	193222	194054.3	97.0	198112	198510.4	99.3
Lead		50	-3	48.1	96.2	-4	47.8	95.6
Magnesium	500000	500000	505504	506339.9	101.3	511842	510690.4	102.1
Manganese		500	7	515.6	103.1	7	527.7	105.5
Nickel		1000	2	985.2	98.5	2	1001.3	100.1
Potassium			13	3690.7		15	3843.1	
Selenium		50	-5	45.0	90.0	-3	47.1	94.2
Silver		200	2	214.1	107.1	2	216.1	108.1
Sodium			265	5848.3		281	5978.3	
Thallium		100	2	100.6	100.6	1	97.0	97.0
Vanadium		500	-3	504.5	100.9	-4	513.8	102.8
Zinc		1000	28	994.4	99.4	29	1009.5	100.9

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GPL Laboratories, LLLP

TOTAL METALS
-5A-
SPIKE SAMPLE RECOVERY

SAMPLE NO.

AB0455S

Contract:

Lab Code: Case No.: SAS SDG NO.: 09169S

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 90.0

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

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum	75 - 125	7332.5358		4062.5763		2157.50	151.6	N	P
Antimony	75 - 125	16.2643		0.8193	B	21.57	71.6	N	P
Arsenic	75 - 125	16.7974		5.5851		10.79	103.9		P
Barium	75 - 125	138.8150		27.9194		107.87	102.8		P
Beryllium	75 - 125	11.6396		0.3111		10.79	105.0		P
Cadmium	75 - 125	11.0645		0.2848	B	10.79	99.9		P
Calcium		17387.7659		5301.2842		1078.75	1120.4		P
Chromium	75 - 125	58.3695		12.5096		43.15	106.3		P
Cobalt	75 - 125	111.1924		2.4049		107.87	100.9		P
Copper	75 - 125	80.0656		23.3323		53.94	105.2		P
Iron		11956.1245		9561.1937		2157.50	111.0		P
Lead		2765.3155		720.6814		107.87	1895.5		P
Magnesium	75 - 125	3856.6548		1271.4261		1078.75	239.7	N	P
Manganese	75 - 125	198.7308		63.7131		107.87	125.2		P
Mercury	75 - 125	0.5661		0.0219	B	0.53	102.7		CV
Nickel	75 - 125	119.5687		12.3133		107.87	99.4		P
Potassium	75 - 125	1696.0694		678.0320		1078.75	94.4		P
Selenium	75 - 125	10.7870		0.7051	U	10.79	100.0		P
Silver	75 - 125	11.1551		0.3846	U	10.79	103.4		P
Sodium	75 - 125	1404.2452		251.1072		1078.75	106.9		P
Thallium	75 - 125	10.2071		1.0684	U	10.79	94.6		P
Vanadium	75 - 125	124.7652		11.2890		107.87	105.2		P
Zinc	75 - 125	235.9271		111.7916		107.87	115.1		P

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Comments:

TOTAL METALS

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DUPLICATES

SAMPLE NO.

AB0455D

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 09169S

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 90.0 % Solids for Duplicate: 90.0

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

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum		4062.5763		4148.0106		2.1		P
Antimony	1.3	0.8193	B	1.3104		46.1		P
Arsenic		5.5851		5.9106		5.7		P
Barium		27.9194		25.1859		10.3		P
Beryllium	0.2	0.3111		0.2711		13.8		P
Cadmium		0.2848	B	0.2665	B	6.6		P
Calcium		5301.2842		3787.4815		33.3	*	P
Chromium		12.5096		12.6871		1.4		P
Cobalt	1.1	2.4049		2.4488		1.8		P
Copper		23.3323		18.3184		24.1	*	P
Iron		9561.1937		9574.6713		0.1		P
Lead		720.6814		526.5892		31.1	*	P
Magnesium		1271.4261		1134.1400		11.4		P
Manganese		63.7131		58.5526		8.4		P
Mercury		0.0219	B	0.0300	B	31.1		CV
Nickel		12.3133		10.2880		17.9		P
Potassium		678.0320		558.5596		19.3		P
Selenium		0.7051	U	0.7190	U			P
Silver		0.3846	U	0.4962	B	200.0		P
Sodium	217.9	251.1072		268.2344		6.6		P
Thallium		1.0684	U	1.0893	U			P
Vanadium		11.2890		11.3674		0.7		P
Zinc		111.7916		94.8970		16.3		P

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TOTAL METALS
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LABORATORY CONTROL SAMPLE

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 09169S

Solid LCS Source: HIGH PURITY

Aqueous LCS Source:

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Aluminum				2000.0	2020.3		1600.0	2400.0	101.0
Antimony				20.0	19.7		16.0	24.0	98.2
Arsenic				10.0	10.3		8.0	12.0	103.2
Barium				100.0	102.1		80.0	120.0	102.0
Beryllium				10.0	10.3		8.0	12.0	103.3
Cadmium				10.0	10.1		8.0	12.0	100.6
Calcium				1000.0	990.1		800.0	1200.0	99.0
Chromium				40.0	40.8		32.0	48.0	102.0
Cobalt				100.0	100.2		80.0	120.0	100.1
Copper				50.0	52.0		40.0	60.0	104.0
Iron				2000.0	1958.7		1600.0	2400.0	97.9
Lead				100.0	102.0		80.0	120.0	102.0
Magnesium				1000.0	988.3		800.0	1200.0	98.8
Manganese				100.0	102.4		80.0	120.0	102.4
Mercury				0.5	0.5		0.4	0.6	99.0
Nickel				100.0	100.7		80.0	120.0	100.7
Potassium				1000.0	992.1		800.0	1200.0	99.2
Selenium				10.0	9.7		8.0	12.0	97.2
Silver				10.0	10.1		8.0	12.0	100.8
Sodium				1000.0	1123.5		800.0	1200.0	112.3
Thallium				10.0	9.4		8.0	12.0	93.6
Vanadium				100.0	101.3		80.0	120.0	101.3
Zinc				100.0	100.9		80.0	120.0	100.9

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TOTAL METALS

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BLANKS

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 09169

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Aluminum	23.1	U	23.1	U	33.5	B	23.1	U	23.100	U	P
Antimony	3.7	U	3.7	U	3.7	U	3.7	U	3.700	U	P
Arsenic	3.2	U	3.2	U	3.2	U	3.2	U	3.200	U	P
Barium	0.6	U	0.6	U	0.6	U	0.6	U	1.741	B	P
Beryllium	0.1	U	0.1	U	0.1	U	0.1	U	0.100	U	P
Cadmium	0.4	U	0.4	U	0.4	U	0.4	U	0.400	U	P
Calcium	104.0	U	104.0	U	104.0	U	104.0	U	152.390	B	P
Chromium	0.8	U	0.8	U	0.8	U	0.8	U	0.877	B	P
Cobalt	0.9	U	0.9	U	0.9	U	0.9	U	0.900	U	P
Copper	1.2	U	1.2	U	1.2	U	1.2	U	2.551	B	P
Iron	15.0	U	15.0	U	28.2	B	23.5	B	16.389	B	P
Lead	1.5	U	1.5	U	1.5	U	1.5	U	1.500	U	P
Magnesium	22.4	U	27.4	B	49.7	B	42.3	B	44.886	B	P
Manganese	0.4	U	0.4	U	0.4	U	0.4	U	0.400	U	P
Mercury	0.1	U	0.1	U	0.1	U	0.1	U	0.100	U	CV
Nickel	2.0	U	2.0	U	2.0	U	2.0	U	2.000	U	P
Potassium	9.1	U	-9.4	B	9.1	U	9.1	U	10.743	B	P
Selenium	2.3	U	3.4	B	3.8	B	2.3	U	2.834	B	P
Silver	0.7	U	0.7	U	0.7	U	0.7	U	0.700	U	P
Sodium	198.0	U	198.0	U	198.0	U	198.0	U	198.000	U	P
Thallium	5.5	U	5.5	U	5.5	U	5.5	U	5.500	U	P
Vanadium	0.9	U	0.9	U	0.9	U	0.9	U	0.900	U	P
Zinc	4.0	U	4.0	U	4.0	U	4.0	U	4.000	U	P

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TOTAL METALS

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BLANKS

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 09169

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Aluminum			23.1	U	23.1	U	23.1	U			P
Antimony			4.6	B	3.7	U	4.4	B			P
Arsenic			3.2	U	3.2	U	3.2	U			P
Barium			0.6	U	0.6	U	0.6	U			P
Beryllium			0.1	U	0.1	U	0.1	U			P
Cadmium			0.4	U	0.4	U	0.4	U			P
Calcium			104.0	U	104.0	U	104.0	U			P
Chromium			0.8	U	0.8	U	0.8	U			P
Cobalt			0.9	U	0.9	U	0.9	U			P
Copper			1.2	U	1.2	U	1.2	U			P
Iron			28.2	B	15.0	U	15.0	U			P
Lead			1.5	U	1.5	U	1.5	U			P
Magnesium			41.1	B	22.4	U	27.7	B			P
Manganese			0.4	U	0.4	U	0.4	U			P
Mercury			0.1	U	0.1	U	0.1	U	0.100	U	CV
Nickel			2.0	U	2.0	U	2.0	U			P
Potassium			11.6	B	-9.5	B	9.8	B			P
Selenium			2.7	B	2.3	U	2.3	U			P
Silver			1.2	B	0.7	U	0.9	B			P
Sodium			198.0	U	198.0	U	198.0	U			P
Thallium			5.5	U	5.5	U	5.5	U			P
Vanadium			1.1	B	0.9	U	0.9	U			P
Zinc			4.0	U	4.0	U	4.0	U			P

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TOTAL METALS

-3-

BLANKS

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 09169

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C		Preparation Blank	C		M
Aluminum			92.5	B	23.1	U	25.8	B					P
Antimony			3.7	U	3.7	U	3.7	U					P
Arsenic			3.2	U	3.2	U	3.2	U					P
Barium			0.6	U	0.6	U	0.6	U					P
Beryllium			0.1	U	0.1	U	0.1	U					P
Cadmium			0.4	U	0.4	U	0.4	U					P
Calcium			110.1	B	104.0	U	104.0	U					P
Chromium			0.8	U	0.8	U	0.9	B					P
Cobalt			0.9	U	0.9	U	0.9	U					P
Copper			1.2	U	1.2	U	1.2	U					P
Iron			47.3	B	16.2	B	21.6	B					P
Lead			1.5	U	1.5	U	1.5	U					P
Magnesium			116.0	B	31.8	B	32.4	B					P
Manganese			0.4	U	0.4	U	0.4	U					P
Nickel			2.0	U	2.0	U	2.0	U					P
Potassium			9.1	U	-13.8	B	9.1	U					P
Selenium			2.8	B	2.3	U	2.3	U					P
Silver			0.7	U	0.7	U	0.7	U					P
Sodium			198.0	U	-198.1	B	198.0	U					P
Thallium			5.5	U	5.5	U	5.5	U					P
Vanadium			0.9	U	0.9	U	0.9	U					P
Zinc			4.0	U	4.0	U	4.0	U					P

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TOTAL METALS

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BLANKS

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 09169

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C		Preparation Blank	C		M
Aluminum			23.1	U	33.3	B	50.9	B					P
Antimony			3.7	U	4.2	B	3.7	U					P
Arsenic			3.2	U	3.2	U	3.2	U					P
Barium			0.6	U	0.6	U	0.6	U					P
Beryllium			-0.2	B	0.1	U	0.1	U					P
Cadmium			0.4	U	0.4	U	0.4	U					P
Calcium			104.0	U	104.0	U	104.0	U					P
Chromium			0.8	U	1.0	B	0.8	U					P
Cobalt			0.9	U	0.9	U	0.9	U					P
Copper			1.2	U	1.2	U	1.2	U					P
Iron			15.0	U	23.6	B	24.3	B					P
Lead			1.5	U	1.5	U	1.5	U					P
Magnesium			22.4	U	53.0	B	62.1	B					P
Manganese			0.4	U	0.4	U	0.4	U					P
Nickel			2.0	U	2.0	U	2.0	U					P
Potassium			9.1	U	9.1	U	9.1	U					P
Selenium			2.3	U	2.3	U	2.3	U					P
Silver			0.7	U	1.1	B	0.8	B					P
Sodium			198.0	U	198.0	U	198.0	U					P
Thallium			5.5	U	5.5	U	5.5	U					P
Vanadium			0.9	U	0.9	U	0.9	U					P
Zinc			4.0	U	4.0	U	4.0	U					P

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GPL Laboratories, LLLP

TOTAL METALS
-5A-
SPIKE SAMPLE RECOVERY

SAMPLE NO.

AA3006S

Contract:

Lab Code: Case No.: SAS SDG NO.: 09169

Matrix (soil/water): WATER Level (low/med): LOW

% Solids for Sample: 0.0

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

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum		20405.9355		15575.5264		2000.00	241.5		P
Antimony	75 - 125	64.3044		3.7000	U	100.00	64.3	N	P
Arsenic	75 - 125	45.5921		8.8815		40.00	91.8		P
Barium	75 - 125	2237.9546		173.5801		2000.00	103.2		P
Beryllium	75 - 125	52.8725		0.8543	B	50.00	104.0		P
Cadmium	75 - 125	51.2152		1.2605	B	50.00	99.9		P
Calcium		244017.6875		237281.6875		5000.00	134.7		P
Chromium	75 - 125	235.6038		27.1618		200.00	104.2		P
Cobalt	75 - 125	518.5992		13.3171		500.00	101.1		P
Copper	75 - 125	305.3635		41.0959		250.00	105.7		P
Iron		29695.9297		28730.2969		1000.00	96.6		P
Lead		339.3619		320.1687		20.00	96.0		P
Magnesium		74433.8281		67991.3672		5000.00	128.8		P
Manganese	75 - 125	2065.4883		1542.5723		500.00	104.6		P
Mercury	75 - 125	2.7800		1.7400		1.00	104.0		CV
Nickel	75 - 125	555.5657		43.9599		500.00	102.3		P
Potassium		15577.9141		13623.0000		1000.00	195.5		P
Selenium	75 - 125	60.9819		2.3000	U	60.00	101.6		P
Silver	75 - 125	52.0095		0.9866	B	50.00	102.0		P
Sodium		119667.2031		113005.6250		5000.00	133.2		P
Thallium	75 - 125	48.0610		5.5000	U	50.00	96.1		P
Vanadium	75 - 125	550.6605		29.8735		500.00	104.2		P
Zinc	75 - 125	785.7137		280.2419		500.00	101.1		P

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Comments:

GPL Laboratories, LLLP

TOTAL METALS
-5A-
SPIKE SAMPLE RECOVERY

SAMPLE NO.

AB3010S

Contract:

Lab Code: Case No.: SAS SDG NO.: 09169

Matrix (soil/water): WATER Level (low/med): LOW

% Solids for Sample: 0.0

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

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum	75 - 125	2540.9504		426.3654		2000.00	105.7		P
Antimony	75 - 125	100.3679		3.7000	U	100.00	100.4		P
Arsenic	75 - 125	42.9562		3.2000	U	40.00	107.4		P
Barium	75 - 125	2000.8665		21.5008		2000.00	99.0		P
Beryllium	75 - 125	50.3227		0.1000	U	50.00	100.6		P
Cadmium	75 - 125	49.6806		0.4000	U	50.00	99.4		P
Calcium		151392.9375		147207.9375		5000.00	83.7		P
Chromium	75 - 125	201.5721		0.8000	U	200.00	100.8		P
Cobalt	75 - 125	496.0950		0.9000	U	500.00	99.2		P
Copper	75 - 125	257.1548		4.1273	B	250.00	101.2		P
Iron	75 - 125	1799.8386		809.9203		1000.00	99.0		P
Lead	75 - 125	20.3498		1.5000	U	20.00	101.7		P
Magnesium	75 - 125	17546.1875		12530.6309		5000.00	100.3		P
Manganese	75 - 125	606.5673		109.4126		500.00	99.4		P
Mercury	75 - 125	1.0900		0.1050	B	1.00	98.5		CV
Nickel	75 - 125	500.6870		2.5020	B	500.00	99.6		P
Potassium		7031.2148		6019.4385		1000.00	101.2		P
Selenium	75 - 125	61.1151		2.3000	U	60.00	101.9		P
Silver	75 - 125	51.2596		0.7000	U	50.00	102.5		P
Sodium	75 - 125	8471.6592		3398.6782		5000.00	101.5		P
Thallium	75 - 125	45.6162		5.5000	U	50.00	91.2		P
Vanadium	75 - 125	505.1458		1.0175	B	500.00	100.8		P
Zinc	75 - 125	522.5601		24.8518		500.00	99.5		P

50%

Comments:

TOTAL METALS

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DUPLICATES

SAMPLE NO.

AA3006D

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 09169

Matrix (soil/water): WATER Level (low/med): LOW

% Solids for Sample: 0.0 % Solids for Duplicate:

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

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum		15575.5264		14584.8047		6.6		P
Antimony		3.7000	U	3.7000	U			P
Arsenic	5.0	8.8815		8.1315		8.8		P
Barium		173.5801		170.3329		1.9		P
Beryllium		0.8543	B	0.7333	B	15.2		P
Cadmium		1.2605	B	1.3529	B	7.1		P
Calcium		237281.6875		233665.8438		1.5		P
Chromium		27.1618		25.3962		6.7		P
Cobalt	5.0	13.3171		13.3159		0.0		P
Copper		41.0959		38.9105		5.5		P
Iron		28730.2969		27788.7578		3.3		P
Lead		320.1687		312.9346		2.3		P
Magnesium		67991.3672		67041.2422		1.4		P
Manganese		1542.5723		1524.4817		1.2		P
Mercury		1.7400		1.6600		4.7		CV
Nickel		43.9599		43.3176		1.5		P
Potassium		13623.0000		13238.0313		2.9		P
Selenium		2.3000	U	2.3000	U			P
Silver		0.9866	B	0.7371	B	28.9		P
Sodium		113005.6250		112516.5625		0.4		P
Thallium		5.5000	U	5.5000	U			P
Vanadium		29.8735		27.9967		6.5		P
Zinc		280.2419		274.1463		2.2		P

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TOTAL METALS

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DUPLICATES

SAMPLE NO.

AB3010D

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 09169

Matrix (soil/water): WATER Level (low/med): LOW

% Solids for Sample: 0.0 % Solids for Duplicate:

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

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum	200.0	426.3654		436.8421		2.4		P
Antimony		3.7000	U	3.7000	U			P
Arsenic		3.2000	U	3.2000	U			P
Barium	5.0	21.5008		21.6542		0.7		P
Beryllium		0.1000	U	0.1000	U			P
Cadmium		0.4000	U	0.4000	U			P
Calcium		147207.9375		149598.7813		1.6		P
Chromium		0.8000	U	0.8000	U			P
Cobalt		0.9000	U	0.9000	U			P
Copper		4.1273	B	4.1410	B	0.3		P
Iron		809.9203		809.8876		0.0		P
Lead		1.5000	U	1.5000	U			P
Magnesium		12530.6309		12705.0254		1.4		P
Manganese		109.4126		110.9980		1.4		P
Mercury		0.1050	B	0.1000	U	200.0		CV
Nickel		2.5020	B	2.0000	U	200.0		P
Potassium		6019.4385		5912.4429		1.8		P
Selenium		2.3000	U	2.3000	U			P
Silver		0.7000	U	0.7000	U			P
Sodium	1000.0	3398.6782		3493.0422		2.7		P
Thallium		5.5000	U	5.5000	U			P
Vanadium		1.0175	B	0.9000	U	200.0		P
Zinc	20.0	24.8518		24.5431		1.2		P

TOTAL METALS

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LABORATORY CONTROL SAMPLE

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 09169

Solid LCS Source:

Aqueous LCS Source: HIGH PURITY

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Aluminum	2000.0	2082.91	104.1						
Antimony	100.0	99.75	99.8						
Arsenic	40.0	40.56	101.4						
Barium	2000.0	2000.80	100.0						
Beryllium	50.0	50.99	102.0						
Cadmium	50.0	50.80	101.6						
Calcium	5000.0	5189.87	103.8						
Chromium	200.0	203.84	101.9						
Cobalt	500.0	505.18	101.0						
Copper	250.0	256.72	102.7						
Iron	1000.0	1034.69	103.5						
Lead	20.0	20.86	104.3						
Magnesium	5000.0	5231.87	104.6						
Manganese	500.0	505.25	101.1						
Mercury	1.0	0.99	99.0						
Nickel	500.0	508.43	101.7						
Potassium	1000.0	1100.74	110.1						
Selenium	60.0	59.84	99.7						
Silver	50.0	50.44	100.9						
Sodium	5000.0	5488.63	109.8						
Thallium	50.0	48.96	97.9						
Vanadium	500.0	511.03	102.2						
Zinc	500.0	515.17	103.0						

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TOTAL METALS

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LABORATORY CONTROL SAMPLE

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 09169

Solid LCS Source:

Aqueous LCS Source: HIGH PURITY

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits	%R
Mercury	1.0	1.09	109.0					

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Summary of Analytical Results

Client ID AA3006
GPL ID: 9169-002-07-1
Matrix: Water
Date Collected: Sep-27-2000
Date Received: Sep-28-2000

Prep Method: SW3520C
Prep Date: Oct-03-2000
Prep Time: 14:07
Prep Chemist: Veena Telhan

Analytical Method: SW8082
Date Analyzed: Oct-09-2000
Time Analyzed 05:47
Analyst: Philipos Yosief

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	1.1	ug/L	U	1
PCB-1221	BQL	1.1	ug/L	U	1
PCB-1232	BQL	1.1	ug/L	U	1
PCB-1242	BQL	1.1	ug/L	U	1
PCB-1248	BQL	1.1	ug/L	U	1
PCB-1254	BQL	1.1	ug/L	U	1
PCB-1260	BQL	2.2	ug/L	U	1

Summary of Analytical Results

Client ID AB3010
GPL ID: 9169-020-09-1/2
Matrix: Water
Date Collected: Sep-27-2000
Date Received: Sep-28-2000

Prep Method: SW3520C
Prep Date: Oct-03-2000
Prep Time: 14:07
Prep Chemist: Veena Telhan

Analytical Method: SW8082
Date Analyzed: Oct-09-2000
Time Analyzed 07:09
Analyst: Philipos Yosief

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	1.11	ug/L	U	1
PCB-1221	BQL	1.11	ug/L	U	1
PCB-1232	BQL	1.11	ug/L	U	1
PCB-1242	BQL	1.11	ug/L	U	1
PCB-1248	BQL	1.11	ug/L	U	1
PCB-1254	BQL	1.11	ug/L	U	1
PCB-1260	BQL	2.22	ug/L	U	1

Summary of Analytical Results

Client ID AB3011
GPL ID: 9169-023-09-1/2
Matrix: Water
Date Collected: Sep-27-2000
Date Received: Sep-28-2000

Prep Method: SW3520C
Prep Date: Oct-03-2000
Prep Time: 14:07
Prep Chemist: Veena Telhan

Analytical Method: SW8082
Date Analyzed: Oct-09-2000
Time Analyzed 08:31
Analyst: Philipos Yosief

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	1.11	ug/L	U	1
PCB-1221	BQL	1.11	ug/L	U	1
PCB-1232	BQL	1.11	ug/L	U	1
PCB-1242	BQL	1.11	ug/L	U	1
PCB-1248	BQL	1.11	ug/L	U	1
PCB-1254	BQL	1.11	ug/L	U	1
PCB-1260	BQL	2.22	ug/L	U	1

Summary of Analytical Results

Client ID AB0427
GPL ID: 9169-005-04-1
Matrix: Soil
Date Collected: Sep-27-2000
Date Received: Sep-28-2000

Prep Method: SW3550
Prep Date: Oct-05-2000
Prep Time: 08:24
Prep Chemist: Shila Soleimani

Analytical Method: SW8082
Date Analyzed: Oct-18-2000
Time Analyzed 10:25
Analyst: Philipos Yosief

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	415	ug/kg	U	10
PCB-1221	BQL	415	ug/kg	U	10
PCB-1232	BQL	415	ug/kg	U	10
PCB-1242	BQL	415	ug/kg	U	10
PCB-1248	BQL	415	ug/kg	U	10
PCB-1254	BQL	415	ug/kg	U	10
PCB-1260	4680	830	ug/kg		10

Summary of Analytical Results

Client ID AB0429
GPL ID: 9169-006-04-1
Matrix: Soil
Date Collected: Sep-27-2000
Date Received: Sep-28-2000

Prep Method: SW3550
Prep Date: Oct-05-2000
Prep Time: 08:24
Prep Chemist: Shila Soleimani

Analytical Method: SW8082
Date Analyzed: Oct-18-2000
Time Analyzed 10:52
Analyst: Philipos Yosief

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	423	ug/kg	U	10
PCB-1221	BQL	423	ug/kg	U	10
PCB-1232	BQL	423	ug/kg	U	10
PCB-1242	BQL	423	ug/kg	U	10
PCB-1248	BQL	423	ug/kg	U	10
PCB-1254	BQL	423	ug/kg	U	10
PCB-1260	5070	845	ug/kg		10

Summary of Analytical Results

Client ID AB0442
GPL ID: 9169-007-04-1
Matrix: Soil
Date Collected: Sep-27-2000
Date Received: Sep-28-2000

Prep Method: SW3550
Prep Date: Oct-05-2000
Prep Time: 08:24
Prep Chemist: Shila Soleimani

Analytical Method: SW8082
Date Analyzed: Oct-10-2000
Time Analyzed 17:55
Analyst: Philipos Yosief

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	36.1	ug/kg	U	1
PCB-1221	BQL	36.1	ug/kg	U	1
PCB-1232	BQL	36.1	ug/kg	U	1
PCB-1242	BQL	36.1	ug/kg	U	1
PCB-1248	BQL	36.1	ug/kg	U	1
PCB-1254	BQL	36.1	ug/kg	U	1
PCB-1260	509	72.3	ug/kg		1

Summary of Analytical Results

Client ID AB0449
GPL ID: 9169-008-04-1
Matrix: Soil
Date Collected: Sep-27-2000
Date Received: Sep-28-2000

Prep Method: SW3550
Prep Date: Oct-05-2000
Prep Time: 08:24
Prep Chemist: Shila Soleimani

Analytical Method: SW8082
Date Analyzed: Oct-10-2000
Time Analyzed 18:23
Analyst: Philipos Yosief

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	41.2	ug/kg	U	1
PCB-1221	BQL	41.2	ug/kg	U	1
PCB-1232	BQL	41.2	ug/kg	U	1
PCB-1242	BQL	41.2	ug/kg	U	1
PCB-1248	BQL	41.2	ug/kg	U	1
PCB-1254	BQL	41.2	ug/kg	U	1
PCB-1260	464	82.4	ug/kg		1

Summary of Analytical Results

Client ID AB0451
GPL ID: 9169-009-04-1
Matrix: Soil
Date Collected: Sep-27-2000
Date Received: Sep-28-2000

Prep Method: SW3550
Prep Date: Oct-05-2000
Prep Time: 08:24
Prep Chemist: Shila Soleimani

Analytical Method: SW8082
Date Analyzed: Oct-10-2000
Time Analyzed 18:50
Analyst: Philipos Yosief

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	41.4	ug/kg	U	1
PCB-1221	BQL	41.4	ug/kg	U	1
PCB-1232	BQL	41.4	ug/kg	U	1
PCB-1242	BQL	41.4	ug/kg	U	1
PCB-1248	BQL	41.4	ug/kg	U	1
PCB-1254	BQL	41.4	ug/kg	U	1
PCB-1260	410	82.7	ug/kg		1

Summary of Analytical Results

Client ID AB0452
GPL ID: 9169-010-04-1
Matrix: Soil
Date Collected: Sep-27-2000
Date Received: Sep-28-2000

Prep Method: SW3550
Prep Date: Oct-05-2000
Prep Time: 08:24
Prep Chemist: Shila Soleimani

Analytical Method: SW8082
Date Analyzed: Oct-24-2000
Time Analyzed 15:42
Analyst: Philipos Yosief

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	77	ug/kg	U	2
PCB-1221	BQL	77	ug/kg	U	2
PCB-1232	BQL	77	ug/kg	U	2
PCB-1242	BQL	77	ug/kg	U	2
PCB-1248	BQL	77	ug/kg	U	2
PCB-1254	BQL	77	ug/kg	U	2
PCB-1260	1100	154	ug/kg		2

Summary of Analytical Results

Client ID AB0454
GPL ID: 9169-011-04-1
Matrix: Soil
Date Collected: Sep-27-2000
Date Received: Sep-28-2000

Prep Method: SW3550
Prep Date: Oct-05-2000
Prep Time: 08:24
Prep Chemist: Shila Soleimani

Analytical Method: SW8082
Date Analyzed: Oct-24-2000
Time Analyzed 16:09
Analyst: Philipos Yosief

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	79.3	ug/kg	U	2
PCB-1221	BQL	79.3	ug/kg	U	2
PCB-1232	BQL	79.3	ug/kg	U	2
PCB-1242	BQL	79.3	ug/kg	U	2
PCB-1248	BQL	79.3	ug/kg	U	2
PCB-1254	BQL	79.3	ug/kg	U	2
PCB-1260	883	159	ug/kg		2

Summary of Analytical Results

Client ID AB0455
GPL ID: 9169-012-04-1
Matrix: Soil
Date Collected: Sep-27-2000
Date Received: Sep-28-2000

Prep Method: SW3550
Prep Date: Oct-05-2000
Prep Time: 08:24
Prep Chemist: Shila Soleimani

Analytical Method: SW8082
Date Analyzed: Oct-10-2000
Time Analyzed 20:12
Analyst: Philipos Yosief

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	37	ug/kg	U	1
PCB-1221	BQL	37	ug/kg	U	1
PCB-1232	BQL	37	ug/kg	U	1
PCB-1242	BQL	37	ug/kg	U	1
PCB-1248	BQL	37	ug/kg	U	1
PCB-1254	BQL	37	ug/kg	U	1
PCB-1260	162	74.1	ug/kg		1

Summary of Analytical Results

Client ID AB0463
GPL ID: 9169-015-04-1
Matrix: Soil
Date Collected: Sep-27-2000
Date Received: Sep-28-2000

Prep Method: SW3550
Prep Date: Oct-05-2000
Prep Time: 08:24
Prep Chemist: Shila Soleimani

Analytical Method: SW8082
Date Analyzed: Oct-10-2000
Time Analyzed 21:34
Analyst: Philipos Yosief

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	39.7	ug/kg	U	1
PCB-1221	BQL	39.7	ug/kg	U	1
PCB-1232	BQL	39.7	ug/kg	U	1
PCB-1242	BQL	39.7	ug/kg	U	1
PCB-1248	BQL	39.7	ug/kg	U	1
PCB-1254	BQL	39.7	ug/kg	U	1
PCB-1260	BQL	79.4	ug/kg	U	1

Summary of Analytical Results

Client ID AB0464
GPL ID: 9169-016-04-1
Matrix: Soil
Date Collected: Sep-27-2000
Date Received: Sep-28-2000

Prep Method: SW3550
Prep Date: Oct-05-2000
Prep Time: 08:24
Prep Chemist: Shila Soleimani

Analytical Method: SW8082
Date Analyzed: Oct-10-2000
Time Analyzed 22:56
Analyst: Philipos Yosief

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	38.6	ug/kg	U	1
PCB-1221	BQL	38.6	ug/kg	U	1
PCB-1232	BQL	38.6	ug/kg	U	1
PCB-1242	BQL	38.6	ug/kg	U	1
PCB-1248	BQL	38.6	ug/kg	U	1
PCB-1254	BQL	38.6	ug/kg	U	1
PCB-1260	BQL	77.3	ug/kg	U	1

Summary of Analytical Results

Client ID AB0465
GPL ID: 9169-017-04-1
Matrix: Soil
Date Collected: Sep-27-2000
Date Received: Sep-28-2000

Prep Method: SW3550
Prep Date: Oct-05-2000
Prep Time: 08:24
Prep Chemist: Shila Soleimani

Analytical Method: SW8082
Date Analyzed: Oct-10-2000
Time Analyzed 23:23
Analyst: Philipos Yosief

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	39.3	ug/kg	U	1
PCB-1221	BQL	39.3	ug/kg	U	1
PCB-1232	BQL	39.3	ug/kg	U	1
PCB-1242	BQL	39.3	ug/kg	U	1
PCB-1248	BQL	39.3	ug/kg	U	1
PCB-1254	176	39.3	ug/kg		1
PCB-1260	135	78.7	ug/kg		1

Summary of Analytical Results

Client ID AB0469
GPL ID: 9169-018-04-1
Matrix: Soil
Date Collected: Sep-27-2000
Date Received: Sep-28-2000

Prep Method: SW3550
Prep Date: Oct-05-2000
Prep Time: 08:24
Prep Chemist: Shila Soleimani

Analytical Method: SW8082
Date Analyzed: Oct-10-2000
Time Analyzed 23:51
Analyst: Philipos Yosief

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	37.6	ug/kg	U	1
PCB-1221	BQL	37.6	ug/kg	U	1
PCB-1232	BQL	37.6	ug/kg	U	1
PCB-1242	BQL	37.6	ug/kg	U	1
PCB-1248	BQL	37.6	ug/kg	U	1
PCB-1254	BQL	37.6	ug/kg	U	1
PCB-1260	19.6	75.2	ug/kg	J	1

Summary of Analytical Results

Client ID AB0470
GPL ID: 9169-019-04-1
Matrix: Soil
Date Collected: Sep-27-2000
Date Received: Sep-28-2000

Prep Method: SW3550
Prep Date: Oct-05-2000
Prep Time: 08:24
Prep Chemist: Shila Soleimani

Analytical Method: SW8082
Date Analyzed: Oct-11-2000
Time Analyzed 00:18
Analyst: Philipos Yosief

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	38.9	ug/kg	U	1
PCB-1221	BQL	38.9	ug/kg	U	1
PCB-1232	BQL	38.9	ug/kg	U	1
PCB-1242	BQL	38.9	ug/kg	U	1
PCB-1248	BQL	38.9	ug/kg	U	1
PCB-1254	BQL	38.9	ug/kg	U	1
PCB-1260	24.4	77.7	ug/kg	J	1

2F
SOIL PESTICIDE SURROGATE RECOVERY

Lab Name: GPL LABORATORIES Contract: IT CORPORATIO

Lab Code: GPLL Case No.: 9169 SAS No.: N/A SDG No.: N/A

GC Column (1) : RTx-5 ID: 0.53 (mm) GC Column (2) : RTx-1701 ID: 0.53 (mm)

	CLIENT SAMPLE ID	TCX 1 %REC #	TCX 2 %REC #	DCB 1 %REC #	DCB 2 %REC #	TOT OUT
01	BLK7188	111	106	84	87	0
02	BKS7188	118	105	90	92	0
03	AB0442	0*	78	168*	91	2
04	AB0449	78	87	82	77	0
05	AB0451	104	97	91	75	0
06	AB0455	80	71	95	89	0
07	AB0455 MS	77	62	90	85	0
08	AB0455 MSD	74	81	88	87	0
09	AB0463	241*	0*	113	93	2
10	AB0464	0*	0*	79	87	2
11	AB0465	97	89	85	74	0
12	AB0469	122	94	94	91	0
13	AB0470	127	111	89	87	0
14	AB0427 DL	112 ~~11~~D	148 ~~15~~D	181* ~~18~~D	86 ~~9~~D	~~0~~1
15	AB0429 DL	142 ~~14~~D	149 ~~15~~D	177* ~~18~~D	136 ~~14~~D	~~0~~1
16	AB0452 DL	107 ~~54~~D	98 ~~49~~D	112 ~~56~~D	71 ~~36~~D	0
17	AB0454 DL	99 ~~49~~D	96 ~~48~~D	107 ~~54~~D	72 ~~36~~D	0

PY 10/25/00

			ADVISORY QC LIMITS
TCX	=	Tetrachloro-m-xylene	(19-191)
DCB	=	Decachlorobiphenyl	(21-155)

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate diluted out

3003

2E
WATER PESTICIDE SURROGATE RECOVERY

Lab Name: GPL LABORATORIES, LLLP Project: IT CORPORATIO

Lab Code: GPL WO No.: 9169 SAS No.: N/A SDG No.: N/A

GC Column (1) : RTx-CLP ID: 0.32 (mm) GC Column (2) : RTx-CLP2 ID: 0.32 (mm)

	CLIENT SAMPLE ID	TCX 1 %REC #	TCX 2 %REC #	DCB 1 %REC #	DCB 2 %REC #	TOT OUT
01	BLK7134	84	86	132	89	0
02	BKS7134	98	101	139 *	95	1
03	AA3006	87	83	75	53	0
04	AA3006 MS	86	83	75	53	0
05	AA3006 MSD	86	84	73	52	0
06	AB3010	80	78	117	84	0
07	AB3010 MS	84	82	134	94	0
08	AB3010 MSD	84	85	135 *	95	1
09	AB3011	90	98	123	89	0

			ADVISORY QC LIMITS
TCX	=	Tetrachloro-m-xylene	(23-112)
DCB	=	Decachlorobiphenyl	(21-134)

3004

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogate diluted out

3E

SOIL PCB's MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: GPL Laboratories Client: IT_CORPORATION

Lab Code: GPL Case No.: 9169 SAS No.: N/A SDG No.: N/A

EPA Sample No.: AB0455 MS/MSD GP ID: 9169-012MS/MSD

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENTRATION (ug/kg)	MS CONCENTRATION (ug/kg)	MS % REC	QC LIMITS REC.
AR 1016	184	0	120	67	58-133
AR 1260	369	0	400	108	40-159

COMPOUND	SPIKE ADDED (ug/kg)	MSD CONCENTRATION (ug/kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC.
AR 1016	184	150	79	16	20	58-133
AR 1260	369	400	108	1	15	40-159

* Value outside of QC limits

RPD: 0 of 2 outside limits.

Spike Recovery: 0 of 4 outside limits.

COMMENTS:

3005

3E

WATER PCB's MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: GPL Laboratories Client: IT CORPORATION

Lab Code: GPL Case No.: 9169 SAS No.: N/A SDG No.: N/A

EPA Sample No.: AB3010 MS/MSD GP ID: 9169-020-09-1MS/MSD

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC.
AR 1016	13	0	12	94	54-150
AR 1260	25	0	23	92	70-131

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC.
AR 1016	13	12	92	2	20	54-150
AR 1260	25	22	90	2	20	70-131

* Value outside of QC limits

RPD: 0 of 2 outside limits.

Spike Recovery: 0 of 4 outside limits.

COMMENTS:

3006

3E

WATER PCB's MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: GPL Laboratories | Client: IT CORPORATION

Lab Code: GPL | Case No.: 9169 | SAS No.: N/A | SDG No.: N/A

EPA Sample No.: AA3006 MS/MSD | GP ID: 9169-002-07-1MS/MSD

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC.
AR 1016	6	0	3.7	67	54-150
AR 1260	11	0	9.4	85	70-131

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC.
AR 1016	5	3.5	69	3	20	54-150
AR 1260	10	8.6	86	1	20	70-131

* Value outside of QC limits

RPD: 0 of 2 outside limits.

Spike Recovery: 0 of 4 outside limits.

COMMENTS:

3007

3E
SOIL LABORATORY CONTROL SPIKE RECOVERY

Lab Name: GPL Laboratories | Client: IT_CORPORATION

Lab Code: GPL | Case No.: 9169 | SAS No.: N/A | SDG No.: N/A

EPA Sample No.: BKS7188 | GP ID: PBLK-7188 MS

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENTRATION (ug/kg)	LCS CONCENTRATION (ug/kg)	LCS % REC	QC LIMITS REC
AR 1016	170	0	150	90	54-164
AR 1260	330	0	290	88	80-145

* Value outside of QC limits

Spike recovery: 0 out of 2 outside limits.

COMMENTS:

3006

3E
WATER LABORATORY CONTROL SPIKE RECOVERY

Lab Name: GPL Laboratories | Client: IT CORPORATION

Lab Code: GPL | Case No.: 9169 | SAS No.: N/A | SDG No.: N/A

EPA Sample No.: BKS7134 | GP ID: 9165-PBLK7134 MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC
AR 1016	5	0	7.1	143	54-164
AR 1260	10	0	8.7	87	80-145

* Value outside of QC limits

Spike recovery: 0 out of 2 outside limits.

COMMENTS:

300:)

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

BLK7188

Lab Name: GPL LABORATORIES Contract: IT CORPORAT

Lab Code: GPLL Case No.: 9169 SAS No.: N/A SDG No.: N/A

Lab Sample ID: PBLK-7188 Lab File ID: K4196P.D

Matrix: (soil/water) SOIL Extraction: (SepF/Cont/Sonc) SONC

Sulfur Cleanup: (Y/N) N Date Extracted: 10/05/00

Date Analyzed (1) : 10/10/00 Date Analyzed (2) : 10/10/00

Time Analyzed (1) : 1511 Time Analyzed (2) : 1511

Instrument ID (1) : GC-K Instrument ID (2) : GC-K

GC Column (1) : RTx-5 ID: 0.53 (mm) GC Column (2) : RTx-1701 ID: 0.53 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	BKS7188	PBLK-7188 MS	10/10/00	10/10/00
02	AB0442	9169-007-04-1	10/10/00	10/10/00
03	AB0449	9169-008-04-1	10/10/00	10/10/00
04	AB0451	9169-009-04-1	10/10/00	10/10/00
05	AB0455	9169-012-04-1	10/10/00	10/10/00
06	AB0455 MS	9169-012-04-1 MS	10/10/00	10/10/00
07	AB0455 MSD	9169-012-04-1 MSD	10/10/00	10/10/00
08	AB0463	9169-015-04-1	10/10/00	10/10/00
09	AB0464	9169-016-04-1	10/10/00	10/10/00
10	AB0465	9169-017-04-1	10/10/00	10/10/00
11	AB0469	9169-018-04-1	10/10/00	10/10/00
12	AB0470	9169-019-04-1	10/11/00	10/11/00
13	AB0427 DL	9169-005-04-1 10X	10/18/00	10/18/00
14	AB0429 DL	9169-006-04-1 10X	10/18/00	10/18/00
15	AB0452 DL	9169-010-04-1 2X	10/24/00	10/24/00
16	AB0454 DL	9169-011-04-1 2X	10/24/00	10/24/00

COMMENTS:

3010

4C

PESTICIDE METHOD BLANK SUMMARY

CLIENT ID

BLK7134

Lab Name: GPL LABORATORIES, LLLP Project: IT CORPORAT

Lab Code: GPL WO No.: 9169 SAS No.: N/A SDG No.: N/A

Lab Sample ID: 9165-PBLK7134 Lab File ID: J10858.D

Matrix: (soil/water) WATER Extraction: (SepF/Cont/Sonc) CONT

Sulfur Cleanup: (Y/N) N Date Extracted: 10/05/00

Date Analyzed (1) : 10/09/00 Date Analyzed (2) : 10/09/00

Time Analyzed (1) : 0237 Time Analyzed (2) : 0237

Instrument ID (1) : GC-J Instrument ID (2) : GC-J

GC Column (1) : RTx-CLP ID: 0.32 (mm) GC Column (2) : RTx-CLP2 ID: 0.32 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	BKS7134	9165-PBLK7134MS	10/09/00	10/09/00
02	AA3006	9169-002-07-1	10/09/00	10/09/00
03	AA3006 MS	9169-002-07-1MS	10/09/00	10/09/00
04	AA3006 MSD	9169-002-07-1MSD	10/09/00	10/09/00
05	AB3010	9169-020-09-1/2	10/09/00	10/09/00
06	AB3010 MS	9169-020-09-1MS	10/09/00	10/09/00
07	AB3010 MSD	9169-020-09-1MSD	10/09/00	10/09/00
08	AB3011	9169-023-09-1/2	10/09/00	10/09/00

COMMENTS:

3011

Summary of Analytical Results

Client ID AB0427
GPL ID: 9169-005-01-1/3
Matrix: Soil
Date Collected: Sep-27-2000
Date Received: Sep-28-2000

Prep Method: SW5035
Prep Date: Oct-05-2000
Prep Time: 08:52
Prep Chemist: Abid Mahmood

Analytical Method: SW8260B_TCL
Date Analyzed: Oct-05-2000
Time Analyzed 12:13
Analyst: Abid Mahmood

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	6.1	ug/kg	U	1
1,1,2,2-Tetrachloroethane	BQL	6.1	ug/kg	U	1
1,1,2-Trichloroethane	BQL	6.1	ug/kg	U	1
1,1-Dichloroethane	BQL	6.1	ug/kg	U	1
1,1-Dichloroethene	BQL	6.1	ug/kg	U	1
1,2-Dichloroethane	BQL	6.1	ug/kg	U	1
1,2-Dichloropropane	BQL	6.1	ug/kg	U	1
2-Butanone	41.5	12.2	ug/kg		1
2-Hexanone	BQL	12.2	ug/kg	U	1
4-Methyl-2-Pentanone	BQL	12.2	ug/kg	U	1
Acetone	224	12.2	ug/kg		1
Benzene	BQL	6.1	ug/kg	U	1
Bromodichloromethane	BQL	6.1	ug/kg	U	1
Bromoform	BQL	6.1	ug/kg	U	1
Bromomethane	BQL	12.2	ug/kg	U	1
Carbon Disulfide	5.00	6.1	ug/kg	J	1
Carbon Tetrachloride	BQL	6.1	ug/kg	U	1
Chlorobenzene	BQL	6.1	ug/kg	U	1
Chloroethane	BQL	12.2	ug/kg	U	1
Chloroform	BQL	6.1	ug/kg	U	1
Chloromethane	BQL	12.2	ug/kg	U	1
Dibromochloromethane	BQL	6.1	ug/kg	U	1
Ethylbenzene	BQL	6.1	ug/kg	U	1
Methylene Chloride	8.44	6.1	ug/kg	B	1
Styrene	BQL	6.1	ug/kg	U	1
Tetrachloroethene	BQL	6.1	ug/kg	U	1
Toluene	BQL	6.1	ug/kg	U	1
Trichloroethene	BQL	6.1	ug/kg	U	1
Vinyl Chloride	BQL	12.2	ug/kg	U	1
cis-1,2-Dichloroethene	BQL	6.1	ug/kg	U	1
cis-1,3-Dichloropropene	BQL	6.1	ug/kg	U	1
m,p-Xylenes	BQL	6.1	ug/kg	U	1
o-Xylene	BQL	6.1	ug/kg	U	1
trans-1,2-dichloroethene	BQL	6.1	ug/kg	U	1
trans-1,3-dichloropropene	BQL	6.1	ug/kg	U	1

Summary of Analytical Results

Client ID AB0429
GPL ID: 9169-006-02-2/3
Matrix: Soil
Date Collected: Sep-27-2000
Date Received: Sep-28-2000

Prep Method: SW5035
Prep Date: Oct-09-2000
Prep Time: 08:03
Prep Chemist: Abid Mahmood

Analytical Method: SW8260B_TCL
Date Analyzed: Oct-09-2000
Time Analyzed 15:29
Analyst: Abid Mahmood

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	6.15	ug/kg	U	1
1,1,2,2-Tetrachloroethane	BQL	6.15	ug/kg	U	1
1,1,2-Trichloroethane	BQL	6.15	ug/kg	U	1
1,1-Dichloroethane	BQL	6.15	ug/kg	U	1
1,1-Dichloroethene	BQL	6.15	ug/kg	U	1
1,2-Dichloroethane	BQL	6.15	ug/kg	U	1
1,2-Dichloropropane	BQL	6.15	ug/kg	U	1
2-Butanone	81.8	12.3	ug/kg		1
2-Hexanone	BQL	12.3	ug/kg	U	1
4-Methyl-2-Pentanone	BQL	12.3	ug/kg	U	1
Acetone	445	12.3	ug/kg		1
Benzene	BQL	6.15	ug/kg	U	1
Bromodichloromethane	BQL	6.15	ug/kg	U	1
Bromoform	BQL	6.15	ug/kg	U	1
Bromomethane	BQL	12.3	ug/kg	U	1
Carbon Disulfide	12.3	6.15	ug/kg		1
Carbon Tetrachloride	BQL	6.15	ug/kg	U	1
Chlorobenzene	BQL	6.15	ug/kg	U	1
Chloroethane	BQL	12.3	ug/kg	U	1
Chloroform	BQL	6.15	ug/kg	U	1
Chloromethane	BQL	12.3	ug/kg	U	1
Dibromochloromethane	BQL	6.15	ug/kg	U	1
Ethylbenzene	BQL	6.15	ug/kg	U	1
Methylene Chloride	18.8	6.15	ug/kg	B	1
Styrene	BQL	6.15	ug/kg	U	1
Tetrachloroethene	BQL	6.15	ug/kg	U	1
Toluene	BQL	6.15	ug/kg	U	1
Trichloroethene	BQL	6.15	ug/kg	U	1
Vinyl Chloride	BQL	12.3	ug/kg	U	1
cis-1,2-Dichloroethene	BQL	6.15	ug/kg	U	1
cis-1,3-Dichloropropene	BQL	6.15	ug/kg	U	1
m,p-Xylenes	BQL	6.15	ug/kg	U	1
o-Xylene	BQL	6.15	ug/kg	U	1
trans-1,2-dichloroethene	BQL	6.15	ug/kg	U	1
trans-1,3-dichloropropene	BQL	6.15	ug/kg	U	1

Summary of Analytical Results

Client ID AB0442
GPL ID: 9169-007-02-2/3
Matrix: Soil
Date Collected: Sep-27-2000
Date Received: Sep-28-2000

Prep Method: SW5035
Prep Date: Oct-09-2000
Prep Time: 08:03
Prep Chemist: Abid Mahmood

Analytical Method: SW8260B_TCL
Date Analyzed: Oct-09-2000
Time Analyzed 16:07
Analyst: Abid Mahmood

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	5.95	ug/kg	U	1
1,1,2,2-Tetrachloroethane	BQL	5.95	ug/kg	U	1
1,1,2-Trichloroethane	BQL	5.95	ug/kg	U	1
1,1-Dichloroethane	BQL	5.95	ug/kg	U	1
1,1-Dichloroethene	BQL	5.95	ug/kg	U	1
1,2-Dichloroethane	BQL	5.95	ug/kg	U	1
1,2-Dichloropropane	BQL	5.95	ug/kg	U	1
2-Butanone	BQL	11.9	ug/kg	U	1
2-Hexanone	BQL	11.9	ug/kg	U	1
4-Methyl-2-Pentanone	BQL	11.9	ug/kg	U	1
Acetone	11.4	11.9	ug/kg	J	1
Benzene	BQL	5.95	ug/kg	U	1
Bromodichloromethane	BQL	5.95	ug/kg	U	1
Bromoform	BQL	5.95	ug/kg	U	1
Bromomethane	BQL	11.9	ug/kg	U	1
Carbon Disulfide	2.20	5.95	ug/kg	J	1
Carbon Tetrachloride	BQL	5.95	ug/kg	U	1
Chlorobenzene	BQL	5.95	ug/kg	U	1
Chloroethane	BQL	11.9	ug/kg	U	1
Chloroform	BQL	5.95	ug/kg	U	1
Chloromethane	BQL	11.9	ug/kg	U	1
Dibromochloromethane	BQL	5.95	ug/kg	U	1
Ethylbenzene	BQL	5.95	ug/kg	U	1
Methylene Chloride	15.5	5.95	ug/kg	B	1
Styrene	BQL	5.95	ug/kg	U	1
Tetrachloroethene	BQL	5.95	ug/kg	U	1
Toluene	BQL	5.95	ug/kg	U	1
Trichloroethene	BQL	5.95	ug/kg	U	1
Vinyl Chloride	BQL	11.9	ug/kg	U	1
cis-1,2-Dichloroethene	BQL	5.95	ug/kg	U	1
cis-1,3-Dichloropropene	BQL	5.95	ug/kg	U	1
m,p-Xylenes	BQL	5.95	ug/kg	U	1
o-Xylene	BQL	5.95	ug/kg	U	1
trans-1,2-dichloroethene	BQL	5.95	ug/kg	U	1
trans-1,3-dichloropropene	BQL	5.95	ug/kg	U	1

Summary of Analytical Results

Client ID AB0449
GPL ID: 9169-008-02-2/3
Matrix: Soil
Date Collected: Sep-27-2000
Date Received: Sep-28-2000

Prep Method: SW5035
Prep Date: Oct-09-2000
Prep Time: 08:03
Prep Chemist: Abid Mahmood

Analytical Method: SW8260B_TCL
Date Analyzed: Oct-09-2000
Time Analyzed 16:46
Analyst: Abid Mahmood

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	5.81	ug/kg	U	1
1,1,2,2-Tetrachloroethane	BQL	5.81	ug/kg	U	1
1,1,2-Trichloroethane	BQL	5.81	ug/kg	U	1
1,1-Dichloroethane	BQL	5.81	ug/kg	U	1
1,1-Dichloroethene	BQL	5.81	ug/kg	U	1
1,2-Dichloroethane	BQL	5.81	ug/kg	U	1
1,2-Dichloropropane	BQL	5.81	ug/kg	U	1
2-Butanone	BQL	11.6	ug/kg	U	1
2-Hexanone	BQL	11.6	ug/kg	U	1
4-Methyl-2-Pentanone	BQL	11.6	ug/kg	U	1
Acetone	27.9	11.6	ug/kg		1
Benzene	BQL	5.81	ug/kg	U	1
Bromodichloromethane	BQL	5.81	ug/kg	U	1
Bromoform	BQL	5.81	ug/kg	U	1
Bromomethane	BQL	11.6	ug/kg	U	1
Carbon Disulfide	BQL	5.81	ug/kg	U	1
Carbon Tetrachloride	BQL	5.81	ug/kg	U	1
Chlorobenzene	BQL	5.81	ug/kg	U	1
Chloroethane	BQL	11.6	ug/kg	U	1
Chloroform	BQL	5.81	ug/kg	U	1
Chloromethane	BQL	11.6	ug/kg	U	1
Dibromochloromethane	BQL	5.81	ug/kg	U	1
Ethylbenzene	BQL	5.81	ug/kg	U	1
Methylene Chloride	21.1	5.81	ug/kg	B	1
Styrene	BQL	5.81	ug/kg	U	1
Tetrachloroethene	BQL	5.81	ug/kg	U	1
Toluene	BQL	5.81	ug/kg	U	1
Trichloroethene	BQL	5.81	ug/kg	U	1
Vinyl Chloride	BQL	11.6	ug/kg	U	1
cis-1,2-Dichloroethene	BQL	5.81	ug/kg	U	1
cis-1,3-Dichloropropene	BQL	5.81	ug/kg	U	1
m,p-Xylenes	BQL	5.81	ug/kg	U	1
o-Xylene	BQL	5.81	ug/kg	U	1
trans-1,2-dichloroethene	BQL	5.81	ug/kg	U	1
trans-1,3-dichloropropene	BQL	5.81	ug/kg	U	1

Summary of Analytical Results

Client ID AB0451
GPL ID: 9169-009-02-2/3
Matrix: Soil
Date Collected: Sep-27-2000
Date Received: Sep-28-2000

Prep Method: SW5035
Prep Date: Oct-09-2000
Prep Time: 08:03
Prep Chemist: Abid Mahmood

Analytical Method: SW8260B_TCL
Date Analyzed: Oct-09-2000
Time Analyzed 17:24
Analyst: Abid Mahmood

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	5.36	ug/kg	U	1
1,1,2,2-Tetrachloroethane	BQL	5.36	ug/kg	U	1
1,1,2-Trichloroethane	BQL	5.36	ug/kg	U	1
1,1-Dichloroethane	BQL	5.36	ug/kg	U	1
1,1-Dichloroethene	BQL	5.36	ug/kg	U	1
1,2-Dichloroethane	BQL	5.36	ug/kg	U	1
1,2-Dichloropropane	BQL	5.36	ug/kg	U	1
2-Butanone	15.0	10.7	ug/kg		1
2-Hexanone	BQL	10.7	ug/kg	U	1
4-Methyl-2-Pentanone	BQL	10.7	ug/kg	U	1
Acetone	43.8	10.7	ug/kg		1
Benzene	BQL	5.36	ug/kg	U	1
Bromodichloromethane	BQL	5.36	ug/kg	U	1
Bromoform	BQL	5.36	ug/kg	U	1
Bromomethane	BQL	10.7	ug/kg	U	1
Carbon Disulfide	3.47	5.36	ug/kg	J	1
Carbon Tetrachloride	BQL	5.36	ug/kg	U	1
Chlorobenzene	BQL	5.36	ug/kg	U	1
Chloroethane	BQL	10.7	ug/kg	U	1
Chloroform	BQL	5.36	ug/kg	U	1
Chloromethane	BQL	10.7	ug/kg	U	1
Dibromochloromethane	BQL	5.36	ug/kg	U	1
Ethylbenzene	BQL	5.36	ug/kg	U	1
Methylene Chloride	7.72	5.36	ug/kg	B	1
Styrene	BQL	5.36	ug/kg	U	1
Tetrachloroethene	BQL	5.36	ug/kg	U	1
Toluene	BQL	5.36	ug/kg	U	1
Trichloroethene	BQL	5.36	ug/kg	U	1
Vinyl Chloride	BQL	10.7	ug/kg	U	1
cis-1,2-Dichloroethene	BQL	5.36	ug/kg	U	1
cis-1,3-Dichloropropene	BQL	5.36	ug/kg	U	1
m,p-Xylenes	BQL	5.36	ug/kg	U	1
o-Xylene	BQL	5.36	ug/kg	U	1
trans-1,2-dichloroethene	BQL	5.36	ug/kg	U	1
trans-1,3-dichloropropene	BQL	5.36	ug/kg	U	1

Summary of Analytical Results

Client ID AB0452
GPL ID: 9169-010-02-2/3
Matrix: Soil
Date Collected: Sep-27-2000
Date Received: Sep-28-2000

Prep Method: SW5035
Prep Date: Oct-09-2000
Prep Time: 08:03
Prep Chemist: Abid Mahmood

Analytical Method: SW8260B_TCL
Date Analyzed: Oct-09-2000
Time Analyzed 18:03
Analyst: Abid Mahmood

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	5.74	ug/kg	U	1
1,1,2,2-Tetrachloroethane	BQL	5.74	ug/kg	U	1
1,1,2-Trichloroethane	BQL	5.74	ug/kg	U	1
1,1-Dichloroethane	BQL	5.74	ug/kg	U	1
1,1-Dichloroethene	BQL	5.74	ug/kg	U	1
1,2-Dichloroethane	BQL	5.74	ug/kg	U	1
1,2-Dichloropropane	BQL	5.74	ug/kg	U	1
2-Butanone	BQL	11.5	ug/kg	U	1
2-Hexanone	BQL	11.5	ug/kg	U	1
4-Methyl-2-Pentanone	BQL	11.5	ug/kg	U	1
Acetone	176	11.5	ug/kg		1
Benzene	BQL	5.74	ug/kg	U	1
Bromodichloromethane	BQL	5.74	ug/kg	U	1
Bromoform	BQL	5.74	ug/kg	U	1
Bromomethane	BQL	11.5	ug/kg	U	1
Carbon Disulfide	3.19	5.74	ug/kg	J	1
Carbon Tetrachloride	BQL	5.74	ug/kg	U	1
Chlorobenzene	BQL	5.74	ug/kg	U	1
Chloroethane	BQL	11.5	ug/kg	U	1
Chloroform	BQL	5.74	ug/kg	U	1
Chloromethane	BQL	11.5	ug/kg	U	1
Dibromochloromethane	BQL	5.74	ug/kg	U	1
Ethylbenzene	BQL	5.74	ug/kg	U	1
Methylene Chloride	4.57	5.74	ug/kg	JB	1
Styrene	BQL	5.74	ug/kg	U	1
Tetrachloroethene	BQL	5.74	ug/kg	U	1
Toluene	BQL	5.74	ug/kg	U	1
Trichloroethene	BQL	5.74	ug/kg	U	1
Vinyl Chloride	BQL	11.5	ug/kg	U	1
cis-1,2-Dichloroethene	BQL	5.74	ug/kg	U	1
cis-1,3-Dichloropropene	BQL	5.74	ug/kg	U	1
m,p-Xylenes	BQL	5.74	ug/kg	U	1
o-Xylene	BQL	5.74	ug/kg	U	1
trans-1,2-dichloroethene	BQL	5.74	ug/kg	U	1
trans-1,3-dichloropropene	BQL	5.74	ug/kg	U	1

Summary of Analytical Results

Client ID AB0454
GPL ID: 9169-011-02-2/3
Matrix: Soil
Date Collected: Sep-27-2000
Date Received: Sep-28-2000

Prep Method: SW5035
Prep Date: Oct-09-2000
Prep Time: 08:03
Prep Chemist: Abid Mahmood

Analytical Method: SW8260B_TCL
Date Analyzed: Oct-09-2000
Time Analyzed 18:42
Analyst: Abid Mahmood

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	5.73	ug/kg	U	1
1,1,2,2-Tetrachloroethane	BQL	5.73	ug/kg	U	1
1,1,2-Trichloroethane	BQL	5.73	ug/kg	U	1
1,1-Dichloroethane	BQL	5.73	ug/kg	U	1
1,1-Dichloroethene	BQL	5.73	ug/kg	U	1
1,2-Dichloroethane	BQL	5.73	ug/kg	U	1
1,2-Dichloropropane	BQL	5.73	ug/kg	U	1
2-Butanone	BQL	11.5	ug/kg	U	1
2-Hexanone	BQL	11.5	ug/kg	U	1
4-Methyl-2-Pentanone	BQL	11.5	ug/kg	U	1
Acetone	118	11.5	ug/kg		1
Benzene	BQL	5.73	ug/kg	U	1
Bromodichloromethane	BQL	5.73	ug/kg	U	1
Bromoform	BQL	5.73	ug/kg	U	1
Bromomethane	BQL	11.5	ug/kg	U	1
Carbon Disulfide	BQL	5.73	ug/kg	U	1
Carbon Tetrachloride	BQL	5.73	ug/kg	U	1
Chlorobenzene	BQL	5.73	ug/kg	U	1
Chloroethane	BQL	11.5	ug/kg	U	1
Chloroform	BQL	5.73	ug/kg	U	1
Chloromethane	BQL	11.5	ug/kg	U	1
Dibromochloromethane	BQL	5.73	ug/kg	U	1
Ethylbenzene	BQL	5.73	ug/kg	U	1
Methylene Chloride	8.31	5.73	ug/kg	B	1
Styrene	BQL	5.73	ug/kg	U	1
Tetrachloroethene	BQL	5.73	ug/kg	U	1
Toluene	BQL	5.73	ug/kg	U	1
Trichloroethene	BQL	5.73	ug/kg	U	1
Vinyl Chloride	BQL	11.5	ug/kg	U	1
cis-1,2-Dichloroethene	BQL	5.73	ug/kg	U	1
cis-1,3-Dichloropropene	BQL	5.73	ug/kg	U	1
m,p-Xylenes	BQL	5.73	ug/kg	U	1
o-Xylene	BQL	5.73	ug/kg	U	1
trans-1,2-dichloroethene	BQL	5.73	ug/kg	U	1
trans-1,3-dichloropropene	BQL	5.73	ug/kg	U	1

Summary of Analytical Results

Client ID AB0455
GPL ID: 9169-012-02-2/3
Matrix: Soil
Date Collected: Sep-27-2000
Date Received: Sep-28-2000

Prep Method: SW5035
Prep Date: Oct-10-2000
Prep Time: 08:48
Prep Chemist: Abid Mahmood

Analytical Method: SW8260B_TCL
Date Analyzed: Oct-10-2000
Time Analyzed 11:23
Analyst: Abid Mahmood

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	5.42	ug/kg	U	1
1,1,2,2-Tetrachloroethane	BQL	5.42	ug/kg	U	1
1,1,2-Trichloroethane	BQL	5.42	ug/kg	U	1
1,1-Dichloroethane	BQL	5.42	ug/kg	U	1
1,1-Dichloroethene	BQL	5.42	ug/kg	U	1
1,2-Dichloroethane	BQL	5.42	ug/kg	U	1
1,2-Dichloropropane	BQL	5.42	ug/kg	U	1
2-Butanone	BQL	10.8	ug/kg	U	1
2-Hexanone	BQL	10.8	ug/kg	U	1
4-Methyl-2-Pentanone	BQL	10.8	ug/kg	U	1
Acetone	37.5	10.8	ug/kg		1
Benzene	BQL	5.42	ug/kg	U	1
Bromodichloromethane	BQL	5.42	ug/kg	U	1
Bromoform	BQL	5.42	ug/kg	U	1
Bromomethane	BQL	10.8	ug/kg	U	1
Carbon Disulfide	3.43	5.42	ug/kg	J	1
Carbon Tetrachloride	BQL	5.42	ug/kg	U	1
Chlorobenzene	BQL	5.42	ug/kg	U	1
Chloroethane	BQL	10.8	ug/kg	U	1
Chloroform	BQL	5.42	ug/kg	U	1
Chloromethane	BQL	10.8	ug/kg	U	1
Dibromochloromethane	BQL	5.42	ug/kg	U	1
Ethylbenzene	BQL	5.42	ug/kg	U	1
Methylene Chloride	8.64	5.42	ug/kg		1
Styrene	BQL	5.42	ug/kg	U	1
Tetrachloroethene	BQL	5.42	ug/kg	U	1
Toluene	BQL	5.42	ug/kg	U	1
Trichloroethene	BQL	5.42	ug/kg	U	1
Vinyl Chloride	BQL	10.8	ug/kg	U	1
cis-1,2-Dichloroethene	BQL	5.42	ug/kg	U	1
cis-1,3-Dichloropropene	BQL	5.42	ug/kg	U	1
m,p-Xylenes	BQL	5.42	ug/kg	U	1
o-Xylene	BQL	5.42	ug/kg	U	1
trans-1,2-dichloroethene	BQL	5.42	ug/kg	U	1
trans-1,3-dichloropropene	BQL	5.42	ug/kg	U	1

Summary of Analytical Results

Client ID AB0463
GPL ID: 9169-015-02-2/3
Matrix: Soil
Date Collected: Sep-27-2000
Date Received: Sep-28-2000

Prep Method: SW5035
Prep Date: Oct-10-2000
Prep Time: 08:48
Prep Chemist: Abid Mahmood

Analytical Method: SW8260B_TCL
Date Analyzed: Oct-10-2000
Time Analyzed 12:03
Analyst: Abid Mahmood

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	5.17	ug/kg	U	1
1,1,2,2-Tetrachloroethane	BQL	5.17	ug/kg	U	1
1,1,2-Trichloroethane	BQL	5.17	ug/kg	U	1
1,1-Dichloroethane	BQL	5.17	ug/kg	U	1
1,1-Dichloroethene	BQL	5.17	ug/kg	U	1
1,2-Dichloroethane	BQL	5.17	ug/kg	U	1
1,2-Dichloropropane	BQL	5.17	ug/kg	U	1
2-Butanone	BQL	10.3	ug/kg	U	1
2-Hexanone	BQL	10.3	ug/kg	U	1
4-Methyl-2-Pentanone	BQL	10.3	ug/kg	U	1
Acetone	8.10	10.3	ug/kg	J	1
Benzene	BQL	5.17	ug/kg	U	1
Bromodichloromethane	BQL	5.17	ug/kg	U	1
Bromoform	BQL	5.17	ug/kg	U	1
Bromomethane	BQL	10.3	ug/kg	U	1
Carbon Disulfide	BQL	5.17	ug/kg	U	1
Carbon Tetrachloride	BQL	5.17	ug/kg	U	1
Chlorobenzene	BQL	5.17	ug/kg	U	1
Chloroethane	BQL	10.3	ug/kg	U	1
Chloroform	BQL	5.17	ug/kg	U	1
Chloromethane	BQL	10.3	ug/kg	U	1
Dibromochloromethane	BQL	5.17	ug/kg	U	1
Ethylbenzene	BQL	5.17	ug/kg	U	1
Methylene Chloride	4.43	5.17	ug/kg	J	1
Styrene	BQL	5.17	ug/kg	U	1
Tetrachloroethene	BQL	5.17	ug/kg	U	1
Toluene	BQL	5.17	ug/kg	U	1
Trichloroethene	BQL	5.17	ug/kg	U	1
Vinyl Chloride	BQL	10.3	ug/kg	U	1
cis-1,2-Dichloroethene	BQL	5.17	ug/kg	U	1
cis-1,3-Dichloropropene	BQL	5.17	ug/kg	U	1
m,p-Xylenes	BQL	5.17	ug/kg	U	1
o-Xylene	BQL	5.17	ug/kg	U	1
trans-1,2-dichloroethene	BQL	5.17	ug/kg	U	1
trans-1,3-dichloropropene	BQL	5.17	ug/kg	U	1

Summary of Analytical Results

Client ID AB0464
GPL ID: 9169-016-02-2/3
Matrix: Soil
Date Collected: Sep-27-2000
Date Received: Sep-28-2000

Prep Method: SW5035
Prep Date: Oct-10-2000
Prep Time: 08:48
Prep Chemist: Abid Mahmood

Analytical Method: SW8260B_TCL
Date Analyzed: Oct-10-2000
Time Analyzed 12:43
Analyst: Abid Mahmood

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	5.31	ug/kg	U	1
1,1,2,2-Tetrachloroethane	BQL	5.31	ug/kg	U	1
1,1,2-Trichloroethane	BQL	5.31	ug/kg	U	1
1,1-Dichloroethane	BQL	5.31	ug/kg	U	1
1,1-Dichloroethene	BQL	5.31	ug/kg	U	1
1,2-Dichloroethane	BQL	5.31	ug/kg	U	1
1,2-Dichloropropane	BQL	5.31	ug/kg	U	1
2-Butanone	BQL	10.6	ug/kg	U	1
2-Hexanone	BQL	10.6	ug/kg	U	1
4-Methyl-2-Pentanone	BQL	10.6	ug/kg	U	1
Acetone	34.0	10.6	ug/kg		1
Benzene	BQL	5.31	ug/kg	U	1
Bromodichloromethane	BQL	5.31	ug/kg	U	1
Bromoform	BQL	5.31	ug/kg	U	1
Bromomethane	BQL	10.6	ug/kg	U	1
Carbon Disulfide	2.15	5.31	ug/kg	J	1
Carbon Tetrachloride	BQL	5.31	ug/kg	U	1
Chlorobenzene	BQL	5.31	ug/kg	U	1
Chloroethane	BQL	10.6	ug/kg	U	1
Chloroform	BQL	5.31	ug/kg	U	1
Chloromethane	BQL	10.6	ug/kg	U	1
Dibromochloromethane	BQL	5.31	ug/kg	U	1
Ethylbenzene	BQL	5.31	ug/kg	U	1
Methylene Chloride	2.72	5.31	ug/kg	J	1
Styrene	BQL	5.31	ug/kg	U	1
Tetrachloroethene	BQL	5.31	ug/kg	U	1
Toluene	BQL	5.31	ug/kg	U	1
Trichloroethene	BQL	5.31	ug/kg	U	1
Vinyl Chloride	BQL	10.6	ug/kg	U	1
cis-1,2-Dichloroethene	BQL	5.31	ug/kg	U	1
cis-1,3-Dichloropropene	BQL	5.31	ug/kg	U	1
m,p-Xylenes	BQL	5.31	ug/kg	U	1
o-Xylene	BQL	5.31	ug/kg	U	1
trans-1,2-dichloroethene	BQL	5.31	ug/kg	U	1
trans-1,3-dichloropropene	BQL	5.31	ug/kg	U	1

Summary of Analytical Results

Client ID AB0465
GPL ID: 9169-017-02-2/3
Matrix: Soil
Date Collected: Sep-27-2000
Date Received: Sep-28-2000

Prep Method: SW5035
Prep Date: Oct-10-2000
Prep Time: 08:48
Prep Chemist: Abid Mahmood

Analytical Method: SW8260B_TCL
Date Analyzed: Oct-10-2000
Time Analyzed 13:22
Analyst: Abid Mahmood

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	5.13	ug/kg	U	1
1,1,2,2-Tetrachloroethane	BQL	5.13	ug/kg	U	1
1,1,2-Trichloroethane	BQL	5.13	ug/kg	U	1
1,1-Dichloroethane	BQL	5.13	ug/kg	U	1
1,1-Dichloroethene	BQL	5.13	ug/kg	U	1
1,2-Dichloroethane	BQL	5.13	ug/kg	U	1
1,2-Dichloropropane	BQL	5.13	ug/kg	U	1
2-Butanone	5.45	10.3	ug/kg	J	1
2-Hexanone	BQL	10.3	ug/kg	U	1
4-Methyl-2-Pentanone	BQL	10.3	ug/kg	U	1
Acetone	15.0	10.3	ug/kg		1
Benzene	BQL	5.13	ug/kg	U	1
Bromodichloromethane	BQL	5.13	ug/kg	U	1
Bromoform	BQL	5.13	ug/kg	U	1
Bromomethane	BQL	10.3	ug/kg	U	1
Carbon Disulfide	1.75	5.13	ug/kg	J	1
Carbon Tetrachloride	BQL	5.13	ug/kg	U	1
Chlorobenzene	BQL	5.13	ug/kg	U	1
Chloroethane	BQL	10.3	ug/kg	U	1
Chloroform	BQL	5.13	ug/kg	U	1
Chloromethane	BQL	10.3	ug/kg	U	1
Dibromochloromethane	BQL	5.13	ug/kg	U	1
Ethylbenzene	BQL	5.13	ug/kg	U	1
Methylene Chloride	10.4	5.13	ug/kg		1
Styrene	BQL	5.13	ug/kg	U	1
Tetrachloroethene	BQL	5.13	ug/kg	U	1
Toluene	BQL	5.13	ug/kg	U	1
Trichloroethene	BQL	5.13	ug/kg	U	1
Vinyl Chloride	BQL	10.3	ug/kg	U	1
cis-1,2-Dichloroethene	BQL	5.13	ug/kg	U	1
cis-1,3-Dichloropropene	BQL	5.13	ug/kg	U	1
m,p-Xylenes	BQL	5.13	ug/kg	U	1
o-Xylene	BQL	5.13	ug/kg	U	1
trans-1,2-dichloroethene	BQL	5.13	ug/kg	U	1
trans-1,3-dichloropropene	BQL	5.13	ug/kg	U	1

Summary of Analytical Results

Client ID AB0469
GPL ID: 9169-018-01-1/3
Matrix: Soil
Date Collected: Sep-27-2000
Date Received: Sep-28-2000

Prep Method: SW5035
Prep Date: Oct-09-2000
Prep Time: 08:03
Prep Chemist: Abid Mahmood

Analytical Method: SW8260B_TCL
Date Analyzed: Oct-09-2000
Time Analyzed 14:11
Analyst: Abid Mahmood

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	5.94	ug/kg	U	1
1,1,2,2-Tetrachloroethane	BQL	5.94	ug/kg	U	1
1,1,2-Trichloroethane	BQL	5.94	ug/kg	U	1
1,1-Dichloroethane	BQL	5.94	ug/kg	U	1
1,1-Dichloroethene	BQL	5.94	ug/kg	U	1
1,2-Dichloroethane	BQL	5.94	ug/kg	U	1
1,2-Dichloropropane	BQL	5.94	ug/kg	U	1
2-Butanone	BQL	11.9	ug/kg	U	1
2-Hexanone	BQL	11.9	ug/kg	U	1
4-Methyl-2-Pentanone	BQL	11.9	ug/kg	U	1
Acetone	51.9	11.9	ug/kg		1
Benzene	BQL	5.94	ug/kg	U	1
Bromodichloromethane	BQL	5.94	ug/kg	U	1
Bromoform	BQL	5.94	ug/kg	U	1
Bromomethane	BQL	11.9	ug/kg	U	1
Carbon Disulfide	BQL	5.94	ug/kg	U	1
Carbon Tetrachloride	BQL	5.94	ug/kg	U	1
Chlorobenzene	BQL	5.94	ug/kg	U	1
Chloroethane	BQL	11.9	ug/kg	U	1
Chloroform	BQL	5.94	ug/kg	U	1
Chloromethane	BQL	11.9	ug/kg	U	1
Dibromochloromethane	BQL	5.94	ug/kg	U	1
Ethylbenzene	BQL	5.94	ug/kg	U	1
Methylene Chloride	16.2	5.94	ug/kg	B	1
Styrene	BQL	5.94	ug/kg	U	1
Tetrachloroethene	BQL	5.94	ug/kg	U	1
Toluene	BQL	5.94	ug/kg	U	1
Trichloroethene	BQL	5.94	ug/kg	U	1
Vinyl Chloride	BQL	11.9	ug/kg	U	1
cis-1,2-Dichloroethene	BQL	5.94	ug/kg	U	1
cis-1,3-Dichloropropene	BQL	5.94	ug/kg	U	1
m,p-Xylenes	BQL	5.94	ug/kg	U	1
o-Xylene	BQL	5.94	ug/kg	U	1
trans-1,2-dichloroethene	BQL	5.94	ug/kg	U	1
trans-1,3-dichloropropene	BQL	5.94	ug/kg	U	1

Summary of Analytical Results

Client ID AB0470
GPL ID: 9169-019-01-1/3
Matrix: Soil
Date Collected: Sep-27-2000
Date Received: Sep-28-2000

Prep Method: SW5035
Prep Date: Oct-09-2000
Prep Time: 08:03
Prep Chemist: Abid Mahmood

Analytical Method: SW8260B_TCL
Date Analyzed: Oct-09-2000
Time Analyzed 14:50
Analyst: Abid Mahmood

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	5.71	ug/kg	U	1
1,1,2,2-Tetrachloroethane	BQL	5.71	ug/kg	U	1
1,1,2-Trichloroethane	BQL	5.71	ug/kg	U	1
1,1-Dichloroethane	BQL	5.71	ug/kg	U	1
1,1-Dichloroethene	BQL	5.71	ug/kg	U	1
1,2-Dichloroethane	BQL	5.71	ug/kg	U	1
1,2-Dichloropropane	BQL	5.71	ug/kg	U	1
2-Butanone	BQL	11.4	ug/kg	U	1
2-Hexanone	BQL	11.4	ug/kg	U	1
4-Methyl-2-Pentanone	BQL	11.4	ug/kg	U	1
Acetone	22.8	11.4	ug/kg		1
Benzene	BQL	5.71	ug/kg	U	1
Bromodichloromethane	BQL	5.71	ug/kg	U	1
Bromoform	BQL	5.71	ug/kg	U	1
Bromomethane	BQL	11.4	ug/kg	U	1
Carbon Disulfide	BQL	5.71	ug/kg	U	1
Carbon Tetrachloride	BQL	5.71	ug/kg	U	1
Chlorobenzene	BQL	5.71	ug/kg	U	1
Chloroethane	BQL	11.4	ug/kg	U	1
Chloroform	BQL	5.71	ug/kg	U	1
Chloromethane	BQL	11.4	ug/kg	U	1
Dibromochloromethane	BQL	5.71	ug/kg	U	1
Ethylbenzene	BQL	5.71	ug/kg	U	1
Methylene Chloride	7.06	5.71	ug/kg	B	1
Styrene	BQL	5.71	ug/kg	U	1
Tetrachloroethene	BQL	5.71	ug/kg	U	1
Toluene	BQL	5.71	ug/kg	U	1
Trichloroethene	BQL	5.71	ug/kg	U	1
Vinyl Chloride	BQL	11.4	ug/kg	U	1
cis-1,2-Dichloroethene	BQL	5.71	ug/kg	U	1
cis-1,3-Dichloropropene	BQL	5.71	ug/kg	U	1
m,p-Xylenes	BQL	5.71	ug/kg	U	1
o-Xylene	BQL	5.71	ug/kg	U	1
trans-1,2-dichloroethene	BQL	5.71	ug/kg	U	1
trans-1,3-dichloropropene	BQL	5.71	ug/kg	U	1

Summary of Analytical Results

Client ID 0927200-TB
GPL ID: 9169-001-02-2/2
Matrix: Water
Date Collected: Sep-27-2000
Date Received: Sep-28-2000

Prep Method: SW5030B
Prep Date: Oct-03-2000
Prep Time: 08:07
Prep Chemist: Jannina S. Bryan

Analytical Method: SW8260LL_TCL
Date Analyzed: Oct-03-2000
Time Analyzed 16:11
Analyst: Jannina S. Bryan

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	1	ug/L	U	1
1,1,2,2-Tetrachloroethane	BQL	1	ug/L	U	1
1,1,2-Trichloroethane	BQL	1	ug/L	U	1
1,1-Dichloroethane	BQL	1	ug/L	U	1
1,1-Dichloroethene	BQL	1	ug/L	U	1
1,2-Dichloroethane	BQL	1	ug/L	U	1
1,2-Dichloropropane	BQL	1	ug/L	U	1
2-Butanone	BQL	5	ug/L	U	1
2-Hexanone	BQL	5	ug/L	U	1
4-Methyl-2-Pentanone	BQL	5	ug/L	U	1
Acetone	BQL	5	ug/L	U	1
Benzene	BQL	1	ug/L	U	1
Bromodichloromethane	BQL	1	ug/L	U	1
Bromoform	BQL	1	ug/L	U	1
Bromomethane	BQL	1	ug/L	U	1
Carbon Disulfide	BQL	1	ug/L	U	1
Carbon Tetrachloride	BQL	1	ug/L	U	1
Chlorobenzene	BQL	1	ug/L	U	1
Chloroethane	BQL	1	ug/L	U	1
Chloroform	BQL	1	ug/L	U	1
Chloromethane	BQL	1	ug/L	U	1
Dibromochloromethane	BQL	1	ug/L	U	1
Ethylbenzene	BQL	1	ug/L	U	1
Methylene Chloride	1.29	1	ug/L		1
Styrene	BQL	1	ug/L	U	1
Tetrachloroethene	BQL	1	ug/L	U	1
Toluene	BQL	1	ug/L	U	1
Trichloroethene	BQL	1	ug/L	U	1
Vinyl Chloride	BQL	1	ug/L	U	1
cis-1,2-Dichloroethene	BQL	1	ug/L	U	1
cis-1,3-Dichloropropene	BQL	1	ug/L	U	1
m,p-Xylenes	BQL	1	ug/L	U	1
o-Xylene	BQL	1	ug/L	U	1
trans-1,2-dichloroethene	BQL	1	ug/L	U	1
trans-1,3-dichloropropene	BQL	1	ug/L	U	1

Summary of Analytical Results

Client ID AA3006
GPL ID: 9169-002-01-1/3
Matrix: Water
Date Collected: Sep-27-2000
Date Received: Sep-28-2000

Prep Method: SW5030B
Prep Date: Oct-03-2000
Prep Time: 08:07
Prep Chemist: Jannina S. Bryan

Analytical Method: SW8260LL_TCL
Date Analyzed: Oct-03-2000
Time Analyzed 11:40
Analyst: Jannina S. Bryan

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	1	ug/L	U	1
1,1,2,2-Tetrachloroethane	BQL	1	ug/L	U	1
1,1,2-Trichloroethane	BQL	1	ug/L	U	1
1,1-Dichloroethane	BQL	1	ug/L	U	1
1,1-Dichloroethene	BQL	1	ug/L	U	1
1,2-Dichloroethane	BQL	1	ug/L	U	1
1,2-Dichloropropane	BQL	1	ug/L	U	1
2-Butanone	BQL	5	ug/L	U	1
2-Hexanone	BQL	5	ug/L	U	1
4-Methyl-2-Pentanone	BQL	5	ug/L	U	1
Acetone	6.59	5	ug/L		1
Benzene	BQL	1	ug/L	U	1
Bromodichloromethane	BQL	1	ug/L	U	1
Bromoform	BQL	1	ug/L	U	1
Bromomethane	BQL	1	ug/L	U	1
Carbon Disulfide	BQL	1	ug/L	U	1
Carbon Tetrachloride	BQL	1	ug/L	U	1
Chlorobenzene	BQL	1	ug/L	U	1
Chloroethane	BQL	1	ug/L	U	1
Chloroform	BQL	1	ug/L	U	1
Chloromethane	BQL	1	ug/L	U	1
Dibromochloromethane	BQL	1	ug/L	U	1
Ethylbenzene	BQL	1	ug/L	U	1
Methylene Chloride	0.820	1	ug/L	J	1
Styrene	BQL	1	ug/L	U	1
Tetrachloroethene	BQL	1	ug/L	U	1
Toluene	BQL	1	ug/L	U	1
Trichloroethene	BQL	1	ug/L	U	1
Vinyl Chloride	BQL	1	ug/L	U	1
cis-1,2-Dichloroethene	BQL	1	ug/L	U	1
cis-1,3-Dichloropropene	BQL	1	ug/L	U	1
m,p-Xylenes	BQL	1	ug/L	U	1
o-Xylene	BQL	1	ug/L	U	1
trans-1,2-dichloroethene	BQL	1	ug/L	U	1
trans-1,3-dichloropropene	BQL	1	ug/L	U	1

Summary of Analytical Results

Client ID AB3010
GPL ID: 9169-020-01-1/3
Matrix: Water
Date Collected: Sep-27-2000
Date Received: Sep-28-2000

Prep Method: SW5030B
Prep Date: Oct-03-2000
Prep Time: 08:07
Prep Chemist: Jannina S. Bryan

Analytical Method: SW8260LL_TCL
Date Analyzed: Oct-03-2000
Time Analyzed 13:22
Analyst: Jannina S. Bryan

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	1	ug/L	U	1
1,1,2,2-Tetrachloroethane	BQL	1	ug/L	U	1
1,1,2-Trichloroethane	BQL	1	ug/L	U	1
1,1-Dichloroethane	BQL	1	ug/L	U	1
1,1-Dichloroethene	BQL	1	ug/L	U	1
1,2-Dichloroethane	BQL	1	ug/L	U	1
1,2-Dichloropropane	BQL	1	ug/L	U	1
2-Butanone	BQL	5	ug/L	U	1
2-Hexanone	BQL	5	ug/L	U	1
4-Methyl-2-Pentanone	BQL	5	ug/L	U	1
Acetone	BQL	5	ug/L	U	1
Benzene	BQL	1	ug/L	U	1
Bromodichloromethane	BQL	1	ug/L	U	1
Bromoform	BQL	1	ug/L	U	1
Bromomethane	BQL	1	ug/L	U	1
Carbon Disulfide	BQL	1	ug/L	U	1
Carbon Tetrachloride	BQL	1	ug/L	U	1
Chlorobenzene	BQL	1	ug/L	U	1
Chloroethane	BQL	1	ug/L	U	1
Chloroform	BQL	1	ug/L	U	1
Chloromethane	BQL	1	ug/L	U	1
Dibromochloromethane	BQL	1	ug/L	U	1
Ethylbenzene	BQL	1	ug/L	U	1
Methylene Chloride	0.710	1	ug/L	J	1
Styrene	BQL	1	ug/L	U	1
Tetrachloroethene	BQL	1	ug/L	U	1
Toluene	BQL	1	ug/L	U	1
Trichloroethene	BQL	1	ug/L	U	1
Vinyl Chloride	BQL	1	ug/L	U	1
cis-1,2-Dichloroethene	BQL	1	ug/L	U	1
cis-1,3-Dichloropropene	BQL	1	ug/L	U	1
m,p-Xylenes	BQL	1	ug/L	U	1
o-Xylene	BQL	1	ug/L	U	1
trans-1,2-dichloroethene	BQL	1	ug/L	U	1
trans-1,3-dichloropropene	BQL	1	ug/L	U	1

Summary of Analytical Results

Client ID AB3011
GPL ID: 9169-023-01-1/3
Matrix: Water
Date Collected: Sep-27-2000
Date Received: Sep-28-2000

Prep Method: SW5030B
Prep Date: Oct-03-2000
Prep Time: 08:07
Prep Chemist: Jannina S. Bryan

Analytical Method: SW8260LL_TCL
Date Analyzed: Oct-03-2000
Time Analyzed 15:03
Analyst: Jannina S. Bryan

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	1	ug/L	U	1
1,1,2,2-Tetrachloroethane	BQL	1	ug/L	U	1
1,1,2-Trichloroethane	BQL	1	ug/L	U	1
1,1-Dichloroethane	BQL	1	ug/L	U	1
1,1-Dichloroethene	BQL	1	ug/L	U	1
1,2-Dichloroethane	BQL	1	ug/L	U	1
1,2-Dichloropropane	BQL	1	ug/L	U	1
2-Butanone	BQL	5	ug/L	U	1
2-Hexanone	BQL	5	ug/L	U	1
4-Methyl-2-Pentanone	BQL	5	ug/L	U	1
Acetone	BQL	5	ug/L	U	1
Benzene	BQL	1	ug/L	U	1
Bromodichloromethane	BQL	1	ug/L	U	1
Bromoform	BQL	1	ug/L	U	1
Bromomethane	BQL	1	ug/L	U	1
Carbon Disulfide	BQL	1	ug/L	U	1
Carbon Tetrachloride	BQL	1	ug/L	U	1
Chlorobenzene	BQL	1	ug/L	U	1
Chloroethane	BQL	1	ug/L	U	1
Chloroform	BQL	1	ug/L	U	1
Chloromethane	BQL	1	ug/L	U	1
Dibromochloromethane	BQL	1	ug/L	U	1
Ethylbenzene	BQL	1	ug/L	U	1
Methylene Chloride	1.67	1	ug/L		1
Styrene	BQL	1	ug/L	U	1
Tetrachloroethene	BQL	1	ug/L	U	1
Toluene	BQL	1	ug/L	U	1
Trichloroethene	BQL	1	ug/L	U	1
Vinyl Chloride	BQL	1	ug/L	U	1
cis-1,2-Dichloroethene	BQL	1	ug/L	U	1
cis-1,3-Dichloropropene	BQL	1	ug/L	U	1
m,p-Xylenes	BQL	1	ug/L	U	1
o-Xylene	BQL	1	ug/L	U	1
trans-1,2-dichloroethene	BQL	1	ug/L	U	1
trans-1,3-dichloropropene	BQL	1	ug/L	U	1

2B
SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: GPL LABORATORIES, LLLP Contract: PLUMBROOK_ORDN

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Level: (low/med) LOW

	CLIENT SAMPLE NO.	SMC1 #	SMC2 #	SMC3 #	SMC4 #	TOT OUT
01	BLK7235	87	108	103	97	0
02	BKS7235	87	120	113	113	0
03	AB0427	91	112	105	94	0
04	AB0455 MS	93	134 *	101	117	1
05	AB0455 MSD	97	122	124 *	145 *	2
06	BLK7289	90	81	82	75	0
07	BKS7289	87	80	79	74	0
08	AB0469	106	81	93	92	0
09	AB0470	105	81	90	90	0
10	AB0429	118	92	113	123	0
11	AB0442	112	83	117	117	0
12	AB0449	113	90	120	123	0
13	AB0451	112	87	109	105	0
14	AB0452	114	88	121	122	0
15	AB0454	115	90	117	132	0
16	BLK7300	93	80	89	87	0
17	BKS7300	90	81	87	86	0
18	AB0455	103	78	86	83	0
19	AB0463	104	87	92	84	0
20	AB0464	103	80	89	88	0
21	AB0465	105	84	92	88	0

			QC LIMITS
SMC1	=	1,2-Dichloroethane-d4	(72-129)
SMC2	=	Toluene-d8	(68-122)
SMC3	=	4-Bromofluorobenzene	(71-122)
SMC4	=	1,2-Dichlorobenzene-d4	(68-138)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

2B

SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: GPL LABORATORIES, LLLP Contract: PLUMBROOK_ORDN

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Level: (low/med) MED

	CLIENT SAMPLE NO.	SMC1 #	SMC2 #	SMC3 #	SMC4 #	TOT OUT
01	BLK7461	74	88	93	93	0
02	BKS7461	77	93	98	94	0
03	AB0429 DL	75	90	97	102	0

			QC LIMITS
SMC1	=	1,2-Dichloroethane-d4	(72-129)
SMC2	=	Toluene-d8	(68-122)
SMC3	=	4-Bromofluorobenzene	(71-122)
SMC4	=	1,2-Dichlorobenzene-d4	(68-138)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

1004

2A

WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: GPL LABORATORIES, LLLP Contract: PLUMBROOK_ORDN

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

	CLIENT SAMPLE NO.	SMC1 #	SMC2 #	SMC3 #	SMC4 #	TOT OUT
01	BLK7156	105	97	89	86	0
02	BKS7156	111	105	105	97	0
03	0927200-TB	42 *	70 *	68 *	66 *	4
04	AA3006	87	91	87	85	0
05	AA3006 MS	85	80	84	73 *	1
06	AA3006 MSD	95	88	92	82	0
07	AB3010	92	87	82	80	0
08	AB3010 MS	101	98	102	93	0
09	AB3010 MSD	98	92	96	85	0
10	AB3011	109	103	99	98	0
11	0927200-TB RE	86	78	75 *	77	1

			QC LIMITS
SMC1	=	1,2-Dichloroethane-d4	(77-133)
SMC2	=	Toluene-d8	(74-128)
SMC3	=	4-Bromofluorobenzene	(81-125)
SMC4	=	1,2-Dichlorobenzene-d4	(76-134)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

1005

3B

SOIL VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: GPL LABORATORIES, LLLP Contract: PLUMBROOK_O

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Matrix Spike - EPA Sample No.: AB0455 Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC LIMITS REC.
1,1-Dichloroethene	59	0.0	54	92	39 - 147
Benzene	59	0.0	49	83	36 - 150
Trichloroethene	59	0.0	42	71	33 - 150
Toluene	59	0.0	55	93	34 - 151
Chlorobenzene	59	0.0	33	56	33 - 143

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	53	50	94	2	25	39 - 147
Benzene	53	47	89	7	25	36 - 150
Trichloroethene	53	41	77	8	25	33 - 150
Toluene	53	47	89	4	25	34 - 151
Chlorobenzene	53	33	62	10	25	33 - 143

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 5 outside limits

Spike Recovery: 0 out of 10 outside limits

COMMENTS:

1006

3A

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: GPL LABORATORIES, LLLP Contract: PLUMBROOK_O

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Matrix Spike - EPA Sample No.: AA3006

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
1,1-Dichloroethene	10	0.0	10	100	51 - 134
Benzene	10	0.0	8.9	89	61 - 120
Trichloroethene	10	0.0	9.2	92	44 - 139
Toluene	10	0.0	9.0	90	53 - 118
Chlorobenzene	10	0.0	8.4	84	68 - 125

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	10	12	120	18	25	51 - 134
Benzene	10	9.5	95	7	25	61 - 120
Trichloroethene	10	10	100	8	25	44 - 139
Toluene	10	9.5	95	5	25	53 - 118
Chlorobenzene	10	9.1	91	8	25	68 - 125

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 5 outside limits

Spike Recovery: 0 out of 10 outside limits

COMMENTS:

1007

3A

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: GPL LABORATORIES, LLLP Contract: PLUMBROOK_O

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Matrix Spike - EPA Sample No.: AB3010

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
1,1-Dichloroethene	10	0.0	13	130	51 - 134
Benzene	10	0.0	11	110	61 - 120
Trichloroethene	10	0.0	11	110	44 - 139
Toluene	10	0.0	10	100	53 - 118
Chlorobenzene	10	0.0	10	100	68 - 125

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	10	14	140 *	7	25	51 - 134
Benzene	10	11	110	0	25	61 - 120
Trichloroethene	10	12	120	9	25	44 - 139
Toluene	10	10	100	0	25	53 - 118
Chlorobenzene	10	10	100	0	25	68 - 125

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 5 outside limits

Spike Recovery: 1 out of 10 outside limits

COMMENTS:

100%

LAB CONTROL STANDARD RECOVERY

Lab Name:	GPL LABORATORIES, LLLP			Contract:	PLUMBROOK_ORDN
Case No.:	N/A			SDG No.:	N/A
Lab Code:	GPLL			Lab Sample ID:	BKS1005
Lab File ID:	S004830.D	Matrix:	SOIL	Date Analyzed:	10/5/00

COMPOUND	LCS ADDED (ugKg)	CONCENTRATION FOUND (ug/Kg)	PERCENT RECOVERY #	INTERNAL LABORATORY LIMITS
Vinyl Chloride	50	58	116	29-148
1,1-Dichloroethene	50	51	102	40-150
Chloroform	50	50	100	61-146
1,1,1-Trichloroethane	50	44	88	59-155
Carbon Tetrachloride	50	45	90	61-152
Benzene	50	62	124	59-153
1,2-Dichloroethane	50	46	92	63-151
Trichloroethene	50	54	108	55-145
Bromodichloromethane	50	49	98	65-151
Dibromochloromethane	50	43	86	52-155
Bromoform	50	45	90	36-150

* Value outside internal laboratory limits

Comments:

LAB CONTROL STANDARD RECOVERY

Lab Name:	GPL LABORATORIES, LLLP			Contract:	PLUMBROOK_ORDN
Case No.:	N/A			SDG No.:	N/A
Lab Code:	GPLL			Lab Sample ID:	BKS1009
Lab File ID:	S004874.D	Matrix:	SOIL	Date Analyzed:	10/9/00

COMPOUND	LCS ADDED (ugKg)	CONCENTRATION FOUND (ug/Kg)	PERCENT RECOVERY #	INTERNAL LABORATORY LIMITS
Vinyl Chloride	50	45	90	29-148
1,1-Dichloroethene	50	47	94	40-150
Chloroform	50	49	98	61-146
1,1,1-Trichloroethane	50	51	102	59-155
Carbon Tetrachloride	50	50	100	61-152
Benzene	50	49	98	59-153
1,2-Dichloroethane	50	48	96	63-151
Trichloroethene	50	47	94	55-145
Bromodichloromethane	50	46	92	65-151
Dibromochloromethane	50	49	98	52-155
Bromoform	50	45	90	36-150

* Value outside internal laboratory limits

Comments: _____

LAB CONTROL STANDARD RECOVERY

Lab Name:	GPL LABORATORIES, LLLP			Contract:	PLUMBROOK_ORDN
Case No.:	N/A			SDG No.:	N/A
Lab Code:	GPLL			Lab Sample ID:	BKS1010
Lab File ID:	S004888.D	Matrix:	SOIL	Date Analyzed:	10/10/00

COMPOUND	LCS ADDED (ugKg)	CONCENTRATION FOUND (ug/Kg)	PERCENT RECOVERY #	INTERNAL LABORATORY LIMITS
Vinyl Chloride	50	50	100	29-148
1,1-Dichloroethene	50	48	96	40-150
Chloroform	50	48	96	61-146
1,1,1-Trichloroethane	50	48	96	59-155
Carbon Tetrachloride	50	48	96	61-152
Benzene	50	47	94	59-153
1,2-Dichloroethane	50	50	100	63-151
Trichloroethene	50	47	94	55-145
Bromodichloromethane	50	46	92	65-151
Dibromochloromethane	50	48	96	52-155
Bromoform	50	47	94	36-150

* Value outside internal laboratory limits

Comments: _____

LAB CONTROL STANDARD RECOVERY

Lab Name:	GPL LABORATORIES, LLLP			Contract:	PLUMBROOK_ORDN
Case No.:	N/A			SDG No.:	N/A
Lab Code:	GPLL			Lab Sample ID:	BKS1018
Lab File ID:	F24285.D	Matrix:	SOIL	Date Analyzed:	10/18/00

COMPOUND	LCS ADDED (ugKg)	CONCENTRATION FOUND (ug/Kg)	PERCENT RECOVERY #	INTERNAL LABORATORY LIMITS
Vinyl Chloride	6250	5884	94	29-148
1,1-Dichloroethene	6250	5655	90	40-150
Chloroform	6250	5881	94	61-146
1,1,1-Trichloroethane	6250	5609	90	59-155
Carbon Tetrachloride	6250	5615	90	61-152
Benzene	6250	6388	102	59-153
1,2-Dichloroethane	6250	5813	93	63-151
Trichloroethene	6250	6354	102	55-145
Bromodichloromethane	6250	6155	98	65-151
Dibromochloromethane	6250	5855	94	52-155
Bromoform	6250	5994	96	36-150

* Value outside internal laboratory limits

Comments: _____

LAB CONTROL STANDARD RECOVERY

Lab Name:	GPL LABORATORIES, LLLP			Contract:	PLUMBROOK_ORDN
Case No.:	N/A			SDG No.:	N/A
Lab Code:	GPLL			Lab Sample ID:	BKS1003
Lab File ID:	E22000.D	Matrix:	WATER	Date Analyzed:	10/3/00

COMPOUND	LCS ADDED (ug/L)	CONCENTRATION FOUND (ug/L)	PERCENT RECOVERY #	INTERNAL LABORATORY LIMITS
Vinyl Chloride	10	10.4	104	42-126
1,1-Dichloroethene	10	11.8	118	51-134
Chloroform	10	10.4	104	64-139
1,1,1-Trichloroethane	10	8.2	82	64-150
Carbon Tetrachloride	10	9.3	93	49-169
Benzene	10	9.9	99	61-120
1,2-Dichloroethane	10	11.0	110	64-141
Trichloroethene	10	10.0	100	44-139
Bromodichloromethane	10	10.6	106	60-142
Dibromochloromethane	10	9.7	97	54-164
Bromoform	10	8.0	80	46-156

* Value outside internal laboratory limits

Comments: _____

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

BLK7235

Lab Name: GPL LABORATORIES, LLLP Contract: PLUMBRO

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Lab File ID: S004829.D Lab Sample ID: BLK1005

Date Analyzed: 10/05/00 Time Analyzed: 10:48

GC Column: DB-VRX ID: 0.25 (mm) Heated Purge: (Y/N) Y

Instrument ID: HP#S

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	BKS7235	BKS1005	S004830.D	11:33
02	AB0427	9169-005-01-1	S004831.D	12:13
03	AB0455 MS	9169-013-01-1 S	S004839.D	17:28
04	AB0455 MSD	9169-014-01-1 SD	S004840.D	18:06

COMMENTS

1014

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

BLK7289

Lab Name: GPL LABORATORIES, LLLP Contract: PLUMBRO

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Lab File ID: S004873.D Lab Sample ID: BLK1009

Date Analyzed: 10/09/00 Time Analyzed: 12:54

GC Column: DB-VRX ID: 0.25 (mm) Heated Purge: (Y/N) Y

Instrument ID: HP#S

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	BKS7289	BKS1009	S004874.D	13:32
02	AB0469	9169-018-01-1	S004875.D	14:11
03	AB0470	9169-019-01-1	S004876.D	14:50
04	AB0429	9169-006-02-1	S004877.D	15:29
05	AB0442	9169-007-02-1	S004878.D	16:07
06	AB0449	9169-008-02-1	S004879.D	16:46
07	AB0451	9169-009-02-1	S004880.D	17:24
08	AB0452	9169-010-02-1	S004881.D	18:03
09	AB0454	9169-011-02-1	S004882.D	18:42

1015

COMMENTS

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

BLK7300

Lab Name: GPL LABORATORIES, LLLP Contract: PLUMBRO

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Lab File ID: S004887.D Lab Sample ID: BLK1010

Date Analyzed: 10/10/00 Time Analyzed: 09:54

GC Column: DB-VRX ID: 0.25 (mm) Heated Purge: (Y/N) Y

Instrument ID: HP#S

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	BKS7300	BKS1010	S004888.D	10:41
02	AB0455	9169-012-02-1	S004889.D	11:23
03	AB0463	9169-015-02-1	S004890.D	12:03
04	AB0464	9169-016-02-1	S004891.D	12:43
05	AB0465	9169-017-02-1	S004892.D	13:22

1016

COMMENTS

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

BLK7461

Lab Name: GPL LABORATORIES, LLLP Contract: PLUMBRO

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Lab File ID: F24284.D Lab Sample ID: BLK1018

Date Analyzed: 10/18/00 Time Analyzed: 12:28

GC Column: RTX VO ID: 0.53 (mm) Heated Purge: (Y/N) Y

Instrument ID: HP#F

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	BKS7461	BKS1018	F24285.D	13:02
02	AB0429 DL	9169-006-03-1 DL 125	F24290.D	15:50

1017

COMMENTS

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

BLK7156

Lab Name: GPL LABORATORIES, LLLP Contract: PLUMBRO

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Lab File ID: E21999.D Lab Sample ID: BLK1003

Date Analyzed: 10/03/00 Time Analyzed: 09:24

GC Column: RTXVO ID: 0.53 (mm) Heated Purge: (Y/N) N

Instrument ID: 5970-E

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	BKS7156	BKS1003	E22000.D	09:58
02	0927200-TB	9169-001-01-1/3	E22002.D	11:06
03	AA3006	9169-002-01-1/3	E22003.D	11:40
04	AA3006 MS	9169-003-01-1/3 MS	E22004.D	12:14
05	AA3006 MSD	9169-004-01-1/3 MSD	E22005.D	12:47
06	AB3010	9169-020-01-1/3	E22006.D	13:22
07	AB3010 MS	9169-021-01-1/3 MS	E22007.D	13:55
08	AB3010 MSD	9169-022-01-1/3 MSD	E22008.D	14:29
09	AB3011	9169-023-01-1/3	E22009.D	15:03
10	0927200-TB RE	9169-001-01-1/3	E22011.D	16:11

1018

COMMENTS

Summary of Analytical Results

Client ID AA3006
GPL ID: 9169-002-06-1
Matrix: Water
Date Collected: Sep-27-2000
Date Received: Sep-28-2000

Prep Method: SW3520C
Prep Date: Oct-03-2000
Prep Time: 13:16
Prep Chemist: Veena Telhan

Analytical Method: SW8270CTCL
Date Analyzed: Oct-14-2000
Time Analyzed 19:01
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	10.9	ug/L	U	1
1,2-Dichlorobenzene	BQL	10.9	ug/L	U	1
1,3-Dichlorobenzene	BQL	10.9	ug/L	U	1
1,4-Dichlorobenzene	BQL	10.9	ug/L	U	1
2,2-Oxybis(1-Chloro)Propane	BQL	10.9	ug/L	U	1
2,4,5-Trichlorophenol	BQL	10.9	ug/L	U	1
2,4,6-Trichlorophenol	BQL	10.9	ug/L	U	1
2,4-Dichlorophenol	BQL	10.9	ug/L	U	1
2,4-Dimethylphenol	BQL	10.9	ug/L	U	1
2,4-Dinitrophenol	BQL	21.7	ug/L	U	1
2,4-Dinitrotoluene	3.92	10.9	ug/L	J	1
2,6-Dinitrotoluene	BQL	10.9	ug/L	U	1
2-Chloronaphthalene	BQL	10.9	ug/L	U	1
2-Chlorophenol	BQL	10.9	ug/L	U	1
2-Methylnaphthalene	BQL	10.9	ug/L	U	1
2-Nitroaniline	BQL	10.9	ug/L	U	1
2-Nitrophenol	BQL	10.9	ug/L	U	1
2-methylphenol	BQL	10.9	ug/L	U	1
3,3-Dichlorobenzidine	BQL	21.7	ug/L	U	1
3-Nitroaniline	BQL	10.9	ug/L	U	1
4,6-dinitro-2-methyl phenol	BQL	21.7	ug/L	U	1
4-Bromophenyl-phenylether	BQL	10.9	ug/L	U	1
4-Chloroaniline	BQL	10.9	ug/L	U	1
4-Chlorophenyl Phenyl Ether	BQL	10.9	ug/L	U	1
4-Nitroaniline	BQL	10.9	ug/L	U	1
4-Nitrophenol	BQL	21.7	ug/L	U	1
4-chloro-3-methylphenol	BQL	10.9	ug/L	U	1
4-methylphenol	BQL	10.9	ug/L	U	1
Acenaphthene	BQL	10.9	ug/L	U	1
Acenaphthylene	BQL	10.9	ug/L	U	1
Anthracene	BQL	10.9	ug/L	U	1
Benzo(a)anthracene	BQL	10.9	ug/L	U	1
Benzo(a)pyrene	BQL	10.9	ug/L	U	1
Benzo(b)fluoranthene	BQL	10.9	ug/L	U	1
Benzo(g,h,i)perylene	BQL	10.9	ug/L	U	1
Benzo(k)fluoranthene	BQL	10.9	ug/L	U	1
Benzyl Butyl Phthalate	BQL	10.9	ug/L	U	1
Carbazole	BQL	10.9	ug/L	U	1
Chrysene	BQL	10.9	ug/L	U	1

Summary of Analytical Results

Client ID AA3006
GPL ID: 9169-002-06-1
Matrix: Water
Date Collected: Sep-27-2000
Date Received: Sep-28-2000

Prep Method: SW3520C
Prep Date: Oct-03-2000
Prep Time: 13:16
Prep Chemist: Veena Telhan

Analytical Method: SW8270CTCL
Date Analyzed: Oct-14-2000
Time Analyzed 19:01
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	10.9	ug/L	U	1
Dibenzofuran	BQL	10.9	ug/L	U	1
Diethyl Phthalate	BQL	10.9	ug/L	U	1
Dimethyl Phthalate	BQL	10.9	ug/L	U	1
Fluoranthene	BQL	10.9	ug/L	U	1
Fluorene	BQL	10.9	ug/L	U	1
Hexachlorobenzene	BQL	10.9	ug/L	U	1
Hexachlorobutadiene	BQL	10.9	ug/L	U	1
Hexachlorocyclopentadiene	BQL	10.9	ug/L	U	1
Hexachloroethane	BQL	10.9	ug/L	U	1
Indeno(1,2,3-c,d)Pyrene	BQL	10.9	ug/L	U	1
Isophorone	BQL	10.9	ug/L	U	1
Naphthalene	BQL	10.9	ug/L	U	1
Nitrobenzene	BQL	10.9	ug/L	U	1
Pentachlorophenol	BQL	21.7	ug/L	U	1
Phenanthrene	BQL	10.9	ug/L	U	1
Phenol	BQL	10.9	ug/L	U	1
Pyrene	BQL	10.9	ug/L	U	1
bis(2-chloroethoxy) methane	BQL	10.9	ug/L	U	1
bis(2-chloroethyl) ether	BQL	10.9	ug/L	U	1
bis(2-ethylhexyl) phthalate	BQL	10.9	ug/L	U	1
di-n-Butyl Phthalate	BQL	10.9	ug/L	U	1
di-n-Octyl Phthalate	BQL	10.9	ug/L	U	1
n-Nitrosodi-n-Propylamine	BQL	10.9	ug/L	U	1
n-Nitrosodiphenylamine	BQL	10.9	ug/L	U	1

Summary of Analytical Results

Client ID AB3010
GPL ID: 9169-020-07-1/2
Matrix: Water
Date Collected: Sep-27-2000
Date Received: Sep-28-2000

Prep Method: SW3520C
Prep Date: Oct-03-2000
Prep Time: 13:16
Prep Chemist: Veena Telhan

Analytical Method: SW8270CTCL
Date Analyzed: Oct-14-2000
Time Analyzed 20:44
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	10.5	ug/L	U	1
1,2-Dichlorobenzene	BQL	10.5	ug/L	U	1
1,3-Dichlorobenzene	BQL	10.5	ug/L	U	1
1,4-Dichlorobenzene	BQL	10.5	ug/L	U	1
2,2-Oxybis(1-Chloro)Propane	BQL	10.5	ug/L	U	1
2,4,5-Trichlorophenol	BQL	10.5	ug/L	U	1
2,4,6-Trichlorophenol	BQL	10.5	ug/L	U	1
2,4-Dichlorophenol	BQL	10.5	ug/L	U	1
2,4-Dimethylphenol	BQL	10.5	ug/L	U	1
2,4-Dinitrophenol	BQL	21.1	ug/L	U	1
2,4-Dinitrotoluene	4.05	10.5	ug/L	J	1
2,6-Dinitrotoluene	2.40	10.5	ug/L	J	1
2-Chloronaphthalene	BQL	10.5	ug/L	U	1
2-Chlorophenol	BQL	10.5	ug/L	U	1
2-Methylnaphthalene	BQL	10.5	ug/L	U	1
2-Nitroaniline	BQL	10.5	ug/L	U	1
2-Nitrophenol	BQL	10.5	ug/L	U	1
2-methylphenol	BQL	10.5	ug/L	U	1
3,3-Dichlorobenzidine	BQL	21.1	ug/L	U	1
3-Nitroaniline	BQL	10.5	ug/L	U	1
4,6-dinitro-2-methyl phenol	BQL	21.1	ug/L	U	1
4-Bromophenyl-phenylether	BQL	10.5	ug/L	U	1
4-Chloroaniline	BQL	10.5	ug/L	U	1
4-Chlorophenyl Phenyl Ether	BQL	10.5	ug/L	U	1
4-Nitroaniline	BQL	10.5	ug/L	U	1
4-Nitrophenol	BQL	21.1	ug/L	U	1
4-chloro-3-methylphenol	BQL	10.5	ug/L	U	1
4-methylphenol	BQL	10.5	ug/L	U	1
Acenaphthene	BQL	10.5	ug/L	U	1
Acenaphthylene	BQL	10.5	ug/L	U	1
Anthracene	BQL	10.5	ug/L	U	1
Benzo(a)anthracene	BQL	10.5	ug/L	U	1
Benzo(a)pyrene	BQL	10.5	ug/L	U	1
Benzo(b)fluoranthene	BQL	10.5	ug/L	U	1
Benzo(g,h,i)perylene	BQL	10.5	ug/L	U	1
Benzo(k)fluoranthene	BQL	10.5	ug/L	U	1
Benzyl Butyl Phthalate	BQL	10.5	ug/L	U	1
Carbazole	BQL	10.5	ug/L	U	1
Chrysene	BQL	10.5	ug/L	U	1

Summary of Analytical Results

Client ID AB3010
GPL ID: 9169-020-07-1/2
Matrix: Water
Date Collected: Sep-27-2000
Date Received: Sep-28-2000

Prep Method: SW3520C
Prep Date: Oct-03-2000
Prep Time: 13:16
Prep Chemist: Veena Telhan

Analytical Method: SW8270CTCL
Date Analyzed: Oct-14-2000
Time Analyzed 20:44
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	10.5	ug/L	U	1
Dibenzofuran	BQL	10.5	ug/L	U	1
Diethyl Phthalate	BQL	10.5	ug/L	U	1
Dimethyl Phthalate	BQL	10.5	ug/L	U	1
Fluoranthene	BQL	10.5	ug/L	U	1
Fluorene	BQL	10.5	ug/L	U	1
Hexachlorobenzene	BQL	10.5	ug/L	U	1
Hexachlorobutadiene	BQL	10.5	ug/L	U	1
Hexachlorocyclopentadiene	BQL	10.5	ug/L	U	1
Hexachloroethane	BQL	10.5	ug/L	U	1
Indeno(1,2,3-c,d)Pyrene	BQL	10.5	ug/L	U	1
Isophorone	BQL	10.5	ug/L	U	1
Naphthalene	BQL	10.5	ug/L	U	1
Nitrobenzene	BQL	10.5	ug/L	U	1
Pentachlorophenol	BQL	21.1	ug/L	U	1
Phenanthrene	BQL	10.5	ug/L	U	1
Phenol	BQL	10.5	ug/L	U	1
Pyrene	BQL	10.5	ug/L	U	1
bis(2-chloroethoxy) methane	BQL	10.5	ug/L	U	1
bis(2-chloroethyl) ether	BQL	10.5	ug/L	U	1
bis(2-ethylhexyl) phthalate	BQL	10.5	ug/L	U	1
di-n-Butyl Phthalate	BQL	10.5	ug/L	U	1
di-n-Octyl Phthalate	BQL	10.5	ug/L	U	1
n-Nitrosodi-n-Propylamine	BQL	10.5	ug/L	U	1
n-Nitrosodiphenylamine	BQL	10.5	ug/L	U	1

Summary of Analytical Results

Client ID AB3011
GPL ID: 9169-023-07-1/2
Matrix: Water
Date Collected: Sep-27-2000
Date Received: Sep-28-2000

Prep Method: SW3520C
Prep Date: Oct-03-2000
Prep Time: 13:16
Prep Chemist: Veena Telhan

Analytical Method: SW8270CTCL
Date Analyzed: Oct-14-2000
Time Analyzed 22:27
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	11.1	ug/L	U	1
1,2-Dichlorobenzene	BQL	11.1	ug/L	U	1
1,3-Dichlorobenzene	BQL	11.1	ug/L	U	1
1,4-Dichlorobenzene	BQL	11.1	ug/L	U	1
2,2-Oxybis(1-Chloro)Propane	BQL	11.1	ug/L	U	1
2,4,5-Trichlorophenol	BQL	11.1	ug/L	U	1
2,4,6-Trichlorophenol	BQL	11.1	ug/L	U	1
2,4-Dichlorophenol	BQL	11.1	ug/L	U	1
2,4-Dimethylphenol	BQL	11.1	ug/L	U	1
2,4-Dinitrophenol	BQL	22.2	ug/L	U	1
2,4-Dinitrotoluene	3.72	11.1	ug/L	J	1
2,6-Dinitrotoluene	2.10	11.1	ug/L	J	1
2-Chloronaphthalene	BQL	11.1	ug/L	U	1
2-Chlorophenol	BQL	11.1	ug/L	U	1
2-Methylnaphthalene	BQL	11.1	ug/L	U	1
2-Nitroaniline	BQL	11.1	ug/L	U	1
2-Nitrophenol	BQL	11.1	ug/L	U	1
2-methylphenol	BQL	11.1	ug/L	U	1
3,3-Dichlorobenzidine	BQL	22.2	ug/L	U	1
3-Nitroaniline	BQL	11.1	ug/L	U	1
4,6-dinitro-2-methyl phenol	BQL	22.2	ug/L	U	1
4-Bromophenyl-phenylether	BQL	11.1	ug/L	U	1
4-Chloroaniline	BQL	11.1	ug/L	U	1
4-Chlorophenyl Phenyl Ether	BQL	11.1	ug/L	U	1
4-Nitroaniline	BQL	11.1	ug/L	U	1
4-Nitrophenol	BQL	22.2	ug/L	U	1
4-chloro-3-methylphenol	BQL	11.1	ug/L	U	1
4-methylphenol	BQL	11.1	ug/L	U	1
Acenaphthene	BQL	11.1	ug/L	U	1
Acenaphthylene	BQL	11.1	ug/L	U	1
Anthracene	BQL	11.1	ug/L	U	1
Benzo(a)anthracene	BQL	11.1	ug/L	U	1
Benzo(a)pyrene	BQL	11.1	ug/L	U	1
Benzo(b)fluoranthene	BQL	11.1	ug/L	U	1
Benzo(g,h,i)perylene	BQL	11.1	ug/L	U	1
Benzo(k)fluoranthene	BQL	11.1	ug/L	U	1
Benzyl Butyl Phthalate	BQL	11.1	ug/L	U	1
Carbazole	BQL	11.1	ug/L	U	1
Chrysene	BQL	11.1	ug/L	U	1

Summary of Analytical Results

Client ID AB3011
GPL ID: 9169-023-07-1/2
Matrix: Water
Date Collected: Sep-27-2000
Date Received: Sep-28-2000

Prep Method: SW3520C
Prep Date: Oct-03-2000
Prep Time: 13:16
Prep Chemist: Veena Telhan

Analytical Method: SW8270CTCL
Date Analyzed: Oct-14-2000
Time Analyzed 22:27
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	11.1	ug/L	U	1
Dibenzofuran	BQL	11.1	ug/L	U	1
Diethyl Phthalate	BQL	11.1	ug/L	U	1
Dimethyl Phthalate	BQL	11.1	ug/L	U	1
Fluoranthene	BQL	11.1	ug/L	U	1
Fluorene	BQL	11.1	ug/L	U	1
Hexachlorobenzene	BQL	11.1	ug/L	U	1
Hexachlorobutadiene	BQL	11.1	ug/L	U	1
Hexachlorocyclopentadiene	BQL	11.1	ug/L	U	1
Hexachloroethane	BQL	11.1	ug/L	U	1
Indeno(1,2,3-c,d)Pyrene	BQL	11.1	ug/L	U	1
Isophorone	BQL	11.1	ug/L	U	1
Naphthalene	BQL	11.1	ug/L	U	1
Nitrobenzene	BQL	11.1	ug/L	U	1
Pentachlorophenol	BQL	22.2	ug/L	U	1
Phenanthrene	BQL	11.1	ug/L	U	1
Phenol	BQL	11.1	ug/L	U	1
Pyrene	BQL	11.1	ug/L	U	1
bis(2-chloroethoxy) methane	BQL	11.1	ug/L	U	1
bis(2-chloroethyl) ether	BQL	11.1	ug/L	U	1
bis(2-ethylhexyl) phthalate	BQL	11.1	ug/L	U	1
di-n-Butyl Phthalate	4.92	11.1	ug/L	J	1
di-n-Octyl Phthalate	BQL	11.1	ug/L	U	1
n-Nitrosodi-n-Propylamine	BQL	11.1	ug/L	U	1
n-Nitrosodiphenylamine	BQL	11.1	ug/L	U	1

Summary of Analytical Results

Client ID AB0427
GPL ID: 9169-005-04-1
Matrix: Soil
Date Collected: Sep-27-2000
Date Received: Sep-28-2000

Prep Method: SW3550
Prep Date: Oct-03-2000
Prep Time: 17:06
Prep Chemist: Abel Moses

Analytical Method: SW8270CTCL
Date Analyzed: Oct-18-2000
Time Analyzed 18:33
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	414	ug/kg	U	1
1,2-Dichlorobenzene	BQL	414	ug/kg	U	1
1,3-Dichlorobenzene	BQL	414	ug/kg	U	1
1,4-Dichlorobenzene	BQL	414	ug/kg	U	1
2,2-Oxybis(1-Chloro)Propane	BQL	414	ug/kg	U	1
2,4,5-Trichlorophenol	BQL	414	ug/kg	U	1
2,4,6-Trichlorophenol	BQL	414	ug/kg	U	1
2,4-Dichlorophenol	BQL	414	ug/kg	U	1
2,4-Dimethylphenol	BQL	414	ug/kg	U	1
2,4-Dinitrophenol	BQL	828	ug/kg	U	1
2,4-Dinitrotoluene	221	414	ug/kg	J	1
2,6-Dinitrotoluene	56.3	414	ug/kg	J	1
2-Chloronaphthalene	BQL	414	ug/kg	U	1
2-Chlorophenol	BQL	414	ug/kg	U	1
2-Methylnaphthalene	BQL	414	ug/kg	U	1
2-Nitroaniline	BQL	414	ug/kg	U	1
2-Nitrophenol	BQL	414	ug/kg	U	1
2-methylphenol	BQL	414	ug/kg	U	1
3,3-Dichlorobenzidine	BQL	828	ug/kg	U	1
3-Nitroaniline	BQL	414	ug/kg	U	1
4,6-dinitro-2-methyl phenol	BQL	828	ug/kg	U	1
4-Bromophenyl-phenylether	BQL	414	ug/kg	U	1
4-Chloroaniline	BQL	414	ug/kg	U	1
4-Chlorophenyl Phenyl Ether	BQL	414	ug/kg	U	1
4-Nitroaniline	BQL	414	ug/kg	U	1
4-Nitrophenol	BQL	828	ug/kg	U	1
4-chloro-3-methylphenol	BQL	414	ug/kg	U	1
4-methylphenol	BQL	414	ug/kg	U	1
Acenaphthene	BQL	414	ug/kg	U	1
Acenaphthylene	BQL	414	ug/kg	U	1
Anthracene	BQL	414	ug/kg	U	1
Benzo(a)anthracene	BQL	414	ug/kg	U	1
Benzo(a)pyrene	BQL	414	ug/kg	U	1
Benzo(b)fluoranthene	BQL	414	ug/kg	U	1
Benzo(g,h,i)perylene	BQL	414	ug/kg	U	1
Benzo(k)fluoranthene	BQL	414	ug/kg	U	1
Benzyl Butyl Phthalate	BQL	414	ug/kg	U	1
Carbazole	BQL	414	ug/kg	U	1
Chrysene	BQL	414	ug/kg	U	1

Summary of Analytical Results

Client ID AB0427
GPL ID: 9169-005-04-1
Matrix: Soil
Date Collected: Sep-27-2000
Date Received: Sep-28-2000

Prep Method: SW3550
Prep Date: Oct-03-2000
Prep Time: 17:06
Prep Chemist: Abel Moses

Analytical Method: SW8270CTCL
Date Analyzed: Oct-18-2000
Time Analyzed 18:33
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	414	ug/kg	U	1
Dibenzofuran	BQL	414	ug/kg	U	1
Diethyl Phthalate	BQL	414	ug/kg	U	1
Dimethyl Phthalate	BQL	414	ug/kg	U	1
Fluoranthene	BQL	414	ug/kg	U	1
Fluorene	BQL	414	ug/kg	U	1
Hexachlorobenzene	BQL	414	ug/kg	U	1
Hexachlorobutadiene	BQL	414	ug/kg	U	1
Hexachlorocyclopentadiene	BQL	414	ug/kg	U	1
Hexachloroethane	BQL	414	ug/kg	U	1
Indeno(1,2,3-c,d)Pyrene	BQL	414	ug/kg	U	1
Isophorone	BQL	414	ug/kg	U	1
Naphthalene	BQL	414	ug/kg	U	1
Nitrobenzene	BQL	414	ug/kg	U	1
Pentachlorophenol	BQL	828	ug/kg	U	1
Phenanthrene	BQL	414	ug/kg	U	1
Phenol	BQL	414	ug/kg	U	1
Pyrene	BQL	414	ug/kg	U	1
bis(2-chloroethoxy) methane	BQL	414	ug/kg	U	1
bis(2-chloroethyl) ether	BQL	414	ug/kg	U	1
bis(2-ethylhexyl) phthalate	BQL	414	ug/kg	U	1
di-n-Butyl Phthalate	BQL	414	ug/kg	U	1
di-n-Octyl Phthalate	BQL	414	ug/kg	U	1
n-Nitrosodi-n-Propylamine	BQL	414	ug/kg	U	1
n-Nitrosodiphenylamine	BQL	414	ug/kg	U	1

Summary of Analytical Results

Client ID AB0429
GPL ID: 9169-006-04-1
Matrix: Soil
Date Collected: Sep-27-2000
Date Received: Sep-28-2000

Prep Method: SW3550
Prep Date: Oct-03-2000
Prep Time: 17:06
Prep Chemist: Abel Moses

Analytical Method: SW8270CTCL
Date Analyzed: Oct-18-2000
Time Analyzed 17:59
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	423	ug/kg	U	1
1,2-Dichlorobenzene	BQL	423	ug/kg	U	1
1,3-Dichlorobenzene	BQL	423	ug/kg	U	1
1,4-Dichlorobenzene	BQL	423	ug/kg	U	1
2,2-Oxybis(1-Chloro)Propane	BQL	423	ug/kg	U	1
2,4,5-Trichlorophenol	BQL	423	ug/kg	U	1
2,4,6-Trichlorophenol	BQL	423	ug/kg	U	1
2,4-Dichlorophenol	BQL	423	ug/kg	U	1
2,4-Dimethylphenol	BQL	423	ug/kg	U	1
2,4-Dinitrophenol	BQL	845	ug/kg	U	1
2,4-Dinitrotoluene	239	423	ug/kg	J	1
2,6-Dinitrotoluene	66.8	423	ug/kg	J	1
2-Chloronaphthalene	BQL	423	ug/kg	U	1
2-Chlorophenol	BQL	423	ug/kg	U	1
2-Methylnaphthalene	BQL	423	ug/kg	U	1
2-Nitroaniline	BQL	423	ug/kg	U	1
2-Nitrophenol	BQL	423	ug/kg	U	1
2-methylphenol	BQL	423	ug/kg	U	1
3,3-Dichlorobenzidine	BQL	845	ug/kg	U	1
3-Nitroaniline	BQL	423	ug/kg	U	1
4,6-dinitro-2-methyl phenol	BQL	845	ug/kg	U	1
4-Bromophenyl-phenylether	BQL	423	ug/kg	U	1
4-Chloroaniline	BQL	423	ug/kg	U	1
4-Chlorophenyl Phenyl Ether	BQL	423	ug/kg	U	1
4-Nitroaniline	BQL	423	ug/kg	U	1
4-Nitrophenol	BQL	845	ug/kg	U	1
4-chloro-3-methylphenol	BQL	423	ug/kg	U	1
4-methylphenol	BQL	423	ug/kg	U	1
Acenaphthene	BQL	423	ug/kg	U	1
Acenaphthylene	BQL	423	ug/kg	U	1
Anthracene	BQL	423	ug/kg	U	1
Benzo(a)anthracene	BQL	423	ug/kg	U	1
Benzo(a)pyrene	BQL	423	ug/kg	U	1
Benzo(b)fluoranthene	BQL	423	ug/kg	U	1
Benzo(g,h,i)perylene	BQL	423	ug/kg	U	1
Benzo(k)fluoranthene	BQL	423	ug/kg	U	1
Benzyl Butyl Phthalate	BQL	423	ug/kg	U	1
Carbazole	BQL	423	ug/kg	U	1
Chrysene	BQL	423	ug/kg	U	1

Summary of Analytical Results

Client ID AB0429
GPL ID: 9169-006-04-1
Matrix: Soil
Date Collected: Sep-27-2000
Date Received: Sep-28-2000

Prep Method: SW3550
Prep Date: Oct-03-2000
Prep Time: 17:06
Prep Chemist: Abel Moses

Analytical Method: SW8270CTCL
Date Analyzed: Oct-18-2000
Time Analyzed 17:59
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	423	ug/kg	U	1
Dibenzofuran	BQL	423	ug/kg	U	1
Diethyl Phthalate	BQL	423	ug/kg	U	1
Dimethyl Phthalate	BQL	423	ug/kg	U	1
Fluoranthene	BQL	423	ug/kg	U	1
Fluorene	BQL	423	ug/kg	U	1
Hexachlorobenzene	BQL	423	ug/kg	U	1
Hexachlorobutadiene	BQL	423	ug/kg	U	1
Hexachlorocyclopentadiene	BQL	423	ug/kg	U	1
Hexachloroethane	BQL	423	ug/kg	U	1
Indeno(1,2,3-c,d)Pyrene	BQL	423	ug/kg	U	1
Isophorone	BQL	423	ug/kg	U	1
Naphthalene	BQL	423	ug/kg	U	1
Nitrobenzene	BQL	423	ug/kg	U	1
Pentachlorophenol	BQL	845	ug/kg	U	1
Phenanthrene	BQL	423	ug/kg	U	1
Phenol	BQL	423	ug/kg	U	1
Pyrene	BQL	423	ug/kg	U	1
bis(2-chloroethoxy) methane	BQL	423	ug/kg	U	1
bis(2-chloroethyl) ether	BQL	423	ug/kg	U	1
bis(2-ethylhexyl) phthalate	BQL	423	ug/kg	U	1
di-n-Butyl Phthalate	BQL	423	ug/kg	U	1
di-n-Octyl Phthalate	BQL	423	ug/kg	U	1
n-Nitrosodi-n-Propylamine	BQL	423	ug/kg	U	1
n-Nitrosodiphenylamine	BQL	423	ug/kg	U	1

Summary of Analytical Results

Client ID AB0442DL
GPL ID: 9169-007-04-1
Matrix: Soil
Date Collected: Sep-27-2000
Date Received: Sep-28-2000

Prep Method: SW3550
Prep Date: Oct-03-2000
Prep Time: 17:06
Prep Chemist: Abel Moses

Analytical Method: SW8270CTCL
Date Analyzed: Oct-19-2000
Time Analyzed 13:04
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	3600	ug/kg	U	10
1,2-Dichlorobenzene	BQL	3600	ug/kg	U	10
1,3-Dichlorobenzene	BQL	3600	ug/kg	U	10
1,4-Dichlorobenzene	BQL	3600	ug/kg	U	10
2,2-Oxybis(1-Chloro)Propane	BQL	3600	ug/kg	U	10
2,4,5-Trichlorophenol	BQL	3600	ug/kg	U	10
2,4,6-Trichlorophenol	BQL	3600	ug/kg	U	10
2,4-Dichlorophenol	BQL	3600	ug/kg	U	10
2,4-Dimethylphenol	BQL	3600	ug/kg	U	10
2,4-Dinitrophenol	BQL	7210	ug/kg	U	10
2,4-Dinitrotoluene	10600	3600	ug/kg		10
2,6-Dinitrotoluene	2880	3600	ug/kg	J	10
2-Chloronaphthalene	BQL	3600	ug/kg	U	10
2-Chlorophenol	BQL	3600	ug/kg	U	10
2-Methylnaphthalene	BQL	3600	ug/kg	U	10
2-Nitroaniline	BQL	3600	ug/kg	U	10
2-Nitrophenol	BQL	3600	ug/kg	U	10
2-methylphenol	BQL	3600	ug/kg	U	10
3,3-Dichlorobenzidine	BQL	7210	ug/kg	U	10
3-Nitroaniline	BQL	3600	ug/kg	U	10
4,6-dinitro-2-methyl phenol	BQL	7210	ug/kg	U	10
4-Bromophenyl-phenylether	BQL	3600	ug/kg	U	10
4-Chloroaniline	BQL	3600	ug/kg	U	10
4-Chlorophenyl Phenyl Ether	BQL	3600	ug/kg	U	10
4-Nitroaniline	BQL	3600	ug/kg	U	10
4-Nitrophenol	BQL	7210	ug/kg	U	10
4-chloro-3-methylphenol	BQL	3600	ug/kg	U	10
4-methylphenol	BQL	3600	ug/kg	U	10
Acenaphthene	BQL	3600	ug/kg	U	10
Acenaphthylene	BQL	3600	ug/kg	U	10
Anthracene	BQL	3600	ug/kg	U	10
Benzo(a)anthracene	BQL	3600	ug/kg	U	10
Benzo(a)pyrene	BQL	3600	ug/kg	U	10
Benzo(b)fluoranthene	BQL	3600	ug/kg	U	10
Benzo(g,h,i)perylene	BQL	3600	ug/kg	U	10
Benzo(k)fluoranthene	BQL	3600	ug/kg	U	10
Benzyl Butyl Phthalate	BQL	3600	ug/kg	U	10
Carbazole	BQL	3600	ug/kg	U	10
Chrysene	BQL	3600	ug/kg	U	10

Summary of Analytical Results

Client ID AB0442DL
GPL ID: 9169-007-04-1
Matrix: Soil
Date Collected: Sep-27-2000
Date Received: Sep-28-2000

Prep Method: SW3550
Prep Date: Oct-03-2000
Prep Time: 17:06
Prep Chemist: Abel Moses

Analytical Method: SW8270CTCL
Date Analyzed: Oct-19-2000
Time Analyzed 13:04
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	3600	ug/kg	U	10
Dibenzofuran	BQL	3600	ug/kg	U	10
Diethyl Phthalate	BQL	3600	ug/kg	U	10
Dimethyl Phthalate	BQL	3600	ug/kg	U	10
Fluoranthene	BQL	3600	ug/kg	U	10
Fluorene	BQL	3600	ug/kg	U	10
Hexachlorobenzene	BQL	3600	ug/kg	U	10
Hexachlorobutadiene	BQL	3600	ug/kg	U	10
Hexachlorocyclopentadiene	BQL	3600	ug/kg	U	10
Hexachloroethane	BQL	3600	ug/kg	U	10
Indeno(1,2,3-c,d)Pyrene	BQL	3600	ug/kg	U	10
Isophorone	BQL	3600	ug/kg	U	10
Naphthalene	BQL	3600	ug/kg	U	10
Nitrobenzene	BQL	3600	ug/kg	U	10
Pentachlorophenol	BQL	7210	ug/kg	U	10
Phenanthrene	BQL	3600	ug/kg	U	10
Phenol	BQL	3600	ug/kg	U	10
Pyrene	BQL	3600	ug/kg	U	10
bis(2-chloroethoxy) methane	BQL	3600	ug/kg	U	10
bis(2-chloroethyl) ether	BQL	3600	ug/kg	U	10
bis(2-ethylhexyl) phthalate	BQL	3600	ug/kg	U	10
di-n-Butyl Phthalate	BQL	3600	ug/kg	U	10
di-n-Octyl Phthalate	BQL	3600	ug/kg	U	10
n-Nitrosodi-n-Propylamine	BQL	3600	ug/kg	U	10
n-Nitrosodiphenylamine	BQL	3600	ug/kg	U	10

Summary of Analytical Results

Client ID AB0449DL
GPL ID: 9169-008-04-1
Matrix: Soil
Date Collected: Sep-27-2000
Date Received: Sep-28-2000

Prep Method: SW3550
Prep Date: Oct-03-2000
Prep Time: 17:06
Prep Chemist: Abel Moses

Analytical Method: SW8270CTCL
Date Analyzed: Oct-19-2000
Time Analyzed 11:56
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	4090	ug/kg	U	10
1,2-Dichlorobenzene	BQL	4090	ug/kg	U	10
1,3-Dichlorobenzene	BQL	4090	ug/kg	U	10
1,4-Dichlorobenzene	BQL	4090	ug/kg	U	10
2,2-Oxybis(1-Chloro)Propane	BQL	4090	ug/kg	U	10
2,4,5-Trichlorophenol	BQL	4090	ug/kg	U	10
2,4,6-Trichlorophenol	BQL	4090	ug/kg	U	10
2,4-Dichlorophenol	BQL	4090	ug/kg	U	10
2,4-Dimethylphenol	BQL	4090	ug/kg	U	10
2,4-Dinitrophenol	BQL	8190	ug/kg	U	10
2,4-Dinitrotoluene	BQL	4090	ug/kg	U	10
2,6-Dinitrotoluene	BQL	4090	ug/kg	U	10
2-Chloronaphthalene	BQL	4090	ug/kg	U	10
2-Chlorophenol	BQL	4090	ug/kg	U	10
2-Methylnaphthalene	BQL	4090	ug/kg	U	10
2-Nitroaniline	BQL	4090	ug/kg	U	10
2-Nitrophenol	BQL	4090	ug/kg	U	10
2-methylphenol	BQL	4090	ug/kg	U	10
3,3-Dichlorobenzidine	BQL	8190	ug/kg	U	10
3-Nitroaniline	BQL	4090	ug/kg	U	10
4,6-dinitro-2-methyl phenol	BQL	8190	ug/kg	U	10
4-Bromophenyl-phenylether	BQL	4090	ug/kg	U	10
4-Chloroaniline	BQL	4090	ug/kg	U	10
4-Chlorophenyl Phenyl Ether	BQL	4090	ug/kg	U	10
4-Nitroaniline	BQL	4090	ug/kg	U	10
4-Nitrophenol	BQL	8190	ug/kg	U	10
4-chloro-3-methylphenol	BQL	4090	ug/kg	U	10
4-methylphenol	BQL	4090	ug/kg	U	10
Acenaphthene	BQL	4090	ug/kg	U	10
Acenaphthylene	BQL	4090	ug/kg	U	10
Anthracene	BQL	4090	ug/kg	U	10
Benzo(a)anthracene	BQL	4090	ug/kg	U	10
Benzo(a)pyrene	BQL	4090	ug/kg	U	10
Benzo(b)fluoranthene	BQL	4090	ug/kg	U	10
Benzo(g,h,i)perylene	BQL	4090	ug/kg	U	10
Benzo(k)fluoranthene	BQL	4090	ug/kg	U	10
Benzyl Butyl Phthalate	BQL	4090	ug/kg	U	10
Carbazole	BQL	4090	ug/kg	U	10
Chrysene	BQL	4090	ug/kg	U	10

Summary of Analytical Results

Client ID AB0449DL
GPL ID: 9169-008-04-1
Matrix: Soil
Date Collected: Sep-27-2000
Date Received: Sep-28-2000

Prep Method: SW3550
Prep Date: Oct-03-2000
Prep Time: 17:06
Prep Chemist: Abel Moses

Analytical Method: SW8270CTCL
Date Analyzed: Oct-19-2000
Time Analyzed 11:56
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	4090	ug/kg	U	10
Dibenzofuran	BQL	4090	ug/kg	U	10
Diethyl Phthalate	BQL	4090	ug/kg	U	10
Dimethyl Phthalate	BQL	4090	ug/kg	U	10
Fluoranthene	BQL	4090	ug/kg	U	10
Fluorene	BQL	4090	ug/kg	U	10
Hexachlorobenzene	BQL	4090	ug/kg	U	10
Hexachlorobutadiene	BQL	4090	ug/kg	U	10
Hexachlorocyclopentadiene	BQL	4090	ug/kg	U	10
Hexachloroethane	BQL	4090	ug/kg	U	10
Indeno(1,2,3-c,d)Pyrene	BQL	4090	ug/kg	U	10
Isophorone	BQL	4090	ug/kg	U	10
Naphthalene	BQL	4090	ug/kg	U	10
Nitrobenzene	BQL	4090	ug/kg	U	10
Pentachlorophenol	BQL	8190	ug/kg	U	10
Phenanthrene	BQL	4090	ug/kg	U	10
Phenol	BQL	4090	ug/kg	U	10
Pyrene	BQL	4090	ug/kg	U	10
bis(2-chloroethoxy) methane	BQL	4090	ug/kg	U	10
bis(2-chloroethyl) ether	BQL	4090	ug/kg	U	10
bis(2-ethylhexyl) phthalate	BQL	4090	ug/kg	U	10
di-n-Butyl Phthalate	BQL	4090	ug/kg	U	10
di-n-Octyl Phthalate	BQL	4090	ug/kg	U	10
n-Nitrosodi-n-Propylamine	BQL	4090	ug/kg	U	10
n-Nitrosodiphenylamine	BQL	4090	ug/kg	U	10

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB0451DL
GPL ID: 9169-009-04-1
Matrix: Soil
Date Collected: Sep-27-2000
Date Received: Sep-28-2000

Prep Method: SW3550
Prep Date: Oct-03-2000
Prep Time: 17:06
Prep Chemist: Abel Moses

Analytical Method: SW8270CTCL
Date Analyzed: Oct-19-2000
Time Analyzed 12:30
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	4120	ug/kg	U	10
1,2-Dichlorobenzene	BQL	4120	ug/kg	U	10
1,3-Dichlorobenzene	BQL	4120	ug/kg	U	10
1,4-Dichlorobenzene	BQL	4120	ug/kg	U	10
2,2-Oxybis(1-Chloro)Propane	BQL	4120	ug/kg	U	10
2,4,5-Trichlorophenol	BQL	4120	ug/kg	U	10
2,4,6-Trichlorophenol	BQL	4120	ug/kg	U	10
2,4-Dichlorophenol	BQL	4120	ug/kg	U	10
2,4-Dimethylphenol	BQL	4120	ug/kg	U	10
2,4-Dinitrophenol	BQL	8250	ug/kg	U	10
2,4-Dinitrotoluene	899	4120	ug/kg	J	10
2,6-Dinitrotoluene	BQL	4120	ug/kg	U	10
2-Chloronaphthalene	BQL	4120	ug/kg	U	10
2-Chlorophenol	BQL	4120	ug/kg	U	10
2-Methylnaphthalene	BQL	4120	ug/kg	U	10
2-Nitroaniline	BQL	4120	ug/kg	U	10
2-Nitrophenol	BQL	4120	ug/kg	U	10
2-methylphenol	BQL	4120	ug/kg	U	10
3,3-Dichlorobenzidine	BQL	8250	ug/kg	U	10
3-Nitroaniline	BQL	4120	ug/kg	U	10
4,6-dinitro-2-methyl phenol	BQL	8250	ug/kg	U	10
4-Bromophenyl-phenylether	BQL	4120	ug/kg	U	10
4-Chloroaniline	BQL	4120	ug/kg	U	10
4-Chlorophenyl Phenyl Ether	BQL	4120	ug/kg	U	10
4-Nitroaniline	BQL	4120	ug/kg	U	10
4-Nitrophenol	BQL	8250	ug/kg	U	10
4-chloro-3-methylphenol	BQL	4120	ug/kg	U	10
4-methylphenol	BQL	4120	ug/kg	U	10
Acenaphthene	BQL	4120	ug/kg	U	10
Acenaphthylene	BQL	4120	ug/kg	U	10
Anthracene	BQL	4120	ug/kg	U	10
Benzo(a)anthracene	BQL	4120	ug/kg	U	10
Benzo(a)pyrene	BQL	4120	ug/kg	U	10
Benzo(b)fluoranthene	BQL	4120	ug/kg	U	10
Benzo(g,h,i)perylene	BQL	4120	ug/kg	U	10
Benzo(k)fluoranthene	BQL	4120	ug/kg	U	10
Benzyl Butyl Phthalate	BQL	4120	ug/kg	U	10
Carbazole	BQL	4120	ug/kg	U	10
Chrysene	BQL	4120	ug/kg	U	10

Summary of Analytical Results

Client ID AB0451DL
GPL ID: 9169-009-04-1
Matrix: Soil
Date Collected: Sep-27-2000
Date Received: Sep-28-2000

Prep Method: SW3550
Prep Date: Oct-03-2000
Prep Time: 17:06
Prep Chemist: Abel Moses

Analytical Method: SW8270CTCL
Date Analyzed: Oct-19-2000
Time Analyzed 12:30
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	4120	ug/kg	U	10
Dibenzofuran	BQL	4120	ug/kg	U	10
Diethyl Phthalate	BQL	4120	ug/kg	U	10
Dimethyl Phthalate	BQL	4120	ug/kg	U	10
Fluoranthene	BQL	4120	ug/kg	U	10
Fluorene	BQL	4120	ug/kg	U	10
Hexachlorobenzene	BQL	4120	ug/kg	U	10
Hexachlorobutadiene	BQL	4120	ug/kg	U	10
Hexachlorocyclopentadiene	BQL	4120	ug/kg	U	10
Hexachloroethane	BQL	4120	ug/kg	U	10
Indeno(1,2,3-c,d)Pyrene	BQL	4120	ug/kg	U	10
Isophorone	BQL	4120	ug/kg	U	10
Naphthalene	BQL	4120	ug/kg	U	10
Nitrobenzene	BQL	4120	ug/kg	U	10
Pentachlorophenol	BQL	8250	ug/kg	U	10
Phenanthrene	BQL	4120	ug/kg	U	10
Phenol	BQL	4120	ug/kg	U	10
Pyrene	BQL	4120	ug/kg	U	10
bis(2-chloroethoxy) methane	BQL	4120	ug/kg	U	10
bis(2-chloroethyl) ether	BQL	4120	ug/kg	U	10
bis(2-ethylhexyl) phthalate	BQL	4120	ug/kg	U	10
di-n-Butyl Phthalate	BQL	4120	ug/kg	U	10
di-n-Octyl Phthalate	BQL	4120	ug/kg	U	10
n-Nitrosodi-n-Propylamine	BQL	4120	ug/kg	U	10
n-Nitrosodiphenylamine	BQL	4120	ug/kg	U	10

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB0452DL
GPL ID: 9169-010-04-1
Matrix: Soil
Date Collected: Sep-27-2000
Date Received: Sep-28-2000

Prep Method: SW3550
Prep Date: Oct-03-2000
Prep Time: 17:06
Prep Chemist: Abel Moses

Analytical Method: SW8270CTCL
Date Analyzed: Oct-19-2000
Time Analyzed 13:38
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	3840	ug/kg	U	10
1,2-Dichlorobenzene	BQL	3840	ug/kg	U	10
1,3-Dichlorobenzene	BQL	3840	ug/kg	U	10
1,4-Dichlorobenzene	BQL	3840	ug/kg	U	10
2,2-Oxybis(1-Chloro)Propane	BQL	3840	ug/kg	U	10
2,4,5-Trichlorophenol	BQL	3840	ug/kg	U	10
2,4,6-Trichlorophenol	BQL	3840	ug/kg	U	10
2,4-Dichlorophenol	BQL	3840	ug/kg	U	10
2,4-Dimethylphenol	BQL	3840	ug/kg	U	10
2,4-Dinitrophenol	BQL	7680	ug/kg	U	10
2,4-Dinitrotoluene	5790	3840	ug/kg		10
2,6-Dinitrotoluene	4410	3840	ug/kg		10
2-Chloronaphthalene	BQL	3840	ug/kg	U	10
2-Chlorophenol	BQL	3840	ug/kg	U	10
2-Methylnaphthalene	BQL	3840	ug/kg	U	10
2-Nitroaniline	BQL	3840	ug/kg	U	10
2-Nitrophenol	BQL	3840	ug/kg	U	10
2-methylphenol	BQL	3840	ug/kg	U	10
3,3-Dichlorobenzidine	BQL	7680	ug/kg	U	10
3-Nitroaniline	BQL	3840	ug/kg	U	10
4,6-dinitro-2-methyl phenol	BQL	7680	ug/kg	U	10
4-Bromophenyl-phenylether	BQL	3840	ug/kg	U	10
4-Chloroaniline	BQL	3840	ug/kg	U	10
4-Chlorophenyl Phenyl Ether	BQL	3840	ug/kg	U	10
4-Nitroaniline	BQL	3840	ug/kg	U	10
4-Nitrophenol	BQL	7680	ug/kg	U	10
4-chloro-3-methylphenol	BQL	3840	ug/kg	U	10
4-methylphenol	BQL	3840	ug/kg	U	10
Acenaphthene	BQL	3840	ug/kg	U	10
Acenaphthylene	BQL	3840	ug/kg	U	10
Anthracene	BQL	3840	ug/kg	U	10
Benzo(a)anthracene	BQL	3840	ug/kg	U	10
Benzo(a)pyrene	BQL	3840	ug/kg	U	10
Benzo(b)fluoranthene	BQL	3840	ug/kg	U	10
Benzo(g,h,i)perylene	BQL	3840	ug/kg	U	10
Benzo(k)fluoranthene	BQL	3840	ug/kg	U	10
Benzyl Butyl Phthalate	BQL	3840	ug/kg	U	10
Carbazole	BQL	3840	ug/kg	U	10
Chrysene	BQL	3840	ug/kg	U	10

Summary of Analytical Results

Client ID AB0452DL
GPL ID: 9169-010-04-1
Matrix: Soil
Date Collected: Sep-27-2000
Date Received: Sep-28-2000

Prep Method: SW3550
Prep Date: Oct-03-2000
Prep Time: 17:06
Prep Chemist: Abel Moses

Analytical Method: SW8270CTCL
Date Analyzed: Oct-19-2000
Time Analyzed 13:38
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	3840	ug/kg	U	10
Dibenzofuran	BQL	3840	ug/kg	U	10
Diethyl Phthalate	BQL	3840	ug/kg	U	10
Dimethyl Phthalate	BQL	3840	ug/kg	U	10
Fluoranthene	BQL	3840	ug/kg	U	10
Fluorene	BQL	3840	ug/kg	U	10
Hexachlorobenzene	BQL	3840	ug/kg	U	10
Hexachlorobutadiene	BQL	3840	ug/kg	U	10
Hexachlorocyclopentadiene	BQL	3840	ug/kg	U	10
Hexachloroethane	BQL	3840	ug/kg	U	10
Indeno(1,2,3-c,d)Pyrene	BQL	3840	ug/kg	U	10
Isophorone	BQL	3840	ug/kg	U	10
Naphthalene	BQL	3840	ug/kg	U	10
Nitrobenzene	BQL	3840	ug/kg	U	10
Pentachlorophenol	BQL	7680	ug/kg	U	10
Phenanthrene	BQL	3840	ug/kg	U	10
Phenol	BQL	3840	ug/kg	U	10
Pyrene	BQL	3840	ug/kg	U	10
bis(2-chloroethoxy) methane	BQL	3840	ug/kg	U	10
bis(2-chloroethyl) ether	BQL	3840	ug/kg	U	10
bis(2-ethylhexyl) phthalate	BQL	3840	ug/kg	U	10
di-n-Butyl Phthalate	BQL	3840	ug/kg	U	10
di-n-Octyl Phthalate	BQL	3840	ug/kg	U	10
n-Nitrosodi-n-Propylamine	BQL	3840	ug/kg	U	10
n-Nitrosodiphenylamine	BQL	3840	ug/kg	U	10

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB0454DL
GPL ID: 9169-011-04-1
Matrix: Soil
Date Collected: Sep-27-2000
Date Received: Sep-28-2000

Prep Method: SW3550
Prep Date: Oct-03-2000
Prep Time: 17:06
Prep Chemist: Abel Moses

Analytical Method: SW8270CTCL
Date Analyzed: Oct-19-2000
Time Analyzed 14:14
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	3940	ug/kg	U	10
1,2-Dichlorobenzene	BQL	3940	ug/kg	U	10
1,3-Dichlorobenzene	BQL	3940	ug/kg	U	10
1,4-Dichlorobenzene	BQL	3940	ug/kg	U	10
2,2-Oxybis(1-Chloro)Propane	BQL	3940	ug/kg	U	10
2,4,5-Trichlorophenol	BQL	3940	ug/kg	U	10
2,4,6-Trichlorophenol	BQL	3940	ug/kg	U	10
2,4-Dichlorophenol	BQL	3940	ug/kg	U	10
2,4-Dimethylphenol	BQL	3940	ug/kg	U	10
2,4-Dinitrophenol	BQL	7880	ug/kg	U	10
2,4-Dinitrotoluene	13900	3940	ug/kg		10
2,6-Dinitrotoluene	8430	3940	ug/kg		10
2-Chloronaphthalene	BQL	3940	ug/kg	U	10
2-Chlorophenol	BQL	3940	ug/kg	U	10
2-Methylnaphthalene	BQL	3940	ug/kg	U	10
2-Nitroaniline	BQL	3940	ug/kg	U	10
2-Nitrophenol	BQL	3940	ug/kg	U	10
2-methylphenol	BQL	3940	ug/kg	U	10
3,3-Dichlorobenzidine	BQL	7880	ug/kg	U	10
3-Nitroaniline	BQL	3940	ug/kg	U	10
4,6-dinitro-2-methyl phenol	BQL	7880	ug/kg	U	10
4-Bromophenyl-phenylether	BQL	3940	ug/kg	U	10
4-Chloroaniline	BQL	3940	ug/kg	U	10
4-Chlorophenyl Phenyl Ether	BQL	3940	ug/kg	U	10
4-Nitroaniline	BQL	3940	ug/kg	U	10
4-Nitrophenol	BQL	7880	ug/kg	U	10
4-chloro-3-methylphenol	BQL	3940	ug/kg	U	10
4-methylphenol	BQL	3940	ug/kg	U	10
Acenaphthene	BQL	3940	ug/kg	U	10
Acenaphthylene	BQL	3940	ug/kg	U	10
Anthracene	BQL	3940	ug/kg	U	10
Benzo(a)anthracene	BQL	3940	ug/kg	U	10
Benzo(a)pyrene	BQL	3940	ug/kg	U	10
Benzo(b)fluoranthene	BQL	3940	ug/kg	U	10
Benzo(g,h,i)perylene	BQL	3940	ug/kg	U	10
Benzo(k)fluoranthene	BQL	3940	ug/kg	U	10
Benzyl Butyl Phthalate	BQL	3940	ug/kg	U	10
Carbazole	BQL	3940	ug/kg	U	10
Chrysene	BQL	3940	ug/kg	U	10

Summary of Analytical Results

Client ID AB0454DL
GPL ID: 9169-011-04-1
Matrix: Soil
Date Collected: Sep-27-2000
Date Received: Sep-28-2000

Prep Method: SW3550
Prep Date: Oct-03-2000
Prep Time: 17:06
Prep Chemist: Abel Moses

Analytical Method: SW8270CTCL
Date Analyzed: Oct-19-2000
Time Analyzed 14:14
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	3940	ug/kg	U	10
Dibenzofuran	BQL	3940	ug/kg	U	10
Diethyl Phthalate	BQL	3940	ug/kg	U	10
Dimethyl Phthalate	BQL	3940	ug/kg	U	10
Fluoranthene	BQL	3940	ug/kg	U	10
Fluorene	BQL	3940	ug/kg	U	10
Hexachlorobenzene	BQL	3940	ug/kg	U	10
Hexachlorobutadiene	BQL	3940	ug/kg	U	10
Hexachlorocyclopentadiene	BQL	3940	ug/kg	U	10
Hexachloroethane	BQL	3940	ug/kg	U	10
Indeno(1,2,3-c,d)Pyrene	BQL	3940	ug/kg	U	10
Isophorone	BQL	3940	ug/kg	U	10
Naphthalene	BQL	3940	ug/kg	U	10
Nitrobenzene	BQL	3940	ug/kg	U	10
Pentachlorophenol	BQL	7880	ug/kg	U	10
Phenanthrene	BQL	3940	ug/kg	U	10
Phenol	BQL	3940	ug/kg	U	10
Pyrene	BQL	3940	ug/kg	U	10
bis(2-chloroethoxy) methane	BQL	3940	ug/kg	U	10
bis(2-chloroethyl) ether	BQL	3940	ug/kg	U	10
bis(2-ethylhexyl) phthalate	BQL	3940	ug/kg	U	10
di-n-Butyl Phthalate	BQL	3940	ug/kg	U	10
di-n-Octyl Phthalate	BQL	3940	ug/kg	U	10
n-Nitrosodi-n-Propylamine	BQL	3940	ug/kg	U	10
n-Nitrosodiphenylamine	BQL	3940	ug/kg	U	10

Summary of Analytical Results

Client ID AB0455
GPL ID: 9169-012-04-1
Matrix: Soil
Date Collected: Sep-27-2000
Date Received: Sep-28-2000

Prep Method: SW3550
Prep Date: Oct-03-2000
Prep Time: 17:06
Prep Chemist: Abel Moses

Analytical Method: SW8270CTCL
Date Analyzed: Oct-18-2000
Time Analyzed 19:07
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	368	ug/kg	U	1
1,2-Dichlorobenzene	BQL	368	ug/kg	U	1
1,3-Dichlorobenzene	BQL	368	ug/kg	U	1
1,4-Dichlorobenzene	BQL	368	ug/kg	U	1
2,2-Oxybis(1-Chloro)Propane	BQL	368	ug/kg	U	1
2,4,5-Trichlorophenol	BQL	368	ug/kg	U	1
2,4,6-Trichlorophenol	BQL	368	ug/kg	U	1
2,4-Dichlorophenol	BQL	368	ug/kg	U	1
2,4-Dimethylphenol	BQL	368	ug/kg	U	1
2,4-Dinitrophenol	BQL	736	ug/kg	U	1
2,4-Dinitrotoluene	1720	368	ug/kg		1
2,6-Dinitrotoluene	428	368	ug/kg		1
2-Chloronaphthalene	BQL	368	ug/kg	U	1
2-Chlorophenol	BQL	368	ug/kg	U	1
2-Methylnaphthalene	BQL	368	ug/kg	U	1
2-Nitroaniline	BQL	368	ug/kg	U	1
2-Nitrophenol	BQL	368	ug/kg	U	1
2-methylphenol	BQL	368	ug/kg	U	1
3,3-Dichlorobenzidine	BQL	736	ug/kg	U	1
3-Nitroaniline	BQL	368	ug/kg	U	1
4,6-dinitro-2-methyl phenol	BQL	736	ug/kg	U	1
4-Bromophenyl-phenylether	BQL	368	ug/kg	U	1
4-Chloroaniline	BQL	368	ug/kg	U	1
4-Chlorophenyl Phenyl Ether	BQL	368	ug/kg	U	1
4-Nitroaniline	BQL	368	ug/kg	U	1
4-Nitrophenol	BQL	736	ug/kg	U	1
4-chloro-3-methylphenol	BQL	368	ug/kg	U	1
4-methylphenol	BQL	368	ug/kg	U	1
Acenaphthene	BQL	368	ug/kg	U	1
Acenaphthylene	BQL	368	ug/kg	U	1
Anthracene	BQL	368	ug/kg	U	1
Benzo(a)anthracene	BQL	368	ug/kg	U	1
Benzo(a)pyrene	BQL	368	ug/kg	U	1
Benzo(b)fluoranthene	BQL	368	ug/kg	U	1
Benzo(g,h,i)perylene	BQL	368	ug/kg	U	1
Benzo(k)fluoranthene	BQL	368	ug/kg	U	1
Benzyl Butyl Phthalate	BQL	368	ug/kg	U	1
Carbazole	BQL	368	ug/kg	U	1
Chrysene	BQL	368	ug/kg	U	1

Summary of Analytical Results

Client ID AB0455
GPL ID: 9169-012-04-1
Matrix: Soil
Date Collected: Sep-27-2000
Date Received: Sep-28-2000

Prep Method: SW3550
Prep Date: Oct-03-2000
Prep Time: 17:06
Prep Chemist: Abel Moses

Analytical Method: SW8270CTCL
Date Analyzed: Oct-18-2000
Time Analyzed 19:07
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	368	ug/kg	U	1
Dibenzofuran	BQL	368	ug/kg	U	1
Diethyl Phthalate	BQL	368	ug/kg	U	1
Dimethyl Phthalate	BQL	368	ug/kg	U	1
Fluoranthene	BQL	368	ug/kg	U	1
Fluorene	BQL	368	ug/kg	U	1
Hexachlorobenzene	BQL	368	ug/kg	U	1
Hexachlorobutadiene	BQL	368	ug/kg	U	1
Hexachlorocyclopentadiene	BQL	368	ug/kg	U	1
Hexachloroethane	BQL	368	ug/kg	U	1
Indeno(1,2,3-c,d)Pyrene	BQL	368	ug/kg	U	1
Isophorone	BQL	368	ug/kg	U	1
Naphthalene	BQL	368	ug/kg	U	1
Nitrobenzene	BQL	368	ug/kg	U	1
Pentachlorophenol	BQL	736	ug/kg	U	1
Phenanthrene	BQL	368	ug/kg	U	1
Phenol	BQL	368	ug/kg	U	1
Pyrene	BQL	368	ug/kg	U	1
bis(2-chloroethoxy) methane	BQL	368	ug/kg	U	1
bis(2-chloroethyl) ether	BQL	368	ug/kg	U	1
bis(2-ethylhexyl) phthalate	BQL	368	ug/kg	U	1
di-n-Butyl Phthalate	BQL	368	ug/kg	U	1
di-n-Octyl Phthalate	BQL	368	ug/kg	U	1
n-Nitrosodi-n-Propylamine	BQL	368	ug/kg	U	1
n-Nitrosodiphenylamine	BQL	368	ug/kg	U	1

Summary of Analytical Results

Client ID AB0463DL
GPL ID: 9169-015-04-1
Matrix: Soil
Date Collected: Sep-27-2000
Date Received: Sep-28-2000

Prep Method: SW3550
Prep Date: Oct-03-2000
Prep Time: 17:06
Prep Chemist: Abel Moses

Analytical Method: SW8270CTCL
Date Analyzed: Oct-19-2000
Time Analyzed 14:49
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	792	ug/kg	U	2
1,2-Dichlorobenzene	BQL	792	ug/kg	U	2
1,3-Dichlorobenzene	BQL	792	ug/kg	U	2
1,4-Dichlorobenzene	BQL	792	ug/kg	U	2
2,2-Oxybis(1-Chloro)Propane	BQL	792	ug/kg	U	2
2,4,5-Trichlorophenol	BQL	792	ug/kg	U	2
2,4,6-Trichlorophenol	BQL	792	ug/kg	U	2
2,4-Dichlorophenol	BQL	792	ug/kg	U	2
2,4-Dimethylphenol	BQL	792	ug/kg	U	2
2,4-Dinitrophenol	BQL	1580	ug/kg	U	2
2,4-Dinitrotoluene	617	792	ug/kg	J	2
2,6-Dinitrotoluene	7210	792	ug/kg		2
2-Chloronaphthalene	BQL	792	ug/kg	U	2
2-Chlorophenol	BQL	792	ug/kg	U	2
2-Methylnaphthalene	BQL	792	ug/kg	U	2
2-Nitroaniline	BQL	792	ug/kg	U	2
2-Nitrophenol	BQL	792	ug/kg	U	2
2-methylphenol	BQL	792	ug/kg	U	2
3,3-Dichlorobenzidine	BQL	1580	ug/kg	U	2
3-Nitroaniline	BQL	792	ug/kg	U	2
4,6-dinitro-2-methyl phenol	BQL	1580	ug/kg	U	2
4-Bromophenyl-phenylether	BQL	792	ug/kg	U	2
4-Chloroaniline	BQL	792	ug/kg	U	2
4-Chlorophenyl Phenyl Ether	BQL	792	ug/kg	U	2
4-Nitroaniline	BQL	792	ug/kg	U	2
4-Nitrophenol	BQL	1580	ug/kg	U	2
4-chloro-3-methylphenol	BQL	792	ug/kg	U	2
4-methylphenol	BQL	792	ug/kg	U	2
Acenaphthene	BQL	792	ug/kg	U	2
Acenaphthylene	BQL	792	ug/kg	U	2
Anthracene	BQL	792	ug/kg	U	2
Benzo(a)anthracene	BQL	792	ug/kg	U	2
Benzo(a)pyrene	BQL	792	ug/kg	U	2
Benzo(b)fluoranthene	BQL	792	ug/kg	U	2
Benzo(g,h,i)perylene	BQL	792	ug/kg	U	2
Benzo(k)fluoranthene	BQL	792	ug/kg	U	2
Benzyl Butyl Phthalate	BQL	792	ug/kg	U	2
Carbazole	BQL	792	ug/kg	U	2
Chrysene	BQL	792	ug/kg	U	2

Summary of Analytical Results

Client ID AB0463DL
GPL ID: 9169-015-04-1
Matrix: Soil
Date Collected: Sep-27-2000
Date Received: Sep-28-2000

Prep Method: SW3550
Prep Date: Oct-03-2000
Prep Time: 17:06
Prep Chemist: Abel Moses

Analytical Method: SW8270CTCL
Date Analyzed: Oct-19-2000
Time Analyzed 14:49
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	792	ug/kg	U	2
Dibenzofuran	BQL	792	ug/kg	U	2
Diethyl Phthalate	BQL	792	ug/kg	U	2
Dimethyl Phthalate	BQL	792	ug/kg	U	2
Fluoranthene	BQL	792	ug/kg	U	2
Fluorene	BQL	792	ug/kg	U	2
Hexachlorobenzene	BQL	792	ug/kg	U	2
Hexachlorobutadiene	BQL	792	ug/kg	U	2
Hexachlorocyclopentadiene	BQL	792	ug/kg	U	2
Hexachloroethane	BQL	792	ug/kg	U	2
Indeno(1,2,3-c,d)Pyrene	BQL	792	ug/kg	U	2
Isophorone	BQL	792	ug/kg	U	2
Naphthalene	BQL	792	ug/kg	U	2
Nitrobenzene	BQL	792	ug/kg	U	2
Pentachlorophenol	BQL	1580	ug/kg	U	2
Phenanthrene	BQL	792	ug/kg	U	2
Phenol	BQL	792	ug/kg	U	2
Pyrene	BQL	792	ug/kg	U	2
bis(2-chloroethoxy) methane	BQL	792	ug/kg	U	2
bis(2-chloroethyl) ether	BQL	792	ug/kg	U	2
bis(2-ethylhexyl) phthalate	BQL	792	ug/kg	U	2
di-n-Butyl Phthalate	BQL	792	ug/kg	U	2
di-n-Octyl Phthalate	BQL	792	ug/kg	U	2
n-Nitrosodi-n-Propylamine	BQL	792	ug/kg	U	2
n-Nitrosodiphenylamine	BQL	792	ug/kg	U	2

Summary of Analytical Results

Client ID AB0464DL
GPL ID: 9169-016-04-1
Matrix: Soil
Date Collected: Sep-27-2000
Date Received: Sep-28-2000

Prep Method: SW3550
Prep Date: Oct-03-2000
Prep Time: 17:06
Prep Chemist: Abel Moses

Analytical Method: SW8270CTCL
Date Analyzed: Oct-18-2000
Time Analyzed 20:50
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	1930	ug/kg	U	5
1,2-Dichlorobenzene	BQL	1930	ug/kg	U	5
1,3-Dichlorobenzene	BQL	1930	ug/kg	U	5
1,4-Dichlorobenzene	BQL	1930	ug/kg	U	5
2,2-Oxybis(1-Chloro)Propane	BQL	1930	ug/kg	U	5
2,4,5-Trichlorophenol	BQL	1930	ug/kg	U	5
2,4,6-Trichlorophenol	BQL	1930	ug/kg	U	5
2,4-Dichlorophenol	BQL	1930	ug/kg	U	5
2,4-Dimethylphenol	BQL	1930	ug/kg	U	5
2,4-Dinitrophenol	BQL	3870	ug/kg	U	5
2,4-Dinitrotoluene	8190	1930	ug/kg		5
2,6-Dinitrotoluene	6830	1930	ug/kg		5
2-Chloronaphthalene	BQL	1930	ug/kg	U	5
2-Chlorophenol	BQL	1930	ug/kg	U	5
2-Methylnaphthalene	BQL	1930	ug/kg	U	5
2-Nitroaniline	BQL	1930	ug/kg	U	5
2-Nitrophenol	BQL	1930	ug/kg	U	5
2-methylphenol	BQL	1930	ug/kg	U	5
3,3-Dichlorobenzidine	BQL	3870	ug/kg	U	5
3-Nitroaniline	BQL	1930	ug/kg	U	5
4,6-dinitro-2-methyl phenol	BQL	3870	ug/kg	U	5
4-Bromophenyl-phenylether	BQL	1930	ug/kg	U	5
4-Chloroaniline	BQL	1930	ug/kg	U	5
4-Chlorophenyl Phenyl Ether	BQL	1930	ug/kg	U	5
4-Nitroaniline	BQL	1930	ug/kg	U	5
4-Nitrophenol	BQL	3870	ug/kg	U	5
4-chloro-3-methylphenol	BQL	1930	ug/kg	U	5
4-methylphenol	BQL	1930	ug/kg	U	5
Acenaphthene	BQL	1930	ug/kg	U	5
Acenaphthylene	BQL	1930	ug/kg	U	5
Anthracene	BQL	1930	ug/kg	U	5
Benzo(a)anthracene	BQL	1930	ug/kg	U	5
Benzo(a)pyrene	BQL	1930	ug/kg	U	5
Benzo(b)fluoranthene	BQL	1930	ug/kg	U	5
Benzo(g,h,i)perylene	BQL	1930	ug/kg	U	5
Benzo(k)fluoranthene	BQL	1930	ug/kg	U	5
Benzyl Butyl Phthalate	BQL	1930	ug/kg	U	5
Carbazole	BQL	1930	ug/kg	U	5
Chrysene	BQL	1930	ug/kg	U	5

Summary of Analytical Results

Client ID AB0464DL
GPL ID: 9169-016-04-1
Matrix: Soil
Date Collected: Sep-27-2000
Date Received: Sep-28-2000

Prep Method: SW3550
Prep Date: Oct-03-2000
Prep Time: 17:06
Prep Chemist: Abel Moses

Analytical Method: SW8270CTCL
Date Analyzed: Oct-18-2000
Time Analyzed 20:50
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	1930	ug/kg	U	5
Dibenzofuran	BQL	1930	ug/kg	U	5
Diethyl Phthalate	BQL	1930	ug/kg	U	5
Dimethyl Phthalate	BQL	1930	ug/kg	U	5
Fluoranthene	BQL	1930	ug/kg	U	5
Fluorene	BQL	1930	ug/kg	U	5
Hexachlorobenzene	BQL	1930	ug/kg	U	5
Hexachlorobutadiene	BQL	1930	ug/kg	U	5
Hexachlorocyclopentadiene	BQL	1930	ug/kg	U	5
Hexachloroethane	BQL	1930	ug/kg	U	5
Indeno(1,2,3-c,d)Pyrene	BQL	1930	ug/kg	U	5
Isophorone	BQL	1930	ug/kg	U	5
Naphthalene	BQL	1930	ug/kg	U	5
Nitrobenzene	BQL	1930	ug/kg	U	5
Pentachlorophenol	BQL	3870	ug/kg	U	5
Phenanthrene	BQL	1930	ug/kg	U	5
Phenol	BQL	1930	ug/kg	U	5
Pyrene	BQL	1930	ug/kg	U	5
bis(2-chloroethoxy) methane	BQL	1930	ug/kg	U	5
bis(2-chloroethyl) ether	BQL	1930	ug/kg	U	5
bis(2-ethylhexyl) phthalate	BQL	1930	ug/kg	U	5
di-n-Butyl Phthalate	BQL	1930	ug/kg	U	5
di-n-Octyl Phthalate	BQL	1930	ug/kg	U	5
n-Nitrosodi-n-Propylamine	BQL	1930	ug/kg	U	5
n-Nitrosodiphenylamine	BQL	1930	ug/kg	U	5

Summary of Analytical Results

Client ID AB0465
GPL ID: 9169-017-04-1
Matrix: Soil
Date Collected: Sep-27-2000
Date Received: Sep-28-2000

Prep Method: SW3550
Prep Date: Oct-03-2000
Prep Time: 17:06
Prep Chemist: Abel Moses

Analytical Method: SW8270CTCL
Date Analyzed: Oct-18-2000
Time Analyzed 16:15
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	394	ug/kg	U	1
1,2-Dichlorobenzene	BQL	394	ug/kg	U	1
1,3-Dichlorobenzene	BQL	394	ug/kg	U	1
1,4-Dichlorobenzene	BQL	394	ug/kg	U	1
2,2-Oxybis(1-Chloro)Propane	BQL	394	ug/kg	U	1
2,4,5-Trichlorophenol	BQL	394	ug/kg	U	1
2,4,6-Trichlorophenol	BQL	394	ug/kg	U	1
2,4-Dichlorophenol	BQL	394	ug/kg	U	1
2,4-Dimethylphenol	BQL	394	ug/kg	U	1
2,4-Dinitrophenol	BQL	787	ug/kg	U	1
2,4-Dinitrotoluene	BQL	394	ug/kg	U	1
2,6-Dinitrotoluene	BQL	394	ug/kg	U	1
2-Chloronaphthalene	BQL	394	ug/kg	U	1
2-Chlorophenol	BQL	394	ug/kg	U	1
2-Methylnaphthalene	BQL	394	ug/kg	U	1
2-Nitroaniline	BQL	394	ug/kg	U	1
2-Nitrophenol	BQL	394	ug/kg	U	1
2-methylphenol	BQL	394	ug/kg	U	1
3,3-Dichlorobenzidine	BQL	787	ug/kg	U	1
3-Nitroaniline	BQL	394	ug/kg	U	1
4,6-dinitro-2-methyl phenol	BQL	787	ug/kg	U	1
4-Bromophenyl-phenylether	BQL	394	ug/kg	U	1
4-Chloroaniline	BQL	394	ug/kg	U	1
4-Chlorophenyl Phenyl Ether	BQL	394	ug/kg	U	1
4-Nitroaniline	BQL	394	ug/kg	U	1
4-Nitrophenol	BQL	787	ug/kg	U	1
4-chloro-3-methylphenol	BQL	394	ug/kg	U	1
4-methylphenol	BQL	394	ug/kg	U	1
Acenaphthene	BQL	394	ug/kg	U	1
Acenaphthylene	BQL	394	ug/kg	U	1
Anthracene	BQL	394	ug/kg	U	1
Benzo(a)anthracene	BQL	394	ug/kg	U	1
Benzo(a)pyrene	BQL	394	ug/kg	U	1
Benzo(b)fluoranthene	BQL	394	ug/kg	U	1
Benzo(g,h,i)perylene	BQL	394	ug/kg	U	1
Benzo(k)fluoranthene	BQL	394	ug/kg	U	1
Benzyl Butyl Phthalate	BQL	394	ug/kg	U	1
Carbazole	BQL	394	ug/kg	U	1
Chrysene	BQL	394	ug/kg	U	1

Summary of Analytical Results

Client ID AB0465
GPL ID: 9169-017-04-1
Matrix: Soil
Date Collected: Sep-27-2000
Date Received: Sep-28-2000

Prep Method: SW3550
Prep Date: Oct-03-2000
Prep Time: 17:06
Prep Chemist: Abel Moses

Analytical Method: SW8270CTCL
Date Analyzed: Oct-18-2000
Time Analyzed 16:15
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	394	ug/kg	U	1
Dibenzofuran	BQL	394	ug/kg	U	1
Diethyl Phthalate	BQL	394	ug/kg	U	1
Dimethyl Phthalate	BQL	394	ug/kg	U	1
Fluoranthene	BQL	394	ug/kg	U	1
Fluorene	BQL	394	ug/kg	U	1
Hexachlorobenzene	BQL	394	ug/kg	U	1
Hexachlorobutadiene	BQL	394	ug/kg	U	1
Hexachlorocyclopentadiene	BQL	394	ug/kg	U	1
Hexachloroethane	BQL	394	ug/kg	U	1
Indeno(1,2,3-c,d)Pyrene	BQL	394	ug/kg	U	1
Isophorone	BQL	394	ug/kg	U	1
Naphthalene	BQL	394	ug/kg	U	1
Nitrobenzene	BQL	394	ug/kg	U	1
Pentachlorophenol	BQL	787	ug/kg	U	1
Phenanthrene	BQL	394	ug/kg	U	1
Phenol	BQL	394	ug/kg	U	1
Pyrene	BQL	394	ug/kg	U	1
bis(2-chloroethoxy) methane	BQL	394	ug/kg	U	1
bis(2-chloroethyl) ether	BQL	394	ug/kg	U	1
bis(2-ethylhexyl) phthalate	26.4	394	ug/kg	J	1
di-n-Butyl Phthalate	BQL	394	ug/kg	U	1
di-n-Octyl Phthalate	BQL	394	ug/kg	U	1
n-Nitrosodi-n-Propylamine	BQL	394	ug/kg	U	1
n-Nitrosodiphenylamine	BQL	394	ug/kg	U	1

Summary of Analytical Results

Client ID AB0469
GPL ID: 9169-018-04-1
Matrix: Soil
Date Collected: Sep-27-2000
Date Received: Sep-28-2000

Prep Method: SW3550
Prep Date: Oct-03-2000
Prep Time: 17:06
Prep Chemist: Abel Moses

Analytical Method: SW8270CTCL
Date Analyzed: Oct-18-2000
Time Analyzed 16:50
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	376	ug/kg	U	1
1,2-Dichlorobenzene	BQL	376	ug/kg	U	1
1,3-Dichlorobenzene	BQL	376	ug/kg	U	1
1,4-Dichlorobenzene	BQL	376	ug/kg	U	1
2,2-Oxybis(1-Chloro)Propane	BQL	376	ug/kg	U	1
2,4,5-Trichlorophenol	BQL	376	ug/kg	U	1
2,4,6-Trichlorophenol	BQL	376	ug/kg	U	1
2,4-Dichlorophenol	BQL	376	ug/kg	U	1
2,4-Dimethylphenol	BQL	376	ug/kg	U	1
2,4-Dinitrophenol	BQL	752	ug/kg	U	1
2,4-Dinitrotoluene	49.3	376	ug/kg	J	1
2,6-Dinitrotoluene	BQL	376	ug/kg	U	1
2-Chloronaphthalene	BQL	376	ug/kg	U	1
2-Chlorophenol	BQL	376	ug/kg	U	1
2-Methylnaphthalene	BQL	376	ug/kg	U	1
2-Nitroaniline	BQL	376	ug/kg	U	1
2-Nitrophenol	BQL	376	ug/kg	U	1
2-methylphenol	BQL	376	ug/kg	U	1
3,3-Dichlorobenzidine	BQL	752	ug/kg	U	1
3-Nitroaniline	BQL	376	ug/kg	U	1
4,6-dinitro-2-methyl phenol	BQL	752	ug/kg	U	1
4-Bromophenyl-phenylether	BQL	376	ug/kg	U	1
4-Chloroaniline	BQL	376	ug/kg	U	1
4-Chlorophenyl Phenyl Ether	BQL	376	ug/kg	U	1
4-Nitroaniline	BQL	376	ug/kg	U	1
4-Nitrophenol	BQL	752	ug/kg	U	1
4-chloro-3-methylphenol	BQL	376	ug/kg	U	1
4-methylphenol	BQL	376	ug/kg	U	1
Acenaphthene	BQL	376	ug/kg	U	1
Acenaphthylene	BQL	376	ug/kg	U	1
Anthracene	BQL	376	ug/kg	U	1
Benzo(a)anthracene	BQL	376	ug/kg	U	1
Benzo(a)pyrene	BQL	376	ug/kg	U	1
Benzo(b)fluoranthene	BQL	376	ug/kg	U	1
Benzo(g,h,i)perylene	BQL	376	ug/kg	U	1
Benzo(k)fluoranthene	BQL	376	ug/kg	U	1
Benzyl Butyl Phthalate	BQL	376	ug/kg	U	1
Carbazole	BQL	376	ug/kg	U	1
Chrysene	BQL	376	ug/kg	U	1

Summary of Analytical Results

Client ID AB0469
GPL ID: 9169-018-04-1
Matrix: Soil
Date Collected: Sep-27-2000
Date Received: Sep-28-2000

Prep Method: SW3550
Prep Date: Oct-03-2000
Prep Time: 17:06
Prep Chemist: Abel Moses

Analytical Method: SW8270CTCL
Date Analyzed: Oct-18-2000
Time Analyzed 16:50
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	376	ug/kg	U	1
Dibenzofuran	BQL	376	ug/kg	U	1
Diethyl Phthalate	BQL	376	ug/kg	U	1
Dimethyl Phthalate	BQL	376	ug/kg	U	1
Fluoranthene	BQL	376	ug/kg	U	1
Fluorene	BQL	376	ug/kg	U	1
Hexachlorobenzene	BQL	376	ug/kg	U	1
Hexachlorobutadiene	BQL	376	ug/kg	U	1
Hexachlorocyclopentadiene	BQL	376	ug/kg	U	1
Hexachloroethane	BQL	376	ug/kg	U	1
Indeno(1,2,3-c,d)Pyrene	BQL	376	ug/kg	U	1
Isophorone	BQL	376	ug/kg	U	1
Naphthalene	BQL	376	ug/kg	U	1
Nitrobenzene	BQL	376	ug/kg	U	1
Pentachlorophenol	BQL	752	ug/kg	U	1
Phenanthrene	BQL	376	ug/kg	U	1
Phenol	BQL	376	ug/kg	U	1
Pyrene	BQL	376	ug/kg	U	1
bis(2-chloroethoxy) methane	BQL	376	ug/kg	U	1
bis(2-chloroethyl) ether	BQL	376	ug/kg	U	1
bis(2-ethylhexyl) phthalate	BQL	376	ug/kg	U	1
di-n-Butyl Phthalate	BQL	376	ug/kg	U	1
di-n-Octyl Phthalate	BQL	376	ug/kg	U	1
n-Nitrosodi-n-Propylamine	BQL	376	ug/kg	U	1
n-Nitrosodiphenylamine	BQL	376	ug/kg	U	1

Summary of Analytical Results

Client ID AB0470
GPL ID: 9169-019-04-1
Matrix: Soil
Date Collected: Sep-27-2000
Date Received: Sep-28-2000

Prep Method: SW3550
Prep Date: Oct-03-2000
Prep Time: 17:06
Prep Chemist: Abel Moses

Analytical Method: SW8270CTCL
Date Analyzed: Oct-18-2000
Time Analyzed 15:41
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	387	ug/kg	U	1
1,2-Dichlorobenzene	BQL	387	ug/kg	U	1
1,3-Dichlorobenzene	BQL	387	ug/kg	U	1
1,4-Dichlorobenzene	BQL	387	ug/kg	U	1
2,2-Oxybis(1-Chloro)Propane	BQL	387	ug/kg	U	1
2,4,5-Trichlorophenol	BQL	387	ug/kg	U	1
2,4,6-Trichlorophenol	BQL	387	ug/kg	U	1
2,4-Dichlorophenol	BQL	387	ug/kg	U	1
2,4-Dimethylphenol	BQL	387	ug/kg	U	1
2,4-Dinitrophenol	BQL	775	ug/kg	U	1
2,4-Dinitrotoluene	BQL	387	ug/kg	U	1
2,6-Dinitrotoluene	BQL	387	ug/kg	U	1
2-Chloronaphthalene	BQL	387	ug/kg	U	1
2-Chlorophenol	BQL	387	ug/kg	U	1
2-Methylnaphthalene	BQL	387	ug/kg	U	1
2-Nitroaniline	BQL	387	ug/kg	U	1
2-Nitrophenol	BQL	387	ug/kg	U	1
2-methylphenol	BQL	387	ug/kg	U	1
3,3-Dichlorobenzidine	BQL	775	ug/kg	U	1
3-Nitroaniline	BQL	387	ug/kg	U	1
4,6-dinitro-2-methyl phenol	BQL	775	ug/kg	U	1
4-Bromophenyl-phenylether	BQL	387	ug/kg	U	1
4-Chloroaniline	BQL	387	ug/kg	U	1
4-Chlorophenyl Phenyl Ether	BQL	387	ug/kg	U	1
4-Nitroaniline	BQL	387	ug/kg	U	1
4-Nitrophenol	BQL	775	ug/kg	U	1
4-chloro-3-methylphenol	BQL	387	ug/kg	U	1
4-methylphenol	BQL	387	ug/kg	U	1
Acenaphthene	BQL	387	ug/kg	U	1
Acenaphthylene	BQL	387	ug/kg	U	1
Anthracene	BQL	387	ug/kg	U	1
Benzo(a)anthracene	BQL	387	ug/kg	U	1
Benzo(a)pyrene	BQL	387	ug/kg	U	1
Benzo(b)fluoranthene	BQL	387	ug/kg	U	1
Benzo(g,h,i)perylene	BQL	387	ug/kg	U	1
Benzo(k)fluoranthene	BQL	387	ug/kg	U	1
Benzyl Butyl Phthalate	BQL	387	ug/kg	U	1
Carbazole	BQL	387	ug/kg	U	1
Chrysene	BQL	387	ug/kg	U	1

Summary of Analytical Results

Client ID AB0470
GPL ID: 9169-019-04-1
Matrix: Soil
Date Collected: Sep-27-2000
Date Received: Sep-28-2000

Prep Method: SW3550
Prep Date: Oct-03-2000
Prep Time: 17:06
Prep Chemist: Abel Moses

Analytical Method: SW8270CTCL
Date Analyzed: Oct-18-2000
Time Analyzed 15:41
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	387	ug/kg	U	1
Dibenzofuran	BQL	387	ug/kg	U	1
Diethyl Phthalate	BQL	387	ug/kg	U	1
Dimethyl Phthalate	BQL	387	ug/kg	U	1
Fluoranthene	BQL	387	ug/kg	U	1
Fluorene	BQL	387	ug/kg	U	1
Hexachlorobenzene	BQL	387	ug/kg	U	1
Hexachlorobutadiene	BQL	387	ug/kg	U	1
Hexachlorocyclopentadiene	BQL	387	ug/kg	U	1
Hexachloroethane	BQL	387	ug/kg	U	1
Indeno(1,2,3-c,d)Pyrene	BQL	387	ug/kg	U	1
Isophorone	BQL	387	ug/kg	U	1
Naphthalene	BQL	387	ug/kg	U	1
Nitrobenzene	BQL	387	ug/kg	U	1
Pentachlorophenol	BQL	775	ug/kg	U	1
Phenanthrene	BQL	387	ug/kg	U	1
Phenol	BQL	387	ug/kg	U	1
Pyrene	BQL	387	ug/kg	U	1
bis(2-chloroethoxy) methane	BQL	387	ug/kg	U	1
bis(2-chloroethyl) ether	BQL	387	ug/kg	U	1
bis(2-ethylhexyl) phthalate	BQL	387	ug/kg	U	1
di-n-Butyl Phthalate	BQL	387	ug/kg	U	1
di-n-Octyl Phthalate	BQL	387	ug/kg	U	1
n-Nitrosodi-n-Propylamine	BQL	387	ug/kg	U	1
n-Nitrosodiphenylamine	BQL	387	ug/kg	U	1

2C
WATER SEMIVOLATILE SURROGATE RECOVERY

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBROOK

Lab Code: GPL Case No.: N/A SAS No.: N/A SDG No.: N/A

	Client SAMPLE NO.	S1 (2FP) #	S2 (PHL) #	S3 (NBZ) #	S4 (FBP) #	S5 (TBP) #	S6 (TPH) #	TOT OUT
01	BLK7132	44	54	67	69	81	85	0
02	BKS7132	45	55	64	66	89	81	0
03	AA3006	45	56	66	69	75	76	0
04	AA3006MS	43	56	66	71	88	60	0
05	AA3006MSD	47	61	72	75	100	82	0
06	AB3010	41	50	56	58	94	83	0
07	AB3010MS	39	54	65	69	92	87	0
08	AB3010MSD	9*	21	64	68	66	93	1
09	AB3011	41	52	62	63	96	86	0

HN 1025.00

				QC LIMITS
S1	(2FP)	=	2-Fluorophenol	(20-150)
S2	(PHL)	=	Phenol-d5	(30-150)
S3	(NBZ)	=	Nitrobenzene-d5	(20-137)
S4	(FBP)	=	2-Fluorobiphenyl	(23-110)
S5	(TBP)	=	2,4,6-Tribromophenol	(20-150)
S6	(TPH)	=	Terphenyl-d14	(20-138)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogate diluted out

2003

2D
SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBROOK

Lab Code: GPL Case No.: N/A SAS No.: N/A SDG No.: N/A

Level: (low/med) LOW

	Client SAMPLE NO.	S1 (2FP) #	S2 (PHL) #	S3 (NBZ) #	S4 (FBP) #	S5 (TBP) #	S6 (TPH) #	TOT OUT
01	BLK7146	75	86	93	103	140	115*	1
02	BKS7146	66	74	81	79	125	81	0
03	AB0470	47*	54	57	63	97	74	1
04	AB0465	58	66	71	78	134	79	0
05	AB0469	65	72	73	81	122	89	0
06	AB0429	56	66	63	74	128	79	0
07	AB0427	55	65	65	76	120	82	0
08	AB0455	59	68	67	71	130	78	0
09	AB0455MS	65	74	76	72	129	84	0
10	AB0455MSD	59	66	71	69	124	82	0
11	AB0464DL	56 11*	60 12*	61 12*	57 12*	118 12*	71 14*	0 6
12	AB0449DL	60 6*	69 7*	64 6*	63 6*	65 7*	74 7*	0 6
13	AB0451DL	62 6*	76 8*	76 8*	65 7*	71 7*	82 8*	0 6
14	AB0442DL	59 6*	69 7*	74 7*	63 6*	70 7*	77 8*	0 6
15	AB0452DL	61 6*	68 7*	73 7*	68 7*	72 7*	71 7*	0 6
16	AB0454DL	43 4*	57 6*	52 5*	49 5*	54 8*	50 5*	1 6
17	AB0463DL	61 30*	68 34	72 36	72 36*	100 50	91 45*	0 3

MW 1625-CD

				QC LIMITS
S1	(2FP)	=	2-Fluorophenol	(52-150)
S2	(PHL)	=	Phenol-d5	(20-150)
S3	(NBZ)	=	Nitrobenzene-d5	(26-150)
S4	(FBP)	=	2-Fluorobiphenyl	(41-128)
S5	(TBP)	=	2,4,6-Tribromophenol	(20-150)
S6	(TPH)	=	Terphenyl-d14	(52-110)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogate diluted out

2004

3C

WATER SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBROOK

Lab Code: GPL Case No.: N/A SAS No.: N/A SDG No.: N/A

Matrix Spike - EPA Sample No.: AA3006

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
Phenol	110	0.0	69	63	20 - 150
2-Chlorophenol	110	0.0	66	60	23 - 134
1,4-Dichlorobenzene	110	0.0	54	49	20 - 125
N-Nitroso-di-n-propylamine	110	0.0	81	74	20 - 150
1,2,4-Trichlorobenzene	110	0.0	62	56	23 - 114
4-Chloro-3-methylphenol	110	0.0	81	74	26 - 147
Acenaphthene	110	0.0	79	72	20 - 116
2,4-Dinitrotoluene	110	3.9	76	65	24 - 149
4-Nitrophenol	110	0.0	100	91	20 - 150
Pentachlorophenol	110	0.0	76	69	20 - 150
Pyrene	110	0.0	77	70	20 - 135

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Phenol	110	77	70	11	42	20 - 150
2-Chlorophenol	110	72	65	8	40	23 - 134
1,4-Dichlorobenzene	110	66	60	20	28	20 - 125
N-Nitroso-di-n-propylamine	110	85	77	4	38	20 - 150
1,2,4-Trichlorobenzene	110	71	65	15	28	23 - 114
4-Chloro-3-methylphenol	110	91	83	11	42	26 - 147
Acenaphthene	110	87	79	9	31	20 - 116
2,4-Dinitrotoluene	110	81	70	7	38	24 - 149
4-Nitrophenol	110	120	109	18	50	20 - 150
Pentachlorophenol	110	90	82	17	50	20 - 150
Pyrene	110	91	83	17	31	20 - 135

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 11 outside limits

Spike Recovery: 0 out of 22 outside limits

2005

COMMENTS:

3C

WATER SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBROOK

Lab Code: GPL Case No.: N/A SAS No.: N/A SDG No.: N/A

Matrix Spike - EPA Sample No.: AB3010

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
Phenol	250	0.0	150	60	20 - 150
2-Chlorophenol	250	0.0	150	60	23 - 134
1,4-Dichlorobenzene	250	0.0	140	56	20 - 125
N-Nitroso-di-n-propylamine	250	0.0	180	72	20 - 150
1,2,4-Trichlorobenzene	250	0.0	150	60	23 - 114
4-Chloro-3-methylphenol	250	0.0	190	76	26 - 147
Acenaphthene	250	0.0	190	76	20 - 116
2,4-Dinitrotoluene	250	4.1	170	68	24 - 149
4-Nitrophenol	250	0.0	240	96	20 - 150
Pentachlorophenol	250	0.0	180	72	20 - 150
Pyrene	250	0.0	220	88	20 - 135

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Phenol	250	60	24	86*	42	20 - 150
2-Chlorophenol	250	61	24	86*	40	23 - 134
1,4-Dichlorobenzene	250	150	60	7	28	20 - 125
N-Nitroso-di-n-propylamine	250	190	76	5	38	20 - 150
1,2,4-Trichlorobenzene	250	150	60	0	28	23 - 114
4-Chloro-3-methylphenol	250	140	56	30	42	26 - 147
Acenaphthene	250	190	76	0	31	20 - 116
2,4-Dinitrotoluene	250	160	64	6	38	24 - 149
4-Nitrophenol	250	12	5*	180*	50	20 - 150
Pentachlorophenol	250	65	26	94*	50	20 - 150
Pyrene	250	240	96	9	31	20 - 135

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 4 out of 11 outside limits

Spike Recovery: 1 out of 22 outside limits

2001

COMMENTS:

3D

SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBROOK

Lab Code: GPL Case No.: N/A SAS No.: N/A SDG No.: N/A

Matrix Spike - EPA Sample No.: AB0455 Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC LIMITS REC.
Phenol	3700	0.0	2800	76	75 - 150
2-Chlorophenol	3700	0.0	2800	76	31 - 129
1,4-Dichlorobenzene	3700	0.0	2600	70	25 - 122
N-Nitroso-di-n-propylamine	3700	0.0	3100	84	20 - 150
1,2,4-Trichlorobenzene	3700	0.0	2800	76	51 - 120
4-Chloro-3-methylphenol	3700	0.0	3900	105	34 - 125
Acenaphthene	3700	0.0	2600	70	46 - 135
2,4-Dinitrotoluene	3700	1700	4500	76	38 - 137
4-Nitrophenol	3700	0.0	5600	151 *	20 - 150
Pentachlorophenol	3700	0.0	3100	84	32 - 137
Pyrene	3700	0.0	2700	73	24 - 144

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Phenol	3700	2600	70 *	8	35	75 - 150
2-Chlorophenol	3700	2500	68	11	50	31 - 129
1,4-Dichlorobenzene	3700	2500	68	3	27	25 - 122
N-Nitroso-di-n-propylamine	3700	2900	78	7	38	20 - 150
1,2,4-Trichlorobenzene	3700	2700	73	4	23	51 - 120
4-Chloro-3-methylphenol	3700	3800	103	2	33	34 - 125
Acenaphthene	3700	2700	73	4	19	46 - 135
2,4-Dinitrotoluene	3700	5000	89	16	47	38 - 137
4-Nitrophenol	3700	5500	149	1	50	20 - 150
Pentachlorophenol	3700	3000	81	4	47	32 - 137
Pyrene	3700	2800	76	4	36	24 - 144

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 11 outside limits

Spike Recovery: 2 out of 22 outside limits

2007

COMMENTS:

3F
WATER LABORATORY CONTROL SPIKE RECOVERY

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBROOK

Lab Code: GPL Case No.: N/A SDG No.: N/A

EPA Sample No.: BKS7132 CLIENT ID: BKS7132

DATE EXTRACTED: 10/3/00 WORK ORDER NO: 00-09-169

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC		INTERNAL QC LIMITS
Phenol	100	60	60		30-100
2-Chlorophenol	100	59	59	*	67-105
1,4-Dichlorobenzene	100	55	55		43-101
N-Nitroso-Di-n-Propylamine	100	71	71		43-150
1,2,4-Trichlorobenzene	100	56	56		51-100
4-Chloro-3-methylphenol	100	74	74		61-125
Acenaphthene	100	70	70		35-125
2,4-Dinitrotoluene	100	64	64	*	66-123
4-Nitrophenol	100	86	86		20-150
Pentachlorophenol	100	61	61		43-150
Pyrene	100	81	81		56-116

COMMENTS:

FORM III BNA-LCS

3F

SOIL LABORATORY CONTROL SPIKE RECOVERY

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBROOK

Lab Code: GPL SDG No.: N/A

EPA Sample No.: BKS7146 CLIENT ID: BKS7146

DATE EXTRACTED: 10/3/00 WORK ORDER NO: 00-09-169

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	INTERNAL QC LIMITS
Phenol	3300	2800	85	47-111
2-Chlorophenol	3300	2800	85	52-124
1,4-Dichlorobenzene	3300	2800	85	52-112
N-Nitroso-Di-n-Propylamine	3300	3000	91	70-150
1,2,4-Trichlorobenzene	3300	3000	91	63-112
4-Chloro-3-methylphenol	3300	3400	103	63-125
Acenaphthene	3300	2600	79	45-104
2,4-Dinitrotoluene	3300	3100	94	56-133
4-Nitrophenol	3300	5400	164 *	44-150
Pentachlorophenol	3300	3200	97	27-142
Pyrene	3300	2600	79	56-106

*Values outside internal limits

COMMENTS:

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

BLK7132

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBRO

Lab Code: GPL Case No.: N/A SAS No.: N/A SDG No.: N/A

Lab File ID: P09237.D Lab Sample ID: BLK7132

Instrument ID: HP#P Date Extracted: 10/03/00

Matrix: (soil/water) WATER Date Analyzed: 10/14/00

Level: (low/med) LOW Time Analyzed: 17:52

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	Client SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	BKS7132	BKS7132	P09238.D	10/14/00
02	AA3006	9169-002-06-1	P09239.D	10/14/00
03	AA3006MS	9169-002-06-1MS	P09240.D	10/14/00
04	AA3006MSD	9169-002-06-1MSD	P09241.D	10/14/00
05	AB3010	9169-020-07-1/2	P09242.D	10/14/00
06	AB3010MS	9169-020-07-1/2MS	P09243.D	10/14/00
07	AB3010MSD	9169-020-07-1/2MSD	P09244.D	10/14/00
08	AB3011	9169-023-07-1/2	P09245.D	10/14/00

COMMENTS:

2010

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

BLK7146

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBRO

Lab Code: GPL Case No.: N/A SAS No.: N/A SDG No.: N/A

Lab File ID: P09317.D Lab Sample ID: BLK7146

Instrument ID: HP#P Date Extracted: 10/03/00

Matrix: (soil/water) SOIL Date Analyzed: 10/18/00

Level: (low/med) LOW Time Analyzed: 14:32

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	Client SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	BKS7146	BKS7146	P09318.D	10/18/00
02	AB0470	9169-019-04-1	P09319.D	10/18/00
03	AB0465	9169-017-04-1	P09320.D	10/18/00
04	AB0469	9169-018-04-1	P09321.D	10/18/00
05	AB0429	9169-006-04-1	P09323.D	10/18/00
06	AB0427	9169-005-04-1	P09324.D	10/18/00
07	AB0455	9169-012-04-1	P09325.D	10/18/00
08	AB0455MS	9169-012-04-1MS	P09326.D	10/18/00
09	AB0455MSD	9169-012-04-1MSD	P09327.D	10/18/00
10	AB0464DL	9169-016-04-1DL	P09328.D	10/18/00
11	AB0449DL	9169-008-04-1DL	P09336.D	10/19/00
12	AB0451DL	9169-009-04-1DL	P09337.D	10/19/00
13	AB0442DL	9169-007-04-1DL	P09338.D	10/19/00
14	AB0452DL	9169-010-04-1DL	P09339.D	10/19/00
15	AB0454DL	9169-011-04-1DL	P09340.D	10/19/00
16	AB0463DL	9169-015-04-1DL	P09341.D	10/19/00

COMMENTS:

2011

Summary of Analytical Results

Client ID AA3006
GPL ID: 9169-002-04-1
Matrix: Water
Date Collected: Sep-27-2000
Date Received: Sep-28-2000

Prep Method: EXT_SW8330
Prep Date: Sep-29-2000
Prep Time: 20:39
Prep Chemist: Reynaldo Caraan

Analytical Method: SW8330
Date Analyzed: Oct-02-2000
Time Analyzed 14:51
Analyst: Dayuan Han

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	7.93	0.26	ug/L		1
1,3-Dinitrobenzene	0.654	0.26	ug/L		1
2,4-Dinitrotoluene	24.6	0.26	ug/L		1
2,6-Dinitrotoluene	BQL	0.26	ug/L	U	1
HMX	BQL	0.52	ug/L	U	1
Nitrobenzene	BQL	0.26	ug/L	U	1
RDX	BQL	0.52	ug/L	U	1
Tetryl	BQL	0.52	ug/L	U	1
m-Nitrotoluene	BQL	0.52	ug/L	U	1
o-Nitrotoluene	BQL	0.52	ug/L	U	1
p-Nitrotoluene	BQL	0.52	ug/L	U	1

Summary of Analytical Results

Client ID AA3006
GPL ID: 9169-002-04-1
Matrix: Water
Date Collected: Sep-27-2000
Date Received: Sep-28-2000

Prep Method: EXT_SW8330
Prep Date: Sep-29-2000
Prep Time: 20:39
Prep Chemist: Reynaldo Caraan

Analytical Method: SW8330
Date Analyzed: Oct-02-2000
Time Analyzed 21:42
Analyst: Dayuan Han

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
2,4,6-Trinitrotoluene	32400	0.26	ug/L		500
2-Amino-4,6-Dinitrotoluene	217	0.26	ug/L		500
4-Amino-2,6-Dinitrotoluene	230	0.26	ug/L		500

Summary of Analytical Results

Client ID AB0427
GPL ID: 9169-005-04-1
Matrix: Soil
Date Collected: Sep-27-2000
Date Received: Sep-28-2000

Prep Method: EXT_SW8330
Prep Date: Oct-02-2000
Prep Time: 07:58
Prep Chemist: Shila Soleimani

Analytical Method: SW8330
Date Analyzed: Oct-14-2000
Time Analyzed 06:25
Analyst: Shukla Sarker

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	BQL	100	ug/kg	U	1
1,3-Dinitrobenzene	BQL	100	ug/kg	U	1
2,4,6-Trinitrotoluene	231	100	ug/kg		1
2,4-Dinitrotoluene	313	100	ug/kg		1
2,6-Dinitrotoluene	BQL	100	ug/kg	U	1
2-Amino-4,6-Dinitrotoluene	88.5	100	ug/kg	J	1
4-Amino-2,6-Dinitrotoluene	103	100	ug/kg		1
HMX	BQL	200	ug/kg	U	1
Nitrobenzene	BQL	100	ug/kg	U	1
RDX	BQL	200	ug/kg	U	1
Tetryl	BQL	200	ug/kg	U	1
m-Nitrotoluene	BQL	200	ug/kg	U	1
o-Nitrotoluene	BQL	200	ug/kg	U	1
p-Nitrotoluene	BQL	200	ug/kg	U	1

Summary of Analytical Results

Client ID AB0429
GPL ID: 9169-006-04-1
Matrix: Soil
Date Collected: Sep-27-2000
Date Received: Sep-28-2000

Prep Method: EXT_SW8330
Prep Date: Oct-02-2000
Prep Time: 07:58
Prep Chemist: Shila Soleimani

Analytical Method: SW8330
Date Analyzed: Oct-14-2000
Time Analyzed 06:54
Analyst: Shukla Sarker

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	BQL	95.2	ug/kg	U	1
1,3-Dinitrobenzene	BQL	95.2	ug/kg	U	1
2,4,6-Trinitrotoluene	164	95.2	ug/kg		1
2,4-Dinitrotoluene	451	95.2	ug/kg		1
2,6-Dinitrotoluene	BQL	95.2	ug/kg	U	1
2-Amino-4,6-Dinitrotoluene	53.8	95.2	ug/kg	J	1
4-Amino-2,6-Dinitrotoluene	72.1	95.2	ug/kg	J	1
HMX	BQL	190	ug/kg	U	1
Nitrobenzene	BQL	95.2	ug/kg	U	1
RDX	BQL	190	ug/kg	U	1
Tetryl	BQL	190	ug/kg	U	1
m-Nitrotoluene	BQL	190	ug/kg	U	1
o-Nitrotoluene	BQL	190	ug/kg	U	1
p-Nitrotoluene	BQL	190	ug/kg	U	1

Summary of Analytical Results

Client ID AB0442
GPL ID: 9169-007-04-1
Matrix: Soil
Date Collected: Sep-27-2000
Date Received: Sep-28-2000

Prep Method: EXT_SW8330
Prep Date: Oct-02-2000
Prep Time: 07:58
Prep Chemist: Shila Soleimani

Analytical Method: SW8330
Date Analyzed: Oct-18-2000
Time Analyzed 02:33
Analyst: Shukla Sarker

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
2,4,6-Trinitrotoluene	1343000	100	ug/kg		100

Summary of Analytical Results

Client ID AB0442
GPL ID: 9169-007-04-1
Matrix: Soil
Date Collected: Sep-27-2000
Date Received: Sep-28-2000

Prep Method: EXT_SW8330
Prep Date: Oct-02-2000
Prep Time: 07:58
Prep Chemist: Shila Soleimani

Analytical Method: SW8330
Date Analyzed: Oct-14-2000
Time Analyzed 07:22
Analyst: Shukla Sarker

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	7930	100	ug/kg		1
1,3-Dinitrobenzene	BQL	100	ug/kg	U	1
2,4-Dinitrotoluene	5630	100	ug/kg		1
2,6-Dinitrotoluene	BQL	100	ug/kg	U	1
2-Amino-4,6-Dinitrotoluene	11900	100	ug/kg		1
4-Amino-2,6-Dinitrotoluene	7280	100	ug/kg		1
HMX	BQL	200	ug/kg	U	1
Nitrobenzene	96.6	100	ug/kg	J	1
RDX	BQL	200	ug/kg	U	1
Tetryl	626	200	ug/kg		1
m-Nitrotoluene	1280	200	ug/kg		1
o-Nitrotoluene	BQL	200	ug/kg	U	1
p-Nitrotoluene	BQL	200	ug/kg	U	1

Summary of Analytical Results

Client ID AB0449
GPL ID: 9169-008-04-1
Matrix: Soil
Date Collected: Sep-27-2000
Date Received: Sep-28-2000

Prep Method: EXT_SW8330
Prep Date: Oct-02-2000
Prep Time: 07:58
Prep Chemist: Shila Soleimani

Analytical Method: SW8330
Date Analyzed: Oct-18-2000
Time Analyzed 03:02
Analyst: Shukla Sarker

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
2,4,6-Trinitrotoluene	952000	87	ug/kg		100

Summary of Analytical Results

Client ID AB0449
GPL ID: 9169-008-04-1
Matrix: Soil
Date Collected: Sep-27-2000
Date Received: Sep-28-2000

Prep Method: EXT_SW8330
Prep Date: Oct-02-2000
Prep Time: 07:58
Prep Chemist: Shila Soleimani

Analytical Method: SW8330
Date Analyzed: Oct-14-2000
Time Analyzed 08:19
Analyst: Shukla Sarker

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	1160	87	ug/kg		1
1,3-Dinitrobenzene	72.7	87	ug/kg	J	1
2,4-Dinitrotoluene	974	87	ug/kg		1
2,6-Dinitrotoluene	BQL	87	ug/kg	U	1
2-Amino-4,6-Dinitrotoluene	3810	87	ug/kg		1
4-Amino-2,6-Dinitrotoluene	2910	87	ug/kg		1
HMX	BQL	174	ug/kg	U	1
Nitrobenzene	335	87	ug/kg		1
RDX	BQL	174	ug/kg	U	1
Tetryl	BQL	174	ug/kg	U	1
m-Nitrotoluene	177	174	ug/kg		1
o-Nitrotoluene	BQL	174	ug/kg	U	1
p-Nitrotoluene	BQL	174	ug/kg	U	1

Summary of Analytical Results

Client ID AB0451
GPL ID: 9169-009-04-1
Matrix: Soil
Date Collected: Sep-27-2000
Date Received: Sep-28-2000

Prep Method: EXT_SW8330
Prep Date: Oct-02-2000
Prep Time: 07:58
Prep Chemist: Shila Soleimani

Analytical Method: SW8330
Date Analyzed: Oct-18-2000
Time Analyzed 03:30
Analyst: Shukla Sarker

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
2,4,6-Trinitrotoluene	681000	100	ug/kg		100

Summary of Analytical Results

Client ID AB0451
GPL ID: 9169-009-04-1
Matrix: Soil
Date Collected: Sep-27-2000
Date Received: Sep-28-2000

Prep Method: EXT_SW8330
Prep Date: Oct-02-2000
Prep Time: 07:58
Prep Chemist: Shila Soleimani

Analytical Method: SW8330
Date Analyzed: Oct-14-2000
Time Analyzed 10:13
Analyst: Shukla Sarker

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	966	100	ug/kg		1
1,3-Dinitrobenzene	82.9	100	ug/kg	J	1
2,4-Dinitrotoluene	570	100	ug/kg		1
2,6-Dinitrotoluene	BQL	100	ug/kg	U	1
2-Amino-4,6-Dinitrotoluene	3770	100	ug/kg		1
4-Amino-2,6-Dinitrotoluene	4780	100	ug/kg		1
HMX	BQL	200	ug/kg	U	1
Nitrobenzene	283	100	ug/kg		1
RDX	BQL	200	ug/kg	U	1
Tetryl	BQL	200	ug/kg	U	1
m-Nitrotoluene	462	200	ug/kg		1
o-Nitrotoluene	BQL	200	ug/kg	U	1
p-Nitrotoluene	BQL	200	ug/kg	U	1

Summary of Analytical Results

Client ID AB0452
GPL ID: 9169-010-04-1
Matrix: Soil
Date Collected: Sep-27-2000
Date Received: Sep-28-2000

Prep Method: EXT_SW8330
Prep Date: Oct-02-2000
Prep Time: 07:58
Prep Chemist: Shila Soleimani

Analytical Method: SW8330
Date Analyzed: Oct-14-2000
Time Analyzed 10:42
Analyst: Shukla Sarker

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	5480	83.3	ug/kg		1
1,3-Dinitrobenzene	336	83.3	ug/kg		1
2,4-Dinitrotoluene	11300	83.3	ug/kg		1
2,6-Dinitrotoluene	BQL	83.3	ug/kg	U	1
2-Amino-4,6-Dinitrotoluene	BQL	83.3	ug/kg	U	1
4-Amino-2,6-Dinitrotoluene	BQL	83.3	ug/kg	U	1
HMX	BQL	167	ug/kg	U	1
Nitrobenzene	126	83.3	ug/kg		1
RDX	BQL	167	ug/kg	U	1
Tetryl	BQL	167	ug/kg	U	1
m-Nitrotoluene	BQL	167	ug/kg	U	1
o-Nitrotoluene	BQL	167	ug/kg	U	1
p-Nitrotoluene	BQL	167	ug/kg	U	1

Summary of Analytical Results

Client ID AB0452
GPL ID: 9169-010-04-1
Matrix: Soil
Date Collected: Sep-27-2000
Date Received: Sep-28-2000

Prep Method: EXT_SW8330
Prep Date: Oct-02-2000
Prep Time: 07:58
Prep Chemist: Shila Soleimani

Analytical Method: SW8330
Date Analyzed: Oct-23-2000
Time Analyzed 18:07
Analyst: Shukla Sarker

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
2,4,6-Trinitrotoluene	27553000	83.3	ug/kg		2000

Summary of Analytical Results

Client ID AB0454
GPL ID: 9169-011-04-1
Matrix: Soil
Date Collected: Sep-27-2000
Date Received: Sep-28-2000

Prep Method: EXT_SW8330
Prep Date: Oct-02-2000
Prep Time: 07:58
Prep Chemist: Shila Soleimani

Analytical Method: SW8330
Date Analyzed: Oct-18-2000
Time Analyzed 04:56
Analyst: Shukla Sarker

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
2,4-Dinitrotoluene	22100	100	ug/kg		100

Summary of Analytical Results

Client ID AB0454
GPL ID: 9169-011-04-1
Matrix: Soil
Date Collected: Sep-27-2000
Date Received: Sep-28-2000

Prep Method: EXT_SW8330
Prep Date: Oct-02-2000
Prep Time: 07:58
Prep Chemist: Shila Soleimani

Analytical Method: SW8330
Date Analyzed: Oct-14-2000
Time Analyzed 11:39
Analyst: Shukla Sarker

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	10100	100	ug/kg		1
1,3-Dinitrobenzene	566	100	ug/kg		1
2,6-Dinitrotoluene	BQL	100	ug/kg	U	1
2-Amino-4,6-Dinitrotoluene	BQL	100	ug/kg	U	1
4-Amino-2,6-Dinitrotoluene	BQL	100	ug/kg	U	1
HMX	BQL	200	ug/kg	U	1
Nitrobenzene	227	100	ug/kg		1
RDX	BQL	200	ug/kg	U	1
Tetryl	BQL	200	ug/kg	U	1
m-Nitrotoluene	BQL	200	ug/kg	U	1
o-Nitrotoluene	BQL	200	ug/kg	U	1
p-Nitrotoluene	BQL	200	ug/kg	U	1

Summary of Analytical Results

Client ID AB0454
GPL ID: 9169-011-04-1
Matrix: Soil
Date Collected: Sep-27-2000
Date Received: Sep-28-2000

Prep Method: EXT_SW8330
Prep Date: Oct-02-2000
Prep Time: 07:58
Prep Chemist: Shila Soleimani

Analytical Method: SW8330
Date Analyzed: Oct-23-2000
Time Analyzed 18:35
Analyst: Shukla Sarker

Parameter	*Result*	*Rep Limit*	*Units*	*Qualifier*	*D.F.*
2,4,6-Trinitrotoluene	54969000	100	ug/kg		10000

Summary of Analytical Results

Client ID AB0455
GPL ID: 9169-012-04-1
Matrix: Soil
Date Collected: Sep-27-2000
Date Received: Sep-28-2000

Prep Method: EXT_SW8330
Prep Date: Oct-02-2000
Prep Time: 07:58
Prep Chemist: Shila Soleimani

Analytical Method: SW8330
Date Analyzed: Oct-14-2000
Time Analyzed 12:36
Analyst: Shukla Sarker

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	BQL	80	ug/kg	U	1
1,3-Dinitrobenzene	BQL	80	ug/kg	U	1
2,4,6-Trinitrotoluene	1350	80	ug/kg		1
2,4-Dinitrotoluene	781	80	ug/kg		1
2,6-Dinitrotoluene	BQL	80	ug/kg	U	1
2-Amino-4,6-Dinitrotoluene	948	80	ug/kg		1
4-Amino-2,6-Dinitrotoluene	588	80	ug/kg		1
HMX	BQL	160	ug/kg	U	1
Nitrobenzene	BQL	80	ug/kg	U	1
RDX	BQL	160	ug/kg	U	1
Tetryl	BQL	160	ug/kg	U	1
m-Nitrotoluene	BQL	160	ug/kg	U	1
o-Nitrotoluene	BQL	160	ug/kg	U	1
p-Nitrotoluene	BQL	160	ug/kg	U	1

Summary of Analytical Results

Client ID AB0463
GPL ID: 9169-015-04-1
Matrix: Soil
Date Collected: Sep-27-2000
Date Received: Sep-28-2000

Prep Method: EXT_SW8330
Prep Date: Oct-02-2000
Prep Time: 07:58
Prep Chemist: Shila Soleimani

Analytical Method: SW8330
Date Analyzed: Oct-14-2000
Time Analyzed 14:01
Analyst: Shukla Sarker

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	205	95.2	ug/kg		1
1,3-Dinitrobenzene	BQL	95.2	ug/kg	U	1
2,4,6-Trinitrotoluene	5260	95.2	ug/kg		1
2,4-Dinitrotoluene	3500	95.2	ug/kg		1
2,6-Dinitrotoluene	BQL	95.2	ug/kg	U	1
2-Amino-4,6-Dinitrotoluene	3610	95.2	ug/kg		1
4-Amino-2,6-Dinitrotoluene	934	95.2	ug/kg		1
HMX	BQL	190	ug/kg	U	1
Nitrobenzene	BQL	95.2	ug/kg	U	1
RDX	BQL	190	ug/kg	U	1
Tetryl	BQL	190	ug/kg	U	1
m-Nitrotoluene	275	190	ug/kg		1
o-Nitrotoluene	270	190	ug/kg		1
p-Nitrotoluene	BQL	190	ug/kg	U	1

Summary of Analytical Results

Client ID AB0464
GPL ID: 9169-016-04-1
Matrix: Soil
Date Collected: Sep-27-2000
Date Received: Sep-28-2000

Prep Method: EXT_SW8330
Prep Date: Oct-02-2000
Prep Time: 07:58
Prep Chemist: Shila Soleimani

Analytical Method: SW8330
Date Analyzed: Oct-14-2000
Time Analyzed 14:30
Analyst: Shukla Sarker

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	507	95.2	ug/kg		1
1,3-Dinitrobenzene	BQL	95.2	ug/kg	U	1
2,4,6-Trinitrotoluene	15100	95.2	ug/kg		1
2,4-Dinitrotoluene	16800	95.2	ug/kg		1
2,6-Dinitrotoluene	BQL	95.2	ug/kg	U	1
2-Amino-4,6-Dinitrotoluene	10300	95.2	ug/kg		1
4-Amino-2,6-Dinitrotoluene	896	95.2	ug/kg		1
HMX	BQL	190	ug/kg	U	1
Nitrobenzene	BQL	95.2	ug/kg	U	1
RDX	BQL	190	ug/kg	U	1
Tetryl	BQL	190	ug/kg	U	1
m-Nitrotoluene	328	190	ug/kg		1
o-Nitrotoluene	2800	190	ug/kg		1
p-Nitrotoluene	1470	190	ug/kg		1

Summary of Analytical Results

Client ID AB0465
GPL ID: 9169-017-04-1
Matrix: Soil
Date Collected: Sep-27-2000
Date Received: Sep-28-2000

Prep Method: EXT_SW8330
Prep Date: Oct-02-2000
Prep Time: 07:58
Prep Chemist: Shila Soleimani

Analytical Method: SW8330
Date Analyzed: Oct-14-2000
Time Analyzed 15:55
Analyst: Shukla Sarker

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	BQL	95.2	ug/kg	U	1
1,3-Dinitrobenzene	BQL	95.2	ug/kg	U	1
2,4,6-Trinitrotoluene	119	95.2	ug/kg		1
2,4-Dinitrotoluene	BQL	95.2	ug/kg	U	1
2,6-Dinitrotoluene	BQL	95.2	ug/kg	U	1
2-Amino-4,6-Dinitrotoluene	BQL	95.2	ug/kg	U	1
4-Amino-2,6-Dinitrotoluene	BQL	95.2	ug/kg	U	1
HMX	BQL	190	ug/kg	U	1
Nitrobenzene	BQL	95.2	ug/kg	U	1
RDX	BQL	190	ug/kg	U	1
Tetryl	BQL	190	ug/kg	U	1
m-Nitrotoluene	BQL	190	ug/kg	U	1
o-Nitrotoluene	BQL	190	ug/kg	U	1
p-Nitrotoluene	BQL	190	ug/kg	U	1

Summary of Analytical Results

Client ID AB0469
GPL ID: 9169-018-04-1
Matrix: Soil
Date Collected: Sep-27-2000
Date Received: Sep-28-2000

Prep Method: EXT_SW8330
Prep Date: Oct-02-2000
Prep Time: 07:58
Prep Chemist: Shila Soleimani

Analytical Method: SW8330
Date Analyzed: Oct-14-2000
Time Analyzed 16:24
Analyst: Shukla Sarker

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	61.6	100	ug/kg	J	1
1,3-Dinitrobenzene	BQL	100	ug/kg	U	1
2,4,6-Trinitrotoluene	213	100	ug/kg		1
2,4-Dinitrotoluene	257	100	ug/kg		1
2,6-Dinitrotoluene	BQL	100	ug/kg	U	1
2-Amino-4,6-Dinitrotoluene	911	100	ug/kg		1
4-Amino-2,6-Dinitrotoluene	589	100	ug/kg		1
HMX	BQL	200	ug/kg	U	1
Nitrobenzene	BQL	100	ug/kg	U	1
RDX	BQL	200	ug/kg	U	1
Tetryl	BQL	200	ug/kg	U	1
m-Nitrotoluene	BQL	200	ug/kg	U	1
o-Nitrotoluene	BQL	200	ug/kg	U	1
p-Nitrotoluene	BQL	200	ug/kg	U	1

Summary of Analytical Results

Client ID AB0470
GPL ID: 9169-019-04-1
Matrix: Soil
Date Collected: Sep-27-2000
Date Received: Sep-28-2000

Prep Method: EXT_SW8330
Prep Date: Oct-02-2000
Prep Time: 07:58
Prep Chemist: Shila Soleimani

Analytical Method: SW8330
Date Analyzed: Oct-14-2000
Time Analyzed 16:52
Analyst: Shukla Sarker

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	BQL	100	ug/kg	U	1
1,3-Dinitrobenzene	BQL	100	ug/kg	U	1
2,4,6-Trinitrotoluene	95.6	100	ug/kg	J	1
2,4-Dinitrotoluene	156	100	ug/kg		1
2,6-Dinitrotoluene	BQL	100	ug/kg	U	1
2-Amino-4,6-Dinitrotoluene	182	100	ug/kg		1
4-Amino-2,6-Dinitrotoluene	192	100	ug/kg		1
HMX	BQL	200	ug/kg	U	1
Nitrobenzene	BQL	100	ug/kg	U	1
RDX	BQL	200	ug/kg	U	1
Tetryl	BQL	200	ug/kg	U	1
m-Nitrotoluene	BQL	200	ug/kg	U	1
o-Nitrotoluene	BQL	200	ug/kg	U	1
p-Nitrotoluene	BQL	200	ug/kg	U	1

Summary of Analytical Results

Client ID AB3010
GPL ID: 9169-020-04-1/2
Matrix: Water
Date Collected: Sep-27-2000
Date Received: Sep-28-2000

Prep Method: EXT_SW8330
Prep Date: Sep-29-2000
Prep Time: 20:39
Prep Chemist: Reynaldo Caraan

Analytical Method: SW8330
Date Analyzed: Oct-02-2000
Time Analyzed 17:42
Analyst: Dayuan Han

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	BQL	0.26	ug/L	U	1
1,3-Dinitrobenzene	BQL	0.26	ug/L	U	1
2,4,6-Trinitrotoluene	9.70	0.26	ug/L		1
2,4-Dinitrotoluene	7.90	0.26	ug/L		1
2,6-Dinitrotoluene	BQL	0.26	ug/L	U	1
2-Amino-4,6-Dinitrotoluene	15.1	0.26	ug/L		1
4-Amino-2,6-Dinitrotoluene	21.1	0.26	ug/L		1
HMX	BQL	0.52	ug/L	U	1
Nitrobenzene	BQL	0.26	ug/L	U	1
RDX	BQL	0.52	ug/L	U	1
Tetryl	BQL	0.52	ug/L	U	1
m-Nitrotoluene	0.481	0.52	ug/L	J	1
o-Nitrotoluene	2.61	0.52	ug/L		1
p-Nitrotoluene	0.396	0.52	ug/L	J	1

Summary of Analytical Results

Client ID AB3011
GPL ID: 9169-023-04-1/2
Matrix: Water
Date Collected: Sep-27-2000
Date Received: Sep-28-2000

Prep Method: EXT_SW8330
Prep Date: Sep-29-2000
Prep Time: 20:39
Prep Chemist: Reynaldo Caraan

Analytical Method: SW8330
Date Analyzed: Oct-02-2000
Time Analyzed 19:19
Analyst: Dayuan Han

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	BQL	0.26	ug/L	U	1
1,3-Dinitrobenzene	BQL	0.26	ug/L	U	1
2,4,6-Trinitrotoluene	4.65	0.26	ug/L		1
2,4-Dinitrotoluene	5.90	0.26	ug/L		1
2,6-Dinitrotoluene	BQL	0.26	ug/L	U	1
2-Amino-4,6-Dinitrotoluene	13.1	0.26	ug/L		1
4-Amino-2,6-Dinitrotoluene	18.1	0.26	ug/L		1
HMX	BQL	0.52	ug/L	U	1
Nitrobenzene	BQL	0.26	ug/L	U	1
RDX	BQL	0.52	ug/L	U	1
Tetryl	BQL	0.52	ug/L	U	1
m-Nitrotoluene	0.367	0.52	ug/L	J	1
o-Nitrotoluene	2.26	0.52	ug/L		1
p-Nitrotoluene	0.429	0.52	ug/L	J	1

2D
SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBROOK

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Level: (low/med) LOW

	Client SAMPLE NO.	S1 #	TOT OUT
01	NBLKA	84	0
02	NLCSA	81	0
03	AB0427	91	0
04	AB0429	90	0
05	AB0442	61	0
06	AB0449	34	0
07	AB0451	37	0
08	AB0452	80	0
09	AB0454	34	0
10	AB0455	95	0
11	AB0455 MS	91	0
12	AB0455 MSD	87	0
13	AB0463	93	0
14	AB0464	97	0
15	AB0465	90	0
16	AB0469	87	0
17	AB0470	86	0
18	AB0442 DIL	D	1
19	AB0449 DIL	D	1
20	AB0451 DIL	D	1
21	AB0454 DIL	D	1
22	AB0452 DIL	D	1
23	AB0454 DIL2	D	1

C 10-1400

S1 = 4-NITROANILINE QC LIMITS (24-140)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogate diluted out

4003

2C
WATER EXPLOSIVES SURROGATE RECOVERY

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBROOK

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

	CLIENT SAMPLE NO.	S1 #	TOT OUT
01	NBLKB	95	0
02	NLCSB	96	0
03	AA3006	63	0
04	AA3006 MS	40	0
05	AA3006 MSD	49	0
06	AB3010	64	0
07	AB3010 MS	61	0
08	AB3010 MSD	51	0
09	AB3011	63	0
10	AA3006 DIL	D	

C 10-21-00

			QC LIMITS
S1	=	4-NITROANILINE	(22-98)

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate diluted out

4004

3D

SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBROOK

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Matrix Spike - EPA Sample No.: AB0455 Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC LIMITS REC.
HMX	3000	0.0	2700	90	70 - 113
1,3,5-TRINITROBENZENE	3000	0.0	1600	53	20 - 150
TETRYL	3000	0.0	2700	90	20 - 103
2,4,6-TRINITROTOLUENE	1500	1400	13000	800 *	46 - 150
4-AMINO-2,6-DINITROTOLU	1500	590	3900	220 *	39 - 136
4-NITROTOLUENE	3000	0.0	2700	90	72 - 114
RDX	3000	0.0	2800	93	70 - 124
1,3-DINITROBENZENE	1500	0.0	1600	107	70 - 127
NITROBENZENE	1500	0.0	1400	93	70 - 120
2-AMINO-4,6-DINITROTOLU	1500	950	5700	313 *	43 - 150
2,4-DINITROTOLUENE	3000	780	17000	533 *	56 - 100
2-NITROTOLUENE	3000	0.0	2800	93	70 - 116
3-NITROTOLUENE	3000	0.0	2800	93	70 - 109

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
HMX	3000	2600	87	3	25	70 - 113
1,3,5-TRINITROBENZENE	3000	1500	50	6	25	20 - 150
TETRYL	3000	2500	83	8	25	20 - 103
2,4,6-TRINITROTOLUENE	1500	6700	353 *	78 *	25	46 - 150
4-AMINO-2,6-DINITROTOLU	1500	2800	147 *	40 *	25	39 - 136
4-NITROTOLUENE	3000	2600	87	3	25	72 - 114
RDX	3000	2600	87	7	25	70 - 124
1,3-DINITROBENZENE	1500	1400	93	14	25	70 - 127
NITROBENZENE	1500	1300	87	7	25	70 - 120
2-AMINO-4,6-DINITROTOLU	1500	4300	227 *	34 *	25	43 - 150
2,4-DINITROTOLUENE	3000	6200	180 *	99 *	25	56 - 100
2-NITROTOLUENE	3000	2600	87	7	25	70 - 116

 # Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 4 out of 13 outside limits

Spike Recovery: 8 out of 26 outside limits

COMMENTS:

4005

3D

SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBROOK

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Matrix Spike - EPA Sample No.: AB0455 Level: (low/med) LOW

3-NITROTOLUENE	3000	2700	90	3	25	70 - 109

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 0 outside limits

Spike Recovery: 0 out of 0 outside limits

COMMENTS:

4006

3C

WATER EXPLOSIVES MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBROOK

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Matrix Spike - EPA Sample No.: AA3006

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
HMX	7.8	0.0	5.6	72	56 - 116
1,3,5-TRINITROBENZENE	3.9	7.9	6.5	0 *	26 - 150
TETRYL	7.8	0.0	7.4	95	20 - 143
2,4,6-TRINITROTOLUENE	3.9	3500	2700	0 *	38 - 157
4-AMINO-2,6-DINITROTOLU	3.9	200	98	0 *	60 - 128
RDX	7.8	0.0	7.3	94	41 - 121
1,3-DINITROBENZENE	3.9	0.65	3.4	69	50 - 115
NITROBENZENE	3.9	0.0	5.5	141 *	52 - 113
2-AMINO-4,6-DINITROTOLU	3.9	220	130	0 *	51 - 120
2,4-DINITROTOLUENE	7.8	25	9.0	0 *	48 - 97
4-NITROTOLUENE	7.8	0.0	5.4	69	41 - 128
2-NITROTOLUENE	7.8	0.0	6.3	81	45 - 125
3-NITROTOLUENE	7.8	0.0	6.5	83	50 - 117

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
HMX	7.8	7.8	100	33 *	25	56 - 116
1,3,5-TRINITROBENZENE	3.9	12	105	200 *	25	26 - 150
TETRYL	7.8	2.2	28	109 *	25	20 - 143
2,4,6-TRINITROTOLUENE	3.9	3500	0 *	0	25	38 - 157
4-AMINO-2,6-DINITROTOLU	3.9	220	513 *	200 *	25	60 - 128
RDX	7.8	8.3	106	12	25	41 - 121
1,3-DINITROBENZENE	3.9	4.3	92	24	25	50 - 115
NITROBENZENE	3.9	3.2	82	53 *	25	52 - 113
2-AMINO-4,6-DINITROTOLU	3.9	230	256 *	200 *	25	51 - 120
2,4-DINITROTOLUENE	7.8	26	13 *	200 *	25	48 - 97
4-NITROTOLUENE	7.8	6.1	78	12	25	41 - 128
2-NITROTOLUENE	7.8	7.0	90	11	25	45 - 125

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 7 out of 13 outside limits

Spike Recovery: 10 out of 26 outside limits

4007

COMMENTS:

3C

WATER EXPLOSIVES MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBROOK

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Matrix Spike - EPA Sample No.: AA3006

3-NITROTOLUENE	7.8	7.4	95	13	25	50 - 117

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 0 outside limits

Spike Recovery: 0 out of 0 outside limits

COMMENTS:

400

3C

WATER EXPLOSIVES MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBROOK

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Matrix Spike - EPA Sample No.: AB3010

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
HMX	7.8	0.0	6.2	79	56 - 116
1,3,5-TRINITROBENZENE	3.9	0.0	3.5	90	26 - 150
TETRYL	7.8	0.0	5.9	76	20 - 143
2,4,6-TRINITROTOLUENE	3.9	9.7	10	14 *	38 - 157
4-AMINO-2,6-DINITROTOLU	3.9	21	26	131 *	60 - 128
RDX	7.8	0.0	6.4	82	41 - 121
1,3-DINITROBENZENE	3.9	0.0	3.3	85	50 - 115
NITROBENZENE	3.9	0.0	3.4	87	52 - 113
2-AMINO-4,6-DINITROTOLU	3.9	15	21	141 *	51 - 120
2,4-DINITROTOLUENE	7.8	7.9	12	50	48 - 97
4-NITROTOLUENE	7.8	0.40	6.6	79	41 - 128
2-NITROTOLUENE	7.8	2.6	7.9	68	45 - 125
3-NITROTOLUENE	7.8	0.48	6.6	78	50 - 117

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
HMX	7.8	5.6	72	9	25	56 - 116
1,3,5-TRINITROBENZENE	3.9	3.1	79	13	25	26 - 150
TETRYL	7.8	5.9	76	0	25	20 - 143
2,4,6-TRINITROTOLUENE	3.9	9.8	3 *	91 *	25	38 - 157
4-AMINO-2,6-DINITROTOLU	3.9	24	77	50 *	25	60 - 128
RDX	7.8	5.8	74	10	25	41 - 121
1,3-DINITROBENZENE	3.9	3.3	85	0	25	50 - 115
NITROBENZENE	3.9	3.4	87	0	25	52 - 113
2-AMINO-4,6-DINITROTOLU	3.9	19	103	40 *	25	51 - 120
2,4-DINITROTOLUENE	7.8	11	40 *	28 *	25	48 - 97
4-NITROTOLUENE	7.8	6.6	79	0	25	41 - 128
2-NITROTOLUENE	7.8	5.7	40 *	52 *	25	45 - 125

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 5 out of 13 outside limits

Spike Recovery: 6 out of 26 outside limits

4009

COMMENTS:

3C

WATER EXPLOSIVES MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBROOK

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Matrix Spike - EPA Sample No.: AB3010

3-NITROTOLUENE	7.8	6.5	77	1	25	50 - 117

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 0 outside limits

Spike Recovery: 0 out of 0 outside limits

COMMENTS:

4019

3F

SOIL LABORATORY CONTROL SPIKE RECOVERY

Lab Name: GPL Laboratories Contract: IT_PLUMBROOK

Lab Code: GPLL Case No.: N/A SAS No. N/A SDG No. N/A

EPA Sample No.: NLCSA GP ID: NBLK-7095-MS

COMPOUND	SPIKE ADDED (ug/kg)	LCS CONCENTRATION (ug/kg)	LCS % REC	QC LIMITS
HMX	3000	2497	83	70-114
1,3,5-TNB	1500	1394	93	70-118
TETRYL	3000	1842	61	26-100
TNT	1500	1667	111	70-150
4-AMINO-2,6-DNT	1500	1630	109	60-112
4-NITROTOLUENE	3000	2551	85	70-119
RDX	3000	2634	88	70-118
1,3-DINITROBENZENE	1500	1347	90	70-118
NITROBENZENE	1500	1262	84	70-121
2-AMINO-4,6-DNT	1500	2172	145	69-146
2,4-DNT	3000	1826	61	64-100
2-NITROTOLUENE	3000	2638	88	70-122
3-NITROTOLUENE	3000	2527	84	70-111

* OUTSIDE QC LIMIT

COMMENTS:

FORM III 8330

3F

WATER LABORATORY CONTROL SPIKE RECOVERY

Lab Name: GPL Laboratories Contract: IT_PLUMBROOK

Lab Code: GPLL Case No.: N/A SAS No. N/A SDG No.: N/A

EPA Sample No.: NLCSB GP ID: NBLK-7090-MS

COMPOUND	SPIKE ADDED ug/l	LCS CONCENTRATION ug/l	LCS % REC	QC LIMITS
HMX	7.8	7.1	91	70-127
1,3,5-TNB	3.9	3.8	98	20-150
TETRYL	7.8	6.1	78	20-104
TNT	3.9	4.7	121	70-150
4-AMINO-2,6-DNT	3.9	3.9	100	63-121
4-NITROTOLUENE	7.8	7.3	93	57-139
RDX	7.8	7.6	98	70-124
1,3-DINITROBENZENE	3.9	3.7	95	65-141
NITROBENZENE	3.9	3.6	93	71-134
2-AMINO-4,6-DNT	3.9	3.3	85	43-150
2,4-DNT	7.8	6.1	78	53-101
2-NITROTOLUENE	7.8	7.3	94	63-132
3-NITROTOLUENE	7.8	7.1	91	68-133

* OUTSIDE QC LIMIT

COMMENTS:

FORM III 8330

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

NBLKA

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBRO

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Lab File ID: LCA2583.D Lab Sample ID: NBLK-7095

Instrument ID: LCA Date Extracted: 10/02/00

Matrix: (soil/water) SOIL Date Analyzed: 10/14/00

Level: (low/med) LOW Time Analyzed: 05:28

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	Client SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	NLCSA	NBLK-7095 MS	LCA2584.D	10/14/00
02	AB0427	9169-005	LCA2585.D	10/14/00
03	AB0429	9169-006	LCA2586.D	10/14/00
04	AB0442	9169-007	LCA2587.D	10/14/00
05	AB0449	9169-008	LCA2589.D	10/14/00
06	AB0451	9169-009	LCA2593.D	10/14/00
07	AB0452	9169-010	LCA2594.D	10/14/00
08	AB0454	9169-011	LCA2596.D	10/14/00
09	AB0455	9169-012	LCA2598.D	10/14/00
10	AB0455 MS	9169-012 MS	LCA2599.D	10/14/00
11	AB0455 MSD	9169-012 MSD	LCA2600.D	10/14/00
12	AB0463	9169-015	LCA2601.D	10/14/00
13	AB0464	9169-016	LCA2602.D	10/14/00
14	AB0465	9169-017	LCA2605.D	10/14/00
15	AB0469	9169-018	LCA2606.D	10/14/00
16	AB0470	9169-019	LCA2607.D	10/14/00
17	AB0442 DIL	9169-007 100X	LCA2695.D	10/18/00
18	AB0449 DIL	9169-008 100X	LCA2696.D	10/18/00
19	AB0451 DIL	9169-009 100X	LCA2697.D	10/18/00
20	AB0454 DIL	9169-011 100X	LCA2700.D	10/18/00
21	AB0452 DIL	9169-010 2000X	LCA2916.D	10/23/00
22	AB0454 DIL2	9169-011 10000X	LCA2917.D	10/23/00

COMMENTS:

4013

4B

EXPLOSIVES METHOD BLANK SUMMARY

EPA SAMPLE NO.

NBLKB

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBRO

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Lab File ID: LCA2243.D Lab Sample ID: NBLK 7090

Instrument ID: LCA Date Extracted: 09/29/00

Matrix: (soil/water) WATER Date Analyzed: 10/02/00

Level: (low/med) LOW Time Analyzed: 09:45

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	Client Sample NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	NLCSB	NBLK 7090 MS	LCA2244.D	10/02/00
02	AA3006	9169-002	LCA2251.D	10/02/00
03	AA3006 MS	9169-002 MS	LCA2253.D	10/02/00
04	AA3006 MSD	9169-002 MSD	LCA2255.D	10/02/00
05	AB3010	9169-020	LCA2257.D	10/02/00
06	AB3010 MS	9169-020 MS	LCA2258.D	10/02/00
07	AB3010 MSD	9169-020 MSD	LCA2259.D	10/02/00
08	AB3011	9169-023	LCA2260.D	10/02/00
09	AA3006 DIL	9169-002 500X	LCA2265.D	10/02/00

COMMENTS:

4014

GPL LABORATORIES, LLP
ANALYTICAL RESULTS

Project Name : Plumbrook Ordnance Works

Date Printe November 3, 2000

GPL ID	Client ID
9169-005-05-1	AB0427
9169-006-05-1	AB0429
9169-007-05-1	AB0442
9169-008-05-1	AB0449
9169-009-05-1	AB0451
9169-010-05-1	AB0452
9169-011-05-1	AB0454
9169-012-05-1	AB0455
9169-015-05-1	AB0463
9169-016-05-1	AB0464
9169-017-05-1	AB0465
9169-018-05-1	AB0469
9169-019-05-1	AB0470
9169-002-05-1	0
9169-002-05-1	AA3006
9169-020-06-1	0
9169-020-06-1	AB3010
9169-023-06-1	AB3011
9169-024-01-1	AA3006 FILTERED
9169-025-01-1	AA3006-MS FILTERED
9169-026-01-1	AA3006-MSD FILTERED
9169-027-01-1	AB3010 FILTERED
9169-028-01-1	AB3010-MS FILTERED
9169-029-01-1	AB3010-MS FILTERED
9169-030-01-1	AB3011 FILTERED
9169-005-05-1	AB0427
9169-006-05-1	AB0429
9169-007-05-1	AB0442
9169-008-05-1	AB0449
9169-009-05-1	AB0451
9169-010-05-1	AB0452
9169-011-05-1	AB0454
9169-012-05-1	AB0455
9169-015-05-1	AB0463
9169-016-05-1	AB0464
9169-016-05-1	AB0464
9169-017-05-1	AB0465
9169-018-05-1	AB0469
9169-019-05-1	AB0470
9169-002-05-1	0
9169-002-05-1	AA3006
9169-020-06-1	0
9169-020-06-1	AB3010
9169-023-06-1	AB3011
9169-024-01-1	AA3006 FILTERED
9169-025-01-1	AA3006-MS FILTERED
9169-026-01-1	AA3006-MSD FILTERED

GPL LABORATORIES, LLP
ANALYTICAL RESULTS

Project Name : Plumbrook Ordnance Works

Date Printe November 3, 2000

GPL ID	Client ID
9169-027-01-1	AB3010 FILTERED
9169-028-01-1	AB3010-MS FILTERED
9169-029-01-1	AB3010-MS FILTERED
9169-030-01-1	AB3011 FILTERED
9169-005-05-1	AB0427
9169-006-05-1	AB0429
9169-007-05-1	AB0442
9169-008-05-1	AB0449
9169-009-05-1	AB0451
9169-010-05-1	AB0452
9169-011-05-1	AB0454
9169-012-05-1	AB0455
9169-015-05-1	AB0463
9169-016-05-1	AB0464
9169-017-05-1	AB0465
9169-018-05-1	AB0469
9169-019-05-1	AB0470
9169-002-07-1	AA3006
9169-020-09-1/2	AB3010
9169-023-09-1/2	AB3011
9169-005-04-1	AB0427
9169-006-04-1	AB0429
9169-007-04-1	AB0442
9169-007-04-1	AB0442DL
9169-008-04-1	AB0449
9169-008-04-1	AB0449DL
9169-009-04-1	AB0451
9169-009-04-1	AB0451DL
9169-010-04-1	AB0452
9169-010-04-1	AB0452DL
9169-011-04-1	AB0454
9169-011-04-1	AB0454DL
9169-012-04-1	AB0455
9169-015-04-1	AB0463
9169-015-04-1	AB0463DL
9169-016-04-1	AB0464
9169-016-04-1	AB0464DL
9169-017-04-1	AB0465
9169-018-04-1	AB0469
9169-019-04-1	AB0470
9169-005-01-1/3	AB0427
9169-006-02-2/3	AB0429
9169-007-02-2/3	AB0442
9169-008-02-2/3	AB0449
9169-009-02-2/3	AB0451
9169-010-02-2/3	AB0452
9169-011-02-2/3	AB0454

GPL LABORATORIES, LLP
ANALYTICAL RESULTS

Project Name : Plumbrook Ordnance Works

Date Printe November 3, 2000

GPL ID	Client ID
9169-012-02-2/3	AB0455
9169-015-02-2/3	AB0463
9169-016-02-2/3	AB0464
9169-017-02-2/3	AB0465
9169-018-01-1/3	AB0469
9169-019-01-1/3	AB0470
9169-001-02-2/2	0927200-TB
9169-002-01-1/3	AA3006
9169-020-01-1/3	AB3010
9169-023-01-1/3	AB3011
9169-002-06-1	AA3006
9169-020-07-1/2	AB3010
9169-023-07-1/2	AB3011
9169-005-04-1	AB0427
9169-006-04-1	AB0429
9169-007-04-1	AB0442
9169-007-04-1	AB0442DL
9169-008-04-1	AB0449
9169-008-04-1	AB0449DL
9169-009-04-1	AB0451
9169-009-04-1	AB0451DL
9169-010-04-1	AB0452
9169-010-04-1	AB0452DL
9169-011-04-1	AB0454
9169-011-04-1	AB0454DL
9169-012-04-1	AB0455
9169-015-04-1	AB0463
9169-015-04-1	AB0463DL
9169-016-04-1	AB0464
9169-016-04-1	AB0464DL
9169-017-04-1	AB0465
9169-018-04-1	AB0469
9169-019-04-1	AB0470
9169-002-04-1	AA3006
9169-002-04-1	AA3006
9169-005-04-1	AB0427
9169-006-04-1	AB0429
9169-007-04-1	AB0442
9169-007-04-1	AB0442DL
9169-007-04-1	AB0442
9169-007-04-1	AB0442DL
9169-008-04-1	AB0449
9169-008-04-1	AB0449DL
9169-008-04-1	AB0449
9169-008-04-1	AB0449DL
9169-009-04-1	AB0451
9169-009-04-1	AB0451DL

GPL LABORATORIES, LLP
ANALYTICAL RESULTS

Project Name : Plumbrook Ordnance Works

Date Printe November 3, 2000

GPL ID	Client ID
9169-009-04-1	AB0451
9169-009-04-1	AB0451DL
9169-010-04-1	AB0452
9169-010-04-1	AB0452DL
9169-010-04-1	AB0452
9169-010-04-1	AB0452DL
9169-011-04-1	AB0454
9169-011-04-1	AB0454DL
9169-011-04-1	AB0454
9169-011-04-1	AB0454DL
9169-011-04-1	AB0454
9169-011-04-1	AB0454DL
9169-012-04-1	AB0455
9169-015-04-1	AB0463
9169-015-04-1	AB0463DL
9169-016-04-1	AB0464
9169-016-04-1	AB0464DL
9169-017-04-1	AB0465
9169-018-04-1	AB0469
9169-019-04-1	AB0470
9169-020-04-1/2	AB3010
9169-023-04-1/2	AB3011

GPL LABORATORIES, LLLP

Qualifier Definitions

U = Indicates that the compound was analyzed for but not detected at or above the reporting limit

Organics:

B = Indicates that the analyte was found in the associated blank as well as in the sample

D = Indicates that the analyte was reported from a diluted analysis

E = Indicates that the concentration detected exceeded the calibration range of the instrument

J = Value is less than the reporting limits but greater than the MDL

P = Indicates that there is greater than 25% difference for detected pesticide/Aroclor results between the two GC columns

Metals:

B = Indicates that the reported value was less than the reporting limit but greater than or equal to the IDL/MDL

E = Indicates that reported value is estimated because of the possible presence of interference (i.e., the serial dilution not within control limits)

H = Indicates that the element was found in the associated blank as well as in the sample and the value is greater than or equal to the reporting limit

N = Spiked sample recovery not within control limits

• = Duplicate analysis not within control limits

IT CORPORATION
A Member of The IT Group

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 09272000-GPL

Project Number: 773206
Samples Shipment Date: 27 SEP 2000
Project Name: PLUMBROOK ORDNANCE WOR
ab Destination: GPL Labotatories
Sample Coordinator: Duane Nielsen
Lab Contact: Bill Lock
Turnaround Time:
Project Contact: Kim Napier
Carrier/Waybill No.: Fed Ex/8212 2620 3261

Bill To: Accounts Receivable
312 Directors Drive
Knoxville TN 37923

Report To: Kim Napier
312 Directors Drive
Knoxville TN 37923

Special Instructions: 48 HOUR HOLD TIME ON ENCORE SAMPLES.

Possible Hazard Indentification:
Non-hazard [ ] Flammable [ ] Skin Irritant [ ] Poison B [ ] Unknown [X]

Sample Disposal:
Return to Client [ ] Disposal by Lab [X] Archive (mos.)

1. Relinquished By (Signature/Affiliation) [signature] Date: 9/27/00 Time: 18:00
2. Relinquished By (Signature/Affiliation) Date: Time:
3. Relinquished By (Signature/Affiliation) Date: Time:

1. Received By (Signature/Affiliation) Date: Time:
2. Received By (Signature/Affiliation) Date: Time:
3. Received By (Signature/Affiliation) [signature] Date: 09/28/00 Time: 10:00 am

Comments: ACETATE TUBES ARE FOR ADDITIONAL VOC ANALYSIS IF NEEDED.

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
09272000-TB	FIEI DQC-BW-09272000-TB-TB	27 SEP 2000	07:00	40 ml GVIAL,SEP	2	HCl<pH 2	TCL Volatiles by SW-846 8260B	N		
AA3006	PBOW-00-GW-TNTA-GW06-AA3006-(00-00)	27 SEP 2000	08:30	40 mL GVIAL,SEP	3	HCl<pH 2	TCL Volatiles by SW-846 8260B	N		
AA3006	PBOW-00-GW-TNTA-GW06-AA3006-(00-00)	27 SEP 2000	08:30	1 L Amb. Glass	1	None except cool to 4 C	TCL Semivolatiles by SW-846 8270C	N		
AA3006	PBOW-00-GW-TNTA-GW06-AA3006-(00-00)	27 SEP 2000	08:30	1 L Amb. Glass	1	None except cool to 4 C	Nitroaromatics by SW-846 8330	N		
AA3006	PBOW-00-GW-TNTA-GW06-AA3006-(00-00)	27 SEP 2000	08:30	1 L Amb. Glass	1	None except cool to 4 C	PCBs by SW-846 8082	N		
AA3006	PBOW-00-GW-TNTA-GW06-AA3006-(00-00)	27 SEP 2000	08:30	1 L HDPE	1	HNO3, pH<2	TAL Metals by SW-846 6010B/7470A in water	Y		
AA3006	PBOW-00-GW-TNTA-GW06-AA3006-(00-00)	27 SEP 2000	08:30	1 L HDPE	1	HNO3, pH<2	TAL Metals by SW-846 6010B/7470A in water	N		

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IT CORPORATION
A Member of The IT Group

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 09272000-GPL

Sample No	Sample Name	Sample Date	Sample Time	Container	Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
AA3006-MS	PBOW-00-GW-TNTA-GW06-AA3006-MS-(00-00)	27 SEP 2000	08:30	1 L HDPE	1 HNO3, pH<2	TAL Metals by SW-846 6010B/7470A in water	Y		
AA3006-MS	PBOW-00-GW-TNTA-GW06-AA3006-MS-(00-00)	27 SEP 2000	08:30	40 mL GVIAL,SEP	3 HCl<pH 2	TCL Volatiles by SW-846 8260B	N		
AA3006-MS	PBOW-00-GW-TNTA-GW06-AA3006-MS-(00-00)	27 SEP 2000	08:30	1 L Amb. Glass	1 None except cool to 4 C	PCBs by SW-846 8082	N		
AA3006-MS	PBOW-00-GW-TNTA-GW06-AA3006-MS-(00-00)	27 SEP 2000	08:30	1 L Amb. Glass	1 None except cool to 4 C	Nitroaromatics by SW-846 8330	N		
AA3006-MS	PBOW-00-GW-TNTA-GW06-AA3006-MS-(00-00)	27 SEP 2000	08:30	1 L Amb. Glass	1 None except cool to 4 C	TCL Semivolatiles by SW-846 8270C	N		
AA3006-MS	PBOW-00-GW-TNTA-GW06-AA3006-MS-(00-00)	27 SEP 2000	08:30	1 L HDPE	1 HNO3, pH<2	TAL Metals by SW-846 6010B/7470A in water	N		
AA3006-MSD	PBOW-00-GW-TNTA-GW06-AA3006-MSD-(00-00)	27 SEP 2000	08:30	40 mL GVIAL,SEP	3 HCl<pH 2	TCL Volatiles by SW-846 8260B	N		
AA3006-MSD	PBOW-00-GW-TNTA-GW06-AA3006-MSD-(00-00)	27 SEP 2000	08:30	1 L Amb. Glass	1 None except cool to 4 C	TCL Semivolatiles by SW-846 8270C	N		
AA3006-MSD	PBOW-00-GW-TNTA-GW06-AA3006-MSD-(00-00)	27 SEP 2000	08:30	1 L Amb. Glass	1 None except cool to 4 C	Nitroaromatics by SW-846 8330	N		
AA3006-MSD	PBOW-00-GW-TNTA-GW06-AA3006-MSD-(00-00)	27 SEP 2000	08:30	1 L HDPE	1 HNO3, pH<2	TAL Metals by SW-846 6010B/7470A in water	N		
AA3006-MSD	PBOW-00-GW-TNTA-GW06-AA3006-MSD-(00-00)	27 SEP 2000	08:30	1 L HDPE	1 HNO3, pH<2	TAL Metals by SW-846 6010B/7470A in water	Y		
AA3006-MSD	PBOW-00-GW-TNTA-GW06-AA3006-MSD-(00-00)	27 SEP 2000	08:30	1 L Amb. Glass	1 None except cool to 4 C	PCBs by SW-846 8082	N		
AB0427	PBOW-00-SO-TNTC-SO066-AB0427-(00-01)	27 SEP 2000	09:30	5 oz ENCORE	3 None except cool to 4 C	TCL Volatiles by SW-846 8260B	N		
AB0427	PBOW-00-SO-TNTC-SO066-AB0427-(00-01)	27 SEP 2000	09:30	8 oz CWM	1 None except cool to 4 C	PCBs by SW-846 8082, TCL Semivolatiles by SW-846 8270C	N		
AB0427	PBOW-00-SO-TNTC-SO066-AB0427-(00-01)	27 SEP 2000	09:30	8 oz CWM	1 None except cool to 4 C	Nitroaromatics by SW-846 8330, TAL Metals by SW-846 6010B/7471A in soil	N		
AB0429	PBOW-00-SO-TNTC-SO066-AB0429-(00-01)	27 SEP 2000	09:30	5 oz ENCORE	3 None except cool to 4 C	TCL Volatiles by SW-846 8260B	N		
AB0429	PBOW-00-SO-TNTC-SO066-AB0429-(00-01)	27 SEP 2000	09:30	8 oz CWM	1 None except cool to 4 C	PCBs by SW-846 8082, TCL Semivolatiles by SW-846 8270C	N		
AB0429	PBOW-00-SO-TNTC-SO066-AB0429-(00-01)	27 SEP 2000	09:30	8 oz CWM	1 None except cool to 4 C	Nitroaromatics by SW-846 8330, TAL Metals by SW-846 6010B/7471A in soil	N		
AB0442	PBOW-00-SO-TNTC-SO165-AB0442-(02-03)	27 SEP 2000	11:35	5 oz ENCORE	3 None except cool to 4 C	TCL Volatiles by SW-846 8260B	N		
AB0442	PBOW-00-SO-TNTC-SO165-AB0442-(02-03)	27 SEP 2000	11:35	8 oz CWM	1 None except cool to 4 C	PCBs by SW-846 8082, TCL Semivolatiles by SW-846 8270C	N		
AB0442	PBOW-00-SO-TNTC-SO165-AB0442-(02-03)	27 SEP 2000	11:35	8 oz CWM	1 None except cool to 4 C	Nitroaromatics by SW-846 8330, TAL Metals by SW-846 6010B/7471A in soil	N		
AB0449	PBOW-00-SO-TNTC-SO252-AB0449-(01-02)	27 SEP 2000	08:45	8 oz CWM	1 None except cool to 4 C	PCBs by SW-846 8082, TCL Semivolatiles by SW-846 8270C	N		
AB0449	PBOW-00-SO-TNTC-SO252-AB0449-(01-02)	27 SEP 2000	08:45	5 oz ENCORE	3 None except cool to 4 C	TCL Volatiles by SW-846 8260B	N		
AB0449	PBOW-00-SO-TNTC-SO252-AB0449-(01-02)	27 SEP 2000	08:45	8 oz CWM	1 None except cool to 4 C	Nitroaromatics by SW-846 8330, TAL Metals by SW-846 6010B/7471A in soil	N		
AB0451	PBOW-00-SO-TNTC-SO252-AB0451-(01-02)	27 SEP 2000	08:45	5 oz ENCORE	3 None except cool to 4 C	TCL Volatiles by SW-846 8260B	N		
AB0451	PBOW-00-SO-TNTC-SO252-AB0451-(01-02)	27 SEP 2000	08:45	8 oz CWM	1 None except cool to 4 C	Nitroaromatics by SW-846 8330, TAL Metals by SW-846 6010B/7471A in soil	N		
AB0451	PBOW-00-SO-TNTC-SO252-AB0451-(01-02)	27 SEP 2000	08:45	8 oz CWM	1 None except cool to 4 C	PCBs by SW-846 8082, TCL	N		

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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 09272000-GPL

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
AB0452	PBOW-00-SO-TNTC-SO280-AB0452-(00-01)	27 SEP 2000	10:40	5 oz ENCORE	3	None except cool to 4 C	Semivolatiles by SW-846 8270C TCL Volatiles by SW-846 8260B	N		
AB0452	PBOW-00-SO-TNTC-SO280-AB0452-(00-01)	27 SEP 2000	10:40	8 oz CWM	1	None except cool to 4 C	PCBs by SW-846 8082, TCL Semivolatiles by SW-846 8270C	N		
AB0452	PBOW-00-SO-TNTC-SO280-AB0452-(00-01)	27 SEP 2000	10:40	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by SW-846 8330, TAL Metals by SW-846 6010B/7471A in soil	N		
AB0454	PBOW-00-SO-TNTC-SO280-AB0454-(00-01)	27 SEP 2000	10:40	5 oz ENCORE	3	None except cool to 4 C	TCL Volatiles by SW-846 8260B	N		
AB0454	PBOW-00-SO-TNTC-SO280-AB0454-(00-01)	27 SEP 2000	10:40	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by SW-846 8330, TAL Metals by SW-846 6010B/7471A in soil	N		
AB0454	PBOW-00-SO-TNTC-SO280-AB0454-(00-01)	27 SEP 2000	10:40	8 oz CWM	1	None except cool to 4 C	PCBs by SW-846 8082, TCL Semivolatiles by SW-846 8270C	N		
AB0455	PBOW-00-SO-TNTC-SO311-AB0455-(01-02)	27 SEP 2000	11:15	5 oz ENCORE	3	None except cool to 4 C	TCL Volatiles by SW-846 8260B	N		
AB0455	PBOW-00-SO-TNTC-SO311-AB0455-(01-02)	27 SEP 2000	11:15	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by SW-846 8330, TAL Metals by SW-846 6010B/7471A in soil	N		
AB0455	PBOW-00-SO-TNTC-SO311-AB0455-(01-02)	27 SEP 2000	11:15	8 oz CWM	1	None except cool to 4 C	PCBs by SW-846 8082, TCL Semivolatiles by SW-846 8270C	N		
AB0455-MS	PBOW-00-SO-TNTC-SO311-AB0455-MS-(00-01)	27 SEP 2000	11:15	5 oz ENCORE	3	None except cool to 4 C	TCL Volatiles by SW-846 8260B	N		
AB0455-MS	PBOW-00-SO-TNTC-SO311-AB0455-MS-(00-01)	27 SEP 2000	11:15	8 oz CWM	1	None except cool to 4 C	PCBs by SW-846 8082, TCL Semivolatiles by SW-846 8270C	N		
AB0455-MS	PBOW-00-SO-TNTC-SO311-AB0455-MS-(00-01)	27 SEP 2000	11:15	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by SW-846 8330, TAL Metals by SW-846 6010B/7471A in soil	N		
AB0455-MSD	PBOW-00-SO-TNTC-SO311-AB0455-MSD-(00-01)	27 SEP 2000	11:15	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by SW-846 8330, TAL Metals by SW-846 6010B/7471A in soil	N		
AB0455-MSD	PBOW-00-SO-TNTC-SO311-AB0455-MSD-(00-01)	27 SEP 2000	11:15	8 oz CWM	1	None except cool to 4 C	PCBs by SW-846 8082, TCL Semivolatiles by SW-846 8270C	N		
AB0455-MSD	PBOW-00-SO-TNTC-SO311-AB0455-MSD-(00-01)	27 SEP 2000	11:15	5 oz ENCORE	3	None except cool to 4 C	TCL Volatiles by SW-846 8260B	N		
AB0463	PBOW-00-TNTC-SO123-AB0463-(05-07)	27 SEP 2000	16:30	5 oz ENCORE	3	None except cool to 4 C	TCL Volatiles by SW-846 8260B	N		
AB0463	PBOW-00-TNTC-SO123-AB0463-(05-07)	27 SEP 2000	16:30	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by SW-846 8330, TCL Semivolatiles by SW-846 8270C	N		
AB0463	PBOW-00-TNTC-SO123-AB0463-(05-07)	27 SEP 2000	16:30	8 oz CWM	1	None except cool to 4 C	TAL Metals by SW-846 6010B/7471A in soil, PCBs by SW-846 8082	N		
AB0463	PBOW-00-TNTC-SO123-AB0463-(05-07)	27 SEP 2000	16:30	4 oz SLEEVE	1	None except cool to 4 C	TCL Volatiles by SW-846 8260B	N		
AB0464	PBOW-00-TNTC-SO123-AB0464-(08-10)	27 SEP 2000	16:40	4 oz SLEEVE	1	None except cool to 4 C	TCL Volatiles by SW-846 8260B	N		
AB0464	PBOW-00-TNTC-SO123-AB0464-(08-10)	27 SEP 2000	16:40	8 oz CWM	1	None except cool to 4 C	TAL Metals by SW-846 6010B/7471A in soil, PCBs by SW-846 8082	N		
AB0464	PBOW-00-TNTC-SO123-AB0464-(08-10)	27 SEP 2000	16:40	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by SW-846 8330, TCL Semivolatiles by SW-846 8270C	N		
AB0464	PBOW-00-TNTC-SO123-AB0464-(08-10)	27 SEP 2000	16:40	5 oz ENCORE	3	None except cool to 4 C	TCL Volatiles by SW-846 8260B	N		
AB0465	PBOW-00-TNTC-SO134-AB0465-(05-07)	27 SEP 2000	16:10	5 oz ENCORE	3	None except cool to 4 C	TCL Volatiles by SW-846 8260B	N		
AB0465	PBOW-00-TNTC-SO134-AB0465-(05-07)	27 SEP 2000	16:10	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by SW-846 8330, TCL Semivolatiles by SW-846 8270C	N		

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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 09272000-GPL

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
AB0465	PBOW-00-TNTC-SO134-AB0465-(05-07)	27 SEP 2000	16:10	8 oz CWM	1	None except cool to 4 C	TAL Metals by SW-846 6010B/7471A in soil, PCBs by SW-846 8082	N		
AB0465	PBOW-00-TNTC-SO134-AB0465-(05-07)	27 SEP 2000	16:10	4 oz SLEEVE	1	None except cool to 4 C	TCL Volatiles by SW-846 8260B	N		
AB0469	PBOW-00-TNTC-SO241-AB0469-(04-06)	27 SEP 2000	17:20	5 oz ENCORE	3	None except cool to 4 C	TCL Volatiles by SW-846 8260B	N		
AB0469	PBOW-00-TNTC-SO241-AB0469-(04-06)	27 SEP 2000	17:20	8 oz CWM	1	None except cool to 4 C	TAL Metals by SW-846 6010B/7471A in soil, PCBs by SW-846 8082	N		
AB0469	PBOW-00-TNTC-SO241-AB0469-(04-06)	27 SEP 2000	17:20	4 oz SLEEVE	1	None except cool to 4 C	TCL Volatiles by SW-846 8260B	N		
AB0469	PBOW-00-TNTC-SO241-AB0469-(04-06)	27 SEP 2000	17:20	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by SW-846 8330, TCL Semivolatiles by SW-846 8270C	N		
AB0470	PBOW-00-TNTC-SO383-AB0470-(04-06)	27 SEP 2000	14:10	5 oz ENCORE	3	None except cool to 4 C	TCL Volatiles by SW-846 8260B	N		
AB0470	PBOW-00-TNTC-SO383-AB0470-(04-06)	27 SEP 2000	14:10	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by SW-846 8330, TCL Semivolatiles by SW-846 8270C	N		
AB0470	PBOW-00-TNTC-SO383-AB0470-(04-06)	27 SEP 2000	14:10	4 oz SLEEVE	1	None except cool to 4 C	TCL Volatiles by SW-846 8260B	N		
AB0470	PBOW-00-TNTC-SO383-AB0470-(04-06)	27 SEP 2000	14:10	8 oz CWM	1	None except cool to 4 C	TAL Metals by SW-846 6010B/7471A in soil, PCBs by SW-846 8082	N		
AB3010	PBOW-00-GW-TNTC-GW10-AB3010-(00-00)	27 SEP 2000	14:30	40 mL GVIAL,SEP	3	HCl<pH 2	TCL Volatiles by SW-846 8260B	N		
AB3010	PBOW-00-GW-TNTC-GW10-AB3010-(00-00)	27 SEP 2000	14:30	1 L Amb. Glass	2	None except cool to 4 C	Nitroaromatics by SW-846 8330	N		
AB3010	PBOW-00-GW-TNTC-GW10-AB3010-(00-00)	27 SEP 2000	14:30	1 L HDPE	1	HNO3, pH<2	TAL Metals by SW-846 6010B/7470A in water	N		
AB3010	PBOW-00-GW-TNTC-GW10-AB3010-(00-00)	27 SEP 2000	14:30	1 L Amb. Glass	2	None except cool to 4 C	PCBs by SW-846 8082	N		
AB3010	PBOW-00-GW-TNTC-GW10-AB3010-(00-00)	27 SEP 2000	14:30	1 L HDPE	1	HNO3, pH<2	TAL Metals by SW-846 6010B/7470A in water	Y		
AB3010	PBOW-00-GW-TNTC-GW10-AB3010-(00-00)	27 SEP 2000	14:30	1 L Amb. Glass	2	None except cool to 4 C	TCL Semivolatiles by SW-846 8270C	N		
AB3010-MS	PBOW-00-GW-TNTC-GW06-AB3006-MS-(00-00)	27 SEP 2000	14:30	1 L Amb. Glass	2	None except cool to 4 C	TCL Semivolatiles by SW-846 8270C	N		
AB3010-MS	PBOW-00-GW-TNTC-GW06-AB3006-MS-(00-00)	27 SEP 2000	14:30	1 L HDPE	1	HNO3, pH<2	TAL Metals by SW-846 6010B/7470A in water	Y		
AB3010-MS	PBOW-00-GW-TNTC-GW06-AB3006-MS-(00-00)	27 SEP 2000	14:30	1 L Amb. Glass	2	None except cool to 4 C	PCBs by SW-846 8082	N		
AB3010-MS	PBOW-00-GW-TNTC-GW06-AB3006-MS-(00-00)	27 SEP 2000	14:30	40 mL GVIAL,SEP	3	HCl<pH 2	TCL Volatiles by SW-846 8260B	N		
AB3010-MS	PBOW-00-GW-TNTC-GW06-AB3006-MS-(00-00)	27 SEP 2000	14:30	1 L HDPE	1	HNO3, pH<2	TAL Metals by SW-846 6010B/7470A in water	N		
AB3010-MS	PBOW-00-GW-TNTC-GW06-AB3006-MS-(00-00)	27 SEP 2000	14:30	1 L Amb. Glass	2	None except cool to 4 C	Nitroaromatics by SW-846 8330	N		
AB3010-MSD	PBOW-00-GW-TNTC-GW06-AB3006-MSD-(00-00)	27 SEP 2000	14:30	1 L Amb. Glass	2	None except cool to 4 C	PCBs by SW-846 8082	N		
AB3010-MSD	PBOW-00-GW-TNTC-GW06-AB3006-MSD-(00-00)	27 SEP 2000	14:30	1 L Amb. Glass	2	None except cool to 4 C	Nitroaromatics by SW-846 8330	N		
AB3010-MSD	PBOW-00-GW-TNTC-GW06-AB3006-MSD-(00-00)	27 SEP 2000	14:30	1 L Amb. Glass	2	None except cool to 4 C	TCL Semivolatiles by SW-846 8270C	N		
AB3010-MSD	PBOW-00-GW-TNTC-GW06-AB3006-MSD-(00-00)	27 SEP 2000	14:30	1 L HDPE	1	HNO3, pH<2	TAL Metals by SW-846 6010B/7470A in water	N		
AB3010-MSD	PBOW-00-GW-TNTC-GW06-AB3006-MSD-(00-00)	27 SEP 2000	14:30	1 L HDPE	1	HNO3, pH<2	TAL Metals by SW-846 6010B/7470A in water	Y		
AB3010-MSD	PBOW-00-GW-TNTC-GW06-AB3006-MSD-(00-00)	27 SEP 2000	14:30	40 mL GVIAL,SEP	3	HCl<pH 2	TCL Volatiles by SW-846 8260B	N		

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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 09272000-GPL

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
AB3011	PBOW-00-GW-TNTC-GW06-AB3011-(00-00)	27 SEP 2000	14:30	40 mL GVIAL,SEP	3	HCl<pH 2	TCL Volatiles by SW-846 8260B	N		
AB3011	PBOW-00-GW-TNTC-GW06-AB3011-(00-00)	27 SEP 2000	14:30	1 L Amb. Glass	2	None except cool to 4 C	TCL Semivolatiles by SW-846 8270C	N		
AB3011	PBOW-00-GW-TNTC-GW06-AB3011-(00-00)	27 SEP 2000	14:30	1 L Amb. Glass	2	None except cool to 4 C	Nitroaromatics by SW-846 8330	N		
AB3011	PBOW-00-GW-TNTC-GW06-AB3011-(00-00)	27 SEP 2000	14:30	1 L HDPE	1	HNO3, pH<2	TAL Metals by SW-846 6010B/7470A in water	N		
AB3011	PBOW-00-GW-TNTC-GW06-AB3011-(00-00)	27 SEP 2000	14:30	1 L HDPE	1	HNO3, pH<2	TAL Metals by SW-846 6010B/7470A in water	Y		
AB3011	PBOW-00-GW-TNTC-GW06-AB3011-(00-00)	27 SEP 2000	14:30	1 L Amb. Glass	2	None except cool to 4 C	PCBs by SW-846 8082	N		

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Sample Preservation Check Documentation Form

WORK ORDER: 9169

Parameter:	Metals	Phenol	TPH	Classical	Cyanide	Sulfide	Radiology	
	Total/Diss		O&G	Parameters				
Preservative:	HNO3	H2SO4	H2SO4	H2SO4	NaOH	NaOH	H2SO4	Other Preservations
pH Value	<2	<2	<2	<2	>12	>9	<2	
CLIENT I.D.								
AA3006	2/2							
AA3006MS	2/2							
AA3006MSD	2/2							
AB3010	2/2							
AB3010MS	2/2							
AB3010MSD	2/2							
AB3011	2/2							

09/29/00

Sample Preservation Check Performed By: [signature] Date: 09/29/00

GPL Laboratories, LLLP

Figure 1
SAMPLE RECEIPT CHECKLIST

W.O. No: 9169

Client Name: ET corporation

Date Received: 09/28/00

Time Received: 10:00 Am

Received By: [illegible]

Carrier Name: _____

Prepared (Logged In) By: [illegible] / 09/28/00 (Initials / Date)

Project: Plumbrook ordnance works

Site: _____

VOA Holding Blank I.D. No: _____

	YES	NO
Airbill/Manifest Present?	✓	
No. 821226203261		
Shipping Container in Good Condition?	✓	
Custody Seals Present on Shipping Container?	✓	
Condition: Broken ____ Intact-not dated or signed ____ Intact-dated and signed ✓		
Usage of Tamper Evident Type	✓	
Chain-of-Custody Present?	✓	
Chain-of-Custody Agrees with Sample Labels?	✓	
Chain-of-Custody Signed?	✓	
Packing Present in Shipping Container? Type of Packing Vermiculite Bubble wrap	✓	
Custody seals on Sample Bottles? Condition: Good ____ Broken ____		✓
Total Number of Sample Bottles ~~156~~ 159		
Total Number of Samples 23		
Samples Intact?	✓	
Sufficient Sample Volume for Indicated Test?	✓	

	YES	NO
Trip Blanks: No. of Sets 1	✓	
Field Blanks: No. of Sets ____		✓
Equip. Blank: No. of Sets ____		✓
Field Duplicate: No. of Sets ____		✓
MS/MSD: No of Sets 3	3 ✓	
VOA Vials Have Zero Headspace?	✓	
Preservatives Added to Sample?	✓	
pH Check Required? Performed By? [illegible]	✓	
Ice Present in Shipping Container?	✓	

Container #	Temp.	Container #	Temp.
#1	3.0°C	Temp	Blank
#2	3.0°C	Temp	Blank
#3	3.0°C		
#4	5.0°	Temp	Blank
#5	4.0°C	Temp	Blank
#6	3.0°C		
#7	5.0°C	9/28/00	

Project Manager Contacted?
Name: Bill Lock
Date Contacted: 9/28/00

Any NO response must be detailed in the comments section below. If items are not applicable to particular samples or contracts, they should be marked N/A/

COMMENTS: Sample AB3010 MSD 1-Nitroaromatics bottle broken in shipping.

Checklist Completed By: [illegible]

Date: 09/28/00

SOP No: F.2V10

11/13

Analytical Report For 9180

for

IT Corporation

Project Manager: Maureen McMyler

Project Name : Plumbrook Ordnance Works

November 10, 2000

GPL

Laboratories

Project Manager

Daryl R Hartman for:
Laboratory Director

202 Perry Parkway Gaithersburg, MD 20877 Phone (301) 926 6802 Fax: (301) 840) 1209
www.gplab.com

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CASE NARRATIVE

CLIENT: IT CORPORATION
PROJECT/SITE: PLUMBROOK ORDNANCE WORKS
WORK ORDER(S): 9180
REVIEW DATE: 11/10/00

The Case Narrative, Chain of Custody, Sample Receipt Checklist, and the cover page of the Analytical Report, are integral parts of GPL Laboratories' report package. If you did not receive all of these documents, please contact GPL immediately.

Sample Receipt

Six waters and twelve soil samples were received on 09/29/2000. The samples were delivered by Federal Express. The samples were received intact. Sample receipt conditions and temperatures are documented on the Sample Receipt Checklist.

Sample Analysis

Samples were prepared and analyzed by GPL using the analytical methodologies indicated on the Analytical Report of Analysis.

Volatile Analysis

1. Twelve soils and four water samples were analyzed for volatile organic using 8260B methodologies.

2. Percent surrogate recoveries of samples AB0461, AB0462, and AB0471 were outside established QC limits in the initial analysis. The samples were reanalyzed within holding time. Both initial and final results were submitted with this package.

3. The matrix spike and matrix spike duplicate analyses for soil were shared with work order 9165. Percent recovery of chlorobenzene was outside QC limits in the MS analysis. Percent RPD of all compounds was outside QC limit as well.

4. The matrix spike and matrix spike duplicate analyses for water were shared with work order 9169.

5. Three laboratory control sample (LCS) reports were submitted with this package.

6. Internal standard recoveries of sample AB0462 was outside QC limits in the initial analysis. The sample was reanalyzed within holding time. Both data results were submitted with this package.

7. The lowest calibration level reported for methylene chloride, acetone, trans-1,3-dichloropropene, and bromoform in the initial calibration curve report, 86_25W15.M, was 2 ug/L.

8. Methylene chloride was present on BLK7114 at 1 ug/L.

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CASE NARRATIVE

CLIENT: IT CORPORATION
PROJECT/SITE: PLUMBROOK ORDNANCE WORKS
WORK ORDER(S): 9180
REVIEW DATE: 11/10/00

Semivolatile Analysis

1. Three water samples and twelve soil samples were extracted using method 3520C and 3550B respectively. These samples were analyzed for semivolatile organic compounds using USEPA method 8270C.

2. Sample AB0461 was initially analyzed at a dilution of 1:20. The sample required re-analysis at a further dilution of 1:40 due to the recovery of 2,4-Dinitrotoluene above the calibration range of the curve. The modified sample ID's for these analyses are AB0461DL and AB0461DL2.

3. Sample AB0466 was initially analyzed at a dilution of 1:20. The sample required re-analysis at a further dilution of 1:80 due to the recovery of 2,4-Dinitrotoluene above the calibration range of the curve. The modified sample ID's for these analyses are AB0466DL and AB0466DL2.

4. Due to the nature of the sample matrix, samples AB0462, AB0467 and AB3004 were initially analyzed at a 1:5 dilution. The modified sample ID for these analyses are AB0462DL, AB0467DL, and AB3004DL.

5. For the water samples, QC was shared with work order #9134. Matrix spike and duplicate analysis was performed on sample MSPMWB18W27S0. A laboratory control spike was also performed with the batch. BKS7182 showed one matrix spike recovery outside of QC limits.

6. For the soil samples, matrix spike and duplicate analysis was performed on sample AA0468. There were three matrix spike recoveries outside of QC limits. A laboratory control spike was also performed with the batch.

Pesticide/PCB/Herbicides

1. Three water and twelve soil samples were extracted and analyzed for PCB compounds using method 8082.

2. Matrix spike and MSD analysis was performed on sample AB3007 for water and on sample AA0471 for the soil. A laboratory control spike was performed with each matrix.

3. Surrogate TCX was outside QC limits for AB3006 and AA0461 on RTX-CLP2 column and surrogate TCX was outside QC limits for AA0461, AA0462 and AA0466 on RTX-CLP due to matrix interference.

4. Concentrations reported on Form I are the higher values of results generated by two columns. However, the analyst based on the evaluation of quality control parameters determines the most reliable results. Flagged concentrations (*) on Form I indicate that reported results are the lower values.

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5. Due to software limitations, some forms were corrected manually.

Explosives/HPLC

1. One water and twelve soil samples were extracted and analyzed for explosive compounds using SW846 method 8330.

2. Matrix spike and matrix spike duplicate analyses were performed on sample SAB0462 for the soil batch. Percent recovery of 2,4-DNT was above the QC limits and there was no recovery of 2-Amino-4,6-DNT in the MS or MSD due to the high level of 2,4-DNT in the native sample. All other target analyte recoveries were within control limits.

3. Matrix spike and matrix spike duplicate analyses were shared with GPL work-order 10014 for the water batch. All target analyte recoveries were within control limits.

4. A laboratory control sample was extracted and analyzed along with each sample matrix batch. Percent recovery of 4-Amino-2,6-DNT was slightly above QC limits in the soil LCS. All other target analyte recoveries were within control limits.

5. Samples AB0461, AB0462, AB0466, and AB0467 required diluted analysis for high levels of some explosive compounds.

6. Explosive compounds 2,4-DNT and 2,6-DNT co-elute on the primary column and the confirmation column. The mixture of 2,4-DNT and 2,6-DNT in the LCS and MS/MSD samples is quantitated and reported as 2,4-DNT. A peak detected in the retention time window of 2,4-DNT and 2,6-DNT on both columns will be reported as an isomeric pair in samples under the results for 2,4-DNT.

7. Manual integration was performed on some data files, when automatic integration provided by the software was inappropriate. Some forms were "hand" corrected due to software limitations.

Metals

1. Five water samples and twelve soil samples were analyzed for HSL metals by EPA SW846 methodologies.

2. The soil and water samples were reported on separate forms.

3. A matrix spike, duplicate, and serial dilution were performed on the batch water sample 0010016-014 for all required ICP analytes. No control limits were applied to the matrix spike for calcium due to an insignificant spike addition. The duplicate was outside of the control limits for arsenic. All associated data was flagged with an "*".

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4. A matrix spike and duplicate were performed on the batch water sample 0010046-01 for mercury. They were within the control limits.

5. A matrix spike and duplicate were performed on soil sample AA0470 for all required analytes. A serial dilution was performed also for the ICP analytes. The matrix spike was outside of the control limits for aluminum. All associated data was flagged with an "N". A post digestion analytical spike was performed with a recovery of 111.7%.

6. Calibration standards are verified against independent check standards purchased from a commercial vendor of environmental standards.

7. All GPL QA/QC criteria were met with the exceptions of those mentioned above.

Project Manager

Daryl R. Hartman for.
Lab Director

GPL LABORATORIES, LLP
ANALYTICAL RESULTS

Project Name : Plumbrook Ordnance Works

Date Printe November 10, 2000

GPL ID	Client ID
9180-002-05-1	AA0468
9180-003-05-1	AA0469
9180-004-05-1	AA0470
9180-005-05-1	AA0471
9180-006-05-1	AB0460
9180-007-05-1	AB0461
9180-008-05-1	AB0462
9180-009-05-1	AB0466
9180-010-05-1	AB0467
9180-011-05-1	AB0468
9180-012-05-1	AB0471
9180-013-05-1	AB0472
9180-014-06-1	AB3004
9180-015-06-1	AB3006
9180-016-06-1	AB3007
9180-017-01-1	AB3004 FILTERED
9180-018-01-1	AB3006 FILTERED
9180-002-05-1	AA0468
9180-003-05-1	AA0469
9180-004-05-1	AA0470
9180-005-05-1	AA0471
9180-006-05-1	AB0460
9180-006-05-1	AB0460
9180-007-05-1	AB0461
9180-007-05-1	AB0461
9180-008-05-1	AB0462
9180-008-05-1	AB0462
9180-009-05-1	AB0466
9180-010-05-1	AB0467
9180-011-05-1	AB0468
9180-012-05-1	AB0471
9180-013-05-1	AB0472
9180-014-06-1	AB3004
9180-015-06-1	AB3006
9180-016-06-1	AB3007
9180-017-01-1	AB3004 FILTERED
9180-002-05-1	AA0468
9180-003-05-1	AA0469
9180-004-05-1	AA0470
9180-005-05-1	AA0471
9180-006-05-1	AB0460
9180-007-05-1	AB0461
9180-008-05-1	AB0462
9180-009-05-1	AB0466
9180-010-05-1	AB0467
9180-011-05-1	AB0468
9180-012-05-1	AB0471

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ANALYTICAL RESULTS

Project Name : Plumbrook Ordnance Works

Date Printe November 10, 2000

GPL ID	Client ID
9180-013-05-1	AB0472
9180-014-09-1/2	AB3004
9180-015-09-1/2	AB3006
9180-016-09-1/2	AB3007
9180-002-04-1	AA0468
9180-003-04-1	AA0469
9180-004-04-1	AA0470
9180-005-04-1	AA0471
9180-006-04-1	AB0460
9180-007-04-1	AB0461
9180-007-04-1	AB0461DL
9180-007-04-1	AB0461DL2
9180-008-04-1	AB0462
9180-008-04-1	AB0462DL
9180-009-04-1	AB0466
9180-009-04-1	AB0466DL
9180-009-04-1	AB0466DL2
9180-010-04-1	AB0467
9180-010-04-1	AB0467DL
9180-011-04-1	AB0468
9180-012-04-1	AB0471
9180-013-04-1	AB0472
9180-002-01-1/3	AA0468
9180-003-01-1/3	AA0469
9180-004-01-1/3	AA0470
9180-005-01-1/3	AA0471
9180-006-01-1/3	AB0460
9180-007-01-1/3	AB0461
9180-008-01-1/3	AB0462
9180-009-01-1/3	AB0466
9180-010-02-2/3	AB0467
9180-011-01-1/3	AB0468
9180-012-01-1/3	AB0471
9180-013-01-1/3	AB0472
9180-001-01-1/2	09282000-TB2
9180-014-01-1/3	AB3004
9180-015-01-1/3	AB3006
9180-016-01-1/3	AB3007
9180-014-07-1/2	AB3004DL
9180-015-07-1/2	AB3006
9180-016-07-1/2	AB3007
9180-002-04-1	AA0468
9180-003-04-1	AA0469
9180-004-04-1	AA0470
9180-005-04-1	AA0471
9180-006-04-1	AB0460
9180-007-04-1	AB0461

GPL LABORATORIES, LLP
ANALYTICAL RESULTS

Project Name : Plumbrook Ordnance Works

Date Printe November 10, 2000

GPL ID	Client ID
9180-007-04-1	AB0461DL
9180-007-04-1	AB0461DL2
9180-007-04-1	AB0461
9180-007-04-1	AB0461DL
9180-007-04-1	AB0461DL2
9180-008-04-1	AB0462
9180-008-04-1	AB0462DL
9180-009-04-1	AB0466
9180-009-04-1	AB0466DL
9180-009-04-1	AB0466DL2
9180-009-04-1	AB0466
9180-009-04-1	AB0466DL
9180-009-04-1	AB0466DL2
9180-010-04-1	AB0467
9180-010-04-1	AB0467DL
9180-011-04-1	AB0468
9180-012-04-1	AB0471
9180-013-04-1	AB0472
9180-002-04-1	AA0468
9180-003-04-1	AA0469
9180-004-04-1	AA0470
9180-005-04-1	AA0471
9180-006-04-1	AB0460
9180-007-04-1	AB0461
9180-007-04-1	AB0461DL
9180-007-04-1	AB0461DL2
9180-007-04-1	AB0461
9180-007-04-1	AB0461DL
9180-007-04-1	AB0461DL2
9180-008-04-1	AB0462
9180-008-04-1	AB0462DL
9180-008-04-1	AB0462
9180-008-04-1	AB0462DL
9180-009-04-1	AB0466
9180-009-04-1	AB0466DL
9180-009-04-1	AB0466DL2
9180-009-04-1	AB0466
9180-009-04-1	AB0466DL
9180-009-04-1	AB0466DL2
9180-010-04-1	AB0467
9180-010-04-1	AB0467DL
9180-010-04-1	AB0467
9180-010-04-1	AB0467DL
9180-011-04-1	AB0468
9180-012-04-1	AB0471
9180-013-04-1	AB0472
9180-016-04-1/2	AB3007

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Summary of Analytical Results

Client ID AA0468
GPL ID: 9180-002-05-1
Matrix: Soil
Date Collected: Sep-28-2000
Date Received: Sep-29-2000

Prep Method:
Prep Date:
Prep Time:
Prep Chemist:

Analytical Method: CLP_SOLIDS
Date Analyzed: Oct-04-2000
Time Analyzed 16:45
Analyst: Roya Sabouri

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Percent Solids	77.0	1	%		1

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Summary of Analytical Results

Client ID AA0469
GPL ID: 9180-003-05-1
Matrix: Soil
Date Collected: Sep-28-2000
Date Received: Sep-29-2000

Prep Method:
Prep Date:
Prep Time:
Prep Chemist:

Analytical Method: CLP_SOLIDS
Date Analyzed: Oct-04-2000
Time Analyzed 16:45
Analyst: Roya Sabouri

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Percent Solids	80.4	1	%		1

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Summary of Analytical Results

Client ID AA0470
GPL ID: 9180-004-05-1
Matrix: Soil
Date Collected: Sep-28-2000
Date Received: Sep-29-2000

Prep Method:
Prep Date:
Prep Time:
Prep Chemist:

Analytical Method: CLP_SOLIDS
Date Analyzed: Oct-04-2000
Time Analyzed 16:45
Analyst: Roya Sabouri

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Percent Solids	89.9	1	%		1

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Summary of Analytical Results

Client ID AA0471	**Prep Method:**	**Analytical Method: CLP_SOLIDS**
GPL ID: 9180-005-05-1	**Prep Date:**	**Date Analyzed: Oct-04-2000**
Matrix: Soil	**Prep Time:**	**Time Analyzed 16:45**
Date Collected: Sep-28-2000	**Prep Chemist:**	**Analyst: Roya Sabouri**
Date Received: Sep-29-2000		

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Percent Solids	81.6	1	%		1

Summary of Analytical Results

Client ID AB0460	**Prep Method:**	**Analytical Method: CLP_SOLIDS**
GPL ID: 9180-006-05-1	**Prep Date:**	**Date Analyzed: Oct-04-2000**
Matrix: Soil	**Prep Time:**	**Time Analyzed 16:45**
Date Collected: Sep-28-2000	**Prep Chemist:**	**Analyst: Roya Sabouri**
Date Received: Sep-29-2000		

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Percent Solids	89.4	1	%		1

Summary of Analytical Results

Client ID AB0461	**Prep Method:**	**Analytical Method: CLP_SOLIDS**
GPL ID: 9180-007-05-1	**Prep Date:**	**Date Analyzed: Oct-04-2000**
Matrix: Soil	**Prep Time:**	**Time Analyzed 16:45**
Date Collected: Sep-28-2000	**Prep Chemist:**	**Analyst: Roya Sabouri**
Date Received: Sep-29-2000		

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Percent Solids	83.2	1	%		1

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Summary of Analytical Results

Client ID AB0462	Prep Method:	Analytical Method: CLP_SOLIDS
GPL ID: 9180-008-05-1	Prep Date:	Date Analyzed: Oct-04-2000
Matrix: Soil	Prep Time:	Time Analyzed 16:45
Date Collected: Sep-28-2000	Prep Chemist:	Analyst: Roya Sabouri
Date Received: Sep-29-2000		

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Percent Solids	92.0	1	%		1

Summary of Analytical Results

Client ID AB0466
GPL ID: 9180-009-05-1
Matrix: Soil
Date Collected: Sep-28-2000
Date Received: Sep-29-2000

Prep Method:
Prep Date:
Prep Time:
Prep Chemist:

Analytical Method: CLP_SOLIDS
Date Analyzed: Oct-04-2000
Time Analyzed 16:45
Analyst: Roya Sabouri

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Percent Solids	87.0	1	%		1

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Summary of Analytical Results

Client ID AB0467
GPL ID: 9180-010-05-1
Matrix: Soil
Date Collected: Sep-28-2000
Date Received: Sep-29-2000

Prep Method:
Prep Date:
Prep Time:
Prep Chemist:

Analytical Method: CLP_SOLIDS
Date Analyzed: Oct-04-2000
Time Analyzed 16:45
Analyst: Roya Sabouri

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Percent Solids	84.4	1	%		1

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Summary of Analytical Results

Client ID AB0468	Prep Method:	Analytical Method: CLP_SOLIDS
GPL ID: 9180-011-05-1	Prep Date:	Date Analyzed: Oct-04-2000
Matrix: Soil	Prep Time:	Time Analyzed 16:45
Date Collected: Sep-28-2000	Prep Chemist:	Analyst: Roya Sabouri
Date Received: Sep-29-2000		

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Percent Solids	88.6	1	%		1

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Summary of Analytical Results

Client ID AB0471	Prep Method:	Analytical Method: CLP_SOLIDS
GPL ID: 9180-012-05-1	Prep Date:	Date Analyzed: Oct-04-2000
Matrix: Soil	Prep Time:	Time Analyzed 16:45
Date Collected: Sep-28-2000	Prep Chemist:	Analyst: Roya Sabouri
Date Received: Sep-29-2000		

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Percent Solids	87.7	1	%		1

Summary of Analytical Results

Client ID AB0472	**Prep Method:**	**Analytical Method: CLP_SOLIDS**
GPL ID: 9180-013-05-1	**Prep Date:**	**Date Analyzed: Oct-04-2000**
Matrix: Soil	**Prep Time:**	**Time Analyzed 16:45**
Date Collected: Sep-28-2000	**Prep Chemist:**	**Analyst: Roya Sabouri**
Date Received: Sep-29-2000		

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Percent Solids	79.4	1	%		1

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Summary of Analytical Results

Client ID AB3004
GPL ID: 9180-014-06-1
Matrix: Water
Date Collected: Sep-28-2000
Date Received: Sep-29-2000

Prep Method: SW3010A
Prep Date: Nov-03-2000
Prep Time: 08:21
Prep Chemist: Teshome Tamitre

Analytical Method: SW6010B
Date Analyzed: Nov-04-2000
Time Analyzed 18:40
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	12300	200	ug/L		1
Antimony	BQL	6	ug/L	U	1
Arsenic	8.22	5	ug/L		1
Barium	143	5	ug/L		1
Beryllium	1.07	1	ug/L		1
Cadmium	BQL	3	ug/L	U	1
Calcium	338000	500	ug/L		1
Chromium	24.4	5	ug/L		1
Cobalt	16.2	5	ug/L		1
Copper	26.5	5	ug/L		1
Iron	29100	100	ug/L		1
Lead	23.6	3	ug/L		1
Magnesium	34700	250	ug/L		1
Manganese	1890	5	ug/L		1
Nickel	40.8	5	ug/L		1
Potassium	6490	250	ug/L		1
Selenium	BQL	5	ug/L	U	1
Silver	BQL	3	ug/L	U	1
Sodium	2520	1000	ug/L		1
Thallium	BQL	10	ug/L	U	1
Vanadium	24.0	5	ug/L		1
Zinc	99.6	15	ug/L		1

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Summary of Analytical Results

Client ID AB3006
GPL ID: 9180-015-06-1
Matrix: Water
Date Collected: Sep-28-2000
Date Received: Sep-29-2000

Prep Method: SW3010A
Prep Date: Nov-03-2000
Prep Time: 08:21
Prep Chemist: Teshome Tamitre

Analytical Method: SW6010B
Date Analyzed: Nov-04-2000
Time Analyzed 18:46
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	7310	200	ug/L		1
Antimony	BQL	6	ug/L	U	1
Arsenic	9.23	5	ug/L		1
Barium	155	5	ug/L		1
Beryllium	0.608	1	ug/L	B	1
Cadmium	BQL	3	ug/L	U	1
Calcium	214000	500	ug/L		1
Chromium	19.3	5	ug/L		1
Cobalt	7.23	5	ug/L		1
Copper	14.0	5	ug/L		1
Iron	21800	100	ug/L		1
Lead	15.5	3	ug/L		1
Magnesium	49100	250	ug/L		1
Manganese	958	5	ug/L		1
Nickel	18.5	5	ug/L		1
Potassium	2220	250	ug/L		1
Selenium	BQL	5	ug/L	U	1
Silver	BQL	3	ug/L	U	1
Sodium	3630	1000	ug/L		1
Thallium	BQL	10	ug/L	U	1
Vanadium	32.6	5	ug/L		1
Zinc	53.2	15	ug/L		1

Summary of Analytical Results

Client ID AB3007
GPL ID: 9180-016-06-1
Matrix: Water
Date Collected: Sep-28-2000
Date Received: Sep-29-2000

Prep Method: SW3010A
Prep Date: Nov-03-2000
Prep Time: 08:21
Prep Chemist: Teshome Tamitre

Analytical Method: SW6010B
Date Analyzed: Nov-04-2000
Time Analyzed 18:53
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	19500	200	ug/L		1
Antimony	BQL	6	ug/L	U	1
Arsenic	39.1	5	ug/L		1
Barium	579	5	ug/L		1
Beryllium	1.60	1	ug/L		1
Cadmium	BQL	3	ug/L	U	1
Calcium	514000	500	ug/L		1
Chromium	47.2	5	ug/L		1
Cobalt	21.1	5	ug/L		1
Copper	45.5	5	ug/L		1
Iron	68500	100	ug/L		1
Lead	54.6	3	ug/L		1
Magnesium	90000	250	ug/L		1
Manganese	1300	5	ug/L		1
Nickel	56.3	5	ug/L		1
Potassium	5820	250	ug/L		1
Selenium	2.31	5	ug/L	B	1
Silver	BQL	3	ug/L	U	1
Sodium	7360	1000	ug/L		1
Thallium	BQL	10	ug/L	U	1
Vanadium	93.9	5	ug/L		1
Zinc	175	15	ug/L		1

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Summary of Analytical Results

Client ID AB3004 FILTERED
GPL ID: 9180-017-01-1
Matrix: Water
Date Collected: Sep-28-2000
Date Received: Sep-29-2000

Prep Method: SW3010A
Prep Date: Nov-03-2000
Prep Time: 08:21
Prep Chemist: Teshome Tamitre

Analytical Method: SW6010B
Date Analyzed: Nov-04-2000
Time Analyzed 19:00
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	107	200	ug/L	B	1
Antimony	BQL	6	ug/L	U	1
Arsenic	BQL	5	ug/L	U	1
Barium	42.4	5	ug/L		1
Beryllium	0.104	1	ug/L	B	1
Cadmium	BQL	3	ug/L	U	1
Calcium	132000	500	ug/L		1
Chromium	BQL	5	ug/L	U	1
Cobalt	1.80	5	ug/L	B	1
Copper	2.58	5	ug/L	B	1
Iron	240	100	ug/L		1
Lead	BQL	3	ug/L	U	1
Magnesium	29100	250	ug/L		1
Manganese	236	5	ug/L		1
Nickel	2.04	5	ug/L	B	1
Potassium	1110	250	ug/L		1
Selenium	BQL	5	ug/L	U	1
Silver	BQL	3	ug/L	U	1
Sodium	2030	1000	ug/L		1
Thallium	BQL	10	ug/L	U	1
Vanadium	BQL	5	ug/L	U	1
Zinc	5.89	15	ug/L	B	1

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Summary of Analytical Results

Client ID AB3006 FILTERED
GPL ID: 9180-018-01-1
Matrix: Water
Date Collected: Sep-28-2000
Date Received: Sep-29-2000

Prep Method: SW3010A
Prep Date: Nov-03-2000
Prep Time: 08:21
Prep Chemist: Teshome Tamitre

Analytical Method: SW6010B
Date Analyzed: Nov-04-2000
Time Analyzed 19:07
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	334	200	ug/L		1
Antimony	BQL	6	ug/L	U	1
Arsenic	BQL	5	ug/L	U	1
Barium	76.1	5	ug/L		1
Beryllium	BQL	1	ug/L	U	1
Cadmium	BQL	3	ug/L	U	1
Calcium	197000	500	ug/L		1
Chromium	1.54	5	ug/L	B	1
Cobalt	BQL	5	ug/L	U	1
Copper	2.07	5	ug/L	B	1
Iron	771	100	ug/L		1
Lead	BQL	3	ug/L	U	1
Magnesium	46500	250	ug/L		1
Manganese	226	5	ug/L		1
Nickel	BQL	5	ug/L	U	1
Potassium	848	250	ug/L		1
Selenium	2.73	5	ug/L	B	1
Silver	BQL	3	ug/L	U	1
Sodium	3190	1000	ug/L		1
Thallium	BQL	10	ug/L	U	1
Vanadium	1.27	5	ug/L	B	1
Zinc	5.74	15	ug/L	B	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AA0468
GPL ID: 9180-002-05-1
Matrix: Soil
Date Collected: Sep-28-2000
Date Received: Sep-29-2000

Prep Method: SW3050B
Prep Date: Oct-27-2000
Prep Time: 11:59
Prep Chemist: Rekha Patel

Analytical Method: SW6010B
Date Analyzed: Nov-03-2000
Time Analyzed 21:20
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	5670	49.5	mg/kg		2
Antimony	BQL	1.48	mg/kg	U	2
Arsenic	4.23	1.24	mg/kg		2
Barium	26.6	1.24	mg/kg		2
Beryllium	0.346	0.247	mg/kg		2
Cadmium	0.131	0.742	mg/kg	B	2
Calcium	3200	124	mg/kg		2
Chromium	8.40	1.24	mg/kg		2
Cobalt	2.97	1.24	mg/kg		2
Copper	5.52	1.24	mg/kg		2
Iron	9140	24.7	mg/kg		2
Lead	21.7	0.742	mg/kg		2
Magnesium	990	61.8	mg/kg		2
Manganese	124	1.24	mg/kg		2
Nickel	7.88	1.24	mg/kg		2
Potassium	393	61.8	mg/kg		2
Selenium	BQL	1.24	mg/kg	U	2
Silver	BQL	0.742	mg/kg	U	2
Sodium	140	247	mg/kg	B	2
Thallium	BQL	2.47	mg/kg	U	2
Vanadium	15.8	1.24	mg/kg		2
Zinc	36.5	3.71	mg/kg		2

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AA0469
GPL ID: 9180-003-05-1
Matrix: Soil
Date Collected: Sep-28-2000
Date Received: Sep-29-2000

Prep Method: SW3050B
Prep Date: Oct-27-2000
Prep Time: 11:59
Prep Chemist: Rekha Patel

Analytical Method: SW6010B
Date Analyzed: Nov-03-2000
Time Analyzed 21:26
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	6630	49.8	mg/kg		2
Antimony	BQL	1.49	mg/kg	U	2
Arsenic	3.27	1.24	mg/kg		2
Barium	23.0	1.24	mg/kg		2
Beryllium	0.398	0.249	mg/kg		2
Cadmium	BQL	0.746	mg/kg	U	2
Calcium	1770	124	mg/kg		2
Chromium	9.31	1.24	mg/kg		2
Cobalt	3.64	1.24	mg/kg		2
Copper	4.90	1.24	mg/kg		2
Iron	10000	24.9	mg/kg		2
Lead	9.55	0.746	mg/kg		2
Magnesium	920	62.2	mg/kg		2
Manganese	132	1.24	mg/kg		2
Nickel	8.67	1.24	mg/kg		2
Potassium	425	62.2	mg/kg		2
Selenium	BQL	1.24	mg/kg	U	2
Silver	BQL	0.746	mg/kg	U	2
Sodium	145	249	mg/kg	B	2
Thallium	BQL	2.49	mg/kg	U	2
Vanadium	18.2	1.24	mg/kg		2
Zinc	29.0	3.73	mg/kg		2

Summary of Analytical Results

Client ID AA0470
GPL ID: 9180-004-05-1
Matrix: Soil
Date Collected: Sep-28-2000
Date Received: Sep-29-2000

Prep Method: SW3050B
Prep Date: Oct-27-2000
Prep Time: 11:59
Prep Chemist: Rekha Patel

Analytical Method: SW6010B
Date Analyzed: Nov-03-2000
Time Analyzed 21:33
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	4490	44.5	mg/kg		2
Antimony	BQL	1.34	mg/kg	U	2
Arsenic	2.34	1.11	mg/kg		2
Barium	23.8	1.11	mg/kg		2
Beryllium	0.269	0.223	mg/kg		2
Cadmium	BQL	0.668	mg/kg	U	2
Calcium	1250	111	mg/kg		2
Chromium	6.29	1.11	mg/kg		2
Cobalt	1.54	1.11	mg/kg		2
Copper	5.82	1.11	mg/kg		2
Iron	7420	22.3	mg/kg		2
Lead	15.4	0.668	mg/kg		2
Magnesium	695	55.6	mg/kg		2
Manganese	107	1.11	mg/kg		2
Nickel	4.98	1.11	mg/kg		2
Potassium	334	55.6	mg/kg		2
Selenium	BQL	1.11	mg/kg	U	2
Silver	BQL	0.668	mg/kg	U	2
Sodium	96.3	223	mg/kg	B	2
Thallium	BQL	2.23	mg/kg	U	2
Vanadium	11.4	1.11	mg/kg		2
Zinc	25.2	3.34	mg/kg		2

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Summary of Analytical Results

Client ID AA0471
GPL ID: 9180-005-05-1
Matrix: Soil
Date Collected: Sep-28-2000
Date Received: Sep-29-2000

Prep Method: SW3050B
Prep Date: Oct-27-2000
Prep Time: 11:59
Prep Chemist: Rekha Patel

Analytical Method: SW6010B
Date Analyzed: Nov-03-2000
Time Analyzed 22:07
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	4730	47.6	mg/kg		2
Antimony	BQL	1.43	mg/kg	U	2
Arsenic	7.59	1.19	mg/kg		2
Barium	14.5	1.19	mg/kg		2
Beryllium	0.305	0.238	mg/kg		2
Cadmium	BQL	0.714	mg/kg	U	2
Calcium	2240	119	mg/kg		2
Chromium	7.23	1.19	mg/kg		2
Cobalt	3.80	1.19	mg/kg		2
Copper	8.14	1.19	mg/kg		2
Iron	10500	23.8	mg/kg		2
Lead	4.91	0.714	mg/kg		2
Magnesium	1150	59.5	mg/kg		2
Manganese	217	1.19	mg/kg		2
Nickel	9.48	1.19	mg/kg		2
Potassium	635	59.5	mg/kg		2
Selenium	BQL	1.19	mg/kg	U	2
Silver	BQL	0.714	mg/kg	U	2
Sodium	231	238	mg/kg	B	2
Thallium	BQL	2.38	mg/kg	U	2
Vanadium	16.8	1.19	mg/kg		2
Zinc	38.3	3.57	mg/kg		2

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB0460
GPL ID: 9180-006-05-1
Matrix: Soil
Date Collected: Sep-28-2000
Date Received: Sep-29-2000

Prep Method: SW3050B
Prep Date: Oct-27-2000
Prep Time: 11:59
Prep Chemist: Rekha Patel

Analytical Method: SW6010B
Date Analyzed: Nov-03-2000
Time Analyzed 22:28
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	1420	43.9	mg/kg		2
Antimony	0.757	1.32	mg/kg	B	2
Arsenic	3.64	1.1	mg/kg		2
Barium	56.5	1.1	mg/kg		2
Beryllium	0.178	0.219	mg/kg	B	2
Cadmium	0.281	0.658	mg/kg	B	2
Chromium	3.86	1.1	mg/kg		2
Cobalt	1.94	1.1	mg/kg		2
Copper	8.19	1.1	mg/kg		2
Iron	9790	21.9	mg/kg		2
Lead	76.4	0.658	mg/kg		2
Magnesium	18700	54.8	mg/kg		2
Manganese	713	1.1	mg/kg		2
Nickel	7.55	1.1	mg/kg		2
Potassium	510	54.8	mg/kg		2
Selenium	BQL	1.1	mg/kg	U	2
Silver	BQL	0.658	mg/kg	U	2
Sodium	235	219	mg/kg		2
Thallium	BQL	2.19	mg/kg	U	2
Vanadium	5.87	1.1	mg/kg		2
Zinc	56.9	3.29	mg/kg		2

Summary of Analytical Results

Client ID AB0460
GPL ID: 9180-006-05-1
Matrix: Soil
Date Collected: Sep-28-2000
Date Received: Sep-29-2000

Prep Method: SW3050B
Prep Date: Oct-27-2000
Prep Time: 11:59
Prep Chemist: Rekha Patel

Analytical Method: SW6010B
Date Analyzed: Nov-03-2000
Time Analyzed 22:35
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Calcium	252000	2740	mg/kg		50

Summary of Analytical Results

Client ID AB0461
GPL ID: 9180-007-05-1
Matrix: Soil
Date Collected: Sep-28-2000
Date Received: Sep-29-2000

Prep Method: SW3050B
Prep Date: Oct-27-2000
Prep Time: 11:59
Prep Chemist: Rekha Patel

Analytical Method: SW6010B
Date Analyzed: Nov-03-2000
Time Analyzed 22:41
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	7850	47.6	mg/kg		2
Antimony	BQL	1.43	mg/kg	U	2
Arsenic	6.06	1.19	mg/kg		2
Barium	35.4	1.19	mg/kg		2
Beryllium	0.595	0.238	mg/kg		2
Cadmium	BQL	0.714	mg/kg	U	2
Chromium	13.7	1.19	mg/kg		2
Cobalt	12.0	1.19	mg/kg		2
Copper	19.2	1.19	mg/kg		2
Iron	32600	23.8	mg/kg		2
Lead	9.86	0.714	mg/kg		2
Magnesium	3670	59.5	mg/kg		2
Manganese	1130	1.19	mg/kg		2
Nickel	46.6	1.19	mg/kg		2
Potassium	2730	59.5	mg/kg		2
Selenium	BQL	1.19	mg/kg	U	2
Silver	BQL	0.714	mg/kg	U	2
Sodium	292	238	mg/kg		2
Thallium	BQL	2.38	mg/kg	U	2
Vanadium	12.0	1.19	mg/kg		2
Zinc	44.5	3.57	mg/kg		2

Summary of Analytical Results

Client ID AB0461
GPL ID: 9180-007-05-1
Matrix: Soil
Date Collected: Sep-28-2000
Date Received: Sep-29-2000

Prep Method: SW3050B
Prep Date: Oct-27-2000
Prep Time: 11:59
Prep Chemist: Rekha Patel

Analytical Method: SW6010B
Date Analyzed: Nov-03-2000
Time Analyzed 22:48
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Calcium	157000	595	mg/kg		10

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Summary of Analytical Results

Client ID AB0462
GPL ID: 9180-008-05-1
Matrix: Soil
Date Collected: Sep-28-2000
Date Received: Sep-29-2000

Prep Method: SW3050B
Prep Date: Oct-27-2000
Prep Time: 11:59
Prep Chemist: Rekha Patel

Analytical Method: SW6010B
Date Analyzed: Nov-03-2000
Time Analyzed 22:55
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	5180	43.5	mg/kg		2
Antimony	BQL	1.31	mg/kg	U	2
Arsenic	2.47	1.09	mg/kg		2
Barium	22.9	1.09	mg/kg		2
Beryllium	0.500	0.217	mg/kg		2
Cadmium	BQL	0.652	mg/kg	U	2
Chromium	9.53	1.09	mg/kg		2
Cobalt	6.24	1.09	mg/kg		2
Copper	11.0	1.09	mg/kg		2
Iron	11300	21.7	mg/kg		2
Lead	4.86	0.652	mg/kg		2
Magnesium	3390	54.4	mg/kg		2
Manganese	1620	1.09	mg/kg		2
Nickel	18.5	1.09	mg/kg		2
Potassium	2410	54.4	mg/kg		2
Selenium	BQL	1.09	mg/kg	U	2
Silver	BQL	0.652	mg/kg	U	2
Sodium	387	217	mg/kg		2
Thallium	BQL	2.18	mg/kg	U	2
Vanadium	8.92	1.09	mg/kg		2
Zinc	10.9	3.26	mg/kg		2

Summary of Analytical Results

Client ID AB0462
GPL ID: 9180-008-05-1
Matrix: Soil
Date Collected: Sep-28-2000
Date Received: Sep-29-2000

Prep Method: SW3050B
Prep Date: Oct-27-2000
Prep Time: 11:59
Prep Chemist: Rekha Patel

Analytical Method: SW6010B
Date Analyzed: Nov-03-2000
Time Analyzed 23:02
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Calcium	225000	2720	mg/kg		50

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB0466
GPL ID: 9180-009-05-1
Matrix: Soil
Date Collected: Sep-28-2000
Date Received: Sep-29-2000

Prep Method: SW3050B
Prep Date: Oct-27-2000
Prep Time: 11:59
Prep Chemist: Rekha Patel

Analytical Method: SW6010B
Date Analyzed: Nov-03-2000
Time Analyzed 23:09
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	3150	45.5	mg/kg		2
Antimony	BQL	1.37	mg/kg	U	2
Arsenic	1.77	1.14	mg/kg		2
Barium	31.9	1.14	mg/kg		2
Beryllium	0.203	0.228	mg/kg	B	2
Cadmium	BQL	0.683	mg/kg	U	2
Calcium	1430	114	mg/kg		2
Chromium	5.24	1.14	mg/kg		2
Cobalt	1.37	1.14	mg/kg		2
Copper	1.36	1.14	mg/kg		2
Iron	4310	22.8	mg/kg		2
Lead	8.80	0.683	mg/kg		2
Magnesium	658	56.9	mg/kg		2
Manganese	33.7	1.14	mg/kg		2
Nickel	3.72	1.14	mg/kg		2
Potassium	242	56.9	mg/kg		2
Selenium	BQL	1.14	mg/kg	U	2
Silver	BQL	0.683	mg/kg	U	2
Sodium	249	228	mg/kg		2
Thallium	BQL	2.28	mg/kg	U	2
Vanadium	8.01	1.14	mg/kg		2
Zinc	23.9	3.42	mg/kg		2

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB0467
GPL ID: 9180-010-05-1
Matrix: Soil
Date Collected: Sep-28-2000
Date Received: Sep-29-2000

Prep Method: SW3050B
Prep Date: Oct-27-2000
Prep Time: 11:59
Prep Chemist: Rekha Patel

Analytical Method: SW6010B
Date Analyzed: Nov-03-2000
Time Analyzed 23:16
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	3930	46	mg/kg		2
Antimony	0.904	1.38	mg/kg	B	2
Arsenic	1.79	1.15	mg/kg		2
Barium	33.3	1.15	mg/kg		2
Beryllium	0.246	0.23	mg/kg		2
Cadmium	BQL	0.69	mg/kg	U	2
Calcium	1420	115	mg/kg		2
Chromium	6.25	1.15	mg/kg		2
Cobalt	1.75	1.15	mg/kg		2
Copper	2.96	1.15	mg/kg		2
Iron	5200	23	mg/kg		2
Lead	43.8	0.69	mg/kg		2
Magnesium	761	57.5	mg/kg		2
Manganese	38.1	1.15	mg/kg		2
Nickel	4.80	1.15	mg/kg		2
Potassium	369	57.5	mg/kg		2
Selenium	BQL	1.15	mg/kg	U	2
Silver	0.421	0.69	mg/kg	B	2
Sodium	118	230	mg/kg	B	2
Thallium	BQL	2.3	mg/kg	U	2
Vanadium	9.20	1.15	mg/kg		2
Zinc	25.0	3.45	mg/kg		2

Summary of Analytical Results

Client ID AB0468
GPL ID: 9180-011-05-1
Matrix: Soil
Date Collected: Sep-28-2000
Date Received: Sep-29-2000

Prep Method: SW3050B
Prep Date: Oct-27-2000
Prep Time: 11:59
Prep Chemist: Rekha Patel

Analytical Method: SW6010B
Date Analyzed: Nov-03-2000
Time Analyzed 23:22
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	6810	44.2	mg/kg		2
Antimony	BQL	1.33	mg/kg	U	2
Arsenic	9.27	1.11	mg/kg		2
Barium	57.5	1.11	mg/kg		2
Beryllium	0.487	0.221	mg/kg		2
Cadmium	0.385	0.664	mg/kg	B	2
Calcium	67600	111	mg/kg		2
Chromium	11.0	1.11	mg/kg		2
Cobalt	3.89	1.11	mg/kg		2
Copper	15.2	1.11	mg/kg		2
Iron	15400	22.1	mg/kg		2
Lead	68.9	0.664	mg/kg		2
Magnesium	6710	55.3	mg/kg		2
Manganese	396	1.11	mg/kg		2
Nickel	12.0	1.11	mg/kg		2
Potassium	968	55.3	mg/kg		2
Selenium	BQL	1.11	mg/kg	U	2
Silver	BQL	0.664	mg/kg	U	2
Sodium	214	221	mg/kg	B	2
Thallium	BQL	2.21	mg/kg	U	2
Vanadium	16.5	1.11	mg/kg		2
Zinc	158	3.32	mg/kg		2

Summary of Analytical Results

Client ID AB0471
GPL ID: 9180-012-05-1
Matrix: Soil
Date Collected: Sep-28-2000
Date Received: Sep-29-2000

Prep Method: SW3050B
Prep Date: Oct-27-2000
Prep Time: 11:59
Prep Chemist: Rekha Patel

Analytical Method: SW6010B
Date Analyzed: Nov-03-2000
Time Analyzed 23:29
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	4630	43.4	mg/kg		2
Antimony	BQL	1.3	mg/kg	U	2
Arsenic	6.08	1.09	mg/kg		2
Barium	92.4	1.09	mg/kg		2
Beryllium	0.376	0.217	mg/kg		2
Cadmium	BQL	0.652	mg/kg	U	2
Calcium	26300	109	mg/kg		2
Chromium	8.03	1.09	mg/kg		2
Cobalt	4.40	1.09	mg/kg		2
Copper	13.0	1.09	mg/kg		2
Iron	23100	21.7	mg/kg		2
Lead	129	0.652	mg/kg		2
Magnesium	7380	54.3	mg/kg		2
Manganese	1700	1.09	mg/kg		2
Nickel	12.6	1.09	mg/kg		2
Potassium	476	54.3	mg/kg		2
Selenium	BQL	1.09	mg/kg	U	2
Silver	BQL	0.652	mg/kg	U	2
Sodium	133	217	mg/kg	B	2
Thallium	BQL	2.17	mg/kg	U	2
Vanadium	14.6	1.09	mg/kg		2
Zinc	51.0	3.26	mg/kg		2

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB0472
GPL ID: 9180-013-05-1
Matrix: Soil
Date Collected: Sep-28-2000
Date Received: Sep-29-2000

Prep Method: SW3050B
Prep Date: Oct-27-2000
Prep Time: 11:59
Prep Chemist: Rekha Patel

Analytical Method: SW6010B
Date Analyzed: Nov-03-2000
Time Analyzed 23:50
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	1610	47.5	mg/kg		2
Antimony	0.779	1.43	mg/kg	B	2
Arsenic	3.39	1.19	mg/kg		2
Barium	38.7	1.19	mg/kg		2
Beryllium	0.154	0.237	mg/kg	B	2
Cadmium	BQL	0.712	mg/kg	U	2
Calcium	1610	119	mg/kg		2
Chromium	3.84	1.19	mg/kg		2
Cobalt	1.11	1.19	mg/kg	B	2
Copper	3.53	1.19	mg/kg		2
Iron	6370	23.7	mg/kg		2
Lead	4.22	0.712	mg/kg		2
Magnesium	434	59.4	mg/kg		2
Manganese	34.2	1.19	mg/kg		2
Nickel	3.29	1.19	mg/kg		2
Potassium	355	59.4	mg/kg		2
Selenium	BQL	1.19	mg/kg	U	2
Silver	BQL	0.712	mg/kg	U	2
Sodium	115	237	mg/kg	B	2
Thallium	BQL	2.38	mg/kg	U	2
Vanadium	10.1	1.19	mg/kg		2
Zinc	12.3	3.56	mg/kg		2

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB3004
GPL ID: 9180-014-06-1
Matrix: Water
Date Collected: Sep-28-2000
Date Received: Sep-29-2000

Prep Method: SW7470A_DIG
Prep Date: Oct-12-2000
Prep Time: 10:25
Prep Chemist: Kelvin Choi

Analytical Method: SW7470A
Date Analyzed: Oct-13-2000
Time Analyzed 15:01
Analyst: Kelvin Choi

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	0.146	0.2	ug/L	B	1

Summary of Analytical Results

Client ID AB3006
GPL ID: 9180-015-06-1
Matrix: Water
Date Collected: Sep-28-2000
Date Received: Sep-29-2000

Prep Method: SW7470A_DIG
Prep Date: Oct-12-2000
Prep Time: 10:25
Prep Chemist: Kelvin Choi

Analytical Method: SW7470A
Date Analyzed: Oct-13-2000
Time Analyzed 15:04
Analyst: Kelvin Choi

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	BQL	0.2	ug/L	U	1

Summary of Analytical Results

Client ID AB3007
GPL ID: 9180-016-06-1
Matrix: Water
Date Collected: Sep-28-2000
Date Received: Sep-29-2000

Prep Method: SW7470A_DIG
Prep Date: Oct-12-2000
Prep Time: 10:25
Prep Chemist: Kelvin Choi

Analytical Method: SW7470A
Date Analyzed: Oct-13-2000
Time Analyzed 15:06
Analyst: Kelvin Choi

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	0.150	0.2	ug/L	B	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB3004 FILTERED
GPL ID: 9180-017-01-1
Matrix: Water
Date Collected: Sep-28-2000
Date Received: Sep-29-2000

Prep Method: SW7470A_DIG
Prep Date: Oct-12-2000
Prep Time: 10:25
Prep Chemist: Kelvin Choi

Analytical Method: SW7470A
Date Analyzed: Oct-13-2000
Time Analyzed 15:09
Analyst: Kelvin Choi

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	0.110	0.2	ug/L	B	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AA0468
GPL ID: 9180-002-05-1
Matrix: Soil
Date Collected: Sep-28-2000
Date Received: Sep-29-2000

Prep Method: SW7471_DIG
Prep Date: Oct-17-2000
Prep Time: 12:30
Prep Chemist: Kelvin Choi

Analytical Method: SW7471A
Date Analyzed: Oct-18-2000
Time Analyzed 10:37
Analyst: Kelvin Choi

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	BQL	0.043	mg/kg	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AA0469
GPL ID: 9180-003-05-1
Matrix: Soil
Date Collected: Sep-28-2000
Date Received: Sep-29-2000

Prep Method: SW7471_DIG
Prep Date: Oct-17-2000
Prep Time: 12:30
Prep Chemist: Kelvin Choi

Analytical Method: SW7471A
Date Analyzed: Oct-18-2000
Time Analyzed 10:40
Analyst: Kelvin Choi

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	0.022	0.04	mg/kg	B	1

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GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AA0470	**Prep Method: SW7471_DIG**	**Analytical Method: SW7471A**
GPL ID: 9180-004-05-1	**Prep Date: Oct-17-2000**	**Date Analyzed: Oct-18-2000**
Matrix: Soil	**Prep Time: 12:30**	**Time Analyzed 10:42**
Date Collected: Sep-28-2000	**Prep Chemist: Kelvin Choi**	**Analyst: Kelvin Choi**
Date Received: Sep-29-2000		

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	0.021	0.036	mg/kg	B	1

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Summary of Analytical Results

Client ID AA0471
GPL ID: 9180-005-05-1
Matrix: Soil
Date Collected: Sep-28-2000
Date Received: Sep-29-2000

Prep Method: SW7471_DIG
Prep Date: Oct-17-2000
Prep Time: 12:30
Prep Chemist: Kelvin Choi

Analytical Method: SW7471A
Date Analyzed: Oct-18-2000
Time Analyzed 10:50
Analyst: Kelvin Choi

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	BQL	0.038	mg/kg	U	1

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Summary of Analytical Results

Client ID AB0460	Prep Method: SW7471_DIG	Analytical Method: SW7471A
GPL ID: 9180-006-05-1	Prep Date: Oct-17-2000	Date Analyzed: Oct-18-2000
Matrix: Soil	Prep Time: 12:30	Time Analyzed 10:53
Date Collected: Sep-28-2000	Prep Chemist: Kelvin Choi	Analyst: Kelvin Choi
Date Received: Sep-29-2000		

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	0.059	0.037	mg/kg		1

Summary of Analytical Results

Client ID AB0461
GPL ID: 9180-007-05-1
Matrix: Soil
Date Collected: Sep-28-2000
Date Received: Sep-29-2000

Prep Method: SW7471_DIG
Prep Date: Oct-17-2000
Prep Time: 12:30
Prep Chemist: Kelvin Choi

Analytical Method: SW7471A
Date Analyzed: Oct-18-2000
Time Analyzed 10:56
Analyst: Kelvin Choi

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	BQL	0.039	mg/kg	U	1

Summary of Analytical Results

Client ID AB0462
GPL ID: 9180-008-05-1
Matrix: Soil
Date Collected: Sep-28-2000
Date Received: Sep-29-2000

Prep Method: SW7471_DIG
Prep Date: Oct-17-2000
Prep Time: 12:30
Prep Chemist: Kelvin Choi

Analytical Method: SW7471A
Date Analyzed: Oct-18-2000
Time Analyzed 11:04
Analyst: Kelvin Choi

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	BQL	0.036	mg/kg	U	1

Summary of Analytical Results

Client ID AB0466
GPL ID: 9180-009-05-1
Matrix: Soil
Date Collected: Sep-28-2000
Date Received: Sep-29-2000

Prep Method: SW7471_DIG
Prep Date: Oct-17-2000
Prep Time: 12:30
Prep Chemist: Kelvin Choi

Analytical Method: SW7471A
Date Analyzed: Oct-18-2000
Time Analyzed 11:06
Analyst: Kelvin Choi

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	BQL	0.038	mg/kg	U	1

Summary of Analytical Results

Client ID AB0467
GPL ID: 9180-010-05-1
Matrix: Soil
Date Collected: Sep-28-2000
Date Received: Sep-29-2000

Prep Method: SW7471_DIG
Prep Date: Oct-17-2000
Prep Time: 12:30
Prep Chemist: Kelvin Choi

Analytical Method: SW7471A
Date Analyzed: Oct-18-2000
Time Analyzed 11:09
Analyst: Kelvin Choi

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	BQL	0.038	mg/kg	U	1

Summary of Analytical Results

Client ID AB0468
GPL ID: 9180-011-05-1
Matrix: Soil
Date Collected: Sep-28-2000
Date Received: Sep-29-2000

Prep Method: SW7471_DIG
Prep Date: Oct-17-2000
Prep Time: 12:30
Prep Chemist: Kelvin Choi

Analytical Method: SW7471A
Date Analyzed: Oct-18-2000
Time Analyzed 11:12
Analyst: Kelvin Choi

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	0.113	0.036	mg/kg		1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB0471
GPL ID: 9180-012-05-1
Matrix: Soil
Date Collected: Sep-28-2000
Date Received: Sep-29-2000

Prep Method: SW7471_DIG
Prep Date: Oct-17-2000
Prep Time: 12:30
Prep Chemist: Kelvin Choi

Analytical Method: SW7471A
Date Analyzed: Oct-18-2000
Time Analyzed 11:14
Analyst: Kelvin Choi

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	0.026	0.037	mg/kg	B	1

Summary of Analytical Results

Client ID AB0472
GPL ID: 9180-013-05-1
Matrix: Soil
Date Collected: Sep-28-2000
Date Received: Sep-29-2000

Prep Method: SW7471_DIG
Prep Date: Oct-17-2000
Prep Time: 12:30
Prep Chemist: Kelvin Choi

Analytical Method: SW7471A
Date Analyzed: Oct-18-2000
Time Analyzed 11:17
Analyst: Kelvin Choi

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	BQL	0.032	mg/kg	U	1

TOTAL METALS

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BLANKS

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 09180S

Preparation Blank Matrix (soil/water): SOIL

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Aluminum	55.2	U	55.2	U	55.2	U	55.2	U	5.520	U	P
Antimony	2.7	U	2.7	U	2.7	U	2.7	U	0.270	U	P
Arsenic	4.0	U	4.0	U	4.6	B	4.0	B	0.400	U	P
Barium	0.5	U	0.5	U	0.5	U	0.5	U	0.077	B	P
Beryllium	0.1	U	0.1	U	0.1	U	0.1	U	0.010	U	P
Cadmium	0.4	U	0.4	U	0.4	U	0.4	U	0.040	U	P
Calcium	140.0	U	140.0	U	140.0	U	140.0	U	17.096	B	P
Chromium	0.6	U	0.6	U	0.6	U	0.6	U	0.060	U	P
Cobalt	1.3	U	1.3	U	1.3	U	1.3	U	0.130	U	P
Copper	1.0	U	1.0	U	1.0	U	1.0	U	0.135	B	P
Iron	17.7	U	17.7	U	17.7	U	19.4	B	1.770	U	P
Lead	1.3	U	1.3	U	1.3	U	1.4	B	0.153	B	P
Magnesium	6.0	U	16.5	B	12.5	B	31.4	B	2.923	B	P
Manganese	0.2	U	0.2	U	0.2	U	0.2	U	0.069	B	P
Mercury	0.1	U	0.1	U	0.1	U	0.1	U	0.017	U	CV
Nickel	1.0	U	1.0	U	1.0	U	1.0	U	0.100	U	P
Potassium	11.9	U	11.9	U	11.9	U	11.9	U	4.590	B	P
Selenium	3.3	U	3.3	U	3.3	U	3.3	U	0.330	U	P
Silver	1.8	U	1.8	U	1.8	U	1.8	U	0.180	U	P
Sodium	250.0	U	250.0	U	250.0	U	250.0	U	70.993	B	P
Thallium	5.0	U	5.0	U	5.0	U	5.0	U	-0.512	B	P
Vanadium	1.1	U	1.1	U	1.1	U	1.1	U	0.110	U	P
Zinc	4.2	U	4.2	U	4.2	U	4.2	U	0.420	U	P

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TOTAL METALS

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BLANKS

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 09180S

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Aluminum			55.2	U	55.2	U	55.2	U			P
Antimony			2.7	U	2.7	U	2.7	U			P
Arsenic			4.0	U	4.0	U	4.0	U			P
Barium			0.5	U	0.5	U	0.5	U			P
Beryllium			0.1	U	0.1	U	0.1	U			P
Cadmium			0.4	U	0.4	U	0.4	U			P
Calcium			140.0	U	140.0	U	140.0	U			P
Chromium			0.6	U	0.6	U	0.6	U			P
Cobalt			1.3	U	1.3	U	1.3	U			P
Copper			1.5	B	1.0	U	1.1	B			P
Iron			17.7	U	17.7	U	17.7	U			P
Lead			1.3	U	2.6	B	1.3	U			P
Magnesium			23.7	B	22.9	B	13.9	B			P
Manganese			0.2	B	0.2	U	0.2	U			P
Mercury			0.1	U	0.1	U	0.1	U			CV
Nickel			1.6	B	1.1	B	1.0	U			P
Potassium			13.1	B	11.9	U	18.3	B			P
Selenium			3.3	U	3.3	U	3.3	U			P
Silver			1.8	U	1.8	U	1.8	U			P
Sodium			250.0	U	250.0	U	250.0	U			P
Thallium			5.0	U	5.0	U	5.0	U			P
Vanadium			1.1	U	1.1	U	1.1	U			P
Zinc			4.2	U	4.2	U	4.2	U			P

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TOTAL METALS

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BLANKS

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 09180S

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Aluminum			55.2	U	55.2	U	55.2	U			P
Antimony			2.7	U	2.7	U	2.7	U			P
Arsenic			4.0	U	4.0	U	4.0	U			P
Barium			0.5	U	0.5	U	0.5	U			P
Beryllium			0.1	U	0.1	U	0.1	U			P
Cadmium			0.4	U	0.4	U	0.4	U			P
Calcium			140.0	U	140.0	U	140.0	U			P
Chromium			-0.6	B	0.6	U	0.6	U			P
Cobalt			1.3	U	1.3	U	1.3	U			P
Copper			1.0	U	1.0	U	1.0	U			P
Iron			17.7	U	17.7	U	17.7	U			P
Lead			1.3	U	1.4	B	1.5	B			P
Magnesium			14.7	B	25.6	B	17.2	B			P
Manganese			0.2	U	0.2	U	0.2	U			P
Nickel			1.0	U	1.0	U	1.4	B			P
Potassium			24.7	B	17.1	B	14.4	B			P
Selenium			3.3	U	3.3	U	3.3	U			P
Silver			1.8	U	1.8	U	1.8	U			P
Sodium			250.0	U	250.0	U	250.0	U			P
Thallium			5.0	U	5.0	U	5.0	U			P
Vanadium			1.1	U	1.1	U	1.1	U			P
Zinc			4.2	U	4.2	U	4.2	U			P

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TOTAL METALS

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BLANKS

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 09180S

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Aluminum			55.2	U	55.2	U					P
Antimony			2.7	U	2.7	U					P
Arsenic			4.4	B	4.0	U					P
Barium			0.5	U	0.5	U					P
Beryllium			0.1	U	0.1	U					P
Cadmium			0.4	U	0.4	U					P
Calcium			140.0	U	140.0	U					P
Chromium			0.6	U	-1.1	B					P
Cobalt			1.3	U	1.3	U					P
Copper			1.0	U	1.0	U					P
Iron			23.5	B	17.7	U					P
Lead			1.3	U	1.3	U					P
Magnesium			31.1	B	22.0	B					P
Manganese			0.4	B	0.2	U					P
Nickel			1.0	U	1.0	U					P
Potassium			14.2	B	14.9	B					P
Selenium			3.3	U	3.3	U					P
Silver			1.8	U	1.8	U					P
Sodium			250.0	U	250.0	U					P
Thallium			5.0	U	5.0	U					P
Vanadium			1.1	U	1.1	U					P
Zinc			4.2	U	4.2	U					P

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TOTAL METALS
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SPIKE SAMPLE RECOVERY

SAMPLE NO.

AA0470S

Contract:

Lab Code: Case No.: SAS SDG NO.: 09180S

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 89.9

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

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum	75 - 125	7722.5575		4491.6680		2202.67	146.7	N	P
Antimony	75 - 125	16.4615		0.6007	U	22.03	74.7		P
Arsenic	75 - 125	12.8533		2.3404		11.01	95.5		P
Barium	75 - 125	135.6069		23.8314		110.13	101.5		P
Beryllium	75 - 125	11.3375		0.2697		11.01	100.5		P
Cadmium	75 - 125	10.7261		0.0890	U	11.01	97.4		P
Calcium	75 - 125	2433.7278		1251.0229		1101.33	107.4		P
Chromium	75 - 125	50.8498		6.2902		44.05	101.2		P
Cobalt	75 - 125	109.5015		1.5370		110.13	98.0		P
Copper	75 - 125	61.3405		5.8214		55.07	100.8		P
Iron	75 - 125	9524.2173		7419.3820		2202.67	95.6		P
Lead	75 - 125	121.9214		15.3556		110.13	96.8		P
Magnesium	75 - 125	1871.7060		695.0394		1101.33	106.8		P
Manganese	75 - 125	217.1548		107.4247		110.13	99.6		P
Mercury	75 - 125	0.5443		0.0206	B	0.55	95.2		CV
Nickel	75 - 125	113.3704		4.9770		110.13	98.4		P
Potassium	75 - 125	1503.6098		334.0378		1101.33	106.2		P
Selenium	75 - 125	10.1432		0.7341	U	11.01	92.1		P
Silver	75 - 125	10.8012		0.4004	U	11.01	98.1		P
Sodium	75 - 125	1232.7259		96.3062	B	1101.33	103.2		P
Thallium	75 - 125	9.4293		1.1123	U	11.01	85.6		P
Vanadium	75 - 125	121.9199		11.4303		110.13	100.3		P
Zinc	75 - 125	134.6455		25.1620		110.13	99.4		P

Comments: 5028

TOTAL METALS

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DUPLICATES

SAMPLE NO.

AA0470D

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 09180S

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 89.9 % Solids for Duplicate: 89.9

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

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum		4491.6680		4561.2280		1.5		P
Antimony		0.6007	U	0.5947	U			P
Arsenic	1.1	2.3404		2.1947		6.4		P
Barium		23.8314		23.9959		0.7		P
Beryllium	0.2	0.2697		0.2764		2.5		P
Cadmium		0.0890	U	0.0881	U			P
Calcium		1251.0229		1244.1281		0.6		P
Chromium		6.2902		6.4695		2.8		P
Cobalt	1.1	1.5370		1.5462		0.6		P
Copper		5.8214		5.8545		0.6		P
Iron		7419.3820		7214.6396		2.8		P
Lead		15.3556		14.6049		5.0		P
Magnesium		695.0394		688.0824		1.0		P
Manganese		107.4247		104.0010		3.2		P
Mercury		0.0206	B	0.0253	B	20.4		CV
Nickel	1.1	4.9770		4.7966		3.7		P
Potassium		334.0378		331.7712		0.7		P
Selenium		0.7341	U	0.7269	U			P
Silver		0.4004	U	0.3965	U			P
Sodium		96.3062	B	122.3578	B	23.8		P
Thallium		1.1123	U	1.1013	U			P
Vanadium		11.4303		11.2199		1.9		P
Zinc		25.1620		25.2887		0.5		P

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TOTAL METALS
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LABORATORY CONTROL SAMPLE

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 09180S

Solid LCS Source: HIGH PURITY

Aqueous LCS Source:

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Aluminum				2000.0	1962.9		1600.0	2400.0	98.1
Antimony				20.0	18.6		16.0	24.0	93.0
Arsenic				10.0	10.0		8.0	12.0	99.9
Barium				100.0	98.8		80.0	120.0	98.8
Beryllium				10.0	9.9		8.0	12.0	99.2
Cadmium				10.0	9.7		8.0	12.0	96.7
Calcium				1000.0	972.5		800.0	1200.0	97.2
Chromium				40.0	39.2		32.0	48.0	97.9
Cobalt				100.0	96.5		80.0	120.0	96.4
Copper				50.0	49.6		40.0	60.0	99.3
Iron				2000.0	1901.2		1600.0	2400.0	95.1
Lead				100.0	97.7		80.0	120.0	97.7
Magnesium				1000.0	965.0		800.0	1200.0	96.5
Manganese				100.0	98.5		80.0	120.0	98.5
Mercury				0.5	0.5		0.4	0.6	95.3
Nickel				100.0	97.4		80.0	120.0	97.4
Potassium				1000.0	982.8		800.0	1200.0	98.3
Selenium				10.0	9.7		8.0	12.0	96.7
Silver				10.0	9.5		8.0	12.0	95.3
Sodium				1000.0	1052.0		800.0	1200.0	105.2
Thallium				10.0	9.0		8.0	12.0	89.8
Vanadium				100.0	97.7		80.0	120.0	97.7
Zinc				100.0	96.7		80.0	120.0	96.7

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TOTAL METALS

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BLANKS

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 09180W

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Aluminum	32.0	B	32.1	B	40.3	B	26.8	B	23.100	U	P
Antimony	3.7	U	4.0	B	3.7	U	3.7	U	3.700	U	P
Arsenic	3.2	U	3.2	U	3.2	U	3.2	U	3.200	U	P
Barium	0.6	U	0.6	U	0.6	U	0.6	U	0.600	U	P
Beryllium	0.1	B	0.1	B	0.1	U	0.1	U	0.100	U	P
Cadmium	0.4	U	0.4	U	0.4	U	0.4	U	0.400	U	P
Calcium	104.0	U	104.0	U	104.0	U	104.0	U	104.000	U	P
Chromium	0.8	U	0.8	U	0.8	U	0.8	U	0.800	U	P
Cobalt	0.9	U	0.9	U	0.9	U	0.9	U	0.900	U	P
Copper	1.2	U	1.2	U	1.2	U	1.2	U	1.200	U	P
Iron	20.3	B	21.3	B	26.6	B	18.0	B	16.019	B	P
Lead	1.5	U	1.5	U	1.5	U	1.5	U	1.500	U	P
Magnesium	22.4	U	24.5	B	29.3	B	32.5	B	25.524	B	P
Manganese	0.4	U	0.4	U	0.4	U	0.4	U	0.400	U	P
Mercury	0.1	U	0.1	U	-0.1	B	0.1	U	0.100	U	CV
Nickel	2.0	U	2.0	U	2.0	U	2.0	U	2.000	U	P
Potassium	9.1	U	14.8	B	9.1	U	9.1	U	9.275	B	P
Selenium	2.3	U	2.5	B	2.3	U	3.6	B	2.300	U	P
Silver	0.7	U	0.7	U	0.7	U	-1.0	B	0.700	U	P
Sodium	198.0	U	227.2	B	198.0	U	198.0	U	198.000	U	P
Thallium	5.5	U	5.5	U	5.5	U	5.5	U	5.500	U	P
Vanadium	0.9	U	0.9	U	0.9	U	-1.0	B	0.900	U	P
Zinc	4.0	U	4.0	U	4.0	U	4.0	U	4.000	U	P

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TOTAL METALS

-3-

BLANKS

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 09180W

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Aluminum			23.1	U	23.1	U	23.1	U			P
Antimony			3.7	U	3.7	U	3.7	U			P
Arsenic			3.2	U	3.2	U	3.2	U			P
Barium			0.6	U	0.6	U	0.6	U			P
Beryllium			0.1	U	0.1	U	0.1	U			P
Cadmium			0.4	U	0.4	U	0.4	U			P
Calcium			104.0	U	104.0	U	104.0	U			P
Chromium			0.8	U	0.8	U	0.8	U			P
Cobalt			0.9	U	0.9	U	0.9	U			P
Copper			1.2	U	1.2	U	-1.2	B			P
Iron			21.3	B	19.8	B	15.0	U			P
Lead			1.5	U	1.5	U	1.5	U			P
Magnesium			22.4	U	22.4	U	22.4	U			P
Manganese			0.4	U	0.4	U	0.4	U			P
Mercury			0.1	U							CV
Nickel			2.0	U	2.0	U	2.0	U			P
Potassium			10.4	B	9.1	U	9.1	U			P
Selenium			2.3	B	2.3	U	2.3	U			P
Silver			0.7	U	0.7	U	0.7	U			P
Sodium			198.0	U	198.0	U	198.0	U			P
Thallium			5.5	U	5.5	U	5.5	U			P
Vanadium			0.9	U	0.9	U	-1.0	B			P
Zinc			4.0	U	4.0	U	4.0	U			P

5059

TOTAL METALS
-5A-
SPIKE SAMPLE RECOVERY

SAMPLE NO.

10016-014-07-1S

Contract:

Lab Code: Case No.: SAS SDG NO.: 09180W

Matrix (soil/water): WATER Level (low/med): LOW

% Solids for Sample: 0.0

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

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum	75 - 125	2093.5544		41.6487	B	2000.00	102.6		P
Antimony	75 - 125	101.4350		3.7000	U	100.00	101.4		P
Arsenic	75 - 125	39.1311		3.2000	U	40.00	97.8		P
Barium	75 - 125	2096.9795		57.5852		2000.00	102.0		P
Beryllium	75 - 125	52.0939		0.1000	U	50.00	104.2		P
Cadmium	75 - 125	50.5918		0.4000	U	50.00	101.2		P
Calcium		78786.5781		73207.5859		5000.00	111.6		P
Chromium	75 - 125	206.4712		0.8000	U	200.00	103.2		P
Cobalt	75 - 125	504.8947		1.7970	B	500.00	100.6		P
Copper	75 - 125	259.6539		2.7253	B	250.00	102.8		P
Iron	75 - 125	1125.0042		136.6116		1000.00	98.8		P
Lead	75 - 125	21.1290		1.5000	U	20.00	105.6		P
Magnesium	75 - 125	22178.1523		17023.4219		5000.00	103.1		P
Manganese	75 - 125	952.1090		438.0971		500.00	102.8		P
Nickel	75 - 125	510.4955		2.0000	U	500.00	102.1		P
Potassium	75 - 125	2159.0491		1095.9722		1000.00	106.3		P
Selenium	75 - 125	60.2860		2.3000	U	60.00	100.5		P
Silver	75 - 125	51.1713		0.8103	B	50.00	100.7		P
Sodium	75 - 125	14764.5859		9698.5176		5000.00	101.3		P
Thallium	75 - 125	47.7728		5.5000	U	50.00	95.5		P
Vanadium	75 - 125	514.7593		0.9000	U	500.00	103.0		P
Zinc	75 - 125	659.5112		150.2780		500.00	101.8		P

Comments: 5062

TOTAL METALS
-5A-
SPIKE SAMPLE RECOVERY

SAMPLE NO.

0010046-01S

Contract:

Lab Code: Case No.: SAS SDG NO.: 09180W

Matrix (soil/water): WATER Level (low/med): LOW

% Solids for Sample: 0.0

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

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Mercury	75 - 125	1.1800		0.1000	U	1.00	118.0		CV

Comments: ~~5061~~

TOTAL METALS

-6-

DUPLICATES

SAMPLE NO.

0010046-01D

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 09180W

Matrix (soil/water): WATER Level (low/med): LOW

% Solids for Sample: 0.0 % Solids for Duplicate:

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

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Mercury		0.1000	U	0.1000	U			CV

5063

TOTAL METALS

-6-

DUPLICATES

SAMPLE NO.

10016-014-07-1D

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 09180W

Matrix (soil/water): WATER Level (low/med): LOW

% Solids for Sample: 0.0 % Solids for Duplicate:

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

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum		41.6487	B	28.8769	B	36.2		P
Antimony		3.7000	U	3.7000	U			P
Arsenic	5.0	3.2000	U	5.0689		200.0	*	P
Barium		57.5852		57.1664		0.7		P
Beryllium		0.1000	U	0.1000	U			P
Cadmium		0.4000	U	0.4000	U			P
Calcium		73207.5859		72699.1172		0.7		P
Chromium		0.8000	U	0.9615	B	200.0		P
Cobalt		1.7970	B	1.9397	B	7.6		P
Copper		2.7253	B	2.1063	B	25.6		P
Iron	100.0	136.6116		138.8935		1.7		P
Lead		1.5000	U	1.5000	U			P
Magnesium		17023.4219		16918.6133		0.6		P
Manganese		438.0971		434.1892		0.9		P
Nickel		2.0000	U	2.0000	U			P
Potassium	250.0	1095.9722		1040.2321		5.2		P
Selenium		2.3000	U	2.3000	U			P
Silver		0.8103	B	0.7000	U	200.0		P
Sodium		9698.5176		9655.5010		0.4		P
Thallium		5.5000	U	5.5000	U			P
Vanadium		0.9000	U	0.9000	U			P
Zinc		150.2780		149.9523		0.2		P

5064

TOTAL METALS

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LABORATORY CONTROL SAMPLE

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 09180W

Solid LCS Source:

Aqueous LCS Source: HIGH PURITY

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Aluminum	2000.0	2044.83	102.2						
Antimony	100.0	100.55	100.6						
Arsenic	40.0	38.15	95.4						
Barium	2000.0	1992.86	99.6						
Beryllium	50.0	50.89	101.8						
Cadmium	50.0	50.65	101.3						
Calcium	5000.0	5112.04	102.2						
Chromium	200.0	203.50	101.8						
Cobalt	500.0	498.46	99.7						
Copper	250.0	255.69	102.3						
Iron	1000.0	1009.70	101.0						
Lead	20.0	20.41	102.1						
Magnesium	5000.0	5058.95	101.2						
Manganese	500.0	505.72	101.1						
Mercury	1.0	1.00	100.0						
Nickel	500.0	506.20	101.2						
Potassium	1000.0	1069.20	106.9						
Selenium	60.0	61.16	101.9						
Silver	50.0	50.23	100.5						
Sodium	5000.0	5234.68	104.7						
Thallium	50.0	49.12	98.2						
Vanadium	500.0	504.69	100.9						
Zinc	500.0	508.43	101.7						

5065

Summary of Analytical Results

Client ID AB3004
GPL ID: 9180-014-09-1/2
Matrix: Water
Date Collected: Sep-28-2000
Date Received: Sep-29-2000

Prep Method: SW3520C
Prep Date: Oct-04-2000
Prep Time: 15:21
Prep Chemist: Veena Telhan

Analytical Method: SW8082
Date Analyzed: Oct-09-2000
Time Analyzed 11:25
Analyst: Philipos Yosief

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	1	ug/L	U	1
PCB-1221	BQL	1	ug/L	U	1
PCB-1232	BQL	1	ug/L	U	1
PCB-1242	BQL	1	ug/L	U	1
PCB-1248	BQL	1	ug/L	U	1
PCB-1254	BQL	1	ug/L	U	1
PCB-1260	BQL	2	ug/L	U	1

Summary of Analytical Results

Client ID AB3006
GPL ID: 9180-015-09-1/2
Matrix: Water
Date Collected: Sep-28-2000
Date Received: Sep-29-2000

Prep Method: SW3520C
Prep Date: Oct-04-2000
Prep Time: 15:21
Prep Chemist: Veena Telhan

Analytical Method: SW8082
Date Analyzed: Oct-09-2000
Time Analyzed 11:52
Analyst: Philipos Yosief

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	1.05	ug/L	U	1
PCB-1221	BQL	1.05	ug/L	U	1
PCB-1232	BQL	1.05	ug/L	U	1
PCB-1242	BQL	1.05	ug/L	U	1
PCB-1248	BQL	1.05	ug/L	U	1
PCB-1254	BQL	1.05	ug/L	U	1
PCB-1260	BQL	2.11	ug/L	U	1

Summary of Analytical Results

Client ID AB3007
GPL ID: 9180-016-09-1/2
Matrix: Water
Date Collected: Sep-28-2000
Date Received: Sep-29-2000

Prep Method: SW3520C
Prep Date: Oct-04-2000
Prep Time: 15:21
Prep Chemist: Veena Telhan

Analytical Method: SW8082
Date Analyzed: Oct-09-2000
Time Analyzed 12:19
Analyst: Philipos Yosief

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	1.11	ug/L	U	1
PCB-1221	BQL	1.11	ug/L	U	1
PCB-1232	BQL	1.11	ug/L	U	1
PCB-1242	BQL	1.11	ug/L	U	1
PCB-1248	BQL	1.11	ug/L	U	1
PCB-1254	BQL	1.11	ug/L	U	1
PCB-1260	BQL	2.22	ug/L	U	1

Summary of Analytical Results

Client ID AA0468
GPL ID: 9180-002-04-1
Matrix: Soil
Date Collected: Sep-28-2000
Date Received: Sep-29-2000

Prep Method: SW3550
Prep Date: Oct-06-2000
Prep Time: 10:38
Prep Chemist: Shila Soleimani

Analytical Method: SW8082
Date Analyzed: Oct-11-2000
Time Analyzed 07:02
Analyst: Amy Edwards

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	43.3	ug/kg	U	1
PCB-1221	BQL	43.3	ug/kg	U	1
PCB-1232	BQL	43.3	ug/kg	U	1
PCB-1242	BQL	43.3	ug/kg	U	1
PCB-1248	BQL	43.3	ug/kg	U	1
PCB-1254	BQL	43.3	ug/kg	U	1
PCB-1260	12.5	86.6	ug/kg	J	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AA0469
GPL ID: 9180-003-04-1
Matrix: Soil
Date Collected: Sep-28-2000
Date Received: Sep-29-2000

Prep Method: SW3550
Prep Date: Oct-06-2000
Prep Time: 10:38
Prep Chemist: Shila Soleimani

Analytical Method: SW8082
Date Analyzed: Oct-11-2000
Time Analyzed 07:30
Analyst: Amy Edwards

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	41.5	ug/kg	U	1
PCB-1221	BQL	41.5	ug/kg	U	1
PCB-1232	BQL	41.5	ug/kg	U	1
PCB-1242	BQL	41.5	ug/kg	U	1
PCB-1248	BQL	41.5	ug/kg	U	1
PCB-1254	BQL	41.5	ug/kg	U	1
PCB-1260	BQL	82.9	ug/kg	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AA0470
GPL ID: 9180-004-04-1
Matrix: Soil
Date Collected: Sep-28-2000
Date Received: Sep-29-2000

Prep Method: SW3550
Prep Date: Oct-06-2000
Prep Time: 10:38
Prep Chemist: Shila Soleimani

Analytical Method: SW8082
Date Analyzed: Oct-11-2000
Time Analyzed 07:57
Analyst: Amy Edwards

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	37.1	ug/kg	U	1
PCB-1221	BQL	37.1	ug/kg	U	1
PCB-1232	BQL	37.1	ug/kg	U	1
PCB-1242	BQL	37.1	ug/kg	U	1
PCB-1248	BQL	37.1	ug/kg	U	1
PCB-1254	BQL	37.1	ug/kg	U	1
PCB-1260	44.8	74.2	ug/kg	J	1

Summary of Analytical Results

Client ID AA0471
GPL ID: 9180-005-04-1
Matrix: Soil
Date Collected: Sep-28-2000
Date Received: Sep-29-2000

Prep Method: SW3550
Prep Date: Oct-06-2000
Prep Time: 10:38
Prep Chemist: Shila Soleimani

Analytical Method: SW8082
Date Analyzed: Oct-11-2000
Time Analyzed 08:24
Analyst: Amy Edwards

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	40.8	ug/kg	U	1
PCB-1221	BQL	40.8	ug/kg	U	1
PCB-1232	BQL	40.8	ug/kg	U	1
PCB-1242	BQL	40.8	ug/kg	U	1
PCB-1248	BQL	40.8	ug/kg	U	1
PCB-1254	BQL	40.8	ug/kg	U	1
PCB-1260	BQL	81.7	ug/kg	U	1

Summary of Analytical Results

Client ID AB0460
GPL ID: 9180-006-04-1
Matrix: Soil
Date Collected: Sep-28-2000
Date Received: Sep-29-2000

Prep Method: SW3550
Prep Date: Oct-06-2000
Prep Time: 10:38
Prep Chemist: Shila Soleimani

Analytical Method: SW8082
Date Analyzed: Oct-11-2000
Time Analyzed 09:46
Analyst: Amy Edwards

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	37.3	ug/kg	U	1
PCB-1221	BQL	37.3	ug/kg	U	1
PCB-1232	BQL	37.3	ug/kg	U	1
PCB-1242	BQL	37.3	ug/kg	U	1
PCB-1248	BQL	37.3	ug/kg	U	1
PCB-1254	BQL	37.3	ug/kg	U	1
PCB-1260	183	74.6	ug/kg		1

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GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB0461
GPL ID: 9180-007-04-1
Matrix: Soil
Date Collected: Sep-28-2000
Date Received: Sep-29-2000

Prep Method: SW3550
Prep Date: Oct-06-2000
Prep Time: 10:38
Prep Chemist: Shila Soleimani

Analytical Method: SW8082
Date Analyzed: Oct-11-2000
Time Analyzed 10:13
Analyst: Amy Edwards

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	40.1	ug/kg	U	1
PCB-1221	BQL	40.1	ug/kg	U	1
PCB-1232	BQL	40.1	ug/kg	U	1
PCB-1242	BQL	40.1	ug/kg	U	1
PCB-1248	BQL	40.1	ug/kg	U	1
PCB-1254	BQL	40.1	ug/kg	U	1
PCB-1260	160	80.2	ug/kg		1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB0462
GPL ID: 9180-008-04-1
Matrix: Soil
Date Collected: Sep-28-2000
Date Received: Sep-29-2000

Prep Method: SW3550
Prep Date: Oct-06-2000
Prep Time: 10:38
Prep Chemist: Shila Soleimani

Analytical Method: SW8082
Date Analyzed: Oct-11-2000
Time Analyzed 10:41
Analyst: Amy Edwards

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	36.2	ug/kg	U	1
PCB-1221	BQL	36.2	ug/kg	U	1
PCB-1232	BQL	36.2	ug/kg	U	1
PCB-1242	BQL	36.2	ug/kg	U	1
PCB-1248	BQL	36.2	ug/kg	U	1
PCB-1254	BQL	36.2	ug/kg	U	1
PCB-1260	103	72.5	ug/kg		1

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GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB0466
GPL ID: 9180-009-04-1
Matrix: Soil
Date Collected: Sep-28-2000
Date Received: Sep-29-2000

Prep Method: SW3550
Prep Date: Oct-06-2000
Prep Time: 10:38
Prep Chemist: Shila Soleimani

Analytical Method: SW8082
Date Analyzed: Oct-11-2000
Time Analyzed 11:08
Analyst: Amy Edwards

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	38.3	ug/kg	U	1
PCB-1221	BQL	38.3	ug/kg	U	1
PCB-1232	BQL	38.3	ug/kg	U	1
PCB-1242	BQL	38.3	ug/kg	U	1
PCB-1248	BQL	38.3	ug/kg	U	1
PCB-1254	BQL	38.3	ug/kg	U	1
PCB-1260	76.8	76.6	ug/kg		1

Summary of Analytical Results

Client ID AB0467
GPL ID: 9180-010-04-1
Matrix: Soil
Date Collected: Sep-28-2000
Date Received: Sep-29-2000

Prep Method: SW3550
Prep Date: Oct-06-2000
Prep Time: 10:38
Prep Chemist: Shila Soleimani

Analytical Method: SW8082
Date Analyzed: Oct-11-2000
Time Analyzed 11:35
Analyst: Amy Edwards

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	39.5	ug/kg	U	1
PCB-1221	BQL	39.5	ug/kg	U	1
PCB-1232	BQL	39.5	ug/kg	U	1
PCB-1242	BQL	39.5	ug/kg	U	1
PCB-1248	BQL	39.5	ug/kg	U	1
PCB-1254	BQL	39.5	ug/kg	U	1
PCB-1260	106	78.9	ug/kg		1

Summary of Analytical Results

Client ID AB0468
GPL ID: 9180-011-04-1
Matrix: Soil
Date Collected: Sep-28-2000
Date Received: Sep-29-2000

Prep Method: SW3550
Prep Date: Oct-06-2000
Prep Time: 10:38
Prep Chemist: Shila Soleimani

Analytical Method: SW8082
Date Analyzed: Oct-18-2000
Time Analyzed 12:42
Analyst: Amy Edwards

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	37.6	ug/kg	U	1
PCB-1221	BQL	37.6	ug/kg	U	1
PCB-1232	BQL	37.6	ug/kg	U	1
PCB-1242	BQL	37.6	ug/kg	U	1
PCB-1248	BQL	37.6	ug/kg	U	1
PCB-1254	BQL	37.6	ug/kg	U	1
PCB-1260	61.3	75.2	ug/kg	J	1

Summary of Analytical Results

Client ID AB0471
GPL ID: 9180-012-04-1
Matrix: Soil
Date Collected: Sep-28-2000
Date Received: Sep-29-2000

Prep Method: SW3550
Prep Date: Oct-06-2000
Prep Time: 10:38
Prep Chemist: Shila Soleimani

Analytical Method: SW8082
Date Analyzed: Oct-11-2000
Time Analyzed 12:35
Analyst: Amy Edwards

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	38	ug/kg	U	1
PCB-1221	BQL	38	ug/kg	U	1
PCB-1232	BQL	38	ug/kg	U	1
PCB-1242	BQL	38	ug/kg	U	1
PCB-1248	BQL	38	ug/kg	U	1
PCB-1254	BQL	38	ug/kg	U	1
PCB-1260	59.2	76	ug/kg	J	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB0472
GPL ID: 9180-013-04-1
Matrix: Soil
Date Collected: Sep-28-2000
Date Received: Sep-29-2000

Prep Method: SW3550
Prep Date: Oct-06-2000
Prep Time: 10:38
Prep Chemist: Shila Soleimani

Analytical Method: SW8082
Date Analyzed: Oct-11-2000
Time Analyzed 13:06
Analyst: Amy Edwards

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	42	ug/kg	U	1
PCB-1221	BQL	42	ug/kg	U	1
PCB-1232	BQL	42	ug/kg	U	1
PCB-1242	BQL	42	ug/kg	U	1
PCB-1248	BQL	42	ug/kg	U	1
PCB-1254	BQL	42	ug/kg	U	1
PCB-1260	40.5	83.9	ug/kg	J	1

2E
WATER PESTICIDE SURROGATE RECOVERY

Lab Name: GPL LABORATORIES, LLLP Project: IT CORPORATIO

Lab Code: GPL WO No.: 9180 SAS No.: N/A SDG No.: N/A

GC Column (1) : RTx-5 ID: 0.53 (mm) GC Column (2) : RTx-1701 ID: 0.53 (mm)

	CLIENT SAMPLE ID	TCX 1 %REC #	TCX 2 %REC #	DCB 1 %REC #	DCB 2 %REC #	TOT OUT
01	PBLK-7177	85	89	85	87	0
02	PLCS-7177	99	94	91	95	0
03	AB3004	97	107	45	49	0
04	AB3006	101	114*	76	77	1
05	AB3007	98	89	43	49	0
06	AB3007- MS	101	100	84	89	0
07	AB3007-MSD	103	100	74	76	0

			ADVISORY QC LIMITS
TCX	=	Tetrachloro-m-xylene	(23-112)
DCB	=	Decachlorobiphenyl	(21-134)

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate diluted out

3003

2F
SOIL PESTICIDE SURROGATE RECOVERY

Lab Name: GPL LABORATORIES Contract: IT CORPORATIO

Lab Code: GPLL Case No.: 9180 SAS No.: N/A SDG No.: N/A

GC Column (1) : RTx-5 ID: 0.53 (mm) GC Column (2) : RTx-1701 ID: 0.53 (mm)

	CLIENT SAMPLE ID	TCX 1 %REC #	TCX 2 %REC #	DCB 1 %REC #	DCB 2 %REC #	TOT OUT
01	BLK7209	105	110	83	86	0
02	BKS7209	110	113	89	105	0
03	AA0468	87	78	84	86	0
04	AA0469	79	87	87	85	0
05	AA0470	107	82	102	89	0
06	AA0471	93	95	96	99	0
AB 07	AA0460	72	70	83	76	0
AB 08	AA0461	0*	0*	151	100	2
09	AA0462	0*	90	96	98	1
10	AA0466	0*	64	90	89	1
11	AA0467	169	83	126	82	0
12	AA0471	91	68	87	91	0
13	AA0472	44	49	69	53	0
14	AA0471 MS	94	89	112	83	0
15	AA0471 MSD	100	100	92	97	0
16	AB0468	138	125	130	88	0

			ADVISORY QC LIMITS
TCX	=	Tetrachloro-m-xylene	(19-191)
DCB	=	Decachlorobiphenyl	(21-155)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogate diluted out

3004

3E

WATER PCB's MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: GPL Laboratories | Client: IT_CORPRATION

Lab Code: GPL | Case No.: 9180 | SAS No.: N/A | SDG No.: N/A

EPA Sample No.: AB3007 | GP ID: 9180-016

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENTRATION (ug/kg)	MS CONCENTRATION (ug/kg)	MS % REC	QC LIMITS REC.
AR 1016	11	0	14	128	54-150
AR 1260	22	0	21	93	70-131

COMPOUND	SPIKE ADDED (ug/kg)	MSD CONCENTRATION (ug/kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC.
AR 1016	11	14	125	3	20	54-150
AR 1260	22	20	89	5	20	70-131

* Value outside of QC limits

RPD: 0 of 2 outside limits.

Spike Recovery: 0 of 4 outside limits.

COMMENTS:

3005

3E

SOIL PCB's MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: GPL Laboratories Client: IT_CORPORATION

Lab Code: GPL Case No.: 9180 SAS No.: N/A SDG No.: N/A

EPA Sample No.: AA0471 MS/MSD GP ID: 9180-012 MS/MSD

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENTRATION (ug/kg)	MS CONCENTRATION (ug/kg)	MS % REC	QC LIMITS REC.
AR 1016	190	0	160	84	58-133
AR 1260	380	0	380	101	40-159

COMPOUND	SPIKE ADDED (ug/kg)	MSD CONCENTRATION (ug/kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC.
AR 1016	190	170	88	4	20	58-133
AR 1260	380	390	101	1	15	40-159

* Value outside of QC limits

RPD: 0 of 2 outside limits.

Spike Recovery: 0 of 4 outside limits.

COMMENTS:

3E
WATER LABORATORY CONTROL SPIKE RECOVERY

Lab Name: GPL Laboratories | Client: IT_CORPORATION

Lab Code: GPL | Case No.: 9180 | SAS No.: N/A | SDG No.: N/A

EPA Sample No.: PLCS-7177 | GP ID: PLCS-7177 MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC
AR 1016	5	0	6.6	131	54-164
AR 1260	10	0	8.6	86	80-145

* Value outside of QC limits

Spike recovery: 0 out of 2 outside limits.

COMMENTS:

3007

3E
SOIL LABORATORY CONTROL SPIKE RECOVERY

Lab Name: GPL Laboratories | Client: IT_CORPORATION

Lab Code: GPL | Case No.: 9180 | SAS No.: N/A | SDG No.: N/A

EPA Sample No.: BKS7209 | GP ID: 9180-PBLK7209 MS

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENTRATION (ug/kg)	LCS CONCENTRATION (ug/kg)	LCS % REC	QC LIMITS REC
AR 1016	170	0	160	95	54-164
AR 1260	330	0	290	87	80-145

* Value outside of QC limits

Spike recovery: 0 out of 2 outside limits.

COMMENTS:

3008

4C

PESTICIDE METHOD BLANK SUMMARY

CLIENT ID

PBLK-7177

Lab Name: GPL LABORATORIES, LLLP Project: IT CORPORAT

Lab Code: GPL WO No.: 9180 SAS No.: N/A SDG No.: N/A

Lab Sample ID: 9180-PBLK-7177 Lab File ID: K4160P.D

Matrix: (soil/water) WATER Extraction: (SepF/Cont/Sonc) CONT

Sulfur Cleanup: (Y/N) N Date Extracted: 10/04/00

Date Analyzed (1) : 10/09/00 Date Analyzed (2) : 10/09/00

Time Analyzed (1) : 1030 Time Analyzed (2) : 1030

Instrument ID (1) : GC-K Instrument ID (2) : GC-K

GC Column (1) : RTx-5 ID: 0.53 (mm) GC Column (2) : RTx-1701 ID: 0.53 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	PLCS-7177	9180-PBLK-7177 MS	10/09/00	10/09/00
02	AB3004	9180-014-09-1/2	10/09/00	10/09/00
03	AB3006	9180-015-09-1/2	10/09/00	10/09/00
04	AB3007	9180-016-09-1/2	10/09/00	10/09/00
05	AB3007- MS	9180-016-09-1/2 MS	10/09/00	10/09/00
06	AB3007-MSD	9180-016-09-1/2 MSD	10/09/00	10/09/00

COMMENTS:

3003

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

BLK7209

Lab Name: GPL LABORATORIES Contract: IT CORPORAT

Lab Code: GPLL Case No.: 9180 SAS No.: N/A SDG No.: N/A

Lab Sample ID: 9180-PBLK-7209 Lab File ID: K4217P.D

Matrix: (soil/water) SOIL Extraction: (SepF/Cont/Sonc) SONC

Sulfur Cleanup: (Y/N) N Date Extracted: 10/06/00

Date Analyzed (1) : 10/11/00 Date Analyzed (2) : 10/11/00

Time Analyzed (1) : 0045 Time Analyzed (2) : 0045

Instrument ID (1) : GC-K Instrument ID (2) : GC-K

GC Column (1) : RTx-5 ID: 0.53 (mm) GC Column (2) : RTx-1701 ID: 0.53 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	BKS7209	9180-PBLK-7209 MS	10/11/00	10/11/00
02	AA0468	9180-002-04-1	10/11/00	10/11/00
03	AA0469	9180-003-04-1	10/11/00	10/11/00
04	AA0470	9180-004-04-1	10/11/00	10/11/00
05	AA0471	9180-005-04-1	10/11/00	10/11/00
AB 06	~~AA~~0460	9180-006-04-1	10/11/00	10/11/00
07	~~AA~~0461	9180-007-04-1	10/11/00	10/11/00
08	~~AA~~0462	9180-008-04-1	10/11/00	10/11/00
09	~~AA~~0466	9180-009-04-1	10/11/00	10/11/00
10	~~AA~~0467	9180-010-04-1	10/11/00	10/11/00
11	~~AA~~0471	9180-012-04-1	10/11/00	10/11/00
12	~~AA~~0472	9180-013-04-1	10/11/00	10/11/00
13	~~AA~~0471 MS	9180-012-04-1 MS	10/11/00	10/11/00
14	~~AA~~0471 MSD	9180-012-04-1 MSD	10/11/00	10/11/00
15	AB0468	9180-011-04-1 RE-RUN	10/18/00	10/18/00

MM 12/1/00

COMMENTS:

3010

Summary of Analytical Results

Client ID AA0468
GPL ID: 9180-002-01-1/3
Matrix: Soil
Date Collected: Sep-28-2000
Date Received: Sep-29-2000

Prep Method: SW5035
Prep Date: Oct-05-2000
Prep Time: 07:48
Prep Chemist: NAZIH ABADEER

Analytical Method: SW8260B_TCL
Date Analyzed: Oct-05-2000
Time Analyzed 13:52
Analyst: NAZIH ABADEER

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	7.41	ug/kg	U	1
1,1,2,2-Tetrachloroethane	BQL	7.41	ug/kg	U	1
1,1,2-Trichloroethane	BQL	7.41	ug/kg	U	1
1,1-Dichloroethane	BQL	7.41	ug/kg	U	1
1,1-Dichloroethene	BQL	7.41	ug/kg	U	1
1,2-Dichloroethane	BQL	7.41	ug/kg	U	1
1,2-Dichloropropane	BQL	7.41	ug/kg	U	1
2-Butanone	BQL	14.8	ug/kg	U	1
2-Hexanone	BQL	14.8	ug/kg	U	1
4-Methyl-2-Pentanone	BQL	14.8	ug/kg	U	1
Acetone	BQL	14.8	ug/kg	U	1
Benzene	BQL	7.41	ug/kg	U	1
Bromodichloromethane	BQL	7.41	ug/kg	U	1
Bromoform	BQL	7.41	ug/kg	U	1
Bromomethane	BQL	14.8	ug/kg	U	1
Carbon Disulfide	BQL	7.41	ug/kg	U	1
Carbon Tetrachloride	BQL	7.41	ug/kg	U	1
Chlorobenzene	BQL	7.41	ug/kg	U	1
Chloroethane	BQL	14.8	ug/kg	U	1
Chloroform	BQL	7.41	ug/kg	U	1
Chloromethane	BQL	14.8	ug/kg	U	1
Dibromochloromethane	BQL	7.41	ug/kg	U	1
Ethylbenzene	BQL	7.41	ug/kg	U	1
Methylene Chloride	7.14	7.41	ug/kg	JB	1
Styrene	BQL	7.41	ug/kg	U	1
Tetrachloroethene	BQL	7.41	ug/kg	U	1
Toluene	13.0	7.41	ug/kg		1
Trichloroethene	BQL	7.41	ug/kg	U	1
Vinyl Chloride	BQL	14.8	ug/kg	U	1
cis-1,2-Dichloroethene	BQL	7.41	ug/kg	U	1
cis-1,3-Dichloropropene	BQL	7.41	ug/kg	U	1
m,p-Xylenes	BQL	7.41	ug/kg	U	1
o-Xylene	BQL	7.41	ug/kg	U	1
trans-1,2-dichloroethene	BQL	7.41	ug/kg	U	1
trans-1,3-dichloropropene	BQL	7.41	ug/kg	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AA0469
GPL ID: 9180-003-01-1/3
Matrix: Soil
Date Collected: Sep-28-2000
Date Received: Sep-29-2000

Prep Method: SW5035
Prep Date: Oct-05-2000
Prep Time: 07:48
Prep Chemist: NAZIH ABADEER

Analytical Method: SW8260B_TCL
Date Analyzed: Oct-05-2000
Time Analyzed 14:33
Analyst: NAZIH ABADEER

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	6.04	ug/kg	U	1
1,1,2,2-Tetrachloroethane	BQL	6.04	ug/kg	U	1
1,1,2-Trichloroethane	BQL	6.04	ug/kg	U	1
1,1-Dichloroethane	BQL	6.04	ug/kg	U	1
1,1-Dichloroethene	BQL	6.04	ug/kg	U	1
1,2-Dichloroethane	BQL	6.04	ug/kg	U	1
1,2-Dichloropropane	BQL	6.04	ug/kg	U	1
2-Butanone	BQL	12.1	ug/kg	U	1
2-Hexanone	BQL	12.1	ug/kg	U	1
4-Methyl-2-Pentanone	BQL	12.1	ug/kg	U	1
Acetone	22.1	12.1	ug/kg		1
Benzene	BQL	6.04	ug/kg	U	1
Bromodichloromethane	BQL	6.04	ug/kg	U	1
Bromoform	BQL	6.04	ug/kg	U	1
Bromomethane	BQL	12.1	ug/kg	U	1
Carbon Disulfide	9.17	6.04	ug/kg		1
Carbon Tetrachloride	BQL	6.04	ug/kg	U	1
Chlorobenzene	BQL	6.04	ug/kg	U	1
Chloroethane	BQL	12.1	ug/kg	U	1
Chloroform	BQL	6.04	ug/kg	U	1
Chloromethane	BQL	12.1	ug/kg	U	1
Dibromochloromethane	BQL	6.04	ug/kg	U	1
Ethylbenzene	BQL	6.04	ug/kg	U	1
Methylene Chloride	6.12	6.04	ug/kg	B	1
Styrene	BQL	6.04	ug/kg	U	1
Tetrachloroethene	BQL	6.04	ug/kg	U	1
Toluene	1.96	6.04	ug/kg	J	1
Trichloroethene	BQL	6.04	ug/kg	U	1
Vinyl Chloride	BQL	12.1	ug/kg	U	1
cis-1,2-Dichloroethene	BQL	6.04	ug/kg	U	1
cis-1,3-Dichloropropene	BQL	6.04	ug/kg	U	1
m,p-Xylenes	BQL	6.04	ug/kg	U	1
o-Xylene	BQL	6.04	ug/kg	U	1
trans-1,2-dichloroethene	BQL	6.04	ug/kg	U	1
trans-1,3-dichloropropene	BQL	6.04	ug/kg	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AA0470
GPL ID: 9180-004-01-1/3
Matrix: Soil
Date Collected: Sep-28-2000
Date Received: Sep-29-2000

Prep Method: SW5035
Prep Date: Oct-05-2000
Prep Time: 07:48
Prep Chemist: NAZIH ABADEER

Analytical Method: SW8260B_TCL
Date Analyzed: Oct-05-2000
Time Analyzed 15:13
Analyst: NAZIH ABADEER

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	6.06	ug/kg	U	1
1,1,2,2-Tetrachloroethane	BQL	6.06	ug/kg	U	1
1,1,2-Trichloroethane	BQL	6.06	ug/kg	U	1
1,1-Dichloroethane	BQL	6.06	ug/kg	U	1
1,1-Dichloroethene	BQL	6.06	ug/kg	U	1
1,2-Dichloroethane	BQL	6.06	ug/kg	U	1
1,2-Dichloropropane	BQL	6.06	ug/kg	U	1
2-Butanone	BQL	12.1	ug/kg	U	1
2-Hexanone	BQL	12.1	ug/kg	U	1
4-Methyl-2-Pentanone	BQL	12.1	ug/kg	U	1
Acetone	31.4	12.1	ug/kg		1
Benzene	BQL	6.06	ug/kg	U	1
Bromodichloromethane	BQL	6.06	ug/kg	U	1
Bromoform	BQL	6.06	ug/kg	U	1
Bromomethane	BQL	12.1	ug/kg	U	1
Carbon Disulfide	1.85	6.06	ug/kg	J	1
Carbon Tetrachloride	BQL	6.06	ug/kg	U	1
Chlorobenzene	BQL	6.06	ug/kg	U	1
Chloroethane	BQL	12.1	ug/kg	U	1
Chloroform	BQL	6.06	ug/kg	U	1
Chloromethane	BQL	12.1	ug/kg	U	1
Dibromochloromethane	BQL	6.06	ug/kg	U	1
Ethylbenzene	BQL	6.06	ug/kg	U	1
Methylene Chloride	8.78	6.06	ug/kg	B	1
Styrene	BQL	6.06	ug/kg	U	1
Tetrachloroethene	BQL	6.06	ug/kg	U	1
Toluene	BQL	6.06	ug/kg	U	1
Trichloroethene	BQL	6.06	ug/kg	U	1
Vinyl Chloride	BQL	12.1	ug/kg	U	1
cis-1,2-Dichloroethene	BQL	6.06	ug/kg	U	1
cis-1,3-Dichloropropene	BQL	6.06	ug/kg	U	1
m,p-Xylenes	BQL	6.06	ug/kg	U	1
o-Xylene	BQL	6.06	ug/kg	U	1
trans-1,2-dichloroethene	BQL	6.06	ug/kg	U	1
trans-1,3-dichloropropene	BQL	6.06	ug/kg	U	1

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Summary of Analytical Results

Client ID AA0471
GPL ID: 9180-005-01-1/3
Matrix: Soil
Date Collected: Sep-28-2000
Date Received: Sep-29-2000

Prep Method: SW5035
Prep Date: Oct-05-2000
Prep Time: 07:48
Prep Chemist: NAZIH ABADEER

Analytical Method: SW8260B_TCL
Date Analyzed: Oct-05-2000
Time Analyzed 15:54
Analyst: NAZIH ABADEER

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	5.83	ug/kg	U	1
1,1,2,2-Tetrachloroethane	BQL	5.83	ug/kg	U	1
1,1,2-Trichloroethane	BQL	5.83	ug/kg	U	1
1,1-Dichloroethane	BQL	5.83	ug/kg	U	1
1,1-Dichloroethene	BQL	5.83	ug/kg	U	1
1,2-Dichloroethane	BQL	5.83	ug/kg	U	1
1,2-Dichloropropane	BQL	5.83	ug/kg	U	1
2-Butanone	BQL	11.7	ug/kg	U	1
2-Hexanone	BQL	11.7	ug/kg	U	1
4-Methyl-2-Pentanone	BQL	11.7	ug/kg	U	1
Acetone	51.0	11.7	ug/kg		1
Benzene	BQL	5.83	ug/kg	U	1
Bromodichloromethane	BQL	5.83	ug/kg	U	1
Bromoform	BQL	5.83	ug/kg	U	1
Bromomethane	BQL	11.7	ug/kg	U	1
Carbon Disulfide	2.87	5.83	ug/kg	J	1
Carbon Tetrachloride	BQL	5.83	ug/kg	U	1
Chlorobenzene	BQL	5.83	ug/kg	U	1
Chloroethane	BQL	11.7	ug/kg	U	1
Chloroform	BQL	5.83	ug/kg	U	1
Chloromethane	BQL	11.7	ug/kg	U	1
Dibromochloromethane	BQL	5.83	ug/kg	U	1
Ethylbenzene	BQL	5.83	ug/kg	U	1
Methylene Chloride	3.92	5.83	ug/kg	JB	1
Styrene	BQL	5.83	ug/kg	U	1
Tetrachloroethene	BQL	5.83	ug/kg	U	1
Toluene	BQL	5.83	ug/kg	U	1
Trichloroethene	BQL	5.83	ug/kg	U	1
Vinyl Chloride	BQL	11.7	ug/kg	U	1
cis-1,2-Dichloroethene	BQL	5.83	ug/kg	U	1
cis-1,3-Dichloropropene	BQL	5.83	ug/kg	U	1
m,p-Xylenes	BQL	5.83	ug/kg	U	1
o-Xylene	BQL	5.83	ug/kg	U	1
trans-1,2-dichloroethene	BQL	5.83	ug/kg	U	1
trans-1,3-dichloropropene	BQL	5.83	ug/kg	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB0460
GPL ID: 9180-006-01-1/3
Matrix: Soil
Date Collected: Sep-28-2000
Date Received: Sep-29-2000

Prep Method: SW5035
Prep Date: Oct-05-2000
Prep Time: 07:48
Prep Chemist: NAZIH ABADEER

Analytical Method: SW8260B_TCL
Date Analyzed: Oct-05-2000
Time Analyzed 16:34
Analyst: NAZIH ABADEER

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	4.74	ug/kg	U	1
1,1,2,2-Tetrachloroethane	BQL	4.74	ug/kg	U	1
1,1,2-Trichloroethane	BQL	4.74	ug/kg	U	1
1,1-Dichloroethane	BQL	4.74	ug/kg	U	1
1,1-Dichloroethene	BQL	4.74	ug/kg	U	1
1,2-Dichloroethane	BQL	4.74	ug/kg	U	1
1,2-Dichloropropane	BQL	4.74	ug/kg	U	1
2-Butanone	BQL	9.48	ug/kg	U	1
2-Hexanone	BQL	9.48	ug/kg	U	1
4-Methyl-2-Pentanone	BQL	9.48	ug/kg	U	1
Acetone	30.7	9.48	ug/kg		1
Benzene	BQL	4.74	ug/kg	U	1
Bromodichloromethane	BQL	4.74	ug/kg	U	1
Bromoform	BQL	4.74	ug/kg	U	1
Bromomethane	BQL	9.48	ug/kg	U	1
Carbon Disulfide	3.98	4.74	ug/kg	J	1
Carbon Tetrachloride	BQL	4.74	ug/kg	U	1
Chlorobenzene	BQL	4.74	ug/kg	U	1
Chloroethane	BQL	9.48	ug/kg	U	1
Chloroform	BQL	4.74	ug/kg	U	1
Chloromethane	BQL	9.48	ug/kg	U	1
Dibromochloromethane	BQL	4.74	ug/kg	U	1
Ethylbenzene	BQL	4.74	ug/kg	U	1
Methylene Chloride	1.98	4.74	ug/kg	JB	1
Styrene	BQL	4.74	ug/kg	U	1
Tetrachloroethene	BQL	4.74	ug/kg	U	1
Toluene	BQL	4.74	ug/kg	U	1
Trichloroethene	BQL	4.74	ug/kg	U	1
Vinyl Chloride	BQL	9.48	ug/kg	U	1
cis-1,2-Dichloroethene	BQL	4.74	ug/kg	U	1
cis-1,3-Dichloropropene	BQL	4.74	ug/kg	U	1
m,p-Xylenes	BQL	4.74	ug/kg	U	1
o-Xylene	BQL	4.74	ug/kg	U	1
trans-1,2-dichloroethene	BQL	4.74	ug/kg	U	1
trans-1,3-dichloropropene	BQL	4.74	ug/kg	U	1

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GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB0461
GPL ID: 9180-007-01-1/3
Matrix: Soil
Date Collected: Sep-28-2000
Date Received: Sep-29-2000

Prep Method: SW5035
Prep Date: Oct-05-2000
Prep Time: 07:48
Prep Chemist: NAZIH ABADEER

Analytical Method: SW8260B_TCL
Date Analyzed: Oct-05-2000
Time Analyzed 17:13
Analyst: NAZIH ABADEER

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	5.85	ug/kg	U	1
1,1,2,2-Tetrachloroethane	BQL	5.85	ug/kg	U	1
1,1,2-Trichloroethane	BQL	5.85	ug/kg	U	1
1,1-Dichloroethane	BQL	5.85	ug/kg	U	1
1,1-Dichloroethene	BQL	5.85	ug/kg	U	1
1,2-Dichloroethane	BQL	5.85	ug/kg	U	1
1,2-Dichloropropane	BQL	5.85	ug/kg	U	1
2-Butanone	BQL	11.7	ug/kg	U	1
2-Hexanone	BQL	11.7	ug/kg	U	1
4-Methyl-2-Pentanone	BQL	11.7	ug/kg	U	1
Acetone	BQL	11.7	ug/kg	U	1
Benzene	3.42	5.85	ug/kg	J	1
Bromodichloromethane	BQL	5.85	ug/kg	U	1
Bromoform	BQL	5.85	ug/kg	U	1
Bromomethane	BQL	11.7	ug/kg	U	1
Carbon Disulfide	BQL	5.85	ug/kg	U	1
Carbon Tetrachloride	BQL	5.85	ug/kg	U	1
Chlorobenzene	BQL	5.85	ug/kg	U	1
Chloroethane	BQL	11.7	ug/kg	U	1
Chloroform	BQL	5.85	ug/kg	U	1
Chloromethane	BQL	11.7	ug/kg	U	1
Dibromochloromethane	BQL	5.85	ug/kg	U	1
Ethylbenzene	BQL	5.85	ug/kg	U	1
Methylene Chloride	3.58	5.85	ug/kg	JB	1
Styrene	BQL	5.85	ug/kg	U	1
Tetrachloroethene	BQL	5.85	ug/kg	U	1
Toluene	78.1	5.85	ug/kg		1
Trichloroethene	BQL	5.85	ug/kg	U	1
Vinyl Chloride	BQL	11.7	ug/kg	U	1
cis-1,2-Dichloroethene	BQL	5.85	ug/kg	U	1
cis-1,3-Dichloropropene	BQL	5.85	ug/kg	U	1
m,p-Xylenes	BQL	5.85	ug/kg	U	1
o-Xylene	1.90	5.85	ug/kg	J	1
trans-1,2-dichloroethene	BQL	5.85	ug/kg	U	1
trans-1,3-dichloropropene	BQL	5.85	ug/kg	U	1

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GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB0462
GPL ID: 9180-008-01-1/3
Matrix: Soil
Date Collected: Sep-28-2000
Date Received: Sep-29-2000

Prep Method: SW5035
Prep Date: Oct-05-2000
Prep Time: 07:48
Prep Chemist: NAZIH ABADEER

Analytical Method: SW8260B_TCL
Date Analyzed: Oct-05-2000
Time Analyzed 17:53
Analyst: NAZIH ABADEER

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	4.86	ug/kg	U	1
1,1,2,2-Tetrachloroethane	BQL	4.86	ug/kg	U	1
1,1,2-Trichloroethane	BQL	4.86	ug/kg	U	1
1,1-Dichloroethane	BQL	4.86	ug/kg	U	1
1,1-Dichloroethene	BQL	4.86	ug/kg	U	1
1,2-Dichloroethane	BQL	4.86	ug/kg	U	1
1,2-Dichloropropane	BQL	4.86	ug/kg	U	1
2-Butanone	BQL	9.71	ug/kg	U	1
2-Hexanone	BQL	9.71	ug/kg	U	1
4-Methyl-2-Pentanone	BQL	9.71	ug/kg	U	1
Acetone	BQL	9.71	ug/kg	U	1
Benzene	4.92	4.86	ug/kg		1
Bromodichloromethane	BQL	4.86	ug/kg	U	1
Bromoform	BQL	4.86	ug/kg	U	1
Bromomethane	BQL	9.71	ug/kg	U	1
Carbon Disulfide	BQL	4.86	ug/kg	U	1
Carbon Tetrachloride	BQL	4.86	ug/kg	U	1
Chlorobenzene	BQL	4.86	ug/kg	U	1
Chloroethane	BQL	9.71	ug/kg	U	1
Chloroform	BQL	4.86	ug/kg	U	1
Chloromethane	BQL	9.71	ug/kg	U	1
Dibromochloromethane	BQL	4.86	ug/kg	U	1
Ethylbenzene	2.48	4.86	ug/kg	J	1
Methylene Chloride	4.56	4.86	ug/kg	JB	1
Styrene	BQL	4.86	ug/kg	U	1
Tetrachloroethene	BQL	4.86	ug/kg	U	1
Toluene	18.6	4.86	ug/kg		1
Trichloroethene	BQL	4.86	ug/kg	U	1
Vinyl Chloride	BQL	9.71	ug/kg	U	1
cis-1,2-Dichloroethene	BQL	4.86	ug/kg	U	1
cis-1,3-Dichloropropene	BQL	4.86	ug/kg	U	1
m,p-Xylenes	6.05	4.86	ug/kg		1
o-Xylene	3.23	4.86	ug/kg	J	1
trans-1,2-dichloroethene	BQL	4.86	ug/kg	U	1
trans-1,3-dichloropropene	BQL	4.86	ug/kg	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB0466
GPL ID: 9180-009-01-1/3
Matrix: Soil
Date Collected: Sep-28-2000
Date Received: Sep-29-2000

Prep Method: SW5035
Prep Date: Oct-05-2000
Prep Time: 07:48
Prep Chemist: NAZIH ABADEER

Analytical Method: SW8260B_TCL
Date Analyzed: Oct-05-2000
Time Analyzed 18:34
Analyst: NAZIH ABADEER

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	5.24	ug/kg	U	1
1,1,2,2-Tetrachloroethane	BQL	5.24	ug/kg	U	1
1,1,2-Trichloroethane	BQL	5.24	ug/kg	U	1
1,1-Dichloroethane	BQL	5.24	ug/kg	U	1
1,1-Dichloroethene	BQL	5.24	ug/kg	U	1
1,2-Dichloroethane	BQL	5.24	ug/kg	U	1
1,2-Dichloropropane	BQL	5.24	ug/kg	U	1
2-Butanone	BQL	10.5	ug/kg	U	1
2-Hexanone	BQL	10.5	ug/kg	U	1
4-Methyl-2-Pentanone	BQL	10.5	ug/kg	U	1
Acetone	BQL	10.5	ug/kg	U	1
Benzene	BQL	5.24	ug/kg	U	1
Bromodichloromethane	BQL	5.24	ug/kg	U	1
Bromoform	BQL	5.24	ug/kg	U	1
Bromomethane	BQL	10.5	ug/kg	U	1
Carbon Disulfide	3.37	5.24	ug/kg	J	1
Carbon Tetrachloride	BQL	5.24	ug/kg	U	1
Chlorobenzene	BQL	5.24	ug/kg	U	1
Chloroethane	BQL	10.5	ug/kg	U	1
Chloroform	BQL	5.24	ug/kg	U	1
Chloromethane	BQL	10.5	ug/kg	U	1
Dibromochloromethane	BQL	5.24	ug/kg	U	1
Ethylbenzene	BQL	5.24	ug/kg	U	1
Methylene Chloride	6.25	5.24	ug/kg	B	1
Styrene	BQL	5.24	ug/kg	U	1
Tetrachloroethene	BQL	5.24	ug/kg	U	1
Toluene	BQL	5.24	ug/kg	U	1
Trichloroethene	BQL	5.24	ug/kg	U	1
Vinyl Chloride	BQL	10.5	ug/kg	U	1
cis-1,2-Dichloroethene	BQL	5.24	ug/kg	U	1
cis-1,3-Dichloropropene	BQL	5.24	ug/kg	U	1
m,p-Xylenes	BQL	5.24	ug/kg	U	1
o-Xylene	BQL	5.24	ug/kg	U	1
trans-1,2-dichloroethene	BQL	5.24	ug/kg	U	1
trans-1,3-dichloropropene	BQL	5.24	ug/kg	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB0467
GPL ID: 9180-010-02-2/3
Matrix: Soil
Date Collected: Sep-28-2000
Date Received: Sep-29-2000

Prep Method: SW5035
Prep Date: Oct-06-2000
Prep Time: 07:44
Prep Chemist: NAZIH ABADEER

Analytical Method: SW8260B_TCL
Date Analyzed: Oct-06-2000
Time Analyzed 16:53
Analyst: NAZIH ABADEER

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	5.75	ug/kg	U	1
1,1,2,2-Tetrachloroethane	BQL	5.75	ug/kg	U	1
1,1,2-Trichloroethane	BQL	5.75	ug/kg	U	1
1,1-Dichloroethane	BQL	5.75	ug/kg	U	1
1,1-Dichloroethene	BQL	5.75	ug/kg	U	1
1,2-Dichloroethane	BQL	5.75	ug/kg	U	1
1,2-Dichloropropane	BQL	5.75	ug/kg	U	1
2-Butanone	BQL	11.5	ug/kg	U	1
2-Hexanone	BQL	11.5	ug/kg	U	1
4-Methyl-2-Pentanone	BQL	11.5	ug/kg	U	1
Acetone	BQL	11.5	ug/kg	U	1
Benzene	BQL	5.75	ug/kg	U	1
Bromodichloromethane	BQL	5.75	ug/kg	U	1
Bromoform	BQL	5.75	ug/kg	U	1
Bromomethane	BQL	11.5	ug/kg	U	1
Carbon Disulfide	BQL	5.75	ug/kg	U	1
Carbon Tetrachloride	BQL	5.75	ug/kg	U	1
Chlorobenzene	BQL	5.75	ug/kg	U	1
Chloroethane	BQL	11.5	ug/kg	U	1
Chloroform	BQL	5.75	ug/kg	U	1
Chloromethane	BQL	11.5	ug/kg	U	1
Dibromochloromethane	BQL	5.75	ug/kg	U	1
Ethylbenzene	BQL	5.75	ug/kg	U	1
Methylene Chloride	6.68	5.75	ug/kg	B	1
Styrene	BQL	5.75	ug/kg	U	1
Tetrachloroethene	BQL	5.75	ug/kg	U	1
Toluene	BQL	5.75	ug/kg	U	1
Trichloroethene	BQL	5.75	ug/kg	U	1
Vinyl Chloride	BQL	11.5	ug/kg	U	1
cis-1,2-Dichloroethene	BQL	5.75	ug/kg	U	1
cis-1,3-Dichloropropene	BQL	5.75	ug/kg	U	1
m,p-Xylenes	BQL	5.75	ug/kg	U	1
o-Xylene	BQL	5.75	ug/kg	U	1
trans-1,2-dichloroethene	BQL	5.75	ug/kg	U	1
trans-1,3-dichloropropene	BQL	5.75	ug/kg	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB0468
GPL ID: 9180-011-01-1/3
Matrix: Soil
Date Collected: Sep-28-2000
Date Received: Sep-29-2000

Prep Method: SW5035
Prep Date: Oct-06-2000
Prep Time: 07:44
Prep Chemist: NAZIH ABADEER

Analytical Method: SW8260B_TCL
Date Analyzed: Oct-06-2000
Time Analyzed 10:52
Analyst: NAZIH ABADEER

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	6.07	ug/kg	U	1
1,1,2,2-Tetrachloroethane	BQL	6.07	ug/kg	U	1
1,1,2-Trichloroethane	BQL	6.07	ug/kg	U	1
1,1-Dichloroethane	BQL	6.07	ug/kg	U	1
1,1-Dichloroethene	BQL	6.07	ug/kg	U	1
1,2-Dichloroethane	BQL	6.07	ug/kg	U	1
1,2-Dichloropropane	BQL	6.07	ug/kg	U	1
2-Butanone	BQL	12.1	ug/kg	U	1
2-Hexanone	BQL	12.1	ug/kg	U	1
4-Methyl-2-Pentanone	BQL	12.1	ug/kg	U	1
Acetone	64.4	12.1	ug/kg		1
Benzene	BQL	6.07	ug/kg	U	1
Bromodichloromethane	BQL	6.07	ug/kg	U	1
Bromoform	BQL	6.07	ug/kg	U	1
Bromomethane	BQL	12.1	ug/kg	U	1
Carbon Disulfide	7.50	6.07	ug/kg		1
Carbon Tetrachloride	BQL	6.07	ug/kg	U	1
Chlorobenzene	BQL	6.07	ug/kg	U	1
Chloroethane	BQL	12.1	ug/kg	U	1
Chloroform	BQL	6.07	ug/kg	U	1
Chloromethane	BQL	12.1	ug/kg	U	1
Dibromochloromethane	BQL	6.07	ug/kg	U	1
Ethylbenzene	BQL	6.07	ug/kg	U	1
Methylene Chloride	3.08	6.07	ug/kg	JB	1
Styrene	BQL	6.07	ug/kg	U	1
Tetrachloroethene	BQL	6.07	ug/kg	U	1
Toluene	1.94	6.07	ug/kg	J	1
Trichloroethene	BQL	6.07	ug/kg	U	1
Vinyl Chloride	BQL	12.1	ug/kg	U	1
cis-1,2-Dichloroethene	BQL	6.07	ug/kg	U	1
cis-1,3-Dichloropropene	BQL	6.07	ug/kg	U	1
m,p-Xylenes	BQL	6.07	ug/kg	U	1
o-Xylene	BQL	6.07	ug/kg	U	1
trans-1,2-dichloroethene	BQL	6.07	ug/kg	U	1
trans-1,3-dichloropropene	BQL	6.07	ug/kg	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB0471
GPL ID: 9180-012-01-1/3
Matrix: Soil
Date Collected: Sep-28-2000
Date Received: Sep-29-2000

Prep Method: SW5035
Prep Date: Oct-06-2000
Prep Time: 07:44
Prep Chemist: NAZIH ABADEER

Analytical Method: SW8260B_TCL
Date Analyzed: Oct-06-2000
Time Analyzed 11:33
Analyst: NAZIH ABADEER

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	5.74	ug/kg	U	1
1,1,2,2-Tetrachloroethane	BQL	5.74	ug/kg	U	1
1,1,2-Trichloroethane	BQL	5.74	ug/kg	U	1
1,1-Dichloroethane	BQL	5.74	ug/kg	U	1
1,1-Dichloroethene	BQL	5.74	ug/kg	U	1
1,2-Dichloroethane	BQL	5.74	ug/kg	U	1
1,2-Dichloropropane	BQL	5.74	ug/kg	U	1
2-Butanone	16.5	11.5	ug/kg		1
2-Hexanone	BQL	11.5	ug/kg	U	1
4-Methyl-2-Pentanone	BQL	11.5	ug/kg	U	1
Acetone	151	11.5	ug/kg		1
Benzene	BQL	5.74	ug/kg	U	1
Bromodichloromethane	BQL	5.74	ug/kg	U	1
Bromoform	BQL	5.74	ug/kg	U	1
Bromomethane	BQL	11.5	ug/kg	U	1
Carbon Disulfide	6.05	5.74	ug/kg		1
Carbon Tetrachloride	BQL	5.74	ug/kg	U	1
Chlorobenzene	BQL	5.74	ug/kg	U	1
Chloroethane	BQL	11.5	ug/kg	U	1
Chloroform	BQL	5.74	ug/kg	U	1
Chloromethane	BQL	11.5	ug/kg	U	1
Dibromochloromethane	BQL	5.74	ug/kg	U	1
Ethylbenzene	BQL	5.74	ug/kg	U	1
Methylene Chloride	5.20	5.74	ug/kg	JB	1
Styrene	BQL	5.74	ug/kg	U	1
Tetrachloroethene	BQL	5.74	ug/kg	U	1
Toluene	2.08	5.74	ug/kg	J	1
Trichloroethene	BQL	5.74	ug/kg	U	1
Vinyl Chloride	BQL	11.5	ug/kg	U	1
cis-1,2-Dichloroethene	BQL	5.74	ug/kg	U	1
cis-1,3-Dichloropropene	BQL	5.74	ug/kg	U	1
m,p-Xylenes	BQL	5.74	ug/kg	U	1
o-Xylene	BQL	5.74	ug/kg	U	1
trans-1,2-dichloroethene	BQL	5.74	ug/kg	U	1
trans-1,3-dichloropropene	BQL	5.74	ug/kg	U	1

Summary of Analytical Results

Client ID AB0472
GPL ID: 9180-013-01-1/3
Matrix: Soil
Date Collected: Sep-28-2000
Date Received: Sep-29-2000

Prep Method: SW5035
Prep Date: Oct-06-2000
Prep Time: 07:44
Prep Chemist: NAZIH ABADEER

Analytical Method: SW8260B_TCL
Date Analyzed: Oct-06-2000
Time Analyzed 12:13
Analyst: NAZIH ABADEER

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	6.11	ug/kg	U	1
1,1,2,2-Tetrachloroethane	BQL	6.11	ug/kg	U	1
1,1,2-Trichloroethane	BQL	6.11	ug/kg	U	1
1,1-Dichloroethane	BQL	6.11	ug/kg	U	1
1,1-Dichloroethene	BQL	6.11	ug/kg	U	1
1,2-Dichloroethane	BQL	6.11	ug/kg	U	1
1,2-Dichloropropane	BQL	6.11	ug/kg	U	1
2-Butanone	BQL	12.2	ug/kg	U	1
2-Hexanone	BQL	12.2	ug/kg	U	1
4-Methyl-2-Pentanone	BQL	12.2	ug/kg	U	1
Acetone	BQL	12.2	ug/kg	U	1
Benzene	BQL	6.11	ug/kg	U	1
Bromodichloromethane	BQL	6.11	ug/kg	U	1
Bromoform	BQL	6.11	ug/kg	U	1
Bromomethane	BQL	12.2	ug/kg	U	1
Carbon Disulfide	BQL	6.11	ug/kg	U	1
Carbon Tetrachloride	BQL	6.11	ug/kg	U	1
Chlorobenzene	BQL	6.11	ug/kg	U	1
Chloroethane	BQL	12.2	ug/kg	U	1
Chloroform	BQL	6.11	ug/kg	U	1
Chloromethane	BQL	12.2	ug/kg	U	1
Dibromochloromethane	BQL	6.11	ug/kg	U	1
Ethylbenzene	BQL	6.11	ug/kg	U	1
Methylene Chloride	6.00	6.11	ug/kg	JB	1
Styrene	BQL	6.11	ug/kg	U	1
Tetrachloroethene	BQL	6.11	ug/kg	U	1
Toluene	BQL	6.11	ug/kg	U	1
Trichloroethene	BQL	6.11	ug/kg	U	1
Vinyl Chloride	BQL	12.2	ug/kg	U	1
cis-1,2-Dichloroethene	BQL	6.11	ug/kg	U	1
cis-1,3-Dichloropropene	BQL	6.11	ug/kg	U	1
m,p-Xylenes	BQL	6.11	ug/kg	U	1
o-Xylene	BQL	6.11	ug/kg	U	1
trans-1,2-dichloroethene	BQL	6.11	ug/kg	U	1
trans-1,3-dichloropropene	BQL	6.11	ug/kg	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID 09282000-TB2
GPL ID: 9180-001-01-1/2
Matrix: Water
Date Collected: Sep-28-2000
Date Received: Sep-29-2000

Prep Method: SW5030B
Prep Date: Oct-02-2000
Prep Time: 06:57
Prep Chemist: Jannina S. Bryan

Analytical Method: SW8260LL_TCL
Date Analyzed: Oct-02-2000
Time Analyzed 16:21
Analyst: NAZIH ABADEER

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	1	ug/L	U	1
1,1,2,2-Tetrachloroethane	BQL	1	ug/L	U	1
1,1,2-Trichloroethane	BQL	1	ug/L	U	1
1,1-Dichloroethane	BQL	1	ug/L	U	1
1,1-Dichloroethene	BQL	1	ug/L	U	1
1,2-Dichloroethane	BQL	1	ug/L	U	1
1,2-Dichloropropane	BQL	1	ug/L	U	1
2-Butanone	BQL	5	ug/L	U	1
2-Hexanone	BQL	5	ug/L	U	1
4-Methyl-2-Pentanone	BQL	5	ug/L	U	1
Acetone	BQL	5	ug/L	U	1
Benzene	BQL	1	ug/L	U	1
Bromodichloromethane	BQL	1	ug/L	U	1
Bromoform	BQL	1	ug/L	U	1
Bromomethane	BQL	1	ug/L	U	1
Carbon Disulfide	BQL	1	ug/L	U	1
Carbon Tetrachloride	BQL	1	ug/L	U	1
Chlorobenzene	BQL	1	ug/L	U	1
Chloroethane	BQL	1	ug/L	U	1
Chloroform	BQL	1	ug/L	U	1
Chloromethane	BQL	1	ug/L	U	1
Dibromochloromethane	BQL	1	ug/L	U	1
Ethylbenzene	BQL	1	ug/L	U	1
Methylene Chloride	1.72	1	ug/L		1
Styrene	BQL	1	ug/L	U	1
Tetrachloroethene	BQL	1	ug/L	U	1
Toluene	BQL	1	ug/L	U	1
Trichloroethene	BQL	1	ug/L	U	1
Vinyl Chloride	BQL	1	ug/L	U	1
cis-1,2-Dichloroethene	BQL	1	ug/L	U	1
cis-1,3-Dichloropropene	BQL	1	ug/L	U	1
m,p-Xylenes	BQL	1	ug/L	U	1
o-Xylene	BQL	1	ug/L	U	1
trans-1,2-dichloroethene	BQL	1	ug/L	U	1
trans-1,3-dichloropropene	BQL	1	ug/L	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB3004
GPL ID: 9180-014-01-1/3
Matrix: Water
Date Collected: Sep-28-2000
Date Received: Sep-29-2000

Prep Method: SW5030B
Prep Date: Oct-02-2000
Prep Time: 06:57
Prep Chemist: Jannina S. Bryan

Analytical Method: SW8260LL_TCL
Date Analyzed: Oct-02-2000
Time Analyzed 16:55
Analyst: NAZIH ABADEER

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	1	ug/L	U	1
1,1,2,2-Tetrachloroethane	BQL	1	ug/L	U	1
1,1,2-Trichloroethane	BQL	1	ug/L	U	1
1,1-Dichloroethane	BQL	1	ug/L	U	1
1,1-Dichloroethene	BQL	1	ug/L	U	1
1,2-Dichloroethane	BQL	1	ug/L	U	1
1,2-Dichloropropane	BQL	1	ug/L	U	1
2-Butanone	BQL	5	ug/L	U	1
2-Hexanone	BQL	5	ug/L	U	1
4-Methyl-2-Pentanone	BQL	5	ug/L	U	1
Acetone	BQL	5	ug/L	U	1
Benzene	BQL	1	ug/L	U	1
Bromodichloromethane	BQL	1	ug/L	U	1
Bromoform	BQL	1	ug/L	U	1
Bromomethane	BQL	1	ug/L	U	1
Carbon Disulfide	BQL	1	ug/L	U	1
Carbon Tetrachloride	BQL	1	ug/L	U	1
Chlorobenzene	BQL	1	ug/L	U	1
Chloroethane	BQL	1	ug/L	U	1
Chloroform	BQL	1	ug/L	U	1
Chloromethane	BQL	1	ug/L	U	1
Dibromochloromethane	BQL	1	ug/L	U	1
Ethylbenzene	BQL	1	ug/L	U	1
Methylene Chloride	1.20	1	ug/L		1
Styrene	BQL	1	ug/L	U	1
Tetrachloroethene	BQL	1	ug/L	U	1
Toluene	BQL	1	ug/L	U	1
Trichloroethene	BQL	1	ug/L	U	1
Vinyl Chloride	BQL	1	ug/L	U	1
cis-1,2-Dichloroethene	BQL	1	ug/L	U	1
cis-1,3-Dichloropropene	BQL	1	ug/L	U	1
m,p-Xylenes	BQL	1	ug/L	U	1
o-Xylene	BQL	1	ug/L	U	1
trans-1,2-dichloroethene	BQL	1	ug/L	U	1
trans-1,3-dichloropropene	BQL	1	ug/L	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB3006
GPL ID: 9180-015-01-1/3
Matrix: Water
Date Collected: Sep-28-2000
Date Received: Sep-29-2000

Prep Method: SW5030B
Prep Date: Oct-02-2000
Prep Time: 06:57
Prep Chemist: Jannina S. Bryan

Analytical Method: SW8260LL_TCL
Date Analyzed: Oct-02-2000
Time Analyzed 17:29
Analyst: NAZIH ABADEER

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	1	ug/L	U	1
1,1,2,2-Tetrachloroethane	BQL	1	ug/L	U	1
1,1,2-Trichloroethane	BQL	1	ug/L	U	1
1,1-Dichloroethane	BQL	1	ug/L	U	1
1,1-Dichloroethene	BQL	1	ug/L	U	1
1,2-Dichloroethane	BQL	1	ug/L	U	1
1,2-Dichloropropane	BQL	1	ug/L	U	1
2-Butanone	BQL	5	ug/L	U	1
2-Hexanone	BQL	5	ug/L	U	1
4-Methyl-2-Pentanone	BQL	5	ug/L	U	1
Acetone	BQL	5	ug/L	U	1
Benzene	BQL	1	ug/L	U	1
Bromodichloromethane	BQL	1	ug/L	U	1
Bromoform	BQL	1	ug/L	U	1
Bromomethane	BQL	1	ug/L	U	1
Carbon Disulfide	BQL	1	ug/L	U	1
Carbon Tetrachloride	BQL	1	ug/L	U	1
Chlorobenzene	BQL	1	ug/L	U	1
Chloroethane	BQL	1	ug/L	U	1
Chloroform	BQL	1	ug/L	U	1
Chloromethane	BQL	1	ug/L	U	1
Dibromochloromethane	BQL	1	ug/L	U	1
Ethylbenzene	BQL	1	ug/L	U	1
Methylene Chloride	0.910	1	ug/L	J	1
Styrene	BQL	1	ug/L	U	1
Tetrachloroethene	BQL	1	ug/L	U	1
Toluene	BQL	1	ug/L	U	1
Trichloroethene	BQL	1	ug/L	U	1
Vinyl Chloride	BQL	1	ug/L	U	1
cis-1,2-Dichloroethene	BQL	1	ug/L	U	1
cis-1,3-Dichloropropene	BQL	1	ug/L	U	1
m,p-Xylenes	BQL	1	ug/L	U	1
o-Xylene	BQL	1	ug/L	U	1
trans-1,2-dichloroethene	BQL	1	ug/L	U	1
trans-1,3-dichloropropene	BQL	1	ug/L	U	1

Summary of Analytical Results

Client ID AB3007
GPL ID: 9180-016-01-1/3
Matrix: Water
Date Collected: Sep-28-2000
Date Received: Sep-29-2000

Prep Method: SW5030B
Prep Date: Oct-02-2000
Prep Time: 06:57
Prep Chemist: Jannina S. Bryan

Analytical Method: SW8260LL_TCL
Date Analyzed: Oct-02-2000
Time Analyzed 18:03
Analyst: NAZIH ABADEER

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	1	ug/L	U	1
1,1,2,2-Tetrachloroethane	BQL	1	ug/L	U	1
1,1,2-Trichloroethane	BQL	1	ug/L	U	1
1,1-Dichloroethane	BQL	1	ug/L	U	1
1,1-Dichloroethene	BQL	1	ug/L	U	1
1,2-Dichloroethane	BQL	1	ug/L	U	1
1,2-Dichloropropane	BQL	1	ug/L	U	1
2-Butanone	BQL	5	ug/L	U	1
2-Hexanone	BQL	5	ug/L	U	1
4-Methyl-2-Pentanone	BQL	5	ug/L	U	1
Acetone	BQL	5	ug/L	U	1
Benzene	BQL	1	ug/L	U	1
Bromodichloromethane	BQL	1	ug/L	U	1
Bromoform	BQL	1	ug/L	U	1
Bromomethane	BQL	1	ug/L	U	1
Carbon Disulfide	BQL	1	ug/L	U	1
Carbon Tetrachloride	BQL	1	ug/L	U	1
Chlorobenzene	BQL	1	ug/L	U	1
Chloroethane	BQL	1	ug/L	U	1
Chloroform	BQL	1	ug/L	U	1
Chloromethane	BQL	1	ug/L	U	1
Dibromochloromethane	BQL	1	ug/L	U	1
Ethylbenzene	BQL	1	ug/L	U	1
Methylene Chloride	1.34	1	ug/L		1
Styrene	BQL	1	ug/L	U	1
Tetrachloroethene	BQL	1	ug/L	U	1
Toluene	BQL	1	ug/L	U	1
Trichloroethene	BQL	1	ug/L	U	1
Vinyl Chloride	BQL	1	ug/L	U	1
cis-1,2-Dichloroethene	BQL	1	ug/L	U	1
cis-1,3-Dichloropropene	BQL	1	ug/L	U	1
m,p-Xylenes	BQL	1	ug/L	U	1
o-Xylene	BQL	1	ug/L	U	1
trans-1,2-dichloroethene	BQL	1	ug/L	U	1
trans-1,3-dichloropropene	BQL	1	ug/L	U	1

2B

SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: GPL LABORATORIES, LLLP Contract: PLUMBROOK_ORDN

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Level: (low/med) LOW

	CLIENT SAMPLE NO.	SMC1 #	SMC2 #	SMC3 #	SMC4 #	TOT OUT
01	BLK7228	91	118	106	101	0
02	BKS7228	106	126*	112	105	1
03	AA0468	100	122*	103	96	1
04	AA0469	100	115	108	104	0
05	AA0470	102	117	108	109	0
06	AA0471	100	117	111	101	0
07	AB0460	102	118	115	105	0
08	AB0461	111	117	130*	127	1
09	AB0462	69*	183*	205*	259*	4
10	AB0466	94	115	107	102	0
11	BLK7247	93	120	108	100	0
12	BKS7247	97	119	110	101	0
13	AB0468	97	116	115	109	0
14	AB0471	96	126*	125*	119	2
15	AB0472	94	115	108	102	0
16	AB0461 RE	99	119	153*	163*	2
17	AB0462 RE	92	131*	147*	158*	3
18	AB0467	92	120	111	111	0
19	AB0471 RE	100	127*	113	112	1

			QC LIMITS
SMC1	=	1,2-Dichloroethane-d4	(72-129)
SMC2	=	Toluene-d8	(68-122)
SMC3	=	4-Bromofluorobenzene	(71-122)
SMC4	=	1,2-Dichlorobenzene-d4	(68-138)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

1003

2A
WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: GPL LABORATORIES, LLLP Contract: PLUMBROOK_ORDN

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

	CLIENT SAMPLE NO.	SMC1 #	SMC2 #	SMC3 #	SMC4 #	TOT OUT
01	BLK7114	102	100	94	94	0
02	BKS7114	97	90	93	96	0
03	09282000-TB2	106	97	88	86	0
04	AB3004	102	96	88	85	0
05	AB3006	121	112	103	106	0
06	AB3007	105	94	87	88	0

			QC LIMITS
SMC1	=	1,2-Dichloroethane-d4	(77-133)
SMC2	=	Toluene-d8	(74-128)
SMC3	=	4-Bromofluorobenzene	(81-125)
SMC4	=	1,2-Dichlorobenzene-d4	(76-134)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

1004

3A

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: GPL LABORATORIES, LLLP Contract: PLUMBROOK_O

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Matrix Spike - EPA Sample No.: AA3006

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
1,1-Dichloroethene	10	0.0	10	100	51 - 134
Benzene	10	0.0	8.9	89	61 - 120
Trichloroethene	10	0.0	9.2	92	44 - 139
Toluene	10	0.0	9.0	90	53 - 118
Chlorobenzene	10	0.0	8.4	84	68 - 125

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	10	12	120	18	25	51 - 134
Benzene	10	9.5	95	7	25	61 - 120
Trichloroethene	10	10	100	8	25	44 - 139
Toluene	10	9.5	95	5	25	53 - 118
Chlorobenzene	10	9.1	91	8	25	68 - 125

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 5 outside limits

Spike Recovery: 0 out of 10 outside limits

COMMENTS: Shared with 9169

3B

SOIL VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: GPL LABORATORIES, LLLP Contract: PARSONS_ENGI

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Matrix Spike - EPA Sample No.: OU4-092600-SD-02 Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC LIMITS REC.
1,1-Dichloroethene	97	0.0	47	48	39 - 147
Benzene	97	0.0	45	46	36 - 150
Trichloroethene	97	0.0	35	36	33 - 150
Toluene	97	0.0	34	35	34 - 151
Chlorobenzene	97	0.0	26	27 *	33 - 143

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	97	73	75	44 *	25	39 - 147
Benzene	97	66	68	39 *	25	36 - 150
Trichloroethene	97	61	63	55 *	25	33 - 150
Toluene	97	67	69	65 *	25	34 - 151
Chlorobenzene	97	51	53	65 *	25	33 - 143

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 5 out of 5 outside limits

Spike Recovery: 1 out of 10 outside limits

COMMENTS: shared with 9165

1006

LAB CONTROL STANDARD RECOVERY

Lab Name:	GPL LABORATORIES, LLLP			Contract:	PLUMBROOK_ORD
Case No.:	N/A			SDG No.:	N/A
Lab Code:	GPLL			Lab Sample ID:	BKS1005
Lab File ID:	A27364.D	Matrix:	SOIL	Date Analyzed:	10/5/00

COMPOUND	LCS ADDED (ug/L)	CONCENTRATION FOUND (ug/L)	PERCENT RECOVERY #	INTERNAL LABORATORY LIMITS
Vinyl Chloride	50	45	90	29-148
1,1-Dichloroethene	50	47	94	40-150
Chloroform	50	50	100	61-146
1,2-Dichloroethane	50	52	104	59-155
1,1,1,-Trichloroethane	50	53	106	61-152
Carbon Tetrachloride	50	55	110	59-153
Bromodichloromethane	50	51	102	63-151
Trichloroethene	50	49	98	55-145
Dibromochloromethane	50	49	98	65-151
Benzene	50	49	98	52-155
Bromoform	50	50	100	36-150

* Value outside internal laboratory limits

Comments: _____

LAB CONTROL STANDARD RECOVERY

Lab Name:	GPL LABORATORIES, LLLP			Contract:	PLUMBROOK_ORD
Case No.:	N/A			SDG No.:	N/A
Lab Code:	GPLL			Lab Sample ID:	BKS1006
Lab File ID:	A27382.D	Matrix:	SOIL	Date Analyzed:	10/6/00

COMPOUND	LCS ADDED (ug/L)	CONCENTRATION FOUND (ug/L)	PERCENT RECOVERY #	INTERNAL LABORATORY LIMITS
Vinyl Chloride	50	49	98	29-148
1,1-Dichloroethene	50	50	100	40-150
Chloroform	50	49	98	61-146
1,2-Dichloroethane	50	48	96	59-155
1,1,1,-Trichloroethane	50	48	96	61-152
Carbon Tetrachloride	50	50	100	59-153
Bromodichloromethane	50	50	100	63-151
Trichloroethene	50	47	94	55-145
Dibromochloromethane	50	47	94	65-151
Benzene	50	49	98	52-155
Bromoform	50	48	96	36-150

* *Value outside internal laboratory limits*

Comments: _____

LAB CONTROL STANDARD RECOVERY

Lab Name:	GPL LABORATORIES, LLLP			Contract:	PLUMBROOK_ORD
Case No.:	N/A			SDG No.:	N/A
Lab Code:	GPLL			Lab Sample ID:	BKS1002
Lab File ID:	E21972.D	Matrix:	WATER	Date Analyzed:	10/2/00

COMPOUND	LCS ADDED (ug/L)	CONCENTRATION FOUND (ug/L)	PERCENT RECOVERY #	INTERNAL LABORATORY LIMITS
Vinyl Chloride	10	9.5	95	42-126
1,1-Dichloroethene	10	9.6	96	51-134
Chloroform	10	10.0	100	64-139
1,1,1-Trichloroethane	10	10.3	103	64-150
Carbon Tetrachloride	10	10.3	103	49-169
Benzene	10	9.8	98	61-120
1,2-Dichloroethane	10	10.4	104	64-141
Trichloroethene	10	9.7	97	44-139
Bromodichloromethane	10	10.5	105	60-142
Dibromochloromethane	10	10.8	108	54-164
Bromoform	10	10.0	100	46-156

* *Value outside internal laboratory limits*

Comments: _____

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

BLK7228

Lab Name: GPL LABORATORIES, LLLP Contract: PLUMBRO

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Lab File ID: A27363.D Lab Sample ID: BLK1

Date Analyzed: 10/05/00 Time Analyzed: 10:27

GC Column: RTX VO ID: 0.53 (mm) Heated Purge: (Y/N) Y

Instrument ID: HP#A

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	BKS7228	BKS1	A27364.D	11:09
02	AA0468	9180-002-01-1/3	A27368.D	13:52
03	AA0469	9180-003-01-1/3	A27369.D	14:33
04	AA0470	9180-004-01-1/3	A27370.D	15:13
05	AA0471	9180-005-01-1/3	A27371.D	15:54
06	AB0460	9180-006-01-1/3	A27372.D	16:34
07	AB0461	9180-007-01-1/3	A27373.D	17:13
08	AB0462	9180-008-01-1/3	A27374.D	17:53
09	AB0466	9180-009-01-1/3	A27375.D	18:34

COMMENTS:

1010

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

BLK7247

Lab Name: GPL LABORATORIES, LLLP Contract: PLUMBRO

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Lab File ID: A27381.D Lab Sample ID: BLK1

Date Analyzed: 10/06/00 Time Analyzed: 09:32

GC Column: RTX VO ID: 0.53 (mm) Heated Purge: (Y/N) Y

Instrument ID: HP#A

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	BKS7247	BKS1	A27382.D	10:12
02	AB0468	9180-011-01-1/3	A27383.D	10:52
03	AB0471	9180-012-01-1/3	A27384.D	11:33
04	AB0472	9180-013-01-1/3	A27385.D	12:13
05	AB0461 RE	9180-007-02-2/3	A27390.D	15:34
06	AB0462 RE	9180-008-02-2/3	A27391.D	16:13
07	AB0467	9180-010-02-2/3	A27392.D	16:53
08	AB0471 RE	9180-012-02-2/3	A27393.D	17:32

COMMENTS:

1011

4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

BLK7114

Lab Name: GPL LABORATORIES, LLLP Contract: PLUMBRO

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Lab File ID: E21971.D Lab Sample ID: BLK1002

Date Analyzed: 10/02/00 Time Analyzed: 08:27

GC Column: RTXVOA ID: 0.53 (mm) Heated Purge: (Y/N) N

Instrument ID: 5970-E

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	BKS7114	BKS1002	E21972.D	09:01
02	09282000-TB2	9180-001-01-1/3	E21985.D	16:21
03	AB3004	9180-014-01-1/3	E21986.D	16:55
04	AB3006	9180-015-01-1/3	E21987.D	17:29
05	AB3007	9180-016-01-1/3	E21988.D	18:03

COMMENTS:

1012

Summary of Analytical Results

Client ID AB3004DL
GPL ID: 9180-014-07-1/2
Matrix: Water
Date Collected: Sep-28-2000
Date Received: Sep-29-2000

Prep Method: SW3520C
Prep Date: Oct-04-2000
Prep Time: 15:44
Prep Chemist: Veena Telhan

Analytical Method: SW8270CTCL
Date Analyzed: Oct-21-2000
Time Analyzed 21:44
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	50	ug/L	U	5
1,2-Dichlorobenzene	BQL	50	ug/L	U	5
1,3-Dichlorobenzene	BQL	50	ug/L	U	5
1,4-Dichlorobenzene	BQL	50	ug/L	U	5
2,2-Oxybis(1-Chloro)Propane	BQL	50	ug/L	U	5
2,4,5-Trichlorophenol	BQL	50	ug/L	U	5
2,4,6-Trichlorophenol	BQL	50	ug/L	U	5
2,4-Dichlorophenol	BQL	50	ug/L	U	5
2,4-Dimethylphenol	BQL	50	ug/L	U	5
2,4-Dinitrophenol	BQL	100	ug/L	U	5
2,4-Dinitrotoluene	215	50	ug/L		5
2,6-Dinitrotoluene	45.5	50	ug/L	J	5
2-Chloronaphthalene	BQL	50	ug/L	U	5
2-Chlorophenol	BQL	50	ug/L	U	5
2-Methylnaphthalene	BQL	50	ug/L	U	5
2-Nitroaniline	BQL	50	ug/L	U	5
2-Nitrophenol	BQL	50	ug/L	U	5
2-methylphenol	BQL	50	ug/L	U	5
3,3-Dichlorobenzidine	BQL	100	ug/L	U	5
3-Nitroaniline	BQL	50	ug/L	U	5
4,6-dinitro-2-methyl phenol	BQL	100	ug/L	U	5
4-Bromophenyl-phenylether	BQL	50	ug/L	U	5
4-Chloroaniline	BQL	50	ug/L	U	5
4-Chlorophenyl Phenyl Ether	BQL	50	ug/L	U	5
4-Nitroaniline	BQL	50	ug/L	U	5
4-Nitrophenol	BQL	100	ug/L	U	5
4-chloro-3-methylphenol	BQL	50	ug/L	U	5
4-methylphenol	BQL	50	ug/L	U	5
Acenaphthene	BQL	50	ug/L	U	5
Acenaphthylene	BQL	50	ug/L	U	5
Anthracene	BQL	50	ug/L	U	5
Benzo(a)anthracene	BQL	50	ug/L	U	5
Benzo(a)pyrene	BQL	50	ug/L	U	5
Benzo(b)fluoranthene	BQL	50	ug/L	U	5
Benzo(g,h,i)perylene	BQL	50	ug/L	U	5
Benzo(k)fluoranthene	BQL	50	ug/L	U	5
Benzyl Butyl Phthalate	BQL	50	ug/L	U	5
Carbazole	BQL	50	ug/L	U	5
Chrysene	BQL	50	ug/L	U	5

Summary of Analytical Results

Client ID AB3004DL
GPL ID: 9180-014-07-1/2
Matrix: Water
Date Collected: Sep-28-2000
Date Received: Sep-29-2000

Prep Method: SW3520C
Prep Date: Oct-04-2000
Prep Time: 15:44
Prep Chemist: Veena Telhan

Analytical Method: SW8270CTCL
Date Analyzed: Oct-21-2000
Time Analyzed 21:44
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	50	ug/L	U	5
Dibenzofuran	BQL	50	ug/L	U	5
Diethyl Phthalate	BQL	50	ug/L	U	5
Dimethyl Phthalate	BQL	50	ug/L	U	5
Fluoranthene	BQL	50	ug/L	U	5
Fluorene	BQL	50	ug/L	U	5
Hexachlorobenzene	BQL	50	ug/L	U	5
Hexachlorobutadiene	BQL	50	ug/L	U	5
Hexachlorocyclopentadiene	BQL	50	ug/L	U	5
Hexachloroethane	BQL	50	ug/L	U	5
Indeno(1,2,3-c,d)Pyrene	BQL	50	ug/L	U	5
Isophorone	BQL	50	ug/L	U	5
Naphthalene	BQL	50	ug/L	U	5
Nitrobenzene	BQL	50	ug/L	U	5
Pentachlorophenol	BQL	100	ug/L	U	5
Phenanthrene	BQL	50	ug/L	U	5
Phenol	BQL	50	ug/L	U	5
Pyrene	BQL	50	ug/L	U	5
bis(2-chloroethoxy) methane	BQL	50	ug/L	U	5
bis(2-chloroethyl) ether	BQL	50	ug/L	U	5
bis(2-ethylhexyl) phthalate	BQL	50	ug/L	U	5
di-n-Butyl Phthalate	BQL	50	ug/L	U	5
di-n-Octyl Phthalate	BQL	50	ug/L	U	5
n-Nitrosodi-n-Propylamine	BQL	50	ug/L	U	5
n-Nitrosodiphenylamine	BQL	50	ug/L	U	5

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB3006
GPL ID: 9180-015-07-1/2
Matrix: Water
Date Collected: Sep-28-2000
Date Received: Sep-29-2000

Prep Method: SW3520C
Prep Date: Oct-04-2000
Prep Time: 15:44
Prep Chemist: Veena Telhan

Analytical Method: SW8270CTCL
Date Analyzed: Oct-21-2000
Time Analyzed 19:02
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	10.5	ug/L	U	1
1,2-Dichlorobenzene	BQL	10.5	ug/L	U	1
1,3-Dichlorobenzene	BQL	10.5	ug/L	U	1
1,4-Dichlorobenzene	BQL	10.5	ug/L	U	1
2,2-Oxybis(1-Chloro)Propane	BQL	10.5	ug/L	U	1
2,4,5-Trichlorophenol	BQL	10.5	ug/L	U	1
2,4,6-Trichlorophenol	BQL	10.5	ug/L	U	1
2,4-Dichlorophenol	BQL	10.5	ug/L	U	1
2,4-Dimethylphenol	BQL	10.5	ug/L	U	1
2,4-Dinitrophenol	BQL	21.1	ug/L	U	1
2,4-Dinitrotoluene	BQL	10.5	ug/L	U	1
2,6-Dinitrotoluene	BQL	10.5	ug/L	U	1
2-Chloronaphthalene	BQL	10.5	ug/L	U	1
2-Chlorophenol	BQL	10.5	ug/L	U	1
2-Methylnaphthalene	BQL	10.5	ug/L	U	1
2-Nitroaniline	BQL	10.5	ug/L	U	1
2-Nitrophenol	BQL	10.5	ug/L	U	1
2-methylphenol	BQL	10.5	ug/L	U	1
3,3-Dichlorobenzidine	BQL	21.1	ug/L	U	1
3-Nitroaniline	BQL	10.5	ug/L	U	1
4,6-dinitro-2-methyl phenol	BQL	21.1	ug/L	U	1
4-Bromophenyl-phenylether	BQL	10.5	ug/L	U	1
4-Chloroaniline	BQL	10.5	ug/L	U	1
4-Chlorophenyl Phenyl Ether	BQL	10.5	ug/L	U	1
4-Nitroaniline	BQL	10.5	ug/L	U	1
4-Nitrophenol	BQL	21.1	ug/L	U	1
4-chloro-3-methylphenol	BQL	10.5	ug/L	U	1
4-methylphenol	BQL	10.5	ug/L	U	1
Acenaphthene	BQL	10.5	ug/L	U	1
Acenaphthylene	BQL	10.5	ug/L	U	1
Anthracene	BQL	10.5	ug/L	U	1
Benzo(a)anthracene	BQL	10.5	ug/L	U	1
Benzo(a)pyrene	BQL	10.5	ug/L	U	1
Benzo(b)fluoranthene	BQL	10.5	ug/L	U	1
Benzo(g,h,i)perylene	BQL	10.5	ug/L	U	1
Benzo(k)fluoranthene	BQL	10.5	ug/L	U	1
Benzyl Butyl Phthalate	BQL	10.5	ug/L	U	1
Carbazole	BQL	10.5	ug/L	U	1
Chrysene	BQL	10.5	ug/L	U	1

Summary of Analytical Results

Client ID AB3006
GPL ID: 9180-015-07-1/2
Matrix: Water
Date Collected: Sep-28-2000
Date Received: Sep-29-2000

Prep Method: SW3520C
Prep Date: Oct-04-2000
Prep Time: 15:44
Prep Chemist: Veena Telhan

Analytical Method: SW8270CTCL
Date Analyzed: Oct-21-2000
Time Analyzed 19:02
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	10.5	ug/L	U	1
Dibenzofuran	BQL	10.5	ug/L	U	1
Diethyl Phthalate	BQL	10.5	ug/L	U	1
Dimethyl Phthalate	BQL	10.5	ug/L	U	1
Fluoranthene	BQL	10.5	ug/L	U	1
Fluorene	BQL	10.5	ug/L	U	1
Hexachlorobenzene	BQL	10.5	ug/L	U	1
Hexachlorobutadiene	BQL	10.5	ug/L	U	1
Hexachlorocyclopentadiene	BQL	10.5	ug/L	U	1
Hexachloroethane	BQL	10.5	ug/L	U	1
Indeno(1,2,3-c,d)Pyrene	BQL	10.5	ug/L	U	1
Isophorone	BQL	10.5	ug/L	U	1
Naphthalene	BQL	10.5	ug/L	U	1
Nitrobenzene	BQL	10.5	ug/L	U	1
Pentachlorophenol	BQL	21.1	ug/L	U	1
Phenanthrene	BQL	10.5	ug/L	U	1
Phenol	BQL	10.5	ug/L	U	1
Pyrene	BQL	10.5	ug/L	U	1
bis(2-chloroethoxy) methane	BQL	10.5	ug/L	U	1
bis(2-chloroethyl) ether	BQL	10.5	ug/L	U	1
bis(2-ethylhexyl) phthalate	BQL	10.5	ug/L	U	1
di-n-Butyl Phthalate	BQL	10.5	ug/L	U	1
di-n-Octyl Phthalate	BQL	10.5	ug/L	U	1
n-Nitrosodi-n-Propylamine	BQL	10.5	ug/L	U	1
n-Nitrosodiphenylamine	BQL	10.5	ug/L	U	1

Summary of Analytical Results

Client ID AB3007
GPL ID: 9180-016-07-1/2
Matrix: Water
Date Collected: Sep-28-2000
Date Received: Sep-29-2000

Prep Method: SW3520C
Prep Date: Oct-04-2000
Prep Time: 15:44
Prep Chemist: Veena Telhan

Analytical Method: SW8270CTCL
Date Analyzed: Oct-21-2000
Time Analyzed 17:51
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	12.5	ug/L	U	1
1,2-Dichlorobenzene	BQL	12.5	ug/L	U	1
1,3-Dichlorobenzene	BQL	12.5	ug/L	U	1
1,4-Dichlorobenzene	BQL	12.5	ug/L	U	1
2,2-Oxybis(1-Chloro)Propane	BQL	12.5	ug/L	U	1
2,4,5-Trichlorophenol	BQL	12.5	ug/L	U	1
2,4,6-Trichlorophenol	BQL	12.5	ug/L	U	1
2,4-Dichlorophenol	BQL	12.5	ug/L	U	1
2,4-Dimethylphenol	BQL	12.5	ug/L	U	1
2,4-Dinitrophenol	BQL	25	ug/L	U	1
2,4-Dinitrotoluene	6.91	12.5	ug/L	J	1
2,6-Dinitrotoluene	BQL	12.5	ug/L	U	1
2-Chloronaphthalene	BQL	12.5	ug/L	U	1
2-Chlorophenol	BQL	12.5	ug/L	U	1
2-Methylnaphthalene	BQL	12.5	ug/L	U	1
2-Nitroaniline	BQL	12.5	ug/L	U	1
2-Nitrophenol	BQL	12.5	ug/L	U	1
2-methylphenol	BQL	12.5	ug/L	U	1
3,3-Dichlorobenzidine	BQL	25	ug/L	U	1
3-Nitroaniline	BQL	12.5	ug/L	U	1
4,6-dinitro-2-methyl phenol	BQL	25	ug/L	U	1
4-Bromophenyl-phenylether	BQL	12.5	ug/L	U	1
4-Chloroaniline	BQL	12.5	ug/L	U	1
4-Chlorophenyl Phenyl Ether	BQL	12.5	ug/L	U	1
4-Nitroaniline	BQL	12.5	ug/L	U	1
4-Nitrophenol	BQL	25	ug/L	U	1
4-chloro-3-methylphenol	BQL	12.5	ug/L	U	1
4-methylphenol	BQL	12.5	ug/L	U	1
Acenaphthene	BQL	12.5	ug/L	U	1
Acenaphthylene	BQL	12.5	ug/L	U	1
Anthracene	BQL	12.5	ug/L	U	1
Benzo(a)anthracene	BQL	12.5	ug/L	U	1
Benzo(a)pyrene	BQL	12.5	ug/L	U	1
Benzo(b)fluoranthene	BQL	12.5	ug/L	U	1
Benzo(g,h,i)perylene	BQL	12.5	ug/L	U	1
Benzo(k)fluoranthene	BQL	12.5	ug/L	U	1
Benzyl Butyl Phthalate	BQL	12.5	ug/L	U	1
Carbazole	BQL	12.5	ug/L	U	1
Chrysene	BQL	12.5	ug/L	U	1

Summary of Analytical Results

Client ID AB3007
GPL ID: 9180-016-07-1/2
Matrix: Water
Date Collected: Sep-28-2000
Date Received: Sep-29-2000

Prep Method: SW3520C
Prep Date: Oct-04-2000
Prep Time: 15:44
Prep Chemist: Veena Telhan

Analytical Method: SW8270CTCL
Date Analyzed: Oct-21-2000
Time Analyzed 17:51
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	12.5	ug/L	U	1
Dibenzofuran	BQL	12.5	ug/L	U	1
Diethyl Phthalate	BQL	12.5	ug/L	U	1
Dimethyl Phthalate	BQL	12.5	ug/L	U	1
Fluoranthene	BQL	12.5	ug/L	U	1
Fluorene	BQL	12.5	ug/L	U	1
Hexachlorobenzene	BQL	12.5	ug/L	U	1
Hexachlorobutadiene	BQL	12.5	ug/L	U	1
Hexachlorocyclopentadiene	BQL	12.5	ug/L	U	1
Hexachloroethane	BQL	12.5	ug/L	U	1
Indeno(1,2,3-c,d)Pyrene	BQL	12.5	ug/L	U	1
Isophorone	BQL	12.5	ug/L	U	1
Naphthalene	BQL	12.5	ug/L	U	1
Nitrobenzene	BQL	12.5	ug/L	U	1
Pentachlorophenol	BQL	25	ug/L	U	1
Phenanthrene	BQL	12.5	ug/L	U	1
Phenol	BQL	12.5	ug/L	U	1
Pyrene	BQL	12.5	ug/L	U	1
bis(2-chloroethoxy) methane	BQL	12.5	ug/L	U	1
bis(2-chloroethyl) ether	BQL	12.5	ug/L	U	1
bis(2-ethylhexyl) phthalate	BQL	12.5	ug/L	U	1
di-n-Butyl Phthalate	BQL	12.5	ug/L	U	1
di-n-Octyl Phthalate	BQL	12.5	ug/L	U	1
n-Nitrosodi-n-Propylamine	BQL	12.5	ug/L	U	1
n-Nitrosodiphenylamine	BQL	12.5	ug/L	U	1

Summary of Analytical Results

Client ID AA0468
GPL ID: 9180-002-04-1
Matrix: Soil
Date Collected: Sep-28-2000
Date Received: Sep-29-2000

Prep Method: SW3550
Prep Date: Oct-06-2000
Prep Time: 13:42
Prep Chemist: Veena Telhan

Analytical Method: SW8270CTCL
Date Analyzed: Oct-27-2000
Time Analyzed 10:04
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	433	ug/kg	U	1
1,2-Dichlorobenzene	BQL	433	ug/kg	U	1
1,3-Dichlorobenzene	BQL	433	ug/kg	U	1
1,4-Dichlorobenzene	BQL	433	ug/kg	U	1
2,2-Oxybis(1-Chloro)Propane	BQL	433	ug/kg	U	1
2,4,5-Trichlorophenol	BQL	433	ug/kg	U	1
2,4,6-Trichlorophenol	BQL	433	ug/kg	U	1
2,4-Dichlorophenol	BQL	433	ug/kg	U	1
2,4-Dimethylphenol	BQL	433	ug/kg	U	1
2,4-Dinitrophenol	BQL	866	ug/kg	U	1
2,4-Dinitrotoluene	558	433	ug/kg		1
2,6-Dinitrotoluene	208	433	ug/kg	J	1
2-Chloronaphthalene	BQL	433	ug/kg	U	1
2-Chlorophenol	BQL	433	ug/kg	U	1
2-Methylnaphthalene	BQL	433	ug/kg	U	1
2-Nitroaniline	BQL	433	ug/kg	U	1
2-Nitrophenol	BQL	433	ug/kg	U	1
2-methylphenol	BQL	433	ug/kg	U	1
3,3-Dichlorobenzidine	BQL	866	ug/kg	U	1
3-Nitroaniline	BQL	433	ug/kg	U	1
4,6-dinitro-2-methyl phenol	BQL	866	ug/kg	U	1
4-Bromophenyl-phenylether	BQL	433	ug/kg	U	1
4-Chloroaniline	BQL	433	ug/kg	U	1
4-Chlorophenyl Phenyl Ether	BQL	433	ug/kg	U	1
4-Nitroaniline	BQL	433	ug/kg	U	1
4-Nitrophenol	BQL	866	ug/kg	U	1
4-chloro-3-methylphenol	BQL	433	ug/kg	U	1
4-methylphenol	BQL	433	ug/kg	U	1
Acenaphthene	BQL	433	ug/kg	U	1
Acenaphthylene	BQL	433	ug/kg	U	1
Anthracene	BQL	433	ug/kg	U	1
Benzo(a)anthracene	BQL	433	ug/kg	U	1
Benzo(a)pyrene	BQL	433	ug/kg	U	1
Benzo(b)fluoranthene	BQL	433	ug/kg	U	1
Benzo(g,h,i)perylene	BQL	433	ug/kg	U	1
Benzo(k)fluoranthene	BQL	433	ug/kg	U	1
Benzyl Butyl Phthalate	BQL	433	ug/kg	U	1
Carbazole	BQL	433	ug/kg	U	1
Chrysene	BQL	433	ug/kg	U	1

Summary of Analytical Results

Client ID AA0468
GPL ID: 9180-002-04-1
Matrix: Soil
Date Collected: Sep-28-2000
Date Received: Sep-29-2000

Prep Method: SW3550
Prep Date: Oct-06-2000
Prep Time: 13:42
Prep Chemist: Veena Telhan

Analytical Method: SW8270CTCL
Date Analyzed: Oct-27-2000
Time Analyzed 10:04
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	433	ug/kg	U	1
Dibenzofuran	BQL	433	ug/kg	U	1
Diethyl Phthalate	BQL	433	ug/kg	U	1
Dimethyl Phthalate	BQL	433	ug/kg	U	1
Fluoranthene	BQL	433	ug/kg	U	1
Fluorene	BQL	433	ug/kg	U	1
Hexachlorobenzene	BQL	433	ug/kg	U	1
Hexachlorobutadiene	BQL	433	ug/kg	U	1
Hexachlorocyclopentadiene	BQL	433	ug/kg	U	1
Hexachloroethane	BQL	433	ug/kg	U	1
Indeno(1,2,3-c,d)Pyrene	BQL	433	ug/kg	U	1
Isophorone	BQL	433	ug/kg	U	1
Naphthalene	BQL	433	ug/kg	U	1
Nitrobenzene	BQL	433	ug/kg	U	1
Pentachlorophenol	BQL	866	ug/kg	U	1
Phenanthrene	BQL	433	ug/kg	U	1
Phenol	BQL	433	ug/kg	U	1
Pyrene	BQL	433	ug/kg	U	1
bis(2-chloroethoxy) methane	BQL	433	ug/kg	U	1
bis(2-chloroethyl) ether	BQL	433	ug/kg	U	1
bis(2-ethylhexyl) phthalate	26.0	433	ug/kg	J	1
di-n-Butyl Phthalate	BQL	433	ug/kg	U	1
di-n-Octyl Phthalate	BQL	433	ug/kg	U	1
n-Nitrosodi-n-Propylamine	BQL	433	ug/kg	U	1
n-Nitrosodiphenylamine	BQL	433	ug/kg	U	1

Summary of Analytical Results

Client ID AA0469
GPL ID: 9180-003-04-1
Matrix: Soil
Date Collected: Sep-28-2000
Date Received: Sep-29-2000

Prep Method: SW3550
Prep Date: Oct-06-2000
Prep Time: 13:42
Prep Chemist: Veena Telhan

Analytical Method: SW8270CTCL
Date Analyzed: Oct-27-2000
Time Analyzed 12:29
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	412	ug/kg	U	1
1,2-Dichlorobenzene	BQL	412	ug/kg	U	1
1,3-Dichlorobenzene	BQL	412	ug/kg	U	1
1,4-Dichlorobenzene	BQL	412	ug/kg	U	1
2,2-Oxybis(1-Chloro)Propane	BQL	412	ug/kg	U	1
2,4,5-Trichlorophenol	BQL	412	ug/kg	U	1
2,4,6-Trichlorophenol	BQL	412	ug/kg	U	1
2,4-Dichlorophenol	BQL	412	ug/kg	U	1
2,4-Dimethylphenol	BQL	412	ug/kg	U	1
2,4-Dinitrophenol	BQL	824	ug/kg	U	1
2,4-Dinitrotoluene	BQL	412	ug/kg	U	1
2,6-Dinitrotoluene	BQL	412	ug/kg	U	1
2-Chloronaphthalene	BQL	412	ug/kg	U	1
2-Chlorophenol	BQL	412	ug/kg	U	1
2-Methylnaphthalene	BQL	412	ug/kg	U	1
2-Nitroaniline	BQL	412	ug/kg	U	1
2-Nitrophenol	BQL	412	ug/kg	U	1
2-methylphenol	BQL	412	ug/kg	U	1
3,3-Dichlorobenzidine	BQL	824	ug/kg	U	1
3-Nitroaniline	BQL	412	ug/kg	U	1
4,6-dinitro-2-methyl phenol	BQL	824	ug/kg	U	1
4-Bromophenyl-phenylether	BQL	412	ug/kg	U	1
4-Chloroaniline	BQL	412	ug/kg	U	1
4-Chlorophenyl Phenyl Ether	BQL	412	ug/kg	U	1
4-Nitroaniline	BQL	412	ug/kg	U	1
4-Nitrophenol	BQL	824	ug/kg	U	1
4-chloro-3-methylphenol	BQL	412	ug/kg	U	1
4-methylphenol	BQL	412	ug/kg	U	1
Acenaphthene	BQL	412	ug/kg	U	1
Acenaphthylene	BQL	412	ug/kg	U	1
Anthracene	BQL	412	ug/kg	U	1
Benzo(a)anthracene	BQL	412	ug/kg	U	1
Benzo(a)pyrene	BQL	412	ug/kg	U	1
Benzo(b)fluoranthene	BQL	412	ug/kg	U	1
Benzo(g,h,i)perylene	BQL	412	ug/kg	U	1
Benzo(k)fluoranthene	BQL	412	ug/kg	U	1
Benzyl Butyl Phthalate	BQL	412	ug/kg	U	1
Carbazole	BQL	412	ug/kg	U	1
Chrysene	BQL	412	ug/kg	U	1

Summary of Analytical Results

Client ID AA0469
GPL ID: 9180-003-04-1
Matrix: Soil
Date Collected: Sep-28-2000
Date Received: Sep-29-2000

Prep Method: SW3550
Prep Date: Oct-06-2000
Prep Time: 13:42
Prep Chemist: Veena Telhan

Analytical Method: SW8270CTCL
Date Analyzed: Oct-27-2000
Time Analyzed 12:29
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	412	ug/kg	U	1
Dibenzofuran	BQL	412	ug/kg	U	1
Diethyl Phthalate	BQL	412	ug/kg	U	1
Dimethyl Phthalate	BQL	412	ug/kg	U	1
Fluoranthene	BQL	412	ug/kg	U	1
Fluorene	BQL	412	ug/kg	U	1
Hexachlorobenzene	BQL	412	ug/kg	U	1
Hexachlorobutadiene	BQL	412	ug/kg	U	1
Hexachlorocyclopentadiene	BQL	412	ug/kg	U	1
Hexachloroethane	BQL	412	ug/kg	U	1
Indeno(1,2,3-c,d)Pyrene	BQL	412	ug/kg	U	1
Isophorone	BQL	412	ug/kg	U	1
Naphthalene	BQL	412	ug/kg	U	1
Nitrobenzene	BQL	412	ug/kg	U	1
Pentachlorophenol	BQL	824	ug/kg	U	1
Phenanthrene	BQL	412	ug/kg	U	1
Phenol	BQL	412	ug/kg	U	1
Pyrene	BQL	412	ug/kg	U	1
bis(2-chloroethoxy) methane	BQL	412	ug/kg	U	1
bis(2-chloroethyl) ether	BQL	412	ug/kg	U	1
bis(2-ethylhexyl) phthalate	BQL	412	ug/kg	U	1
di-n-Butyl Phthalate	BQL	412	ug/kg	U	1
di-n-Octyl Phthalate	BQL	412	ug/kg	U	1
n-Nitrosodi-n-Propylamine	BQL	412	ug/kg	U	1
n-Nitrosodiphenylamine	BQL	412	ug/kg	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AA0470
GPL ID: 9180-004-04-1
Matrix: Soil
Date Collected: Sep-28-2000
Date Received: Sep-29-2000

Prep Method: SW3550
Prep Date: Oct-06-2000
Prep Time: 13:42
Prep Chemist: Veena Telhan

Analytical Method: SW8270CTCL
Date Analyzed: Oct-26-2000
Time Analyzed 19:49
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	371	ug/kg	U	1
1,2-Dichlorobenzene	BQL	371	ug/kg	U	1
1,3-Dichlorobenzene	BQL	371	ug/kg	U	1
1,4-Dichlorobenzene	BQL	371	ug/kg	U	1
2,2-Oxybis(1-Chloro)Propane	BQL	371	ug/kg	U	1
2,4,5-Trichlorophenol	BQL	371	ug/kg	U	1
2,4,6-Trichlorophenol	BQL	371	ug/kg	U	1
2,4-Dichlorophenol	BQL	371	ug/kg	U	1
2,4-Dimethylphenol	BQL	371	ug/kg	U	1
2,4-Dinitrophenol	BQL	742	ug/kg	U	1
2,4-Dinitrotoluene	BQL	371	ug/kg	U	1
2,6-Dinitrotoluene	BQL	371	ug/kg	U	1
2-Chloronaphthalene	BQL	371	ug/kg	U	1
2-Chlorophenol	BQL	371	ug/kg	U	1
2-Methylnaphthalene	BQL	371	ug/kg	U	1
2-Nitroaniline	BQL	371	ug/kg	U	1
2-Nitrophenol	BQL	371	ug/kg	U	1
2-methylphenol	BQL	371	ug/kg	U	1
3,3-Dichlorobenzidine	BQL	742	ug/kg	U	1
3-Nitroaniline	BQL	371	ug/kg	U	1
4,6-dinitro-2-methyl phenol	BQL	742	ug/kg	U	1
4-Bromophenyl-phenylether	BQL	371	ug/kg	U	1
4-Chloroaniline	BQL	371	ug/kg	U	1
4-Chlorophenyl Phenyl Ether	BQL	371	ug/kg	U	1
4-Nitroaniline	BQL	371	ug/kg	U	1
4-Nitrophenol	BQL	742	ug/kg	U	1
4-chloro-3-methylphenol	BQL	371	ug/kg	U	1
4-methylphenol	BQL	371	ug/kg	U	1
Acenaphthene	BQL	371	ug/kg	U	1
Acenaphthylene	BQL	371	ug/kg	U	1
Anthracene	BQL	371	ug/kg	U	1
Benzo(a)anthracene	BQL	371	ug/kg	U	1
Benzo(a)pyrene	BQL	371	ug/kg	U	1
Benzo(b)fluoranthene	BQL	371	ug/kg	U	1
Benzo(g,h,i)perylene	BQL	371	ug/kg	U	1
Benzo(k)fluoranthene	BQL	371	ug/kg	U	1
Benzyl Butyl Phthalate	BQL	371	ug/kg	U	1
Carbazole	BQL	371	ug/kg	U	1
Chrysene	BQL	371	ug/kg	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AA0470
GPL ID: 9180-004-04-1
Matrix: Soil
Date Collected: Sep-28-2000
Date Received: Sep-29-2000

Prep Method: SW3550
Prep Date: Oct-06-2000
Prep Time: 13:42
Prep Chemist: Veena Telhan

Analytical Method: SW8270CTCL
Date Analyzed: Oct-26-2000
Time Analyzed 19:49
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	371	ug/kg	U	1
Dibenzofuran	BQL	371	ug/kg	U	1
Diethyl Phthalate	BQL	371	ug/kg	U	1
Dimethyl Phthalate	BQL	371	ug/kg	U	1
Fluoranthene	BQL	371	ug/kg	U	1
Fluorene	BQL	371	ug/kg	U	1
Hexachlorobenzene	BQL	371	ug/kg	U	1
Hexachlorobutadiene	BQL	371	ug/kg	U	1
Hexachlorocyclopentadiene	BQL	371	ug/kg	U	1
Hexachloroethane	BQL	371	ug/kg	U	1
Indeno(1,2,3-c,d)Pyrene	BQL	371	ug/kg	U	1
Isophorone	BQL	371	ug/kg	U	1
Naphthalene	BQL	371	ug/kg	U	1
Nitrobenzene	BQL	371	ug/kg	U	1
Pentachlorophenol	BQL	742	ug/kg	U	1
Phenanthrene	BQL	371	ug/kg	U	1
Phenol	BQL	371	ug/kg	U	1
Pyrene	BQL	371	ug/kg	U	1
bis(2-chloroethoxy) methane	BQL	371	ug/kg	U	1
bis(2-chloroethyl) ether	BQL	371	ug/kg	U	1
bis(2-ethylhexyl) phthalate	BQL	371	ug/kg	U	1
di-n-Butyl Phthalate	BQL	371	ug/kg	U	1
di-n-Octyl Phthalate	BQL	371	ug/kg	U	1
n-Nitrosodi-n-Propylamine	BQL	371	ug/kg	U	1
n-Nitrosodiphenylamine	BQL	371	ug/kg	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AA0471
GPL ID: 9180-005-04-1
Matrix: Soil
Date Collected: Sep-28-2000
Date Received: Sep-29-2000

Prep Method: SW3550
Prep Date: Oct-06-2000
Prep Time: 13:42
Prep Chemist: Veena Telhan

Analytical Method: SW8270CTCL
Date Analyzed: Oct-26-2000
Time Analyzed 20:37
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	409	ug/kg	U	1
1,2-Dichlorobenzene	BQL	409	ug/kg	U	1
1,3-Dichlorobenzene	BQL	409	ug/kg	U	1
1,4-Dichlorobenzene	BQL	409	ug/kg	U	1
2,2-Oxybis(1-Chloro)Propane	BQL	409	ug/kg	U	1
2,4,5-Trichlorophenol	BQL	409	ug/kg	U	1
2,4,6-Trichlorophenol	BQL	409	ug/kg	U	1
2,4-Dichlorophenol	BQL	409	ug/kg	U	1
2,4-Dimethylphenol	BQL	409	ug/kg	U	1
2,4-Dinitrophenol	BQL	817	ug/kg	U	1
2,4-Dinitrotoluene	831	409	ug/kg		1
2,6-Dinitrotoluene	248	409	ug/kg	J	1
2-Chloronaphthalene	BQL	409	ug/kg	U	1
2-Chlorophenol	BQL	409	ug/kg	U	1
2-Methylnaphthalene	BQL	409	ug/kg	U	1
2-Nitroaniline	BQL	409	ug/kg	U	1
2-Nitrophenol	BQL	409	ug/kg	U	1
2-methylphenol	BQL	409	ug/kg	U	1
3,3-Dichlorobenzidine	BQL	817	ug/kg	U	1
3-Nitroaniline	BQL	409	ug/kg	U	1
4,6-dinitro-2-methyl phenol	BQL	817	ug/kg	U	1
4-Bromophenyl-phenylether	BQL	409	ug/kg	U	1
4-Chloroaniline	BQL	409	ug/kg	U	1
4-Chlorophenyl Phenyl Ether	BQL	409	ug/kg	U	1
4-Nitroaniline	BQL	409	ug/kg	U	1
4-Nitrophenol	BQL	817	ug/kg	U	1
4-chloro-3-methylphenol	BQL	409	ug/kg	U	1
4-methylphenol	BQL	409	ug/kg	U	1
Acenaphthene	BQL	409	ug/kg	U	1
Acenaphthylene	BQL	409	ug/kg	U	1
Anthracene	BQL	409	ug/kg	U	1
Benzo(a)anthracene	BQL	409	ug/kg	U	1
Benzo(a)pyrene	BQL	409	ug/kg	U	1
Benzo(b)fluoranthene	BQL	409	ug/kg	U	1
Benzo(g,h,i)perylene	BQL	409	ug/kg	U	1
Benzo(k)fluoranthene	BQL	409	ug/kg	U	1
Benzyl Butyl Phthalate	BQL	409	ug/kg	U	1
Carbazole	BQL	409	ug/kg	U	1
Chrysene	BQL	409	ug/kg	U	1

Summary of Analytical Results

Client ID AA0471
GPL ID: 9180-005-04-1
Matrix: Soil
Date Collected: Sep-28-2000
Date Received: Sep-29-2000

Prep Method: SW3550
Prep Date: Oct-06-2000
Prep Time: 13:42
Prep Chemist: Veena Telhan

Analytical Method: SW8270CTCL
Date Analyzed: Oct-26-2000
Time Analyzed 20:37
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	409	ug/kg	U	1
Dibenzofuran	BQL	409	ug/kg	U	1
Diethyl Phthalate	BQL	409	ug/kg	U	1
Dimethyl Phthalate	BQL	409	ug/kg	U	1
Fluoranthene	BQL	409	ug/kg	U	1
Fluorene	BQL	409	ug/kg	U	1
Hexachlorobenzene	BQL	409	ug/kg	U	1
Hexachlorobutadiene	BQL	409	ug/kg	U	1
Hexachlorocyclopentadiene	BQL	409	ug/kg	U	1
Hexachloroethane	BQL	409	ug/kg	U	1
Indeno(1,2,3-c,d)Pyrene	BQL	409	ug/kg	U	1
Isophorone	BQL	409	ug/kg	U	1
Naphthalene	BQL	409	ug/kg	U	1
Nitrobenzene	BQL	409	ug/kg	U	1
Pentachlorophenol	BQL	817	ug/kg	U	1
Phenanthrene	BQL	409	ug/kg	U	1
Phenol	BQL	409	ug/kg	U	1
Pyrene	BQL	409	ug/kg	U	1
bis(2-chloroethoxy) methane	BQL	409	ug/kg	U	1
bis(2-chloroethyl) ether	BQL	409	ug/kg	U	1
bis(2-ethylhexyl) phthalate	BQL	409	ug/kg	U	1
di-n-Butyl Phthalate	BQL	409	ug/kg	U	1
di-n-Octyl Phthalate	BQL	409	ug/kg	U	1
n-Nitrosodi-n-Propylamine	BQL	409	ug/kg	U	1
n-Nitrosodiphenylamine	BQL	409	ug/kg	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB0460
GPL ID: 9180-006-04-1
Matrix: Soil
Date Collected: Sep-28-2000
Date Received: Sep-29-2000

Prep Method: SW3550
Prep Date: Oct-06-2000
Prep Time: 13:42
Prep Chemist: Veena Telhan

Analytical Method: SW8270CTCL
Date Analyzed: Oct-27-2000
Time Analyzed 02:18
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	372	ug/kg	U	1
1,2-Dichlorobenzene	BQL	372	ug/kg	U	1
1,3-Dichlorobenzene	BQL	372	ug/kg	U	1
1,4-Dichlorobenzene	BQL	372	ug/kg	U	1
2,2-Oxybis(1-Chloro)Propane	BQL	372	ug/kg	U	1
2,4,5-Trichlorophenol	BQL	372	ug/kg	U	1
2,4,6-Trichlorophenol	BQL	372	ug/kg	U	1
2,4-Dichlorophenol	BQL	372	ug/kg	U	1
2,4-Dimethylphenol	BQL	372	ug/kg	U	1
2,4-Dinitrophenol	BQL	743	ug/kg	U	1
2,4-Dinitrotoluene	689	372	ug/kg		1
2,6-Dinitrotoluene	97.7	372	ug/kg	J	1
2-Chloronaphthalene	BQL	372	ug/kg	U	1
2-Chlorophenol	BQL	372	ug/kg	U	1
2-Methylnaphthalene	BQL	372	ug/kg	U	1
2-Nitroaniline	BQL	372	ug/kg	U	1
2-Nitrophenol	BQL	372	ug/kg	U	1
2-methylphenol	BQL	372	ug/kg	U	1
3,3-Dichlorobenzidine	BQL	743	ug/kg	U	1
3-Nitroaniline	BQL	372	ug/kg	U	1
4,6-dinitro-2-methyl phenol	BQL	743	ug/kg	U	1
4-Bromophenyl-phenylether	BQL	372	ug/kg	U	1
4-Chloroaniline	BQL	372	ug/kg	U	1
4-Chlorophenyl Phenyl Ether	BQL	372	ug/kg	U	1
4-Nitroaniline	BQL	372	ug/kg	U	1
4-Nitrophenol	BQL	743	ug/kg	U	1
4-chloro-3-methylphenol	BQL	372	ug/kg	U	1
4-methylphenol	BQL	372	ug/kg	U	1
Acenaphthene	BQL	372	ug/kg	U	1
Acenaphthylene	BQL	372	ug/kg	U	1
Anthracene	BQL	372	ug/kg	U	1
Benzo(a)anthracene	46.5	372	ug/kg	J	1
Benzo(a)pyrene	41.3	372	ug/kg	J	1
Benzo(b)fluoranthene	BQL	372	ug/kg	U	1
Benzo(g,h,i)perylene	BQL	372	ug/kg	U	1
Benzo(k)fluoranthene	BQL	372	ug/kg	U	1
Benzyl Butyl Phthalate	BQL	372	ug/kg	U	1
Carbazole	BQL	372	ug/kg	U	1
Chrysene	53.5	372	ug/kg	J	1

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Summary of Analytical Results

Client ID AB0460
GPL ID: 9180-006-04-1
Matrix: Soil
Date Collected: Sep-28-2000
Date Received: Sep-29-2000

Prep Method: SW3550
Prep Date: Oct-06-2000
Prep Time: 13:42
Prep Chemist: Veena Telhan

Analytical Method: SW8270CTCL
Date Analyzed: Oct-27-2000
Time Analyzed 02:18
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	372	ug/kg	U	1
Dibenzofuran	BQL	372	ug/kg	U	1
Diethyl Phthalate	BQL	372	ug/kg	U	1
Dimethyl Phthalate	BQL	372	ug/kg	U	1
Fluoranthene	BQL	372	ug/kg	U	1
Fluorene	BQL	372	ug/kg	U	1
Hexachlorobenzene	BQL	372	ug/kg	U	1
Hexachlorobutadiene	BQL	372	ug/kg	U	1
Hexachlorocyclopentadiene	BQL	372	ug/kg	U	1
Hexachloroethane	BQL	372	ug/kg	U	1
Indeno(1,2,3-c,d)Pyrene	BQL	372	ug/kg	U	1
Isophorone	BQL	372	ug/kg	U	1
Naphthalene	BQL	372	ug/kg	U	1
Nitrobenzene	BQL	372	ug/kg	U	1
Pentachlorophenol	BQL	743	ug/kg	U	1
Phenanthrene	BQL	372	ug/kg	U	1
Phenol	BQL	372	ug/kg	U	1
Pyrene	BQL	372	ug/kg	U	1
bis(2-chloroethoxy) methane	BQL	372	ug/kg	U	1
bis(2-chloroethyl) ether	BQL	372	ug/kg	U	1
bis(2-ethylhexyl) phthalate	BQL	372	ug/kg	U	1
di-n-Butyl Phthalate	BQL	372	ug/kg	U	1
di-n-Octyl Phthalate	BQL	372	ug/kg	U	1
n-Nitrosodi-n-Propylamine	BQL	372	ug/kg	U	1
n-Nitrosodiphenylamine	BQL	372	ug/kg	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB0461DL
GPL ID: 9180-007-04-1
Matrix: Soil
Date Collected: Sep-28-2000
Date Received: Sep-29-2000

Prep Method: SW3550
Prep Date: Oct-06-2000
Prep Time: 13:42
Prep Chemist: Veena Telhan

Analytical Method: SW8270CTCL
Date Analyzed: Oct-27-2000
Time Analyzed 13:18
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	7960	ug/kg	U	20
1,2-Dichlorobenzene	BQL	7960	ug/kg	U	20
1,3-Dichlorobenzene	BQL	7960	ug/kg	U	20
1,4-Dichlorobenzene	BQL	7960	ug/kg	U	20
2,2-Oxybis(1-Chloro)Propane	BQL	7960	ug/kg	U	20
2,4,5-Trichlorophenol	BQL	7960	ug/kg	U	20
2,4,6-Trichlorophenol	BQL	7960	ug/kg	U	20
2,4-Dichlorophenol	BQL	7960	ug/kg	U	20
2,4-Dimethylphenol	BQL	7960	ug/kg	U	20
2,4-Dinitrophenol	BQL	15900	ug/kg	U	20
2,4-Dinitrotoluene	156000	7960	ug/kg	E	20
2,6-Dinitrotoluene	65500	7960	ug/kg		20
2-Chloronaphthalene	BQL	7960	ug/kg	U	20
2-Chlorophenol	BQL	7960	ug/kg	U	20
2-Methylnaphthalene	BQL	7960	ug/kg	U	20
2-Nitroaniline	BQL	7960	ug/kg	U	20
2-Nitrophenol	BQL	7960	ug/kg	U	20
2-methylphenol	BQL	7960	ug/kg	U	20
3,3-Dichlorobenzidine	BQL	15900	ug/kg	U	20
3-Nitroaniline	BQL	7960	ug/kg	U	20
4,6-dinitro-2-methyl phenol	BQL	15900	ug/kg	U	20
4-Bromophenyl-phenylether	BQL	7960	ug/kg	U	20
4-Chloroaniline	BQL	7960	ug/kg	U	20
4-Chlorophenyl Phenyl Ether	BQL	7960	ug/kg	U	20
4-Nitroaniline	BQL	7960	ug/kg	U	20
4-Nitrophenol	BQL	15900	ug/kg	U	20
4-chloro-3-methylphenol	BQL	7960	ug/kg	U	20
4-methylphenol	BQL	7960	ug/kg	U	20
Acenaphthene	BQL	7960	ug/kg	U	20
Acenaphthylene	BQL	7960	ug/kg	U	20
Anthracene	BQL	7960	ug/kg	U	20
Benzo(a)anthracene	BQL	7960	ug/kg	U	20
Benzo(a)pyrene	BQL	7960	ug/kg	U	20
Benzo(b)fluoranthene	BQL	7960	ug/kg	U	20
Benzo(g,h,i)perylene	BQL	7960	ug/kg	U	20
Benzo(k)fluoranthene	BQL	7960	ug/kg	U	20
Benzyl Butyl Phthalate	BQL	7960	ug/kg	U	20
Carbazole	BQL	7960	ug/kg	U	20
Chrysene	BQL	7960	ug/kg	U	20

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB0461DL
GPL ID: 9180-007-04-1
Matrix: Soil
Date Collected: Sep-28-2000
Date Received: Sep-29-2000

Prep Method: SW3550
Prep Date: Oct-06-2000
Prep Time: 13:42
Prep Chemist: Veena Telhan

Analytical Method: SW8270CTCL
Date Analyzed: Oct-27-2000
Time Analyzed 13:18
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	7960	ug/kg	U	20
Dibenzofuran	BQL	7960	ug/kg	U	20
Diethyl Phthalate	BQL	7960	ug/kg	U	20
Dimethyl Phthalate	BQL	7960	ug/kg	U	20
Fluoranthene	BQL	7960	ug/kg	U	20
Fluorene	BQL	7960	ug/kg	U	20
Hexachlorobenzene	BQL	7960	ug/kg	U	20
Hexachlorobutadiene	BQL	7960	ug/kg	U	20
Hexachlorocyclopentadiene	BQL	7960	ug/kg	U	20
Hexachloroethane	BQL	7960	ug/kg	U	20
Indeno(1,2,3-c,d)Pyrene	BQL	7960	ug/kg	U	20
Isophorone	BQL	7960	ug/kg	U	20
Naphthalene	BQL	7960	ug/kg	U	20
Nitrobenzene	BQL	7960	ug/kg	U	20
Pentachlorophenol	BQL	15900	ug/kg	U	20
Phenanthrene	BQL	7960	ug/kg	U	20
Phenol	BQL	7960	ug/kg	U	20
Pyrene	BQL	7960	ug/kg	U	20
bis(2-chloroethoxy) methane	BQL	7960	ug/kg	U	20
bis(2-chloroethyl) ether	BQL	7960	ug/kg	U	20
bis(2-ethylhexyl) phthalate	BQL	7960	ug/kg	U	20
di-n-Butyl Phthalate	BQL	7960	ug/kg	U	20
di-n-Octyl Phthalate	BQL	7960	ug/kg	U	20
n-Nitrosodi-n-Propylamine	BQL	7960	ug/kg	U	20
n-Nitrosodiphenylamine	BQL	7960	ug/kg	U	20

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB0461DL2
GPL ID: 9180-007-04-1
Matrix: Soil
Date Collected: Sep-28-2000
Date Received: Sep-29-2000

Prep Method: SW3550
Prep Date: Oct-06-2000
Prep Time: 13:42
Prep Chemist: Veena Telhan

Analytical Method: SW8270CTCL
Date Analyzed: Oct-27-2000
Time Analyzed 17:24
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	15900	ug/kg	U	40
1,2-Dichlorobenzene	BQL	15900	ug/kg	U	40
1,3-Dichlorobenzene	BQL	15900	ug/kg	U	40
1,4-Dichlorobenzene	BQL	15900	ug/kg	U	40
2,2-Oxybis(1-Chloro)Propane	BQL	15900	ug/kg	U	40
2,4,5-Trichlorophenol	BQL	15900	ug/kg	U	40
2,4,6-Trichlorophenol	BQL	15900	ug/kg	U	40
2,4-Dichlorophenol	BQL	15900	ug/kg	U	40
2,4-Dimethylphenol	BQL	15900	ug/kg	U	40
2,4-Dinitrophenol	BQL	31900	ug/kg	U	40
2,4-Dinitrotoluene	170000	15900	ug/kg		40
2,6-Dinitrotoluene	67200	15900	ug/kg		40
2-Chloronaphthalene	BQL	15900	ug/kg	U	40
2-Chlorophenol	BQL	15900	ug/kg	U	40
2-Methylnaphthalene	BQL	15900	ug/kg	U	40
2-Nitroaniline	BQL	15900	ug/kg	U	40
2-Nitrophenol	BQL	15900	ug/kg	U	40
2-methylphenol	BQL	15900	ug/kg	U	40
3,3-Dichlorobenzidine	BQL	31900	ug/kg	U	40
3-Nitroaniline	BQL	15900	ug/kg	U	40
4,6-dinitro-2-methyl phenol	BQL	31900	ug/kg	U	40
4-Bromophenyl-phenylether	BQL	15900	ug/kg	U	40
4-Chloroaniline	BQL	15900	ug/kg	U	40
4-Chlorophenyl Phenyl Ether	BQL	15900	ug/kg	U	40
4-Nitroaniline	BQL	15900	ug/kg	U	40
4-Nitrophenol	BQL	31900	ug/kg	U	40
4-chloro-3-methylphenol	BQL	15900	ug/kg	U	40
4-methylphenol	BQL	15900	ug/kg	U	40
Acenaphthene	BQL	15900	ug/kg	U	40
Acenaphthylene	BQL	15900	ug/kg	U	40
Anthracene	BQL	15900	ug/kg	U	40
Benzo(a)anthracene	BQL	15900	ug/kg	U	40
Benzo(a)pyrene	BQL	15900	ug/kg	U	40
Benzo(b)fluoranthene	BQL	15900	ug/kg	U	40
Benzo(g,h,i)perylene	BQL	15900	ug/kg	U	40
Benzo(k)fluoranthene	BQL	15900	ug/kg	U	40
Benzyl Butyl Phthalate	BQL	15900	ug/kg	U	40
Carbazole	BQL	15900	ug/kg	U	40
Chrysene	BQL	15900	ug/kg	U	40

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB0461DL2
GPL ID: 9180-007-04-1
Matrix: Soil
Date Collected: Sep-28-2000
Date Received: Sep-29-2000

Prep Method: SW3550
Prep Date: Oct-06-2000
Prep Time: 13:42
Prep Chemist: Veena Telhan

Analytical Method: SW8270CTCL
Date Analyzed: Oct-27-2000
Time Analyzed 17:24
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	15900	ug/kg	U	40
Dibenzofuran	BQL	15900	ug/kg	U	40
Diethyl Phthalate	BQL	15900	ug/kg	U	40
Dimethyl Phthalate	BQL	15900	ug/kg	U	40
Fluoranthene	BQL	15900	ug/kg	U	40
Fluorene	BQL	15900	ug/kg	U	40
Hexachlorobenzene	BQL	15900	ug/kg	U	40
Hexachlorobutadiene	BQL	15900	ug/kg	U	40
Hexachlorocyclopentadiene	BQL	15900	ug/kg	U	40
Hexachloroethane	BQL	15900	ug/kg	U	40
Indeno(1,2,3-c,d)Pyrene	BQL	15900	ug/kg	U	40
Isophorone	BQL	15900	ug/kg	U	40
Naphthalene	BQL	15900	ug/kg	U	40
Nitrobenzene	BQL	15900	ug/kg	U	40
Pentachlorophenol	BQL	31900	ug/kg	U	40
Phenanthrene	BQL	15900	ug/kg	U	40
Phenol	BQL	15900	ug/kg	U	40
Pyrene	BQL	15900	ug/kg	U	40
bis(2-chloroethoxy) methane	BQL	15900	ug/kg	U	40
bis(2-chloroethyl) ether	BQL	15900	ug/kg	U	40
bis(2-ethylhexyl) phthalate	BQL	15900	ug/kg	U	40
di-n-Butyl Phthalate	BQL	15900	ug/kg	U	40
di-n-Octyl Phthalate	BQL	15900	ug/kg	U	40
n-Nitrosodi-n-Propylamine	BQL	15900	ug/kg	U	40
n-Nitrosodiphenylamine	BQL	15900	ug/kg	U	40

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB0462DL
GPL ID: 9180-008-04-1
Matrix: Soil
Date Collected: Sep-28-2000
Date Received: Sep-29-2000

Prep Method: SW3550
Prep Date: Oct-06-2000
Prep Time: 13:42
Prep Chemist: Veena Telhan

Analytical Method: SW8270CTCL
Date Analyzed: Oct-27-2000
Time Analyzed 14:07
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	1810	ug/kg	U	5
1,2-Dichlorobenzene	BQL	1810	ug/kg	U	5
1,3-Dichlorobenzene	BQL	1810	ug/kg	U	5
1,4-Dichlorobenzene	BQL	1810	ug/kg	U	5
2,2-Oxybis(1-Chloro)Propane	BQL	1810	ug/kg	U	5
2,4,5-Trichlorophenol	BQL	1810	ug/kg	U	5
2,4,6-Trichlorophenol	BQL	1810	ug/kg	U	5
2,4-Dichlorophenol	BQL	1810	ug/kg	U	5
2,4-Dimethylphenol	BQL	1810	ug/kg	U	5
2,4-Dinitrophenol	BQL	3620	ug/kg	U	5
2,4-Dinitrotoluene	13200	1810	ug/kg		5
2,6-Dinitrotoluene	6830	1810	ug/kg		5
2-Chloronaphthalene	BQL	1810	ug/kg	U	5
2-Chlorophenol	BQL	1810	ug/kg	U	5
2-Methylnaphthalene	BQL	1810	ug/kg	U	5
2-Nitroaniline	BQL	1810	ug/kg	U	5
2-Nitrophenol	BQL	1810	ug/kg	U	5
2-methylphenol	BQL	1810	ug/kg	U	5
3,3-Dichlorobenzidine	BQL	3620	ug/kg	U	5
3-Nitroaniline	BQL	1810	ug/kg	U	5
4,6-dinitro-2-methyl phenol	BQL	3620	ug/kg	U	5
4-Bromophenyl-phenylether	BQL	1810	ug/kg	U	5
4-Chloroaniline	BQL	1810	ug/kg	U	5
4-Chlorophenyl Phenyl Ether	BQL	1810	ug/kg	U	5
4-Nitroaniline	BQL	1810	ug/kg	U	5
4-Nitrophenol	BQL	3620	ug/kg	U	5
4-chloro-3-methylphenol	BQL	1810	ug/kg	U	5
4-methylphenol	BQL	1810	ug/kg	U	5
Acenaphthene	BQL	1810	ug/kg	U	5
Acenaphthylene	BQL	1810	ug/kg	U	5
Anthracene	BQL	1810	ug/kg	U	5
Benzo(a)anthracene	BQL	1810	ug/kg	U	5
Benzo(a)pyrene	BQL	1810	ug/kg	U	5
Benzo(b)fluoranthene	BQL	1810	ug/kg	U	5
Benzo(g,h,i)perylene	BQL	1810	ug/kg	U	5
Benzo(k)fluoranthene	BQL	1810	ug/kg	U	5
Benzyl Butyl Phthalate	BQL	1810	ug/kg	U	5
Carbazole	BQL	1810	ug/kg	U	5
Chrysene	BQL	1810	ug/kg	U	5

Summary of Analytical Results

Client ID AB0462DL
GPL ID: 9180-008-04-1
Matrix: Soil
Date Collected: Sep-28-2000
Date Received: Sep-29-2000

Prep Method: SW3550
Prep Date: Oct-06-2000
Prep Time: 13:42
Prep Chemist: Veena Telhan

Analytical Method: SW8270CTCL
Date Analyzed: Oct-27-2000
Time Analyzed 14:07
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	1810	ug/kg	U	5
Dibenzofuran	BQL	1810	ug/kg	U	5
Diethyl Phthalate	BQL	1810	ug/kg	U	5
Dimethyl Phthalate	BQL	1810	ug/kg	U	5
Fluoranthene	BQL	1810	ug/kg	U	5
Fluorene	BQL	1810	ug/kg	U	5
Hexachlorobenzene	BQL	1810	ug/kg	U	5
Hexachlorobutadiene	BQL	1810	ug/kg	U	5
Hexachlorocyclopentadiene	BQL	1810	ug/kg	U	5
Hexachloroethane	BQL	1810	ug/kg	U	5
Indeno(1,2,3-c,d)Pyrene	BQL	1810	ug/kg	U	5
Isophorone	BQL	1810	ug/kg	U	5
Naphthalene	BQL	1810	ug/kg	U	5
Nitrobenzene	BQL	1810	ug/kg	U	5
Pentachlorophenol	BQL	3620	ug/kg	U	5
Phenanthrene	BQL	1810	ug/kg	U	5
Phenol	BQL	1810	ug/kg	U	5
Pyrene	BQL	1810	ug/kg	U	5
bis(2-chloroethoxy) methane	BQL	1810	ug/kg	U	5
bis(2-chloroethyl) ether	BQL	1810	ug/kg	U	5
bis(2-ethylhexyl) phthalate	BQL	1810	ug/kg	U	5
di-n-Butyl Phthalate	BQL	1810	ug/kg	U	5
di-n-Octyl Phthalate	BQL	1810	ug/kg	U	5
n-Nitrosodi-n-Propylamine	BQL	1810	ug/kg	U	5
n-Nitrosodiphenylamine	BQL	1810	ug/kg	U	5

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB0466DL
GPL ID: 9180-009-04-1
Matrix: Soil
Date Collected: Sep-28-2000
Date Received: Sep-29-2000

Prep Method: SW3550
Prep Date: Oct-06-2000
Prep Time: 13:42
Prep Chemist: Veena Telhan

Analytical Method: SW8270CTCL
Date Analyzed: Oct-27-2000
Time Analyzed 14:56
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	7660	ug/kg	U	20
1,2-Dichlorobenzene	BQL	7660	ug/kg	U	20
1,3-Dichlorobenzene	BQL	7660	ug/kg	U	20
1,4-Dichlorobenzene	BQL	7660	ug/kg	U	20
2,2-Oxybis(1-Chloro)Propane	BQL	7660	ug/kg	U	20
2,4,5-Trichlorophenol	BQL	7660	ug/kg	U	20
2,4,6-Trichlorophenol	BQL	7660	ug/kg	U	20
2,4-Dichlorophenol	BQL	7660	ug/kg	U	20
2,4-Dimethylphenol	BQL	7660	ug/kg	U	20
2,4-Dinitrophenol	BQL	15300	ug/kg	U	20
2,4-Dinitrotoluene	221000	7660	ug/kg		20
2,6-Dinitrotoluene	26000	7660	ug/kg		20
2-Chloronaphthalene	BQL	7660	ug/kg	U	20
2-Chlorophenol	BQL	7660	ug/kg	U	20
2-Methylnaphthalene	BQL	7660	ug/kg	U	20
2-Nitroaniline	BQL	7660	ug/kg	U	20
2-Nitrophenol	BQL	7660	ug/kg	U	20
2-methylphenol	BQL	7660	ug/kg	U	20
3,3-Dichlorobenzidine	BQL	15300	ug/kg	U	20
3-Nitroaniline	BQL	7660	ug/kg	U	20
4,6-dinitro-2-methyl phenol	BQL	15300	ug/kg	U	20
4-Bromophenyl-phenylether	BQL	7660	ug/kg	U	20
4-Chloroaniline	BQL	7660	ug/kg	U	20
4-Chlorophenyl Phenyl Ether	BQL	7660	ug/kg	U	20
4-Nitroaniline	BQL	7660	ug/kg	U	20
4-Nitrophenol	BQL	15300	ug/kg	U	20
4-chloro-3-methylphenol	BQL	7660	ug/kg	U	20
4-methylphenol	BQL	7660	ug/kg	U	20
Acenaphthene	BQL	7660	ug/kg	U	20
Acenaphthylene	BQL	7660	ug/kg	U	20
Anthracene	BQL	7660	ug/kg	U	20
Benzo(a)anthracene	BQL	7660	ug/kg	U	20
Benzo(a)pyrene	BQL	7660	ug/kg	U	20
Benzo(b)fluoranthene	BQL	7660	ug/kg	U	20
Benzo(g,h,i)perylene	BQL	7660	ug/kg	U	20
Benzo(k)fluoranthene	BQL	7660	ug/kg	U	20
Benzyl Butyl Phthalate	BQL	7660	ug/kg	U	20
Carbazole	BQL	7660	ug/kg	U	20
Chrysene	BQL	7660	ug/kg	U	20

Summary of Analytical Results

Client ID AB0466DL
GPL ID: 9180-009-04-1
Matrix: Soil
Date Collected: Sep-28-2000
Date Received: Sep-29-2000

Prep Method: SW3550
Prep Date: Oct-06-2000
Prep Time: 13:42
Prep Chemist: Veena Telhan

Analytical Method: SW8270CTCL
Date Analyzed: Oct-27-2000
Time Analyzed 14:56
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	7660	ug/kg	U	20
Dibenzofuran	BQL	7660	ug/kg	U	20
Diethyl Phthalate	BQL	7660	ug/kg	U	20
Dimethyl Phthalate	BQL	7660	ug/kg	U	20
Fluoranthene	BQL	7660	ug/kg	U	20
Fluorene	BQL	7660	ug/kg	U	20
Hexachlorobenzene	BQL	7660	ug/kg	U	20
Hexachlorobutadiene	BQL	7660	ug/kg	U	20
Hexachlorocyclopentadiene	BQL	7660	ug/kg	U	20
Hexachloroethane	BQL	7660	ug/kg	U	20
Indeno(1,2,3-c,d)Pyrene	BQL	7660	ug/kg	U	20
Isophorone	BQL	7660	ug/kg	U	20
Naphthalene	BQL	7660	ug/kg	U	20
Nitrobenzene	BQL	7660	ug/kg	U	20
Pentachlorophenol	BQL	15300	ug/kg	U	20
Phenanthrene	BQL	7660	ug/kg	U	20
Phenol	BQL	7660	ug/kg	U	20
Pyrene	BQL	7660	ug/kg	U	20
bis(2-chloroethoxy) methane	BQL	7660	ug/kg	U	20
bis(2-chloroethyl) ether	BQL	7660	ug/kg	U	20
bis(2-ethylhexyl) phthalate	BQL	7660	ug/kg	U	20
di-n-Butyl Phthalate	BQL	7660	ug/kg	U	20
di-n-Octyl Phthalate	BQL	7660	ug/kg	U	20
n-Nitrosodi-n-Propylamine	BQL	7660	ug/kg	U	20
n-Nitrosodiphenylamine	BQL	7660	ug/kg	U	20

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB0466DL2
GPL ID: 9180-009-04-1
Matrix: Soil
Date Collected: Sep-28-2000
Date Received: Sep-29-2000

Prep Method: SW3550
Prep Date: Oct-06-2000
Prep Time: 13:42
Prep Chemist: Veena Telhan

Analytical Method: SW8270CTCL
Date Analyzed: Oct-27-2000
Time Analyzed 18:12
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	30700	ug/kg	U	80
1,2-Dichlorobenzene	BQL	30700	ug/kg	U	80
1,3-Dichlorobenzene	BQL	30700	ug/kg	U	80
1,4-Dichlorobenzene	BQL	30700	ug/kg	U	80
2,2-Oxybis(1-Chloro)Propane	BQL	30700	ug/kg	U	80
2,4,5-Trichlorophenol	BQL	30700	ug/kg	U	80
2,4,6-Trichlorophenol	BQL	30700	ug/kg	U	80
2,4-Dichlorophenol	BQL	30700	ug/kg	U	80
2,4-Dimethylphenol	BQL	30700	ug/kg	U	80
2,4-Dinitrophenol	BQL	61300	ug/kg	U	80
2,4-Dinitrotoluene	275000	30700	ug/kg		80
2,6-Dinitrotoluene	23800	30700	ug/kg	J	80
2-Chloronaphthalene	BQL	30700	ug/kg	U	80
2-Chlorophenol	BQL	30700	ug/kg	U	80
2-Methylnaphthalene	BQL	30700	ug/kg	U	80
2-Nitroaniline	BQL	30700	ug/kg	U	80
2-Nitrophenol	BQL	30700	ug/kg	U	80
2-methylphenol	BQL	30700	ug/kg	U	80
3,3-Dichlorobenzidine	BQL	61300	ug/kg	U	80
3-Nitroaniline	BQL	30700	ug/kg	U	80
4,6-dinitro-2-methyl phenol	BQL	61300	ug/kg	U	80
4-Bromophenyl-phenylether	BQL	30700	ug/kg	U	80
4-Chloroaniline	BQL	30700	ug/kg	U	80
4-Chlorophenyl Phenyl Ether	BQL	30700	ug/kg	U	80
4-Nitroaniline	BQL	30700	ug/kg	U	80
4-Nitrophenol	BQL	61300	ug/kg	U	80
4-chloro-3-methylphenol	BQL	30700	ug/kg	U	80
4-methylphenol	BQL	30700	ug/kg	U	80
Acenaphthene	BQL	30700	ug/kg	U	80
Acenaphthylene	BQL	30700	ug/kg	U	80
Anthracene	BQL	30700	ug/kg	U	80
Benzo(a)anthracene	BQL	30700	ug/kg	U	80
Benzo(a)pyrene	BQL	30700	ug/kg	U	80
Benzo(b)fluoranthene	BQL	30700	ug/kg	U	80
Benzo(g,h,i)perylene	BQL	30700	ug/kg	U	80
Benzo(k)fluoranthene	BQL	30700	ug/kg	U	80
Benzyl Butyl Phthalate	BQL	30700	ug/kg	U	80
Carbazole	BQL	30700	ug/kg	U	80
Chrysene	BQL	30700	ug/kg	U	80

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB0466DL2
GPL ID: 9180-009-04-1
Matrix: Soil
Date Collected: Sep-28-2000
Date Received: Sep-29-2000

Prep Method: SW3550
Prep Date: Oct-06-2000
Prep Time: 13:42
Prep Chemist: Veena Telhan

Analytical Method: SW8270CTCL
Date Analyzed: Oct-27-2000
Time Analyzed 18:12
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	30700	ug/kg	U	80
Dibenzofuran	BQL	30700	ug/kg	U	80
Diethyl Phthalate	BQL	30700	ug/kg	U	80
Dimethyl Phthalate	BQL	30700	ug/kg	U	80
Fluoranthene	BQL	30700	ug/kg	U	80
Fluorene	BQL	30700	ug/kg	U	80
Hexachlorobenzene	BQL	30700	ug/kg	U	80
Hexachlorobutadiene	BQL	30700	ug/kg	U	80
Hexachlorocyclopentadiene	BQL	30700	ug/kg	U	80
Hexachloroethane	BQL	30700	ug/kg	U	80
Indeno(1,2,3-c,d)Pyrene	BQL	30700	ug/kg	U	80
Isophorone	BQL	30700	ug/kg	U	80
Naphthalene	BQL	30700	ug/kg	U	80
Nitrobenzene	BQL	30700	ug/kg	U	80
Pentachlorophenol	BQL	61300	ug/kg	U	80
Phenanthrene	BQL	30700	ug/kg	U	80
Phenol	BQL	30700	ug/kg	U	80
Pyrene	BQL	30700	ug/kg	U	80
bis(2-chloroethoxy) methane	BQL	30700	ug/kg	U	80
bis(2-chloroethyl) ether	BQL	30700	ug/kg	U	80
bis(2-ethylhexyl) phthalate	BQL	30700	ug/kg	U	80
di-n-Butyl Phthalate	BQL	30700	ug/kg	U	80
di-n-Octyl Phthalate	BQL	30700	ug/kg	U	80
n-Nitrosodi-n-Propylamine	BQL	30700	ug/kg	U	80
n-Nitrosodiphenylamine	BQL	30700	ug/kg	U	80

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB0467DL
GPL ID: 9180-010-04-1
Matrix: Soil
Date Collected: Sep-28-2000
Date Received: Sep-29-2000

Prep Method: SW3550
Prep Date: Oct-06-2000
Prep Time: 13:42
Prep Chemist: Veena Telhan

Analytical Method: SW8270CTCL
Date Analyzed: Oct-27-2000
Time Analyzed 16:35
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	1970	ug/kg	U	5
1,2-Dichlorobenzene	BQL	1970	ug/kg	U	5
1,3-Dichlorobenzene	BQL	1970	ug/kg	U	5
1,4-Dichlorobenzene	BQL	1970	ug/kg	U	5
2,2-Oxybis(1-Chloro)Propane	BQL	1970	ug/kg	U	5
2,4,5-Trichlorophenol	BQL	1970	ug/kg	U	5
2,4,6-Trichlorophenol	BQL	1970	ug/kg	U	5
2,4-Dichlorophenol	BQL	1970	ug/kg	U	5
2,4-Dimethylphenol	BQL	1970	ug/kg	U	5
2,4-Dinitrophenol	BQL	3930	ug/kg	U	5
2,4-Dinitrotoluene	24100	1970	ug/kg		5
2,6-Dinitrotoluene	1680	1970	ug/kg	J	5
2-Chloronaphthalene	BQL	1970	ug/kg	U	5
2-Chlorophenol	BQL	1970	ug/kg	U	5
2-Methylnaphthalene	BQL	1970	ug/kg	U	5
2-Nitroaniline	BQL	1970	ug/kg	U	5
2-Nitrophenol	BQL	1970	ug/kg	U	5
2-methylphenol	BQL	1970	ug/kg	U	5
3,3-Dichlorobenzidine	BQL	3930	ug/kg	U	5
3-Nitroaniline	BQL	1970	ug/kg	U	5
4,6-dinitro-2-methyl phenol	BQL	3930	ug/kg	U	5
4-Bromophenyl-phenylether	BQL	1970	ug/kg	U	5
4-Chloroaniline	BQL	1970	ug/kg	U	5
4-Chlorophenyl Phenyl Ether	BQL	1970	ug/kg	U	5
4-Nitroaniline	BQL	1970	ug/kg	U	5
4-Nitrophenol	BQL	3930	ug/kg	U	5
4-chloro-3-methylphenol	BQL	1970	ug/kg	U	5
4-methylphenol	BQL	1970	ug/kg	U	5
Acenaphthene	BQL	1970	ug/kg	U	5
Acenaphthylene	BQL	1970	ug/kg	U	5
Anthracene	BQL	1970	ug/kg	U	5
Benzo(a)anthracene	BQL	1970	ug/kg	U	5
Benzo(a)pyrene	BQL	1970	ug/kg	U	5
Benzo(b)fluoranthene	BQL	1970	ug/kg	U	5
Benzo(g,h,i)perylene	BQL	1970	ug/kg	U	5
Benzo(k)fluoranthene	BQL	1970	ug/kg	U	5
Benzyl Butyl Phthalate	BQL	1970	ug/kg	U	5
Carbazole	BQL	1970	ug/kg	U	5
Chrysene	BQL	1970	ug/kg	U	5

Summary of Analytical Results

Client ID AB0467DL
GPL ID: 9180-010-04-1
Matrix: Soil
Date Collected: Sep-28-2000
Date Received: Sep-29-2000

Prep Method: SW3550
Prep Date: Oct-06-2000
Prep Time: 13:42
Prep Chemist: Veena Telhan

Analytical Method: SW8270CTCL
Date Analyzed: Oct-27-2000
Time Analyzed 16:35
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	1970	ug/kg	U	5
Dibenzofuran	BQL	1970	ug/kg	U	5
Diethyl Phthalate	BQL	1970	ug/kg	U	5
Dimethyl Phthalate	BQL	1970	ug/kg	U	5
Fluoranthene	BQL	1970	ug/kg	U	5
Fluorene	BQL	1970	ug/kg	U	5
Hexachlorobenzene	BQL	1970	ug/kg	U	5
Hexachlorobutadiene	BQL	1970	ug/kg	U	5
Hexachlorocyclopentadiene	BQL	1970	ug/kg	U	5
Hexachloroethane	BQL	1970	ug/kg	U	5
Indeno(1,2,3-c,d)Pyrene	BQL	1970	ug/kg	U	5
Isophorone	BQL	1970	ug/kg	U	5
Naphthalene	BQL	1970	ug/kg	U	5
Nitrobenzene	BQL	1970	ug/kg	U	5
Pentachlorophenol	BQL	3930	ug/kg	U	5
Phenanthrene	BQL	1970	ug/kg	U	5
Phenol	BQL	1970	ug/kg	U	5
Pyrene	BQL	1970	ug/kg	U	5
bis(2-chloroethoxy) methane	BQL	1970	ug/kg	U	5
bis(2-chloroethyl) ether	BQL	1970	ug/kg	U	5
bis(2-ethylhexyl) phthalate	BQL	1970	ug/kg	U	5
di-n-Butyl Phthalate	BQL	1970	ug/kg	U	5
di-n-Octyl Phthalate	BQL	1970	ug/kg	U	5
n-Nitrosodi-n-Propylamine	BQL	1970	ug/kg	U	5
n-Nitrosodiphenylamine	BQL	1970	ug/kg	U	5

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB0468
GPL ID: 9180-011-04-1
Matrix: Soil
Date Collected: Sep-28-2000
Date Received: Sep-29-2000

Prep Method: SW3550
Prep Date: Oct-06-2000
Prep Time: 13:42
Prep Chemist: Veena Telhan

Analytical Method: SW8270CTCL
Date Analyzed: Oct-30-2000
Time Analyzed 14:23
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	374	ug/kg	U	1
1,2-Dichlorobenzene	BQL	374	ug/kg	U	1
1,3-Dichlorobenzene	BQL	374	ug/kg	U	1
1,4-Dichlorobenzene	BQL	374	ug/kg	U	1
2,2-Oxybis(1-Chloro)Propane	BQL	374	ug/kg	U	1
2,4,5-Trichlorophenol	BQL	374	ug/kg	U	1
2,4,6-Trichlorophenol	BQL	374	ug/kg	U	1
2,4-Dichlorophenol	BQL	374	ug/kg	U	1
2,4-Dimethylphenol	BQL	374	ug/kg	U	1
2,4-Dinitrophenol	BQL	747	ug/kg	U	1
2,4-Dinitrotoluene	BQL	374	ug/kg	U	1
2,6-Dinitrotoluene	BQL	374	ug/kg	U	1
2-Chloronaphthalene	BQL	374	ug/kg	U	1
2-Chlorophenol	BQL	374	ug/kg	U	1
2-Methylnaphthalene	38.1	374	ug/kg	J	1
2-Nitroaniline	BQL	374	ug/kg	U	1
2-Nitrophenol	BQL	374	ug/kg	U	1
2-methylphenol	BQL	374	ug/kg	U	1
3,3-Dichlorobenzidine	BQL	747	ug/kg	U	1
3-Nitroaniline	BQL	374	ug/kg	U	1
4,6-dinitro-2-methyl phenol	BQL	747	ug/kg	U	1
4-Bromophenyl-phenylether	BQL	374	ug/kg	U	1
4-Chloroaniline	BQL	374	ug/kg	U	1
4-Chlorophenyl Phenyl Ether	BQL	374	ug/kg	U	1
4-Nitroaniline	BQL	374	ug/kg	U	1
4-Nitrophenol	BQL	747	ug/kg	U	1
4-chloro-3-methylphenol	BQL	374	ug/kg	U	1
4-methylphenol	BQL	374	ug/kg	U	1
Acenaphthene	BQL	374	ug/kg	U	1
Acenaphthylene	BQL	374	ug/kg	U	1
Anthracene	113	374	ug/kg	J	1
Benzo(a)anthracene	289	374	ug/kg	J	1
Benzo(a)pyrene	356	374	ug/kg	J	1
Benzo(b)fluoranthene	492	374	ug/kg		1
Benzo(g,h,i)perylene	352	374	ug/kg	J	1
Benzo(k)fluoranthene	155	374	ug/kg	J	1
Benzyl Butyl Phthalate	BQL	374	ug/kg	U	1
Carbazole	109	374	ug/kg	J	1
Chrysene	357	374	ug/kg	J	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB0468
GPL ID: 9180-011-04-1
Matrix: Soil
Date Collected: Sep-28-2000
Date Received: Sep-29-2000

Prep Method: SW3550
Prep Date: Oct-06-2000
Prep Time: 13:42
Prep Chemist: Veena Telhan

Analytical Method: SW8270CTCL
Date Analyzed: Oct-30-2000
Time Analyzed 14:23
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	123	374	ug/kg	J	1
Dibenzofuran	BQL	374	ug/kg	U	1
Diethyl Phthalate	BQL	374	ug/kg	U	1
Dimethyl Phthalate	BQL	374	ug/kg	U	1
Fluoranthene	666	374	ug/kg		1
Fluorene	BQL	374	ug/kg	U	1
Hexachlorobenzene	BQL	374	ug/kg	U	1
Hexachlorobutadiene	BQL	374	ug/kg	U	1
Hexachlorocyclopentadiene	BQL	374	ug/kg	U	1
Hexachloroethane	BQL	374	ug/kg	U	1
Indeno(1,2,3-c,d)Pyrene	270	374	ug/kg	J	1
Isophorone	BQL	374	ug/kg	U	1
Naphthalene	BQL	374	ug/kg	U	1
Nitrobenzene	BQL	374	ug/kg	U	1
Pentachlorophenol	BQL	747	ug/kg	U	1
Phenanthrene	568	374	ug/kg		1
Phenol	BQL	374	ug/kg	U	1
Pyrene	605	374	ug/kg		1
bis(2-chloroethoxy) methane	BQL	374	ug/kg	U	1
bis(2-chloroethyl) ether	BQL	374	ug/kg	U	1
bis(2-ethylhexyl) phthalate	202	374	ug/kg	J	1
di-n-Butyl Phthalate	BQL	374	ug/kg	U	1
di-n-Octyl Phthalate	BQL	374	ug/kg	U	1
n-Nitrosodi-n-Propylamine	BQL	374	ug/kg	U	1
n-Nitrosodiphenylamine	BQL	374	ug/kg	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB0471
GPL ID: 9180-012-04-1
Matrix: Soil
Date Collected: Sep-28-2000
Date Received: Sep-29-2000

Prep Method: SW3550
Prep Date: Oct-06-2000
Prep Time: 13:42
Prep Chemist: Veena Telhan

Analytical Method: SW8270CTCL
Date Analyzed: Oct-27-2000
Time Analyzed 01:29
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	380	ug/kg	U	1
1,2-Dichlorobenzene	BQL	380	ug/kg	U	1
1,3-Dichlorobenzene	BQL	380	ug/kg	U	1
1,4-Dichlorobenzene	BQL	380	ug/kg	U	1
2,2-Oxybis(1-Chloro)Propane	BQL	380	ug/kg	U	1
2,4,5-Trichlorophenol	BQL	380	ug/kg	U	1
2,4,6-Trichlorophenol	BQL	380	ug/kg	U	1
2,4-Dichlorophenol	BQL	380	ug/kg	U	1
2,4-Dimethylphenol	BQL	380	ug/kg	U	1
2,4-Dinitrophenol	BQL	760	ug/kg	U	1
2,4-Dinitrotoluene	740	380	ug/kg		1
2,6-Dinitrotoluene	117	380	ug/kg	J	1
2-Chloronaphthalene	BQL	380	ug/kg	U	1
2-Chlorophenol	BQL	380	ug/kg	U	1
2-Methylnaphthalene	BQL	380	ug/kg	U	1
2-Nitroaniline	BQL	380	ug/kg	U	1
2-Nitrophenol	BQL	380	ug/kg	U	1
2-methylphenol	BQL	380	ug/kg	U	1
3,3-Dichlorobenzidine	BQL	760	ug/kg	U	1
3-Nitroaniline	BQL	380	ug/kg	U	1
4,6-dinitro-2-methyl phenol	BQL	760	ug/kg	U	1
4-Bromophenyl-phenylether	BQL	380	ug/kg	U	1
4-Chloroaniline	BQL	380	ug/kg	U	1
4-Chlorophenyl Phenyl Ether	BQL	380	ug/kg	U	1
4-Nitroaniline	BQL	380	ug/kg	U	1
4-Nitrophenol	BQL	760	ug/kg	U	1
4-chloro-3-methylphenol	BQL	380	ug/kg	U	1
4-methylphenol	BQL	380	ug/kg	U	1
Acenaphthene	BQL	380	ug/kg	U	1
Acenaphthylene	BQL	380	ug/kg	U	1
Anthracene	BQL	380	ug/kg	U	1
Benzo(a)anthracene	38.4	380	ug/kg	J	1
Benzo(a)pyrene	36.1	380	ug/kg	J	1
Benzo(b)fluoranthene	BQL	380	ug/kg	U	1
Benzo(g,h,i)perylene	BQL	380	ug/kg	U	1
Benzo(k)fluoranthene	BQL	380	ug/kg	U	1
Benzyl Butyl Phthalate	BQL	380	ug/kg	U	1
Carbazole	BQL	380	ug/kg	U	1
Chrysene	BQL	380	ug/kg	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB0471
GPL ID: 9180-012-04-1
Matrix: Soil
Date Collected: Sep-28-2000
Date Received: Sep-29-2000

Prep Method: SW3550
Prep Date: Oct-06-2000
Prep Time: 13:42
Prep Chemist: Veena Telhan

Analytical Method: SW8270CTCL
Date Analyzed: Oct-27-2000
Time Analyzed 01:29
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	380	ug/kg	U	1
Dibenzofuran	BQL	380	ug/kg	U	1
Diethyl Phthalate	BQL	380	ug/kg	U	1
Dimethyl Phthalate	BQL	380	ug/kg	U	1
Fluoranthene	BQL	380	ug/kg	U	1
Fluorene	BQL	380	ug/kg	U	1
Hexachlorobenzene	BQL	380	ug/kg	U	1
Hexachlorobutadiene	BQL	380	ug/kg	U	1
Hexachlorocyclopentadiene	BQL	380	ug/kg	U	1
Hexachloroethane	BQL	380	ug/kg	U	1
Indeno(1,2,3-c,d)Pyrene	BQL	380	ug/kg	U	1
Isophorone	BQL	380	ug/kg	U	1
Naphthalene	BQL	380	ug/kg	U	1
Nitrobenzene	BQL	380	ug/kg	U	1
Pentachlorophenol	BQL	760	ug/kg	U	1
Phenanthrene	BQL	380	ug/kg	U	1
Phenol	BQL	380	ug/kg	U	1
Pyrene	BQL	380	ug/kg	U	1
bis(2-chloroethoxy) methane	BQL	380	ug/kg	U	1
bis(2-chloroethyl) ether	BQL	380	ug/kg	U	1
bis(2-ethylhexyl) phthalate	BQL	380	ug/kg	U	1
di-n-Butyl Phthalate	BQL	380	ug/kg	U	1
di-n-Octyl Phthalate	BQL	380	ug/kg	U	1
n-Nitrosodi-n-Propylamine	BQL	380	ug/kg	U	1
n-Nitrosodiphenylamine	BQL	380	ug/kg	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB0472
GPL ID: 9180-013-04-1
Matrix: Soil
Date Collected: Sep-28-2000
Date Received: Sep-29-2000

Prep Method: SW3550
Prep Date: Oct-06-2000
Prep Time: 13:42
Prep Chemist: Veena Telhan

Analytical Method: SW8270CTCL
Date Analyzed: Oct-26-2000
Time Analyzed 21:26
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	420	ug/kg	U	1
1,2-Dichlorobenzene	BQL	420	ug/kg	U	1
1,3-Dichlorobenzene	BQL	420	ug/kg	U	1
1,4-Dichlorobenzene	BQL	420	ug/kg	U	1
2,2-Oxybis(1-Chloro)Propane	BQL	420	ug/kg	U	1
2,4,5-Trichlorophenol	BQL	420	ug/kg	U	1
2,4,6-Trichlorophenol	BQL	420	ug/kg	U	1
2,4-Dichlorophenol	BQL	420	ug/kg	U	1
2,4-Dimethylphenol	BQL	420	ug/kg	U	1
2,4-Dinitrophenol	BQL	839	ug/kg	U	1
2,4-Dinitrotoluene	BQL	420	ug/kg	U	1
2,6-Dinitrotoluene	BQL	420	ug/kg	U	1
2-Chloronaphthalene	BQL	420	ug/kg	U	1
2-Chlorophenol	BQL	420	ug/kg	U	1
2-Methylnaphthalene	BQL	420	ug/kg	U	1
2-Nitroaniline	BQL	420	ug/kg	U	1
2-Nitrophenol	BQL	420	ug/kg	U	1
2-methylphenol	BQL	420	ug/kg	U	1
3,3-Dichlorobenzidine	BQL	839	ug/kg	U	1
3-Nitroaniline	BQL	420	ug/kg	U	1
4,6-dinitro-2-methyl phenol	BQL	839	ug/kg	U	1
4-Bromophenyl-phenylether	BQL	420	ug/kg	U	1
4-Chloroaniline	BQL	420	ug/kg	U	1
4-Chlorophenyl Phenyl Ether	BQL	420	ug/kg	U	1
4-Nitroaniline	BQL	420	ug/kg	U	1
4-Nitrophenol	BQL	839	ug/kg	U	1
4-chloro-3-methylphenol	BQL	420	ug/kg	U	1
4-methylphenol	BQL	420	ug/kg	U	1
Acenaphthene	BQL	420	ug/kg	U	1
Acenaphthylene	BQL	420	ug/kg	U	1
Anthracene	BQL	420	ug/kg	U	1
Benzo(a)anthracene	BQL	420	ug/kg	U	1
Benzo(a)pyrene	BQL	420	ug/kg	U	1
Benzo(b)fluoranthene	BQL	420	ug/kg	U	1
Benzo(g,h,i)perylene	BQL	420	ug/kg	U	1
Benzo(k)fluoranthene	BQL	420	ug/kg	U	1
Benzyl Butyl Phthalate	BQL	420	ug/kg	U	1
Carbazole	BQL	420	ug/kg	U	1
Chrysene	BQL	420	ug/kg	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB0472
GPL ID: 9180-013-04-1
Matrix: Soil
Date Collected: Sep-28-2000
Date Received: Sep-29-2000

Prep Method: SW3550
Prep Date: Oct-06-2000
Prep Time: 13:42
Prep Chemist: Veena Telhan

Analytical Method: SW8270CTCL
Date Analyzed: Oct-26-2000
Time Analyzed 21:26
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	420	ug/kg	U	1
Dibenzofuran	BQL	420	ug/kg	U	1
Diethyl Phthalate	BQL	420	ug/kg	U	1
Dimethyl Phthalate	BQL	420	ug/kg	U	1
Fluoranthene	BQL	420	ug/kg	U	1
Fluorene	BQL	420	ug/kg	U	1
Hexachlorobenzene	BQL	420	ug/kg	U	1
Hexachlorobutadiene	BQL	420	ug/kg	U	1
Hexachlorocyclopentadiene	BQL	420	ug/kg	U	1
Hexachloroethane	BQL	420	ug/kg	U	1
Indeno(1,2,3-c,d)Pyrene	BQL	420	ug/kg	U	1
Isophorone	BQL	420	ug/kg	U	1
Naphthalene	BQL	420	ug/kg	U	1
Nitrobenzene	BQL	420	ug/kg	U	1
Pentachlorophenol	BQL	839	ug/kg	U	1
Phenanthrene	BQL	420	ug/kg	U	1
Phenol	BQL	420	ug/kg	U	1
Pyrene	BQL	420	ug/kg	U	1
bis(2-chloroethoxy) methane	BQL	420	ug/kg	U	1
bis(2-chloroethyl) ether	BQL	420	ug/kg	U	1
bis(2-ethylhexyl) phthalate	BQL	420	ug/kg	U	1
di-n-Butyl Phthalate	BQL	420	ug/kg	U	1
di-n-Octyl Phthalate	BQL	420	ug/kg	U	1
n-Nitrosodi-n-Propylamine	BQL	420	ug/kg	U	1
n-Nitrosodiphenylamine	BQL	420	ug/kg	U	1

2C
WATER SEMIVOLATILE SURROGATE RECOVERY

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBROOK

Lab Code: GPL Case No.: N/A SAS No.: N/A SDG No.: N/A

	Client SAMPLE NO.	S1 (2FP) #	S2 (PHL) #	S3 (NBZ) #	S4 (FBP) #	S5 (TBP) #	S6 (TPH) #	TOT OUT
01	BLK7182	58	88	64	86	132	124	0
02	BKS7182	70	102	80	73	105	104	0
03	AB3007	70	98	69	100	170*	55	1
04	AB3006	58	83	57	94	152*	116	1
05	AB3004DL	45 9	58 12	53 11	68 14	70 14	80 16	8

MN 10-30-00

				QC LIMITS
S1	(2FP)	=	2-Fluorophenol	(20-150)
S2	(PHL)	=	Phenol-d5	(30-150)
S3	(NBZ)	=	Nitrobenzene-d5	(20-137)
S4	(FBP)	=	2-Fluorobiphenyl	(23-110)
S5	(TBP)	=	2,4,6-Tribromophenol	(20-150)
S6	(TPH)	=	Terphenyl-d14	(20-138)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogate diluted out

2003

2D
SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBROOK

Lab Code: GPL Case No.: N/A SAS No.: N/A SDG No.: N/A

Level: (low/med) LOW

	Client SAMPLE NO.	S1 (2FP) #	S2 (PHL) #	S3 (NBZ) #	S4 (FBP) #	S5 (TBP) #	S6 (TPH) #	TOT OUT
01	AA0468MS	58	60	60	56	76	73	0
02	AA0468MSD	58	62	62	48	82	64	0
03	AA0470	60	62	65	62	76	79	0
04	AA0471	61	64	60	51	74	72	0
05	AB0472	59	63	54	52	67	65	0
06	AB0471	66	79	67	67	76	80	0
07	AB0460	72	83	68	60	75	74	0
08	AA0468	53	56	48	32 *	59	60	1
09	BLK7218	73	77	79	80	66	93	0
10	BKS7218	73	76	88	86	81	98	0
11	AA0469	55	60	47	38 *	62	69	1
12	AB0461DL	68 3*	67 3*	50 3*	61 3*	49 2*	81 4*	0 6*
13	AB0462DL	65 13*	70 14*	64 13*	78 16*	62 12*	98 20*	0 6*
14	AB0466DL	71 4*	79 4*	52 3*	81 4*	53 3*	112 6*	0 6*
15	AB0467DL	78 16*	84 17*	68 14*	69 14*	64 13*	94 19*	0 6
16	AB0461DL2	63 2*	59 1*	56 1*	57 1*	37 1*	77 2*	0 6*
17	AB0466DL2	55 1*	45 1*	37 1	65 1*	25 1	92 1*	0 6*
18	AB0468	50 *	57	65	65	47	75	1

MNL
1030.00

				QC LIMITS
S1	(2FP)	=	2-Fluorophenol	(52-150)
S2	(PHL)	=	Phenol-d5	(20-150)
S3	(NBZ)	=	Nitrobenzene-d5	(26-150)
S4	(FBP)	=	2-Fluorobiphenyl	(41-128)
S5	(TBP)	=	2,4,6-Tribromophenol	(20-150)
S6	(TPH)	=	Terphenyl-d14	(52-110)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogate diluted out

2004

3C

WATER SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: GPL_LABORATORIES Contract: DAMES_MOORE

Lab Code: GPL Case No.: N/A SAS No.: N/A SDG No.: N/A

Matrix Spike - EPA Sample No.: MSPMWB18W27S0

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
Phenol	110	0.0	90	82	20 - 150
2-Chlorophenol	110	0.0	83	75	23 - 134
1,4-Dichlorobenzene	110	0.0	50	45	20 - 125
N-Nitroso-di-n-propylamine	110	0.0	81	74	20 - 150
1,2,4-Trichlorobenzene	110	0.0	62	56	23 - 114
4-Chloro-3-methylphenol	110	0.0	88	80	26 - 147
Acenaphthene	110	0.0	82	75	20 - 116
2,4-Dinitrotoluene	110	0.0	82	75	24 - 149
4-Nitrophenol	110	0.0	85	77	20 - 150
Pentachlorophenol	110	0.0	93	85	20 - 150
Pyrene	110	0.0	92	84	20 - 135

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Phenol	110	81	74	10	42	20 - 150
2-Chlorophenol	110	74	67	11	40	23 - 134
1,4-Dichlorobenzene	110	53	48	6	28	20 - 125
N-Nitroso-di-n-propylamine	110	84	76	3	38	20 - 150
1,2,4-Trichlorobenzene	110	67	61	9	28	23 - 114
4-Chloro-3-methylphenol	110	94	85	6	42	26 - 147
Acenaphthene	110	86	78	4	31	20 - 116
2,4-Dinitrotoluene	110	84	76	1	38	24 - 149
4-Nitrophenol	110	91	83	8	50	20 - 150
Pentachlorophenol	110	94	85	0	50	20 - 150
Pyrene	110	94	85	1	31	20 - 135

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 11 outside limits

Spike Recovery: 0 out of 22 outside limits

COMMENTS:

2005

3D

SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBROOK

Lab Code: GPL Case No.: N/A SAS No.: N/A SDG No.: N/A

Matrix Spike - EPA Sample No.: AA0468 Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC LIMITS REC.
Phenol	4300	0.0	3200	74 *	75 - 150
2-Chlorophenol	4300	0.0	3100	72	31 - 129
1,4-Dichlorobenzene	4300	0.0	1400	33	25 - 122
N-Nitroso-di-n-propylamine	4300	0.0	3100	72	20 - 150
1,2,4-Trichlorobenzene	4300	0.0	1900	44 *	51 - 120
4-Chloro-3-methylphenol	4300	0.0	3300	77	34 - 125
Acenaphthene	4300	0.0	2700	63	46 - 135
2,4-Dinitrotoluene	4300	560	3600	72	38 - 137
4-Nitrophenol	4300	0.0	3800	88	20 - 150
Pentachlorophenol	4300	0.0	3300	77	32 - 137
Pyrene	4300	0.0	3100	72	24 - 144

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Phenol	4300	3500	81	9	35	75 - 150
2-Chlorophenol	4300	3400	79	9	50	31 - 129
1,4-Dichlorobenzene	4300	1100	26	24	27	25 - 122
N-Nitroso-di-n-propylamine	4300	3400	79	9	38	20 - 150
1,2,4-Trichlorobenzene	4300	1700	40 *	10	23	51 - 120
4-Chloro-3-methylphenol	4300	3700	86	11	33	34 - 125
Acenaphthene	4300	2500	58	8	19	46 - 135
2,4-Dinitrotoluene	4300	4100	81	15	47	38 - 137
4-Nitrophenol	4300	4700	109	21	50	20 - 150
Pentachlorophenol	4300	3700	86	11	47	32 - 137
Pyrene	4300	2900	67	7	36	24 - 144

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 11 outside limits

Spike Recovery: 3 out of 22 outside limits

2006

COMMENTS:

3F
WATER LABORATORY CONTROL SPIKE RECOVERY

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBROOK

Lab Code: GPL Case No.: N/A SDG No.: N/A

EPA Sample No.: BKS7182 CLIENT ID: BKS7182

DATE EXTRACTED: 10/4/00 WORK ORDER NO: 00-09-180

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC		INTERNAL QC LIMITS
Phenol	100	110	110	*	30-100
2-Chlorophenol	100	80	80		67-105
1,4-Dichlorobenzene	100	62	62		43-101
N-Nitroso-Di-n-Propylamine	100	97	97		43-150
1,2,4-Trichlorobenzene	100	64	64		51-100
4-Chloro-3-methylphenol	100	100	100		61-125
Acenaphthene	100	86	86		35-125
2,4-Dinitrotoluene	100	72	72		66-123
[illegible]trophenol	100	93	93		20-150
[illegible]achlorophenol	100	99	99		43-150
Pyrene	100	100	100		56-116

COMMENTS:

3F
SOIL LABORATORY CONTROL SPIKE RECOVERY

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBROOK

Lab Code: GPL SDG No.: N/A

EPA Sample No.: BKS7218 CLIENT ID: BKS7218

DATE EXTRACTED: 10/6/00 WORK ORDER NO: 00-09-180

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	INTERNAL QC LIMITS
Phenol	3300	3100	94	47-111
2-Chlorophenol	3300	3200	97	52-124
1,4-Dichlorobenzene	3300	2700	82	52-112
N-Nitroso-Di-n-Propylamine	3300	3300	100	70-150
1,2,4-Trichlorobenzene	3300	2700	82	63-112
4-Chloro-3-methylphenol	3300	3200	97	63-125
Acenaphthene	3300	2700	82	45-104
2,4-Dinitrotoluene	3300	2900	88	56-133
4-Nitrophenol	3300	2800	85	44-150
Pentachlorophenol	3300	3100	94	27-142
Pyrene	3300	3100	94	56-106

*Values outside internal limits

COMMENTS:

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

BLK7182

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBRO

Lab Code: GPL Case No.: N/A SAS No.: N/A SDG No.: N/A

Lab File ID: P09373.D Lab Sample ID: BLK7182

Instrument ID: HP#P Date Extracted: 10/04/00

Matrix: (soil/water) WATER Date Analyzed: 10/21/00

Level: (low/med) LOW Time Analyzed: 03:09

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	Client SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	BKS7182	BKS7182	P09374.D	10/21/00
02	AB3007	9180-016-07-1/2	P09383.D	10/21/00
03	AB3006	9180-015-07-1/2	P09384.D	10/21/00
04	AB3004DL	9180-014-07-1/2DL	P09388.D	10/21/00

COMMENTS:

2009

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

BLK7218

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBRO

Lab Code: GPL Case No.: N/A SAS No.: N/A SDG No.: N/A

Lab File ID: P09483.D Lab Sample ID: BLK7218

Instrument ID: HP#P Date Extracted: 10/06/00

Matrix: (soil/water) SOIL Date Analyzed: 10/27/00

Level: (low/med) LOW Time Analyzed: 10:53

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	Client SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	AA0468MS	9180-002-04-1 MS	P09466.D	10/26/00
02	AA0468MSD	9180-002-04-1 MSD	P09467.D	10/26/00
03	AA0470	9180-004-04-1	P09468.D	10/26/00
04	AA0471	9180-005-04-1	P09469.D	10/26/00
05	AB0472	9180-013-04-1	P09470.D	10/26/00
06	AB0471	9180-012-04-1	P09475.D	10/27/00
07	AB0460	9180-006-04-1	P09476.D	10/27/00
08	AA0468	9180-002-04-1	P09482.D	10/27/00
09	BKS7218	BKS7218	P09484.D	10/27/00
10	AA0469	9180-003-04-1	P09485.D	10/27/00
11	AB0461DL	9180-007-04-1DL	P09486.D	10/27/00
12	AB0462DL	9180-008-04-1DL	P09487.D	10/27/00
13	AB0466DL	9180-009-04-1DL	P09488.D	10/27/00
14	AB0467DL	9180-010-04-1DL	P09489.D	10/27/00
15	AB0461DL2	9180-007-04-1DL2	P09490.D	10/27/00
16	AB0466DL2	9180-009-04-1DL2	P09491.D	10/27/00
17	AB0468	9180-011-04-1	P09531.D	10/30/00

COMMENTS:

2010

Summary of Analytical Results

Client ID AA0468
GPL ID: 9180-002-04-1
Matrix: Soil
Date Collected: Sep-28-2000
Date Received: Sep-29-2000

Prep Method: EXT_SW8330
Prep Date: Oct-03-2000
Prep Time: 14:18
Prep Chemist: Shila Soleimani

Analytical Method: SW8330
Date Analyzed: Oct-15-2000
Time Analyzed 01:54
Analyst: Shukla Sarker

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	BQL	100	ug/kg	U	1
1,3-Dinitrobenzene	BQL	100	ug/kg	U	1
2,4,6-Trinitrotoluene	213	100	ug/kg		1
2,4-Dinitrotoluene	3140	100	ug/kg		1
2,6-Dinitrotoluene	BQL	100	ug/kg	U	1
2-Amino-4,6-Dinitrotoluene	BQL	100	ug/kg	U	1
4-Amino-2,6-Dinitrotoluene	373	100	ug/kg		1
HMX	BQL	200	ug/kg	U	1
Nitrobenzene	77.8	100	ug/kg	J	1
RDX	BQL	200	ug/kg	U	1
Tetryl	BQL	200	ug/kg	U	1
m-Nitrotoluene	476	200	ug/kg		1
o-Nitrotoluene	1410	200	ug/kg		1
p-Nitrotoluene	376	200	ug/kg		1

Summary of Analytical Results

Client ID AA0469
GPL ID: 9180-003-04-1
Matrix: Soil
Date Collected: Sep-28-2000
Date Received: Sep-29-2000

Prep Method: EXT_SW8330
Prep Date: Oct-03-2000
Prep Time: 14:18
Prep Chemist: Shila Soleimani

Analytical Method: SW8330
Date Analyzed: Oct-15-2000
Time Analyzed 03:20
Analyst: Shukla Sarker

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	BQL	95.2	ug/kg	U	1
1,3-Dinitrobenzene	BQL	95.2	ug/kg	U	1
2,4,6-Trinitrotoluene	BQL	95.2	ug/kg	U	1
2,4-Dinitrotoluene	170	95.2	ug/kg		1
2,6-Dinitrotoluene	BQL	95.2	ug/kg	U	1
2-Amino-4,6-Dinitrotoluene	BQL	95.2	ug/kg	U	1
4-Amino-2,6-Dinitrotoluene	BQL	95.2	ug/kg	U	1
HMX	BQL	190	ug/kg	U	1
Nitrobenzene	BQL	95.2	ug/kg	U	1
RDX	BQL	190	ug/kg	U	1
Tetryl	BQL	190	ug/kg	U	1
m-Nitrotoluene	BQL	190	ug/kg	U	1
o-Nitrotoluene	380	190	ug/kg		1
p-Nitrotoluene	423	190	ug/kg		1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AA0470
GPL ID: 9180-004-04-1
Matrix: Soil
Date Collected: Sep-28-2000
Date Received: Sep-29-2000

Prep Method: EXT_SW8330
Prep Date: Oct-03-2000
Prep Time: 14:18
Prep Chemist: Shila Soleimani

Analytical Method: SW8330
Date Analyzed: Oct-15-2000
Time Analyzed 03:48
Analyst: Shukla Sarker

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	BQL	100	ug/kg	U	1
1,3-Dinitrobenzene	BQL	100	ug/kg	U	1
2,4,6-Trinitrotoluene	7890	100	ug/kg		1
2,4-Dinitrotoluene	549	100	ug/kg		1
2,6-Dinitrotoluene	BQL	100	ug/kg	U	1
2-Amino-4,6-Dinitrotoluene	1180	100	ug/kg		1
4-Amino-2,6-Dinitrotoluene	3960	100	ug/kg		1
HMX	BQL	200	ug/kg	U	1
Nitrobenzene	BQL	100	ug/kg	U	1
RDX	BQL	200	ug/kg	U	1
Tetryl	BQL	200	ug/kg	U	1
m-Nitrotoluene	823	200	ug/kg		1
o-Nitrotoluene	276	200	ug/kg		1
p-Nitrotoluene	555	200	ug/kg		1

Summary of Analytical Results

Client ID AA0471
GPL ID: 9180-005-04-1
Matrix: Soil
Date Collected: Sep-28-2000
Date Received: Sep-29-2000

Prep Method: EXT_SW8330
Prep Date: Oct-03-2000
Prep Time: 14:18
Prep Chemist: Shila Soleimani

Analytical Method: SW8330
Date Analyzed: Oct-15-2000
Time Analyzed 04:17
Analyst: Shukla Sarker

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	562	100	ug/kg		1
1,3-Dinitrobenzene	BQL	100	ug/kg	U	1
2,4,6-Trinitrotoluene	8570	100	ug/kg		1
2,4-Dinitrotoluene	645	100	ug/kg		1
2,6-Dinitrotoluene	BQL	100	ug/kg	U	1
2-Amino-4,6-Dinitrotoluene	2430	100	ug/kg		1
4-Amino-2,6-Dinitrotoluene	1620	100	ug/kg		1
HMX	BQL	200	ug/kg	U	1
Nitrobenzene	BQL	100	ug/kg	U	1
RDX	BQL	200	ug/kg	U	1
Tetryl	BQL	200	ug/kg	U	1
m-Nitrotoluene	335	200	ug/kg		1
o-Nitrotoluene	235	200	ug/kg		1
p-Nitrotoluene	278	200	ug/kg		1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB0460
GPL ID: 9180-006-04-1
Matrix: Soil
Date Collected: Sep-28-2000
Date Received: Sep-29-2000

Prep Method: EXT_SW8330
Prep Date: Oct-03-2000
Prep Time: 14:18
Prep Chemist: Shila Soleimani

Analytical Method: SW8330
Date Analyzed: Oct-15-2000
Time Analyzed 04:45
Analyst: Shukla Sarker

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	BQL	100	ug/kg	U	1
1,3-Dinitrobenzene	BQL	100	ug/kg	U	1
2,4,6-Trinitrotoluene	1960	100	ug/kg		1
2,4-Dinitrotoluene	3650	100	ug/kg		1
2,6-Dinitrotoluene	BQL	100	ug/kg	U	1
2-Amino-4,6-Dinitrotoluene	BQL	100	ug/kg	U	1
4-Amino-2,6-Dinitrotoluene	436	100	ug/kg		1
HMX	BQL	200	ug/kg	U	1
Nitrobenzene	BQL	100	ug/kg	U	1
RDX	BQL	200	ug/kg	U	1
Tetryl	BQL	200	ug/kg	U	1
m-Nitrotoluene	450	200	ug/kg		1
o-Nitrotoluene	3270	200	ug/kg		1
p-Nitrotoluene	2860	200	ug/kg		1

Summary of Analytical Results

Client ID AB0461
GPL ID: 9180-007-04-1
Matrix: Soil
Date Collected: Sep-28-2000
Date Received: Sep-29-2000

Prep Method: EXT_SW8330
Prep Date: Oct-03-2000
Prep Time: 14:18
Prep Chemist: Shila Soleimani

Analytical Method: SW8330
Date Analyzed: Oct-15-2000
Time Analyzed 05:14
Analyst: Shukla Sarker

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	3590	95.2	ug/kg		1
1,3-Dinitrobenzene	BQL	95.2	ug/kg	U	1
2,4,6-Trinitrotoluene	5190	95.2	ug/kg		1
2,6-Dinitrotoluene	BQL	95.2	ug/kg	U	1
2-Amino-4,6-Dinitrotoluene	BQL	95.2	ug/kg	U	1
4-Amino-2,6-Dinitrotoluene	BQL	95.2	ug/kg	U	1
HMX	BQL	190	ug/kg	U	1
Nitrobenzene	BQL	95.2	ug/kg	U	1
RDX	BQL	190	ug/kg	U	1
Tetryl	BQL	190	ug/kg	U	1
m-Nitrotoluene	8610	190	ug/kg		1

Summary of Analytical Results

Client ID AB0461
GPL ID: 9180-007-04-1
Matrix: Soil
Date Collected: Sep-28-2000
Date Received: Sep-29-2000

Prep Method: EXT_SW8330
Prep Date: Oct-03-2000
Prep Time: 14:18
Prep Chemist: Shila Soleimani

Analytical Method: SW8330
Date Analyzed: Oct-18-2000
Time Analyzed 09:41
Analyst: Shukla Sarker

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
2,4-Dinitrotoluene	297000	9520	ug/kg		100
o-Nitrotoluene	50800	19000	ug/kg		100
p-Nitrotoluene	67400	19000	ug/kg		100

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB0462
GPL ID: 9180-008-04-1
Matrix: Soil
Date Collected: Sep-28-2000
Date Received: Sep-29-2000

Prep Method: EXT_SW8330
Prep Date: Oct-03-2000
Prep Time: 14:18
Prep Chemist: Shila Soleimani

Analytical Method: SW8330
Date Analyzed: Oct-15-2000
Time Analyzed 05:42
Analyst: Shukla Sarker

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	BQL	90.9	ug/kg	U	1
1,3-Dinitrobenzene	BQL	90.9	ug/kg	U	1
2,4,6-Trinitrotoluene	167	90.9	ug/kg		1
2,6-Dinitrotoluene	BQL	90.9	ug/kg	U	1
2-Amino-4,6-Dinitrotoluene	BQL	90.9	ug/kg	U	1
4-Amino-2,6-Dinitrotoluene	BQL	90.9	ug/kg	U	1
HMX	BQL	182	ug/kg	U	1
Nitrobenzene	BQL	90.9	ug/kg	U	1
RDX	BQL	182	ug/kg	U	1
Tetryl	BQL	182	ug/kg	U	1
m-Nitrotoluene	1090	182	ug/kg		1
o-Nitrotoluene	6320	182	ug/kg		1
p-Nitrotoluene	6590	182	ug/kg		1

Summary of Analytical Results

Client ID AB0462
GPL ID: 9180-008-04-1
Matrix: Soil
Date Collected: Sep-28-2000
Date Received: Sep-29-2000

Prep Method: EXT_SW8330
Prep Date: Oct-03-2000
Prep Time: 14:18
Prep Chemist: Shila Soleimani

Analytical Method: SW8330
Date Analyzed: Oct-18-2000
Time Analyzed 10:09
Analyst: Shukla Sarker

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
2,4-Dinitrotoluene	36300	909	ug/kg		10

Summary of Analytical Results

Client ID AB0466
GPL ID: 9180-009-04-1
Matrix: Soil
Date Collected: Sep-28-2000
Date Received: Sep-29-2000

Prep Method: EXT_SW8330
Prep Date: Oct-03-2000
Prep Time: 14:18
Prep Chemist: Shila Soleimani

Analytical Method: SW8330
Date Analyzed: Oct-15-2000
Time Analyzed 07:08
Analyst: Shukla Sarker

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	146	100	ug/kg		1
1,3-Dinitrobenzene	BQL	100	ug/kg	U	1
2,6-Dinitrotoluene	BQL	100	ug/kg	U	1
2-Amino-4,6-Dinitrotoluene	BQL	100	ug/kg	U	1
4-Amino-2,6-Dinitrotoluene	BQL	100	ug/kg	U	1
HMX	BQL	200	ug/kg	U	1
Nitrobenzene	96.3	100	ug/kg	J	1
RDX	BQL	200	ug/kg	U	1
Tetryl	BQL	200	ug/kg	U	1
m-Nitrotoluene	BQL	200	ug/kg	U	1
o-Nitrotoluene	BQL	200	ug/kg	U	1
p-Nitrotoluene	BQL	200	ug/kg	U	1

Summary of Analytical Results

Client ID AB0466
GPL ID: 9180-009-04-1
Matrix: Soil
Date Collected: Sep-28-2000
Date Received: Sep-29-2000

Prep Method: EXT_SW8330
Prep Date: Oct-03-2000
Prep Time: 14:18
Prep Chemist: Shila Soleimani

Analytical Method: SW8330
Date Analyzed: Oct-18-2000
Time Analyzed 10:38
Analyst: Shukla Sarker

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
2,4,6-Trinitrotoluene	448000	10000	ug/kg		100
2,4-Dinitrotoluene	236000	10000	ug/kg		100

Summary of Analytical Results

Client ID AB0467
GPL ID: 9180-010-04-1
Matrix: Soil
Date Collected: Sep-28-2000
Date Received: Sep-29-2000

Prep Method: EXT_SW8330
Prep Date: Oct-03-2000
Prep Time: 14:18
Prep Chemist: Shila Soleimani

Analytical Method: SW8330
Date Analyzed: Oct-15-2000
Time Analyzed 07:37
Analyst: Shukla Sarker

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	119	100	ug/kg		1
1,3-Dinitrobenzene	BQL	100	ug/kg	U	1
2,6-Dinitrotoluene	BQL	100	ug/kg	U	1
2-Amino-4,6-Dinitrotoluene	647	100	ug/kg		1
4-Amino-2,6-Dinitrotoluene	3760	100	ug/kg		1
HMX	BQL	200	ug/kg	U	1
Nitrobenzene	BQL	100	ug/kg	U	1
RDX	BQL	200	ug/kg	U	1
Tetryl	BQL	200	ug/kg	U	1
m-Nitrotoluene	484	200	ug/kg		1
o-Nitrotoluene	BQL	200	ug/kg	U	1
p-Nitrotoluene	290	200	ug/kg		1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB0467
GPL ID: 9180-010-04-1
Matrix: Soil
Date Collected: Sep-28-2000
Date Received: Sep-29-2000

Prep Method: EXT_SW8330
Prep Date: Oct-03-2000
Prep Time: 14:18
Prep Chemist: Shila Soleimani

Analytical Method: SW8330
Date Analyzed: Oct-18-2000
Time Analyzed 11:06
Analyst: Shukla Sarker

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
2,4,6-Trinitrotoluene	173000	1000	ug/kg		10
2,4-Dinitrotoluene	47800	1000	ug/kg		10

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB0468
GPL ID: 9180-011-04-1
Matrix: Soil
Date Collected: Sep-28-2000
Date Received: Sep-29-2000

Prep Method: EXT_SW8330
Prep Date: Oct-03-2000
Prep Time: 14:18
Prep Chemist: Shila Soleimani

Analytical Method: SW8330
Date Analyzed: Oct-15-2000
Time Analyzed 09:02
Analyst: Shukla Sarker

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	BQL	87	ug/kg	U	1
1,3-Dinitrobenzene	BQL	87	ug/kg	U	1
2,4,6-Trinitrotoluene	166	87	ug/kg		1
2,4-Dinitrotoluene	483	87	ug/kg		1
2,6-Dinitrotoluene	BQL	87	ug/kg	U	1
2-Amino-4,6-Dinitrotoluene	BQL	87	ug/kg	U	1
4-Amino-2,6-Dinitrotoluene	151	87	ug/kg		1
HMX	BQL	174	ug/kg	U	1
Nitrobenzene	BQL	87	ug/kg	U	1
RDX	BQL	174	ug/kg	U	1
Tetryl	BQL	174	ug/kg	U	1
m-Nitrotoluene	263	174	ug/kg		1
o-Nitrotoluene	1940	174	ug/kg		1
p-Nitrotoluene	1990	174	ug/kg		1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB0471
GPL ID: 9180-012-04-1
Matrix: Soil
Date Collected: Sep-28-2000
Date Received: Sep-29-2000

Prep Method: EXT_SW8330
Prep Date: Oct-03-2000
Prep Time: 14:18
Prep Chemist: Shila Soleimani

Analytical Method: SW8330
Date Analyzed: Oct-15-2000
Time Analyzed 09:31
Analyst: Shukla Sarker

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	BQL	100	ug/kg	U	1
1,3-Dinitrobenzene	BQL	100	ug/kg	U	1
2,4,6-Trinitrotoluene	448	100	ug/kg		1
2,4-Dinitrotoluene	2030	100	ug/kg		1
2,6-Dinitrotoluene	BQL	100	ug/kg	U	1
2-Amino-4,6-Dinitrotoluene	359	100	ug/kg		1
4-Amino-2,6-Dinitrotoluene	946	100	ug/kg		1
HMX	BQL	200	ug/kg	U	1
Nitrobenzene	BQL	100	ug/kg	U	1
RDX	BQL	200	ug/kg	U	1
Tetryl	BQL	200	ug/kg	U	1
m-Nitrotoluene	310	200	ug/kg		1
o-Nitrotoluene	921	200	ug/kg		1
p-Nitrotoluene	1180	200	ug/kg		1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB0472
GPL ID: 9180-013-04-1
Matrix: Soil
Date Collected: Sep-28-2000
Date Received: Sep-29-2000

Prep Method: EXT_SW8330
Prep Date: Oct-03-2000
Prep Time: 14:18
Prep Chemist: Shila Soleimani

Analytical Method: SW8330
Date Analyzed: Oct-15-2000
Time Analyzed 10:00
Analyst: Shukla Sarker

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	BQL	100	ug/kg	U	1
1,3-Dinitrobenzene	BQL	100	ug/kg	U	1
2,4,6-Trinitrotoluene	257	100	ug/kg		1
2,4-Dinitrotoluene	824	100	ug/kg		1
2,6-Dinitrotoluene	BQL	100	ug/kg	U	1
2-Amino-4,6-Dinitrotoluene	433	100	ug/kg		1
4-Amino-2,6-Dinitrotoluene	333	100	ug/kg		1
HMX	BQL	200	ug/kg	U	1
Nitrobenzene	BQL	100	ug/kg	U	1
RDX	BQL	200	ug/kg	U	1
Tetryl	BQL	200	ug/kg	U	1
m-Nitrotoluene	BQL	200	ug/kg	U	1
o-Nitrotoluene	295	200	ug/kg		1
p-Nitrotoluene	390	200	ug/kg		1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB3007
GPL ID: 9180-016-04-1/2
Matrix: Water
Date Collected: Sep-28-2000
Date Received: Sep-29-2000

Prep Method: EXT_SW8330
Prep Date: Oct-04-2000
Prep Time: 22:07
Prep Chemist: Reynaldo Caraan

Analytical Method: SW8330
Date Analyzed: Oct-05-2000
Time Analyzed 22:29
Analyst: Dayuan Han

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	BQL	0.26	ug/L	U	1
1,3-Dinitrobenzene	BQL	0.26	ug/L	U	1
2,4,6-Trinitrotoluene	0.208	0.26	ug/L	J	1
2,4-Dinitrotoluene	1.80	0.26	ug/L		1
2,6-Dinitrotoluene	BQL	0.26	ug/L	U	1
2-Amino-4,6-Dinitrotoluene	3.20	0.26	ug/L		1
4-Amino-2,6-Dinitrotoluene	2.74	0.26	ug/L		1
HMX	BQL	0.52	ug/L	U	1
Nitrobenzene	BQL	0.26	ug/L	U	1
RDX	BQL	0.52	ug/L	U	1
Tetryl	BQL	0.52	ug/L	U	1
m-Nitrotoluene	BQL	0.52	ug/L	U	1
o-Nitrotoluene	0.791	0.52	ug/L		1
p-Nitrotoluene	BQL	0.52	ug/L	U	1

Summary of Analytical Results

Client ID AB3004
GPL ID: 9180-014-04-1/2
Matrix: Water
Date Collected: Sep-28-2000
Date Received: Sep-29-2000

Prep Method: EXT_SW8330
Prep Date: Oct-04-2000
Prep Time: 14:28
Prep Chemist: Reynaldo Caraan

Analytical Method: SW8330
Date Analyzed: Oct-22-2000
Time Analyzed 05:20
Analyst: Shukla Sarker

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	BQL	0.26	ug/L	U	1
1,3-Dinitrobenzene	BQL	0.26	ug/L	U	1
2,4,6-Trinitrotoluene	648	0.26	ug/L		1
2,4-Dinitrotoluene	373	0.26	ug/L		1
2,6-Dinitrotoluene	BQL	0.26	ug/L	U	1
2-Amino-4,6-Dinitrotoluene	131	0.26	ug/L		1
4-Amino-2,6-Dinitrotoluene	59.4	0.26	ug/L		1
HMX	BQL	0.519	ug/L	U	1
Nitrobenzene	BQL	0.26	ug/L	U	1
RDX	BQL	0.519	ug/L	U	1
Tetryl	BQL	0.519	ug/L	U	1
m-Nitrotoluene	0.880	0.519	ug/L		1
o-Nitrotoluene	4.73	0.519	ug/L		1
p-Nitrotoluene	BQL	0.519	ug/L	U	1

Summary of Analytical Results

Client ID AB3004
GPL ID: 9180-014-04-1/2
Matrix: Water
Date Collected: Sep-28-2000
Date Received: Sep-29-2000

Prep Method: EXT_SW8330
Prep Date: Oct-04-2000
Prep Time: 14:28
Prep Chemist: Reynaldo Caraan

Analytical Method: SW8330
Date Analyzed: Oct-31-2000
Time Analyzed 09:05
Analyst: Shukla Sarker

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	BQL	13	ug/L	U	50
1,3-Dinitrobenzene	BQL	13	ug/L	U	50
2,4,6-Trinitrotoluene	620	13	ug/L		50
2,4-Dinitrotoluene	338	13	ug/L		50
2,6-Dinitrotoluene	BQL	13	ug/L	U	50
2-Amino-4,6-Dinitrotoluene	147	13	ug/L		50
4-Amino-2,6-Dinitrotoluene	32.2	13	ug/L		50
HMX	BQL	26	ug/L	U	50
Nitrobenzene	BQL	13	ug/L	U	50
RDX	BQL	26	ug/L	U	50
Tetryl	BQL	26	ug/L	U	50
m-Nitrotoluene	BQL	26	ug/L	U	50
o-Nitrotoluene	BQL	26	ug/L	U	50
p-Nitrotoluene	BQL	26	ug/L	U	50

Summary of Analytical Results

Client ID AB3006
GPL ID: 9180-015-04-1/2
Matrix: Water
Date Collected: Sep-28-2000
Date Received: Sep-29-2000

Prep Method: EXT_SW8330
Prep Date: Oct-04-2000
Prep Time: 14:28
Prep Chemist: Reynaldo Caraan

Analytical Method: SW8330
Date Analyzed: Oct-22-2000
Time Analyzed 07:43
Analyst: Shukla Sarker

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	BQL	0.26	ug/L	U	1
1,3-Dinitrobenzene	BQL	0.26	ug/L	U	1
2,4,6-Trinitrotoluene	0.547	0.26	ug/L		1
2,4-Dinitrotoluene	0.754	0.26	ug/L		1
2,6-Dinitrotoluene	BQL	0.26	ug/L	U	1
2-Amino-4,6-Dinitrotoluene	2.88	0.26	ug/L		1
4-Amino-2,6-Dinitrotoluene	2.27	0.26	ug/L		1
HMX	BQL	0.519	ug/L	U	1
Nitrobenzene	BQL	0.26	ug/L	U	1
RDX	BQL	0.519	ug/L	U	1
Tetryl	BQL	0.519	ug/L	U	1
m-Nitrotoluene	BQL	0.519	ug/L	U	1
o-Nitrotoluene	BQL	0.519	ug/L	U	1
p-Nitrotoluene	BQL	0.519	ug/L	U	1

3F

WATER LABORATORY CONTROL SPIKE RECOVERY

Lab Name: GPL Laboratories, LLLP Contract: IT CORPORATION

Lab Code: GPLL Case No. N/A SAS No. N/A SDG No. N/A

EPA Sample No.: NLCS C Contract-Lab-Lot-Seq GP ID: NBLK 7171 MS

COMPOUND	SPIKE ADDED ug/l	LCS CONCENTRATION ug/l	LCS % REC	QC LIMITS
HMX	7.8	7.0	90	70-127
1,3,5-TNB	3.9	3.6	91	20-150
TETRYL	7.8	3.6	46	20-104
TNT	3.9	4.6	118	70-150
4-AMINO-2,6-DNT	3.9	3.8	98	63-121
4-NITROTOLUENE	7.8	7.1	91	57-139
RDX	7.8	7.1	91	70-124
1,3-DINITROBENZENE	3.9	3.8	97	65-141
NITROBENZENE	3.9	4.1	104	71-134
2-AMINO-4,6-DNT	3.9	5.6	144	43-150
2,4-DNT	7.8	4.8	61	53-101
2-NITROTOLUENE	7.8	7.1	91	63-132
3-NITROTOLUENE	7.8	7.4	95	68-133

* OUTSIDE QC LIMIT

COMMENTS:

FORM III 8330

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

NBLKC

Lab Name: GPL LABORATORIES, LLLP Contract: IT CORPORAT

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Lab File ID: LCA2891.D Lab Sample ID: BLK7171

Instrument ID: LCA Date Extracted: 10/03/00

Matrix: (soil/water) WATER Date Analyzed: 10/22/00

Level: (low/med) LOW Time Analyzed: 02:00

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	Client SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	NLCSC	BKS7171	LCA2892.D	10/22/00
02	AB3004	9180-014	LCA2898.D	10/22/00
03	AB3006	9180-015	LCA2903.D	10/22/00
04	AB3004 DIL	9180-014 50X	LCA3070.D	10/31/00

COMMENTS:

6004

2D
SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBROOK

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Level: (low/med) LOW

	Client SAMPLE NO.	S1 #	TOT OUT
01	NBLKA	91	0
02	NLCSA	93	0
03	AA0468	81	0
04	AA0469	103	0
05	AA0470	87	0
06	AA0471	92	0
07	~~AA~~0460	106	0
08	~~AA~~0461	90	0
09	AB0462	111	0
10	AB0462 MS	104	0
11	AB0462 MSD	104	0
12	AB0466	58	0
13	AB0467	81	0
14	AB0468	94	0
15	AB0471	98	0
16	AB0472	89	0
17	AA0461 DIL	D	
18	AB0462 DIL	11* D	
19	AB0466 DIL	D	
20	AB0467 DIL	D	

MM AB 12/10 AB

C 10-2-90

			QC LIMITS
S1	=	4-NITROANILINE	(24-140)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogate diluted out

4003

2C
WATER EXPLOSIVES SURROGATE RECOVERY

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBROOK

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

	CLIENT SAMPLE NO.	S1 #	TOT OUT
01	NBLKB	93	0
02	NLCSB	92	0
03	AB3007	65	0

			QC LIMITS
S1	=	4-NITROANILINE	(22-98)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogate diluted out

4004

3D

SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBROOK

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Matrix Spike - EPA Sample No.: AB0462 Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC LIMITS REC.
HMX	3000	0.0	2900	97	70 - 113
1,3,5-TRINITROBENZENE	3000	0.0	1800	60	20 - 150
TETRYL	3000	0.0	2700	90	20 - 103
2,4,6-TRINITROTOLUENE	1500	170	2000	120	46 - 150
4-AMINO-2,6-DINITROTOLU	1500	0.0	1500	100	39 - 136
4-NITROTOLUENE	3000	6600	9800	107	72 - 114
RDX	3000	0.0	2700	90	70 - 124
1,3-DINITROBENZENE	1500	0.0	1500	100	70 - 127
NITROBENZENE	1500	0.0	1500	100	70 - 120
2-AMINO-4,6-DINITROTOLU	1500	0.0	0.0	0 *	43 - 150
2,4-DINITROTOLUENE	3000	33000	40000	243 *	56 - 100
2-NITROTOLUENE	3000	6300	9500	107	70 - 116
3-NITROTOLUENE	3000	1100	4000	97	70 - 109

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
HMX	3000	3000	100	3	25	70 - 113
1,3,5-TRINITROBENZENE	3000	1900	63	5	25	20 - 150
TETRYL	3000	2900	97	7	25	20 - 103
2,4,6-TRINITROTOLUENE	1500	1900	113	6	25	46 - 150
4-AMINO-2,6-DINITROTOLU	1500	1500	100	0	25	39 - 136
4-NITROTOLUENE	3000	10000	113	5	25	72 - 114
RDX	3000	2800	93	3	25	70 - 124
1,3-DINITROBENZENE	1500	1600	107	7	25	70 - 127
NITROBENZENE	1500	1500	100	0	25	70 - 120
2-AMINO-4,6-DINITROTOLU	1500	0.0	0 *	0	25	43 - 150
2,4-DINITROTOLUENE	3000	41000	267 *	14	25	56 - 100
2-NITROTOLUENE	3000	9700	113	5	25	70 - 116

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 13 outside limits

Spike Recovery: 4 out of 26 outside limits

COMMENTS:

3D

SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBROOK

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Matrix Spike - EPA Sample No.: AB0462 Level: (low/med) LOW

3-NITROTOLUENE	3000	4100	100	3	25	70 - 109

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 0 outside limits

Spike Recovery: 0 out of 0 outside limits

COMMENTS:

4006

3C

WATER EXPLOSIVES MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBROOK

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Matrix Spike - EPA Sample No.: L800-C5678

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
HMX	7.8	0.0	6.0	77	56 - 116
1,3,5-TRINITROBENZENE	3.9	0.0	3.2	82	26 - 150
TETRYL	7.8	0.0	3.8	49	20 - 143
2,4,6-TRINITROTOLUENE	3.9	0.0	4.5	115	38 - 157
4-AMINO-2,6-DINITROTOLU	3.9	0.0	3.4	87	60 - 128
RDX	7.8	0.74	6.7	77	41 - 121
1,3-DINITROBENZENE	3.9	0.0	3.1	79	50 - 115
NITROBENZENE	3.9	0.0	3.0	77	52 - 113
2-AMINO-4,6-DINITROTOLU	3.9	0.0	4.4	113	51 - 120
2,4-DINITROTOLUENE	7.8	0.0	4.4	56	48 - 97
4-NITROTOLUENE	7.8	0.0	6.6	85	41 - 128
2-NITROTOLUENE	7.8	0.0	5.7	73	45 - 125
3-NITROTOLUENE	7.8	0.0	6.5	83	50 - 117

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
HMX	7.8	5.2	67	14	25	56 - 116
1,3,5-TRINITROBENZENE	3.9	2.8	72	13	25	26 - 150
TETRYL	7.8	3.3	42	15	25	20 - 143
2,4,6-TRINITROTOLUENE	3.9	4.1	105	9	25	38 - 157
4-AMINO-2,6-DINITROTOLU	3.9	2.9	74	16	25	60 - 128
RDX	7.8	5.8	65	17	25	41 - 121
1,3-DINITROBENZENE	3.9	2.7	69	14	25	50 - 115
NITROBENZENE	3.9	2.6	67	14	25	52 - 113
2-AMINO-4,6-DINITROTOLU	3.9	4.0	103	9	25	51 - 120
2,4-DINITROTOLUENE	7.8	3.9	50	11	25	48 - 97
4-NITROTOLUENE	7.8	5.7	73	15	25	41 - 128
2-NITROTOLUENE	7.8	5.6	72	1	25	45 - 125

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 13 outside limits

Spike Recovery: 0 out of 26 outside limits

4007

COMMENTS:

3C

WATER EXPLOSIVES MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBROOK

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Matrix Spike - EPA Sample No.: L800-C5678

3-NITROTOLUENE	7.8	5.6	72	14	25	50 - 117

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 0 outside limits

Spike Recovery: 0 out of 0 outside limits

COMMENTS:

4008

3F

SOIL LABORATORY CONTROL SPIKE RECOVERY

Lab Name: GPL Laboratories Contract: IT_PLUMBROOK

Lab Code: GPLL Case No.: N/A SAS No. N/A SDG No. N/A

EPA Sample No.: NLCSA GP ID: NBLK-7136-MS

COMPOUND	SPIKE ADDED (ug/kg)	LCS CONCENTRATION (ug/kg)	LCS % REC	QC LIMITS
HMX	3000	2881	96	70-114
1,3,5-TNB	1500	1653	110	70-118
TETRYL	3000	2140	71	26-100
TNT	1500	1973	132	70-150
4-AMINO-2,6-DNT	1500	1721	115 *	60-112
4-NITROTOLUENE	3000	2901	97	70-119
RDX	3000	2987	100	70-118
1,3-DINITROBENZENE	1500	1545	103	70-118
NITROBENZENE	1500	1465	98	70-121
2-AMINO-4,6-DNT	1500	1892	126	69-146
2,4-DNT	3000	2183	73	64-100
2-NITROTOLUENE	3000	3005	100	70-122
3-NITROTOLUENE	3000	2978	99	70-111

* OUTSIDE QC LIMIT

COMMENTS:

FORM III 8330

3F
WATER LABORATORY CONTROL SPIKE RECOVERY

Lab Name: GPL Laboratories Contract: IT_PLUMBROOK

Lab Code: GPLL Case No.: N/A SAS No. N/A SDG No.: N/A

EPA Sample No.: NLCSB GP ID: NBLK-7187-MS

COMPOUND	SPIKE ADDED ug/l	LCS CONCENTRATION ug/l	LCS % REC	QC LIMITS
HMX	7.8	6.9	89	70-127
1,3,5-TNB	3.9	3.7	95	20-150
TETRYL	7.8	4.6	60	20-104
TNT	3.9	4.7	120	70-150
4-AMINO-2,6-DNT	3.9	3.9	100	63-121
4-NITROTOLUENE	7.8	7.5	97	57-139
RDX	7.8	7.9	101	70-124
1,3-DINITROBENZENE	3.9	3.7	94	65-141
NITROBENZENE	3.9	3.6	92	71-134
2-AMINO-4,6-DNT	3.9	4.8	122	43-150
2,4-DNT	7.8	4.9	63	53-101
2-NITROTOLUENE	7.8	7.4	95	63-132
3-NITROTOLUENE	7.8	7.3	94	68-133

* OUTSIDE QC LIMIT

COMMENTS:

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

NBLKA

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBRO

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Lab File ID: LCA2624.D Lab Sample ID: NBLK-7136

Instrument ID: LCA Date Extracted: 10/03/00

Matrix: (soil/water) SOIL Date Analyzed: 10/15/00

Level: (low/med) LOW Time Analyzed: 00:57

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	Client SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	NLCSA	NBLK-7136 MS	LCA2625.D	10/15/00
02	AA0468	9180-002	LCA2626.D	10/15/00
03	AA0469	9180-003	LCA2629.D	10/15/00
04	AA0470	9180-004	LCA2630.D	10/15/00
05	AA0471	9180-005	LCA2631.D	10/15/00
AB 06	~~AA~~0460	9180-006	LCA2632.D	10/15/00
AB 07	~~AA~~0461	9180-007	LCA2633.D	10/15/00
08	AB0462	9180-008	LCA2634.D	10/15/00
09	AB0462 MS	9180-008 MS	LCA2635.D	10/15/00
10	AB0462 MSD	9180-008 MSD	LCA2636.D	10/15/00
11	AB0466	9180-009	LCA2637.D	10/15/00
12	AB0467	9180-010	LCA2638.D	10/15/00
13	AB0468	9180-011	LCA2641.D	10/15/00
14	AB0471	9180-012	LCA2642.D	10/15/00
15	AB0472	9180-013	LCA2643.D	10/15/00
16	AA0461 DIL	9180-007 100X	LCA2710.D	10/18/00
17	AB0462 DIL	9180-008 10X	LCA2711.D	10/18/00
18	AB0466 DIL	9180-009 100X	LCA2712.D	10/18/00
19	AB0467 DIL	9180-010 10X	LCA2713.D	10/18/00

mm 12/1/00

COMMENTS:

4011

4B

EXPLOSIVES METHOD BLANK SUMMARY

EPA SAMPLE NO.

NBLKB

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBRO

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Lab File ID: LCA2337.D Lab Sample ID: NBLK 7187

Instrument ID: LCA Date Extracted: 10/04/00

Matrix: (soil/water) WATER Date Analyzed: 10/05/00

Level: (low/med) LOW Time Analyzed: 15:21

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	Client Sample NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	NLCSB	NBLK 7187 MS	LCA2338.D	10/05/00
02	AB3007	9180-016	LCA2352.D	10/05/00

COMMENTS:

4012

GPL LABORATORIES, LLLP

Qualifier Definitions

U = Indicates that the compound was analyzed for but not detected at or above the reporting limit

Organics:

B = Indicates that the analyte was found in the associated blank as well as in the sample

D = Indicates that the analyte was reported from a diluted analysis

E = Indicates that the concentration detected exceeded the calibration range of the instrument

J = Value is less than the reporting limits but greater than the MDL

P = Indicates that there is greater than 25% difference for detected pesticide/Aroclor results between the two GC columns

Metals:

B = Indicates that the reported value was less than the reporting limit but greater than or equal to the IDL/MDL

E = Indicates that reported value is estimated because of the possible presence of interference (i.e., the serial dilution not within control limits)

H = Indicates that the element was found in the associated blank as well as in the sample and the value is greater than or equal to the reporting limit

N = Spiked sample recovery not within control limits

• = Duplicate analysis not within control limits

IT CORPORATION
A Member of The IT Group

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 09282000-GPL

Project Number: 773206
Samples Shipment Date: 28 SEP 2000
Project Name: PLUMBROOK ORDNANCE WOR
ab Destination: GPL Labotatories
Sample Coordinator: Duane Nielsen
Lab Contact: Bill Lock
Turnaround Time:
Project Contact: Kim Napier
Carrier/Waybill No.: Fed Ex/8212 2620 3250

Bill To: Accounts Receivable
312 Directors Drive
Knoxville TN 37923

Report To: Kim Napier
312 Directors Drive
Knoxville TN 37923

Special Instructions: 48 HOUR HOLD TIME ON ENCORE SAMPLES.

Possible Hazard Indentification:
Non-hazard [ ] Flammable [ ] Skin Irritant [ ] Poison B [ ] Unknown [X]

Sample Disposal:
Return to Client [ ] Disposal by Lab [X] Archive (mos.)

1. Relinquished By (Signature/Affiliation) [signature] Date: 9/29/00 Time: 18:15
2. Relinquished By (Signature/Affiliation) Date: Time:
3. Relinquished By (Signature/Affiliation) Date: Time:

1. Received By (Signature/Affiliation) Date: Time:
2. Received By (Signature/Affiliation) Date: Time:
3. Received By (Signature/Affiliation) [signature] Date: 09/29/00 Time: 10:00 AM

Comments:

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
D9282000-TB2	FIELDQC-BW-09282000-TB2-TB	28 SEP 2000	07:00	40 ml GVIAL,SEP	2	HCl<pH 2	TCL Volatiles by SW-846 8260B	N		
AA0468	PBOW-00-SO-TNTA-SO111-AA0468-(04-06)	28 SEP 2000	17:00	5 oz ENCORE	3	None except cool to 4 C	TCL Volatiles by SW-846 8260B	N		
AA0468	PBOW-00-SO-TNTA-SO111-AA0468-(04-06)	28 SEP 2000	17:00	8 oz CWM	1	None except cool to 4 C	PCBs by SW-846 8082, TCL Semivolatiles by SW-846 8270C	N		
AA0468	PBOW-00-SO-TNTA-SO111-AA0468-(04-06)	28 SEP 2000	17:00	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by SW-846 8330, TAL Metals by SW-846 6010B/7471A in soil	N		
AA0469	PBOW-00-SO-TNTA-SO111-AA0469-(08-10)	28 SEP 2000	17:10	5 oz ENCORE	3	None except cool to 4 C	TCL Volatiles by SW-846 8260B	N		
AA0469	PBOW-00-SO-TNTA-SO111-AA0469-(08-10)	28 SEP 2000	17:10	8 oz CWM	1	None except cool to 4 C	PCBs by SW-846 8082, TCL Semivolatiles by SW-846 8270C	N		

140

9:30

IT CORPORATION
A Member of The IT Group

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 09282000-GPL

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
AA0469	PBOW-00-SO-TNTA-SO111-AA0469-(08-10)	28 SEP 2000	17:10	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by SW-846 8330, TAL Metals by SW-846 6010B/7471A in soil	N		
AA0470	PBOW-00-SO-TNTA-SO128-AA0470-(04-06)	28 SEP 2000	16:30	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by SW-846 8330, TAL Metals by SW-846 6010B/7471A in soil	N		
AA0470	PBOW-00-SO-TNTA-SO128-AA0470-(04-06)	28 SEP 2000	16:30	5 oz ENCORE	3	None except cool to 4 C	TCL Volatiles by SW-846 8260B	N		
AA0470	PBOW-00-SO-TNTA-SO128-AA0470-(04-06)	28 SEP 2000	16:30	8 oz CWM	1	None except cool to 4 C	PCBs by SW-846 8082, TCL Semivolatiles by SW-846 8270C	N		
AA0471	PBOW-00-SO-TNTA-SO128-AA0471-(08-10)	28 SEP 2000	16:40	5 oz ENCORE	3	None except cool to 4 C	TCL Volatiles by SW-846 8260B	N		
AA0471	PBOW-00-SO-TNTA-SO128-AA0471-(08-10)	28 SEP 2000	16:40	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by SW-846 8330, TAL Metals by SW-846 6010B/7471A in soil	N		
AA0471	PBOW-00-SO-TNTA-SO128-AA0471-(08-10)	28 SEP 2000	16:40	8 oz CWM	1	None except cool to 4 C	PCBs by SW-846 8082, TCL Semivolatiles by SW-846 8270C	N		
AB0460	PBOW-00-TNTC-SO001-AB0460-(04-06)	28 SEP 2000	09:30	5 oz ENCORE	3	None except cool to 4 C	TCL Volatiles by SW-846 8260B	N		
AB0460	PBOW-00-TNTC-SO001-AB0460-(04-06)	28 SEP 2000	09:30	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by SW-846 8330, TCL Semivolatiles by SW-846 8270C	N		
AB0460	PBOW-00-TNTC-SO001-AB0460-(04-06)	28 SEP 2000	09:30	4 oz SLEEVE	1	None except cool to 4 C	TCL Volatiles by SW-846 8260B	N		
AB0460	PBOW-00-TNTC-SO001-AB0460-(04-06)	28 SEP 2000	09:30	8 oz CWM	1	None except cool to 4 C	TAL Metals by SW-846 6010B/7471A in soil, PCBs by SW-846 8082	N		
AB0461	PBOW-00-TNTC-SO066-AB0461-(05-07)	28 SEP 2000	14:00	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by SW-846 8330, TCL Semivolatiles by SW-846 8270C	N		
AB0461	PBOW-00-TNTC-SO066-AB0461-(05-07)	28 SEP 2000	14:00	8 oz CWM	1	None except cool to 4 C	TAL Metals by SW-846 6010B/7471A in soil, PCBs by SW-846 8082	N		
AB0461	PBOW-00-TNTC-SO066-AB0461-(05-07)	28 SEP 2000	14:00	5 oz ENCORE	3	None except cool to 4 C	TCL Volatiles by SW-846 8260B	N		
AB0461	PBOW-00-TNTC-SO066-AB0461-(05-07)	28 SEP 2000	14:00	4 oz SLEEVE	1	None except cool to 4 C	TCL Volatiles by SW-846 8260B	N		
AB0462	PBOW-00-TNTC-SO066-AB0462-(08-10)	28 SEP 2000	14:20	5 oz ENCORE	3	None except cool to 4 C	TCL Volatiles by SW-846 8260B	N		
AB0462	PBOW-00-TNTC-SO066-AB0462-(08-10)	28 SEP 2000	14:20	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by SW-846 8330, TCL Semivolatiles by SW-846 8270C	N		
AB0462	PBOW-00-TNTC-SO066-AB0462-(08-10)	28 SEP 2000	14:20	4 oz SLEEVE	1	None except cool to 4 C	TCL Volatiles by SW-846 8260B	N		
AB0462	PBOW-00-TNTC-SO066-AB0462-(08-10)	28 SEP 2000	14:20	8 oz CWM	1	None except cool to 4 C	TAL Metals by SW-846 6010B/7471A in soil, PCBs by SW-846 8082	N		
AB0466	PBOW-00-TNTC-SO171-AB0466-(04-06)	28 SEP 2000	08:50	8 oz CWM	1	None except cool to 4 C	TAL Metals by SW-846 6010B/7471A in soil, PCBs by SW-846 8082	N		
AB0466	PBOW-00-TNTC-SO171-AB0466-(04-06)	28 SEP 2000	08:50	4 oz SLEEVE	1	None except cool to 4 C	TCL Volatiles by SW-846 8260B	N		
AB0466	PBOW-00-TNTC-SO171-AB0466-(04-06)	28 SEP 2000	08:50	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by SW-846 8330, TCL Semivolatiles by SW-846 8270C	N		
AB0466	PBOW-00-TNTC-SO171-AB0466-(04-06)	28 SEP 2000	08:50	5 oz ENCORE	3	None except cool to 4 C	TCL Volatiles by SW-846 8260B	N		
AB0467	PBOW-00-TNTC-SO171-AB0467-(08-10)	28 SEP 2000	09:00	5 oz ENCORE	3	None except cool to 4 C	TCL Volatiles by SW-846 8260B	N		
AB0467	PBOW-00-TNTC-SO171-AB0467-(08-10)	28 SEP 2000	09:00	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by SW-846 8330, TCL Semivolatiles by SW-846 8270C	N		
AB0467	PBOW-00-TNTC-SO171-AB0467-(08-10)	28 SEP 2000	09:00	4 oz SLEEVE	1	None except cool to 4 C	TCL Volatiles by SW-846 8260B	N		

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IT CORPORATION
A Member of The IT Group

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 09282000-GPL

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
AB0467	PBOW-00-TNTC-SO171-AB0467-(08-10)	28 SEP 2000	09:00	8 oz CWM	1	None except cool to 4 C	TAL Metals by SW-846 6010B/7471A in soil, PCBs by SW-846 8082	N		
AB0468	PBOW-00-TNTC-SO222-AB0468-(03-05)	28 SEP 2000	15:00	4 oz SLEEVE	1	None except cool to 4 C	TCL Volatiles by SW-846 8260B	N		
AB0468	PBOW-00-TNTC-SO222-AB0468-(03-05)	28 SEP 2000	15:00	5 oz ENCORE	3	None except cool to 4 C	TCL Volatiles by SW-846 8260B	N		
AB0468	PBOW-00-TNTC-SO222-AB0468-(03-05)	28 SEP 2000	15:00	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by SW-846 8330, TCL Semivolatiles by SW-846 8270C	N		
AB0468	PBOW-00-TNTC-SO222-AB0468-(03-05)	28 SEP 2000	15:00	8 oz CWM	1	None except cool to 4 C	TAL Metals by SW-846 6010B/7471A in soil, PCBs by SW-846 8082	N		
AB0471	PBOW-00-TNTC-SO397-AB0471-(04-06)	28 SEP 2000	11:00	5 oz ENCORE	3	None except cool to 4 C	TCL Volatiles by SW-846 8260B	N		
AB0471	PBOW-00-TNTC-SO397-AB0471-(04-06)	28 SEP 2000	11:00	8 oz CWM	1	None except cool to 4 C	TAL Metals by SW-846 6010B/7471A in soil, PCBs by SW-846 8082	N		
AB0471	PBOW-00-TNTC-SO397-AB0471-(04-06)	28 SEP 2000	11:00	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by SW-846 8330, TCL Semivolatiles by SW-846 8270C	N		
AB0471	PBOW-00-TNTC-SO397-AB0471-(04-06)	28 SEP 2000	11:00	4 oz SLEEVE	1	None except cool to 4 C	TCL Volatiles by SW-846 8260B	N		
AB0472	PBOW-00-TNTC-SO407-AB0472-(08-10)	28 SEP 2000	08:30	5 oz ENCORE	3	None except cool to 4 C	TCL Volatiles by SW-846 8260B	N		
AB0472	PBOW-00-TNTC-SO407-AB0472-(08-10)	28 SEP 2000	08:30	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by SW-846 8330, TCL Semivolatiles by SW-846 8270C	N		
AB0472	PBOW-00-TNTC-SO407-AB0472-(08-10)	28 SEP 2000	08:30	8 oz CWM	1	None except cool to 4 C	TAL Metals by SW-846 6010B/7471A in soil, PCBs by SW-846 8082	N		
AB0472	PBOW-00-TNTC-SO407-AB0472-(08-10)	28 SEP 2000	08:30	4 oz SLEEVE	1	None except cool to 4 C	TCL Volatiles by SW-846 8260B	N		
AB3004	PBOW-00-GW-TNTC-GW04-AB3004-(00-00)	28 SEP 2000	10:20	40 mL GVIAL,SEP	3	HCl<pH 2	TCL Volatiles by SW-846 8260B	N		
AB3004	PBOW-00-GW-TNTC-GW04-AB3004-(00-00)	28 SEP 2000	10:20	1 L Amb. Glass	2	None except cool to 4 C	TCL Semivolatiles by SW-846 8270C	N		
AB3004	PBOW-00-GW-TNTC-GW04-AB3004-(00-00)	28 SEP 2000	10:20	1 L Amb. Glass	2	None except cool to 4 C	Nitroaromatics by SW-846 8330	N		
AB3004	PBOW-00-GW-TNTC-GW04-AB3004-(00-00)	28 SEP 2000	10:20	1 L HDPE	1	HNO3, pH<2	TAL Metals by SW-846 6010B/7470A in water	Y		
AB3004	PBOW-00-GW-TNTC-GW04-AB3004-(00-00)	28 SEP 2000	10:20	1 L Amb. Glass	2	None except cool to 4 C	PCBs by SW-846 8082	N		
AB3004	PBOW-00-GW-TNTC-GW04-AB3004-(00-00)	28 SEP 2000	10:20	1 L HDPE	1	HNO3, pH<2	TAL Metals by SW-846 6010B/7470A in water	N		
AB3006	PBOW-00-GW-TNTC-GW06-AB3006-(00-00)	28 SEP 2000	15:40	1 L HDPE	1	HNO3, pH<2	TAL Metals by SW-846 6010B/7470A in water	Y		
AB3006	PBOW-00-GW-TNTC-GW06-AB3006-(00-00)	28 SEP 2000	15:40	40 mL GVIAL,SEP	3	HCl<pH 2	TCL Volatiles by SW-846 8260B	N		
AB3006	PBOW-00-GW-TNTC-GW06-AB3006-(00-00)	28 SEP 2000	15:40	1 L Amb. Glass	2	None except cool to 4 C	Nitroaromatics by SW-846 8330	N		
AB3006	PBOW-00-GW-TNTC-GW06-AB3006-(00-00)	28 SEP 2000	15:40	1 L Amb. Glass	2	None except cool to 4 C	TCL Semivolatiles by SW-846 8270C	N		
AB3006	PBOW-00-GW-TNTC-GW06-AB3006-(00-00)	28 SEP 2000	15:40	1 L HDPE	1	HNO3, pH<2	TAL Metals by SW-846 6010B/7470A in water	N		
AB3006	PBOW-00-GW-TNTC-GW06-AB3006-(00-00)	28 SEP 2000	15:40	1 L Amb. Glass	2	None except cool to 4 C	PCBs by SW-846 8082	N		
AB3007	PBOW-00-GW-TNTC-GW07-AB3007-(00-00)	28 SEP 2000	16:05	40 mL GVIAL,SEP	3	HCl<pH 2	TCL Volatiles by SW-846 8260B	N		
AB3007	PBOW-00-GW-TNTC-GW07-AB3007-(00-00)	28 SEP 2000	16:05	1 L Amb. Glass	2	None except cool to 4 C	TCL Semivolatiles by SW-846 8270C	N		
AB3007	PBOW-00-GW-TNTC-GW07-AB3007-(00-00)	28 SEP 2000	16:05	1 L Amb. Glass	2	None except cool to 4 C	Nitroaromatics by SW-846 8330	N		

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IT CORPORATION
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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 09282000-GPL

Sample No	Sample Name	Sample Date	Sample Time	Container	Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
AB3007	PBOW-00-GW-TNTC-GW07-AB3007-(00-00)	28 SEP 2000	16:05	1 L HDPE	1 HNO3, pH<2	TAL Metals by SW-846 6010B/7470A in water	N		
AB3007	PBOW-00-GW-TNTC-GW07-AB3007-(00-00)	28 SEP 2000	16:05	1 L Amb. Glass	2 None except cool to 4 C	PCBs by SW-846 8082	N		

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Sample Preservation Check Documentation Form

WORK ORDER: 9180

Parameter:	Metals Tot. Diss	Phenol	TPH O&G	Classical Parameters	Cyanide	Sulfide	Radiology	
Preservative:	HNO3	H2SO4	H2SO4	H2SO4	NaOH	NaOH	H2SO4	Other Preservations
pH Value	<2	<2	<2	<2	>12	>9	<2	
CLIENT I.D.								
AB3004	2/2							
AB3006	2/2							
AB3007	2/2							

Sample Preservation Check Performed By: [signature] Date: 2/29/00

GPL Laboratories, LLLP

Figure 1
SAMPLE RECEIPT CHECKLIST

W.O. No: 9170

Client Name: IT Corporation

Date Received: 09/29/00

Time Received: 10:00 AM

Received By: SG

Carrier Name: Fed Ex

Prepared (Logged In) By: SHT 09/29/00 (Initials Date)

Project: Plumbrook Ordnance works

Site:

VOA Holding Blank I.D. No:

	YES	NO
Airbill/Manifest Present?	✓	
No. 821226203250		
Shipping Container in Good Condition?	✓	
Custody Seals Present on Shipping Container?	✓	
Condition: Broken ____		
Intact-not dated or signed ____		
Intact-dated and signed ✓		
Usage of Tamper Evident Type	✓	
Chain-of-Custody Present?	✓	
Chain-of-Custody Agrees with Sample Labels?	✓	
Chain-of-Custody Signed?	✓	
Packing Present in Shipping Container?	✓	
Type of Packing Vermiculite Bubble wrap		
Custody seals on Sample Bottles?		✓
Condition: Good ____ Broken ____		
Total Number of Sample Bottles 106		
Total Number of Samples 16		
Samples Intact?	✓	
Sufficient Sample Volume for Indicated Test?	✓	

	YES	NO
Trip Blanks: No. of Sets 1	✓	
Field Blanks: No. of Sets ____		✓
Equip. Blank: No. of Sets ____		✓
Field Duplicate: No. of Sets ____		✓
MS/MSD: No of Sets ____		✓
VOA Vials Have Zero Headspace?	✓	
Preservatives Added to Sample?	✓	
pH Check Required? Performed By? SG	✓	
Ice Present in Shipping Container?	✓	

Container #	Temp.	Container #	Temp.
#1	2.0°C		
#2	3.0		
#3	3.0°		
#4	3.0C		

09/29/00

Project Manager Contacted?
Name: Bill Lock
Date Contacted: 09/29/00

Any NO response must be detailed in the comments section below. If items are not applicable to particular samples or contracts, they should be marked N/A/

COMMENTS: Temperature by temp Blank

Checklist Completed By: [signature]

Date: 09/29/00

SOP No: F.2V10

11/7

Analytical Report For 9188

for

IT Corporation

Project Manager: Maureen McMyler

Project Name : Plumbrook Ordnance Works

November 6, 2000

GPL

Laboratories

Project Manager

Laboratory Director

202 Perry Parkway Gaithersburg, MD 20877 Phone (301) 926 6802 Fax: (301) 840) 1209
www.gplab.com

TOTAL # OF PAGES : 110

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CASE NARRATIVE

CLIENT: IT CORPORATION
PROJECT/SITE: PLUMBROOK ORDNANCE WORKS
WORK ORDER(S): 9188
REVIEW DATE: 11/06/00

The Case Narrative, Chain of Custody, Sample Receipt Checklist, and the cover page of the Analytical Report, are integral parts of GPL Laboratories' report package. If you did not receive all of these documents, please contact GPL immediately.

Sample Receipt

Nine soils and three water samples were received on 09/30/2000. The samples were delivered by Federal express. The samples were received intact. Sample receipt conditions and temperatures are documented on the Sample Receipt Checklist.

Sample Analysis

Samples were prepared and analyzed by GPL using the analytical methodologies indicated on the Analytical Report of Analysis.

Volatile Analysis

1. Nine soils and three water samples were analyzed for volatile organic using 8260b methodologies.

2. Percent surrogate and internal standard recoveries of sample AB0474 were outside established QC limits in the initial analysis. The sample was reanalyzed within holding time. Both data results were submitted with this package.

3. The matrix spike and matrix spike duplicate analyses for soil and water were shared with work order 9169.

4. Three laboratory control sample (LCS) reports were submitted with this package.

5. The lowest calibration level reported for methylene chloride, acetone, trans-1,3-dichloropropane, and bromoform in the initial calibration curve report, 86_25W15.M, was 2 ug/L.

Semivolatile Analysis

1. Two water samples and nine soil samples were extracted using method 3520C and 3550B respectively. These samples were analyzed for semivolatile organic compounds using USEPA method 8270C.

2. Sample AA0460 was analyzed at a 1:20 dilution due to the recovery of 2,6-Dinitrotoluene and 2,4-Dinitrotoluene above the calibration range of the curve.

3. Samples AA0462 and AA0465 were analyzed at a 1:5 dilution due to the recovery of 2,6-Dinitrotoluene and 2,4-Dinitrotoluene above the calibration range of the curve.

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Laboratories

CASE NARRATIVE

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PROJECT/SITE: PLUMBROOK ORDNANCE WORKS
WORK ORDER(S): 9188
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4. Samples AA0466 and AB3009 were analyzed at a 1:10 dilution due to the recovery of 2,4-Dinitrotoluene above the calibration range of the curve.

5. For the water samples, QC was shared with work order #9134. Matrix spike and duplicate analysis was performed on sample MSPMWB18W27S0. A laboratory control spike was also performed with the batch. BKS7182 showed one matrix spike recovery outside of QC limits.

6. For the soil samples, matrix spike and duplicate analysis was performed on sample AA0461. A laboratory control spike was also performed with the batch.

Pesticide/PCB/Herbicides

1. Two water and nine soil samples were extracted and analyzed for PCB compounds using method 8082.

2. Matrix spike and MSD analysis was performed on sample AA0460 for soil and the water samples shared with WO# 9180 sample AB3007. RPD percent recovery for MS/MSD was above QC limits. A laboratory control spike was performed with each matrix.

3. Surrogate TCX was outside QC limits on both columns for AA0460, MS/MSD. TCX was outside QC limits on RTX-CLP2 for AA0463. TCX was outside QC limits on RTX-CLP for AA0461, AA0465, AA0466 and AB3009. Surrogate DCB was outside QC limits on both columns for AA0463. DCB was outside QC limits on RTX-CLP for AA0460 MSD.

4. Concentrations reported on Form I are the higher values of results generated by two columns. However, the analyst based on the evaluation of quality control parameters determines the most reliable results. Flagged concentrations (*) on Form I indicate that reported results are the lower values.

5. Due to software limitations, some forms were corrected manually.

Explosives/HPLC

1. Nine soil and two water samples were extracted and analyzed for explosive compounds using SW846 method 8330.

2. Matrix spike and matrix spike duplicate analyses were shared with GPL work-order 9184 for the soil samples. The recovery and RPD for several compounds were outside the QC limits due to the presence of some explosive compounds and interfering peaks in the native sample.

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CASE NARRATIVE

CLIENT: IT CORPORATION
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3. Matrix spike and matrix spike duplicate analyses were shared with GPL work-order 10014 for the water samples. All target analyte recoveries were within control limits.

4. A laboratory control sample was extracted and analyzed along with each sample matrix batch. The percent recovery of 4-Amino-2,6-DNT was slightly above QC limits in the soil LCS. All other target analyte recoveries were within control limits.

5. Explosive compounds 2,4-DNT and 2,6-DNT co-elute on the primary column and the confirmation column. The mixture of 2,4-DNT and 2,6-DNT in the LCS and MS/MSD samples is quantitated and reported as 2,4-DNT. A peak detected in the retention time window of 2,4-DNT and 2,6-DNT on both columns will be reported as an isomeric pair in samples under the results for 2,4-DNT.

6. Manual integration was performed on some data files, when automatic integration provided by the software was inappropriate. Some forms were "hand" corrected due to software limitations.

Metals

1. Two water samples and nine soil samples were analyzed for HSL metals by EPA SW846 methodologies.

2. The soil and water samples were reported on separate forms.

3. A matrix spike, duplicate, and serial dilution were performed on the batch water sample 0010016-014 for all required ICP analytes. No control limits were applied to the matrix spike for calcium due to an insignificant spike addition. The duplicate was outside of the control limits for arsenic. All associated data was flagged with an "*".

4. A matrix spike and duplicate were performed on the batch water sample 0010046-01 for mercury. They were within the control limits.

5. A matrix spike, duplicate, and serial dilution were performed on the batch soil sample 0009124-03 for all required ICP analytes. The matrix spike was outside of the control limits for antimony. All associated data was flagged with an "N". A post digestion analytical spike was performed with a recovery of 94.7%. No control limits were applied to the matrix spike for aluminum, and iron due to an insignificant spike addition.

6. A matrix spike and duplicate were performed on the batch soil sample 0009180-04, and soil sample AA0466 for mercury. They were within the control limits.

7. Calibration standards are verified against independent check standards purchased from a commercial vendor of environmental standards.

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CASE NARRATIVE

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PROJECT/SITE: PLUMBROOK ORDNANCE WORKS
WORK ORDER(S): 9188
REVIEW DATE: 11/06/00

8. All GPL QA/QC criteria were met with the exceptions of those mentioned above.

Project Manager

Lab Director

GPL LABORATORIES, LLP
ANALYTICAL RESULTS

Project Name : Plumbrook Ordnance Works

Date Printe November 6, 2000

GPL ID	Client ID
9188-002-05-1	AA0460
9188-003-05-1	AA0461
9188-004-05-1	AA0462
9188-005-05-1	AA0463
9188-006-05-1	AA0464
9188-007-05-1	AA0465
9188-008-05-1	AB0473
9188-009-05-1	AB0474
9188-012-05-1	AA0466
9188-012-05-1	AB0466
9188-010-05-1	AB3003
9188-011-06-1	AB3009
9188-002-05-1	AA0460
9188-003-05-1	AA0461
9188-004-05-1	AA0462
9188-005-05-1	AA0463
9188-006-05-1	AA0464
9188-007-05-1	AA0465
9188-008-05-1	AB0473
9188-009-05-1	AB0474
9188-012-05-1	AA0466
9188-012-05-1	AB0466
9188-010-05-1	AB3003
9188-011-06-1	AB3009
9188-002-05-1	AA0460
9188-003-05-1	AA0461
9188-004-05-1	AA0462
9188-005-05-1	AA0463
9188-006-05-1	AA0464
9188-007-05-1	AA0465
9188-008-05-1	AB0473
9188-009-05-1	AB0474
9188-012-05-1	AA0466
9188-012-05-1	AB0466
9188-010-07-1	AB3003
9188-011-09-1/2	AB3009
9188-002-04-1	AA0460
9188-002-04-1	AA0460DL
9188-003-04-1	AA0461
9188-004-04-1	AA0462
9188-004-04-1	AA0462DL
9188-005-04-1	AA0463
9188-006-04-1	AA0464
9188-007-04-1	AA0465
9188-007-04-1	AA0465DL
9188-008-04-1	AB0473
9188-009-04-1	AB0474

GPL LABORATORIES, LLP
ANALYTICAL RESULTS

Project Name : Plumbrook Ordnance Works

Date Printe November 6, 2000

GPL ID	Client ID
9188-012-04-1	AA0466
9188-012-04-1	AA0466DL
9188-002-01-1/3	AA0460
9188-003-01-1/3	AA0461
9188-004-01-1/3	AA0462
9188-005-02-2/3	AA0463
9188-006-02-2/3	AA0464
9188-007-02-2/3	AA0465
9188-008-02-2/3	AB0473
9188-009-01-1/3	AB0474
9188-012-02-2/3	AA0466
9188-001-01-1/2	09292000-TB2
9188-010-01-1/3	AB3003
9188-011-01-1/3	AB3009
9188-010-06-1	AB3003
9188-011-07-1/2	AB3009
9188-011-07-1/2	AB3009DL
9188-011-07-1/2	AB3009
9188-011-07-1/2	AB3009DL
9188-002-04-1	AA0460
9188-002-04-1	AA0460DL
9188-003-04-1	AA0461
9188-004-04-1	AA0462
9188-004-04-1	AA0462DL
9188-005-04-1	AA0463
9188-006-04-1	AA0464
9188-007-04-1	AA0465
9188-007-04-1	AA0465DL
9188-008-04-1	AB0473
9188-009-04-1	AB0474
9188-012-04-1	AA0466
9188-012-04-1	AA0466DL
9188-002-04-1	AA0460
9188-002-04-1	AA0460DL
9188-002-04-1	AA0460
9188-002-04-1	AA0460DL
9188-003-04-1	AA0461
9188-004-04-1	AA0462
9188-004-04-1	AA0462DL
9188-004-04-1	AA0462
9188-004-04-1	AA0462DL
9188-005-04-1	AA0463
9188-005-04-1	AA0463
9188-006-04-1	AA0464
9188-006-04-1	AA0464
9188-007-04-1	AA0465
9188-007-04-1	AA0465DL

GPL LABORATORIES, LLP
ANALYTICAL RESULTS

Project Name : Plumbrook Ordnance Works

Date Printe November 6, 2000

GPL ID	Client ID
9188-007-04-1	AA0465
9188-007-04-1	AA0465DL
9188-008-04-1	AB0473
9188-009-04-1	AB0474
9188-010-04-1	AB3003
9188-011-04-1/2	AB3009
9188-011-04-1/2	AB3009
9188-012-04-1	AA0466
9188-012-04-1	AA0466DL
9188-012-04-1	AA0466
9188-012-04-1	AA0466DL

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AA0460	**Prep Method:**	**Analytical Method: CLP_SOLIDS**
GPL ID: 9188-002-05-1	**Prep Date:**	**Date Analyzed: Oct-04-2000**
Matrix: Soil	**Prep Time:**	**Time Analyzed 15:30**
Date Collected: Sep-29-2000	**Prep Chemist:**	**Analyst: Roya Sabouri**
Date Received: Sep-30-2000		

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Percent Solids	87.8	0	%		1

Summary of Analytical Results

Client ID AA0461
GPL ID: 9188-003-05-1
Matrix: Soil
Date Collected: Sep-29-2000
Date Received: Sep-30-2000

Prep Method:
Prep Date:
Prep Time:
Prep Chemist:

Analytical Method: CLP_SOLIDS
Date Analyzed: Oct-04-2000
Time Analyzed 15:30
Analyst: Roya Sabouri

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Percent Solids	85.7	0	%		1

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Summary of Analytical Results

Client ID AA0462	Prep Method:	Analytical Method: CLP_SOLIDS
GPL ID: 9188-004-05-1	Prep Date:	Date Analyzed: Oct-04-2000
Matrix: Soil	Prep Time:	Time Analyzed 15:30
Date Collected: Sep-29-2000	Prep Chemist:	Analyst: Roya Sabouri
Date Received: Sep-30-2000		

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Percent Solids	88.5	0	%		1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AA0463	**Prep Method:**	**Analytical Method: CLP_SOLIDS**
GPL ID: 9188-005-05-1	**Prep Date:**	**Date Analyzed: Oct-04-2000**
Matrix: Soil	**Prep Time:**	**Time Analyzed 15:30**
Date Collected: Sep-29-2000	**Prep Chemist:**	**Analyst: Roya Sabouri**
Date Received: Sep-30-2000		

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Percent Solids	88.2	0	%		1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AA0464	**Prep Method:**	**Analytical Method: CLP_SOLIDS**
GPL ID: 9188-006-05-1	**Prep Date:**	**Date Analyzed: Oct-04-2000**
Matrix: Soil	**Prep Time:**	**Time Analyzed 15:30**
Date Collected: Sep-29-2000	**Prep Chemist:**	**Analyst: Roya Sabouri**
Date Received: Sep-30-2000		

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Percent Solids	86.2	0	%		1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AA0465	Prep Method:	Analytical Method: CLP_SOLIDS
GPL ID: 9188-007-05-1	Prep Date:	Date Analyzed: Oct-04-2000
Matrix: Soil	Prep Time:	Time Analyzed 15:30
Date Collected: Sep-29-2000	Prep Chemist:	Analyst: Roya Sabouri
Date Received: Sep-30-2000		

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Percent Solids	94.0	0	%		1

Summary of Analytical Results

Client ID AB0473
GPL ID: 9188-008-05-1
Matrix: Soil
Date Collected: Sep-29-2000
Date Received: Sep-30-2000

Prep Method:
Prep Date:
Prep Time:
Prep Chemist:

Analytical Method: CLP_SOLIDS
Date Analyzed: Oct-04-2000
Time Analyzed 15:30
Analyst: Roya Sabouri

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Percent Solids	82.0	0	%		1

Summary of Analytical Results

Client ID AB0474	Prep Method:	Analytical Method: CLP_SOLIDS
GPL ID: 9188-009-05-1	Prep Date:	Date Analyzed: Oct-04-2000
Matrix: Soil	Prep Time:	Time Analyzed 15:30
Date Collected: Sep-29-2000	Prep Chemist:	Analyst: Roya Sabouri
Date Received: Sep-30-2000		

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Percent Solids	86.7	0	%		1

Summary of Analytical Results

Client ID AA0466	**Prep Method:**	**Analytical Method: CLP_SOLIDS**
GPL ID: 9188-012-05-1	**Prep Date:**	**Date Analyzed: Oct-04-2000**
Matrix: Soil	**Prep Time:**	**Time Analyzed 15:30**
Date Collected: Sep-28-2000	**Prep Chemist:**	**Analyst: Roya Sabouri**
Date Received: Sep-30-2000		

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Percent Solids	82.2	0	%		1

Summary of Analytical Results

Client ID AB3003
GPL ID: 9188-010-05-1
Matrix: Water
Date Collected: Sep-28-2000
Date Received: Sep-30-2000

Prep Method: SW3010A
Prep Date: Nov-03-2000
Prep Time: 08:21
Prep Chemist: Teshome Tamitre

Analytical Method: SW6010B
Date Analyzed: Nov-04-2000
Time Analyzed 21:21
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	9370	200	ug/L		1
Antimony	BQL	6	ug/L	U	1
Arsenic	11.0	5	ug/L		1
Barium	178	5	ug/L		1
Beryllium	0.766	1	ug/L	B	1
Cadmium	BQL	3	ug/L	U	1
Calcium	223000	500	ug/L		1
Chromium	32.2	5	ug/L		1
Cobalt	13.5	5	ug/L		1
Copper	29.7	5	ug/L		1
Iron	47100	100	ug/L		1
Lead	241	3	ug/L		1
Magnesium	43600	250	ug/L		1
Manganese	1070	5	ug/L		1
Nickel	52.5	5	ug/L		1
Potassium	5080	250	ug/L		1
Selenium	BQL	5	ug/L	U	1
Silver	BQL	3	ug/L	U	1
Sodium	2730	1000	ug/L		1
Thallium	BQL	10	ug/L	U	1
Vanadium	49.3	5	ug/L		1
Zinc	162	15	ug/L		1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB3009
GPL ID: 9188-011-06-1
Matrix: Water
Date Collected: Sep-29-2000
Date Received: Sep-30-2000

Prep Method: SW3010A
Prep Date: Nov-03-2000
Prep Time: 08:21
Prep Chemist: Teshome Tamitre

Analytical Method: SW6010B
Date Analyzed: Nov-05-2000
Time Analyzed 11:47
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	221000	200	ug/L		50
Antimony	BQL	6	ug/L	U	50
Arsenic	432	5	ug/L		50
Barium	3540	5	ug/L		50
Beryllium	17.2	1	ug/L	B	50
Cadmium	BQL	3	ug/L	U	50
Calcium	2664000	500	ug/L		50
Chromium	450	5	ug/L		50
Cobalt	471	5	ug/L		50
Copper	1110	5	ug/L		50
Iron	979000	100	ug/L		50
Lead	1460	3	ug/L		50
Magnesium	726000	250	ug/L		50
Manganese	38100	5	ug/L		50
Nickel	1540	5	ug/L		50
Potassium	32500	250	ug/L		50
Selenium	202	5	ug/L	B	50
Silver	BQL	3	ug/L	U	50
Sodium	28100	1000	ug/L	B	50
Thallium	BQL	10	ug/L	U	50
Vanadium	647	5	ug/L		50
Zinc	3960	15	ug/L		50

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AA0460
GPL ID: 9188-002-05-1
Matrix: Soil
Date Collected: Sep-29-2000
Date Received: Sep-30-2000

Prep Method: SW3050B
Prep Date: Oct-27-2000
Prep Time: 11:57
Prep Chemist: Rekha Patel

Analytical Method: SW6010B
Date Analyzed: Nov-04-2000
Time Analyzed 02:54
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	9060	43.8	mg/kg		2
Antimony	BQL	1.32	mg/kg	U	2
Arsenic	20.3	1.1	mg/kg		2
Barium	16.5	1.1	mg/kg		2
Beryllium	0.758	0.219	mg/kg		2
Cadmium	BQL	0.657	mg/kg	U	2
Calcium	47900	110	mg/kg		2
Chromium	11.6	1.1	mg/kg		2
Cobalt	6.31	1.1	mg/kg		2
Copper	27.9	1.1	mg/kg		2
Iron	44800	21.9	mg/kg		2
Lead	38.6	0.657	mg/kg		2
Magnesium	19100	54.8	mg/kg		2
Manganese	834	1.1	mg/kg		2
Nickel	22.9	1.1	mg/kg		2
Potassium	2260	54.8	mg/kg		2
Selenium	BQL	1.1	mg/kg	U	2
Silver	BQL	0.657	mg/kg	U	2
Sodium	223	219	mg/kg		2
Thallium	1.34	2.19	mg/kg	B	2
Vanadium	24.1	1.1	mg/kg		2
Zinc	234	3.29	mg/kg		2

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AA0461
GPL ID: 9188-003-05-1
Matrix: Soil
Date Collected: Sep-29-2000
Date Received: Sep-30-2000

Prep Method: SW3050B
Prep Date: Oct-27-2000
Prep Time: 11:57
Prep Chemist: Rekha Patel

Analytical Method: SW6010B
Date Analyzed: Nov-04-2000
Time Analyzed 03:01
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	5970	46.7	mg/kg		2
Antimony	BQL	1.4	mg/kg	U	2
Arsenic	4.09	1.17	mg/kg		2
Barium	27.7	1.17	mg/kg		2
Beryllium	0.448	0.233	mg/kg		2
Cadmium	0.494	0.7	mg/kg	B	2
Calcium	24300	117	mg/kg		2
Chromium	9.93	1.17	mg/kg		2
Cobalt	5.48	1.17	mg/kg		2
Copper	9.41	1.17	mg/kg		2
Iron	9800	23.3	mg/kg		2
Lead	35.0	0.7	mg/kg		2
Magnesium	3030	58.3	mg/kg		2
Manganese	418	1.17	mg/kg		2
Nickel	14.8	1.17	mg/kg		2
Potassium	413	58.3	mg/kg		2
Selenium	BQL	1.17	mg/kg	U	2
Silver	BQL	0.7	mg/kg	U	2
Sodium	175	233	mg/kg	B	2
Thallium	BQL	2.33	mg/kg	U	2
Vanadium	13.8	1.17	mg/kg		2
Zinc	104	3.5	mg/kg		2

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AA0462
GPL ID: 9188-004-05-1
Matrix: Soil
Date Collected: Sep-29-2000
Date Received: Sep-30-2000

Prep Method: SW3050B
Prep Date: Oct-27-2000
Prep Time: 11:57
Prep Chemist: Rekha Patel

Analytical Method: SW6010B
Date Analyzed: Nov-04-2000
Time Analyzed 03:08
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	4840	44.3	mg/kg		2
Antimony	0.669	1.33	mg/kg	B	2
Arsenic	10.4	1.11	mg/kg		2
Barium	73.3	1.11	mg/kg		2
Beryllium	0.503	0.221	mg/kg		2
Cadmium	0.494	0.664	mg/kg	B	2
Calcium	97600	111	mg/kg		2
Chromium	9.01	1.11	mg/kg		2
Cobalt	7.48	1.11	mg/kg		2
Copper	30.7	1.11	mg/kg		2
Iron	14200	22.1	mg/kg		2
Lead	108	0.664	mg/kg		2
Magnesium	11900	55.4	mg/kg		2
Manganese	567	1.11	mg/kg		2
Nickel	23.7	1.11	mg/kg		2
Potassium	940	55.4	mg/kg		2
Selenium	1.84	1.11	mg/kg		2
Silver	BQL	0.664	mg/kg	U	2
Sodium	202	221	mg/kg	B	2
Thallium	BQL	2.22	mg/kg	U	2
Vanadium	15.7	1.11	mg/kg		2
Zinc	146	3.32	mg/kg		2

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AA0463
GPL ID: 9188-005-05-1
Matrix: Soil
Date Collected: Sep-29-2000
Date Received: Sep-30-2000

Prep Method: SW3050B
Prep Date: Oct-27-2000
Prep Time: 11:57
Prep Chemist: Rekha Patel

Analytical Method: SW6010B
Date Analyzed: Nov-04-2000
Time Analyzed 03:14
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	11000	42.8	mg/kg		2
Antimony	BQL	1.28	mg/kg	U	2
Arsenic	7.52	1.07	mg/kg		2
Barium	23.0	1.07	mg/kg		2
Beryllium	0.610	0.214	mg/kg		2
Cadmium	BQL	0.642	mg/kg	U	2
Calcium	30400	107	mg/kg		2
Chromium	19.6	1.07	mg/kg		2
Cobalt	12.9	1.07	mg/kg		2
Copper	12.8	1.07	mg/kg		2
Iron	18400	21.4	mg/kg		2
Lead	22.5	0.642	mg/kg		2
Magnesium	6600	53.5	mg/kg		2
Manganese	336	1.07	mg/kg		2
Nickel	35.4	1.07	mg/kg		2
Potassium	3190	53.5	mg/kg		2
Selenium	BQL	1.07	mg/kg	U	2
Silver	BQL	0.642	mg/kg	U	2
Sodium	338	214	mg/kg		2
Thallium	BQL	2.14	mg/kg	U	2
Vanadium	19.1	1.07	mg/kg		2
Zinc	45.5	3.21	mg/kg		2

Summary of Analytical Results

Client ID AA0464
GPL ID: 9188-006-05-1
Matrix: Soil
Date Collected: Sep-29-2000
Date Received: Sep-30-2000

Prep Method: SW3050B
Prep Date: Oct-27-2000
Prep Time: 11:57
Prep Chemist: Rekha Patel

Analytical Method: SW6010B
Date Analyzed: Nov-04-2000
Time Analyzed 03:21
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	13200	43.8	mg/kg		2
Antimony	BQL	1.31	mg/kg	U	2
Arsenic	11.0	1.09	mg/kg		2
Barium	21.2	1.09	mg/kg		2
Beryllium	0.707	0.219	mg/kg		2
Cadmium	BQL	0.657	mg/kg	U	2
Calcium	47300	109	mg/kg		2
Chromium	24.2	1.09	mg/kg		2
Cobalt	18.7	1.09	mg/kg		2
Copper	14.6	1.09	mg/kg		2
Iron	24500	21.9	mg/kg		2
Lead	6.65	0.657	mg/kg		2
Magnesium	8980	54.7	mg/kg		2
Manganese	501	1.09	mg/kg		2
Nickel	50.6	1.09	mg/kg		2
Potassium	3660	54.7	mg/kg		2
Selenium	BQL	1.09	mg/kg	U	2
Silver	BQL	0.657	mg/kg	U	2
Sodium	324	219	mg/kg		2
Thallium	BQL	2.19	mg/kg	U	2
Vanadium	18.9	1.09	mg/kg		2
Zinc	41.0	3.28	mg/kg		2

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AA0465
GPL ID: 9188-007-05-1
Matrix: Soil
Date Collected: Sep-29-2000
Date Received: Sep-30-2000

Prep Method: SW3050B
Prep Date: Oct-27-2000
Prep Time: 11:57
Prep Chemist: Rekha Patel

Analytical Method: SW6010B
Date Analyzed: Nov-04-2000
Time Analyzed 03:28
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	4940	41.7	mg/kg		2
Antimony	1.60	1.25	mg/kg		2
Arsenic	23.2	1.04	mg/kg		2
Barium	21.3	1.04	mg/kg		2
Beryllium	0.796	0.209	mg/kg		2
Cadmium	BQL	0.626	mg/kg	U	2
Calcium	1180	104	mg/kg		2
Chromium	13.6	1.04	mg/kg		2
Cobalt	9.95	1.04	mg/kg		2
Copper	93.8	1.04	mg/kg		2
Iron	38400	20.9	mg/kg		2
Lead	32.8	0.626	mg/kg		2
Magnesium	737	52.1	mg/kg		2
Manganese	40.4	1.04	mg/kg		2
Nickel	48.5	1.04	mg/kg		2
Potassium	2240	52.1	mg/kg		2
Selenium	2.05	1.04	mg/kg		2
Silver	BQL	0.626	mg/kg	U	2
Sodium	92.1	209	mg/kg	B	2
Thallium	2.38	2.09	mg/kg		2
Vanadium	26.2	1.04	mg/kg		2
Zinc	133	3.13	mg/kg		2

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Summary of Analytical Results

Client ID AB0473
GPL ID: 9188-008-05-1
Matrix: Soil
Date Collected: Sep-29-2000
Date Received: Sep-30-2000

Prep Method: SW3050B
Prep Date: Oct-27-2000
Prep Time: 11:57
Prep Chemist: Rekha Patel

Analytical Method: SW6010B
Date Analyzed: Nov-04-2000
Time Analyzed 03:55
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	11000	48.3	mg/kg		2
Antimony	BQL	1.45	mg/kg	U	2
Arsenic	18.5	1.21	mg/kg		2
Barium	62.3	1.21	mg/kg		2
Beryllium	0.683	0.241	mg/kg		2
Cadmium	BQL	0.724	mg/kg	U	2
Calcium	34700	121	mg/kg		2
Chromium	17.2	1.21	mg/kg		2
Cobalt	10.8	1.21	mg/kg		2
Copper	29.7	1.21	mg/kg		2
Iron	27600	24.1	mg/kg		2
Lead	14.6	0.724	mg/kg		2
Magnesium	10300	60.4	mg/kg		2
Manganese	295	1.21	mg/kg		2
Nickel	31.9	1.21	mg/kg		2
Potassium	2690	60.4	mg/kg		2
Selenium	BQL	1.21	mg/kg	U	2
Silver	BQL	0.724	mg/kg	U	2
Sodium	264	241	mg/kg		2
Thallium	BQL	2.42	mg/kg	U	2
Vanadium	20.9	1.21	mg/kg		2
Zinc	91.4	3.62	mg/kg		2

Summary of Analytical Results

Client ID AB0474
GPL ID: 9188-009-05-1
Matrix: Soil
Date Collected: Sep-29-2000
Date Received: Sep-30-2000

Prep Method: SW3050B
Prep Date: Oct-27-2000
Prep Time: 11:57
Prep Chemist: Rekha Patel

Analytical Method: SW6010B
Date Analyzed: Nov-04-2000
Time Analyzed 04:02
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	10800	45.7	mg/kg		2
Antimony	1.15	1.37	mg/kg	B	2
Arsenic	13.2	1.14	mg/kg		2
Barium	43.0	1.14	mg/kg		2
Beryllium	0.633	0.229	mg/kg		2
Cadmium	BQL	0.686	mg/kg	U	2
Calcium	50800	114	mg/kg		2
Chromium	17.3	1.14	mg/kg		2
Cobalt	12.1	1.14	mg/kg		2
Copper	27.2	1.14	mg/kg		2
Iron	25600	22.9	mg/kg		2
Lead	13.4	0.686	mg/kg		2
Magnesium	14000	57.1	mg/kg		2
Manganese	426	1.14	mg/kg		2
Nickel	33.0	1.14	mg/kg		2
Potassium	2830	57.1	mg/kg		2
Selenium	BQL	1.14	mg/kg	U	2
Silver	BQL	0.686	mg/kg	U	2
Sodium	253	229	mg/kg		2
Thallium	BQL	2.29	mg/kg	U	2
Vanadium	19.8	1.14	mg/kg		2
Zinc	83.9	3.43	mg/kg		2

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Summary of Analytical Results

AA MM 12/1/00

Client ID ~~AB~~0466
GPL ID: 9188-012-05-1
Matrix: Soil
Date Collected: Sep-28-2000
Date Received: Sep-30-2000

Prep Method: SW3050B
Prep Date: Oct-27-2000
Prep Time: 11:57
Prep Chemist: Rekha Patel

Analytical Method: SW6010B
Date Analyzed: Nov-04-2000
Time Analyzed 04:09
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	3170	46.8	mg/kg		2
Antimony	1.78	1.4	mg/kg		2
Arsenic	12.6	1.17	mg/kg		2
Barium	66.6	1.17	mg/kg		2
Beryllium	0.372	0.234	mg/kg		2
Cadmium	BQL	0.702	mg/kg	U	2
Calcium	1600	117	mg/kg		2
Chromium	7.01	1.17	mg/kg		2
Cobalt	5.88	1.17	mg/kg		2
Copper	26.5	1.17	mg/kg		2
Iron	15000	23.4	mg/kg		2
Lead	257	0.702	mg/kg		2
Magnesium	721	58.5	mg/kg		2
Manganese	47.4	1.17	mg/kg		2
Nickel	21.4	1.17	mg/kg		2
Potassium	1560	58.5	mg/kg		2
Selenium	0.970	1.17	mg/kg	B	2
Silver	BQL	0.702	mg/kg	U	2
Sodium	182	234	mg/kg	B	2
Thallium	BQL	2.34	mg/kg	U	2
Vanadium	16.2	1.17	mg/kg		2
Zinc	27.5	3.51	mg/kg		2

Summary of Analytical Results

Client ID AB3003
GPL ID: 9188-010-05-1
Matrix: Water
Date Collected: Sep-28-2000
Date Received: Sep-30-2000

Prep Method: SW7470A_DIG
Prep Date: Oct-12-2000
Prep Time: 10:25
Prep Chemist: Kelvin Choi

Analytical Method: SW7470A
Date Analyzed: Oct-13-2000
Time Analyzed 15:14
Analyst: Kelvin Choi

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	BQL	0.2	ug/L	U	1

Summary of Analytical Results

Client ID AB3009
GPL ID: 9188-011-06-1
Matrix: Water
Date Collected: Sep-29-2000
Date Received: Sep-30-2000

Prep Method: SW7470A_DIG
Prep Date: Oct-12-2000
Prep Time: 10:25
Prep Chemist: Kelvin Choi

Analytical Method: SW7470A
Date Analyzed: Oct-13-2000
Time Analyzed 15:22
Analyst: Kelvin Choi

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	BQL	0.2	ug/L	U	1

Summary of Analytical Results

Client ID AA0460
GPL ID: 9188-002-05-1
Matrix: Soil
Date Collected: Sep-29-2000
Date Received: Sep-30-2000

Prep Method: SW7471_DIG
Prep Date: Oct-17-2000
Prep Time: 12:30
Prep Chemist: Kelvin Choi

Analytical Method: SW7471A
Date Analyzed: Oct-18-2000
Time Analyzed 11:19
Analyst: Kelvin Choi

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	BQL	0.036	mg/kg	U	1

Summary of Analytical Results

Client ID AA0461
GPL ID: 9188-003-05-1
Matrix: Soil
Date Collected: Sep-29-2000
Date Received: Sep-30-2000

Prep Method: SW7471_DIG
Prep Date: Oct-17-2000
Prep Time: 12:30
Prep Chemist: Kelvin Choi

Analytical Method: SW7471A
Date Analyzed: Oct-18-2000
Time Analyzed 11:27
Analyst: Kelvin Choi

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	0.033	0.038	mg/kg	B	1

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Summary of Analytical Results

Client ID AA0462
GPL ID: 9188-004-05-1
Matrix: Soil
Date Collected: Sep-29-2000
Date Received: Sep-30-2000

Prep Method: SW7471_DIG
Prep Date: Oct-17-2000
Prep Time: 12:30
Prep Chemist: Kelvin Choi

Analytical Method: SW7471A
Date Analyzed: Oct-18-2000
Time Analyzed 11:36
Analyst: Kelvin Choi

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	0.084	0.036	mg/kg		1

Summary of Analytical Results

Client ID AA0463
GPL ID: 9188-005-05-1
Matrix: Soil
Date Collected: Sep-29-2000
Date Received: Sep-30-2000

Prep Method: SW7471_DIG
Prep Date: Oct-17-2000
Prep Time: 12:30
Prep Chemist: Kelvin Choi

Analytical Method: SW7471A
Date Analyzed: Oct-18-2000
Time Analyzed 11:38
Analyst: Kelvin Choi

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	0.034	0.035	mg/kg	B	1

Summary of Analytical Results

Client ID AA0464
GPL ID: 9188-006-05-1
Matrix: Soil
Date Collected: Sep-29-2000
Date Received: Sep-30-2000

Prep Method: SW7471_DIG
Prep Date: Oct-17-2000
Prep Time: 12:30
Prep Chemist: Kelvin Choi

Analytical Method: SW7471A
Date Analyzed: Oct-18-2000
Time Analyzed 11:41
Analyst: Kelvin Choi

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	BQL	0.037	mg/kg	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AA0465
GPL ID: 9188-007-05-1
Matrix: Soil
Date Collected: Sep-29-2000
Date Received: Sep-30-2000

Prep Method: SW7471_DIG
Prep Date: Oct-17-2000
Prep Time: 12:30
Prep Chemist: Kelvin Choi

Analytical Method: SW7471A
Date Analyzed: Oct-18-2000
Time Analyzed 11:43
Analyst: Kelvin Choi

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	0.068	0.033	mg/kg		1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB0473
GPL ID: 9188-008-05-1
Matrix: Soil
Date Collected: Sep-29-2000
Date Received: Sep-30-2000

Prep Method: SW7471_DIG
Prep Date: Oct-17-2000
Prep Time: 12:30
Prep Chemist: Kelvin Choi

Analytical Method: SW7471A
Date Analyzed: Oct-18-2000
Time Analyzed 11:46
Analyst: Kelvin Choi

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	0.019	0.037	mg/kg	B	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB0474
GPL ID: 9188-009-05-1
Matrix: Soil
Date Collected: Sep-29-2000
Date Received: Sep-30-2000

Prep Method: SW7471_DIG
Prep Date: Oct-17-2000
Prep Time: 12:30
Prep Chemist: Kelvin Choi

Analytical Method: SW7471A
Date Analyzed: Oct-18-2000
Time Analyzed 11:49
Analyst: Kelvin Choi

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	0.019	0.033	mg/kg	B	1

38

Summary of Analytical Results

Client ID AA0466
GPL ID: 9188-012-05-1
Matrix: Soil
Date Collected: Sep-28-2000
Date Received: Sep-30-2000

Prep Method: SW7471_DIG
Prep Date: Oct-17-2000
Prep Time: 12:30
Prep Chemist: Kelvin Choi

Analytical Method: SW7471A
Date Analyzed: Oct-18-2000
Time Analyzed 11:51
Analyst: Kelvin Choi

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	0.067	0.036	mg/kg		1

TOTAL METALS

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BLANKS

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 09188S

Preparation Blank Matrix (soil/water): SOIL

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Aluminum	55.2	U	55.2	U	55.2	U	55.2	U	5.520	U	P
Antimony	2.7	U	2.7	U	2.7	U	2.7	U	0.270	U	P
Arsenic	4.0	U	4.0	U	4.6	B	4.0	B	0.400	U	P
Barium	0.5	U	0.5	U	0.5	U	0.5	U	0.076	B	P
Beryllium	0.1	U	0.1	U	0.1	U	0.1	U	0.010	U	P
Cadmium	0.4	U	0.4	U	0.4	U	0.4	U	0.040	U	P
Calcium	140.0	U	140.0	U	140.0	U	140.0	U	14.743	B	P
Chromium	0.6	U	0.6	U	0.6	U	0.6	U	0.060	U	P
Cobalt	1.3	U	1.3	U	1.3	U	1.3	U	0.130	U	P
Copper	1.0	U	1.0	U	1.0	U	1.0	U	0.158	B	P
Iron	17.7	U	17.7	U	17.7	U	19.4	B	2.679	B	P
Lead	1.3	U	1.3	U	1.3	U	1.4	B	0.131	B	P
Magnesium	6.0	U	16.5	B	12.5	B	31.4	B	2.860	B	P
Manganese	0.2	U	0.2	U	0.2	U	0.2	U	0.111	B	P
Mercury	0.1	U	0.1	U	0.1	U	0.1	U	0.017	U	CV
Nickel	1.0	U	1.0	U	1.0	U	1.0	U	0.100	U	P
Potassium	11.9	U	11.9	U	11.9	U	11.9	U	4.995	B	P
Selenium	3.3	U	3.3	U	3.3	U	3.3	U	0.330	U	P
Silver	1.8	U	1.8	U	1.8	U	1.8	U	0.180	U	P
Sodium	250.0	U	250.0	U	250.0	U	250.0	U	58.221	B	P
Thallium	5.0	U	5.0	U	5.0	U	5.0	U	-0.580	B	P
Vanadium	1.1	U	1.1	U	1.1	U	1.1	U	0.110	U	P
Zinc	4.2	U	4.2	U	4.2	U	4.2	U	0.420	U	P

5021

TOTAL METALS

-3-

BLANKS

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 09188S

Preparation Blank Matrix (soil/water): SOIL

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Aluminum			55.2	U	55.2	U	55.2	U			P
Antimony			2.7	U	2.7	U	2.7	U			P
Arsenic			4.0	U	4.0	U	4.0	U			P
Barium			0.5	U	0.5	U	0.5	U			P
Beryllium			0.1	U	0.1	U	0.1	U			P
Cadmium			0.4	U	0.4	U	0.4	U			P
Calcium			140.0	U	140.0	U	140.0	U			P
Chromium			0.6	U	0.6	U	0.6	U			P
Cobalt			1.3	U	1.3	U	1.3	U			P
Copper			1.5	B	1.0	U	1.1	B			P
Iron			17.7	U	17.7	U	17.7	U			P
Lead			1.3	U	2.6	B	1.3	U			P
Magnesium			23.7	B	22.9	B	13.9	B			P
Manganese			0.2	B	0.2	U	0.2	U			P
Mercury			0.1	U	0.1	U	0.1	U	0.017	U	CV
Nickel			1.6	B	1.1	B	1.0	U			P
Potassium			13.1	B	11.9	U	18.3	B			P
Selenium			3.3	U	3.3	U	3.3	U			P
Silver			1.8	U	1.8	U	1.8	U			P
Sodium			250.0	U	250.0	U	250.0	U			P
Thallium			5.0	U	5.0	U	5.0	U			P
Vanadium			1.1	U	1.1	U	1.1	U			P
Zinc			4.2	U	4.2	U	4.2	U			P

5022

TOTAL METALS

-3-

BLANKS

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 09188S

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Aluminum			55.2	U	55.2	U	55.2	U			P
Antimony			2.7	U	2.7	U	2.7	U			P
Arsenic			4.0	U	4.0	U	4.0	U			P
Barium			0.5	U	0.5	U	0.5	U			P
Beryllium			0.1	U	0.1	U	0.1	U			P
Cadmium			0.4	U	0.4	U	0.4	U			P
Calcium			140.0	U	140.0	U	140.0	U			P
Chromium			-0.6	B	0.6	U	0.6	U			P
Cobalt			1.3	U	1.3	U	1.3	U			P
Copper			1.0	U	1.0	U	1.0	U			P
Iron			17.7	U	17.7	U	17.7	U			P
Lead			1.3	U	1.4	B	1.5	B			P
Magnesium			14.7	B	25.6	B	17.2	B			P
Manganese			0.2	U	0.2	U	0.2	U			P
Nickel			1.0	U	1.0	U	1.4	B			P
Potassium			24.7	B	17.1	B	14.4	B			P
Selenium			3.3	U	3.3	U	3.3	U			P
Silver			1.8	U	1.8	U	1.8	U			P
Sodium			250.0	U	250.0	U	250.0	U			P
Thallium			5.0	U	5.0	U	5.0	U			P
Vanadium			1.1	U	1.1	U	1.1	U			P
Zinc			4.2	U	4.2	U	4.2	U			P

5023

TOTAL METALS

-3-

BLANKS

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 09188S

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Aluminum			55.2	U	55.2	U	55.2	U			P
Antimony			2.7	U	2.7	U	2.7	U			P
Arsenic			4.4	B	4.0	U	4.0	U			P
Barium			0.5	U	0.5	U	0.5	U			P
Beryllium			0.1	U	0.1	U	0.1	U			P
Cadmium			0.4	U	0.4	U	0.4	U			P
Calcium			140.0	U	140.0	U	140.0	U			P
Chromium			0.6	U	-1.1	B	0.6	U			P
Cobalt			1.3	U	1.3	U	1.3	U			P
Copper			1.0	U	1.0	U	1.0	U			P
Iron			23.5	B	17.7	U	17.7	U			P
Lead			1.3	U	1.3	U	1.3	U			P
Magnesium			31.1	B	22.0	B	28.3	B			P
Manganese			0.4	B	0.2	U	0.3	B			P
Nickel			1.0	U	1.0	U	1.0	U			P
Potassium			14.2	B	14.9	B	11.9	U			P
Selenium			3.3	U	3.3	U	3.3	U			P
Silver			1.8	U	1.8	U	1.8	U			P
Sodium			250.0	U	250.0	U	250.0	U			P
Thallium			5.0	U	5.0	U	5.0	U			P
Vanadium			1.1	U	1.1	U	1.1	U			P
Zinc			4.2	U	4.2	U	4.2	U			P

5024

TOTAL METALS

-3-

BLANKS

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 09188S

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Aluminum			55.2	U	55.2	U					P
Antimony			2.7	U	2.7	U					P
Arsenic			4.0	U	4.0	U					P
Barium			0.5	U	0.5	U					P
Beryllium			0.1	U	0.1	U					P
Cadmium			0.4	U	0.4	U					P
Calcium			140.0	U	140.0	U					P
Chromium			0.6	U	0.6	U					P
Cobalt			1.3	U	1.3	U					P
Copper			1.0	U	1.0	U					P
Iron			17.7	U	26.6	B					P
Lead			1.4	B	1.8	B					P
Magnesium			15.4	B	59.6	B					P
Manganese			0.2	U	0.2	U					P
Nickel			1.0	U	1.0	U					P
Potassium			11.9	U	11.9	U					P
Selenium			3.3	U	3.3	U					P
Silver			1.8	U	1.8	U					P
Sodium			-257.7	B	250.0	U					P
Thallium			5.0	U	5.0	U					P
Vanadium			1.1	U	1.1	U					P
Zinc			4.2	U	4.2	U					P

5025

TOTAL METALS
-5A-
SPIKE SAMPLE RECOVERY

SAMPLE NO.

0009180-04S

Contract:

Lab Code: Case No.: SAS SDG NO.: 09188S

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 89.9

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

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Mercury	75 - 125	0.5443		0.0206	B	0.55	95.2		CV

Comments:

5027

TOTAL METALS
-5A-
SPIKE SAMPLE RECOVERY

SAMPLE NO.

9184-003-03-1/1S

Contract:

Lab Code: Case No.: SAS SDG NO.: 09188S

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 79.5

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

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum		18769.1959		12370.0969		2490.82	256.9		P
Antimony	75 - 125	13.4618		1.2153	B	24.91	49.2	N	P
Arsenic	75 - 125	23.0193		9.6721		12.45	107.2		P
Barium	75 - 125	184.9678		49.4581		124.54	108.8		P
Beryllium	75 - 125	12.9679		0.4276		12.45	100.7		P
Cadmium	75 - 125	11.9914		0.0987	U	12.45	96.3		P
Calcium	75 - 125	1390.1814		157.9354		1245.41	98.9		P
Chromium	75 - 125	65.9475		12.9262		49.82	106.4		P
Cobalt	75 - 125	129.9906		7.6384		124.54	98.2		P
Copper	75 - 125	70.2423		6.7828		62.27	101.9		P
Iron		20906.2298		17151.7673		2490.82	150.7		P
Lead	75 - 125	140.6728		17.9625		124.54	98.5		P
Magnesium	75 - 125	3106.0897		1573.5778		1245.41	123.1		P
Manganese	75 - 125	454.3412		323.1961		124.54	105.3		P
Nickel	75 - 125	133.1818		9.3301		124.54	99.4		P
Potassium	75 - 125	2198.3464		644.0083		1245.41	124.8		P
Selenium	75 - 125	11.0857		0.8139	U	12.45	89.0		P
Silver	75 - 125	11.9961		0.4440	U	12.45	96.3		P
Sodium	75 - 125	1346.2241		76.2347	B	1245.41	102.0		P
Thallium	75 - 125	11.7077		1.2332	U	12.45	94.0		P
Vanadium	75 - 125	151.6592		22.1491		124.54	104.0		P
Zinc	75 - 125	174.8239		49.1898		124.54	100.9		P

5028

Comments:

TOTAL METALS
-5A-
SPIKE SAMPLE RECOVERY

SAMPLE NO.

AA0466S

Contract:

Lab Code: Case No.: SAS SDG NO.: 09188S

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 82.2

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

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Mercury	75 - 125	0.6338		0.0672		0.59	96.0		CV

Comments: 5029

TOTAL METALS

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DUPLICATES

SAMPLE NO.

0009180-04D

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 09188S

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 89.9 % Solids for Duplicate: 89.9

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

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Mercury		0.0206	B	0.0253	B	20.4		CV

5031

TOTAL METALS

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DUPLICATES

SAMPLE NO.

9184-003-03-1/1D

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 09188S

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 79.5 % Solids for Duplicate: 79.5

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

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum		12370.0969		12986.5786		4.9		P
Antimony		1.2153	B	0.8346	B	37.1		P
Arsenic		9.6721		9.5106		1.7		P
Barium		49.4581		51.8951		4.8		P
Beryllium	0.2	0.4276		0.4368		2.1		P
Cadmium		0.0987	U	0.0996	U			P
Calcium	124.5	157.9354		174.6713		10.1		P
Chromium		12.9262		13.6286		5.3		P
Cobalt		7.6384		7.5398		1.3		P
Copper		6.7828		7.5685		10.9		P
Iron		17151.7673		16964.3317		1.1		P
Lead		17.9625		18.4774		2.8		P
Magnesium		1573.5778		1647.7956		4.6		P
Manganese		323.1961		310.8868		3.9		P
Nickel		9.3301		9.8871		5.8		P
Potassium		644.0083		705.1938		9.1		P
Selenium		0.8139	U	0.9291	B	200.0		P
Silver		0.4440	U	0.4483	U			P
Sodium		76.2347	B	109.1333	B	35.5		P
Thallium		1.2332	U	1.2454	U			P
Vanadium		22.1491		22.8353		3.1		P
Zinc		49.1898		50.9420		3.5		P

5032

TOTAL METALS

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DUPLICATES

SAMPLE NO.

AA0466D

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 09188S

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 82.2 % Solids for Duplicate: 82.2

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

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Mercury	0.0	0.0672		0.0443		41.0		CV

5033

TOTAL METALS

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LABORATORY CONTROL SAMPLE

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 09188S

Solid LCS Source: HIGH PURITY

Aqueous LCS Source:

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Aluminum				2000.0	1956.6		1600.0	2400.0	97.8
Antimony				20.0	19.5		16.0	24.0	97.6
Arsenic				10.0	10.1		8.0	12.0	100.9
Barium				100.0	99.3		80.0	120.0	99.3
Beryllium				10.0	9.9		8.0	12.0	99.0
Cadmium				10.0	9.7		8.0	12.0	96.8
Calcium				1000.0	948.1		800.0	1200.0	94.8
Chromium				40.0	39.2		32.0	48.0	98.1
Cobalt				100.0	96.7		80.0	120.0	96.7
Copper				50.0	49.7		40.0	60.0	99.3
Iron				2000.0	1895.8		1600.0	2400.0	94.8
Lead				100.0	97.4		80.0	120.0	97.4
Magnesium				1000.0	969.5		800.0	1200.0	97.0
Manganese				100.0	98.0		80.0	120.0	98.0
Mercury				0.5	0.5		0.4	0.6	101.0
Nickel				100.0	97.2		80.0	120.0	97.2
Potassium				1000.0	985.6		800.0	1200.0	98.6
Selenium				10.0	9.6		8.0	12.0	96.0
Silver				10.0	9.7		8.0	12.0	97.0
Sodium				1000.0	1056.4		800.0	1200.0	105.6
Thallium				10.0	8.3		8.0	12.0	82.5
Vanadium				100.0	97.8		80.0	120.0	97.8
Zinc				100.0	96.6		80.0	120.0	96.5

5034

TOTAL METALS
-7-
LABORATORY CONTROL SAMPLE

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 09188S

Solid LCS Source: HIGH PURITY

Aqueous LCS Source:

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Mercury				0.5	0.5		0.4	0.6	101.0

5035

TOTAL METALS

-3-

BLANKS

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 09188W

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Aluminum	32.0	B	32.1	B	40.3	B	26.8	B	23.100	U	P
Antimony	3.7	U	4.0	B	3.7	U	3.7	U	3.700	U	P
Arsenic	3.2	U	3.2	U	3.2	U	3.2	U	3.200	U	P
Barium	0.6	U	0.6	U	0.6	U	0.6	U	0.600	U	P
Beryllium	0.1	B	0.1	B	0.1	U	0.1	U	0.100	U	P
Cadmium	0.4	U	0.4	U	0.4	U	0.4	U	0.400	U	P
Calcium	104.0	U	104.0	U	104.0	U	104.0	U	104.000	U	P
Chromium	0.8	U	0.8	U	0.8	U	0.8	U	0.800	U	P
Cobalt	0.9	U	0.9	U	0.9	U	0.9	U	0.900	U	P
Copper	1.2	U	1.2	U	1.2	U	1.2	U	1.200	U	P
Iron	20.3	B	21.3	B	26.6	B	18.0	B	16.019	B	P
Lead	1.5	U	1.5	U	1.5	U	1.5	U	1.500	U	P
Magnesium	22.4	U	24.5	B	29.3	B	32.5	B	25.524	B	P
Manganese	0.4	U	0.4	U	0.4	U	0.4	U	0.400	U	P
Mercury	0.1	U	0.1	U	-0.1	B	0.1	U	0.100	U	CV
Nickel	2.0	U	2.0	U	2.0	U	2.0	U	2.000	U	P
Potassium	9.1	U	14.8	B	9.1	U	9.1	U	9.275	B	P
Selenium	2.3	U	2.5	B	2.3	U	3.6	B	2.300	U	P
Silver	0.7	U	0.7	U	0.7	U	-1.0	B	0.700	U	P
Sodium	198.0	U	227.2	B	198.0	U	198.0	U	198.000	U	P
Thallium	5.5	U	5.5	U	5.5	U	5.5	U	5.500	U	P
Vanadium	0.9	U	0.9	U	0.9	U	-1.0	B	0.900	U	P
Zinc	4.0	U	4.0	U	4.0	U	4.0	U	4.000	U	P

5064

TOTAL METALS

-3-

BLANKS

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 09188W

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Aluminum			23.1	U	23.1	U	23.1	U			P
Antimony			3.7	U	3.7	U	3.7	U			P
Arsenic			3.2	U	3.2	U	3.2	U			P
Barium			0.6	U	0.6	U	0.6	U			P
Beryllium			0.1	U	0.1	U	0.1	U			P
Cadmium			0.4	U	0.4	U	0.4	U			P
Calcium			104.0	U	104.0	U	104.0	U			P
Chromium			0.8	U	0.8	U	0.8	U			P
Cobalt			0.9	U	0.9	U	0.9	U			P
Copper			1.2	U	1.2	U	-1.2	B			P
Iron			21.3	B	19.8	B	15.0	U			P
Lead			1.5	U	1.5	U	1.5	U			P
Magnesium			22.4	U	22.4	U	22.4	U			P
Manganese			0.4	U	0.4	U	0.4	U			P
Mercury			0.1	U							CV
Nickel			2.0	U	2.0	U	2.0	U			P
Potassium			10.4	B	9.1	U	9.1	U			P
Selenium			2.3	B	2.3	U	2.3	U			P
Silver			0.7	U	0.7	U	0.7	U			P
Sodium			198.0	U	198.0	U	198.0	U			P
Thallium			5.5	U	5.5	U	5.5	U			P
Vanadium			0.9	U	0.9	U	-1.0	B			P
Zinc			4.0	U	4.0	U	4.0	U			P

5065

TOTAL METALS

-3-

BLANKS

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 09188W

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Aluminum			33.5	B							P
Antimony			4.2	B							P
Arsenic			3.2	U							P
Barium			0.6	U							P
Beryllium			0.1	U							P
Cadmium			0.4	U							P
Calcium			104.0	U							P
Chromium			0.8	U							P
Cobalt			0.9	U							P
Copper			1.2	U							P
Iron			20.8	B							P
Lead			1.5	U							P
Magnesium			47.9	B							P
Manganese			0.4	U							P
Nickel			2.0	U							P
Potassium			9.1	U							P
Selenium			2.3	U							P
Silver			0.7	U							P
Sodium			198.0	U							P
Thallium			5.5	U							P
Vanadium			0.9	U							P
Zinc			4.0	U							P

5066

TOTAL METALS

-3-

BLANKS

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 09188W

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C		Preparation Blank	C		M
Aluminum	23.1	U	23.1	U	27.1	B	37.8	B					P
Antimony	3.7	U	3.7	U	3.7	U	3.7	U					P
Arsenic	3.2	U	3.2	U	3.2	U	3.2	U					P
Barium	0.6	U	0.6	U	0.6	U	0.6	U					P
Beryllium	0.1	U	0.1	U	0.1	U	0.1	U					P
Cadmium	0.4	U	0.4	U	0.4	U	0.4	U					P
Calcium	104.0	U	104.0	U	104.0	U	104.0	U					P
Chromium	1.0	B	0.8	U	0.8	U	0.8	U					P
Cobalt	1.0	B	0.9	U	0.9	U	0.9	U					P
Copper	1.5	B	1.2	U	1.2	U	1.2	U					P
Iron	25.0	B	15.0	U	16.6	B	19.6	B					P
Lead	1.5	U	1.5	U	1.5	U	1.5	U					P
Magnesium	22.4	U	22.4	U	22.4	U	33.0	B					P
Manganese	0.4	U	0.4	U	0.4	U	0.4	U					P
Nickel	2.0	U	2.0	U	2.0	U	2.0	U					P
Potassium	35.5	B	13.4	B	15.4	B	9.1	U					P
Selenium	2.3	U	2.3	U	2.3	U	2.3	U					P
Silver	0.7	U	-1.0	B	-1.4	B	-1.3	B					P
Sodium	627.4	B	234.0	B	224.8	B	198.0	U					P
Thallium	5.5	U	5.5	U	5.5	U	5.5	U					P
Vanadium	1.5	B	0.9	U	0.9	U	0.9	U					P
Zinc	4.0	U	4.0	U	4.0	U	4.0	U					P

5067

TOTAL METALS
-5A-
SPIKE SAMPLE RECOVERY

SAMPLE NO.

0010046-01S

Contract:

Lab Code: Case No.: SAS SDG NO.: 09188W

Matrix (soil/water): WATER Level (low/med): LOW

% Solids for Sample: 0.0

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

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Mercury	75 - 125	1.1800		0.1000	U	1.00	118.0		CV

Comments:

5070

TOTAL METALS
-5A-
SPIKE SAMPLE RECOVERY

SAMPLE NO.

10016-014-07-1S

Contract:

Lab Code: Case No.: SAS SDG NO.: 09188W

Matrix (soil/water): WATER Level (low/med): LOW

% Solids for Sample: 0.0

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

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum	75 - 125	2093.5544		41.6487	B	2000.00	102.6		P
Antimony	75 - 125	101.4350		3.7000	U	100.00	101.4		P
Arsenic	75 - 125	39.1311		3.2000	U	40.00	97.8		P
Barium	75 - 125	2096.9795		57.5852		2000.00	102.0		P
Beryllium	75 - 125	52.0939		0.1000	U	50.00	104.2		P
Cadmium	75 - 125	50.5918		0.4000	U	50.00	101.2		P
Calcium		78786.5781		73207.5859		5000.00	111.6		P
Chromium	75 - 125	206.4712		0.8000	U	200.00	103.2		P
Cobalt	75 - 125	504.8947		1.7970	B	500.00	100.6		P
Copper	75 - 125	259.6539		2.7253	B	250.00	102.8		P
Iron	75 - 125	1125.0042		136.6116		1000.00	98.8		P
Lead	75 - 125	21.1290		1.5000	U	20.00	105.6		P
Magnesium	75 - 125	22178.1523		17023.4219		5000.00	103.1		P
Manganese	75 - 125	952.1090		438.0971		500.00	102.8		P
Nickel	75 - 125	510.4955		2.0000	U	500.00	102.1		P
Potassium	75 - 125	2159.0491		1095.9722		1000.00	106.3		P
Selenium	75 - 125	60.2860		2.3000	U	60.00	100.5		P
Silver	75 - 125	51.1713		0.8103	B	50.00	100.7		P
Sodium	75 - 125	14764.5859		9698.5176		5000.00	101.3		P
Thallium	75 - 125	47.7728		5.5000	U	50.00	95.5		P
Vanadium	75 - 125	514.7593		0.9000	U	500.00	103.0		P
Zinc	75 - 125	659.5112		150.2780		500.00	101.8		P

Comments:

5071

TOTAL METALS

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DUPLICATES

SAMPLE NO.

0010046-01D

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 09188W

Matrix (soil/water): WATER Level (low/med): LOW

% Solids for Sample: 0.0 % Solids for Duplicate:

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

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Mercury		0.1000	U	0.1000	U			CV

5072

TOTAL METALS

-6-

DUPLICATES

SAMPLE NO.

10016-014-07-1D

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 09188W

Matrix (soil/water): WATER Level (low/med): LOW

% Solids for Sample: 0.0 % Solids for Duplicate:

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

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum		41.6487	B	28.8769	B	36.2		P
Antimony		3.7000	U	3.7000	U			P
Arsenic	5.0	3.2000	U	5.0689		200.0	*	P
Barium		57.5852		57.1664		0.7		P
Beryllium		0.1000	U	0.1000	U			P
Cadmium		0.4000	U	0.4000	U			P
Calcium		73207.5859		72699.1172		0.7		P
Chromium		0.8000	U	0.9615	B	200.0		P
Cobalt		1.7970	B	1.9397	B	7.6		P
Copper		2.7253	B	2.1063	B	25.6		P
Iron	100.0	136.6116		138.8935		1.7		P
Lead		1.5000	U	1.5000	U			P
Magnesium		17023.4219		16918.6133		0.6		P
Manganese		438.0971		434.1892		0.9		P
Nickel		2.0000	U	2.0000	U			P
Potassium	250.0	1095.9722		1040.2321		5.2		P
Selenium		2.3000	U	2.3000	U			P
Silver		0.8103	B	0.7000	U	200.0		P
Sodium		9698.5176		9655.5010		0.4		P
Thallium		5.5000	U	5.5000	U			P
Vanadium		0.9000	U	0.9000	U			P
Zinc		150.2780		149.9523		0.2		P

5073

TOTAL METALS

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LABORATORY CONTROL SAMPLE

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 09188W

Solid LCS Source:

Aqueous LCS Source: HIGH PURITY

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits	%R
Aluminum	2000.0	2044.83	102.2					
Antimony	100.0	100.55	100.6					
Arsenic	40.0	38.15	95.4					
Barium	2000.0	1992.86	99.6					
Beryllium	50.0	50.89	101.8					
Cadmium	50.0	50.65	101.3					
Calcium	5000.0	5112.04	102.2					
Chromium	200.0	203.50	101.8					
Cobalt	500.0	498.46	99.7					
Copper	250.0	255.69	102.3					
Iron	1000.0	1009.70	101.0					
Lead	20.0	20.41	102.1					
Magnesium	5000.0	5058.95	101.2					
Manganese	500.0	505.72	101.1					
Mercury	1.0	1.00	100.0					
Nickel	500.0	506.20	101.2					
Potassium	1000.0	1069.20	106.9					
Selenium	60.0	61.16	101.9					
Silver	50.0	50.23	100.5					
Sodium	5000.0	5234.68	104.7					
Thallium	50.0	49.12	98.2					
Vanadium	500.0	504.69	100.9					
Zinc	500.0	508.43	101.7					

5074

Summary of Analytical Results

Client ID AB3003
GPL ID: 9188-010-07-1
Matrix: Water
Date Collected: Sep-28-2000
Date Received: Sep-30-2000

Prep Method: SW3520C
Prep Date: Oct-04-2000
Prep Time: 15:21
Prep Chemist: Veena Telhan

Analytical Method: SW8082
Date Analyzed: Oct-09-2000
Time Analyzed 14:08
Analyst: Philipos Yosief

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	1.41	ug/L	U	1
PCB-1221	BQL	1.41	ug/L	U	1
PCB-1232	BQL	1.41	ug/L	U	1
PCB-1242	BQL	1.41	ug/L	U	1
PCB-1248	BQL	1.41	ug/L	U	1
PCB-1254	BQL	1.41	ug/L	U	1
PCB-1260	BQL	2.82	ug/L	U	1

Summary of Analytical Results

Client ID AB3009
GPL ID: 9188-011-09-1/2
Matrix: Water
Date Collected: Sep-29-2000
Date Received: Sep-30-2000

Prep Method: SW3520C
Prep Date: Oct-04-2000
Prep Time: 15:21
Prep Chemist: Veena Telhan

Analytical Method: SW8082
Date Analyzed: Oct-09-2000
Time Analyzed 14:36
Analyst: Philipos Yosief

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	1.11	ug/L	U	1
PCB-1221	BQL	1.11	ug/L	U	1
PCB-1232	BQL	1.11	ug/L	U	1
PCB-1242	BQL	1.11	ug/L	U	1
PCB-1248	BQL	1.11	ug/L	U	1
PCB-1254	BQL	1.11	ug/L	U	1
PCB-1260	BQL	2.22	ug/L	U	1

Summary of Analytical Results

Client ID AA0460
GPL ID: 9188-002-04-1
Matrix: Soil
Date Collected: Sep-29-2000
Date Received: Sep-30-2000

Prep Method: SW3550
Prep Date: Oct-09-2000
Prep Time: 00:00
Prep Chemist: Veena Telhan

Analytical Method: SW8082
Date Analyzed: Oct-12-2000
Time Analyzed 11:04
Analyst: Amy Edwards

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	38	ug/kg	U	1
PCB-1221	BQL	38	ug/kg	U	1
PCB-1232	BQL	38	ug/kg	U	1
PCB-1242	BQL	38	ug/kg	U	1
PCB-1248	BQL	38	ug/kg	U	1
PCB-1254	BQL	38	ug/kg	U	1
PCB-1260	BQL	76	ug/kg	U	1

Summary of Analytical Results

Client ID AA0461
GPL ID: 9188-003-04-1
Matrix: Soil
Date Collected: Sep-29-2000
Date Received: Sep-30-2000

Prep Method: SW3550
Prep Date: Oct-09-2000
Prep Time: 00:00
Prep Chemist: Veena Telhan

Analytical Method: SW8082
Date Analyzed: Oct-12-2000
Time Analyzed 12:26
Analyst: Amy Edwards

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	38.5	ug/kg	U	1
PCB-1221	BQL	38.5	ug/kg	U	1
PCB-1232	BQL	38.5	ug/kg	U	1
PCB-1242	BQL	38.5	ug/kg	U	1
PCB-1248	BQL	38.5	ug/kg	U	1
PCB-1254	BQL	38.5	ug/kg	U	1
PCB-1260	108	77	ug/kg		1

Summary of Analytical Results

Client ID AA0462
GPL ID: 9188-004-04-1
Matrix: Soil
Date Collected: Sep-29-2000
Date Received: Sep-30-2000

Prep Method: SW3550
Prep Date: Oct-09-2000
Prep Time: 00:00
Prep Chemist: Veena Telhan

Analytical Method: SW8082
Date Analyzed: Oct-12-2000
Time Analyzed 12:53
Analyst: Amy Edwards

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	37.7	ug/kg	U	1
PCB-1221	BQL	37.7	ug/kg	U	1
PCB-1232	BQL	37.7	ug/kg	U	1
PCB-1242	BQL	37.7	ug/kg	U	1
PCB-1248	BQL	37.7	ug/kg	U	1
PCB-1254	BQL	37.7	ug/kg	U	1
PCB-1260	251	75.3	ug/kg		1

Summary of Analytical Results

Client ID AA0463
GPL ID: 9188-005-04-1
Matrix: Soil
Date Collected: Sep-29-2000
Date Received: Sep-30-2000

Prep Method: SW3550
Prep Date: Oct-09-2000
Prep Time: 00:00
Prep Chemist: Veena Telhan

Analytical Method: SW8082
Date Analyzed: Oct-12-2000
Time Analyzed 13:20
Analyst: Amy Edwards

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	37.8	ug/kg	U	1
PCB-1221	BQL	37.8	ug/kg	U	1
PCB-1232	BQL	37.8	ug/kg	U	1
PCB-1242	BQL	37.8	ug/kg	U	1
PCB-1248	BQL	37.8	ug/kg	U	1
PCB-1254	BQL	37.8	ug/kg	U	1
PCB-1260	152	75.6	ug/kg		1

Summary of Analytical Results

Client ID AA0464
GPL ID: 9188-006-04-1
Matrix: Soil
Date Collected: Sep-29-2000
Date Received: Sep-30-2000

Prep Method: SW3550
Prep Date: Oct-09-2000
Prep Time: 00:00
Prep Chemist: Veena Telhan

Analytical Method: SW8082
Date Analyzed: Oct-12-2000
Time Analyzed 13:48
Analyst: Amy Edwards

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	38.4	ug/kg	U	1
PCB-1221	BQL	38.4	ug/kg	U	1
PCB-1232	BQL	38.4	ug/kg	U	1
PCB-1242	BQL	38.4	ug/kg	U	1
PCB-1248	BQL	38.4	ug/kg	U	1
PCB-1254	BQL	38.4	ug/kg	U	1
PCB-1260	BQL	76.8	ug/kg	U	1

Summary of Analytical Results

Client ID AA0465
GPL ID: 9188-007-04-1
Matrix: Soil
Date Collected: Sep-29-2000
Date Received: Sep-30-2000

Prep Method: SW3550
Prep Date: Oct-09-2000
Prep Time: 00:00
Prep Chemist: Veena Telhan

Analytical Method: SW8082
Date Analyzed: Oct-12-2000
Time Analyzed 14:15
Analyst: Amy Edwards

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	35.5	ug/kg	U	1
PCB-1221	BQL	35.5	ug/kg	U	1
PCB-1232	BQL	35.5	ug/kg	U	1
PCB-1242	BQL	35.5	ug/kg	U	1
PCB-1248	BQL	35.5	ug/kg	U	1
PCB-1254	BQL	35.5	ug/kg	U	1
PCB-1260	BQL	70.9	ug/kg	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB0473
GPL ID: 9188-008-04-1
Matrix: Soil
Date Collected: Sep-29-2000
Date Received: Sep-30-2000

Prep Method: SW3550
Prep Date: Oct-09-2000
Prep Time: 00:00
Prep Chemist: Veena Telhan

Analytical Method: SW8082
Date Analyzed: Oct-13-2000
Time Analyzed 11:32
Analyst: Amy Edwards

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	40.5	ug/kg	U	1
PCB-1221	BQL	40.5	ug/kg	U	1
PCB-1232	BQL	40.5	ug/kg	U	1
PCB-1242	BQL	40.5	ug/kg	U	1
PCB-1248	BQL	40.5	ug/kg	U	1
PCB-1254	BQL	40.5	ug/kg	U	1
PCB-1260	BQL	81	ug/kg	U	1

Summary of Analytical Results

Client ID AB0474
GPL ID: 9188-009-04-1
Matrix: Soil
Date Collected: Sep-29-2000
Date Received: Sep-30-2000

Prep Method: SW3550
Prep Date: Oct-09-2000
Prep Time: 00:00
Prep Chemist: Veena Telhan

Analytical Method: SW8082
Date Analyzed: Oct-13-2000
Time Analyzed 12:00
Analyst: Amy Edwards

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	38.5	ug/kg	U	1
PCB-1221	BQL	38.5	ug/kg	U	1
PCB-1232	BQL	38.5	ug/kg	U	1
PCB-1242	BQL	38.5	ug/kg	U	1
PCB-1248	BQL	38.5	ug/kg	U	1
PCB-1254	BQL	38.5	ug/kg	U	1
PCB-1260	BQL	76.9	ug/kg	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AA0466
GPL ID: 9188-012-04-1
Matrix: Soil
Date Collected: Sep-28-2000
Date Received: Sep-30-2000

Prep Method: SW3550
Prep Date: Oct-09-2000
Prep Time: 00:00
Prep Chemist: Veena Telhan

Analytical Method: SW8082
Date Analyzed: Oct-13-2000
Time Analyzed 12:27
Analyst: Amy Edwards

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	40.3	ug/kg	U	1
PCB-1221	BQL	40.3	ug/kg	U	1
PCB-1232	BQL	40.3	ug/kg	U	1
PCB-1242	BQL	40.3	ug/kg	U	1
PCB-1248	BQL	40.3	ug/kg	U	1
PCB-1254	BQL	40.3	ug/kg	U	1
PCB-1260	113	80.5	ug/kg		1

2F
SOIL PESTICIDE SURROGATE RECOVERY

Lab Name: GPL LABORATORIES Contract: IT CORPORATIO

Lab Code: GPLL Case No.: 9188 SAS No.: N/A SDG No.: N/A

GC Column (1) : RTx-5 ID: 0.53 (mm) GC Column (2) : RTx-1701 ID: 0.53 (mm)

	CLIENT SAMPLE ID	TCX 1 %REC #	TCX 2 %REC #	DCB 1 %REC #	DCB 2 %REC #	TOT OUT
01	BLK7267	105	113	75	79	0
02	BKS7267	109	110	68	72	0
03	AA0460	0*	0*	47	48	2
04	AA0460 MS	0*	0*	54	50	2
05	AA0460 MSD	0*	0*	4*	67	3
06	AA0461	0*	42	32	32	1
07	AA0462	61	54	48	51	0
08	AA0463	19	18*	13*	16*	3
09	AA0464	39	49	22	26	0
10	AA0465	11*	22	47	53	1
11	AB0473	47	65	47	50	0
12	AB0474	57	64	49	56	0
13	AA0466	0*	36	42	45	1

			ADVISORY QC LIMITS
TCX	=	Tetrachloro-m-xylene	(19-191)
DCB	=	Decachlorobiphenyl	(21-155)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogate diluted out

3003

2E
WATER PESTICIDE SURROGATE RECOVERY

Lab Name: GPL LABORATORIES, LLLP Project: PARSONS ENG.

Lab Code: GPL WO No.: 9188 SAS No.: N/A SDG No.: N/A

GC Column (1) : RTx-5 ID: 0.53 (mm) GC Column (2) : RTx-1701 ID: 0.53 (mm)

	CLIENT SAMPLE ID	TCX 1 %REC #	TCX 2 %REC #	DCB 1 %REC #	DCB 2 %REC #	TOT OUT
01	BLK7177	85	89	85	87	0
02	BKS7177	99	94	91	95	0
03	AB3003	93	80	51	54	0
04	AB3009	140*	111	61	65	1

			ADVISORY QC LIMITS
TCX	=	Tetrachloro-m-xylene	(23-112)
DCB	=	Decachlorobiphenyl	(21-134)

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate diluted out

3004

3E

SOIL PCB's MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: GPL Laboratories Client: IT_CORPORATION

Lab Code: GPL Case No.: 9188 SAS No.: N/A SDG No.: N/A

EPA Sample No.: AA0471 MS/MSD GP ID: 9188-002-04-1 MS/MSD

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENTRATION (ug/kg)	MS CONCENTRATION (ug/kg)	MS % REC	QC LIMITS REC.
AR 1016	186	0	230	124	58-133
AR 1260	372	0	260	71	40-159

COMPOUND	SPIKE ADDED (ug/kg)	MSD CONCENTRATION (ug/kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC.
AR 1016	186	180	97	25 *	20	58-133
AR 1260	372	270	73	3	15	40-159

* Value outside of QC limits

RPD: 1 of 2 outside limits.

Spike Recovery: 0 of 4 outside limits.

COMMENTS:

3005

3E

WATER PCB's MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: GPL Laboratories | Client: IT_CORPRATION

Lab Code: GPL | Case No.: 9180 | SAS No.: N/A | SDG No.: N/A

EPA Sample No.: AB3007 | GP ID: 9180-016

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENTRATION (ug/kg)	MS CONCENTRATION (ug/kg)	MS % REC	QC LIMITS REC.
AR 1016	11	0	14	128	54-150
AR 1260	22	0	21	93	70-131

COMPOUND	SPIKE ADDED (ug/kg)	MSD CONCENTRATION (ug/kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC.
AR 1016	11	14	125	3	20	54-150
AR 1260	22	20	89	5	20	70-131

* Value outside of QC limits

RPD: 0 of 2 outside limits.

Spike Recovery: 0 of 4 outside limits.

COMMENTS:

3006

3E
SOIL LABORATORY CONTROL SPIKE RECOVERY

Lab Name: GPL Laboratories | Client: IT_CORPORATION

Lab Code: GPL | Case No.: 9188 | SAS No.: N/A | SDG No.: N/A

EPA Sample No.: BKS7267 | GP ID: PBLK-7267 MS

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENTRATION (ug/kg)	LCS CONCENTRATION (ug/kg)	LCS % REC	QC LIMITS REC
AR 1016	170	0	160	96	54-164
AR 1260	330	0	300	91	80-145

* Value outside of QC limits

Spike recovery: 0 out of 2 outside limits.

COMMENTS:

3007

3E
WATER LABORATORY CONTROL SPIKE RECOVERY

Lab Name: GPL Laboratories | Client: IT_CORPORATION

Lab Code: GPL | Case No.: 9188 | SAS No.: N/A | SDG No.: N/A

EPA Sample No.: BKS7177 | GP ID: 9180-PBLK-7177

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC
AR 1016	5	0	6.6	131	54-164
AR 1260	10	0	8.6	86	80-145

* Value outside of QC limits

Spike recovery: 0 out of 2 outside limits.

COMMENTS:

3008

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

BLK7267

Lab Name: GPL LABORATORIES Contract: IT CORPORAT

Lab Code: GPLL Case No.: 9188 SAS No.: N/A SDG No.: N/A

Lab Sample ID: PBLK-7267 Lab File ID: K4260P.D

Matrix: (soil/water) SOIL Extraction: (SepF/Cont/Sonc) SONC

Sulfur Cleanup: (Y/N) N Date Extracted: 10/09/00

Date Analyzed (1) : 10/12/00 Date Analyzed (2) : 10/12/00

Time Analyzed (1) : 1009 Time Analyzed (2) : 1009

Instrument ID (1) : GC-K Instrument ID (2) : GC-K

GC Column (1) : RTx-5 ID: 0.53 (mm) GC Column (2) : RTx-1701 ID: 0.53 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	BKS7267	PBLK-7267 MS	10/12/00	10/12/00
02	AA0460	9188-002-04-1	10/12/00	10/12/00
03	AA0460 MS	9188-002-04-1 MS	10/12/00	10/12/00
04	AA0460 MSD	9188-002-04-1 MSD	10/12/00	10/12/00
05	AA0461	9188-003-04-1	10/12/00	10/12/00
06	AA0462	9188-004-04-1	10/12/00	10/12/00
07	AA0463	9188-005-04-1	10/12/00	10/12/00
08	AA0464	9188-006-04-1	10/12/00	10/12/00
09	AA0465	9188-007-04-1	10/12/00	10/12/00
10	AB0473	9188-008-04-1	10/13/00	10/13/00
11	AB0474	9188-009-04-1	10/13/00	10/13/00
12	AA0466	9188-012-04-1	10/13/00	10/13/00

COMMENTS:

3009

4C

PESTICIDE METHOD BLANK SUMMARY

CLIENT ID

BLK7177

Lab Name: GPL LABORATORIES, LLLP Project: PARSONS EN

Lab Code: GPL WO No.: 9188 SAS No.: N/A SDG No.: N/A

Lab Sample ID: 9180-PBLK-7177 Lab File ID: K4160P.D

Matrix: (soil/water) WATER Extraction: (SepF/Cont/Sonc) CONT

Sulfur Cleanup: (Y/N) N Date Extracted: 10/04/00

Date Analyzed (1) : 10/09/00 Date Analyzed (2) : 10/09/00

Time Analyzed (1) : 1030 Time Analyzed (2) : 1030

Instrument ID (1) : GC-K Instrument ID (2) : GC-K

GC Column (1) : RTx-5 ID: 0.53 (mm) GC Column (2) : RTx-1701 ID: 0.53 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	BKS7177	9180-PBLK-7177 MS	10/09/00	10/09/00
02	AB3003	9188-010-07-1	10/09/00	10/09/00
03	AB3009	9188-011-09-1/2	10/09/00	10/09/00

COMMENTS:

3010

Summary of Analytical Results

Client ID AA0460
GPL ID: 9188-002-01-1/3
Matrix: Soil
Date Collected: Sep-29-2000
Date Received: Sep-30-2000

Prep Method: SW5035
Prep Date: Oct-04-2000
Prep Time: 09:01
Prep Chemist: Abid Mahmood

Analytical Method: SW8260B_TCL
Date Analyzed: Oct-04-2000
Time Analyzed 15:15
Analyst: Abid Mahmood

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	4.83	ug/kg	U	1
1,1,2,2-Tetrachloroethane	BQL	4.83	ug/kg	U	1
1,1,2-Trichloroethane	BQL	4.83	ug/kg	U	1
1,1-Dichloroethane	BQL	4.83	ug/kg	U	1
1,1-Dichloroethene	BQL	4.83	ug/kg	U	1
1,2-Dichloroethane	BQL	4.83	ug/kg	U	1
1,2-Dichloropropane	BQL	4.83	ug/kg	U	1
2-Butanone	BQL	9.66	ug/kg	U	1
2-Hexanone	BQL	9.66	ug/kg	U	1
4-Methyl-2-Pentanone	BQL	9.66	ug/kg	U	1
Acetone	35.9	9.66	ug/kg		1
Benzene	BQL	4.83	ug/kg	U	1
Bromodichloromethane	BQL	4.83	ug/kg	U	1
Bromoform	BQL	4.83	ug/kg	U	1
Bromomethane	BQL	9.66	ug/kg	U	1
Carbon Disulfide	2.00	4.83	ug/kg	J	1
Carbon Tetrachloride	BQL	4.83	ug/kg	U	1
Chlorobenzene	BQL	4.83	ug/kg	U	1
Chloroethane	BQL	9.66	ug/kg	U	1
Chloroform	BQL	4.83	ug/kg	U	1
Chloromethane	BQL	9.66	ug/kg	U	1
Dibromochloromethane	BQL	4.83	ug/kg	U	1
Ethylbenzene	BQL	4.83	ug/kg	U	1
Methylene Chloride	2.97	4.83	ug/kg	JB	1
Styrene	BQL	4.83	ug/kg	U	1
Tetrachloroethene	BQL	4.83	ug/kg	U	1
Toluene	BQL	4.83	ug/kg	U	1
Trichloroethene	BQL	4.83	ug/kg	U	1
Vinyl Chloride	BQL	9.66	ug/kg	U	1
cis-1,2-Dichloroethene	BQL	4.83	ug/kg	U	1
cis-1,3-Dichloropropene	BQL	4.83	ug/kg	U	1
m,p-Xylenes	BQL	4.83	ug/kg	U	1
o-Xylene	BQL	4.83	ug/kg	U	1
trans-1,2-dichloroethene	BQL	4.83	ug/kg	U	1
trans-1,3-dichloropropene	BQL	4.83	ug/kg	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AA0461
GPL ID: 9188-003-01-1/3
Matrix: Soil
Date Collected: Sep-29-2000
Date Received: Sep-30-2000

Prep Method: SW5035
Prep Date: Oct-04-2000
Prep Time: 09:01
Prep Chemist: Abid Mahmood

Analytical Method: SW8260B_TCL
Date Analyzed: Oct-04-2000
Time Analyzed 15:56
Analyst: Abid Mahmood

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	5.68	ug/kg	U	1
1,1,2,2-Tetrachloroethane	BQL	5.68	ug/kg	U	1
1,1,2-Trichloroethane	BQL	5.68	ug/kg	U	1
1,1-Dichloroethane	BQL	5.68	ug/kg	U	1
1,1-Dichloroethene	BQL	5.68	ug/kg	U	1
1,2-Dichloroethane	BQL	5.68	ug/kg	U	1
1,2-Dichloropropane	BQL	5.68	ug/kg	U	1
2-Butanone	BQL	11.4	ug/kg	U	1
2-Hexanone	BQL	11.4	ug/kg	U	1
4-Methyl-2-Pentanone	BQL	11.4	ug/kg	U	1
Acetone	125	11.4	ug/kg		1
Benzene	BQL	5.68	ug/kg	U	1
Bromodichloromethane	BQL	5.68	ug/kg	U	1
Bromoform	BQL	5.68	ug/kg	U	1
Bromomethane	BQL	11.4	ug/kg	U	1
Carbon Disulfide	9.09	5.68	ug/kg		1
Carbon Tetrachloride	BQL	5.68	ug/kg	U	1
Chlorobenzene	BQL	5.68	ug/kg	U	1
Chloroethane	BQL	11.4	ug/kg	U	1
Chloroform	BQL	5.68	ug/kg	U	1
Chloromethane	BQL	11.4	ug/kg	U	1
Dibromochloromethane	BQL	5.68	ug/kg	U	1
Ethylbenzene	BQL	5.68	ug/kg	U	1
Methylene Chloride	4.28	5.68	ug/kg	JB	1
Styrene	BQL	5.68	ug/kg	U	1
Tetrachloroethene	BQL	5.68	ug/kg	U	1
Toluene	2.95	5.68	ug/kg	J	1
Trichloroethene	BQL	5.68	ug/kg	U	1
Vinyl Chloride	BQL	11.4	ug/kg	U	1
cis-1,2-Dichloroethene	BQL	5.68	ug/kg	U	1
cis-1,3-Dichloropropene	BQL	5.68	ug/kg	U	1
m,p-Xylenes	BQL	5.68	ug/kg	U	1
o-Xylene	BQL	5.68	ug/kg	U	1
trans-1,2-dichloroethene	BQL	5.68	ug/kg	U	1
trans-1,3-dichloropropene	BQL	5.68	ug/kg	U	1

Summary of Analytical Results

Client ID AA0462
GPL ID: 9188-004-01-1/3
Matrix: Soil
Date Collected: Sep-29-2000
Date Received: Sep-30-2000

Prep Method: SW5035
Prep Date: Oct-04-2000
Prep Time: 09:01
Prep Chemist: Abid Mahmood

Analytical Method: SW8260B_TCL
Date Analyzed: Oct-04-2000
Time Analyzed 16:36
Analyst: Abid Mahmood

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	5.04	ug/kg	U	1
1,1,2,2-Tetrachloroethane	BQL	5.04	ug/kg	U	1
1,1,2-Trichloroethane	BQL	5.04	ug/kg	U	1
1,1-Dichloroethane	BQL	5.04	ug/kg	U	1
1,1-Dichloroethene	BQL	5.04	ug/kg	U	1
1,2-Dichloroethane	BQL	5.04	ug/kg	U	1
1,2-Dichloropropane	BQL	5.04	ug/kg	U	1
2-Butanone	BQL	10.1	ug/kg	U	1
2-Hexanone	BQL	10.1	ug/kg	U	1
4-Methyl-2-Pentanone	BQL	10.1	ug/kg	U	1
Acetone	54.4	10.1	ug/kg		1
Benzene	BQL	5.04	ug/kg	U	1
Bromodichloromethane	BQL	5.04	ug/kg	U	1
Bromoform	BQL	5.04	ug/kg	U	1
Bromomethane	BQL	10.1	ug/kg	U	1
Carbon Disulfide	BQL	5.04	ug/kg	U	1
Carbon Tetrachloride	BQL	5.04	ug/kg	U	1
Chlorobenzene	BQL	5.04	ug/kg	U	1
Chloroethane	BQL	10.1	ug/kg	U	1
Chloroform	BQL	5.04	ug/kg	U	1
Chloromethane	BQL	10.1	ug/kg	U	1
Dibromochloromethane	BQL	5.04	ug/kg	U	1
Ethylbenzene	BQL	5.04	ug/kg	U	1
Methylene Chloride	2.17	5.04	ug/kg	JB	1
Styrene	BQL	5.04	ug/kg	U	1
Tetrachloroethene	BQL	5.04	ug/kg	U	1
Toluene	4.84	5.04	ug/kg	J	1
Trichloroethene	BQL	5.04	ug/kg	U	1
Vinyl Chloride	BQL	10.1	ug/kg	U	1
cis-1,2-Dichloroethene	BQL	5.04	ug/kg	U	1
cis-1,3-Dichloropropene	BQL	5.04	ug/kg	U	1
m,p-Xylenes	BQL	5.04	ug/kg	U	1
o-Xylene	BQL	5.04	ug/kg	U	1
trans-1,2-dichloroethene	BQL	5.04	ug/kg	U	1
trans-1,3-dichloropropene	BQL	5.04	ug/kg	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AA0463
GPL ID: 9188-005-02-2/3
Matrix: Soil
Date Collected: Sep-29-2000
Date Received: Sep-30-2000

Prep Method: SW5035
Prep Date: Oct-10-2000
Prep Time: 08:48
Prep Chemist: Abid Mahmood

Analytical Method: SW8260B_TCL
Date Analyzed: Oct-10-2000
Time Analyzed 14:01
Analyst: Abid Mahmood

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	5.12	ug/kg	U	1
1,1,2,2-Tetrachloroethane	BQL	5.12	ug/kg	U	1
1,1,2-Trichloroethane	BQL	5.12	ug/kg	U	1
1,1-Dichloroethane	BQL	5.12	ug/kg	U	1
1,1-Dichloroethene	BQL	5.12	ug/kg	U	1
1,2-Dichloroethane	BQL	5.12	ug/kg	U	1
1,2-Dichloropropane	BQL	5.12	ug/kg	U	1
2-Butanone	BQL	10.2	ug/kg	U	1
2-Hexanone	BQL	10.2	ug/kg	U	1
4-Methyl-2-Pentanone	BQL	10.2	ug/kg	U	1
Acetone	40.1	10.2	ug/kg		1
Benzene	BQL	5.12	ug/kg	U	1
Bromodichloromethane	BQL	5.12	ug/kg	U	1
Bromoform	BQL	5.12	ug/kg	U	1
Bromomethane	BQL	10.2	ug/kg	U	1
Carbon Disulfide	2.02	5.12	ug/kg	J	1
Carbon Tetrachloride	BQL	5.12	ug/kg	U	1
Chlorobenzene	BQL	5.12	ug/kg	U	1
Chloroethane	BQL	10.2	ug/kg	U	1
Chloroform	BQL	5.12	ug/kg	U	1
Chloromethane	BQL	10.2	ug/kg	U	1
Dibromochloromethane	BQL	5.12	ug/kg	U	1
Ethylbenzene	BQL	5.12	ug/kg	U	1
Methylene Chloride	2.01	5.12	ug/kg	J	1
Styrene	BQL	5.12	ug/kg	U	1
Tetrachloroethene	BQL	5.12	ug/kg	U	1
Toluene	BQL	5.12	ug/kg	U	1
Trichloroethene	BQL	5.12	ug/kg	U	1
Vinyl Chloride	BQL	10.2	ug/kg	U	1
cis-1,2-Dichloroethene	BQL	5.12	ug/kg	U	1
cis-1,3-Dichloropropene	BQL	5.12	ug/kg	U	1
m,p-Xylenes	BQL	5.12	ug/kg	U	1
o-Xylene	BQL	5.12	ug/kg	U	1
trans-1,2-dichloroethene	BQL	5.12	ug/kg	U	1
trans-1,3-dichloropropene	BQL	5.12	ug/kg	U	1

Summary of Analytical Results

Client ID AA0464
GPL ID: 9188-006-02-2/3
Matrix: Soil
Date Collected: Sep-29-2000
Date Received: Sep-30-2000

Prep Method: SW5035
Prep Date: Oct-10-2000
Prep Time: 08:48
Prep Chemist: Abid Mahmood

Analytical Method: SW8260B_TCL
Date Analyzed: Oct-10-2000
Time Analyzed 14:40
Analyst: Abid Mahmood

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	4.73	ug/kg	U	1
1,1,2,2-Tetrachloroethane	BQL	4.73	ug/kg	U	1
1,1,2-Trichloroethane	BQL	4.73	ug/kg	U	1
1,1-Dichloroethane	BQL	4.73	ug/kg	U	1
1,1-Dichloroethene	BQL	4.73	ug/kg	U	1
1,2-Dichloroethane	BQL	4.73	ug/kg	U	1
1,2-Dichloropropane	BQL	4.73	ug/kg	U	1
2-Butanone	BQL	9.46	ug/kg	U	1
2-Hexanone	BQL	9.46	ug/kg	U	1
4-Methyl-2-Pentanone	BQL	9.46	ug/kg	U	1
Acetone	15.0	9.46	ug/kg		1
Benzene	BQL	4.73	ug/kg	U	1
Bromodichloromethane	BQL	4.73	ug/kg	U	1
Bromoform	BQL	4.73	ug/kg	U	1
Bromomethane	BQL	9.46	ug/kg	U	1
Carbon Disulfide	BQL	4.73	ug/kg	U	1
Carbon Tetrachloride	BQL	4.73	ug/kg	U	1
Chlorobenzene	BQL	4.73	ug/kg	U	1
Chloroethane	BQL	9.46	ug/kg	U	1
Chloroform	BQL	4.73	ug/kg	U	1
Chloromethane	BQL	9.46	ug/kg	U	1
Dibromochloromethane	BQL	4.73	ug/kg	U	1
Ethylbenzene	BQL	4.73	ug/kg	U	1
Methylene Chloride	2.42	4.73	ug/kg	J	1
Styrene	BQL	4.73	ug/kg	U	1
Tetrachloroethene	BQL	4.73	ug/kg	U	1
Toluene	BQL	4.73	ug/kg	U	1
Trichloroethene	BQL	4.73	ug/kg	U	1
Vinyl Chloride	BQL	9.46	ug/kg	U	1
cis-1,2-Dichloroethene	BQL	4.73	ug/kg	U	1
cis-1,3-Dichloropropene	BQL	4.73	ug/kg	U	1
m,p-Xylenes	BQL	4.73	ug/kg	U	1
o-Xylene	BQL	4.73	ug/kg	U	1
trans-1,2-dichloroethene	BQL	4.73	ug/kg	U	1
trans-1,3-dichloropropene	BQL	4.73	ug/kg	U	1

Summary of Analytical Results

Client ID AA0465
GPL ID: 9188-007-02-2/3
Matrix: Soil
Date Collected: Sep-29-2000
Date Received: Sep-30-2000

Prep Method: SW5035
Prep Date: Oct-10-2000
Prep Time: 08:48
Prep Chemist: Abid Mahmood

Analytical Method: SW8260B_TCL
Date Analyzed: Oct-10-2000
Time Analyzed 15:19
Analyst: Abid Mahmood

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	6.85	ug/kg	U	1
1,1,2,2-Tetrachloroethane	BQL	6.85	ug/kg	U	1
1,1,2-Trichloroethane	BQL	6.85	ug/kg	U	1
1,1-Dichloroethane	BQL	6.85	ug/kg	U	1
1,1-Dichloroethene	BQL	6.85	ug/kg	U	1
1,2-Dichloroethane	BQL	6.85	ug/kg	U	1
1,2-Dichloropropane	BQL	6.85	ug/kg	U	1
2-Butanone	BQL	13.7	ug/kg	U	1
2-Hexanone	BQL	13.7	ug/kg	U	1
4-Methyl-2-Pentanone	BQL	13.7	ug/kg	U	1
Acetone	22.8	13.7	ug/kg		1
Benzene	BQL	6.85	ug/kg	U	1
Bromodichloromethane	BQL	6.85	ug/kg	U	1
Bromoform	BQL	6.85	ug/kg	U	1
Bromomethane	BQL	13.7	ug/kg	U	1
Carbon Disulfide	BQL	6.85	ug/kg	U	1
Carbon Tetrachloride	BQL	6.85	ug/kg	U	1
Chlorobenzene	BQL	6.85	ug/kg	U	1
Chloroethane	BQL	13.7	ug/kg	U	1
Chloroform	BQL	6.85	ug/kg	U	1
Chloromethane	BQL	13.7	ug/kg	U	1
Dibromochloromethane	BQL	6.85	ug/kg	U	1
Ethylbenzene	BQL	6.85	ug/kg	U	1
Methylene Chloride	3.69	6.85	ug/kg	J	1
Styrene	BQL	6.85	ug/kg	U	1
Tetrachloroethene	BQL	6.85	ug/kg	U	1
Toluene	BQL	6.85	ug/kg	U	1
Trichloroethene	BQL	6.85	ug/kg	U	1
Vinyl Chloride	BQL	13.7	ug/kg	U	1
cis-1,2-Dichloroethene	BQL	6.85	ug/kg	U	1
cis-1,3-Dichloropropene	BQL	6.85	ug/kg	U	1
m,p-Xylenes	BQL	6.85	ug/kg	U	1
o-Xylene	BQL	6.85	ug/kg	U	1
trans-1,2-dichloroethene	BQL	6.85	ug/kg	U	1
trans-1,3-dichloropropene	BQL	6.85	ug/kg	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB0473
GPL ID: 9188-008-02-2/3
Matrix: Soil
Date Collected: Sep-29-2000
Date Received: Sep-30-2000

Prep Method: SW5035
Prep Date: Oct-10-2000
Prep Time: 08:48
Prep Chemist: Abid Mahmood

Analytical Method: SW8260B_TCL
Date Analyzed: Oct-10-2000
Time Analyzed 15:58
Analyst: Abid Mahmood

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	5.17	ug/kg	U	1
1,1,2,2-Tetrachloroethane	BQL	5.17	ug/kg	U	1
1,1,2-Trichloroethane	BQL	5.17	ug/kg	U	1
1,1-Dichloroethane	BQL	5.17	ug/kg	U	1
1,1-Dichloroethene	BQL	5.17	ug/kg	U	1
1,2-Dichloroethane	BQL	5.17	ug/kg	U	1
1,2-Dichloropropane	BQL	5.17	ug/kg	U	1
2-Butanone	BQL	10.3	ug/kg	U	1
2-Hexanone	BQL	10.3	ug/kg	U	1
4-Methyl-2-Pentanone	BQL	10.3	ug/kg	U	1
Acetone	BQL	10.3	ug/kg	U	1
Benzene	BQL	5.17	ug/kg	U	1
Bromodichloromethane	BQL	5.17	ug/kg	U	1
Bromoform	BQL	5.17	ug/kg	U	1
Bromomethane	BQL	10.3	ug/kg	U	1
Carbon Disulfide	BQL	5.17	ug/kg	U	1
Carbon Tetrachloride	BQL	5.17	ug/kg	U	1
Chlorobenzene	BQL	5.17	ug/kg	U	1
Chloroethane	BQL	10.3	ug/kg	U	1
Chloroform	BQL	5.17	ug/kg	U	1
Chloromethane	BQL	10.3	ug/kg	U	1
Dibromochloromethane	BQL	5.17	ug/kg	U	1
Ethylbenzene	BQL	5.17	ug/kg	U	1
Methylene Chloride	BQL	5.17	ug/kg	U	1
Styrene	BQL	5.17	ug/kg	U	1
Tetrachloroethene	BQL	5.17	ug/kg	U	1
Toluene	BQL	5.17	ug/kg	U	1
Trichloroethene	BQL	5.17	ug/kg	U	1
Vinyl Chloride	BQL	10.3	ug/kg	U	1
cis-1,2-Dichloroethene	BQL	5.17	ug/kg	U	1
cis-1,3-Dichloropropene	BQL	5.17	ug/kg	U	1
m,p-Xylenes	BQL	5.17	ug/kg	U	1
o-Xylene	BQL	5.17	ug/kg	U	1
trans-1,2-dichloroethene	BQL	5.17	ug/kg	U	1
trans-1,3-dichloropropene	BQL	5.17	ug/kg	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB0474
GPL ID: 9188-009-01-1/3
Matrix: Soil
Date Collected: Sep-29-2000
Date Received: Sep-30-2000

Prep Method: SW5035
Prep Date: Oct-04-2000
Prep Time: 09:01
Prep Chemist: Abid Mahmood

Analytical Method: SW8260B_TCL
Date Analyzed: Oct-04-2000
Time Analyzed 19:55
Analyst: Abid Mahmood

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	4.73	ug/kg	U	1
1,1,2,2-Tetrachloroethane	BQL	4.73	ug/kg	U	1
1,1,2-Trichloroethane	BQL	4.73	ug/kg	U	1
1,1-Dichloroethane	BQL	4.73	ug/kg	U	1
1,1-Dichloroethene	BQL	4.73	ug/kg	U	1
1,2-Dichloroethane	BQL	4.73	ug/kg	U	1
1,2-Dichloropropane	BQL	4.73	ug/kg	U	1
2-Butanone	BQL	9.46	ug/kg	U	1
2-Hexanone	BQL	9.46	ug/kg	U	1
4-Methyl-2-Pentanone	BQL	9.46	ug/kg	U	1
Acetone	BQL	9.46	ug/kg	U	1
Benzene	BQL	4.73	ug/kg	U	1
Bromodichloromethane	BQL	4.73	ug/kg	U	1
Bromoform	BQL	4.73	ug/kg	U	1
Bromomethane	BQL	9.46	ug/kg	U	1
Carbon Disulfide	2.94	4.73	ug/kg	J	1
Carbon Tetrachloride	BQL	4.73	ug/kg	U	1
Chlorobenzene	BQL	4.73	ug/kg	U	1
Chloroethane	BQL	9.46	ug/kg	U	1
Chloroform	BQL	4.73	ug/kg	U	1
Chloromethane	BQL	9.46	ug/kg	U	1
Dibromochloromethane	BQL	4.73	ug/kg	U	1
Ethylbenzene	BQL	4.73	ug/kg	U	1
Methylene Chloride	2.04	4.73	ug/kg	JB	1
Styrene	BQL	4.73	ug/kg	U	1
Tetrachloroethene	BQL	4.73	ug/kg	U	1
Toluene	BQL	4.73	ug/kg	U	1
Trichloroethene	BQL	4.73	ug/kg	U	1
Vinyl Chloride	BQL	9.46	ug/kg	U	1
cis-1,2-Dichloroethene	BQL	4.73	ug/kg	U	1
cis-1,3-Dichloropropene	BQL	4.73	ug/kg	U	1
m,p-Xylenes	BQL	4.73	ug/kg	U	1
o-Xylene	BQL	4.73	ug/kg	U	1
trans-1,2-dichloroethene	BQL	4.73	ug/kg	U	1
trans-1,3-dichloropropene	BQL	4.73	ug/kg	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AA0466
GPL ID: 9188-012-02-2/3
Matrix: Soil
Date Collected: Sep-28-2000
Date Received: Sep-30-2000

Prep Method: SW5035
Prep Date: Oct-10-2000
Prep Time: 08:48
Prep Chemist: Abid Mahmood

Analytical Method: SW8260B_TCL
Date Analyzed: Oct-10-2000
Time Analyzed 17:16
Analyst: Abid Mahmood

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	5.47	ug/kg	U	1
1,1,2,2-Tetrachloroethane	BQL	5.47	ug/kg	U	1
1,1,2-Trichloroethane	BQL	5.47	ug/kg	U	1
1,1-Dichloroethane	BQL	5.47	ug/kg	U	1
1,1-Dichloroethene	BQL	5.47	ug/kg	U	1
1,2-Dichloroethane	BQL	5.47	ug/kg	U	1
1,2-Dichloropropane	BQL	5.47	ug/kg	U	1
2-Butanone	BQL	10.9	ug/kg	U	1
2-Hexanone	BQL	10.9	ug/kg	U	1
4-Methyl-2-Pentanone	BQL	10.9	ug/kg	U	1
Acetone	43.7	10.9	ug/kg		1
Benzene	BQL	5.47	ug/kg	U	1
Bromodichloromethane	BQL	5.47	ug/kg	U	1
Bromoform	BQL	5.47	ug/kg	U	1
Bromomethane	BQL	10.9	ug/kg	U	1
Carbon Disulfide	BQL	5.47	ug/kg	U	1
Carbon Tetrachloride	BQL	5.47	ug/kg	U	1
Chlorobenzene	BQL	5.47	ug/kg	U	1
Chloroethane	BQL	10.9	ug/kg	U	1
Chloroform	BQL	5.47	ug/kg	U	1
Chloromethane	BQL	10.9	ug/kg	U	1
Dibromochloromethane	BQL	5.47	ug/kg	U	1
Ethylbenzene	BQL	5.47	ug/kg	U	1
Methylene Chloride	2.64	5.47	ug/kg	J	1
Styrene	BQL	5.47	ug/kg	U	1
Tetrachloroethene	BQL	5.47	ug/kg	U	1
Toluene	BQL	5.47	ug/kg	U	1
Trichloroethene	BQL	5.47	ug/kg	U	1
Vinyl Chloride	BQL	10.9	ug/kg	U	1
cis-1,2-Dichloroethene	BQL	5.47	ug/kg	U	1
cis-1,3-Dichloropropene	BQL	5.47	ug/kg	U	1
m,p-Xylenes	BQL	5.47	ug/kg	U	1
o-Xylene	BQL	5.47	ug/kg	U	1
trans-1,2-dichloroethene	BQL	5.47	ug/kg	U	1
trans-1,3-dichloropropene	BQL	5.47	ug/kg	U	1

Summary of Analytical Results

Client ID 09292000-TB2
GPL ID: 9188-001-01-1/2
Matrix: Water
Date Collected: Sep-29-2000
Date Received: Sep-30-2000

Prep Method: SW5030B
Prep Date: Oct-04-2000
Prep Time: 06:52
Prep Chemist: Jannina S. Bryan

Analytical Method: SW8260LL_TCL
Date Analyzed: Oct-04-2000
Time Analyzed 09:59
Analyst: Abid Mahmood

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	1	ug/L	U	1
1,1,2,2-Tetrachloroethane	BQL	1	ug/L	U	1
1,1,2-Trichloroethane	BQL	1	ug/L	U	1
1,1-Dichloroethane	BQL	1	ug/L	U	1
1,1-Dichloroethene	BQL	1	ug/L	U	1
1,2-Dichloroethane	BQL	1	ug/L	U	1
1,2-Dichloropropane	BQL	1	ug/L	U	1
2-Butanone	BQL	5	ug/L	U	1
2-Hexanone	BQL	5	ug/L	U	1
4-Methyl-2-Pentanone	BQL	5	ug/L	U	1
Acetone	BQL	5	ug/L	U	1
Benzene	BQL	1	ug/L	U	1
Bromodichloromethane	BQL	1	ug/L	U	1
Bromoform	BQL	1	ug/L	U	1
Bromomethane	BQL	1	ug/L	U	1
Carbon Disulfide	BQL	1	ug/L	U	1
Carbon Tetrachloride	BQL	1	ug/L	U	1
Chlorobenzene	BQL	1	ug/L	U	1
Chloroethane	BQL	1	ug/L	U	1
Chloroform	BQL	1	ug/L	U	1
Chloromethane	BQL	1	ug/L	U	1
Dibromochloromethane	BQL	1	ug/L	U	1
Ethylbenzene	BQL	1	ug/L	U	1
Methylene Chloride	1.28	1	ug/L		1
Styrene	BQL	1	ug/L	U	1
Tetrachloroethene	BQL	1	ug/L	U	1
Toluene	BQL	1	ug/L	U	1
Trichloroethene	BQL	1	ug/L	U	1
Vinyl Chloride	BQL	1	ug/L	U	1
cis-1,2-Dichloroethene	BQL	1	ug/L	U	1
cis-1,3-Dichloropropene	BQL	1	ug/L	U	1
m,p-Xylenes	BQL	1	ug/L	U	1
o-Xylene	BQL	1	ug/L	U	1
trans-1,2-dichloroethene	BQL	1	ug/L	U	1
trans-1,3-dichloropropene	BQL	1	ug/L	U	1

Summary of Analytical Results

Client ID AB3003
GPL ID: 9188-010-01-1/3
Matrix: Water
Date Collected: Sep-28-2000
Date Received: Sep-30-2000

Prep Method: SW5030B
Prep Date: Oct-04-2000
Prep Time: 06:52
Prep Chemist: Jannina S. Bryan

Analytical Method: SW8260LL_TCL
Date Analyzed: Oct-04-2000
Time Analyzed 11:06
Analyst: Abid Mahmood

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	1	ug/L	U	1
1,1,2,2-Tetrachloroethane	BQL	1	ug/L	U	1
1,1,2-Trichloroethane	BQL	1	ug/L	U	1
1,1-Dichloroethane	BQL	1	ug/L	U	1
1,1-Dichloroethene	BQL	1	ug/L	U	1
1,2-Dichloroethane	BQL	1	ug/L	U	1
1,2-Dichloropropane	BQL	1	ug/L	U	1
2-Butanone	BQL	5	ug/L	U	1
2-Hexanone	BQL	5	ug/L	U	1
4-Methyl-2-Pentanone	BQL	5	ug/L	U	1
Acetone	13.4	5	ug/L		1
Benzene	0.510	1	ug/L	J	1
Bromodichloromethane	BQL	1	ug/L	U	1
Bromoform	BQL	1	ug/L	U	1
Bromomethane	BQL	1	ug/L	U	1
Carbon Disulfide	BQL	1	ug/L	U	1
Carbon Tetrachloride	BQL	1	ug/L	U	1
Chlorobenzene	BQL	1	ug/L	U	1
Chloroethane	BQL	1	ug/L	U	1
Chloroform	BQL	1	ug/L	U	1
Chloromethane	BQL	1	ug/L	U	1
Dibromochloromethane	BQL	1	ug/L	U	1
Ethylbenzene	BQL	1	ug/L	U	1
Methylene Chloride	0.680	1	ug/L	J	1
Styrene	BQL	1	ug/L	U	1
Tetrachloroethene	BQL	1	ug/L	U	1
Toluene	0.830	1	ug/L	J	1
Trichloroethene	BQL	1	ug/L	U	1
Vinyl Chloride	BQL	1	ug/L	U	1
cis-1,2-Dichloroethene	BQL	1	ug/L	U	1
cis-1,3-Dichloropropene	BQL	1	ug/L	U	1
m,p-Xylenes	BQL	1	ug/L	U	1
o-Xylene	BQL	1	ug/L	U	1
trans-1,2-dichloroethene	BQL	1	ug/L	U	1
trans-1,3-dichloropropene	BQL	1	ug/L	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB3009
GPL ID: 9188-011-01-1/3
Matrix: Water
Date Collected: Sep-29-2000
Date Received: Sep-30-2000

Prep Method: SW5030B
Prep Date: Oct-04-2000
Prep Time: 06:52
Prep Chemist: Jannina S. Bryan

Analytical Method: SW8260LL_TCL
Date Analyzed: Oct-04-2000
Time Analyzed 10:33
Analyst: Abid Mahmood

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	1	ug/L	U	1
1,1,2,2-Tetrachloroethane	BQL	1	ug/L	U	1
1,1,2-Trichloroethane	BQL	1	ug/L	U	1
1,1-Dichloroethane	BQL	1	ug/L	U	1
1,1-Dichloroethene	BQL	1	ug/L	U	1
1,2-Dichloroethane	BQL	1	ug/L	U	1
1,2-Dichloropropane	BQL	1	ug/L	U	1
2-Butanone	BQL	5	ug/L	U	1
2-Hexanone	BQL	5	ug/L	U	1
4-Methyl-2-Pentanone	BQL	5	ug/L	U	1
Acetone	BQL	5	ug/L	U	1
Benzene	0.590	1	ug/L	J	1
Bromodichloromethane	BQL	1	ug/L	U	1
Bromoform	BQL	1	ug/L	U	1
Bromomethane	BQL	1	ug/L	U	1
Carbon Disulfide	BQL	1	ug/L	U	1
Carbon Tetrachloride	BQL	1	ug/L	U	1
Chlorobenzene	BQL	1	ug/L	U	1
Chloroethane	BQL	1	ug/L	U	1
Chloroform	BQL	1	ug/L	U	1
Chloromethane	BQL	1	ug/L	U	1
Dibromochloromethane	BQL	1	ug/L	U	1
Ethylbenzene	BQL	1	ug/L	U	1
Methylene Chloride	0.960	1	ug/L	J	1
Styrene	BQL	1	ug/L	U	1
Tetrachloroethene	BQL	1	ug/L	U	1
Toluene	7.88	1	ug/L		1
Trichloroethene	BQL	1	ug/L	U	1
Vinyl Chloride	BQL	1	ug/L	U	1
cis-1,2-Dichloroethene	BQL	1	ug/L	U	1
cis-1,3-Dichloropropene	BQL	1	ug/L	U	1
m,p-Xylenes	BQL	1	ug/L	U	1
o-Xylene	BQL	1	ug/L	U	1
trans-1,2-dichloroethene	BQL	1	ug/L	U	1
trans-1,3-dichloropropene	BQL	1	ug/L	U	1

2B
SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: GPL LABORATORIES, LLLP Contract: PLUMBROOK_ORDN

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Level: (low/med) LOW

	CLIENT SAMPLE NO.	SMC1 #	SMC2 #	SMC3 #	SMC4 #	TOT OUT
01	BLK7201	97	106	110	104	0
02	BKS7201	86	101	89	87	0
03	AA0460	92	92	97	94	0
04	AA0461	90	92	104	103	0
05	AA0462	95	97	115	127	0
06	AB0474	105	108	145 *	159 *	2
07	BLK7300	93	80	89	87	0
08	BKS7300	90	81	87	86	0
09	AA0463	106	82	89	86	0
10	AA0464	103	86	93	89	0
11	AA0465	108	87	95	90	0
12	AB0473	107	84	96	95	0
13	AB0474 RE	126	95	121	133	0
14	AA0466	116	90	107	116	0

			QC LIMITS
SMC1	=	1,2-Dichloroethane-d4	(72-129)
SMC2	=	Toluene-d8	(68-122)
SMC3	=	4-Bromofluorobenzene	(71-122)
SMC4	=	1,2-Dichlorobenzene-d4	(68-138)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

1003

2A

WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: GPL LABORATORIES, LLLP Contract: PLUMBROOK_ORDN

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

	CLIENT SAMPLE NO.	SMC1 #	SMC2 #	SMC3 #	SMC4 #	TOT OUT
01	BLK7162	101	98	85	83	0
02	BKS7162	105	95	96	89	0
03	09292000-TB2	103	97	90	90	0
04	AB3009	112	104	96	94	0
05	AB3003	111	95	90	86	0

			QC LIMITS
SMC1	=	1,2-Dichloroethane-d4	(77-133)
SMC2	=	Toluene-d8	(74-128)
SMC3	=	4-Bromofluorobenzene	(81-125)
SMC4	=	1,2-Dichlorobenzene-d4	(76-134)

1004

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

3B

SOIL VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: GPL LABORATORIES, LLLP Contract: PLUMBROOK_O

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Matrix Spike - EPA Sample No.: AB0455 Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC LIMITS REC.
1,1-Dichloroethene	59	0.0	54	92	39 - 147
Benzene	59	0.0	49	83	36 - 150
Trichloroethene	59	0.0	42	71	33 - 150
Toluene	59	0.0	55	93	34 - 151
Chlorobenzene	59	0.0	33	56	33 - 143

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	53	50	94	2	25	39 - 147
Benzene	53	47	89	7	25	36 - 150
Trichloroethene	53	41	77	8	25	33 - 150
Toluene	53	47	89	4	25	34 - 151
Chlorobenzene	53	33	62	10	25	33 - 143

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 5 outside limits

Spike Recovery: 0 out of 10 outside limits

COMMENTS: Ahead with 9/6 9

3A

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: GPL LABORATORIES, LLLP Contract: PLUMBROOK_O

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Matrix Spike - EPA Sample No.: AA3006

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
1,1-Dichloroethene	10	0.0	10	100	51 - 134
Benzene	10	0.0	8.9	89	61 - 120
Trichloroethene	10	0.0	9.2	92	44 - 139
Toluene	10	0.0	9.0	90	53 - 118
Chlorobenzene	10	0.0	8.4	84	68 - 125

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	10	12	120	18	25	51 - 134
Benzene	10	9.5	95	7	25	61 - 120
Trichloroethene	10	10	100	8	25	44 - 139
Toluene	10	9.5	95	5	25	53 - 118
Chlorobenzene	10	9.1	91	8	25	68 - 125

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 5 outside limits

Spike Recovery: 0 out of 10 outside limits

COMMENTS: ahead with 9169

1006

LAB CONTROL STANDARD RECOVERY

Lab Name:	GPL LABORATORIES, LLLP			Contract:	PLUMBROOK_ORD
Case No.:	N/A			SDG No.:	N/A
Lab Code:	GPLL			Lab Sample ID:	BKS1004
Lab File ID:	S004812.D	Matrix:	SOIL	Date Analyzed:	10/4/00

COMPOUND	LCS ADDED (ugKg)	CONCENTRATION FOUND (ug/Kg)	PERCENT RECOVERY #	INTERNAL LABORATORY LIMITS
Vinyl Chloride	50	37	74	29-148
1,1-Dichloroethene	50	49	98	40-150
Chloroform	50	48	96	61-146
1,1,1-Trichloroethane	50	46	92	59-155
Carbon Tetrachloride	50	46	92	61-152
Benzene	50	56	112	59-153
1,2-Dichloroethane	50	46	92	63-151
Trichloroethene	50	52	104	55-145
Bromodichloromethane	50	48	96	65-151
Dibromochloromethane	50	44	88	52-155
Bromoform	50	42	84	36-150

* Value outside internal laboratory limits

Comments: _____

LAB CONTROL STANDARD RECOVERY

Lab Name:	GPL LABORATORIES, LLLP			Contract:	PLUMBROOK_ORD
Case No.:	N/A			SDG No.:	N/A
Lab Code:	GPLL			Lab Sample ID:	BKS1010
Lab File ID:	S004888.D	Matrix:	SOIL	Date Analyzed:	10/10/00

COMPOUND	LCS ADDED (ugKg)	CONCENTRATION FOUND (ug/Kg)	PERCENT RECOVERY #	INTERNAL LABORATORY LIMITS
Vinyl Chloride	50	50	100	29-148
1,1-Dichloroethene	50	48	96	40-150
Chloroform	50	48	96	61-146
1,1,1-Trichloroethane	50	48	96	59-155
Carbon Tetrachloride	50	48	96	61-152
Benzene	50	47	94	59-153
1,2-Dichloroethane	50	50	100	63-151
Trichloroethene	50	47	94	55-145
Bromodichloromethane	50	46	92	65-151
Dibromochloromethane	50	48	96	52-155
Bromoform	50	47	94	36-150

* Value outside internal laboratory limits

Comments: _____

LAB CONTROL STANDARD RECOVERY

Lab Name:	GPL LABORATORIES, LLLP			Contract:	PLUMBROOK_ORD
Case No.:	N/A			SDG No.:	N/A
Lab Code:	GPLL			Lab Sample ID:	BKS1004
Lab File ID:	E22024.D	Matrix:	WATER	Date Analyzed:	10/4/00

COMPOUND	LCS ADDED (ug/L)	CONCENTRATION FOUND (ug/L)	PERCENT RECOVERY #	INTERNAL LABORATORY LIMITS
Vinyl Chloride	10	8.7	87	42-126
1,1-Dichloroethene	10	10.6	106	51-134
Chloroform	10	9.2	92	64-139
1,1,1-Trichloroethane	10	7.5	75	64-150
Carbon Tetrachloride	10	8.7	87	49-169
Benzene	10	9.0	90	61-120
1,2-Dichloroethane	10	9.5	95	64-141
Trichloroethene	10	9.1	91	44-139
Bromodichloromethane	10	9.4	94	60-142
Dibromochloromethane	10	8.8	88	54-164
Bromoform	10	7.6	76	46-156

* Value outside internal laboratory limits

Comments: _____

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

BLK7201

Lab Name: GPL LABORATORIES, LLLP Contract: PLUMBRO

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Lab File ID: S004811.D Lab Sample ID: BLK1004

Date Analyzed: 10/04/00 Time Analyzed: 11:44

GC Column: DB-VRX ID: 0.25 (mm) Heated Purge: (Y/N) Y

Instrument ID: HP#S

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	BKS7201	BKS1004	S004812.D	12:31
02	AA0460	9188-002-01-1/3	S004816.D	15:15
03	AA0461	9188-003-01-1/3	S004817.D	15:56
04	AA0462	9188-004-01-1/3	S004818.D	16:36
05	AB0474	9188-009-01-1/3	S004823.D	19:55

COMMENTS:

1010

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

BLK7300

Lab Name: GPL LABORATORIES, LLLP Contract: PLUMBRO

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Lab File ID: S004887.D Lab Sample ID: BLK1010

Date Analyzed: 10/10/00 Time Analyzed: 09:54

GC Column: DB-VRX ID: 0.25 (mm) Heated Purge: (Y/N) Y

Instrument ID: HP#S

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	BKS7300	BKS1010	S004888.D	10:41
02	AA0463	9188-005-02-1	S004893.D	14:01
03	AA0464	9188-006-02-1	S004894.D	14:40
04	AA0465	9188-007-02-1	S004895.D	15:19
05	AB0473	9188-008-02-1	S004896.D	15:58
06	AB0474 RE	9188-009-02-1	S004897.D	16:37
07	AA0466	9188-012-02-1	S004898.D	17:16

COMMENTS:

1011

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

BLK7162

Lab Name: GPL LABORATORIES, LLLP Contract: PLUMBRO

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Lab File ID: E22023.D Lab Sample ID: BLK1004

Date Analyzed: 10/04/00 Time Analyzed: 08:51

GC Column: RTXVOA ID: 0.53 (mm) Heated Purge: (Y/N) N

Instrument ID: 5970-E

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	BKS7162	BKS1004	E22024.D	09:25
02	09292000-TB2	9188-001-01-1/3	E22025.D	09:59
03	AB3009	9188-011-01-1/3	E22026.D	10:33
04	AB3003	9188-010-01-1/3	E22027.D	11:06

COMMENTS:

1012

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB3003
GPL ID: 9188-010-06-1
Matrix: Water
Date Collected: Sep-28-2000
Date Received: Sep-30-2000

Prep Method: SW3520C
Prep Date: Oct-04-2000
Prep Time: 15:44
Prep Chemist: Veena Telhan

Analytical Method: SW8270CTCL
Date Analyzed: Oct-21-2000
Time Analyzed 14:32
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	13.3	ug/L	U	1
1,2-Dichlorobenzene	BQL	13.3	ug/L	U	1
1,3-Dichlorobenzene	BQL	13.3	ug/L	U	1
1,4-Dichlorobenzene	BQL	13.3	ug/L	U	1
2,2-Oxybis(1-Chloro)Propane	BQL	13.3	ug/L	U	1
2,4,5-Trichlorophenol	BQL	13.3	ug/L	U	1
2,4,6-Trichlorophenol	BQL	13.3	ug/L	U	1
2,4-Dichlorophenol	BQL	13.3	ug/L	U	1
2,4-Dimethylphenol	BQL	13.3	ug/L	U	1
2,4-Dinitrophenol	BQL	26.7	ug/L	U	1
2,4-Dinitrotoluene	BQL	13.3	ug/L	U	1
2,6-Dinitrotoluene	BQL	13.3	ug/L	U	1
2-Chloronaphthalene	BQL	13.3	ug/L	U	1
2-Chlorophenol	BQL	13.3	ug/L	U	1
2-Methylnaphthalene	BQL	13.3	ug/L	U	1
2-Nitroaniline	BQL	13.3	ug/L	U	1
2-Nitrophenol	BQL	13.3	ug/L	U	1
2-methylphenol	BQL	13.3	ug/L	U	1
3,3-Dichlorobenzidine	BQL	26.7	ug/L	U	1
3-Nitroaniline	BQL	13.3	ug/L	U	1
4,6-dinitro-2-methyl phenol	BQL	26.7	ug/L	U	1
4-Bromophenyl-phenylether	BQL	13.3	ug/L	U	1
4-Chloroaniline	BQL	13.3	ug/L	U	1
4-Chlorophenyl Phenyl Ether	BQL	13.3	ug/L	U	1
4-Nitroaniline	BQL	13.3	ug/L	U	1
4-Nitrophenol	BQL	26.7	ug/L	U	1
4-chloro-3-methylphenol	BQL	13.3	ug/L	U	1
4-methylphenol	BQL	13.3	ug/L	U	1
Acenaphthene	BQL	13.3	ug/L	U	1
Acenaphthylene	BQL	13.3	ug/L	U	1
Anthracene	BQL	13.3	ug/L	U	1
Benzo(a)anthracene	BQL	13.3	ug/L	U	1
Benzo(a)pyrene	BQL	13.3	ug/L	U	1
Benzo(b)fluoranthene	BQL	13.3	ug/L	U	1
Benzo(g,h,i)perylene	BQL	13.3	ug/L	U	1
Benzo(k)fluoranthene	BQL	13.3	ug/L	U	1
Benzyl Butyl Phthalate	BQL	13.3	ug/L	U	1
Carbazole	BQL	13.3	ug/L	U	1
Chrysene	BQL	13.3	ug/L	U	1

Summary of Analytical Results

Client ID AB3003
GPL ID: 9188-010-06-1
Matrix: Water
Date Collected: Sep-28-2000
Date Received: Sep-30-2000

Prep Method: SW3520C
Prep Date: Oct-04-2000
Prep Time: 15:44
Prep Chemist: Veena Telhan

Analytical Method: SW8270CTCL
Date Analyzed: Oct-21-2000
Time Analyzed 14:32
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	13.3	ug/L	U	1
Dibenzofuran	BQL	13.3	ug/L	U	1
Diethyl Phthalate	BQL	13.3	ug/L	U	1
Dimethyl Phthalate	BQL	13.3	ug/L	U	1
Fluoranthene	BQL	13.3	ug/L	U	1
Fluorene	BQL	13.3	ug/L	U	1
Hexachlorobenzene	BQL	13.3	ug/L	U	1
Hexachlorobutadiene	BQL	13.3	ug/L	U	1
Hexachlorocyclopentadiene	BQL	13.3	ug/L	U	1
Hexachloroethane	BQL	13.3	ug/L	U	1
Indeno(1,2,3-c,d)Pyrene	BQL	13.3	ug/L	U	1
Isophorone	BQL	13.3	ug/L	U	1
Naphthalene	BQL	13.3	ug/L	U	1
Nitrobenzene	BQL	13.3	ug/L	U	1
Pentachlorophenol	BQL	26.7	ug/L	U	1
Phenanthrene	BQL	13.3	ug/L	U	1
Phenol	BQL	13.3	ug/L	U	1
Pyrene	BQL	13.3	ug/L	U	1
bis(2-chloroethoxy) methane	BQL	13.3	ug/L	U	1
bis(2-chloroethyl) ether	BQL	13.3	ug/L	U	1
bis(2-ethylhexyl) phthalate	BQL	13.3	ug/L	U	1
di-n-Butyl Phthalate	BQL	13.3	ug/L	U	1
di-n-Octyl Phthalate	BQL	13.3	ug/L	U	1
n-Nitrosodi-n-Propylamine	BQL	13.3	ug/L	U	1
n-Nitrosodiphenylamine	BQL	13.3	ug/L	U	1

Summary of Analytical Results

Client ID AB3009
GPL ID: 9188-011-07-1/2
Matrix: Water
Date Collected: Sep-29-2000
Date Received: Sep-30-2000

Prep Method: SW3520C
Prep Date: Oct-04-2000
Prep Time: 15:44
Prep Chemist: Veena Telhan

Analytical Method: SW8270CTCL
Date Analyzed: Oct-21-2000
Time Analyzed 15:23
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	12.5	ug/L	U	1
1,2-Dichlorobenzene	BQL	12.5	ug/L	U	1
1,3-Dichlorobenzene	BQL	12.5	ug/L	U	1
1,4-Dichlorobenzene	BQL	12.5	ug/L	U	1
2,2-Oxybis(1-Chloro)Propane	BQL	12.5	ug/L	U	1
2,4,5-Trichlorophenol	BQL	12.5	ug/L	U	1
2,4,6-Trichlorophenol	BQL	12.5	ug/L	U	1
2,4-Dichlorophenol	BQL	12.5	ug/L	U	1
2,4-Dimethylphenol	BQL	12.5	ug/L	U	1
2,4-Dinitrophenol	BQL	25	ug/L	U	1
2,4-Dinitrotoluene	796	12.5	ug/L		1
2,6-Dinitrotoluene	122	12.5	ug/L		1
2-Chloronaphthalene	BQL	12.5	ug/L	U	1
2-Chlorophenol	BQL	12.5	ug/L	U	1
2-Methylnaphthalene	BQL	12.5	ug/L	U	1
2-Nitroaniline	BQL	12.5	ug/L	U	1
2-Nitrophenol	BQL	12.5	ug/L	U	1
2-methylphenol	BQL	12.5	ug/L	U	1
3,3-Dichlorobenzidine	BQL	25	ug/L	U	1
3-Nitroaniline	BQL	12.5	ug/L	U	1
4,6-dinitro-2-methyl phenol	BQL	25	ug/L	U	1
4-Bromophenyl-phenylether	BQL	12.5	ug/L	U	1
4-Chloroaniline	BQL	12.5	ug/L	U	1
4-Chlorophenyl Phenyl Ether	BQL	12.5	ug/L	U	1
4-Nitroaniline	BQL	12.5	ug/L	U	1
4-Nitrophenol	BQL	25	ug/L	U	1
4-chloro-3-methylphenol	BQL	12.5	ug/L	U	1
4-methylphenol	BQL	12.5	ug/L	U	1
Acenaphthene	BQL	12.5	ug/L	U	1
Acenaphthylene	BQL	12.5	ug/L	U	1
Anthracene	BQL	12.5	ug/L	U	1
Benzo(a)anthracene	BQL	12.5	ug/L	U	1
Benzo(a)pyrene	BQL	12.5	ug/L	U	1
Benzo(b)fluoranthene	BQL	12.5	ug/L	U	1
Benzo(g,h,i)perylene	BQL	12.5	ug/L	U	1
Benzo(k)fluoranthene	BQL	12.5	ug/L	U	1
Benzyl Butyl Phthalate	BQL	12.5	ug/L	U	1
Carbazole	BQL	12.5	ug/L	U	1
Chrysene	BQL	12.5	ug/L	U	1

Summary of Analytical Results

Client ID AB3009
GPL ID: 9188-011-07-1/2
Matrix: Water
Date Collected: Sep-29-2000
Date Received: Sep-30-2000

Prep Method: SW3520C
Prep Date: Oct-04-2000
Prep Time: 15:44
Prep Chemist: Veena Telhan

Analytical Method: SW8270CTCL
Date Analyzed: Oct-21-2000
Time Analyzed 15:23
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	12.5	ug/L	U	1
Dibenzofuran	BQL	12.5	ug/L	U	1
Diethyl Phthalate	BQL	12.5	ug/L	U	1
Dimethyl Phthalate	BQL	12.5	ug/L	U	1
Fluoranthene	BQL	12.5	ug/L	U	1
Fluorene	BQL	12.5	ug/L	U	1
Hexachlorobenzene	BQL	12.5	ug/L	U	1
Hexachlorobutadiene	BQL	12.5	ug/L	U	1
Hexachlorocyclopentadiene	BQL	12.5	ug/L	U	1
Hexachloroethane	BQL	12.5	ug/L	U	1
Indeno(1,2,3-c,d)Pyrene	BQL	12.5	ug/L	U	1
Isophorone	BQL	12.5	ug/L	U	1
Naphthalene	BQL	12.5	ug/L	U	1
Nitrobenzene	BQL	12.5	ug/L	U	1
Pentachlorophenol	BQL	25	ug/L	U	1
Phenanthrene	BQL	12.5	ug/L	U	1
Phenol	BQL	12.5	ug/L	U	1
Pyrene	BQL	12.5	ug/L	U	1
bis(2-chloroethoxy) methane	BQL	12.5	ug/L	U	1
bis(2-chloroethyl) ether	BQL	12.5	ug/L	U	1
bis(2-ethylhexyl) phthalate	BQL	12.5	ug/L	U	1
di-n-Butyl Phthalate	BQL	12.5	ug/L	U	1
di-n-Octyl Phthalate	BQL	12.5	ug/L	U	1
n-Nitrosodi-n-Propylamine	BQL	12.5	ug/L	U	1
n-Nitrosodiphenylamine	BQL	12.5	ug/L	U	1

Summary of Analytical Results

Client ID AB3009DL
GPL ID: 9188-011-07-1/2
Matrix: Water
Date Collected: Sep-29-2000
Date Received: Sep-30-2000

Prep Method: SW3520C
Prep Date: Oct-04-2000
Prep Time: 15:44
Prep Chemist: Veena Telhan

Analytical Method: SW8270CTCL
Date Analyzed: Oct-21-2000
Time Analyzed 20:54
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	125	ug/L	U	10
1,2-Dichlorobenzene	BQL	125	ug/L	U	10
1,3-Dichlorobenzene	BQL	125	ug/L	U	10
1,4-Dichlorobenzene	BQL	125	ug/L	U	10
2,2-Oxybis(1-Chloro)Propane	BQL	125	ug/L	U	10
2,4,5-Trichlorophenol	BQL	125	ug/L	U	10
2,4,6-Trichlorophenol	BQL	125	ug/L	U	10
2,4-Dichlorophenol	BQL	125	ug/L	U	10
2,4-Dimethylphenol	BQL	125	ug/L	U	10
2,4-Dinitrophenol	BQL	250	ug/L	U	10
2,4-Dinitrotoluene	442	125	ug/L		10
2,6-Dinitrotoluene	85.8	125	ug/L	J	10
2-Chloronaphthalene	BQL	125	ug/L	U	10
2-Chlorophenol	BQL	125	ug/L	U	10
2-Methylnaphthalene	BQL	125	ug/L	U	10
2-Nitroaniline	BQL	125	ug/L	U	10
2-Nitrophenol	BQL	125	ug/L	U	10
2-methylphenol	BQL	125	ug/L	U	10
3,3-Dichlorobenzidine	BQL	250	ug/L	U	10
3-Nitroaniline	BQL	125	ug/L	U	10
4,6-dinitro-2-methyl phenol	BQL	250	ug/L	U	10
4-Bromophenyl-phenylether	BQL	125	ug/L	U	10
4-Chloroaniline	BQL	125	ug/L	U	10
4-Chlorophenyl Phenyl Ether	BQL	125	ug/L	U	10
4-Nitroaniline	BQL	125	ug/L	U	10
4-Nitrophenol	BQL	250	ug/L	U	10
4-chloro-3-methylphenol	BQL	125	ug/L	U	10
4-methylphenol	BQL	125	ug/L	U	10
Acenaphthene	BQL	125	ug/L	U	10
Acenaphthylene	BQL	125	ug/L	U	10
Anthracene	BQL	125	ug/L	U	10
Benzo(a)anthracene	BQL	125	ug/L	U	10
Benzo(a)pyrene	BQL	125	ug/L	U	10
Benzo(b)fluoranthene	BQL	125	ug/L	U	10
Benzo(g,h,i)perylene	BQL	125	ug/L	U	10
Benzo(k)fluoranthene	BQL	125	ug/L	U	10
Benzyl Butyl Phthalate	BQL	125	ug/L	U	10
Carbazole	BQL	125	ug/L	U	10
Chrysene	BQL	125	ug/L	U	10

Summary of Analytical Results

Client ID AB3009DL
GPL ID: 9188-011-07-1/2
Matrix: Water
Date Collected: Sep-29-2000
Date Received: Sep-30-2000

Prep Method: SW3520C
Prep Date: Oct-04-2000
Prep Time: 15:44
Prep Chemist: Veena Telhan

Analytical Method: SW8270CTCL
Date Analyzed: Oct-21-2000
Time Analyzed 20:54
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	125	ug/L	U	10
Dibenzofuran	BQL	125	ug/L	U	10
Diethyl Phthalate	BQL	125	ug/L	U	10
Dimethyl Phthalate	BQL	125	ug/L	U	10
Fluoranthene	BQL	125	ug/L	U	10
Fluorene	BQL	125	ug/L	U	10
Hexachlorobenzene	BQL	125	ug/L	U	10
Hexachlorobutadiene	BQL	125	ug/L	U	10
Hexachlorocyclopentadiene	BQL	125	ug/L	U	10
Hexachloroethane	BQL	125	ug/L	U	10
Indeno(1,2,3-c,d)Pyrene	BQL	125	ug/L	U	10
Isophorone	BQL	125	ug/L	U	10
Naphthalene	BQL	125	ug/L	U	10
Nitrobenzene	BQL	125	ug/L	U	10
Pentachlorophenol	BQL	250	ug/L	U	10
Phenanthrene	BQL	125	ug/L	U	10
Phenol	BQL	125	ug/L	U	10
Pyrene	BQL	125	ug/L	U	10
bis(2-chloroethoxy) methane	BQL	125	ug/L	U	10
bis(2-chloroethyl) ether	BQL	125	ug/L	U	10
bis(2-ethylhexyl) phthalate	BQL	125	ug/L	U	10
di-n-Butyl Phthalate	BQL	125	ug/L	U	10
di-n-Octyl Phthalate	BQL	125	ug/L	U	10
n-Nitrosodi-n-Propylamine	BQL	125	ug/L	U	10
n-Nitrosodiphenylamine	BQL	125	ug/L	U	10

Summary of Analytical Results

Client ID AA0460DL
GPL ID: 9188-002-04-1
Matrix: Soil
Date Collected: Sep-29-2000
Date Received: Sep-30-2000

Prep Method: SW3550
Prep Date: Oct-09-2000
Prep Time: 00:00
Prep Chemist: Rekha Patel

Analytical Method: SW8270CTCL
Date Analyzed: Oct-31-2000
Time Analyzed 10:46
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	7590	ug/kg	U	20
1,2-Dichlorobenzene	BQL	7590	ug/kg	U	20
1,3-Dichlorobenzene	BQL	7590	ug/kg	U	20
1,4-Dichlorobenzene	BQL	7590	ug/kg	U	20
2,2-Oxybis(1-Chloro)Propane	BQL	7590	ug/kg	U	20
2,4,5-Trichlorophenol	BQL	7590	ug/kg	U	20
2,4,6-Trichlorophenol	BQL	7590	ug/kg	U	20
2,4-Dichlorophenol	BQL	7590	ug/kg	U	20
2,4-Dimethylphenol	BQL	7590	ug/kg	U	20
2,4-Dinitrophenol	BQL	15200	ug/kg	U	20
2,4-Dinitrotoluene	47700	7590	ug/kg		20
2,6-Dinitrotoluene	96900	7590	ug/kg		20
2-Chloronaphthalene	BQL	7590	ug/kg	U	20
2-Chlorophenol	BQL	7590	ug/kg	U	20
2-Methylnaphthalene	BQL	7590	ug/kg	U	20
2-Nitroaniline	BQL	7590	ug/kg	U	20
2-Nitrophenol	BQL	7590	ug/kg	U	20
2-methylphenol	BQL	7590	ug/kg	U	20
3,3-Dichlorobenzidine	BQL	15200	ug/kg	U	20
3-Nitroaniline	BQL	7590	ug/kg	U	20
4,6-dinitro-2-methyl phenol	BQL	15200	ug/kg	U	20
4-Bromophenyl-phenylether	BQL	7590	ug/kg	U	20
4-Chloroaniline	BQL	7590	ug/kg	U	20
4-Chlorophenyl Phenyl Ether	BQL	7590	ug/kg	U	20
4-Nitroaniline	BQL	7590	ug/kg	U	20
4-Nitrophenol	BQL	15200	ug/kg	U	20
4-chloro-3-methylphenol	BQL	7590	ug/kg	U	20
4-methylphenol	BQL	7590	ug/kg	U	20
Acenaphthene	BQL	7590	ug/kg	U	20
Acenaphthylene	BQL	7590	ug/kg	U	20
Anthracene	BQL	7590	ug/kg	U	20
Benzo(a)anthracene	BQL	7590	ug/kg	U	20
Benzo(a)pyrene	BQL	7590	ug/kg	U	20
Benzo(b)fluoranthene	BQL	7590	ug/kg	U	20
Benzo(g,h,i)perylene	BQL	7590	ug/kg	U	20
Benzo(k)fluoranthene	BQL	7590	ug/kg	U	20
Benzyl Butyl Phthalate	BQL	7590	ug/kg	U	20
Carbazole	BQL	7590	ug/kg	U	20
Chrysene	BQL	7590	ug/kg	U	20

Summary of Analytical Results

Client ID AA0460DL
GPL ID: 9188-002-04-1
Matrix: Soil
Date Collected: Sep-29-2000
Date Received: Sep-30-2000

Prep Method: SW3550
Prep Date: Oct-09-2000
Prep Time: 00:00
Prep Chemist: Rekha Patel

Analytical Method: SW8270CTCL
Date Analyzed: Oct-31-2000
Time Analyzed 10:46
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	7590	ug/kg	U	20
Dibenzofuran	BQL	7590	ug/kg	U	20
Diethyl Phthalate	BQL	7590	ug/kg	U	20
Dimethyl Phthalate	BQL	7590	ug/kg	U	20
Fluoranthene	BQL	7590	ug/kg	U	20
Fluorene	BQL	7590	ug/kg	U	20
Hexachlorobenzene	BQL	7590	ug/kg	U	20
Hexachlorobutadiene	BQL	7590	ug/kg	U	20
Hexachlorocyclopentadiene	BQL	7590	ug/kg	U	20
Hexachloroethane	BQL	7590	ug/kg	U	20
Indeno(1,2,3-c,d)Pyrene	BQL	7590	ug/kg	U	20
Isophorone	BQL	7590	ug/kg	U	20
Naphthalene	BQL	7590	ug/kg	U	20
Nitrobenzene	BQL	7590	ug/kg	U	20
Pentachlorophenol	BQL	15200	ug/kg	U	20
Phenanthrene	BQL	7590	ug/kg	U	20
Phenol	BQL	7590	ug/kg	U	20
Pyrene	BQL	7590	ug/kg	U	20
bis(2-chloroethoxy) methane	BQL	7590	ug/kg	U	20
bis(2-chloroethyl) ether	BQL	7590	ug/kg	U	20
bis(2-ethylhexyl) phthalate	BQL	7590	ug/kg	U	20
di-n-Butyl Phthalate	BQL	7590	ug/kg	U	20
di-n-Octyl Phthalate	BQL	7590	ug/kg	U	20
n-Nitrosodi-n-Propylamine	BQL	7590	ug/kg	U	20
n-Nitrosodiphenylamine	BQL	7590	ug/kg	U	20

Summary of Analytical Results

Client ID AA0461
GPL ID: 9188-003-04-1
Matrix: Soil
Date Collected: Sep-29-2000
Date Received: Sep-30-2000

Prep Method: SW3550
Prep Date: Oct-09-2000
Prep Time: 00:00
Prep Chemist: Rekha Patel

Analytical Method: SW8270CTCL
Date Analyzed: Oct-30-2000
Time Analyzed 16:47
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	389	ug/kg	U	1
1,2-Dichlorobenzene	BQL	389	ug/kg	U	1
1,3-Dichlorobenzene	BQL	389	ug/kg	U	1
1,4-Dichlorobenzene	BQL	389	ug/kg	U	1
2,2-Oxybis(1-Chloro)Propane	BQL	389	ug/kg	U	1
2,4,5-Trichlorophenol	BQL	389	ug/kg	U	1
2,4,6-Trichlorophenol	BQL	389	ug/kg	U	1
2,4-Dichlorophenol	BQL	389	ug/kg	U	1
2,4-Dimethylphenol	BQL	389	ug/kg	U	1
2,4-Dinitrophenol	BQL	778	ug/kg	U	1
2,4-Dinitrotoluene	1730	389	ug/kg		1
2,6-Dinitrotoluene	1500	389	ug/kg		1
2-Chloronaphthalene	BQL	389	ug/kg	U	1
2-Chlorophenol	BQL	389	ug/kg	U	1
2-Methylnaphthalene	BQL	389	ug/kg	U	1
2-Nitroaniline	BQL	389	ug/kg	U	1
2-Nitrophenol	BQL	389	ug/kg	U	1
2-methylphenol	BQL	389	ug/kg	U	1
3,3-Dichlorobenzidine	BQL	778	ug/kg	U	1
3-Nitroaniline	BQL	389	ug/kg	U	1
4,6-dinitro-2-methyl phenol	BQL	778	ug/kg	U	1
4-Bromophenyl-phenylether	BQL	389	ug/kg	U	1
4-Chloroaniline	BQL	389	ug/kg	U	1
4-Chlorophenyl Phenyl Ether	BQL	389	ug/kg	U	1
4-Nitroaniline	BQL	389	ug/kg	U	1
4-Nitrophenol	BQL	778	ug/kg	U	1
4-chloro-3-methylphenol	BQL	389	ug/kg	U	1
4-methylphenol	BQL	389	ug/kg	U	1
Acenaphthene	BQL	389	ug/kg	U	1
Acenaphthylene	BQL	389	ug/kg	U	1
Anthracene	BQL	389	ug/kg	U	1
Benzo(a)anthracene	BQL	389	ug/kg	U	1
Benzo(a)pyrene	BQL	389	ug/kg	U	1
Benzo(b)fluoranthene	BQL	389	ug/kg	U	1
Benzo(g,h,i)perylene	BQL	389	ug/kg	U	1
Benzo(k)fluoranthene	BQL	389	ug/kg	U	1
Benzyl Butyl Phthalate	BQL	389	ug/kg	U	1
Carbazole	BQL	389	ug/kg	U	1
Chrysene	BQL	389	ug/kg	U	1

Summary of Analytical Results

Client ID AA0461
GPL ID: 9188-003-04-1
Matrix: Soil
Date Collected: Sep-29-2000
Date Received: Sep-30-2000

Prep Method: SW3550
Prep Date: Oct-09-2000
Prep Time: 00:00
Prep Chemist: Rekha Patel

Analytical Method: SW8270CTCL
Date Analyzed: Oct-30-2000
Time Analyzed 16:47
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	389	ug/kg	U	1
Dibenzofuran	BQL	389	ug/kg	U	1
Diethyl Phthalate	BQL	389	ug/kg	U	1
Dimethyl Phthalate	BQL	389	ug/kg	U	1
Fluoranthene	BQL	389	ug/kg	U	1
Fluorene	BQL	389	ug/kg	U	1
Hexachlorobenzene	BQL	389	ug/kg	U	1
Hexachlorobutadiene	BQL	389	ug/kg	U	1
Hexachlorocyclopentadiene	BQL	389	ug/kg	U	1
Hexachloroethane	BQL	389	ug/kg	U	1
Indeno(1,2,3-c,d)Pyrene	BQL	389	ug/kg	U	1
Isophorone	BQL	389	ug/kg	U	1
Naphthalene	BQL	389	ug/kg	U	1
Nitrobenzene	BQL	389	ug/kg	U	1
Pentachlorophenol	BQL	778	ug/kg	U	1
Phenanthrene	BQL	389	ug/kg	U	1
Phenol	BQL	389	ug/kg	U	1
Pyrene	BQL	389	ug/kg	U	1
bis(2-chloroethoxy) methane	BQL	389	ug/kg	U	1
bis(2-chloroethyl) ether	BQL	389	ug/kg	U	1
bis(2-ethylhexyl) phthalate	59.5	389	ug/kg	J	1
di-n-Butyl Phthalate	BQL	389	ug/kg	U	1
di-n-Octyl Phthalate	BQL	389	ug/kg	U	1
n-Nitrosodi-n-Propylamine	BQL	389	ug/kg	U	1
n-Nitrosodiphenylamine	BQL	389	ug/kg	U	1

Summary of Analytical Results

Client ID AA0462DL
GPL ID: 9188-004-04-1
Matrix: Soil
Date Collected: Sep-29-2000
Date Received: Sep-30-2000

Prep Method: SW3550
Prep Date: Oct-09-2000
Prep Time: 00:00
Prep Chemist: Rekha Patel

Analytical Method: SW8270CTCL
Date Analyzed: Oct-31-2000
Time Analyzed 11:34
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	1880	ug/kg	U	5
1,2-Dichlorobenzene	BQL	1880	ug/kg	U	5
1,3-Dichlorobenzene	BQL	1880	ug/kg	U	5
1,4-Dichlorobenzene	BQL	1880	ug/kg	U	5
2,2-Oxybis(1-Chloro)Propane	BQL	1880	ug/kg	U	5
2,4,5-Trichlorophenol	BQL	1880	ug/kg	U	5
2,4,6-Trichlorophenol	BQL	1880	ug/kg	U	5
2,4-Dichlorophenol	BQL	1880	ug/kg	U	5
2,4-Dimethylphenol	BQL	1880	ug/kg	U	5
2,4-Dinitrophenol	BQL	3770	ug/kg	U	5
2,4-Dinitrotoluene	15200	1880	ug/kg		5
2,6-Dinitrotoluene	7290	1880	ug/kg		5
2-Chloronaphthalene	BQL	1880	ug/kg	U	5
2-Chlorophenol	BQL	1880	ug/kg	U	5
2-Methylnaphthalene	386	1880	ug/kg	J	5
2-Nitroaniline	BQL	1880	ug/kg	U	5
2-Nitrophenol	BQL	1880	ug/kg	U	5
2-methylphenol	BQL	1880	ug/kg	U	5
3,3-Dichlorobenzidine	BQL	3770	ug/kg	U	5
3-Nitroaniline	BQL	1880	ug/kg	U	5
4,6-dinitro-2-methyl phenol	BQL	3770	ug/kg	U	5
4-Bromophenyl-phenylether	BQL	1880	ug/kg	U	5
4-Chloroaniline	BQL	1880	ug/kg	U	5
4-Chlorophenyl Phenyl Ether	BQL	1880	ug/kg	U	5
4-Nitroaniline	BQL	1880	ug/kg	U	5
4-Nitrophenol	BQL	3770	ug/kg	U	5
4-chloro-3-methylphenol	BQL	1880	ug/kg	U	5
4-methylphenol	BQL	1880	ug/kg	U	5
Acenaphthene	BQL	1880	ug/kg	U	5
Acenaphthylene	BQL	1880	ug/kg	U	5
Anthracene	BQL	1880	ug/kg	U	5
Benzo(a)anthracene	BQL	1880	ug/kg	U	5
Benzo(a)pyrene	BQL	1880	ug/kg	U	5
Benzo(b)fluoranthene	BQL	1880	ug/kg	U	5
Benzo(g,h,i)perylene	BQL	1880	ug/kg	U	5
Benzo(k)fluoranthene	BQL	1880	ug/kg	U	5
Benzyl Butyl Phthalate	BQL	1880	ug/kg	U	5
Carbazole	BQL	1880	ug/kg	U	5
Chrysene	BQL	1880	ug/kg	U	5

Summary of Analytical Results

Client ID AA0462DL
GPL ID: 9188-004-04-1
Matrix: Soil
Date Collected: Sep-29-2000
Date Received: Sep-30-2000

Prep Method: SW3550
Prep Date: Oct-09-2000
Prep Time: 00:00
Prep Chemist: Rekha Patel

Analytical Method: SW8270CTCL
Date Analyzed: Oct-31-2000
Time Analyzed 11:34
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	1880	ug/kg	U	5
Dibenzofuran	BQL	1880	ug/kg	U	5
Diethyl Phthalate	BQL	1880	ug/kg	U	5
Dimethyl Phthalate	BQL	1880	ug/kg	U	5
Fluoranthene	BQL	1880	ug/kg	U	5
Fluorene	BQL	1880	ug/kg	U	5
Hexachlorobenzene	BQL	1880	ug/kg	U	5
Hexachlorobutadiene	BQL	1880	ug/kg	U	5
Hexachlorocyclopentadiene	BQL	1880	ug/kg	U	5
Hexachloroethane	BQL	1880	ug/kg	U	5
Indeno(1,2,3-c,d)Pyrene	BQL	1880	ug/kg	U	5
Isophorone	BQL	1880	ug/kg	U	5
Naphthalene	BQL	1880	ug/kg	U	5
Nitrobenzene	BQL	1880	ug/kg	U	5
Pentachlorophenol	BQL	3770	ug/kg	U	5
Phenanthrene	BQL	1880	ug/kg	U	5
Phenol	BQL	1880	ug/kg	U	5
Pyrene	BQL	1880	ug/kg	U	5
bis(2-chloroethoxy) methane	BQL	1880	ug/kg	U	5
bis(2-chloroethyl) ether	BQL	1880	ug/kg	U	5
bis(2-ethylhexyl) phthalate	BQL	1880	ug/kg	U	5
di-n-Butyl Phthalate	BQL	1880	ug/kg	U	5
di-n-Octyl Phthalate	BQL	1880	ug/kg	U	5
n-Nitrosodi-n-Propylamine	BQL	1880	ug/kg	U	5
n-Nitrosodiphenylamine	BQL	1880	ug/kg	U	5

Summary of Analytical Results

Client ID AA0463
GPL ID: 9188-005-04-1
Matrix: Soil
Date Collected: Sep-29-2000
Date Received: Sep-30-2000

Prep Method: SW3550
Prep Date: Oct-09-2000
Prep Time: 00:00
Prep Chemist: Rekha Patel

Analytical Method: SW8270CTCL
Date Analyzed: Oct-30-2000
Time Analyzed 19:59
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	378	ug/kg	U	1
1,2-Dichlorobenzene	BQL	378	ug/kg	U	1
1,3-Dichlorobenzene	BQL	378	ug/kg	U	1
1,4-Dichlorobenzene	BQL	378	ug/kg	U	1
2,2-Oxybis(1-Chloro)Propane	BQL	378	ug/kg	U	1
2,4,5-Trichlorophenol	BQL	378	ug/kg	U	1
2,4,6-Trichlorophenol	BQL	378	ug/kg	U	1
2,4-Dichlorophenol	BQL	378	ug/kg	U	1
2,4-Dimethylphenol	BQL	378	ug/kg	U	1
2,4-Dinitrophenol	BQL	756	ug/kg	U	1
2,4-Dinitrotoluene	296	378	ug/kg	J	1
2,6-Dinitrotoluene	BQL	378	ug/kg	U	1
2-Chloronaphthalene	BQL	378	ug/kg	U	1
2-Chlorophenol	BQL	378	ug/kg	U	1
2-Methylnaphthalene	BQL	378	ug/kg	U	1
2-Nitroaniline	BQL	378	ug/kg	U	1
2-Nitrophenol	BQL	378	ug/kg	U	1
2-methylphenol	BQL	378	ug/kg	U	1
3,3-Dichlorobenzidine	BQL	756	ug/kg	U	1
3-Nitroaniline	BQL	378	ug/kg	U	1
4,6-dinitro-2-methyl phenol	BQL	756	ug/kg	U	1
4-Bromophenyl-phenylether	BQL	378	ug/kg	U	1
4-Chloroaniline	BQL	378	ug/kg	U	1
4-Chlorophenyl Phenyl Ether	BQL	378	ug/kg	U	1
4-Nitroaniline	BQL	378	ug/kg	U	1
4-Nitrophenol	BQL	756	ug/kg	U	1
4-chloro-3-methylphenol	BQL	378	ug/kg	U	1
4-methylphenol	BQL	378	ug/kg	U	1
Acenaphthene	BQL	378	ug/kg	U	1
Acenaphthylene	BQL	378	ug/kg	U	1
Anthracene	BQL	378	ug/kg	U	1
Benzo(a)anthracene	BQL	378	ug/kg	U	1
Benzo(a)pyrene	BQL	378	ug/kg	U	1
Benzo(b)fluoranthene	BQL	378	ug/kg	U	1
Benzo(g,h,i)perylene	BQL	378	ug/kg	U	1
Benzo(k)fluoranthene	BQL	378	ug/kg	U	1
Benzyl Butyl Phthalate	BQL	378	ug/kg	U	1
Carbazole	BQL	378	ug/kg	U	1
Chrysene	BQL	378	ug/kg	U	1

Summary of Analytical Results

Client ID AA0463
GPL ID: 9188-005-04-1
Matrix: Soil
Date Collected: Sep-29-2000
Date Received: Sep-30-2000

Prep Method: SW3550
Prep Date: Oct-09-2000
Prep Time: 00:00
Prep Chemist: Rekha Patel

Analytical Method: SW8270CTCL
Date Analyzed: Oct-30-2000
Time Analyzed 19:59
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	378	ug/kg	U	1
Dibenzofuran	BQL	378	ug/kg	U	1
Diethyl Phthalate	BQL	378	ug/kg	U	1
Dimethyl Phthalate	BQL	378	ug/kg	U	1
Fluoranthene	BQL	378	ug/kg	U	1
Fluorene	BQL	378	ug/kg	U	1
Hexachlorobenzene	BQL	378	ug/kg	U	1
Hexachlorobutadiene	BQL	378	ug/kg	U	1
Hexachlorocyclopentadiene	BQL	378	ug/kg	U	1
Hexachloroethane	BQL	378	ug/kg	U	1
Indeno(1,2,3-c,d)Pyrene	BQL	378	ug/kg	U	1
Isophorone	BQL	378	ug/kg	U	1
Naphthalene	BQL	378	ug/kg	U	1
Nitrobenzene	BQL	378	ug/kg	U	1
Pentachlorophenol	BQL	756	ug/kg	U	1
Phenanthrene	BQL	378	ug/kg	U	1
Phenol	BQL	378	ug/kg	U	1
Pyrene	BQL	378	ug/kg	U	1
bis(2-chloroethoxy) methane	BQL	378	ug/kg	U	1
bis(2-chloroethyl) ether	BQL	378	ug/kg	U	1
bis(2-ethylhexyl) phthalate	23.1	378	ug/kg	J	1
di-n-Butyl Phthalate	216	378	ug/kg	J	1
di-n-Octyl Phthalate	BQL	378	ug/kg	U	1
n-Nitrosodi-n-Propylamine	BQL	378	ug/kg	U	1
n-Nitrosodiphenylamine	BQL	378	ug/kg	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AA0464
GPL ID: 9188-006-04-1
Matrix: Soil
Date Collected: Sep-29-2000
Date Received: Sep-30-2000

Prep Method: SW3550
Prep Date: Oct-09-2000
Prep Time: 00:00
Prep Chemist: Rekha Patel

Analytical Method: SW8270CTCL
Date Analyzed: Oct-30-2000
Time Analyzed 20:47
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	387	ug/kg	U	1
1,2-Dichlorobenzene	BQL	387	ug/kg	U	1
1,3-Dichlorobenzene	BQL	387	ug/kg	U	1
1,4-Dichlorobenzene	BQL	387	ug/kg	U	1
2,2-Oxybis(1-Chloro)Propane	BQL	387	ug/kg	U	1
2,4,5-Trichlorophenol	BQL	387	ug/kg	U	1
2,4,6-Trichlorophenol	BQL	387	ug/kg	U	1
2,4-Dichlorophenol	BQL	387	ug/kg	U	1
2,4-Dimethylphenol	BQL	387	ug/kg	U	1
2,4-Dinitrophenol	BQL	773	ug/kg	U	1
2,4-Dinitrotoluene	BQL	387	ug/kg	U	1
2,6-Dinitrotoluene	BQL	387	ug/kg	U	1
2-Chloronaphthalene	BQL	387	ug/kg	U	1
2-Chlorophenol	BQL	387	ug/kg	U	1
2-Methylnaphthalene	BQL	387	ug/kg	U	1
2-Nitroaniline	BQL	387	ug/kg	U	1
2-Nitrophenol	BQL	387	ug/kg	U	1
2-methylphenol	BQL	387	ug/kg	U	1
3,3-Dichlorobenzidine	BQL	773	ug/kg	U	1
3-Nitroaniline	BQL	387	ug/kg	U	1
4,6-dinitro-2-methyl phenol	BQL	773	ug/kg	U	1
4-Bromophenyl-phenylether	BQL	387	ug/kg	U	1
4-Chloroaniline	BQL	387	ug/kg	U	1
4-Chlorophenyl Phenyl Ether	BQL	387	ug/kg	U	1
4-Nitroaniline	BQL	387	ug/kg	U	1
4-Nitrophenol	BQL	773	ug/kg	U	1
4-chloro-3-methylphenol	BQL	387	ug/kg	U	1
4-methylphenol	BQL	387	ug/kg	U	1
Acenaphthene	BQL	387	ug/kg	U	1
Acenaphthylene	BQL	387	ug/kg	U	1
Anthracene	BQL	387	ug/kg	U	1
Benzo(a)anthracene	BQL	387	ug/kg	U	1
Benzo(a)pyrene	BQL	387	ug/kg	U	1
Benzo(b)fluoranthene	BQL	387	ug/kg	U	1
Benzo(g,h,i)perylene	BQL	387	ug/kg	U	1
Benzo(k)fluoranthene	BQL	387	ug/kg	U	1
Benzyl Butyl Phthalate	BQL	387	ug/kg	U	1
Carbazole	BQL	387	ug/kg	U	1
Chrysene	BQL	387	ug/kg	U	1

Summary of Analytical Results

Client ID AA0464
GPL ID: 9188-006-04-1
Matrix: Soil
Date Collected: Sep-29-2000
Date Received: Sep-30-2000

Prep Method: SW3550
Prep Date: Oct-09-2000
Prep Time: 00:00
Prep Chemist: Rekha Patel

Analytical Method: SW8270CTCL
Date Analyzed: Oct-30-2000
Time Analyzed 20:47
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	387	ug/kg	U	1
Dibenzofuran	BQL	387	ug/kg	U	1
Diethyl Phthalate	BQL	387	ug/kg	U	1
Dimethyl Phthalate	BQL	387	ug/kg	U	1
Fluoranthene	BQL	387	ug/kg	U	1
Fluorene	BQL	387	ug/kg	U	1
Hexachlorobenzene	BQL	387	ug/kg	U	1
Hexachlorobutadiene	BQL	387	ug/kg	U	1
Hexachlorocyclopentadiene	BQL	387	ug/kg	U	1
Hexachloroethane	BQL	387	ug/kg	U	1
Indeno(1,2,3-c,d)Pyrene	BQL	387	ug/kg	U	1
Isophorone	BQL	387	ug/kg	U	1
Naphthalene	BQL	387	ug/kg	U	1
Nitrobenzene	BQL	387	ug/kg	U	1
Pentachlorophenol	BQL	773	ug/kg	U	1
Phenanthrene	BQL	387	ug/kg	U	1
Phenol	BQL	387	ug/kg	U	1
Pyrene	BQL	387	ug/kg	U	1
bis(2-chloroethoxy) methane	BQL	387	ug/kg	U	1
bis(2-chloroethyl) ether	BQL	387	ug/kg	U	1
bis(2-ethylhexyl) phthalate	BQL	387	ug/kg	U	1
di-n-Butyl Phthalate	BQL	387	ug/kg	U	1
di-n-Octyl Phthalate	BQL	387	ug/kg	U	1
n-Nitrosodi-n-Propylamine	BQL	387	ug/kg	U	1
n-Nitrosodiphenylamine	BQL	387	ug/kg	U	1

Summary of Analytical Results

Client ID AA0465DL
GPL ID: 9188-007-04-1
Matrix: Soil
Date Collected: Sep-29-2000
Date Received: Sep-30-2000

Prep Method: SW3550
Prep Date: Oct-09-2000
Prep Time: 00:00
Prep Chemist: Rekha Patel

Analytical Method: SW8270CTCL
Date Analyzed: Oct-31-2000
Time Analyzed 09:58
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	1770	ug/kg	U	5
1,2-Dichlorobenzene	BQL	1770	ug/kg	U	5
1,3-Dichlorobenzene	BQL	1770	ug/kg	U	5
1,4-Dichlorobenzene	BQL	1770	ug/kg	U	5
2,2-Oxybis(1-Chloro)Propane	BQL	1770	ug/kg	U	5
2,4,5-Trichlorophenol	BQL	1770	ug/kg	U	5
2,4,6-Trichlorophenol	BQL	1770	ug/kg	U	5
2,4-Dichlorophenol	BQL	1770	ug/kg	U	5
2,4-Dimethylphenol	BQL	1770	ug/kg	U	5
2,4-Dinitrophenol	BQL	3540	ug/kg	U	5
2,4-Dinitrotoluene	17500	1770	ug/kg		5
2,6-Dinitrotoluene	10100	1770	ug/kg		5
2-Chloronaphthalene	BQL	1770	ug/kg	U	5
2-Chlorophenol	BQL	1770	ug/kg	U	5
2-Methylnaphthalene	1150	1770	ug/kg	J	5
2-Nitroaniline	BQL	1770	ug/kg	U	5
2-Nitrophenol	BQL	1770	ug/kg	U	5
2-methylphenol	BQL	1770	ug/kg	U	5
3,3-Dichlorobenzidine	BQL	3540	ug/kg	U	5
3-Nitroaniline	BQL	1770	ug/kg	U	5
4,6-dinitro-2-methyl phenol	BQL	3540	ug/kg	U	5
4-Bromophenyl-phenylether	BQL	1770	ug/kg	U	5
4-Chloroaniline	BQL	1770	ug/kg	U	5
4-Chlorophenyl Phenyl Ether	BQL	1770	ug/kg	U	5
4-Nitroaniline	BQL	1770	ug/kg	U	5
4-Nitrophenol	BQL	3540	ug/kg	U	5
4-chloro-3-methylphenol	BQL	1770	ug/kg	U	5
4-methylphenol	BQL	1770	ug/kg	U	5
Acenaphthene	BQL	1770	ug/kg	U	5
Acenaphthylene	BQL	1770	ug/kg	U	5
Anthracene	BQL	1770	ug/kg	U	5
Benzo(a)anthracene	BQL	1770	ug/kg	U	5
Benzo(a)pyrene	BQL	1770	ug/kg	U	5
Benzo(b)fluoranthene	BQL	1770	ug/kg	U	5
Benzo(g,h,i)perylene	BQL	1770	ug/kg	U	5
Benzo(k)fluoranthene	BQL	1770	ug/kg	U	5
Benzyl Butyl Phthalate	BQL	1770	ug/kg	U	5
Carbazole	BQL	1770	ug/kg	U	5
Chrysene	BQL	1770	ug/kg	U	5

Summary of Analytical Results

Client ID AA0465DL
GPL ID: 9188-007-04-1
Matrix: Soil
Date Collected: Sep-29-2000
Date Received: Sep-30-2000

Prep Method: SW3550
Prep Date: Oct-09-2000
Prep Time: 00:00
Prep Chemist: Rekha Patel

Analytical Method: SW8270CTCL
Date Analyzed: Oct-31-2000
Time Analyzed 09:58
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	1770	ug/kg	U	5
Dibenzofuran	BQL	1770	ug/kg	U	5
Diethyl Phthalate	BQL	1770	ug/kg	U	5
Dimethyl Phthalate	BQL	1770	ug/kg	U	5
Fluoranthene	BQL	1770	ug/kg	U	5
Fluorene	BQL	1770	ug/kg	U	5
Hexachlorobenzene	BQL	1770	ug/kg	U	5
Hexachlorobutadiene	BQL	1770	ug/kg	U	5
Hexachlorocyclopentadiene	BQL	1770	ug/kg	U	5
Hexachloroethane	BQL	1770	ug/kg	U	5
Indeno(1,2,3-c,d)Pyrene	BQL	1770	ug/kg	U	5
Isophorone	BQL	1770	ug/kg	U	5
Naphthalene	652	1770	ug/kg	J	5
Nitrobenzene	BQL	1770	ug/kg	U	5
Pentachlorophenol	BQL	3540	ug/kg	U	5
Phenanthrene	450	1770	ug/kg	J	5
Phenol	BQL	1770	ug/kg	U	5
Pyrene	BQL	1770	ug/kg	U	5
bis(2-chloroethoxy) methane	BQL	1770	ug/kg	U	5
bis(2-chloroethyl) ether	BQL	1770	ug/kg	U	5
bis(2-ethylhexyl) phthalate	BQL	1770	ug/kg	U	5
di-n-Butyl Phthalate	BQL	1770	ug/kg	U	5
di-n-Octyl Phthalate	BQL	1770	ug/kg	U	5
n-Nitrosodi-n-Propylamine	BQL	1770	ug/kg	U	5
n-Nitrosodiphenylamine	BQL	1770	ug/kg	U	5

Summary of Analytical Results

Client ID AB0473
GPL ID: 9188-008-04-1
Matrix: Soil
Date Collected: Sep-29-2000
Date Received: Sep-30-2000

Prep Method: SW3550
Prep Date: Oct-09-2000
Prep Time: 00:00
Prep Chemist: Rekha Patel

Analytical Method: SW8270CTCL
Date Analyzed: Oct-31-2000
Time Analyzed 02:42
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	406	ug/kg	U	1
1,2-Dichlorobenzene	BQL	406	ug/kg	U	1
1,3-Dichlorobenzene	BQL	406	ug/kg	U	1
1,4-Dichlorobenzene	BQL	406	ug/kg	U	1
2,2-Oxybis(1-Chloro)Propane	BQL	406	ug/kg	U	1
2,4,5-Trichlorophenol	BQL	406	ug/kg	U	1
2,4,6-Trichlorophenol	BQL	406	ug/kg	U	1
2,4-Dichlorophenol	BQL	406	ug/kg	U	1
2,4-Dimethylphenol	BQL	406	ug/kg	U	1
2,4-Dinitrophenol	BQL	812	ug/kg	U	1
2,4-Dinitrotoluene	BQL	406	ug/kg	U	1
2,6-Dinitrotoluene	BQL	406	ug/kg	U	1
2-Chloronaphthalene	BQL	406	ug/kg	U	1
2-Chlorophenol	BQL	406	ug/kg	U	1
2-Methylnaphthalene	BQL	406	ug/kg	U	1
2-Nitroaniline	BQL	406	ug/kg	U	1
2-Nitrophenol	BQL	406	ug/kg	U	1
2-methylphenol	BQL	406	ug/kg	U	1
3,3-Dichlorobenzidine	BQL	812	ug/kg	U	1
3-Nitroaniline	BQL	406	ug/kg	U	1
4,6-dinitro-2-methyl phenol	BQL	812	ug/kg	U	1
4-Bromophenyl-phenylether	BQL	406	ug/kg	U	1
4-Chloroaniline	BQL	406	ug/kg	U	1
4-Chlorophenyl Phenyl Ether	BQL	406	ug/kg	U	1
4-Nitroaniline	BQL	406	ug/kg	U	1
4-Nitrophenol	BQL	812	ug/kg	U	1
4-chloro-3-methylphenol	BQL	406	ug/kg	U	1
4-methylphenol	BQL	406	ug/kg	U	1
Acenaphthene	BQL	406	ug/kg	U	1
Acenaphthylene	BQL	406	ug/kg	U	1
Anthracene	BQL	406	ug/kg	U	1
Benzo(a)anthracene	BQL	406	ug/kg	U	1
Benzo(a)pyrene	BQL	406	ug/kg	U	1
Benzo(b)fluoranthene	BQL	406	ug/kg	U	1
Benzo(g,h,i)perylene	BQL	406	ug/kg	U	1
Benzo(k)fluoranthene	BQL	406	ug/kg	U	1
Benzyl Butyl Phthalate	BQL	406	ug/kg	U	1
Carbazole	BQL	406	ug/kg	U	1
Chrysene	BQL	406	ug/kg	U	1

Summary of Analytical Results

Client ID AB0473
GPL ID: 9188-008-04-1
Matrix: Soil
Date Collected: Sep-29-2000
Date Received: Sep-30-2000

Prep Method: SW3550
Prep Date: Oct-09-2000
Prep Time: 00:00
Prep Chemist: Rekha Patel

Analytical Method: SW8270CTCL
Date Analyzed: Oct-31-2000
Time Analyzed 02:42
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	406	ug/kg	U	1
Dibenzofuran	BQL	406	ug/kg	U	1
Diethyl Phthalate	BQL	406	ug/kg	U	1
Dimethyl Phthalate	BQL	406	ug/kg	U	1
Fluoranthene	BQL	406	ug/kg	U	1
Fluorene	BQL	406	ug/kg	U	1
Hexachlorobenzene	BQL	406	ug/kg	U	1
Hexachlorobutadiene	BQL	406	ug/kg	U	1
Hexachlorocyclopentadiene	BQL	406	ug/kg	U	1
Hexachloroethane	BQL	406	ug/kg	U	1
Indeno(1,2,3-c,d)Pyrene	BQL	406	ug/kg	U	1
Isophorone	BQL	406	ug/kg	U	1
Naphthalene	BQL	406	ug/kg	U	1
Nitrobenzene	BQL	406	ug/kg	U	1
Pentachlorophenol	BQL	812	ug/kg	U	1
Phenanthrene	BQL	406	ug/kg	U	1
Phenol	BQL	406	ug/kg	U	1
Pyrene	BQL	406	ug/kg	U	1
bis(2-chloroethoxy) methane	BQL	406	ug/kg	U	1
bis(2-chloroethyl) ether	BQL	406	ug/kg	U	1
bis(2-ethylhexyl) phthalate	20.7	406	ug/kg	J	1
di-n-Butyl Phthalate	BQL	406	ug/kg	U	1
di-n-Octyl Phthalate	BQL	406	ug/kg	U	1
n-Nitrosodi-n-Propylamine	BQL	406	ug/kg	U	1
n-Nitrosodiphenylamine	BQL	406	ug/kg	U	1

Summary of Analytical Results

Client ID AB0474
GPL ID: 9188-009-04-1
Matrix: Soil
Date Collected: Sep-29-2000
Date Received: Sep-30-2000

Prep Method: SW3550
Prep Date: Oct-09-2000
Prep Time: 00:00
Prep Chemist: Rekha Patel

Analytical Method: SW8270CTCL
Date Analyzed: Oct-31-2000
Time Analyzed 03:29
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	385	ug/kg	U	1
1,2-Dichlorobenzene	BQL	385	ug/kg	U	1
1,3-Dichlorobenzene	BQL	385	ug/kg	U	1
1,4-Dichlorobenzene	BQL	385	ug/kg	U	1
2,2-Oxybis(1-Chloro)Propane	BQL	385	ug/kg	U	1
2,4,5-Trichlorophenol	BQL	385	ug/kg	U	1
2,4,6-Trichlorophenol	BQL	385	ug/kg	U	1
2,4-Dichlorophenol	BQL	385	ug/kg	U	1
2,4-Dimethylphenol	BQL	385	ug/kg	U	1
2,4-Dinitrophenol	BQL	769	ug/kg	U	1
2,4-Dinitrotoluene	BQL	385	ug/kg	U	1
2,6-Dinitrotoluene	BQL	385	ug/kg	U	1
2-Chloronaphthalene	BQL	385	ug/kg	U	1
2-Chlorophenol	BQL	385	ug/kg	U	1
2-Methylnaphthalene	BQL	385	ug/kg	U	1
2-Nitroaniline	BQL	385	ug/kg	U	1
2-Nitrophenol	BQL	385	ug/kg	U	1
2-methylphenol	BQL	385	ug/kg	U	1
3,3-Dichlorobenzidine	BQL	769	ug/kg	U	1
3-Nitroaniline	BQL	385	ug/kg	U	1
4,6-dinitro-2-methyl phenol	BQL	769	ug/kg	U	1
4-Bromophenyl-phenylether	BQL	385	ug/kg	U	1
4-Chloroaniline	BQL	385	ug/kg	U	1
4-Chlorophenyl Phenyl Ether	BQL	385	ug/kg	U	1
4-Nitroaniline	BQL	385	ug/kg	U	1
4-Nitrophenol	BQL	769	ug/kg	U	1
4-chloro-3-methylphenol	BQL	385	ug/kg	U	1
4-methylphenol	BQL	385	ug/kg	U	1
Acenaphthene	BQL	385	ug/kg	U	1
Acenaphthylene	BQL	385	ug/kg	U	1
Anthracene	BQL	385	ug/kg	U	1
Benzo(a)anthracene	BQL	385	ug/kg	U	1
Benzo(a)pyrene	BQL	385	ug/kg	U	1
Benzo(b)fluoranthene	BQL	385	ug/kg	U	1
Benzo(g,h,i)perylene	BQL	385	ug/kg	U	1
Benzo(k)fluoranthene	BQL	385	ug/kg	U	1
Benzyl Butyl Phthalate	BQL	385	ug/kg	U	1
Carbazole	BQL	385	ug/kg	U	1
Chrysene	BQL	385	ug/kg	U	1

Summary of Analytical Results

Client ID AB0474
GPL ID: 9188-009-04-1
Matrix: Soil
Date Collected: Sep-29-2000
Date Received: Sep-30-2000

Prep Method: SW3550
Prep Date: Oct-09-2000
Prep Time: 00:00
Prep Chemist: Rekha Patel

Analytical Method: SW8270CTCL
Date Analyzed: Oct-31-2000
Time Analyzed 03:29
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	385	ug/kg	U	1
Dibenzofuran	BQL	385	ug/kg	U	1
Diethyl Phthalate	BQL	385	ug/kg	U	1
Dimethyl Phthalate	BQL	385	ug/kg	U	1
Fluoranthene	BQL	385	ug/kg	U	1
Fluorene	BQL	385	ug/kg	U	1
Hexachlorobenzene	BQL	385	ug/kg	U	1
Hexachlorobutadiene	BQL	385	ug/kg	U	1
Hexachlorocyclopentadiene	BQL	385	ug/kg	U	1
Hexachloroethane	BQL	385	ug/kg	U	1
Indeno(1,2,3-c,d)Pyrene	BQL	385	ug/kg	U	1
Isophorone	BQL	385	ug/kg	U	1
Naphthalene	BQL	385	ug/kg	U	1
Nitrobenzene	BQL	385	ug/kg	U	1
Pentachlorophenol	BQL	769	ug/kg	U	1
Phenanthrene	BQL	385	ug/kg	U	1
Phenol	BQL	385	ug/kg	U	1
Pyrene	BQL	385	ug/kg	U	1
bis(2-chloroethoxy) methane	BQL	385	ug/kg	U	1
bis(2-chloroethyl) ether	BQL	385	ug/kg	U	1
bis(2-ethylhexyl) phthalate	BQL	385	ug/kg	U	1
di-n-Butyl Phthalate	BQL	385	ug/kg	U	1
di-n-Octyl Phthalate	BQL	385	ug/kg	U	1
n-Nitrosodi-n-Propylamine	BQL	385	ug/kg	U	1
n-Nitrosodiphenylamine	BQL	385	ug/kg	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AA0466DL
GPL ID: 9188-012-04-1
Matrix: Soil
Date Collected: Sep-28-2000
Date Received: Sep-30-2000

Prep Method: SW3550
Prep Date: Oct-09-2000
Prep Time: 00:00
Prep Chemist: Rekha Patel

Analytical Method: SW8270CTCL
Date Analyzed: Oct-31-2000
Time Analyzed 09:14
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	4050	ug/kg	U	10
1,2-Dichlorobenzene	BQL	4050	ug/kg	U	10
1,3-Dichlorobenzene	BQL	4050	ug/kg	U	10
1,4-Dichlorobenzene	BQL	4050	ug/kg	U	10
2,2-Oxybis(1-Chloro)Propane	BQL	4050	ug/kg	U	10
2,4,5-Trichlorophenol	BQL	4050	ug/kg	U	10
2,4,6-Trichlorophenol	BQL	4050	ug/kg	U	10
2,4-Dichlorophenol	BQL	4050	ug/kg	U	10
2,4-Dimethylphenol	BQL	4050	ug/kg	U	10
2,4-Dinitrophenol	BQL	8110	ug/kg	U	10
2,4-Dinitrotoluene	30200	4050	ug/kg		10
2,6-Dinitrotoluene	5010	4050	ug/kg		10
2-Chloronaphthalene	BQL	4050	ug/kg	U	10
2-Chlorophenol	BQL	4050	ug/kg	U	10
2-Methylnaphthalene	BQL	4050	ug/kg	U	10
2-Nitroaniline	BQL	4050	ug/kg	U	10
2-Nitrophenol	BQL	4050	ug/kg	U	10
2-methylphenol	BQL	4050	ug/kg	U	10
3,3-Dichlorobenzidine	BQL	8110	ug/kg	U	10
3-Nitroaniline	BQL	4050	ug/kg	U	10
4,6-dinitro-2-methyl phenol	BQL	8110	ug/kg	U	10
4-Bromophenyl-phenylether	BQL	4050	ug/kg	U	10
4-Chloroaniline	BQL	4050	ug/kg	U	10
4-Chlorophenyl Phenyl Ether	BQL	4050	ug/kg	U	10
4-Nitroaniline	BQL	4050	ug/kg	U	10
4-Nitrophenol	BQL	8110	ug/kg	U	10
4-chloro-3-methylphenol	BQL	4050	ug/kg	U	10
4-methylphenol	BQL	4050	ug/kg	U	10
Acenaphthene	BQL	4050	ug/kg	U	10
Acenaphthylene	BQL	4050	ug/kg	U	10
Anthracene	BQL	4050	ug/kg	U	10
Benzo(a)anthracene	BQL	4050	ug/kg	U	10
Benzo(a)pyrene	BQL	4050	ug/kg	U	10
Benzo(b)fluoranthene	BQL	4050	ug/kg	U	10
Benzo(g,h,i)perylene	BQL	4050	ug/kg	U	10
Benzo(k)fluoranthene	BQL	4050	ug/kg	U	10
Benzyl Butyl Phthalate	BQL	4050	ug/kg	U	10
Carbazole	BQL	4050	ug/kg	U	10
Chrysene	BQL	4050	ug/kg	U	10

Summary of Analytical Results

Client ID AA0466DL
GPL ID: 9188-012-04-1
Matrix: Soil
Date Collected: Sep-28-2000
Date Received: Sep-30-2000

Prep Method: SW3550
Prep Date: Oct-09-2000
Prep Time: 00:00
Prep Chemist: Rekha Patel

Analytical Method: SW8270CTCL
Date Analyzed: Oct-31-2000
Time Analyzed 09:14
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	4050	ug/kg	U	10
Dibenzofuran	BQL	4050	ug/kg	U	10
Diethyl Phthalate	BQL	4050	ug/kg	U	10
Dimethyl Phthalate	BQL	4050	ug/kg	U	10
Fluoranthene	BQL	4050	ug/kg	U	10
Fluorene	BQL	4050	ug/kg	U	10
Hexachlorobenzene	BQL	4050	ug/kg	U	10
Hexachlorobutadiene	BQL	4050	ug/kg	U	10
Hexachlorocyclopentadiene	BQL	4050	ug/kg	U	10
Hexachloroethane	BQL	4050	ug/kg	U	10
Indeno(1,2,3-c,d)Pyrene	BQL	4050	ug/kg	U	10
Isophorone	BQL	4050	ug/kg	U	10
Naphthalene	BQL	4050	ug/kg	U	10
Nitrobenzene	BQL	4050	ug/kg	U	10
Pentachlorophenol	BQL	8110	ug/kg	U	10
Phenanthrene	BQL	4050	ug/kg	U	10
Phenol	BQL	4050	ug/kg	U	10
Pyrene	BQL	4050	ug/kg	U	10
bis(2-chloroethoxy) methane	BQL	4050	ug/kg	U	10
bis(2-chloroethyl) ether	BQL	4050	ug/kg	U	10
bis(2-ethylhexyl) phthalate	BQL	4050	ug/kg	U	10
di-n-Butyl Phthalate	BQL	4050	ug/kg	U	10
di-n-Octyl Phthalate	BQL	4050	ug/kg	U	10
n-Nitrosodi-n-Propylamine	BQL	4050	ug/kg	U	10
n-Nitrosodiphenylamine	BQL	4050	ug/kg	U	10

2C
WATER SEMIVOLATILE SURROGATE RECOVERY

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBROOK

Lab Code: GPL Case No.: N/A SAS No.: N/A SDG No.: N/A

	Client SAMPLE NO.	S1 (2FP) #	S2 (PHL) #	S3 (NBZ) #	S4 (FBP) #	S5 (TBP) #	S6 (TPH) #	TOT OUT
01	BLK7182	58	88	64	86	132	124	0
02	BKS7182	70	102	80	73	105	104	0
03	AB3003	70	89	64	94	140	72	0
04	AB3009	83	92	63	103	162*	112	1
05	AB3009DL	56	63	59	68	66	73	0

				QC LIMITS
S1	(2FP)	=	2-Fluorophenol	(20-150)
S2	(PHL)	=	Phenol-d5	(30-150)
S3	(NBZ)	=	Nitrobenzene-d5	(20-137)
S4	(FBP)	=	2-Fluorobiphenyl	(23-110)
S5	(TBP)	=	2,4,6-Tribromophenol	(20-150)
S6	(TPH)	=	Terphenyl-d14	(20-138)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogate diluted out

2003

2D
SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBROOK

Lab Code: GPL Case No.: N/A SAS No.: N/A SDG No.: N/A

Level: (low/med) LOW

	Client SAMPLE NO.	S1 (2FP) #	S2 (PHL) #	S3 (NBZ) #	S4 (FBP) #	S5 (TBP) #	S6 (TPH) #	TOT OUT
01	BLK7244	67	69	79	77	62	98	0
02	BKS7244	68	72	91	85	67	99	0
03	AA0461	59	68	70	72	63	83	0
04	AA0461 MS	60	65	71	61	59	68	0
05	AA0461 MSD	60	70	73	64	65	75	0
06	AA0463	61	67	73	65	54	81	0
07	AA0464	65	69	74	65	55	80	0
08	AB0473	54	63	61	54	58	76	0
09	AB0474	56	68	68	65	50	75	0
10	AA0466DL	60 6*	73 7*	61 6*	53 5*	43 4*	65 6*	0 6
11	AA0465DL	62 12*	71 14*	64 13*	68 14*	58 12*	76 15*	0 6
12	AA0460DL	89 3*	76 4*	70 4*	73 4*	65 3*	91 5*	0 6
13	AA0462DL	65 13*	78 16*	68 14*	75 15*	66 13*	93 19*	0 6

MN 110100

				QC LIMITS
S1	(2FP)	=	2-Fluorophenol	(52-150)
S2	(PHL)	=	Phenol-d5	(20-150)
S3	(NBZ)	=	Nitrobenzene-d5	(26-150)
S4	(FBP)	=	2-Fluorobiphenyl	(41-128)
S5	(TBP)	=	2,4,6-Tribromophenol	(20-150)
S6	(TPH)	=	Terphenyl-d14	(52-110)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogate diluted out

2001

3C

WATER SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: GPL_LABORATORIES Contract: DAMES_MOORE

Lab Code: GPL Case No.: N/A SAS No.: N/A SDG No.: N/A

Matrix Spike - EPA Sample No.: MSPMWB18W27S0

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
Phenol	110	0.0	90	82	20 - 150
2-Chlorophenol	110	0.0	83	75	23 - 134
1,4-Dichlorobenzene	110	0.0	50	45	20 - 125
N-Nitroso-di-n-propylamine	110	0.0	81	74	20 - 150
1,2,4-Trichlorobenzene	110	0.0	62	56	23 - 114
4-Chloro-3-methylphenol	110	0.0	88	80	26 - 147
Acenaphthene	110	0.0	82	75	20 - 116
2,4-Dinitrotoluene	110	0.0	82	75	24 - 149
4-Nitrophenol	110	0.0	85	77	20 - 150
Pentachlorophenol	110	0.0	93	85	20 - 150
Pyrene	110	0.0	92	84	20 - 135

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Phenol	110	81	74	10	42	20 - 150
2-Chlorophenol	110	74	67	11	40	23 - 134
1,4-Dichlorobenzene	110	53	48	6	28	20 - 125
N-Nitroso-di-n-propylamine	110	84	76	3	38	20 - 150
1,2,4-Trichlorobenzene	110	67	61	9	28	23 - 114
4-Chloro-3-methylphenol	110	94	85	6	42	26 - 147
Acenaphthene	110	86	78	4	31	20 - 116
2,4-Dinitrotoluene	110	84	76	1	38	24 - 149
4-Nitrophenol	110	91	83	8	50	20 - 150
Pentachlorophenol	110	94	85	0	50	20 - 150
Pyrene	110	94	85	1	31	20 - 135

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 11 outside limits

Spike Recovery: 0 out of 22 outside limits

COMMENTS: _____

2005

3D

SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBROOK

Lab Code: GPL Case No.: N/A SAS No.: N/A SDG No.: N/A

Matrix Spike - EPA Sample No.: AA0461 Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC LIMITS REC.
Phenol	3900	0.0	3200	82	75 - 150
2-Chlorophenol	3900	0.0	2900	74	31 - 129
1,4-Dichlorobenzene	3900	0.0	2100	54	25 - 122
N-Nitroso-di-n-propylamine	3900	0.0	3200	82	20 - 150
1,2,4-Trichlorobenzene	3900	0.0	2300	59	51 - 120
4-Chloro-3-methylphenol	3900	0.0	3100	79	34 - 125
Acenaphthene	3900	0.0	2400	62	46 - 135
2,4-Dinitrotoluene	3900	1700	3900	56	38 - 137
4-Nitrophenol	3900	0.0	3300	85	20 - 150
Pentachlorophenol	3900	0.0	2600	67	32 - 137
Pyrene	3900	0.0	2700	69	24 - 144

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Phenol	3900	3300	85	4	35	75 - 150
2-Chlorophenol	3900	2900	74	0	50	31 - 129
1,4-Dichlorobenzene	3900	2100	54	0	27	25 - 122
N-Nitroso-di-n-propylamine	3900	3300	85	4	38	20 - 150
1,2,4-Trichlorobenzene	3900	2300	59	0	23	51 - 120
4-Chloro-3-methylphenol	3900	3600	92	15	33	34 - 125
Acenaphthene	3900	2500	64	3	19	46 - 135
2,4-Dinitrotoluene	3900	4300	67	18	47	38 - 137
4-Nitrophenol	3900	3700	95	11	50	20 - 150
Pentachlorophenol	3900	2900	74	10	47	32 - 137
Pyrene	3900	3000	77	11	36	24 - 144

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 11 outside limits

Spike Recovery: 0 out of 22 outside limits

COMMENTS:

2006

3F
WATER LABORATORY CONTROL SPIKE RECOVERY

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBROOK

Lab Code: GPL Case No.: N/A SDG No.: N/A

EPA Sample No.: BKS7182 CLIENT ID: BKS7182

DATE EXTRACTED: 10/4/00 WORK ORDER NO: 00-09-188

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	INTERNAL QC LIMITS
Phenol	100	110	110 *	30-100
2-Chlorophenol	100	80	80	67-105
1,4-Dichlorobenzene	100	62	62	43-101
N-Nitroso-Di-n-Propylamine	100	97	97	43-150
1,2,4-Trichlorobenzene	100	64	64	51-100
4-Chloro-3-methylphenol	100	100	100	61-125
Acenaphthene	100	86	86	35-125
2,4-Dinitrotoluene	100	72	72	66-123
4-Nitrophenol	100	93	93	20-150
Pentachlorophenol	100	99	99	43-150
Pyrene	100	100	100	56-116

COMMENTS:

3F
SOIL LABORATORY CONTROL SPIKE RECOVERY

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBROOK

Lab Code: GPL SDG No.: N/A

EPA Sample No.: BKS7244 CLIENT ID: BKS7244

DATE EXTRACTED: 10/9/00 WORK ORDER NO: 00-09-188

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	INTERNAL QC LIMITS
Phenol	3300	3000	91	47-111
2-Chlorophenol	3300	3100	94	52-124
1,4-Dichlorobenzene	3300	2500	76	52-112
N-Nitroso-Di-n-Propylamine	3300	3400	103	70-150
1,2,4-Trichlorobenzene	3300	2600	79	63-112
4-Chloro-3-methylphenol	3300	3200	97	63-125
Acenaphthene	3300	2400	73	45-104
2,4-Dinitrotoluene	3300	3000	91	56-133
4-Nitrophenol	3300	3100	94	44-150
Pentachlorophenol	3300	3000	91	27-142
Pyrene	3300	3200	97	56-106

*Values outside internal limits

COMMENTS:

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

BLK7182

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBRO

Lab Code: GPL Case No.: N/A SAS No.: N/A SDG No.: N/A

Lab File ID: P09373.D Lab Sample ID: BLK7182

Instrument ID: HP#P Date Extracted: 10/04/00

Matrix: (soil/water) WATER Date Analyzed: 10/21/00

Level: (low/med) LOW Time Analyzed: 03:09

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	Client SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	BKS7182	BKS7182	P09374.D	10/21/00
02	AB3003	9188-010-06-1	P09379.D	10/21/00
03	AB3009	9188-011-07-1/2	P09380.D	10/21/00
04	AB3009DL	9188-011-07-1/2DL	P09387.D	10/21/00

COMMENTS:

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

BLK7244

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBRO

Lab Code: GPL Case No.: N/A SAS No.: N/A SDG No.: N/A

Lab File ID: P09532.D Lab Sample ID: BLK7244

Instrument ID: HP#P Date Extracted: 10/09/00

Matrix: (soil/water) SOIL Date Analyzed: 10/30/00

Level: (low/med) LOW Time Analyzed: 15:11

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	Client SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	BKS7244	BKS7244	P09533.D	10/30/00
02	AA0461	9188-003-04-1	P09534.D	10/30/00
03	AA0461 MS	9188-003-04-1 MS	P09535.D	10/30/00
04	AA0461 MSD	9188-003-04-1 MSD	P09536.D	10/30/00
05	AA0463	9188-005-04-1	P09538.D	10/30/00
06	AA0464	9188-006-04-1	P09539.D	10/30/00
07	AB0473	9188-008-04-1	P09547.D	10/31/00
08	AB0474	9188-009-04-1	P09548.D	10/31/00
09	AA0466DL	9188-012-04-1DL	P09555.D	10/31/00
10	AA0465DL	9188-007-04-1DL	P09556.D	10/31/00
11	AA0460DL	9188-002-04-1DL	P09557.D	10/31/00
12	AA0462DL	9188-004-04-1DL	P09558.D	10/31/00

COMMENTS:

2010

Summary of Analytical Results

Client ID AA0460
GPL ID: 9188-002-04-1
Matrix: Soil
Date Collected: Sep-29-2000
Date Received: Sep-30-2000

Prep Method: EXT_SW8330
Prep Date: Oct-05-2000
Prep Time: 17:16
Prep Chemist: Shila Soleimani

Analytical Method: SW8330
Date Analyzed: Oct-18-2000
Time Analyzed 05:53
Analyst: Shukla Sarker

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
2,4,6-Trinitrotoluene	104000	10000	ug/kg		100
2,4-Dinitrotoluene	195000	10000	ug/kg		100

Summary of Analytical Results

Client ID AA0460
GPL ID: 9188-002-04-1
Matrix: Soil
Date Collected: Sep-29-2000
Date Received: Sep-30-2000

Prep Method: EXT_SW8330
Prep Date: Oct-05-2000
Prep Time: 17:16
Prep Chemist: Shila Soleimani

Analytical Method: SW8330
Date Analyzed: Oct-14-2000
Time Analyzed 18:18
Analyst: Shukla Sarker

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	BQL	100	ug/kg	U	1
1,3-Dinitrobenzene	BQL	100	ug/kg	U	1
2,6-Dinitrotoluene	BQL	100	ug/kg	U	1
2-Amino-4,6-Dinitrotoluene	BQL	100	ug/kg	U	1
4-Amino-2,6-Dinitrotoluene	BQL	100	ug/kg	U	1
HMX	BQL	200	ug/kg	U	1
Nitrobenzene	BQL	100	ug/kg	U	1
RDX	BQL	200	ug/kg	U	1
Tetryl	BQL	200	ug/kg	U	1
m-Nitrotoluene	BQL	200	ug/kg	U	1
o-Nitrotoluene	BQL	200	ug/kg	U	1
p-Nitrotoluene	BQL	200	ug/kg	U	1

Summary of Analytical Results

Client ID AA0461
GPL ID: 9188-003-04-1
Matrix: Soil
Date Collected: Sep-29-2000
Date Received: Sep-30-2000

Prep Method: EXT_SW8330
Prep Date: Oct-05-2000
Prep Time: 17:16
Prep Chemist: Shila Soleimani

Analytic Method: SW8330
Date Analyzed: Oct-14-2000
Time Analyzed 18:46
Analyst: Shukla Sarker

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	BQL	100	ug/kg	U	1
1,3-Dinitrobenzene	BQL	100	ug/kg	U	1
2,4,6-Trinitrotoluene	1310	100	ug/kg		1
2,4-Dinitrotoluene	3430	100	ug/kg		1
2,6-Dinitrotoluene	BQL	100	ug/kg	U	1
2-Amino-4,6-Dinitrotoluene	1050	100	ug/kg		1
4-Amino-2,6-Dinitrotoluene	2240	100	ug/kg		1
HMX	BQL	200	ug/kg	U	1
Nitrobenzene	BQL	100	ug/kg	U	1
RDX	BQL	200	ug/kg	U	1
Tetryl	BQL	200	ug/kg	U	1
m-Nitrotoluene	BQL	200	ug/kg	U	1
o-Nitrotoluene	528	200	ug/kg		1
p-Nitrotoluene	249	200	ug/kg		1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AA0462
GPL ID: 9188-004-04-1
Matrix: Soil
Date Collected: Sep-29-2000
Date Received: Sep-30-2000

Prep Method: EXT_SW8330
Prep Date: Oct-05-2000
Prep Time: 17:16
Prep Chemist: Shila Soleimani

Analytical Method: SW8330
Date Analyzed: Oct-18-2000
Time Analyzed 07:47
Analyst: Shukla Sarker

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
2,4-Dinitrotoluene	61800	9520	ug/kg		100
o-Nitrotoluene	152000	19000	ug/kg		100
p-Nitrotoluene	98400	19000	ug/kg		100

Summary of Analytical Results

Client ID AA0462
GPL ID: 9188-004-04-1
Matrix: Soil
Date Collected: Sep-29-2000
Date Received: Sep-30-2000

Prep Method: EXT_SW8330
Prep Date: Oct-05-2000
Prep Time: 17:16
Prep Chemist: Shila Soleimani

Analytical Method: SW8330
Date Analyzed: Oct-14-2000
Time Analyzed 19:15
Analyst: Shukla Sarker

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	BQL	95.2	ug/kg	U	1
1,3-Dinitrobenzene	BQL	95.2	ug/kg	U	1
2,4,6-Trinitrotoluene	15900	95.2	ug/kg		1
2,6-Dinitrotoluene	BQL	95.2	ug/kg	U	1
2-Amino-4,6-Dinitrotoluene	9490	95.2	ug/kg		1
4-Amino-2,6-Dinitrotoluene	9440	95.2	ug/kg		1
HMX	BQL	190	ug/kg	U	1
Nitrobenzene	BQL	95.2	ug/kg	U	1
RDX	BQL	190	ug/kg	U	1
Tetryl	BQL	190	ug/kg	U	1
m-Nitrotoluene	16900	190	ug/kg		1

Summary of Analytical Results

Client ID AA0463
GPL ID: 9188-005-04-1
Matrix: Soil
Date Collected: Sep-29-2000
Date Received: Sep-30-2000

Prep Method: EXT_SW8330
Prep Date: Oct-05-2000
Prep Time: 17:16
Prep Chemist: Shila Soleimani

Analytical Method: SW8330
Date Analyzed: Oct-18-2000
Time Analyzed 08:15
Analyst: Shukla Sarker

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
2,4,6-Trinitrotoluene	530000	10000	ug/kg		100
2-Amino-4,6-Dinitrotoluene	32600	10000	ug/kg		100

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AA0463
GPL ID: 9188-005-04-1
Matrix: Soil
Date Collected: Sep-29-2000
Date Received: Sep-30-2000

Prep Method: EXT_SW8330
Prep Date: Oct-05-2000
Prep Time: 17:16
Prep Chemist: Shila Soleimani

Analytical Method: SW8330
Date Analyzed: Oct-14-2000
Time Analyzed 19:43
Analyst: Shukla Sarker

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	123	100	ug/kg		1
1,3-Dinitrobenzene	BQL	100	ug/kg	U	1
2,4-Dinitrotoluene	BQL	100	ug/kg	U	1
2,6-Dinitrotoluene	BQL	100	ug/kg	U	1
4-Amino-2,6-Dinitrotoluene	16000	100	ug/kg		1
HMX	BQL	200	ug/kg	U	1
Nitrobenzene	119	100	ug/kg		1
RDX	BQL	200	ug/kg	U	1
Tetryl	BQL	200	ug/kg	U	1
m-Nitrotoluene	BQL	200	ug/kg	U	1
o-Nitrotoluene	BQL	200	ug/kg	U	1
p-Nitrotoluene	BQL	200	ug/kg	U	1

Summary of Analytical Results

Client ID AA0464
GPL ID: 9188-006-04-1
Matrix: Soil
Date Collected: Sep-29-2000
Date Received: Sep-30-2000

Prep Method: EXT_SW8330
Prep Date: Oct-05-2000
Prep Time: 17:16
Prep Chemist: Shila Soleimani

Analytical Method: SW8330
Date Analyzed: Oct-18-2000
Time Analyzed 08:44
Analyst: Shukla Sarker

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
2,4,6-Trinitrotoluene	92500	909	ug/kg		10

Summary of Analytical Results

Client ID AA0464
GPL ID: 9188-006-04-1
Matrix: Soil
Date Collected: Sep-29-2000
Date Received: Sep-30-2000

Prep Method: EXT_SW8330
Prep Date: Oct-05-2000
Prep Time: 17:16
Prep Chemist: Shila Soleimani

Analytical Method: SW8330
Date Analyzed: Oct-14-2000
Time Analyzed 21:38
Analyst: Shukla Sarker

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	76.1	90.9	ug/kg	J	1
1,3-Dinitrobenzene	BQL	90.9	ug/kg	U	1
2,4-Dinitrotoluene	BQL	90.9	ug/kg	U	1
2,6-Dinitrotoluene	BQL	90.9	ug/kg	U	1
2-Amino-4,6-Dinitrotoluene	1220	90.9	ug/kg		1
4-Amino-2,6-Dinitrotoluene	551	90.9	ug/kg		1
HMX	BQL	182	ug/kg	U	1
Nitrobenzene	136	90.9	ug/kg		1
RDX	BQL	182	ug/kg	U	1
Tetryl	BQL	182	ug/kg	U	1
m-Nitrotoluene	BQL	182	ug/kg	U	1
o-Nitrotoluene	BQL	182	ug/kg	U	1
p-Nitrotoluene	BQL	182	ug/kg	U	1

Summary of Analytical Results

Client ID AA0465
GPL ID: 9188-007-04-1
Matrix: Soil
Date Collected: Sep-29-2000
Date Received: Sep-30-2000

Prep Method: EXT_SW8330
Prep Date: Oct-05-2000
Prep Time: 17:16
Prep Chemist: Shila Soleimani

Analytical Method: SW8330
Date Analyzed: Oct-18-2000
Time Analyzed 09:12
Analyst: Shukla Sarker

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
2,4-Dinitrotoluene	76200	1000	ug/kg		10

Summary of Analytical Results

Client ID AA0465
GPL ID: 9188-007-04-1
Matrix: Soil
Date Collected: Sep-29-2000
Date Received: Sep-30-2000

Prep Method: EXT_SW8330
Prep Date: Oct-05-2000
Prep Time: 17:16
Prep Chemist: Shila Soleimani

Analytical Method: SW8330
Date Analyzed: Oct-14-2000
Time Analyzed 22:06
Analyst: Shukla Sarker

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	BQL	100	ug/kg	U	1
1,3-Dinitrobenzene	BQL	100	ug/kg	U	1
2,4,6-Trinitrotoluene	BQL	100	ug/kg	U	1
2,6-Dinitrotoluene	BQL	100	ug/kg	U	1
2-Amino-4,6-Dinitrotoluene	BQL	100	ug/kg	U	1
4-Amino-2,6-Dinitrotoluene	BQL	100	ug/kg	U	1
HMX	BQL	200	ug/kg	U	1
Nitrobenzene	BQL	100	ug/kg	U	1
RDX	BQL	200	ug/kg	U	1
Tetryl	BQL	200	ug/kg	U	1
m-Nitrotoluene	BQL	200	ug/kg	U	1
o-Nitrotoluene	245	200	ug/kg		1
p-Nitrotoluene	BQL	200	ug/kg	U	1

Summary of Analytical Results

Client ID AB0473
GPL ID: 9188-008-04-1
Matrix: Soil
Date Collected: Sep-29-2000
Date Received: Sep-30-2000

Prep Method: EXT_SW8330
Prep Date: Oct-05-2000
Prep Time: 17:16
Prep Chemist: Shila Soleimani

Analytical Method: SW8330
Date Analyzed: Oct-14-2000
Time Analyzed 23:03
Analyst: Shukla Sarker

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	BQL	100	ug/kg	U	1
1,3-Dinitrobenzene	BQL	100	ug/kg	U	1
2,4,6-Trinitrotoluene	1320	100	ug/kg		1
2,4-Dinitrotoluene	121	100	ug/kg		1
2,6-Dinitrotoluene	BQL	100	ug/kg	U	1
2-Amino-4,6-Dinitrotoluene	275	100	ug/kg		1
4-Amino-2,6-Dinitrotoluene	BQL	100	ug/kg	U	1
HMX	BQL	200	ug/kg	U	1
Nitrobenzene	BQL	100	ug/kg	U	1
RDX	BQL	200	ug/kg	U	1
Tetryl	BQL	200	ug/kg	U	1
m-Nitrotoluene	BQL	200	ug/kg	U	1
o-Nitrotoluene	BQL	200	ug/kg	U	1
p-Nitrotoluene	BQL	200	ug/kg	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB0474
GPL ID: 9188-009-04-1
Matrix: Soil
Date Collected: Sep-29-2000
Date Received: Sep-30-2000

Prep Method: EXT_SW8330
Prep Date: Oct-05-2000
Prep Time: 17:16
Prep Chemist: Shila Soleimani

Analytical Method: SW8330
Date Analyzed: Oct-14-2000
Time Analyzed 23:32
Analyst: Shukla Sarker

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	BQL	100	ug/kg	U	1
1,3-Dinitrobenzene	BQL	100	ug/kg	U	1
2,4,6-Trinitrotoluene	BQL	100	ug/kg	U	1
2,4-Dinitrotoluene	BQL	100	ug/kg	U	1
2,6-Dinitrotoluene	BQL	100	ug/kg	U	1
2-Amino-4,6-Dinitrotoluene	BQL	100	ug/kg	U	1
4-Amino-2,6-Dinitrotoluene	BQL	100	ug/kg	U	1
HMX	BQL	200	ug/kg	U	1
Nitrobenzene	BQL	100	ug/kg	U	1
RDX	BQL	200	ug/kg	U	1
Tetryl	BQL	200	ug/kg	U	1
m-Nitrotoluene	BQL	200	ug/kg	U	1
o-Nitrotoluene	BQL	200	ug/kg	U	1
p-Nitrotoluene	BQL	200	ug/kg	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB3003
GPL ID: 9188-010-04-1
Matrix: Water
Date Collected: Sep-28-2000
Date Received: Sep-30-2000

Prep Method: EXT_SW8330
Prep Date: Oct-04-2000
Prep Time: 22:07
Prep Chemist: Reynaldo Caraan

Analytical Method: SW8330
Date Analyzed: Oct-05-2000
Time Analyzed 21:32
Analyst: Shukla Sarker

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	BQL	0.26	ug/L	U	1
1,3-Dinitrobenzene	BQL	0.26	ug/L	U	1
2,4,6-Trinitrotoluene	2.13	0.26	ug/L		1
2,4-Dinitrotoluene	BQL	0.26	ug/L	U	1
2,6-Dinitrotoluene	BQL	0.26	ug/L	U	1
2-Amino-4,6-Dinitrotoluene	0.181	0.26	ug/L	J	1
4-Amino-2,6-Dinitrotoluene	0.715	0.26	ug/L		1
HMX	BQL	0.52	ug/L	U	1
Nitrobenzene	BQL	0.26	ug/L	U	1
RDX	BQL	0.52	ug/L	U	1
Tetryl	BQL	0.52	ug/L	U	1
m-Nitrotoluene	BQL	0.52	ug/L	U	1
o-Nitrotoluene	BQL	0.52	ug/L	U	1
p-Nitrotoluene	BQL	0.52	ug/L	U	1

Summary of Analytical Results

Client ID AB3009
GPL ID: 9188-011-04-1/2
Matrix: Water
Date Collected: Sep-29-2000
Date Received: Sep-30-2000

Prep Method: EXT_SW8330
Prep Date: Oct-04-2000
Prep Time: 22:07
Prep Chemist: Reynaldo Caraan

Analytical Method: SW8330
Date Analyzed: Oct-12-2000
Time Analyzed 15:23
Analyst: Shukla Sarker

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
2,4-Dinitrotoluene	453	26	ug/L		100
m-Nitrotoluene	182	51.9	ug/L		100
o-Nitrotoluene	2310	51.9	ug/L		100
p-Nitrotoluene	1290	51.9	ug/L		100

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB3009
GPL ID: 9188-011-04-1/2
Matrix: Water
Date Collected: Sep-29-2000
Date Received: Sep-30-2000

Prep Method: EXT_SW8330
Prep Date: Oct-04-2000
Prep Time: 22:07
Prep Chemist: Reynaldo Caraan

Analytical Method: SW8330
Date Analyzed: Oct-05-2000
Time Analyzed 22:00
Analyst: Shukla Sarker

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	BQL	0.26	ug/L	U	1
1,3-Dinitrobenzene	BQL	0.26	ug/L	U	1
2,4,6-Trinitrotoluene	3.90	0.26	ug/L		1
2,6-Dinitrotoluene	BQL	0.26	ug/L	U	1
2-Amino-4,6-Dinitrotoluene	40.3	0.26	ug/L		1
4-Amino-2,6-Dinitrotoluene	17.4	0.26	ug/L		1
HMX	BQL	0.519	ug/L	U	1
Nitrobenzene	BQL	0.26	ug/L	U	1
RDX	BQL	0.519	ug/L	U	1
Tetryl	BQL	0.519	ug/L	U	1

Summary of Analytical Results

Client ID AA0466
GPL ID: 9188-012-04-1
Matrix: Soil
Date Collected: Sep-28-2000
Date Received: Sep-30-2000

Prep Method: EXT_SW8330
Prep Date: Oct-05-2000
Prep Time: 17:16
Prep Chemist: Shila Soleimani

Analytical Method: SW8330
Date Analyzed: Oct-15-2000
Time Analyzed 00:00
Analyst: Shukla Sarker

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	BQL	100	ug/kg	U	1
1,3-Dinitrobenzene	BQL	100	ug/kg	U	1
2,4,6-Trinitrotoluene	817	100	ug/kg		1
2,6-Dinitrotoluene	BQL	100	ug/kg	U	1
4-Amino-2,6-Dinitrotoluene	10600	100	ug/kg		1
HMX	BQL	200	ug/kg	U	1
Nitrobenzene	BQL	100	ug/kg	U	1
RDX	BQL	200	ug/kg	U	1
Tetryl	BQL	200	ug/kg	U	1

Summary of Analytical Results

Client ID AA0466
GPL ID: 9188-012-04-1
Matrix: Soil
Date Collected: Sep-28-2000
Date Received: Sep-30-2000

Prep Method: EXT_SW8330
Prep Date: Oct-05-2000
Prep Time: 17:16
Prep Chemist: Shila Soleimani

Analytical Method: SW8330
Date Analyzed: Oct-31-2000
Time Analyzed 09:33
Analyst: Shukla Sarker

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
2,4-Dinitrotoluene	356000	10000	ug/kg		100
2-Amino-4,6-Dinitrotoluene	33600	10000	ug/kg		100
m-Nitrotoluene	59000	20000	ug/kg		100
o-Nitrotoluene	582000	20000	ug/kg		100
p-Nitrotoluene	484000	20000	ug/kg		100

2D
SOIL EXPLOSIVES SURROGATE RECOVERY

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBROOK

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Level: (low/med) LOW

	CLIENT SAMPLE NO.	S1 #	TOT OUT
01	NBLKA	88	0
02	NLCSA	90	0
03	AA0460	121	0
04	AA0461	97	0
05	AA0462	107	0
06	AA0463	77	0
07	AA0464	76	0
08	AA0465	88	0
09	AB0473	93	0
10	AB0474	97	0
11	AA0466	101	0
12	AA0460 DIL	* D	0 1
13	AA0462 DIL	* D	0 1
14	AA0463 DIL	* D	0 1
15	AA0464 DIL	9 * D	0 1
16	AA0465 DIL	10 * D	0 1
17	AA0466 DIL	* D	0 1

10-3/10

S1 = 4-NITROANILINE QC LIMITS (16-124)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogate diluted out

4003

2C
WATER EXPLOSIVES SURROGATE RECOVERY

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBROOK

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

	CLIENT SAMPLE NO.	S1 #	TOT OUT
01	NBLKB	93	0
02	NLCSB	92	0
03	AB3003	58	0
04	AB3009	58	0
05	AB3009 DIL	~~*~~ D	~~*~~

C 10-120

S1 = 4-NITROANILINE QC LIMITS (22-98)

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate diluted out

4004

3D

SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBROOK

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Matrix Spike - EPA Sample No.: LL1 1168 Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC LIMITS REC.
HMX	3000	1000	6600	187*	70- 113
1,3,5-TRINITROBENZENE	1500	0.0	1500	100	20- 150
TETRYL	3000	4300	2200	0*	20- 103
2,4,6-TRINITROTOLUENE	1500	4500	5000	34*	46- 150
4-AMINO-2,6-DINITROTOLU	1500	0.0	1300	87	39- 136
4-NITROTOLUENE	3000	0.0	2800	93	72- 114
RDX	3000	24000	30000	217*	70- 124
1,3-DINITROBENZENE	1500	0.0	1500	100	70- 127
NITROBENZENE	1500	0.0	1400	93	70- 120
2-AMINO-4,6-DINITROTOLU	1500	0.0	2100	140	43- 150
2,4-DINITROTOLUENE	3000	3700	2200	0*	56- 100
2-NITROTOLUENE	3000	0.0	3000	100	70- 116
3-NITROTOLUENE	3000	0.0	2800	93	70- 109

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
HMX	3000	4900	130*	36*	25	70- 113
1,3,5-TRINITROBENZENE	1500	1500	100	0	25	20- 150
TETRYL	3000	2300	0*	0	25	20- 103
2,4,6-TRINITROTOLUENE	1500	11000	433*	172*	25	46- 150
4-AMINO-2,6-DINITROTOLU	1500	1500	100	14	25	39- 136
4-NITROTOLUENE	3000	2700	90	3	25	72- 114
RDX	3000	27000	100	67*	25	70- 124
1,3-DINITROBENZENE	1500	1500	100	0	25	70- 127
NITROBENZENE	1500	1500	100	7	25	70- 120
2-AMINO-4,6-DINITROTOLU	1500	2400	160*	13	25	43- 150
2,4-DINITROTOLUENE	3000	2400	0*	0	25	56- 100
2-NITROTOLUENE	3000	2800	93	7	25	70- 116

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 3 out of 13 outside limits

Spike Recovery: 10 out of 26 outside limits

4005

COMMENTS:

3D

SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBROOK

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Matrix Spike - EPA Sample No.: LL1 1168 Level: (low/med) LOW

3-NITROTOLUENE	3000	2900	97	4	25	70 - 109

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 0 outside limits

Spike Recovery: 0 out of 0 outside limits

COMMENTS:

4006

3C

WATER EXPLOSIVES MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBROOK

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Matrix Spike - EPA Sample No.: L800-C5678

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
HMX	7.8	0.0	6.0	77	56 - 116
1,3,5-TRINITROBENZENE	3.9	0.0	3.2	82	26 - 150
TETRYL	7.8	0.0	3.8	49	20 - 143
2,4,6-TRINITROTOLUENE	3.9	0.0	4.5	115	38 - 157
4-AMINO-2,6-DINITROTOLU	3.9	0.0	3.4	87	60 - 128
RDX	7.8	0.74	6.7	77	41 - 121
1,3-DINITROBENZENE	3.9	0.0	3.1	79	50 - 115
NITROBENZENE	3.9	0.0	3.0	77	52 - 113
2-AMINO-4,6-DINITROTOLU	3.9	0.0	4.4	113	51 - 120
2,4-DINITROTOLUENE	7.8	0.0	4.4	56	48 - 97
4-NITROTOLUENE	7.8	0.0	6.6	85	41 - 128
2-NITROTOLUENE	7.8	0.0	5.7	73	45 - 125
3-NITROTOLUENE	7.8	0.0	6.5	83	50 - 117

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
HMX	7.8	5.2	67	14	25	56 - 116
1,3,5-TRINITROBENZENE	3.9	2.8	72	13	25	26 - 150
TETRYL	7.8	3.3	42	15	25	20 - 143
2,4,6-TRINITROTOLUENE	3.9	4.1	105	9	25	38 - 157
4-AMINO-2,6-DINITROTOLU	3.9	2.9	74	16	25	60 - 128
RDX	7.8	5.8	65	17	25	41 - 121
1,3-DINITROBENZENE	3.9	2.7	69	14	25	50 - 115
NITROBENZENE	3.9	2.6	67	14	25	52 - 113
2-AMINO-4,6-DINITROTOLU	3.9	4.0	103	9	25	51 - 120
2,4-DINITROTOLUENE	7.8	3.9	50	11	25	48 - 97
4-NITROTOLUENE	7.8	5.7	73	15	25	41 - 128
2-NITROTOLUENE	7.8	5.6	72	1	25	45 - 125

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 13 outside limits

Spike Recovery: 0 out of 26 outside limits

COMMENTS:

4007

3C

WATER EXPLOSIVES MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBROOK

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Matrix Spike - EPA Sample No.: L800-C5678

3-NITROTOLUENE	7.8	5.6	72	14	25	50 -	117

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 0 outside limits

Spike Recovery: 0 out of 0 outside limits

COMMENTS:

4008

3F

SOIL LABORATORY CONTROL SPIKE RECOVERY

Lab Name: GPL Laboratories Contract: IT_PLUMBROOK

Lab Code: GPLL Case No.: N/A SAS No. N/A SDG No. N/A

EPA Sample No.: NLCSA GP ID: BLK7203

COMPOUND	SPIKE ADDED (ug/kg)	LCS CONCENTRATION (ug/kg)	LCS % REC	QC LIMITS
HMX	3000	2900	97	70-114
1,3,5-TNB	1500	1562	104	70-118
TETRYL	3000	2322	77	26-100
TNT	1500	1908	127	70-150
4-AMINO-2,6-DNT	1500	1794	120*	60-112
4-NITROTOLUENE	3000	2808	94	70-119
RDX	3000	2906	97	70-118
1,3-DINITROBENZENE	1500	1486	99	70-118
NITROBENZENE	1500	1420	95	70-121
2-AMINO-4,6-DNT	1500	1678	112	69-146
2,4-DNT	3000	2333	78	64-100
2-NITROTOLUENE	3000	2933	98	70-122
3-NITROTOLUENE	3000	2805	94	70-111

* OUTSIDE QC LIMIT

COMMENTS:

3F

WATER LABORATORY CONTROL SPIKE RECOVERY

Lab Name: GPL Laboratories Contract: IT_PLUMBROOK

Lab Code: GPLL Case No.: N/A SAS No. N/A SDG No.: N/A

EPA Sample No.: NLCSB GP ID: BKS7187

COMPOUND	SPIKE ADDED ug/l	LCS CONCENTRATION ug/l	LCS % REC	QC LIMITS
HMX	7.8	6.9	89	70-127
1,3,5-TNB	3.9	3.7	95	20-150
TETRYL	7.8	4.6	60	20-104
TNT	3.9	4.7	120	70-150
4-AMINO-2,6-DNT	3.9	3.9	100	63-121
4-NITROTOLUENE	7.8	7.5	97	57-139
RDX	7.8	7.9	101	70-124
1,3-DINITROBENZENE	3.9	3.7	94	65-141
NITROBENZENE	3.9	3.6	92	71-134
2-AMINO-4,6-DNT	3.9	4.8	122	43-150
2,4-DNT	7.8	4.9	63	53-101
2-NITROTOLUENE	7.8	7.4	95	63-132
3-NITROTOLUENE	7.8	7.3	94	68-133

* OUTSIDE QC LIMIT

COMMENTS:

FORM III 8330

4B

EXPLOSIVES METHOD BLANK SUMMARY

EPA SAMPLE NO.

NBLKA

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBRO

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Lab File ID: LCA2608.D Lab Sample ID: BLK7203

Instrument ID: LCA Date Extracted: 10/05/00

Matrix: (soil/water) SOIL Date Analyzed: 10/14/00

Level: (low/med) LOW Time Analyzed: 17:21

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	Client Sample NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	NLCSA	BKS7203	LCA2609.D	10/14/00
02	AA0460	9188-002	LCA2610.D	10/14/00
03	AA0461	9188-003	LCA2611.D	10/14/00
04	AA0462	9188-004	LCA2612.D	10/14/00
05	AA0463	9188-005	LCA2613.D	10/14/00
06	AA0464	9188-006	LCA2617.D	10/14/00
07	AA0465	9188-007	LCA2618.D	10/14/00
08	AB0473	9188-008	LCA2620.D	10/14/00
09	AB0474	9188-009	LCA2621.D	10/14/00
10	AA0466	9188-012	LCA2622.D	10/15/00
11	AA0460 DIL	9188-002 100X	LCA2702.D	10/18/00
12	AA0462 DIL	9188-004 100X	LCA2706.D	10/18/00
13	AA0463 DIL	9188-005 100X	LCA2707.D	10/18/00
14	AA0464 DIL	9188-006 10X	LCA2708.D	10/18/00
15	AA0465 DIL	9188-007 10X	LCA2709.D	10/18/00
16	AA0466 DIL	9188-012-100X	LCA3071.D	10/31/00

COMMENTS:

4B

EXPLOSIVES METHOD BLANK SUMMARY

EPA SAMPLE NO.

NBLKB

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBRO

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Lab File ID: LCA2337.D Lab Sample ID: BLK7187

Instrument ID: LCA Date Extracted: 10/05/00

Matrix: (soil/water) WATER Date Analyzed: 10/05/00

Level: (low/med) LOW Time Analyzed: 15:21

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	Client Sample NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	NLCSB	BKS7187	LCA2338.D	10/05/00
02	AB3003	9188-010	LCA2350.D	10/05/00
03	AB3009	9188-011	LCA2351.D	10/05/00
04	AB3009 DIL	9188-011 100X	LCA2548.D	10/12/00

COMMENTS:

4012

GPL LABORATORIES, LLLP

Qualifier Definitions

U = Indicates that the compound was analyzed for but not detected at or above the reporting limit

Organics:

B = Indicates that the analyte was found in the associated blank as well as in the sample

D = Indicates that the analyte was reported from a diluted analysis

E = Indicates that the concentration detected exceeded the calibration range of the instrument

J = Value is less than the reporting limits but greater than the MDL

P = Indicates that there is greater than 25% difference for detected pesticide/Aroclor results between the two GC columns

Metals:

B = Indicates that the reported value was less than the reporting limit but greater than or equal to the IDL/MDL

E = Indicates that reported value is estimated because of the possible presence of interference (i.e., the serial dilution not within control limits)

H = Indicates that the element was found in the associated blank as well as in the sample and the value is greater than or equal to the reporting limit

N = Spiked sample recovery not within control limits

• = Duplicate analysis not within control limits

IT CORPORATION
A Member of The IT Group

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 09292000-GPL

Project Number: 773206
Samples Shipment Date: 29 SEP 2000
Project Name: PLUMBROOK ORDNANCE WOR
ab Destination: GPL Labotatories
Sample Coordinator: Duane Nielsen
Lab Contact: Bill Lock
Turnaround Time:
Project Contact: Kim Napier
Carrier/Waybill No.: Fed Ex/8212 2620 3239

Bill To: Accounts Receivable
312 Directors Drive
Knoxville TN 37923

Report To: Kim Napier
312 Directors Drive
Knoxville TN 37923

Special Instructions:

Possible Hazard Indentification:

Non-hazard | Flammable | Skin Irritant | Poison B | Unknown X

1. Relinquished By (Signature/Affiliation) Clint Fosher — Date: 9/29/00 Time: 18:00
2. Relinquished By (Signature/Affiliation) — Date: Time:
3. Relinquished By (Signature/Affiliation) — Date: Time:

Sample Disposal:

Return to Client | Disposal by Lab X | Archive (mos.)

1. Received By (Signature/Affiliation) — Date: Time:
2. Received By (Signature/Affiliation) — Date: Time:
3. Received By (Signature/Affiliation) C Lyon — Date: 9/30/00 Time: 11:05 Am

Comments:

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
09292000-TB2	FIELDQC-BW-09292000-TB2-TB	29 SEP 2000	07:00	40 ml GVIAL,SEP	2	HCl<pH 2	TCL Volatiles by SW-846 8260B	N		
AA0460	PBOW-00-SO-TNTA-SO012-AA0460-(04-06)	29 SEP 2000	12:40	5 oz ENCORE	3	None except cool to 4 C	TCL Volatiles by SW-846 8260B	N		
AA0460	PBOW-00-SO-TNTA-SO012-AA0460-(04-06)	29 SEP 2000	12:40	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by SW-846 8330, TAL Metals by SW-846 6010B/7471A in soil	N		
AA0460	PBOW-00-SO-TNTA-SO012-AA0460-(04-06)	29 SEP 2000	12:40	8 oz CWM	1	None except cool to 4 C	PCBs by SW-846 8082, TCL Semivolatiles by SW-846 8270C	N		
AA0461	PBOW-00-SO-TNTA-SO062-AA0461-(04-06)	29 SEP 2000	13:40	5 oz ENCORE	3	None except cool to 4 C	TCL Volatiles by SW-846 8260B	N		
AA0461	PBOW-00-SO-TNTA-SO062-AA0461-(04-06)	29 SEP 2000	13:40	8 oz CWM	1	None except cool to 4 C	PCBs by SW-846 8082, TCL Semivolatiles by SW-846 8270C	N		

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9188

IT CORPORATION
A Member of The IT Group

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 09292000-GPL

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
AA0461	PBOW-00-SO-TNTA-SO062-AA0461-(04-06)	29 SEP 2000	13:40	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by SW-846 8330, TAL Metals by SW-846 6010B/7471A in soil	N		
AA0462	PBOW-00-SO-TNTA-SO062-AA0462-(08-10)	29 SEP 2000	14:00	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by SW-846 8330, TAL Metals by SW-846 6010B/7471A in soil	N		
AA0462	PBOW-00-SO-TNTA-SO062-AA0462-(08-10)	29 SEP 2000	14:00	5 oz ENCORE	3	None except cool to 4 C	TCL Volatiles by SW-846 8260B	N		
AA0462	PBOW-00-SO-TNTA-SO062-AA0462-(08-10)	29 SEP 2000	14:00	8 oz CWM	1	None except cool to 4 C	PCBs by SW-846 8082, TCL Semivolatiles by SW-846 8270C	N		
AA0463	PBOW-00-SO-TNTA-SO080-AA0463-(04-06)	29 SEP 2000	10:00	5 oz ENCORE	3	None except cool to 4 C	TCL Volatiles by SW-846 8260B	N		
AA0463	PBOW-00-SO-TNTA-SO080-AA0463-(04-06)	29 SEP 2000	10:00	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by SW-846 8330, TAL Metals by SW-846 6010B/7471A in soil	N		
AA0463	PBOW-00-SO-TNTA-SO080-AA0463-(04-06)	29 SEP 2000	10:00	8 oz CWM	1	None except cool to 4 C	PCBs by SW-846 8082, TCL Semivolatiles by SW-846 8270C	N		
AA0464	PBOW-00-SO-TNTA-SO080-AA0464-(08-10)	29 SEP 2000	10:15	5 oz ENCORE	3	None except cool to 4 C	TCL Volatiles by SW-846 8260B	N		
AA0464	PBOW-00-SO-TNTA-SO080-AA0464-(08-10)	29 SEP 2000	10:15	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by SW-846 8330, TAL Metals by SW-846 6010B/7471A in soil	N		
AA0464	PBOW-00-SO-TNTA-SO080-AA0464-(08-10)	29 SEP 2000	10:15	8 oz CWM	1	None except cool to 4 C	PCBs by SW-846 8082, TCL Semivolatiles by SW-846 8270C	N		
AA0465	PBOW-00-SO-TNTA-SO094-AA0465-(05-07)	29 SEP 2000	09:00	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by SW-846 8330, TAL Metals by SW-846 6010B/7471A in soil	N		
AA0465	PBOW-00-SO-TNTA-SO094-AA0465-(05-07)	29 SEP 2000	09:00	5 oz ENCORE	3	None except cool to 4 C	TCL Volatiles by SW-846 8260B	N		
AA0465	PBOW-00-SO-TNTA-SO094-AA0465-(05-07)	29 SEP 2000	09:00	8 oz CWM	1	None except cool to 4 C	PCBs by SW-846 8082, TCL Semivolatiles by SW-846 8270C	N		
AB0473	TNTC-SO252-SB-AB0473-REG	29 SEP 2000	16:00	5 oz ENCORE	3	None except cool to 4 C	TCL Volatiles by SW-846 8260B	N		
AB0473	TNTC-SO252-SB-AB0473-REG	29 SEP 2000	16:00	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by SW-846 8330, TAL Metals by SW-846 6010B/7471A in soil	N		
AB0473	TNTC-SO252-SB-AB0473-REG	29 SEP 2000	16:00	8 oz CWM	1	None except cool to 4 C	PCBs by SW-846 8082, TCL Semivolatiles by SW-846 8270C	N		
AB0473	TNTC-SO252-SB-AB0473-REG	29 SEP 2000	16:00	SLEEVE	1	None except cool to 4 C	TCL Volatiles by SW-846 8260B	N		
AB0474	TNTC-SO252-SB-AB0474-REG	29 SEP 2000	16:20	5 oz ENCORE	3	None except cool to 4 C	TCL Volatiles by SW-846 8260B	N		
AB0474	TNTC-SO252-SB-AB0474-REG	29 SEP 2000	16:20	SLEEVE	1	None except cool to 4 C	TCL Volatiles by SW-846 8260B	N		
AB0474	TNTC-SO252-SB-AB0474-REG	29 SEP 2000	16:20	8 oz CWM	1	None except cool to 4 C	PCBs by SW-846 8082, TCL Semivolatiles by SW-846 8270C	N		
AB0474	TNTC-SO252-SB-AB0474-REG	29 SEP 2000	16:20	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by SW-846 8330, TAL Metals by SW-846 6010B/7471A in soil	N		
AB3003	PBOW-00-GW-TNTC-GW03-AB3003-(00-00)	28 SEP 2000	08:30	40 mL GVIAL,SEP	3	HCl<pH 2	TCL Volatiles by SW-846 8260B	N		
AB3003	PBOW-00-GW-TNTC-GW03-AB3003-(00-00)	28 SEP 2000	08:30	1 L Amb. Glass	1	None except cool to 4 C	TCL Semivolatiles by SW-846 8270C	N		
3003	PBOW-00-GW-TNTC-GW03-AB3003-(00-00)	28 SEP 2000	08:30	1 L Amb. Glass	1	None except cool to 4 C	Nitroaromatics by SW-846 8330	N		
	PBOW-00-GW-TNTC-GW03-AB3003-(00-00)	28 SEP 2000	08:30	1 L HDPE	1	HNO3, pH<2	TAL Metals by SW-846 6010B/7470A in water	N		
	PBOW-00-GW-TNTC-GW03-AB3003-(00-00)	28 SEP 2000	08:30	1 L Amb. Glass	1	None except cool to 4 C	PCBs by SW-846 8082	N		

RE, AT 0830 on 9.29.00 9188

IT CORPORATION

A Member of The IT Group

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 09292000-GPL

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
AB3009	PBOW-00-GW-TNTC-GW09-AB3009-(00-00)	29 SEP 2000	09:10	40 mL GVIAL,SEP	3	HCl<pH 2	TCL Volatiles by SW-846 8260B	N		
AB3009	PBOW-00-GW-TNTC-GW09-AB3009-(00-00)	29 SEP 2000	09:10	1 L Amb. Glass	2	None except cool to 4 C	TCL Semivolatiles by SW-846 8270C	N		
AB3009	PBOW-00-GW-TNTC-GW09-AB3009-(00-00)	29 SEP 2000	09:10	1 L Amb. Glass	2	None except cool to 4 C	Nitroaromatics by SW-846 8330	N		
AB3009	PBOW-00-GW-TNTC-GW09-AB3009-(00-00)	29 SEP 2000	09:10	1 L HDPE	1	HNO3, pH<2	TAL Metals by SW-846 6010B/7470A in water	N		
AB3009	PBOW-00-GW-TNTC-GW09-AB3009-(00-00)	29 SEP 2000	09:10	1 L Amb. Glass	2	None except cool to 4 C	PCBs by SW-846 8082	N		

918 8

Sample Preservation Check Documentation Form

WORK ORDER: 9178

Parameter:	Metals	Phenol	TPH O&G	Classical Parameters	Cyanide	Sulfide	Radiology	
Preservative:	HNO3	H2SO4	H2SO4	, H2SO4	NaOH	NaOH	H2SO4	Other Preservations
pH Value	<2	<2	<2	<2	>12	>9	<2	
CLIENT I.D.								

Sample Preservation Check Performed By: ______________ **Date:** __________

GPL Laboratories, LLLP

Figure 1
SAMPLE RECEIPT CHECKLIST

W.O. No: 9188

Client Name: IT Corporation

Date Received: 09/30/00

Time Received: 11:05

Received By: [illegible]

Carrier Name: Fed Ex

Prepared (Logged In) By: [illegible] 10/2/00 (Initials Date)

Project: Plumbrook Ordnance Works

Site:

VOA Holding Blank I.D. No:

	YES	NO
Airbill/Manifest Present?	✓	
No. 821226203239		
Shipping Container in Good Condition?	✓	
Custody Seals Present on Shipping Container?		✓
Condition: Broken ____		
Intact-not dated or signed ____		
Intact-dated and signed ____		
Usage of Tamper Evident Type		✓
Chain-of-Custody Present?	✓	
Chain-of-Custody Agrees with Sample Labels?	✓	
Chain-of-Custody Signed?	✓	
Packing Present in Shipping Container?	✓	
Type of Packing: Bubble wrap		
Custody seals on Sample Bottles?		✓
Condition: Good ____ Broken ____		
Total Number of Sample Bottles: 73		
Total Number of Samples: 11		
Samples Intact?	✓	
Sufficient Sample Volume for Indicated Test?	✓	

	YES	NO
Trip Blanks: No. of Sets: 1	✓	
Field Blanks: No. of Sets ____		✓
Equip. Blank: No. of Sets ____		✓
Field Duplicate: No. of Sets ____		✓
MS/MSD: No of Sets ____		✓
VOA Vials Have Zero Headspace?	✓	
Preservatives Added to Sample?	✓	
pH Check Required? Performed By? [illegible]	✓	
Ice Present in Shipping Container?	✓	

Container #	Temp.	Container #	Temp.
#1	4.0°C		
#2	5.0°C		
	2.0°C		

Project Manager Contacted?
Name: [illegible]
Date Contacted: 10/2/00

Any NO response must be detailed in the comments section below. If items are not applicable to particular samples or contracts, they should be marked N/A/

COMMENTS: Temperature by Temp Blank — Sample AA0466 hand written on COC by client. Containers Received for all parameters - [illegible] 10/2/00

Checklist Completed By: [illegible]

Date: 10/2/00

SOP No: F.2V10

11/8/00

Analytical Report For 10052

for

IT Corporation

Project Manager: Maureen McMyler

Project Name : Plumbrook Ordnance Works

November 7, 2000

GPL

Laboratories

D.R.D. for Bill Lock
Project Manager

Laboratory Director

202 Perry Parkway Gaithersburg, MD 20877 Phone (301) 926 6802 Fax: (301) 840) 1209
www.gplab.com

TOTAL # OF PAGES : 86

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CASE NARRATIVE

CLIENT: IT CORPORATION
PROJECT/SITE: PLUMBROOK ORDNANCE WORKS
WORK ORDER(S): 10052
REVIEW DATE: 11/07/00

The Case Narrative, Chain of Custody, Sample Receipt Checklist, and the cover page of the Analytical Report, are integral parts of GPL Laboratories' report package. If you did not receive all of these documents, please contact GPL immediately.

Sample Receipt

Five soils and four water samples were received on 10/11/2000. The samples were delivered by Fed Ex. The samples were received intact. Sample receipt conditions and temperatures are documented on the Sample Receipt Checklist.

Sample Analysis

Samples were prepared and analyzed by GPL using the analytical methodologies indicated on the Analytical Report of Analysis.

Volatile Analysis

1. Five soils and four water samples were analyzed for volatile organic using 8260B methodologies.

2. Percent surrogate and internal standard recoveries of samples AB0437, AB0438, and AB0439 were outside established QC limits in the initial analysis. The samples were reanalyzed within holding time to meet QC criteria for surrogate. Both data results were submitted with this package.

3. The matrix spike and matrix spike duplicate analyses for soil were shared with work order 10063. Percent RPD for chlorobenzene was outside QC limit. The matrix spike and matrix spike duplicate analyses for water were shared with work order 10037. Percent recovery of 1,1-dichloroethene and toluene was outside QC limits in the MS analysis. Percent RPD of all compounds was outside QC limit as well.

4. Three laboratory control sample (LCS) reports were submitted with this package. No LCS was reported for water sample ran on October 12, 2000. The LCS ran on this date acquired a GC signal during analysis, hence, no analyte was detected by the instrument.

5. The lowest calibration level reported for methylene chloride, acetone, trans-1,3-dichloropropene, and bromoform in the initial calibration curve report, 86_25W15.M, was 2 ug/L.

6. Methylene chloride was present on BLK7363 at 7 ug/Kg.

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CASE NARRATIVE

Semivolatile Analysis

1. Three water samples and five soil samples were extracted using method 3520C and 3550B respectively. These samples were analyzed for semivolatile organic compounds using USEPA method 8270C.

2. Several samples were analyzed at dilution due to the nature of their sample matrix. The sample IDs, dilution factors, and the modified sample IDs are listed below. Samples which required further dilution are listed below as well.

SAMPLE ID	DILUTION FACTOR	MODIFIED SAMPLE ID
AB0437	2X	AB0437DL
AB0438	10X	AB0438DL
AB0439	10X	AB0439DL
AB3002	20X	AB3002DL
AB3002DL	40X	AB3002DL2
AB3008	100X	AB3008DL
AB3008DL	500X	AB3008DL2

3. Samples AB3002DL and AB3008DL required analysis at further dilution de to the recovery of 2,6-Dinitrotoluene and 2,4-Dinitrotoluene above the calibration range of the curve.

4. For the water samples, QC was performed on sample AB3002. 2,4-Dinitrotoluene was not recovered due to high level of the target in the background sample. Pentachlorophenol was also outside of QC limits. A laboratory control spike was also performed with the batch. BKS7339 showed one matrix spike recovery outside of QC limits.

5. For the soil samples, matrix spike and duplicate analysis was shared with work order 9188. A laboratory control spike was also performed with the batch. BKS7342 showed two matrix spike recoveries outside of QC limits.

Pesticide/PCB/Herbicides

1. Three water and five soil samples were extracted and analyzed for PCB compounds using method 8082.

2. Matrix spike and MSD analysis was shared with WO# 10025 sample B-2 for soil and performed on sample AB3005 for water. Laboratory Control Sample was analyzed with each matrix. AR1016 recovery for BKS7348 was slightly above QC limits.

3. Surrogate TCX was outside QC limits on RTX-CLP2 for BKS7348. TCX was outside QC limits on RTX-CLP for AB3002 and AB3008 due to matrix interference. Surrogate DCB was outside QC limits on both columns for the all diluted samples AB0437, AB0438 and AB0439.

4. Concentrations reported on Form I are the higher values of results generated by two columns. However, the analyst based on the evaluation of quality control parameters determines the most reliable results. Flagged concentrations (*) on Form I indicate that reported results are the lower values.

5. Due to software limitations, some forms were corrected manually.

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CASE NARRATIVE

Explosives/HPLC

1. Five soil and three water samples were extracted and analyzed for explosive compounds using SW846 method 8330.

2. Matrix spike and matrix spike duplicate analyses were shared with GPL work-order 10041 for the soil batch. All target analyte recoveries were within control limits.

3. Matrix spike and matrix spike duplicate analyses were shared with GPL work-order 10021 for the water batch. The RPD for 1,3,5-TNB and Tetryl were slightly above the QC limit. All other target analyte recoveries were within control limits.

4. A laboratory control sample was extracted and analyzed along with each sample matrix batch. Percent recovery of 2,4-DNT in the soil LCS was slightly below QC limits. All other target analyte recoveries were within control limits.

5. All of the water and four of the five soil samples required diluted analysis for high levels of some explosive compounds.

6. Explosive compounds 2,4-DNT and 2,6-DNT co-elute on the primary column and the confirmation column. The mixture of 2,4-DNT and 2,6-DNT in the LCS and MS/MSD samples is quantitated and reported as 2,4-DNT. A peak detected in the retention time window of 2,4-DNT and 2,6-DNT on both columns will be reported as an isomeric pair in samples under the results for 2,4-DNT.

7. Manual integration was performed on some data files, when automatic integration provided by the software was inappropriate. Some forms were "hand" corrected due to software limitations.

Metals

1. Three water samples and five soil samples were analyzed for HSL metals by EPA SW846 methodologies.

2. The soil and water samples were reported on separate forms.

3. A matrix spike, duplicate, and serial dilution were performed on the batch water sample 0010016-014 for all required ICP analytes. No control limits were applied to the matrix spike for calcium due to an insignificant spike addition. The duplicate was outside of the control limits for arsenic. All associated data was flagged with an "*".

4. A matrix spike and duplicate were performed on the batch water sample 0010057-04 for mercury. They were within the control limits.

5. A matrix spike, duplicate, and serial dilution were performed on the batch soil sample 0009180-04 for all required ICP analytes. The matrix spike was outside of the control limits for aluminum. All associated data was flagged with an "N". A post digestion analytical spike was performed with a recovery of 111.7%.

6. A matrix spike and duplicate were performed on the batch soil sample 0009165-30 for mercury. They were within the control limits.

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CASE NARRATIVE

7. Calibration standards are verified against independent check standards purchased from a commercial vendor of environmental standards.

8. All GPL QA/QC criteria were met with the exceptions of those mentioned above.

D.R.H. for Bill Lock
Project Manager

Lab Director

GPL LABORATORIES, LLP
ANALYTICAL RESULTS

Project Name : Plumbrook Ordnance Works

Date Printe November 7, 2000

GPL ID	Client ID
10052-002-06-1	AB0432
10052-003-05-1	AB0433
10052-004-06-1	AB0437
10052-005-06-1	AB0438
10052-006-06-1	AB0439
10052-007-10-1	AB3002
10052-008-10-1	AB3005
10052-009-10-1	AB3008
10052-002-06-1	AB0432
10052-003-05-1	AB0433
10052-004-06-1	AB0437
10052-005-06-1	AB0438
10052-006-06-1	AB0439
10052-007-10-1	AB3002
10052-008-10-1	AB3005
10052-009-10-1	AB3008
10052-002-06-1	AB0432
10052-003-05-1	AB0433
10052-004-06-1	AB0437
10052-005-06-1	AB0438
10052-006-06-1	AB0439
10052-007-06-1	AB3002
10052-008-06-1	AB3005
10052-009-06-1	AB3008
10052-002-05-1	AB0432
10052-003-04-1	AB0433
10052-004-05-1	AB0437
10052-004-05-1	AB0437DL
10052-005-05-1	AB0438
10052-005-05-1	AB0438DL
10052-006-05-1	AB0439
10052-006-05-1	AB0439DL
10052-002-01-1	AB0432
10052-003-01-1	AB0433
10052-004-01-1	AB0437
10052-005-01-1	AB0438
10052-006-01-1	AB0439
10052-001-02-2/3	10102000-TB2
10052-007-01-1	AB3002
10052-008-01-1	AB3005
10052-009-01-1	AB3008
10052-007-04-1	AB3002DL
10052-007-04-1	AB3002DL2
10052-007-04-1	AB3002DL
10052-007-04-1	AB3002DL2
10052-008-04-1	AB3005
10052-009-04-1	AB3008DL

GPL LABORATORIES, LLP
ANALYTICAL RESULTS

Project Name : Plumbrook Ordnance Works

Date Printe November 7, 2000

GPL ID	Client ID
10052-009-04-1	AB3008DL2
10052-009-04-1	AB3008DL
10052-009-04-1	AB3008DL2
10052-002-05-1	AB0432
10052-003-04-1	AB0433
10052-004-05-1	AB0437
10052-004-05-1	AB0437DL
10052-005-05-1	AB0438
10052-005-05-1	AB0438DL
10052-006-05-1	AB0439
10052-006-05-1	AB0439DL
10052-002-05-1	AB0432
10052-003-04-1	AB0433
10052-003-04-1	AB0433
10052-004-05-1	AB0437
10052-004-05-1	AB0437DL
10052-004-05-1	AB0437
10052-004-05-1	AB0437DL
10052-005-05-1	AB0438
10052-005-05-1	AB0438DL
10052-005-05-1	AB0438
10052-005-05-1	AB0438DL
10052-006-05-1	AB0439
10052-006-05-1	AB0439DL
10052-006-05-1	AB0439
10052-006-05-1	AB0439DL
10052-007-08-1	AB3002
10052-007-08-1	AB3002
10052-007-08-1	AB3002
10052-008-08-1	AB3005
10052-008-08-1	AB3005
10052-009-08-1	AB3008
10052-009-08-1	AB3008
10052-009-08-1	AB3008

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB0432	Prep Method:	Analytical Method: CLP_SOLIDS
GPL ID: 10052-002-06-1	Prep Date:	Date Analyzed: Oct-12-2000
Matrix: Soil	Prep Time:	Time Analyzed 13:05
Date Collected: Oct-10-2000	Prep Chemist:	Analyst: Roya Sabouri
Date Received: Oct-11-2000		

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Percent Solids	76.3	1	%		1

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Summary of Analytical Results

Client ID AB0433	Prep Method:	Analytical Method: CLP_SOLIDS
GPL ID: 10052-003-05-1	Prep Date:	Date Analyzed: Oct-12-2000
Matrix: Soil	Prep Time:	Time Analyzed 13:05
Date Collected: Oct-10-2000	Prep Chemist:	Analyst: Roya Sabouri
Date Received: Oct-11-2000		

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Percent Solids	76.7	1	%		1

Summary of Analytical Results

Client ID AB0437	Prep Method:	Analytical Method: CLP_SOLIDS
GPL ID: 10052-004-06-1	Prep Date:	Date Analyzed: Oct-12-2000
Matrix: Soil	Prep Time:	Time Analyzed 13:05
Date Collected: Oct-10-2000	Prep Chemist:	Analyst: Roya Sabouri
Date Received: Oct-11-2000		

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Percent Solids	78.8	1	%		1

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Summary of Analytical Results

Client ID AB0438	Prep Method:	Analytical Method: CLP_SOLIDS
GPL ID: 10052-005-06-1	Prep Date:	Date Analyzed: Oct-12-2000
Matrix: Soil	Prep Time:	Time Analyzed 13:05
Date Collected: Oct-10-2000	Prep Chemist:	Analyst: Roya Sabouri
Date Received: Oct-11-2000		

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Percent Solids	76.0	1	%		1

Summary of Analytical Results

Client ID AB0439	**Prep Method:**	**Analytical Method: CLP_SOLIDS**
GPL ID: 10052-006-06-1	**Prep Date:**	**Date Analyzed: Oct-12-2000**
Matrix: Soil	**Prep Time:**	**Time Analyzed 13:05**
Date Collected: Oct-10-2000	**Prep Chemist:**	**Analyst: Roya Sabouri**
Date Received: Oct-11-2000		

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Percent Solids	85.3	1	%		1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB3002
GPL ID: 10052-007-10-1
Matrix: Water
Date Collected: Oct-10-2000
Date Received: Oct-11-2000

Prep Method: SW3010A
Prep Date: Nov-03-2000
Prep Time: 08:21
Prep Chemist: Teshome Tamitre

Analytical Method: SW6010B
Date Analyzed: Nov-04-2000
Time Analyzed 20:24
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	15400	200	ug/L		1
Antimony	4.02	6	ug/L	B	1
Arsenic	9.86	5	ug/L		1
Barium	264	5	ug/L		1
Beryllium	1.18	1	ug/L		1
Cadmium	BQL	3	ug/L	U	1
Calcium	214000	500	ug/L		1
Chromium	48.6	5	ug/L		1
Cobalt	15.6	5	ug/L		1
Copper	41.4	5	ug/L		1
Iron	32200	100	ug/L		1
Lead	46.1	3	ug/L		1
Magnesium	37000	250	ug/L		1
Manganese	1170	5	ug/L		1
Nickel	38.6	5	ug/L		1
Potassium	4560	250	ug/L		1
Selenium	BQL	5	ug/L	U	1
Silver	BQL	3	ug/L	U	1
Sodium	2640	1000	ug/L		1
Thallium	BQL	10	ug/L	U	1
Vanadium	70.4	5	ug/L		1
Zinc	137	15	ug/L		1

Summary of Analytical Results

Client ID AB3005
GPL ID: 10052-008-10-1
Matrix: Water
Date Collected: Oct-10-2000
Date Received: Oct-11-2000

Prep Method: SW3010A
Prep Date: Nov-03-2000
Prep Time: 08:21
Prep Chemist: Teshome Tamitre

Analytical Method: SW6010B
Date Analyzed: Nov-04-2000
Time Analyzed 20:31
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	26400	200	ug/L		1
Antimony	BQL	6	ug/L	U	1
Arsenic	21.6	5	ug/L		1
Barium	207	5	ug/L		1
Beryllium	2.35	1	ug/L		1
Cadmium	0.962	3	ug/L	B	1
Calcium	224000	500	ug/L		1
Chromium	64.0	5	ug/L		1
Cobalt	28.2	5	ug/L		1
Copper	516	5	ug/L		1
Iron	72900	100	ug/L		1
Lead	2050	3	ug/L		1
Magnesium	50100	250	ug/L		1
Manganese	1040	5	ug/L		1
Nickel	86.4	5	ug/L		1
Potassium	13600	250	ug/L		1
Selenium	BQL	5	ug/L	U	1
Silver	0.703	3	ug/L	B	1
Sodium	23600	1000	ug/L		1
Thallium	BQL	10	ug/L	U	1
Vanadium	111	5	ug/L		1
Zinc	993	15	ug/L		1

Summary of Analytical Results

Client ID AB3008
GPL ID: 10052-009-10-1
Matrix: Water
Date Collected: Oct-10-2000
Date Received: Oct-11-2000

Prep Method: SW3010A
Prep Date: Nov-03-2000
Prep Time: 08:21
Prep Chemist: Teshome Tamitre

Analytical Method: SW6010B
Date Analyzed: Nov-04-2000
Time Analyzed 20:38
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	4470	200	ug/L		1
Antimony	BQL	6	ug/L	U	1
Arsenic	5.15	5	ug/L		1
Barium	140	5	ug/L		1
Beryllium	0.343	1	ug/L	B	1
Cadmium	BQL	3	ug/L	U	1
Calcium	154000	500	ug/L		1
Chromium	10.0	5	ug/L		1
Cobalt	5.93	5	ug/L		1
Copper	15.2	5	ug/L		1
Iron	7450	100	ug/L		1
Lead	20.8	3	ug/L		1
Magnesium	20700	250	ug/L		1
Manganese	317	5	ug/L		1
Nickel	16.6	5	ug/L		1
Potassium	1650	250	ug/L		1
Selenium	BQL	5	ug/L	U	1
Silver	BQL	3	ug/L	U	1
Sodium	1810	1000	ug/L		1
Thallium	BQL	10	ug/L	U	1
Vanadium	17.7	5	ug/L		1
Zinc	42.5	15	ug/L		1

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Summary of Analytical Results

Client ID AB0432
GPL ID: 10052-002-06-1
Matrix: Soil
Date Collected: Oct-10-2000
Date Received: Oct-11-2000

Prep Method: SW3050B
Prep Date: Oct-27-2000
Prep Time: 11:59
Prep Chemist: Rekha Patel

Analytical Method: SW6010B
Date Analyzed: Nov-03-2000
Time Analyzed 23:56
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	5290	51.9	mg/kg		2
Antimony	1.59	1.56	mg/kg		2
Arsenic	3.86	1.3	mg/kg		2
Barium	57.7	1.3	mg/kg		2
Beryllium	0.403	0.26	mg/kg		2
Cadmium	0.316	0.779	mg/kg	B	2
Calcium	10700	130	mg/kg		2
Chromium	13.7	1.3	mg/kg		2
Cobalt	5.03	1.3	mg/kg		2
Copper	99.8	1.3	mg/kg		2
Iron	12900	26	mg/kg		2
Lead	361	0.779	mg/kg		2
Magnesium	1660	64.9	mg/kg		2
Manganese	505	1.3	mg/kg		2
Nickel	11.9	1.3	mg/kg		2
Potassium	1070	64.9	mg/kg		2
Selenium	BQL	1.3	mg/kg	U	2
Silver	BQL	0.779	mg/kg	U	2
Sodium	227	260	mg/kg	B	2
Thallium	BQL	2.6	mg/kg	U	2
Vanadium	16.9	1.3	mg/kg		2
Zinc	171	3.89	mg/kg		2

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB0433
GPL ID: 10052-003-05-1
Matrix: Soil
Date Collected: Oct-10-2000
Date Received: Oct-11-2000

Prep Method: SW3050B
Prep Date: Oct-27-2000
Prep Time: 11:59
Prep Chemist: Rekha Patel

Analytical Method: SW6010B
Date Analyzed: Nov-04-2000
Time Analyzed 00:03
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	3750	50.2	mg/kg		2
Antimony	BQL	1.51	mg/kg	U	2
Arsenic	3.68	1.25	mg/kg		2
Barium	14.6	1.25	mg/kg		2
Beryllium	0.280	0.251	mg/kg		2
Cadmium	BQL	0.753	mg/kg	U	2
Calcium	2790	125	mg/kg		2
Chromium	7.44	1.25	mg/kg		2
Cobalt	3.16	1.25	mg/kg		2
Copper	5.36	1.25	mg/kg		2
Iron	8140	25.1	mg/kg		2
Lead	15.3	0.753	mg/kg		2
Magnesium	1660	62.7	mg/kg		2
Manganese	122	1.25	mg/kg		2
Nickel	9.44	1.25	mg/kg		2
Potassium	639	62.7	mg/kg		2
Selenium	BQL	1.25	mg/kg	U	2
Silver	BQL	0.753	mg/kg	U	2
Sodium	110	251	mg/kg	B	2
Thallium	BQL	2.51	mg/kg	U	2
Vanadium	12.2	1.25	mg/kg		2
Zinc	31.3	3.76	mg/kg		2

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB0437
GPL ID: 10052-004-06-1
Matrix: Soil
Date Collected: Oct-10-2000
Date Received: Oct-11-2000

Prep Method: SW3050B
Prep Date: Oct-27-2000
Prep Time: 11:59
Prep Chemist: Rekha Patel

Analytical Method: SW6010B
Date Analyzed: Nov-04-2000
Time Analyzed 00:10
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	3630	47.9	mg/kg		2
Antimony	0.680	1.44	mg/kg	B	2
Arsenic	3.94	1.2	mg/kg		2
Barium	24.1	1.2	mg/kg		2
Beryllium	0.297	0.24	mg/kg		2
Cadmium	0.272	0.719	mg/kg	B	2
Calcium	35600	120	mg/kg		2
Chromium	6.76	1.2	mg/kg		2
Cobalt	2.25	1.2	mg/kg		2
Copper	43.7	1.2	mg/kg		2
Iron	10900	24	mg/kg		2
Lead	195	0.719	mg/kg		2
Magnesium	5890	59.9	mg/kg		2
Manganese	334	1.2	mg/kg		2
Nickel	8.17	1.2	mg/kg		2
Potassium	441	59.9	mg/kg		2
Selenium	BQL	1.2	mg/kg	U	2
Silver	BQL	0.719	mg/kg	U	2
Sodium	223	240	mg/kg	B	2
Thallium	BQL	2.4	mg/kg	U	2
Vanadium	10.9	1.2	mg/kg		2
Zinc	121	3.59	mg/kg		2

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB0438
GPL ID: 10052-005-06-1
Matrix: Soil
Date Collected: Oct-10-2000
Date Received: Oct-11-2000

Prep Method: SW3050B
Prep Date: Oct-27-2000
Prep Time: 11:59
Prep Chemist: Rekha Patel

Analytical Method: SW6010B
Date Analyzed: Nov-04-2000
Time Analyzed 00:17
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	3090	51.6	mg/kg		2
Antimony	BQL	1.55	mg/kg	U	2
Arsenic	4.02	1.29	mg/kg		2
Barium	26.4	1.29	mg/kg		2
Beryllium	0.247	0.258	mg/kg	B	2
Cadmium	0.545	0.774	mg/kg	B	2
Calcium	55100	129	mg/kg		2
Chromium	8.17	1.29	mg/kg		2
Cobalt	2.25	1.29	mg/kg		2
Copper	28.6	1.29	mg/kg		2
Iron	11400	25.8	mg/kg		2
Lead	621	0.774	mg/kg		2
Magnesium	6770	64.5	mg/kg		2
Manganese	286	1.29	mg/kg		2
Nickel	8.74	1.29	mg/kg		2
Potassium	452	64.5	mg/kg		2
Selenium	BQL	1.29	mg/kg	U	2
Silver	BQL	0.774	mg/kg	U	2
Sodium	173	258	mg/kg	B	2
Thallium	BQL	2.58	mg/kg	U	2
Vanadium	10.5	1.29	mg/kg		2
Zinc	240	3.87	mg/kg		2

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB0439
GPL ID: 10052-006-06-1
Matrix: Soil
Date Collected: Oct-10-2000
Date Received: Oct-11-2000

Prep Method: SW3050B
Prep Date: Oct-27-2000
Prep Time: 11:59
Prep Chemist: Rekha Patel

Analytical Method: SW6010B
Date Analyzed: Nov-04-2000
Time Analyzed 00:24
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	3690	46.9	mg/kg		2
Antimony	0.783	1.41	mg/kg	B	2
Arsenic	2.95	1.17	mg/kg		2
Barium	22.5	1.17	mg/kg		2
Beryllium	0.275	0.234	mg/kg		2
Cadmium	0.606	0.703	mg/kg	B	2
Calcium	13400	117	mg/kg		2
Chromium	7.85	1.17	mg/kg		2
Cobalt	2.56	1.17	mg/kg		2
Copper	30.3	1.17	mg/kg		2
Iron	9550	23.4	mg/kg		2
Lead	212	0.703	mg/kg		2
Magnesium	2710	58.6	mg/kg		2
Manganese	199	1.17	mg/kg		2
Nickel	8.26	1.17	mg/kg		2
Potassium	469	58.6	mg/kg		2
Selenium	BQL	1.17	mg/kg	U	2
Silver	BQL	0.703	mg/kg	U	2
Sodium	207	234	mg/kg	B	2
Thallium	BQL	2.35	mg/kg	U	2
Vanadium	11.7	1.17	mg/kg		2
Zinc	193	3.52	mg/kg		2

Summary of Analytical Results

Client ID AB3002
GPL ID: 10052-007-10-1
Matrix: Water
Date Collected: Oct-10-2000
Date Received: Oct-11-2000

Prep Method: SW7470A_DIG
Prep Date: Oct-23-2000
Prep Time: 14:00
Prep Chemist: Kelvin Choi

Analytical Method: SW7470A
Date Analyzed: Oct-24-2000
Time Analyzed 11:51
Analyst: Kelvin Choi

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	BQL	0.2	ug/L	U	1

Summary of Analytical Results

Client ID AB3005
GPL ID: 10052-008-10-1
Matrix: Water
Date Collected: Oct-10-2000
Date Received: Oct-11-2000

Prep Method: SW7470A_DIG
Prep Date: Oct-23-2000
Prep Time: 14:00
Prep Chemist: Kelvin Choi

Analytical Method: SW7470A
Date Analyzed: Oct-24-2000
Time Analyzed 11:54
Analyst: Kelvin Choi

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	9.30	0.2	ug/L		1

Summary of Analytical Results

Client ID AB3008
GPL ID: 10052-009-10-1
Matrix: Water
Date Collected: Oct-10-2000
Date Received: Oct-11-2000

Prep Method: SW7470A_DIG
Prep Date: Oct-23-2000
Prep Time: 14:00
Prep Chemist: Kelvin Choi

Analytical Method: SW7470A
Date Analyzed: Oct-24-2000
Time Analyzed 11:56
Analyst: Kelvin Choi

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	BQL	0.2	ug/L	U	1

Summary of Analytical Results

Client ID AB0432
GPL ID: 10052-002-06-1
Matrix: Soil
Date Collected: Oct-10-2000
Date Received: Oct-11-2000

Prep Method: SW7471_DIG
Prep Date: Oct-16-2000
Prep Time: 11:50
Prep Chemist: Kelvin Choi

Analytical Method: SW7471A
Date Analyzed: Oct-17-2000
Time Analyzed 13:46
Analyst: Kelvin Choi

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	0.040	0.039	mg/kg		1

Summary of Analytical Results

Client ID AB0433
GPL ID: 10052-003-05-1
Matrix: Soil
Date Collected: Oct-10-2000
Date Received: Oct-11-2000

Prep Method: SW7471_DIG
Prep Date: Oct-16-2000
Prep Time: 11:50
Prep Chemist: Kelvin Choi

Analytical Method: SW7471A
Date Analyzed: Oct-17-2000
Time Analyzed 13:49
Analyst: Kelvin Choi

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	0.114	0.04	mg/kg		1

Summary of Analytical Results

Client ID AB0437
GPL ID: 10052-004-06-1
Matrix: Soil
Date Collected: Oct-10-2000
Date Received: Oct-11-2000

Prep Method: SW7471_DIG
Prep Date: Oct-16-2000
Prep Time: 11:50
Prep Chemist: Kelvin Choi

Analytical Method: SW7471A
Date Analyzed: Oct-17-2000
Time Analyzed 13:57
Analyst: Kelvin Choi

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	0.269	0.042	mg/kg		1

Summary of Analytical Results

Client ID AB0438
GPL ID: 10052-005-06-1
Matrix: Soil
Date Collected: Oct-10-2000
Date Received: Oct-11-2000

Prep Method: SW7471_DIG
Prep Date: Oct-16-2000
Prep Time: 11:50
Prep Chemist: Kelvin Choi

Analytical Method: SW7471A
Date Analyzed: Oct-17-2000
Time Analyzed 14:00
Analyst: Kelvin Choi

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	0.390	0.043	mg/kg		1

Summary of Analytical Results

Client ID AB0439
GPL ID: 10052-006-06-1
Matrix: Soil
Date Collected: Oct-10-2000
Date Received: Oct-11-2000

Prep Method: SW7471_DIG
Prep Date: Oct-16-2000
Prep Time: 11:50
Prep Chemist: Kelvin Choi

Analytical Method: SW7471A
Date Analyzed: Oct-17-2000
Time Analyzed 14:02
Analyst: Kelvin Choi

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	0.100	0.036	mg/kg		1

TOTAL METALS

-3-

BLANKS

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 10052S

Preparation Blank Matrix (soil/water): SOIL

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Aluminum	55.2	U	55.2	U	55.2	U	55.2	U	5.520	U	P
Antimony	2.7	U	2.7	U	2.7	U	2.7	U	0.270	U	P
Arsenic	4.0	U	4.0	U	4.6	B	4.0	B	0.400	U	P
Barium	0.5	U	0.5	U	0.5	U	0.5	U	0.077	B	P
Beryllium	0.1	U	0.1	U	0.1	U	0.1	U	0.010	U	P
Cadmium	0.4	U	0.4	U	0.4	U	0.4	U	0.040	U	P
Calcium	140.0	U	140.0	U	140.0	U	140.0	U	17.096	B	P
Chromium	0.6	U	0.6	U	0.6	U	0.6	U	0.060	U	P
Cobalt	1.3	U	1.3	U	1.3	U	1.3	U	0.130	U	P
Copper	1.0	U	1.0	U	1.0	U	1.0	U	0.135	B	P
Iron	17.7	U	17.7	U	17.7	U	19.4	B	1.770	U	P
Lead	1.3	U	1.3	U	1.3	U	1.4	B	0.153	B	P
Magnesium	6.0	U	16.5	B	12.5	B	31.4	B	2.923	B	P
Manganese	0.2	U	0.2	U	0.2	U	0.2	U	0.069	B	P
Mercury	0.1	U	0.1	U	0.1	U	0.1	U	0.025	B	CV
Nickel	1.0	U	1.0	U	1.0	U	1.0	U	0.100	U	P
Potassium	11.9	U	11.9	U	11.9	U	11.9	U	4.590	B	P
Selenium	3.3	U	3.3	U	3.3	U	3.3	U	0.330	U	P
Silver	1.8	U	1.8	U	1.8	U	1.8	U	0.180	U	P
Sodium	250.0	U	250.0	U	250.0	U	250.0	U	70.993	B	P
Thallium	5.0	U	5.0	U	5.0	U	5.0	U	-0.512	B	P
Vanadium	1.1	U	1.1	U	1.1	U	1.1	U	0.110	U	P
Zinc	4.2	U	4.2	U	4.2	U	4.2	U	0.420	U	P

TOTAL METALS

-3-

BLANKS

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 10052S

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C		Preparation Blank	C		M
Aluminum			55.2	U	55.2	U	55.2	U					P
Antimony			2.7	U	2.7	U	2.7	U					P
Arsenic			4.0	U	4.0	U	4.0	U					P
Barium			0.5	U	0.5	U	0.5	U					P
Beryllium			0.1	U	0.1	U	0.1	U					P
Cadmium			0.4	U	0.4	U	0.4	U					P
Calcium			140.0	U	140.0	U	140.0	U					P
Chromium			0.6	U	0.6	U	0.6	U					P
Cobalt			1.3	U	1.3	U	1.3	U					P
Copper			1.5	B	1.0	U	1.1	B					P
Iron			17.7	U	17.7	U	17.7	U					P
Lead			1.3	U	2.6	B	1.3	U					P
Magnesium			23.7	B	22.9	B	13.9	B					P
Manganese			0.2	B	0.2	U	0.2	U					P
Mercury			0.1	U	0.1	U	0.1	U					CV
Nickel			1.6	B	1.1	B	1.0	U					P
Potassium			13.1	B	11.9	U	18.3	B					P
Selenium			3.3	U	3.3	U	3.3	U					P
Silver			1.8	U	1.8	U	1.8	U					P
Sodium			250.0	U	250.0	U	250.0	U					P
Thallium			5.0	U	5.0	U	5.0	U					P
Vanadium			1.1	U	1.1	U	1.1	U					P
Zinc			4.2	U	4.2	U	4.2	U					P

TOTAL METALS

-3-

BLANKS

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 10052S

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C		Preparation Blank	C		M
Aluminum			55.2	U	55.2	U	55.2	U					P
Antimony			2.7	U	2.7	U	2.7	U					P
Arsenic			4.0	U	4.0	U	4.0	U					P
Barium			0.5	U	0.5	U	0.5	U					P
Beryllium			0.1	U	0.1	U	0.1	U					P
Cadmium			0.4	U	0.4	U	0.4	U					P
Calcium			140.0	U	140.0	U	140.0	U					P
Chromium			-0.6	B	0.6	U	0.6	U					P
Cobalt			1.3	U	1.3	U	1.3	U					P
Copper			1.0	U	1.0	U	1.0	U					P
Iron			17.7	U	17.7	U	17.7	U					P
Lead			1.3	U	1.4	B	1.5	B					P
Magnesium			14.7	B	25.6	B	17.2	B					P
Manganese			0.2	U	0.2	U	0.2	U					P
Mercury			0.1	U									CV
Nickel			1.0	U	1.0	U	1.4	B					P
Potassium			24.7	B	17.1	B	14.4	B					P
Selenium			3.3	U	3.3	U	3.3	U					P
Silver			1.8	U	1.8	U	1.8	U					P
Sodium			250.0	U	250.0	U	250.0	U					P
Thallium			5.0	U	5.0	U	5.0	U					P
Vanadium			1.1	U	1.1	U	1.1	U					P
Zinc			4.2	U	4.2	U	4.2	U					P

TOTAL METALS

-3-

BLANKS

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 10052S

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Aluminum			55.2	U	55.2	U					P
Antimony			2.7	U	2.7	U					P
Arsenic			4.4	B	4.0	U					P
Barium			0.5	U	0.5	U					P
Beryllium			0.1	U	0.1	U					P
Cadmium			0.4	U	0.4	U					P
Calcium			140.0	U	140.0	U					P
Chromium			0.6	U	-1.1	B					P
Cobalt			1.3	U	1.3	U					P
Copper			1.0	U	1.0	U					P
Iron			23.5	B	17.7	U					P
Lead			1.3	U	1.3	U					P
Magnesium			31.1	B	22.0	B					P
Manganese			0.4	B	0.2	U					P
Nickel			1.0	U	1.0	U					P
Potassium			14.2	B	14.9	B					P
Selenium			3.3	U	3.3	U					P
Silver			1.8	U	1.8	U					P
Sodium			250.0	U	250.0	U					P
Thallium			5.0	U	5.0	U					P
Vanadium			1.1	U	1.1	U					P
Zinc			4.2	U	4.2	U					P

TOTAL METALS
-5A-
SPIKE SAMPLE RECOVERY

SAMPLE NO.

0009165-30S

Contract:

Lab Code: Case No.: SAS SDG NO.: 10052S

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 74.9

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

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Mercury	75 - 125	0.6148		0.0169	U	0.60	103.0		CV

Comments:

TOTAL METALS
-5A-
SPIKE SAMPLE RECOVERY

SAMPLE NO.

9180-004-05-1S

Contract:

Lab Code: Case No.: SAS SDG NO.: 10052S

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 89.9

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

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum	75 - 125	7722.5575		4491.6680		2202.67	146.7	N	P
Antimony	75 - 125	16.4615		0.6007	U	22.03	74.7		P
Arsenic	75 - 125	12.8533		2.3404		11.01	95.5		P
Barium	75 - 125	135.6069		23.8314		110.13	101.5		P
Beryllium	75 - 125	11.3375		0.2697		11.01	100.5		P
Cadmium	75 - 125	10.7261		0.0890	U	11.01	97.4		P
Calcium	75 - 125	2433.7278		1251.0229		1101.33	107.4		P
Chromium	75 - 125	50.8498		6.2902		44.05	101.2		P
Cobalt	75 - 125	109.5015		1.5370		110.13	98.0		P
Copper	75 - 125	61.3405		5.8214		55.07	100.8		P
Iron	75 - 125	9524.2173		7419.3820		2202.67	95.6		P
Lead	75 - 125	121.9214		15.3556		110.13	96.8		P
Magnesium	75 - 125	1871.7060		695.0394		1101.33	106.8		P
Manganese	75 - 125	217.1548		107.4247		110.13	99.6		P
Nickel	75 - 125	113.3704		4.9770		110.13	98.4		P
Potassium	75 - 125	1503.6098		334.0378		1101.33	106.2		P
Selenium	75 - 125	10.1432		0.7341	U	11.01	92.1		P
Silver	75 - 125	10.8012		0.4004	U	11.01	98.1		P
Sodium	75 - 125	1232.7259		96.3062	B	1101.33	103.2		P
Thallium	75 - 125	9.4293		1.1123	U	11.01	85.6		P
Vanadium	75 - 125	121.9199		11.4303		110.13	100.3		P
Zinc	75 - 125	134.6455		25.1620		110.13	99.4		P

Comments:

TOTAL METALS

-6-

DUPLICATES

SAMPLE NO.

0009165-30D

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 10052S

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 74.9 % Solids for Duplicate: 74.9

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

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Mercury		0.0169	U	0.0183	U			CV

TOTAL METALS

-6-

DUPLICATES

SAMPLE NO.

9180-004-05-1D

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 10052S

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 89.9 % Solids for Duplicate: 89.9

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

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum		4491.6680		4561.2280		1.5		P
Antimony		0.6007	U	0.5947	U			P
Arsenic	1.1	2.3404		2.1947		6.4		P
Barium		23.8314		23.9959		0.7		P
Beryllium	0.2	0.2697		0.2764		2.5		P
Cadmium		0.0890	U	0.0881	U			P
Calcium		1251.0229		1244.1281		0.6		P
Chromium		6.2902		6.4695		2.8		P
Cobalt	1.1	1.5370		1.5462		0.6		P
Copper		5.8214		5.8545		0.6		P
Iron		7419.3820		7214.6396		2.8		P
Lead		15.3556		14.6049		5.0		P
Magnesium		695.0394		688.0824		1.0		P
Manganese		107.4247		104.0010		3.2		P
Nickel	1.1	4.9770		4.7966		3.7		P
Potassium		334.0378		331.7712		0.7		P
Selenium		0.7341	U	0.7269	U			P
Silver		0.4004	U	0.3965	U			P
Sodium		96.3062	B	122.3578	B	23.8		P
Thallium		1.1123	U	1.1013	U			P
Vanadium		11.4303		11.2199		1.9		P
Zinc		25.1620		25.2887		0.5		P

TOTAL METALS

-7-

LABORATORY CONTROL SAMPLE

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 10052S

Solid LCS Source: HIGH PURITY

Aqueous LCS Source:

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Aluminum				2000.0	1962.9		1600.0	2400.0	98.1
Antimony				20.0	18.6		16.0	24.0	93.0
Arsenic				10.0	10.0		8.0	12.0	99.9
Barium				100.0	98.8		80.0	120.0	98.8
Beryllium				10.0	9.9		8.0	12.0	99.2
Cadmium				10.0	9.7		8.0	12.0	96.7
Calcium				1000.0	972.5		800.0	1200.0	97.2
Chromium				40.0	39.2		32.0	48.0	97.9
Cobalt				100.0	96.5		80.0	120.0	96.4
Copper				50.0	49.6		40.0	60.0	99.3
Iron				2000.0	1901.2		1600.0	2400.0	95.1
Lead				100.0	97.7		80.0	120.0	97.7
Magnesium				1000.0	965.0		800.0	1200.0	96.5
Manganese				100.0	98.5		80.0	120.0	98.5
Mercury				0.5	0.5		0.4	0.6	106.7
Nickel				100.0	97.4		80.0	120.0	97.4
Potassium				1000.0	982.8		800.0	1200.0	98.3
Selenium				10.0	9.7		8.0	12.0	96.7
Silver				10.0	9.5		8.0	12.0	95.3
Sodium				1000.0	1052.0		800.0	1200.0	105.2
Thallium				10.0	9.0		8.0	12.0	89.8
Vanadium				100.0	97.7		80.0	120.0	97.7
Zinc				100.0	96.7		80.0	120.0	96.7

TOTAL METALS

-3-

BLANKS

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 10052W

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Aluminum	32.0	B	32.1	B	40.3	B	26.8	B	23.100	U	P
Antimony	3.7	U	4.0	B	3.7	U	3.7	U	3.700	U	P
Arsenic	3.2	U	3.2	U	3.2	U	3.2	U	3.200	U	P
Barium	0.6	U	0.6	U	0.6	U	0.6	U	0.600	U	P
Beryllium	0.1	B	0.1	B	0.1	U	0.1	U	0.100	U	P
Cadmium	0.4	U	0.4	U	0.4	U	0.4	U	0.400	U	P
Calcium	104.0	U	104.0	U	104.0	U	104.0	U	104.000	U	P
Chromium	0.8	U	0.8	U	0.8	U	0.8	U	0.800	U	P
Cobalt	0.9	U	0.9	U	0.9	U	0.9	U	0.900	U	P
Copper	1.2	U	1.2	U	1.2	U	1.2	U	1.200	U	P
Iron	20.3	B	21.3	B	26.6	B	18.0	B	16.019	B	P
Lead	1.5	U	1.5	U	1.5	U	1.5	U	1.500	U	P
Magnesium	22.4	U	24.5	B	29.3	B	32.5	B	25.524	B	P
Manganese	0.4	U	0.4	U	0.4	U	0.4	U	0.400	U	P
Mercury	0.1	U	0.1	U	0.1	U	0.1	U	0.100	U	CV
Nickel	2.0	U	2.0	U	2.0	U	2.0	U	2.000	U	P
Potassium	9.1	U	14.8	B	9.1	U	9.1	U	9.275	B	P
Selenium	2.3	U	2.5	B	2.3	U	3.6	B	2.300	U	P
Silver	0.7	U	0.7	U	0.7	U	-1.0	B	0.700	U	P
Sodium	198.0	U	227.2	B	198.0	U	198.0	U	198.000	U	P
Thallium	5.5	U	5.5	U	5.5	U	5.5	U	5.500	U	P
Vanadium	0.9	U	0.9	U	0.9	U	-1.0	B	0.900	U	P
Zinc	4.0	U	4.0	U	4.0	U	4.0	U	4.000	U	P

TOTAL METALS

-3-

BLANKS

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 10052W

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C		Preparation Blank	C		M
Aluminum			23.1	U	23.1	U	23.1	U					P
Antimony			3.7	U	3.7	U	3.7	U					P
Arsenic			3.2	U	3.2	U	3.2	U					P
Barium			0.6	U	0.6	U	0.6	U					P
Beryllium			0.1	U	0.1	U	0.1	U					P
Cadmium			0.4	U	0.4	U	0.4	U					P
Calcium			104.0	U	104.0	U	104.0	U					P
Chromium			0.8	U	0.8	U	0.8	U					P
Cobalt			0.9	U	0.9	U	0.9	U					P
Copper			1.2	U	1.2	U	-1.2	B					P
Iron			21.3	B	19.8	B	15.0	U					P
Lead			1.5	U	1.5	U	1.5	U					P
Magnesium			22.4	U	22.4	U	22.4	U					P
Manganese			0.4	U	0.4	U	0.4	U					P
Mercury			-0.1	B	-0.1	B	-0.1	B					CV
Nickel			2.0	U	2.0	U	2.0	U					P
Potassium			10.4	B	9.1	U	9.1	U					P
Selenium			2.3	B	2.3	U	2.3	U					P
Silver			0.7	U	0.7	U	0.7	U					P
Sodium			198.0	U	198.0	U	198.0	U					P
Thallium			5.5	U	5.5	U	5.5	U					P
Vanadium			0.9	U	0.9	U	-1.0	B					P
Zinc			4.0	U	4.0	U	4.0	U					P

TOTAL METALS

-3-

BLANKS

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 10052W

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C		Preparation Blank	C		M
Aluminum			33.5	B									P
Antimony			4.2	B									P
Arsenic			3.2	U									P
Barium			0.6	U									P
Beryllium			0.1	U									P
Cadmium			0.4	U									P
Calcium			104.0	U									P
Chromium			0.8	U									P
Cobalt			0.9	U									P
Copper			1.2	U									P
Iron			20.8	B									P
Lead			1.5	U									P
Magnesium			47.9	B									P
Manganese			0.4	U									P
Nickel			2.0	U									P
Potassium			9.1	U									P
Selenium			2.3	U									P
Silver			0.7	U									P
Sodium			198.0	U									P
Thallium			5.5	U									P
Vanadium			0.9	U									P
Zinc			4.0	U									P

TOTAL METALS
-5A-
SPIKE SAMPLE RECOVERY

SAMPLE NO.

0010057-04S

Contract:

Lab Code: Case No.: SAS SDG NO.: 10052W

Matrix (soil/water): WATER Level (low/med): LOW

% Solids for Sample: 0.0

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

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Mercury	75 - 125	1.1300		0.1000	U	1.00	113.0		CV

Comments:

GPL Laboratories, LLLP

TOTAL METALS
-5A-
SPIKE SAMPLE RECOVERY

SAMPLE NO.

10016-014-07-1S

Contract:

Lab Code: Case No.: SAS SDG NO.: 10052W

Matrix (soil/water): WATER Level (low/med): LOW

% Solids for Sample: 0.0

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

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum	75 - 125	2093.5544		41.6487	B	2000.00	102.6		P
Antimony	75 - 125	101.4350		3.7000	U	100.00	101.4		P
Arsenic	75 - 125	39.1311		3.2000	U	40.00	97.8		P
Barium	75 - 125	2096.9795		57.5852		2000.00	102.0		P
Beryllium	75 - 125	52.0939		0.1000	U	50.00	104.2		P
Cadmium	75 - 125	50.5918		0.4000	U	50.00	101.2		P
Calcium		78786.5781		73207.5859		5000.00	111.6		P
Chromium	75 - 125	206.4712		0.8000	U	200.00	103.2		P
Cobalt	75 - 125	504.8947		1.7970	B	500.00	100.6		P
Copper	75 - 125	259.6539		2.7253	B	250.00	102.8		P
Iron	75 - 125	1125.0042		136.6116		1000.00	98.8		P
Lead	75 - 125	21.1290		1.5000	U	20.00	105.6		P
Magnesium	75 - 125	22178.1523		17023.4219		5000.00	103.1		P
Manganese	75 - 125	952.1090		438.0971		500.00	102.8		P
Nickel	75 - 125	510.4955		2.0000	U	500.00	102.1		P
Potassium	75 - 125	2159.0491		1095.9722		1000.00	106.3		P
Selenium	75 - 125	60.2860		2.3000	U	60.00	100.5		P
Silver	75 - 125	51.1713		0.8103	B	50.00	100.7		P
Sodium	75 - 125	14764.5859		9698.5176		5000.00	101.3		P
Thallium	75 - 125	47.7728		5.5000	U	50.00	95.5		P
Vanadium	75 - 125	514.7593		0.9000	U	500.00	103.0		P
Zinc	75 - 125	659.5112		150.2780		500.00	101.8		P

Comments:

TOTAL METALS

-6-

DUPLICATES

SAMPLE NO.

0010057-04D

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 10052W

Matrix (soil/water): WATER Level (low/med): LOW

% Solids for Sample: 0.0 % Solids for Duplicate:

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

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Mercury		0.1000	U	0.1000	U			CV

TOTAL METALS

-6-

DUPLICATES

SAMPLE NO.

10016-014-07-1D

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 10052W

Matrix (soil/water): WATER Level (low/med): LOW

% Solids for Sample: 0.0 % Solids for Duplicate:

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

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum		41.6487	B	28.8769	B	36.2		P
Antimony		3.7000	U	3.7000	U			P
Arsenic	5.0	3.2000	U	5.0689		200.0	*	P
Barium		57.5852		57.1664		0.7		P
Beryllium		0.1000	U	0.1000	U			P
Cadmium		0.4000	U	0.4000	U			P
Calcium		73207.5859		72699.1172		0.7		P
Chromium		0.8000	U	0.9615	B	200.0		P
Cobalt		1.7970	B	1.9397	B	7.6		P
Copper		2.7253	B	2.1063	B	25.6		P
Iron	100.0	136.6116		138.8935		1.7		P
Lead		1.5000	U	1.5000	U			P
Magnesium		17023.4219		16918.6133		0.6		P
Manganese		438.0971		434.1892		0.9		P
Nickel		2.0000	U	2.0000	U			P
Potassium	250.0	1095.9722		1040.2321		5.2		P
Selenium		2.3000	U	2.3000	U			P
Silver		0.8103	B	0.7000	U	200.0		P
Sodium		9698.5176		9655.5010		0.4		P
Thallium		5.5000	U	5.5000	U			P
Vanadium		0.9000	U	0.9000	U			P
Zinc		150.2780		149.9523		0.2		P

TOTAL METALS
-7-
LABORATORY CONTROL SAMPLE

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 10052W

Solid LCS Source:

Aqueous LCS Source: HIGH PURITY

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits	%R
Aluminum	2000.0	2044.83	102.2					
Antimony	100.0	100.55	100.6					
Arsenic	40.0	38.15	95.4					
Barium	2000.0	1992.86	99.6					
Beryllium	50.0	50.89	101.8					
Cadmium	50.0	50.65	101.3					
Calcium	5000.0	5112.04	102.2					
Chromium	200.0	203.50	101.8					
Cobalt	500.0	498.46	99.7					
Copper	250.0	255.69	102.3					
Iron	1000.0	1009.70	101.0					
Lead	20.0	20.41	102.1					
Magnesium	5000.0	5058.95	101.2					
Manganese	500.0	505.72	101.1					
Mercury	1.0	1.04	104.0					
Nickel	500.0	506.20	101.2					
Potassium	1000.0	1069.20	106.9					
Selenium	60.0	61.16	101.9					
Silver	50.0	50.23	100.5					
Sodium	5000.0	5234.68	104.7					
Thallium	50.0	49.12	98.2					
Vanadium	500.0	504.69	100.9					
Zinc	500.0	508.43	101.7					

Summary of Analytical Results

Client ID AB3002
GPL ID: 10052-007-06-1
Matrix: Water
Date Collected: Oct-10-2000
Date Received: Oct-11-2000

Prep Method: SW3520C
Prep Date: Oct-12-2000
Prep Time: 00:00
Prep Chemist: Rekha Patel

Analytical Method: SW8082
Date Analyzed: Oct-18-2000
Time Analyzed 15:45
Analyst: Philipos Yosief

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	1.14	ug/L	U	1
PCB-1221	BQL	1.14	ug/L	U	1
PCB-1232	BQL	1.14	ug/L	U	1
PCB-1242	BQL	1.14	ug/L	U	1
PCB-1248	BQL	1.14	ug/L	U	1
PCB-1254	BQL	1.14	ug/L	U	1
PCB-1260	BQL	2.27	ug/L	U	1

Summary of Analytical Results

Client ID AB3005
GPL ID: 10052-008-06-1
Matrix: Water
Date Collected: Oct-10-2000
Date Received: Oct-11-2000

Prep Method: SW3520C
Prep Date: Oct-12-2000
Prep Time: 00:00
Prep Chemist: Rekha Patel

Analytical Method: SW8082
Date Analyzed: Oct-18-2000
Time Analyzed 16:12
Analyst: Philipos Yosief

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	1.09	ug/L	U	1
PCB-1221	BQL	1.09	ug/L	U	1
PCB-1232	BQL	1.09	ug/L	U	1
PCB-1242	BQL	1.09	ug/L	U	1
PCB-1248	BQL	1.09	ug/L	U	1
PCB-1254	BQL	1.09	ug/L	U	1
PCB-1260	BQL	2.17	ug/L	U	1

Summary of Analytical Results

Client ID AB3008
GPL ID: 10052-009-06-1
Matrix: Water
Date Collected: Oct-10-2000
Date Received: Oct-11-2000

Prep Method: SW3520C
Prep Date: Oct-12-2000
Prep Time: 00:00
Prep Chemist: Rekha Patel

Analytical Method: SW8082
Date Analyzed: Oct-18-2000
Time Analyzed 17:34
Analyst: Philipos Yosief

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	1.09	ug/L	U	1
PCB-1221	BQL	1.09	ug/L	U	1
PCB-1232	BQL	1.09	ug/L	U	1
PCB-1242	BQL	1.09	ug/L	U	1
PCB-1248	BQL	1.09	ug/L	U	1
PCB-1254	BQL	1.09	ug/L	U	1
PCB-1260	BQL	2.17	ug/L	U	1

Summary of Analytical Results

Client ID AB0432
GPL ID: 10052-002-05-1
Matrix: Soil
Date Collected: Oct-10-2000
Date Received: Oct-11-2000

Prep Method: SW3550
Prep Date: Oct-12-2000
Prep Time: 07:47
Prep Chemist: Shila Soleimani

Analytical Method: SW8082
Date Analyzed: Oct-18-2000
Time Analyzed 18:56
Analyst: Philipos Yosief

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	43.7	ug/kg	U	1
PCB-1221	BQL	43.7	ug/kg	U	1
PCB-1232	BQL	43.7	ug/kg	U	1
PCB-1242	BQL	43.7	ug/kg	U	1
PCB-1248	BQL	43.7	ug/kg	U	1
PCB-1254	BQL	43.7	ug/kg	U	1
PCB-1260	88.0	87.4	ug/kg		1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB0433
GPL ID: 10052-003-04-1
Matrix: Soil
Date Collected: Oct-10-2000
Date Received: Oct-11-2000

Prep Method: SW3550
Prep Date: Oct-12-2000
Prep Time: 07:47
Prep Chemist: Shila Soleimani

Analytical Method: SW8082
Date Analyzed: Oct-18-2000
Time Analyzed 20:18
Analyst: Philipos Yosief

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	43.5	ug/kg	U	1
PCB-1221	BQL	43.5	ug/kg	U	1
PCB-1232	BQL	43.5	ug/kg	U	1
PCB-1242	BQL	43.5	ug/kg	U	1
PCB-1248	BQL	43.5	ug/kg	U	1
PCB-1254	BQL	43.5	ug/kg	U	1
PCB-1260	30.0	87	ug/kg	J	1

Summary of Analytical Results

Client ID AB0437
GPL ID: 10052-004-05-1
Matrix: Soil
Date Collected: Oct-10-2000
Date Received: Oct-11-2000

Prep Method: SW3550
Prep Date: Oct-12-2000
Prep Time: 07:47
Prep Chemist: Shila Soleimani

Analytical Method: SW8082
Date Analyzed: Oct-25-2000
Time Analyzed 17:54
Analyst: Philipos Yosief

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	212	ug/kg	U	5
PCB-1221	BQL	212	ug/kg	U	5
PCB-1232	BQL	212	ug/kg	U	5
PCB-1242	BQL	212	ug/kg	U	5
PCB-1248	BQL	212	ug/kg	U	5
PCB-1254	BQL	212	ug/kg	U	5
PCB-1260	1370	423	ug/kg		5

Summary of Analytical Results

Client ID AB0438
GPL ID: 10052-005-05-1
Matrix: Soil
Date Collected: Oct-10-2000
Date Received: Oct-11-2000

Prep Method: SW3550
Prep Date: Oct-12-2000
Prep Time: 07:47
Prep Chemist: Shila Soleimani

Analytical Method: SW8082
Date Analyzed: Oct-25-2000
Time Analyzed 18:21
Analyst: Philipos Yosief

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	219	ug/kg	U	5
PCB-1221	BQL	219	ug/kg	U	5
PCB-1232	BQL	219	ug/kg	U	5
PCB-1242	BQL	219	ug/kg	U	5
PCB-1248	BQL	219	ug/kg	U	5
PCB-1254	BQL	219	ug/kg	U	5
PCB-1260	2110	438	ug/kg		5

Summary of Analytical Results

Client ID AB0439
GPL ID: 10052-006-05-1
Matrix: Soil
Date Collected: Oct-10-2000
Date Received: Oct-11-2000

Prep Method: SW3550
Prep Date: Oct-12-2000
Prep Time: 07:47
Prep Chemist: Shila Soleimani

Analytical Method: SW8082
Date Analyzed: Oct-25-2000
Time Analyzed 18:48
Analyst: Philipos Yosief

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	195	ug/kg	U	5
PCB-1221	BQL	195	ug/kg	U	5
PCB-1232	BQL	195	ug/kg	U	5
PCB-1242	BQL	195	ug/kg	U	5
PCB-1248	BQL	195	ug/kg	U	5
PCB-1254	BQL	195	ug/kg	U	5
PCB-1260	1020	391	ug/kg		5

2F
SOIL PESTICIDE SURROGATE RECOVERY

Lab Name: GPL LABORATORIES Contract: IT CORPORATIO

Lab Code: GPLL Case No.: 10052 SAS No.: N/A SDG No.: N/A

GC Column (1) : RTx-CLP ID: 0.32 (mm) GC Column (2) : RTx-CLP2 ID: 0.32 (mm)

	CLIENT SAMPLE ID	TCX 1 %REC #	TCX 2 %REC #	DCB 1 %REC #	DCB 2 %REC #	TOT OUT
01	BLK7317	111	125	108	79	0
02	BKS7317	118	135	107	80	0
03	AB0432	102	113	97	86	0
04	AB0433	99	113	96	71	0
05	AB0437 DL	116 ~~23~~ D	123 ~~25~~ D	222 ~~44~~ D*	164 ~~33 D~~*	~~0~~ 2
06	AB0438 DL	122 ~~24 D~~	122 ~~24 D~~	252 ~~50~~ D*	167 ~~33 D~~*	~~0~~ 2
07	AB0439 DL	128 ~~26 D~~	152 ~~30~~ D	244 ~~49 D~~*	164 33 D*	~~0~~ 2

PY 11/01/00

			ADVISORY QC LIMITS
TCX	=	Tetrachloro-m-xylene	(19-191)
DCB	=	Decachlorobiphenyl	(21-155)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogate diluted out

2E
WATER PESTICIDE SURROGATE RECOVERY

Lab Name: GPL LABORATORIES, LLLP Project: IT CORPORATIO

Lab Code: GPL WO No.: 10052 SAS No.: N/A SDG No.: N/A

GC Column (1) : RTx-CLP ID: 0.32 (mm) GC Column (2) : RTx-CLP2 ID: 0.32 (mm)

	CLIENT SAMPLE ID	TCX 1 %REC #	TCX 2 %REC #	DCB 1 %REC #	DCB 2 %REC #	TOT OUT
01	BLK7348	96	112	99	73	0
02	BKS7348	94	116*	104	77	1
03	AB3002	0*	102	74	54	1
04	AB3005	96	101	69	51	0
05	AB3005 MS	90	97	33	25	0
06	AB3005 MSD	84	90	31	24	0
07	AB3008	0*	95	56	41	1

PY 11/01/00

			ADVISORY QC LIMITS
TCX	=	Tetrachloro-m-xylene	(23-112)
DCB	=	Decachlorobiphenyl	(21-134)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogate diluted out

3E

SOIL PCB's MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: GPL Laboratories | Client: DAMES & MOORE

Lab Code: GPL | Case No.: 10025 | SAS No.: N/A | SDG No.: N/A

EPA Sample No.: B-2 MS/MSD | GP ID: 10025-002-03-1/1 MS/MSD

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENTRATION (ug/kg)	MS CONCENTRATION (ug/kg)	MS % REC	QC LIMITS REC.
AR 1016	189	0	162	86	58-133
AR 1260	379	0	318	84	40-159

COMPOUND	SPIKE ADDED (ug/kg)	MSD CONCENTRATION (ug/kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC.
AR 1016	189	150	82	5	20	58-133
AR 1260	379	302	80	5	15	40-159

* Value outside of QC limits

RPD: 0 of 2 outside limits.

Spike Recovery: 0 of 4 outside limits.

COMMENTS: _____

3E

WATER PCB's MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: GPL Laboratories Client: IT_CORPRATION

Lab Code: GPL Case No.: 10052 SAS No.: N/A SDG No.: N/A

EPA Sample No.: AB3005 MS/MSD GP ID: 10052-008-06-1 MS/MSD

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC.
AR 1016	11	0	9	84	54-150
AR 1260	22	0	22	99	70-131

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC.
AR 1016	11	9	83	1	20	54-150
AR 1260	22	21.5	97	2	20	70-131

* Value outside of QC limits

RPD: 0 of 2 outside limits.

Spike Recovery: 0 of 4 outside limits.

COMMENTS:

3E
SOIL LABORATORY CONTROL SPIKE RECOVERY

Lab Name: GPL Laboratories | Client: IT_CORPORATION

Lab Code: GPL | Case No.: 10052 | SAS No.: N/A | SDG No.: N/A

EPA Sample No.: BKS7317 | GP ID: PBLK-7317MS

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENTRATION (ug/kg)	LCS CONCENTRATION (ug/kg)	LCS % REC	QC LIMITS REC
AR 1016	170	0	160	98	54-164
AR 1260	330	0	370	112	80-145

* Value outside of QC limits

Spike recovery: 0 out of 2 outside limits.

COMMENTS:

3E
WATER LABORATORY CONTROL SPIKE RECOVERY

Lab Name: GPL Laboratories | Client: IT CORPORATION

Lab Code: GPL | Case No.: 10052 | SAS No.: N/A | SDG No.: N/A

EPA Sample No.: BKS7348 | GP ID: PBLK-7348 MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC
AR 1016	5	0	8.3	167 *	54-164
AR 1260	10	0	11.0	110	80-145

* Value outside of QC limits

Spike recovery: 1 out of 2 outside limits.

COMMENTS:

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

BLK7317

Lab Name: GPL LABORATORIES Contract: IT CORPORAT

Lab Code: GPLL Case No.: 10052 SAS No.: N/A SDG No.: N/A

Lab Sample ID: PBLK-7317 Lab File ID: J11080.D

Matrix: (soil/water) SOIL Extraction: (SepF/Cont/Sonc) SONC

Sulfur Cleanup: (Y/N) N Date Extracted: 10/12/00

Date Analyzed (1) : 10/18/00 Date Analyzed (2) : 10/18/00

Time Analyzed (1) : 1802 Time Analyzed (2) : 1802

Instrument ID (1) : GC-J Instrument ID (2) : GC-J

GC Column (1) : RTx-CLP ID: 0.32 (mm) GC Column (2) : RTx-CLP2 ID: 0.32 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	BKS7317	PBLK-7317MS	10/18/00	10/18/00
02	AB0432	10052-002-05-1	10/18/00	10/18/00
03	AB0433	10052-003-05-1	10/18/00	10/18/00
04	AB0437 DL	10052-004-05-1 5X	10/25/00	10/25/00
05	AB0438 DL	10052-005-05-1 5X	10/25/00	10/25/00
06	AB0439 DL	10052-006-05-1 5X	10/25/00	10/25/00

COMMENTS:

4C

PESTICIDE METHOD BLANK SUMMARY

CLIENT ID

BLK7348

Lab Name: GPL LABORATORIES, LLLP Project: IT CORPORAT

Lab Code: GPL WO No.: 10052 SAS No.: N/A SDG No.: N/A

Lab Sample ID: PBLK-7348 Lab File ID: J11073.D

Matrix: (soil/water) WATER Extraction: (SepF/Cont/Sonc) CONT

Sulfur Cleanup: (Y/N) N Date Extracted: 10/13/00

Date Analyzed (1) : 10/18/00 Date Analyzed (2) : 10/18/00

Time Analyzed (1) : 1445 Time Analyzed (2) : 1445

Instrument ID (1) : GC-J Instrument ID (2) : GC-J

GC Column (1) : RTx-CLP ID: 0.32 (mm) GC Column (2) : RTx-CLP2 ID: 0.32 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	BKS7348	PBLK-7348MS	10/18/00	10/18/00
02	AB3002	10052-007-06-1	10/18/00	10/18/00
03	AB3005	10052-008-06-1	10/18/00	10/18/00
04	AB3005 MS	10052-008-06-1 MS	10/18/00	10/18/00
05	AB3005 MSD	10052-008-06-1 MSD	10/18/00	10/18/00
06	AB3008	10052-009-06-1	10/18/00	10/18/00

COMMENTS:

Summary of Analytical Results

Client ID AB0432
GPL ID: 10052-002-01-1
Matrix: Soil
Date Collected: Oct-10-2000
Date Received: Oct-11-2000

Prep Method: SW5035
Prep Date: Oct-12-2000
Prep Time: 07:57
Prep Chemist: NAZIH ABADEER

Analytical Method: SW8260B_TCL
Date Analyzed: Oct-12-2000
Time Analyzed 13:34
Analyst: NAZIH ABADEER

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	6.74	ug/kg	U	1
1,1,2,2-Tetrachloroethane	BQL	6.74	ug/kg	U	1
1,1,2-Trichloroethane	BQL	6.74	ug/kg	U	1
1,1-Dichloroethane	BQL	6.74	ug/kg	U	1
1,1-Dichloroethene	BQL	6.74	ug/kg	U	1
1,2-Dichloroethane	BQL	6.74	ug/kg	U	1
1,2-Dichloropropane	BQL	6.74	ug/kg	U	1
2-Butanone	BQL	13.5	ug/kg	U	1
2-Hexanone	BQL	13.5	ug/kg	U	1
4-Methyl-2-Pentanone	BQL	13.5	ug/kg	U	1
Acetone	86.1	13.5	ug/kg		1
Benzene	BQL	6.74	ug/kg	U	1
Bromodichloromethane	BQL	6.74	ug/kg	U	1
Bromoform	BQL	6.74	ug/kg	U	1
Bromomethane	BQL	13.5	ug/kg	U	1
Carbon Disulfide	BQL	6.74	ug/kg	U	1
Carbon Tetrachloride	BQL	6.74	ug/kg	U	1
Chlorobenzene	BQL	6.74	ug/kg	U	1
Chloroethane	BQL	13.5	ug/kg	U	1
Chloroform	BQL	6.74	ug/kg	U	1
Chloromethane	BQL	13.5	ug/kg	U	1
Dibromochloromethane	BQL	6.74	ug/kg	U	1
Ethylbenzene	BQL	6.74	ug/kg	U	1
Methylene Chloride	18.8	6.74	ug/kg	B	1
Styrene	BQL	6.74	ug/kg	U	1
Tetrachloroethene	BQL	6.74	ug/kg	U	1
Toluene	BQL	6.74	ug/kg	U	1
Trichloroethene	BQL	6.74	ug/kg	U	1
Vinyl Chloride	BQL	13.5	ug/kg	U	1
cis-1,2-Dichloroethene	BQL	6.74	ug/kg	U	1
cis-1,3-Dichloropropene	BQL	6.74	ug/kg	U	1
m,p-Xylenes	BQL	6.74	ug/kg	U	1
o-Xylene	BQL	6.74	ug/kg	U	1
trans-1,2-dichloroethene	BQL	6.74	ug/kg	U	1
trans-1,3-dichloropropene	BQL	6.74	ug/kg	U	1

Summary of Analytical Results

Client ID AB0433
GPL ID: 10052-003-01-1
Matrix: Soil
Date Collected: Oct-10-2000
Date Received: Oct-11-2000

Prep Method: SW5035
Prep Date: Oct-12-2000
Prep Time: 07:57
Prep Chemist: NAZIH ABADEER

Analytical Method: SW8260B_TCL
Date Analyzed: Oct-12-2000
Time Analyzed 14:15
Analyst: NAZIH ABADEER

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	6.53	ug/kg	U	1
1,1,2,2-Tetrachloroethane	BQL	6.53	ug/kg	U	1
1,1,2-Trichloroethane	BQL	6.53	ug/kg	U	1
1,1-Dichloroethane	BQL	6.53	ug/kg	U	1
1,1-Dichloroethene	BQL	6.53	ug/kg	U	1
1,2-Dichloroethane	BQL	6.53	ug/kg	U	1
1,2-Dichloropropane	BQL	6.53	ug/kg	U	1
2-Butanone	BQL	13.1	ug/kg	U	1
2-Hexanone	BQL	13.1	ug/kg	U	1
4-Methyl-2-Pentanone	BQL	13.1	ug/kg	U	1
Acetone	20.4	13.1	ug/kg		1
Benzene	BQL	6.53	ug/kg	U	1
Bromodichloromethane	BQL	6.53	ug/kg	U	1
Bromoform	BQL	6.53	ug/kg	U	1
Bromomethane	BQL	13.1	ug/kg	U	1
Carbon Disulfide	BQL	6.53	ug/kg	U	1
Carbon Tetrachloride	BQL	6.53	ug/kg	U	1
Chlorobenzene	BQL	6.53	ug/kg	U	1
Chloroethane	BQL	13.1	ug/kg	U	1
Chloroform	BQL	6.53	ug/kg	U	1
Chloromethane	BQL	13.1	ug/kg	U	1
Dibromochloromethane	BQL	6.53	ug/kg	U	1
Ethylbenzene	BQL	6.53	ug/kg	U	1
Methylene Chloride	5.23	6.53	ug/kg	JB	1
Styrene	BQL	6.53	ug/kg	U	1
Tetrachloroethene	BQL	6.53	ug/kg	U	1
Toluene	BQL	6.53	ug/kg	U	1
Trichloroethene	BQL	6.53	ug/kg	U	1
Vinyl Chloride	BQL	13.1	ug/kg	U	1
cis-1,2-Dichloroethene	BQL	6.53	ug/kg	U	1
cis-1,3-Dichloropropene	BQL	6.53	ug/kg	U	1
m,p-Xylenes	BQL	6.53	ug/kg	U	1
o-Xylene	BQL	6.53	ug/kg	U	1
trans-1,2-dichloroethene	BQL	6.53	ug/kg	U	1
trans-1,3-dichloropropene	BQL	6.53	ug/kg	U	1

Summary of Analytical Results

Client ID AB0437
GPL ID: 10052-004-01-1
Matrix: Soil
Date Collected: Oct-10-2000
Date Received: Oct-11-2000

Prep Method: SW5035
Prep Date: Oct-12-2000
Prep Time: 07:57
Prep Chemist: NAZIH ABADEER

Analytical Method: SW8260B_TCL
Date Analyzed: Oct-12-2000
Time Analyzed 14:56
Analyst: NAZIH ABADEER

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	5.67	ug/kg	U	1
1,1,2,2-Tetrachloroethane	BQL	5.67	ug/kg	U	1
1,1,2-Trichloroethane	BQL	5.67	ug/kg	U	1
1,1-Dichloroethane	BQL	5.67	ug/kg	U	1
1,1-Dichloroethene	BQL	5.67	ug/kg	U	1
1,2-Dichloroethane	BQL	5.67	ug/kg	U	1
1,2-Dichloropropane	BQL	5.67	ug/kg	U	1
2-Butanone	BQL	11.3	ug/kg	U	1
2-Hexanone	BQL	11.3	ug/kg	U	1
4-Methyl-2-Pentanone	BQL	11.3	ug/kg	U	1
Acetone	187	11.3	ug/kg		1
Benzene	BQL	5.67	ug/kg	U	1
Bromodichloromethane	BQL	5.67	ug/kg	U	1
Bromoform	BQL	5.67	ug/kg	U	1
Bromomethane	BQL	11.3	ug/kg	U	1
Carbon Disulfide	BQL	5.67	ug/kg	U	1
Carbon Tetrachloride	BQL	5.67	ug/kg	U	1
Chlorobenzene	BQL	5.67	ug/kg	U	1
Chloroethane	BQL	11.3	ug/kg	U	1
Chloroform	BQL	5.67	ug/kg	U	1
Chloromethane	BQL	11.3	ug/kg	U	1
Dibromochloromethane	BQL	5.67	ug/kg	U	1
Ethylbenzene	1.56	5.67	ug/kg	U	1
Methylene Chloride	26.6	5.67	ug/kg	B	1
Styrene	BQL	5.67	ug/kg	U	1
Tetrachloroethene	BQL	5.67	ug/kg	U	1
Toluene	14.2	5.67	ug/kg		1
Trichloroethene	BQL	5.67	ug/kg	U	1
Vinyl Chloride	BQL	11.3	ug/kg	U	1
cis-1,2-Dichloroethene	BQL	5.67	ug/kg	U	1
cis-1,3-Dichloropropene	BQL	5.67	ug/kg	U	1
m,p-Xylenes	BQL	5.67	ug/kg	U	1
o-Xylene	2.46	5.67	ug/kg	J	1
trans-1,2-dichloroethene	BQL	5.67	ug/kg	U	1
trans-1,3-dichloropropene	BQL	5.67	ug/kg	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB0438
GPL ID: 10052-005-01-1
Matrix: Soil
Date Collected: Oct-10-2000
Date Received: Oct-11-2000

Prep Method: SW5035
Prep Date: Oct-12-2000
Prep Time: 07:57
Prep Chemist: NAZIH ABADEER

Analytical Method: SW8260B_TCL
Date Analyzed: Oct-12-2000
Time Analyzed 15:37
Analyst: NAZIH ABADEER

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	5.54	ug/kg	U	1
1,1,2,2-Tetrachloroethane	BQL	5.54	ug/kg	U	1
1,1,2-Trichloroethane	BQL	5.54	ug/kg	U	1
1,1-Dichloroethane	BQL	5.54	ug/kg	U	1
1,1-Dichloroethene	BQL	5.54	ug/kg	U	1
1,2-Dichloroethane	BQL	5.54	ug/kg	U	1
1,2-Dichloropropane	BQL	5.54	ug/kg	U	1
2-Butanone	BQL	11.1	ug/kg	U	1
2-Hexanone	BQL	11.1	ug/kg	U	1
4-Methyl-2-Pentanone	BQL	11.1	ug/kg	U	1
Acetone	96.9	11.1	ug/kg		1
Benzene	1.94	5.54	ug/kg	U	1
Bromodichloromethane	BQL	5.54	ug/kg	U	1
Bromoform	BQL	5.54	ug/kg	U	1
Bromomethane	BQL	11.1	ug/kg	U	1
Carbon Disulfide	BQL	5.54	ug/kg	U	1
Carbon Tetrachloride	BQL	5.54	ug/kg	U	1
Chlorobenzene	BQL	5.54	ug/kg	U	1
Chloroethane	BQL	11.1	ug/kg	U	1
Chloroform	BQL	5.54	ug/kg	U	1
Chloromethane	BQL	11.1	ug/kg	U	1
Dibromochloromethane	BQL	5.54	ug/kg	U	1
Ethylbenzene	BQL	5.54	ug/kg	U	1
Methylene Chloride	5.97	5.54	ug/kg	B	1
Styrene	BQL	5.54	ug/kg	U	1
Tetrachloroethene	BQL	5.54	ug/kg	U	1
Toluene	3.24	5.54	ug/kg	J	1
Trichloroethene	BQL	5.54	ug/kg	U	1
Vinyl Chloride	BQL	11.1	ug/kg	U	1
cis-1,2-Dichloroethene	BQL	5.54	ug/kg	U	1
cis-1,3-Dichloropropene	BQL	5.54	ug/kg	U	1
m,p-Xylenes	BQL	5.54	ug/kg	U	1
o-Xylene	BQL	5.54	ug/kg	U	1
trans-1,2-dichloroethene	BQL	5.54	ug/kg	U	1
trans-1,3-dichloropropene	BQL	5.54	ug/kg	U	1

Summary of Analytical Results

Client ID AB0439
GPL ID: 10052-006-01-1
Matrix: Soil
Date Collected: Oct-10-2000
Date Received: Oct-11-2000

Prep Method: SW5035
Prep Date: Oct-12-2000
Prep Time: 07:57
Prep Chemist: NAZIH ABADEER

Analytical Method: SW8260B_TCL
Date Analyzed: Oct-12-2000
Time Analyzed 16:17
Analyst: NAZIH ABADEER

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	5.04	ug/kg	U	1
1,1,2,2-Tetrachloroethane	BQL	5.04	ug/kg	U	1
1,1,2-Trichloroethane	BQL	5.04	ug/kg	U	1
1,1-Dichloroethane	BQL	5.04	ug/kg	U	1
1,1-Dichloroethene	BQL	5.04	ug/kg	U	1
1,2-Dichloroethane	BQL	5.04	ug/kg	U	1
1,2-Dichloropropane	BQL	5.04	ug/kg	U	1
2-Butanone	BQL	10.1	ug/kg	U	1
2-Hexanone	BQL	10.1	ug/kg	U	1
4-Methyl-2-Pentanone	BQL	10.1	ug/kg	U	1
Acetone	BQL	10.1	ug/kg	U	1
Benzene	BQL	5.04	ug/kg	U	1
Bromodichloromethane	BQL	5.04	ug/kg	U	1
Bromoform	BQL	5.04	ug/kg	U	1
Bromomethane	BQL	10.1	ug/kg	U	1
Carbon Disulfide	BQL	5.04	ug/kg	U	1
Carbon Tetrachloride	BQL	5.04	ug/kg	U	1
Chlorobenzene	BQL	5.04	ug/kg	U	1
Chloroethane	BQL	10.1	ug/kg	U	1
Chloroform	BQL	5.04	ug/kg	U	1
Chloromethane	BQL	10.1	ug/kg	U	1
Dibromochloromethane	BQL	5.04	ug/kg	U	1
Ethylbenzene	BQL	5.04	ug/kg	U	1
Methylene Chloride	BQL	5.04	ug/kg	U	1
Styrene	BQL	5.04	ug/kg	U	1
Tetrachloroethene	BQL	5.04	ug/kg	U	1
Toluene	7.26	5.04	ug/kg		1
Trichloroethene	BQL	5.04	ug/kg	U	1
Vinyl Chloride	BQL	10.1	ug/kg	U	1
cis-1,2-Dichloroethene	BQL	5.04	ug/kg	U	1
cis-1,3-Dichloropropene	BQL	5.04	ug/kg	U	1
m,p-Xylenes	3.99	5.04	ug/kg	J	1
o-Xylene	1.66	5.04	ug/kg	J	1
trans-1,2-dichloroethene	BQL	5.04	ug/kg	U	1
trans-1,3-dichloropropene	BQL	5.04	ug/kg	U	1

Summary of Analytical Results

Client ID 10102000-TB2
GPL ID: 10052-001-02-2/3
Matrix: Water
Date Collected: Oct-10-2000
Date Received: Oct-11-2000

Prep Method: SW5030B
Prep Date: Oct-16-2000
Prep Time: 07:26
Prep Chemist: Jannina S. Bryan

Analytical Method: SW8260LL_TCL
Date Analyzed: Oct-16-2000
Time Analyzed 10:34
Analyst: Alganesh Debesai

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	1	ug/L	U	1
1,1,2,2-Tetrachloroethane	BQL	1	ug/L	U	1
1,1,2-Trichloroethane	BQL	1	ug/L	U	1
1,1-Dichloroethane	BQL	1	ug/L	U	1
1,1-Dichloroethene	BQL	1	ug/L	U	1
1,2-Dichloroethane	BQL	1	ug/L	U	1
1,2-Dichloropropane	BQL	1	ug/L	U	1
2-Butanone	BQL	5	ug/L	U	1
2-Hexanone	BQL	5	ug/L	U	1
4-Methyl-2-Pentanone	BQL	5	ug/L	U	1
Acetone	9.37	5	ug/L		1
Benzene	BQL	1	ug/L	U	1
Bromodichloromethane	BQL	1	ug/L	U	1
Bromoform	BQL	1	ug/L	U	1
Bromomethane	BQL	1	ug/L	U	1
Carbon Disulfide	BQL	1	ug/L	U	1
Carbon Tetrachloride	BQL	1	ug/L	U	1
Chlorobenzene	BQL	1	ug/L	U	1
Chloroethane	BQL	1	ug/L	U	1
Chloroform	BQL	1	ug/L	U	1
Chloromethane	BQL	1	ug/L	U	1
Dibromochloromethane	BQL	1	ug/L	U	1
Ethylbenzene	BQL	1	ug/L	U	1
Methylene Chloride	0.920	1	ug/L	J	1
Styrene	BQL	1	ug/L	U	1
Tetrachloroethene	BQL	1	ug/L	U	1
Toluene	BQL	1	ug/L	U	1
Trichloroethene	BQL	1	ug/L	U	1
Vinyl Chloride	BQL	1	ug/L	U	1
cis-1,2-Dichloroethene	BQL	1	ug/L	U	1
cis-1,3-Dichloropropene	BQL	1	ug/L	U	1
m,p-Xylenes	BQL	1	ug/L	U	1
o-Xylene	BQL	1	ug/L	U	1
trans-1,2-dichloroethene	BQL	1	ug/L	U	1
trans-1,3-dichloropropene	BQL	1	ug/L	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB3002
GPL ID: 10052-007-01-1
Matrix: Water
Date Collected: Oct-10-2000
Date Received: Oct-11-2000

Prep Method: SW5030B
Prep Date: Oct-13-2000
Prep Time: 09:06
Prep Chemist: Jannina S. Bryan

Analytical Method: SW8260LL_TCL
Date Analyzed: Oct-13-2000
Time Analyzed 14:35
Analyst: Jannina S. Bryan

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	1	ug/L	U	1
1,1,2,2-Tetrachloroethane	BQL	1	ug/L	U	1
1,1,2-Trichloroethane	BQL	1	ug/L	U	1
1,1-Dichloroethane	BQL	1	ug/L	U	1
1,1-Dichloroethene	BQL	1	ug/L	U	1
1,2-Dichloroethane	BQL	1	ug/L	U	1
1,2-Dichloropropane	BQL	1	ug/L	U	1
2-Butanone	BQL	5	ug/L	U	1
2-Hexanone	BQL	5	ug/L	U	1
4-Methyl-2-Pentanone	BQL	5	ug/L	U	1
Acetone	6.92	5	ug/L	B	1
Benzene	BQL	1	ug/L	U	1
Bromodichloromethane	BQL	1	ug/L	U	1
Bromoform	BQL	1	ug/L	U	1
Bromomethane	BQL	1	ug/L	U	1
Carbon Disulfide	0.760	1	ug/L	J	1
Carbon Tetrachloride	BQL	1	ug/L	U	1
Chlorobenzene	BQL	1	ug/L	U	1
Chloroethane	BQL	1	ug/L	U	1
Chloroform	BQL	1	ug/L	U	1
Chloromethane	BQL	1	ug/L	U	1
Dibromochloromethane	BQL	1	ug/L	U	1
Ethylbenzene	BQL	1	ug/L	U	1
Methylene Chloride	1.18	1	ug/L	B	1
Styrene	BQL	1	ug/L	U	1
Tetrachloroethene	BQL	1	ug/L	U	1
Toluene	1.00	1	ug/L	J	1
Trichloroethene	BQL	1	ug/L	U	1
Vinyl Chloride	BQL	1	ug/L	U	1
cis-1,2-Dichloroethene	BQL	1	ug/L	U	1
cis-1,3-Dichloropropene	BQL	1	ug/L	U	1
m,p-Xylenes	BQL	1	ug/L	U	1
o-Xylene	BQL	1	ug/L	U	1
trans-1,2-dichloroethene	BQL	1	ug/L	U	1
trans-1,3-dichloropropene	BQL	1	ug/L	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB3005
GPL ID: 10052-008-01-1
Matrix: Water
Date Collected: Oct-10-2000
Date Received: Oct-11-2000

Prep Method: SW5030B
Prep Date: Oct-13-2000
Prep Time: 09:06
Prep Chemist: Jannina S. Bryan

Analytical Method: SW8260LL_TCL
Date Analyzed: Oct-13-2000
Time Analyzed 15:09
Analyst: Jannina S. Bryan

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	1	ug/L	U	1
1,1,2,2-Tetrachloroethane	BQL	1	ug/L	U	1
1,1,2-Trichloroethane	BQL	1	ug/L	U	1
1,1-Dichloroethane	BQL	1	ug/L	U	1
1,1-Dichloroethene	BQL	1	ug/L	U	1
1,2-Dichloroethane	BQL	1	ug/L	U	1
1,2-Dichloropropane	BQL	1	ug/L	U	1
2-Butanone	BQL	5	ug/L	U	1
2-Hexanone	BQL	5	ug/L	U	1
4-Methyl-2-Pentanone	BQL	5	ug/L	U	1
Acetone	BQL	5	ug/L	U	1
Benzene	BQL	1	ug/L	U	1
Bromodichloromethane	BQL	1	ug/L	U	1
Bromoform	BQL	1	ug/L	U	1
Bromomethane	BQL	1	ug/L	U	1
Carbon Disulfide	BQL	1	ug/L	U	1
Carbon Tetrachloride	BQL	1	ug/L	U	1
Chlorobenzene	BQL	1	ug/L	U	1
Chloroethane	BQL	1	ug/L	U	1
Chloroform	BQL	1	ug/L	U	1
Chloromethane	BQL	1	ug/L	U	1
Dibromochloromethane	BQL	1	ug/L	U	1
Ethylbenzene	BQL	1	ug/L	U	1
Methylene Chloride	1.15	1	ug/L	B	1
Styrene	BQL	1	ug/L	U	1
Tetrachloroethene	BQL	1	ug/L	U	1
Toluene	BQL	1	ug/L	U	1
Trichloroethene	BQL	1	ug/L	U	1
Vinyl Chloride	BQL	1	ug/L	U	1
cis-1,2-Dichloroethene	BQL	1	ug/L	U	1
cis-1,3-Dichloropropene	BQL	1	ug/L	U	1
m,p-Xylenes	BQL	1	ug/L	U	1
o-Xylene	BQL	1	ug/L	U	1
trans-1,2-dichloroethene	BQL	1	ug/L	U	1
trans-1,3-dichloropropene	BQL	1	ug/L	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB3008
GPL ID: 10052-009-01-1
Matrix: Water
Date Collected: Oct-10-2000
Date Received: Oct-11-2000

Prep Method: SW5030B
Prep Date: Oct-13-2000
Prep Time: 09:06
Prep Chemist: Jannina S. Bryan

Analytical Method: SW8260LL_TCL
Date Analyzed: Oct-13-2000
Time Analyzed 15:43
Analyst: Jannina S. Bryan

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	1	ug/L	U	1
1,1,2,2-Tetrachloroethane	BQL	1	ug/L	U	1
1,1,2-Trichloroethane	BQL	1	ug/L	U	1
1,1-Dichloroethane	BQL	1	ug/L	U	1
1,1-Dichloroethene	BQL	1	ug/L	U	1
1,2-Dichloroethane	BQL	1	ug/L	U	1
1,2-Dichloropropane	BQL	1	ug/L	U	1
2-Butanone	BQL	5	ug/L	U	1
2-Hexanone	BQL	5	ug/L	U	1
4-Methyl-2-Pentanone	BQL	5	ug/L	U	1
Acetone	BQL	5	ug/L	U	1
Benzene	BQL	1	ug/L	U	1
Bromodichloromethane	BQL	1	ug/L	U	1
Bromoform	BQL	1	ug/L	U	1
Bromomethane	BQL	1	ug/L	U	1
Carbon Disulfide	BQL	1	ug/L	U	1
Carbon Tetrachloride	BQL	1	ug/L	U	1
Chlorobenzene	BQL	1	ug/L	U	1
Chloroethane	BQL	1	ug/L	U	1
Chloroform	BQL	1	ug/L	U	1
Chloromethane	BQL	1	ug/L	U	1
Dibromochloromethane	BQL	1	ug/L	U	1
Ethylbenzene	BQL	1	ug/L	U	1
Methylene Chloride	0.940	1	ug/L	JB	1
Styrene	BQL	1	ug/L	U	1
Tetrachloroethene	BQL	1	ug/L	U	1
Toluene	BQL	1	ug/L	U	1
Trichloroethene	BQL	1	ug/L	U	1
Vinyl Chloride	BQL	1	ug/L	U	1
cis-1,2-Dichloroethene	BQL	1	ug/L	U	1
cis-1,3-Dichloropropene	BQL	1	ug/L	U	1
m,p-Xylenes	BQL	1	ug/L	U	1
o-Xylene	BQL	1	ug/L	U	1
trans-1,2-dichloroethene	BQL	1	ug/L	U	1
trans-1,3-dichloropropene	BQL	1	ug/L	U	1

2B
SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: GPL LABORATORIES, LLLP Contract: PLUMBROOK_ORDN

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Level: (low/med) LOW

	CLIENT SAMPLE NO.	SMC1 #	SMC2 #	SMC3 #	SMC4 #	TOT OUT
01	BLK7363	91	118	109	106	0
02	BKS7363	96	118	110	99	0
03	AB0432	90	118	108	100	0
04	AB0433	93	116	101	103	0
05	AB0437	37 *	280 *	193 *	237 *	4
06	AB0438	87	122	123 *	108	1
07	AB0439	34 *	197 *	281 *	349 *	4
08	BLK1016	81	90	74	73	0
09	BKS1016	91	83	81	82	0
10	AB0437 RE	54 *	187 *	328 *	431 *	4
11	AB0438 RE	36 *	186 *	152 *	174 *	4
12	AB0439 RE	28 *	248 *	240 *	330 *	4

			QC LIMITS
SMC1	=	1,2-Dichloroethane-d4	(72-129)
SMC2	=	Toluene-d8	(68-122)
SMC3	=	4-Bromofluorobenzene	(71-122)
SMC4	=	1,2-Dichlorobenzene-d4	(68-138)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

2A

WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: GPL LABORATORIES, LLLP Contract: PLUMBROOK_ORDN

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

	CLIENT SAMPLE NO.	SMC1 #	SMC2 #	SMC3 #	SMC4 #	TOT OUT
01	BLK7356	117	115	106	108	0
02	AB3002	96	106	94	95	0
03	AB3005	105	105	94	94	0
04	AB3008	99	103	91	92	0
05	BLK7386	106	95	91	92	0
06	BKS7386	117	118	114	103	0
07	10102000-TB2	78	90	84	81	0

			QC LIMITS
SMC1	=	1,2-Dichloroethane-d4	(77-133)
SMC2	=	Toluene-d8	(74-128)
SMC3	=	4-Bromofluorobenzene	(81-125)
SMC4	=	1,2-Dichlorobenzene-d4	(76-134)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

3B

SOIL VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: GPL LABORATORIES, LLLP Contract: PLUMBROOK_O

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Matrix Spike - EPA Sample No.: AB0447 Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC LIMITS REC.
1,1-Dichloroethene	49	0.0	41	84	39 - 147
Benzene	49	2.6	32	59	36 - 150
Trichloroethene	49	0.0	29	59	33 - 150
Toluene	49	5.7	28	45	34 - 151
Chlorobenzene	49	0.0	17	35	33 - 143

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	48	40	83	1	25	39 - 147
Benzene	48	38	73	21	25	36 - 150
Trichloroethene	48	33	69	16	25	33 - 150
Toluene	48	34	58	25 *	25	34 - 151
Chlorobenzene	48	22	46	27 *	25	33 - 143

AB 11/1/00

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 2 out of 5 outside limits

Spike Recovery: 0 out of 10 outside limits

COMMENTS: Shared with 10063

3A

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: GPL LABORATORIES, LLLP Contract: GENERAL_PHYS

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Matrix Spike - EPA Sample No.: QRP2A

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
1,1-Dichloroethene	10	0.0	15	150 *	51 - 134
Benzene	10	0.0	12	120	61 - 120
Trichloroethene	10	3.9	16	120	44 - 139
Toluene	10	0.0	12	120 *	53 - 118
Chlorobenzene	10	0.0	11	110	68 - 125

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	10	11	110	31 *	25	51 - 134
Benzene	10	8.7	87	32 *	25	61 - 120
Trichloroethene	10	12	81	39 *	25	44 - 139
Toluene	10	8.7	87	32 *	25	53 - 118
Chlorobenzene	10	8.3	83	28 *	25	68 - 125

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 5 out of 5 outside limits

Spike Recovery: 2 out of 10 outside limits

COMMENTS: Altered with 10037

LAB CONTROL STANDARD RECOVERY

Lab Name:	GPL LABORATORIES, LLLP			Contract:	PLUMBROOK_ORDN
Case No.:	N/A			SDG No.:	N/A
Lab Code:	N/A			Lab Sample ID:	BKS1012
Lab File ID:	A27420.D	Matrix:	SOIL	Date Analyzed:	10/12/00

COMPOUND	LCS ADDED (ug/L)	CONCENTRATION FOUND (ug/L)	PERCENT RECOVERY #	INTERNAL LABORATORY LIMITS
Vinyl Chloride	50	58	116	29-148
1,1-Dichloroethene	50	54	108	40-150
Chloroform	50	52	104	61-146
1,2-Dichloroethane	50	53	106	59-155
1,1,1,-Trichloroethane	50	51	102	61-152
Carbon Tetrachloride	50	53	106	59-153
Bromodichloromethane	50	53	106	63-151
Trichloroethene	50	50	100	55-145
Dibromochloromethane	50	48	96	65-151
Benzene	50	53	106	52-155
Bromoform	50	49	98	36-150

* Value outside internal laboratory limits

Comments: _____

LAB CONTROL STANDARD RECOVERY

Lab Name:	GPL LABORATORIES, LLLP			Contract:	PLUMBROOK_ORDN
Case No.:	N/A			SDG No.:	N/A
Lab Code:	N/A			Lab Sample ID:	BKS1016
Lab File ID:	A27452.D	Matrix:	SOIL	Date Analyzed:	10/16/00

COMPOUND	LCS ADDED (ug/L)	CONCENTRATION FOUND (ug/L)	PERCENT RECOVERY #	INTERNAL LABORATORY LIMITS
Vinyl Chloride	50	40	80	29-148
1,1-Dichloroethene	50	45	90	40-150
Chloroform	50	51	102	61-146
1,2-Dichloroethane	50	49	98	59-155
1,1,1,-Trichloroethane	50	50	100	61-152
Carbon Tetrachloride	50	49	98	59-153
Bromodichloromethane	50	45	90	63-151
Trichloroethene	50	42	84	55-145
Dibromochloromethane	50	47	94	65-151
Benzene	50	46	92	52-155
Bromoform	50	50	100	36-150

* Value outside internal laboratory limits

Comments: _____

LAB CONTROL STANDARD RECOVERY

Lab Name:	GPL LABORATORIES, LLLP			Contract:	PLUMBROOK_ORDN
Case No.:	N/A			SDG No.:	N/A
Lab Code:	GPLL			Lab Sample ID:	BKS1016
Lab File ID:	E22125.D	Matrix:	WATER	Date Analyzed:	10/16/00

COMPOUND	LCS ADDED (ug/L)	CONCENTRATION FOUND (ug/L)	PERCENT RECOVERY #	INTERNAL LABORATORY LIMITS
Vinyl Chloride	10	6.1	61	42-126
1,1-Dichloroethene	10	8	81	51-134
Chloroform	10	8.1	81	64-139
1,1,1-Trichloroethane	10	7.3	73	64-150
Carbon Tetrachloride	10	8.3	83	49-169
Benzene	10	8.0	80	61-120
1,2-Dichloroethane	10	8.1	81	64-141
Trichloroethene	10	7.9	79	44-139
Bromodichloromethane	10	8.8	88	60-142
Dibromochloromethane	10	8.1	81	54-164
Bromoform	10	7.3	73	46-156

* Value outside internal laboratory limits

Comments: _____

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

BLK7363

Lab Name: GPL LABORATORIES, LLLP Contract: PLUMBRO

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Lab File ID: A27419.D Lab Sample ID: BLK1

Date Analyzed: 10/12/00 Time Analyzed: 11:33

GC Column: RTX VO ID: 0.53 (mm) Heated Purge: (Y/N) Y

Instrument ID: HP#A

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	BKS7363	BKS1	A27420.D	12:13
02	AB0432	10052-002-01-1	A27422.D	13:34
03	AB0433	10052-003-01-1	A27423.D	14:15
04	AB0437	10052-004-01-1	A27424.D	14:56
05	AB0438	10052-005-01-1	A27425.D	15:37
06	AB0439	10052-006-01-1	A27426.D	16:17

COMMENTS

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

BLK1016

Lab Name: GPL LABORATORIES, LLLP Contract: PLUMBRO

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Lab File ID: A27451.D Lab Sample ID: BLK1

Date Analyzed: 10/16/00 Time Analyzed: 10:31

GC Column: RTX VO ID: 0.53 (mm) Heated Purge: (Y/N) Y

Instrument ID: HP#A

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	BKS1016	BKS1	A27452.D	11:15
02	AB0437 RE	10052-004-02-1	A27453.D	11:57
03	AB0438 RE	10052-005-02-1	A27454.D	12:42
04	AB0439 RE	10052-006-02-1	A27455.D	13:49

COMMENTS

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

BLK7356

Lab Name: GPL LABORATORIES, LLLP Contract: PLUMBRO

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Lab File ID: E22109.D Lab Sample ID: BLK1013

Date Analyzed: 10/13/00 Time Analyzed: 10:34

GC Column: RTXVO ID: 0.53 (mm) Heated Purge: (Y/N) N

Instrument ID: 5970-E

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	AB3002	10052-007-01/1/3	E22116.D	14:35
02	AB3005	10052-008-01/1/3	E22117.D	15:09
03	AB3008	10052-009-01/1/3	E22118.D	15:43

COMMENTS

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

BLK7386

Lab Name: GPL LABORATORIES, LLLP Contract: PLUMBRO

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Lab File ID: E22124.D Lab Sample ID: BLK1016

Date Analyzed: 10/16/00 Time Analyzed: 09:26

GC Column: RTXVO ID: 0.53 (mm) Heated Purge: (Y/N) N

Instrument ID: 5970-E

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	BKS7386	BKS1016	E22125.D	10:00
02	10102000-TB2	10052-001-02/2/3	E22126.D	10:34

COMMENTS

Summary of Analytical Results

Client ID AB3002DL
GPL ID: 10052-007-04-1
Matrix: Water
Date Collected: Oct-10-2000
Date Received: Oct-11-2000

Prep Method: SW3520C
Prep Date: Oct-12-2000
Prep Time: 00:00
Prep Chemist: Veena Telhan

Analytical Method: SW8270CTCL
Date Analyzed: Oct-17-2000
Time Analyzed 21:20
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	215	ug/L	U	20
1,2-Dichlorobenzene	BQL	215	ug/L	U	20
1,3-Dichlorobenzene	BQL	215	ug/L	U	20
1,4-Dichlorobenzene	BQL	215	ug/L	U	20
2,2-Oxybis(1-Chloro)Propane	BQL	215	ug/L	U	20
2,4,5-Trichlorophenol	BQL	215	ug/L	U	20
2,4,6-Trichlorophenol	BQL	215	ug/L	U	20
2,4-Dichlorophenol	BQL	215	ug/L	U	20
2,4-Dimethylphenol	BQL	215	ug/L	U	20
2,4-Dinitrophenol	BQL	430	ug/L	U	20
2,4-Dinitrotoluene	4800	215	ug/L		20
2,6-Dinitrotoluene	1350	215	ug/L		20
2-Chloronaphthalene	BQL	215	ug/L	U	20
2-Chlorophenol	BQL	215	ug/L	U	20
2-Methylnaphthalene	BQL	215	ug/L	U	20
2-Nitroaniline	BQL	215	ug/L	U	20
2-Nitrophenol	BQL	215	ug/L	U	20
2-methylphenol	BQL	215	ug/L	U	20
3,3-Dichlorobenzidine	BQL	430	ug/L	U	20
3-Nitroaniline	BQL	215	ug/L	U	20
4,6-dinitro-2-methyl phenol	BQL	430	ug/L	U	20
4-Bromophenyl-phenylether	BQL	215	ug/L	U	20
4-Chloroaniline	BQL	215	ug/L	U	20
4-Chlorophenyl Phenyl Ether	BQL	215	ug/L	U	20
4-Nitroaniline	BQL	215	ug/L	U	20
4-Nitrophenol	BQL	430	ug/L	U	20
4-chloro-3-methylphenol	BQL	215	ug/L	U	20
4-methylphenol	BQL	215	ug/L	U	20
Acenaphthene	BQL	215	ug/L	U	20
Acenaphthylene	BQL	215	ug/L	U	20
Anthracene	BQL	215	ug/L	U	20
Benzo(a)anthracene	BQL	215	ug/L	U	20
Benzo(a)pyrene	BQL	215	ug/L	U	20
Benzo(b)fluoranthene	BQL	215	ug/L	U	20
Benzo(g,h,i)perylene	BQL	215	ug/L	U	20
Benzo(k)fluoranthene	BQL	215	ug/L	U	20
Benzyl Butyl Phthalate	BQL	215	ug/L	U	20
Carbazole	BQL	215	ug/L	U	20
Chrysene	BQL	215	ug/L	U	20

Summary of Analytical Results

Client ID AB3002DL
GPL ID: 10052-007-04-1
Matrix: Water
Date Collected: Oct-10-2000
Date Received: Oct-11-2000

Prep Method: SW3520C
Prep Date: Oct-12-2000
Prep Time: 00:00
Prep Chemist: Veena Telhan

Analytical Method: SW8270CTCL
Date Analyzed: Oct-17-2000
Time Analyzed 21:20
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	215	ug/L	U	20
Dibenzofuran	BQL	215	ug/L	U	20
Diethyl Phthalate	BQL	215	ug/L	U	20
Dimethyl Phthalate	BQL	215	ug/L	U	20
Fluoranthene	BQL	215	ug/L	U	20
Fluorene	BQL	215	ug/L	U	20
Hexachlorobenzene	BQL	215	ug/L	U	20
Hexachlorobutadiene	BQL	215	ug/L	U	20
Hexachlorocyclopentadiene	BQL	215	ug/L	U	20
Hexachloroethane	BQL	215	ug/L	U	20
Indeno(1,2,3-c,d)Pyrene	BQL	215	ug/L	U	20
Isophorone	BQL	215	ug/L	U	20
Naphthalene	BQL	215	ug/L	U	20
Nitrobenzene	BQL	215	ug/L	U	20
Pentachlorophenol	BQL	430	ug/L	U	20
Phenanthrene	BQL	215	ug/L	U	20
Phenol	BQL	215	ug/L	U	20
Pyrene	BQL	215	ug/L	U	20
bis(2-chloroethoxy) methane	BQL	215	ug/L	U	20
bis(2-chloroethyl) ether	BQL	215	ug/L	U	20
bis(2-ethylhexyl) phthalate	BQL	215	ug/L	U	20
di-n-Butyl Phthalate	BQL	215	ug/L	U	20
di-n-Octyl Phthalate	BQL	215	ug/L	U	20
n-Nitrosodi-n-Propylamine	BQL	215	ug/L	U	20
n-Nitrosodiphenylamine	BQL	215	ug/L	U	20

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB3002DL2
GPL ID: 10052-007-04-1
Matrix: Water
Date Collected: Oct-10-2000
Date Received: Oct-11-2000

Prep Method: SW3520C
Prep Date: Oct-12-2000
Prep Time: 00:00
Prep Chemist: Veena Telhan

Analytical Method: SW8270CTCL
Date Analyzed: Oct-18-2000
Time Analyzed 10:27
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	430	ug/L	U	40
1,2-Dichlorobenzene	BQL	430	ug/L	U	40
1,3-Dichlorobenzene	BQL	430	ug/L	U	40
1,4-Dichlorobenzene	BQL	430	ug/L	U	40
2,2-Oxybis(1-Chloro)Propane	BQL	430	ug/L	U	40
2,4,5-Trichlorophenol	BQL	430	ug/L	U	40
2,4,6-Trichlorophenol	BQL	430	ug/L	U	40
2,4-Dichlorophenol	BQL	430	ug/L	U	40
2,4-Dimethylphenol	BQL	430	ug/L	U	40
2,4-Dinitrophenol	BQL	860	ug/L	U	40
2,4-Dinitrotoluene	4610	430	ug/L		40
2,6-Dinitrotoluene	1330	430	ug/L		40
2-Chloronaphthalene	BQL	430	ug/L	U	40
2-Chlorophenol	BQL	430	ug/L	U	40
2-Methylnaphthalene	BQL	430	ug/L	U	40
2-Nitroaniline	BQL	430	ug/L	U	40
2-Nitrophenol	BQL	430	ug/L	U	40
2-methylphenol	BQL	430	ug/L	U	40
3,3-Dichlorobenzidine	BQL	860	ug/L	U	40
3-Nitroaniline	BQL	430	ug/L	U	40
4,6-dinitro-2-methyl phenol	BQL	860	ug/L	U	40
4-Bromophenyl-phenylether	BQL	430	ug/L	U	40
4-Chloroaniline	BQL	430	ug/L	U	40
4-Chlorophenyl Phenyl Ether	BQL	430	ug/L	U	40
4-Nitroaniline	BQL	430	ug/L	U	40
4-Nitrophenol	BQL	860	ug/L	U	40
4-chloro-3-methylphenol	BQL	430	ug/L	U	40
4-methylphenol	BQL	430	ug/L	U	40
Acenaphthene	BQL	430	ug/L	U	40
Acenaphthylene	BQL	430	ug/L	U	40
Anthracene	BQL	430	ug/L	U	40
Benzo(a)anthracene	BQL	430	ug/L	U	40
Benzo(a)pyrene	BQL	430	ug/L	U	40
Benzo(b)fluoranthene	BQL	430	ug/L	U	40
Benzo(g,h,i)perylene	BQL	430	ug/L	U	40
Benzo(k)fluoranthene	BQL	430	ug/L	U	40
Benzyl Butyl Phthalate	BQL	430	ug/L	U	40
Carbazole	BQL	430	ug/L	U	40
Chrysene	BQL	430	ug/L	U	40

Summary of Analytical Results

Client ID AB3002DL2
GPL ID: 10052-007-04-1
Matrix: Water
Date Collected: Oct-10-2000
Date Received: Oct-11-2000

Prep Method: SW3520C
Prep Date: Oct-12-2000
Prep Time: 00:00
Prep Chemist: Veena Telhan

Analytical Method: SW8270CTCL
Date Analyzed: Oct-18-2000
Time Analyzed 10:27
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	430	ug/L	U	40
Dibenzofuran	BQL	430	ug/L	U	40
Diethyl Phthalate	BQL	430	ug/L	U	40
Dimethyl Phthalate	BQL	430	ug/L	U	40
Fluoranthene	BQL	430	ug/L	U	40
Fluorene	BQL	430	ug/L	U	40
Hexachlorobenzene	BQL	430	ug/L	U	40
Hexachlorobutadiene	BQL	430	ug/L	U	40
Hexachlorocyclopentadiene	BQL	430	ug/L	U	40
Hexachloroethane	BQL	430	ug/L	U	40
Indeno(1,2,3-c,d)Pyrene	BQL	430	ug/L	U	40
Isophorone	BQL	430	ug/L	U	40
Naphthalene	BQL	430	ug/L	U	40
Nitrobenzene	BQL	430	ug/L	U	40
Pentachlorophenol	BQL	860	ug/L	U	40
Phenanthrene	BQL	430	ug/L	U	40
Phenol	BQL	430	ug/L	U	40
Pyrene	BQL	430	ug/L	U	40
bis(2-chloroethoxy) methane	BQL	430	ug/L	U	40
bis(2-chloroethyl) ether	BQL	430	ug/L	U	40
bis(2-ethylhexyl) phthalate	BQL	430	ug/L	U	40
di-n-Butyl Phthalate	BQL	430	ug/L	U	40
di-n-Octyl Phthalate	BQL	430	ug/L	U	40
n-Nitrosodi-n-Propylamine	BQL	430	ug/L	U	40
n-Nitrosodiphenylamine	BQL	430	ug/L	U	40

Summary of Analytical Results

Client ID AB3005
GPL ID: 10052-008-04-1
Matrix: Water
Date Collected: Oct-10-2000
Date Received: Oct-11-2000

Prep Method: SW3520C
Prep Date: Oct-12-2000
Prep Time: 00:00
Prep Chemist: Veena Telhan

Analytical Method: SW8270CTCL
Date Analyzed: Oct-18-2000
Time Analyzed 09:52
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	11.1	ug/L	U	1
1,2-Dichlorobenzene	BQL	11.1	ug/L	U	1
1,3-Dichlorobenzene	BQL	11.1	ug/L	U	1
1,4-Dichlorobenzene	BQL	11.1	ug/L	U	1
2,2-Oxybis(1-Chloro)Propane	BQL	11.1	ug/L	U	1
2,4,5-Trichlorophenol	BQL	11.1	ug/L	U	1
2,4,6-Trichlorophenol	BQL	11.1	ug/L	U	1
2,4-Dichlorophenol	BQL	11.1	ug/L	U	1
2,4-Dimethylphenol	BQL	11.1	ug/L	U	1
2,4-Dinitrophenol	BQL	22.2	ug/L	U	1
2,4-Dinitrotoluene	3.64	11.1	ug/L	J	1
2,6-Dinitrotoluene	BQL	11.1	ug/L	U	1
2-Chloronaphthalene	BQL	11.1	ug/L	U	1
2-Chlorophenol	BQL	11.1	ug/L	U	1
2-Methylnaphthalene	BQL	11.1	ug/L	U	1
2-Nitroaniline	BQL	11.1	ug/L	U	1
2-Nitrophenol	BQL	11.1	ug/L	U	1
2-methylphenol	BQL	11.1	ug/L	U	1
3,3-Dichlorobenzidine	BQL	22.2	ug/L	U	1
3-Nitroaniline	BQL	11.1	ug/L	U	1
4,6-dinitro-2-methyl phenol	BQL	22.2	ug/L	U	1
4-Bromophenyl-phenylether	BQL	11.1	ug/L	U	1
4-Chloroaniline	BQL	11.1	ug/L	U	1
4-Chlorophenyl Phenyl Ether	BQL	11.1	ug/L	U	1
4-Nitroaniline	BQL	11.1	ug/L	U	1
4-Nitrophenol	BQL	22.2	ug/L	U	1
4-chloro-3-methylphenol	BQL	11.1	ug/L	U	1
4-methylphenol	BQL	11.1	ug/L	U	1
Acenaphthene	BQL	11.1	ug/L	U	1
Acenaphthylene	BQL	11.1	ug/L	U	1
Anthracene	BQL	11.1	ug/L	U	1
Benzo(a)anthracene	BQL	11.1	ug/L	U	1
Benzo(a)pyrene	BQL	11.1	ug/L	U	1
Benzo(b)fluoranthene	BQL	11.1	ug/L	U	1
Benzo(g,h,i)perylene	BQL	11.1	ug/L	U	1
Benzo(k)fluoranthene	BQL	11.1	ug/L	U	1
Benzyl Butyl Phthalate	BQL	11.1	ug/L	U	1
Carbazole	BQL	11.1	ug/L	U	1
Chrysene	BQL	11.1	ug/L	U	1

Summary of Analytical Results

Client ID AB3005
GPL ID: 10052-008-04-1
Matrix: Water
Date Collected: Oct-10-2000
Date Received: Oct-11-2000

Prep Method: SW3520C
Prep Date: Oct-12-2000
Prep Time: 00:00
Prep Chemist: Veena Telhan

Analytical Method: SW8270CTCL
Date Analyzed: Oct-18-2000
Time Analyzed 09:52
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	11.1	ug/L	U	1
Dibenzofuran	BQL	11.1	ug/L	U	1
Diethyl Phthalate	BQL	11.1	ug/L	U	1
Dimethyl Phthalate	BQL	11.1	ug/L	U	1
Fluoranthene	BQL	11.1	ug/L	U	1
Fluorene	BQL	11.1	ug/L	U	1
Hexachlorobenzene	BQL	11.1	ug/L	U	1
Hexachlorobutadiene	BQL	11.1	ug/L	U	1
Hexachlorocyclopentadiene	BQL	11.1	ug/L	U	1
Hexachloroethane	BQL	11.1	ug/L	U	1
Indeno(1,2,3-c,d)Pyrene	BQL	11.1	ug/L	U	1
Isophorone	BQL	11.1	ug/L	U	1
Naphthalene	BQL	11.1	ug/L	U	1
Nitrobenzene	BQL	11.1	ug/L	U	1
Pentachlorophenol	BQL	22.2	ug/L	U	1
Phenanthrene	BQL	11.1	ug/L	U	1
Phenol	BQL	11.1	ug/L	U	1
Pyrene	BQL	11.1	ug/L	U	1
bis(2-chloroethoxy) methane	BQL	11.1	ug/L	U	1
bis(2-chloroethyl) ether	BQL	11.1	ug/L	U	1
bis(2-ethylhexyl) phthalate	BQL	11.1	ug/L	U	1
di-n-Butyl Phthalate	BQL	11.1	ug/L	U	1
di-n-Octyl Phthalate	BQL	11.1	ug/L	U	1
n-Nitrosodi-n-Propylamine	BQL	11.1	ug/L	U	1
n-Nitrosodiphenylamine	BQL	11.1	ug/L	U	1

Summary of Analytical Results

Client ID AB3008DL
GPL ID: 10052-009-04-1
Matrix: Water
Date Collected: Oct-10-2000
Date Received: Oct-11-2000

Prep Method: SW3520C
Prep Date: Oct-12-2000
Prep Time: 00:00
Prep Chemist: Veena Telhan

Analytical Method: SW8270CTCL
Date Analyzed: Oct-17-2000
Time Analyzed 21:55
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	1160	ug/L	U	100
1,2-Dichlorobenzene	BQL	1160	ug/L	U	100
1,3-Dichlorobenzene	BQL	1160	ug/L	U	100
1,4-Dichlorobenzene	BQL	1160	ug/L	U	100
2,2-Oxybis(1-Chloro)Propane	BQL	1160	ug/L	U	100
2,4,5-Trichlorophenol	BQL	1160	ug/L	U	100
2,4,6-Trichlorophenol	BQL	1160	ug/L	U	100
2,4-Dichlorophenol	BQL	1160	ug/L	U	100
2,4-Dimethylphenol	BQL	1160	ug/L	U	100
2,4-Dinitrophenol	BQL	2330	ug/L	U	100
2,4-Dinitrotoluene	47900	1160	ug/L		100
2,6-Dinitrotoluene	1060	1160	ug/L	J	100
2-Chloronaphthalene	BQL	1160	ug/L	U	100
2-Chlorophenol	BQL	1160	ug/L	U	100
2-Methylnaphthalene	BQL	1160	ug/L	U	100
2-Nitroaniline	BQL	1160	ug/L	U	100
2-Nitrophenol	BQL	1160	ug/L	U	100
2-methylphenol	BQL	1160	ug/L	U	100
3,3-Dichlorobenzidine	BQL	2330	ug/L	U	100
3-Nitroaniline	BQL	1160	ug/L	U	100
4,6-dinitro-2-methyl phenol	BQL	2330	ug/L	U	100
4-Bromophenyl-phenylether	BQL	1160	ug/L	U	100
4-Chloroaniline	BQL	1160	ug/L	U	100
4-Chlorophenyl Phenyl Ether	BQL	1160	ug/L	U	100
4-Nitroaniline	BQL	1160	ug/L	U	100
4-Nitrophenol	BQL	2330	ug/L	U	100
4-chloro-3-methylphenol	BQL	1160	ug/L	U	100
4-methylphenol	BQL	1160	ug/L	U	100
Acenaphthene	BQL	1160	ug/L	U	100
Acenaphthylene	BQL	1160	ug/L	U	100
Anthracene	BQL	1160	ug/L	U	100
Benzo(a)anthracene	BQL	1160	ug/L	U	100
Benzo(a)pyrene	BQL	1160	ug/L	U	100
Benzo(b)fluoranthene	BQL	1160	ug/L	U	100
Benzo(g,h,i)perylene	BQL	1160	ug/L	U	100
Benzo(k)fluoranthene	BQL	1160	ug/L	U	100
Benzyl Butyl Phthalate	BQL	1160	ug/L	U	100
Carbazole	BQL	1160	ug/L	U	100
Chrysene	BQL	1160	ug/L	U	100

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB3008DL
GPL ID: 10052-009-04-1
Matrix: Water
Date Collected: Oct-10-2000
Date Received: Oct-11-2000

Prep Method: SW3520C
Prep Date: Oct-12-2000
Prep Time: 00:00
Prep Chemist: Veena Telhan

Analytical Method: SW8270CTCL
Date Analyzed: Oct-17-2000
Time Analyzed 21:55
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	1160	ug/L	U	100
Dibenzofuran	BQL	1160	ug/L	U	100
Diethyl Phthalate	BQL	1160	ug/L	U	100
Dimethyl Phthalate	BQL	1160	ug/L	U	100
Fluoranthene	BQL	1160	ug/L	U	100
Fluorene	BQL	1160	ug/L	U	100
Hexachlorobenzene	BQL	1160	ug/L	U	100
Hexachlorobutadiene	BQL	1160	ug/L	U	100
Hexachlorocyclopentadiene	BQL	1160	ug/L	U	100
Hexachloroethane	BQL	1160	ug/L	U	100
Indeno(1,2,3-c,d)Pyrene	BQL	1160	ug/L	U	100
Isophorone	BQL	1160	ug/L	U	100
Naphthalene	BQL	1160	ug/L	U	100
Nitrobenzene	BQL	1160	ug/L	U	100
Pentachlorophenol	BQL	2330	ug/L	U	100
Phenanthrene	BQL	1160	ug/L	U	100
Phenol	BQL	1160	ug/L	U	100
Pyrene	BQL	1160	ug/L	U	100
bis(2-chloroethoxy) methane	BQL	1160	ug/L	U	100
bis(2-chloroethyl) ether	BQL	1160	ug/L	U	100
bis(2-ethylhexyl) phthalate	BQL	1160	ug/L	U	100
di-n-Butyl Phthalate	BQL	1160	ug/L	U	100
di-n-Octyl Phthalate	BQL	1160	ug/L	U	100
n-Nitrosodi-n-Propylamine	BQL	1160	ug/L	U	100
n-Nitrosodiphenylamine	BQL	1160	ug/L	U	100

Summary of Analytical Results

Client ID AB3008DL2
GPL ID: 10052-009-04-1
Matrix: Water
Date Collected: Oct-10-2000
Date Received: Oct-11-2000

Prep Method: SW3520C
Prep Date: Oct-12-2000
Prep Time: 00:00
Prep Chemist: Veena Telhan

Analytical Method: SW8270CTCL
Date Analyzed: Oct-18-2000
Time Analyzed 11:02
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	5810	ug/L	U	500
1,2-Dichlorobenzene	BQL	5810	ug/L	U	500
1,3-Dichlorobenzene	BQL	5810	ug/L	U	500
1,4-Dichlorobenzene	BQL	5810	ug/L	U	500
2,2-Oxybis(1-Chloro)Propane	BQL	5810	ug/L	U	500
2,4,5-Trichlorophenol	BQL	5810	ug/L	U	500
2,4,6-Trichlorophenol	BQL	5810	ug/L	U	500
2,4-Dichlorophenol	BQL	5810	ug/L	U	500
2,4-Dimethylphenol	BQL	5810	ug/L	U	500
2,4-Dinitrophenol	BQL	11600	ug/L	U	500
2,4-Dinitrotoluene	37600	5810	ug/L		500
2,6-Dinitrotoluene	994	5810	ug/L	J	500
2-Chloronaphthalene	BQL	5810	ug/L	U	500
2-Chlorophenol	BQL	5810	ug/L	U	500
2-Methylnaphthalene	BQL	5810	ug/L	U	500
2-Nitroaniline	BQL	5810	ug/L	U	500
2-Nitrophenol	BQL	5810	ug/L	U	500
2-methylphenol	BQL	5810	ug/L	U	500
3,3-Dichlorobenzidine	BQL	11600	ug/L	U	500
3-Nitroaniline	BQL	5810	ug/L	U	500
4,6-dinitro-2-methyl phenol	BQL	11600	ug/L	U	500
4-Bromophenyl-phenylether	BQL	5810	ug/L	U	500
4-Chloroaniline	BQL	5810	ug/L	U	500
4-Chlorophenyl Phenyl Ether	BQL	5810	ug/L	U	500
4-Nitroaniline	BQL	5810	ug/L	U	500
4-Nitrophenol	BQL	11600	ug/L	U	500
4-chloro-3-methylphenol	BQL	5810	ug/L	U	500
4-methylphenol	BQL	5810	ug/L	U	500
Acenaphthene	BQL	5810	ug/L	U	500
Acenaphthylene	BQL	5810	ug/L	U	500
Anthracene	BQL	5810	ug/L	U	500
Benzo(a)anthracene	BQL	5810	ug/L	U	500
Benzo(a)pyrene	BQL	5810	ug/L	U	500
Benzo(b)fluoranthene	BQL	5810	ug/L	U	500
Benzo(g,h,i)perylene	BQL	5810	ug/L	U	500
Benzo(k)fluoranthene	BQL	5810	ug/L	U	500
Benzyl Butyl Phthalate	BQL	5810	ug/L	U	500
Carbazole	BQL	5810	ug/L	U	500
Chrysene	BQL	5810	ug/L	U	500

Summary of Analytical Results

Client ID AB3008DL2
GPL ID: 10052-009-04-1
Matrix: Water
Date Collected: Oct-10-2000
Date Received: Oct-11-2000

Prep Method: SW3520C
Prep Date: Oct-12-2000
Prep Time: 00:00
Prep Chemist: Veena Telhan

Analytical Method: SW8270CTCL
Date Analyzed: Oct-18-2000
Time Analyzed 11:02
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	5810	ug/L	U	500
Dibenzofuran	BQL	5810	ug/L	U	500
Diethyl Phthalate	BQL	5810	ug/L	U	500
Dimethyl Phthalate	BQL	5810	ug/L	U	500
Fluoranthene	BQL	5810	ug/L	U	500
Fluorene	BQL	5810	ug/L	U	500
Hexachlorobenzene	BQL	5810	ug/L	U	500
Hexachlorobutadiene	BQL	5810	ug/L	U	500
Hexachlorocyclopentadiene	BQL	5810	ug/L	U	500
Hexachloroethane	BQL	5810	ug/L	U	500
Indeno(1,2,3-c,d)Pyrene	BQL	5810	ug/L	U	500
Isophorone	BQL	5810	ug/L	U	500
Naphthalene	BQL	5810	ug/L	U	500
Nitrobenzene	BQL	5810	ug/L	U	500
Pentachlorophenol	BQL	11600	ug/L	U	500
Phenanthrene	BQL	5810	ug/L	U	500
Phenol	BQL	5810	ug/L	U	500
Pyrene	BQL	5810	ug/L	U	500
bis(2-chloroethoxy) methane	BQL	5810	ug/L	U	500
bis(2-chloroethyl) ether	BQL	5810	ug/L	U	500
bis(2-ethylhexyl) phthalate	BQL	5810	ug/L	U	500
di-n-Butyl Phthalate	BQL	5810	ug/L	U	500
di-n-Octyl Phthalate	BQL	5810	ug/L	U	500
n-Nitrosodi-n-Propylamine	BQL	5810	ug/L	U	500
n-Nitrosodiphenylamine	BQL	5810	ug/L	U	500

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB0432
GPL ID: 10052-002-05-1
Matrix: Soil
Date Collected: Oct-10-2000
Date Received: Oct-11-2000

Prep Method: SW3550
Prep Date: Oct-12-2000
Prep Time: 16:47
Prep Chemist: Abel Moses

Analytical Method: SW8270CTCL
Date Analyzed: Oct-31-2000
Time Analyzed 21:36
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	437	ug/kg	U	1
1,2-Dichlorobenzene	BQL	437	ug/kg	U	1
1,3-Dichlorobenzene	BQL	437	ug/kg	U	1
1,4-Dichlorobenzene	BQL	437	ug/kg	U	1
2,2-Oxybis(1-Chloro)Propane	BQL	437	ug/kg	U	1
2,4,5-Trichlorophenol	BQL	437	ug/kg	U	1
2,4,6-Trichlorophenol	BQL	437	ug/kg	U	1
2,4-Dichlorophenol	BQL	437	ug/kg	U	1
2,4-Dimethylphenol	BQL	437	ug/kg	U	1
2,4-Dinitrophenol	BQL	874	ug/kg	U	1
2,4-Dinitrotoluene	BQL	437	ug/kg	U	1
2,6-Dinitrotoluene	BQL	437	ug/kg	U	1
2-Chloronaphthalene	BQL	437	ug/kg	U	1
2-Chlorophenol	BQL	437	ug/kg	U	1
2-Methylnaphthalene	BQL	437	ug/kg	U	1
2-Nitroaniline	BQL	437	ug/kg	U	1
2-Nitrophenol	BQL	437	ug/kg	U	1
2-methylphenol	BQL	437	ug/kg	U	1
3,3-Dichlorobenzidine	BQL	874	ug/kg	U	1
3-Nitroaniline	BQL	437	ug/kg	U	1
4,6-dinitro-2-methyl phenol	BQL	874	ug/kg	U	1
4-Bromophenyl-phenylether	BQL	437	ug/kg	U	1
4-Chloroaniline	BQL	437	ug/kg	U	1
4-Chlorophenyl Phenyl Ether	BQL	437	ug/kg	U	1
4-Nitroaniline	BQL	437	ug/kg	U	1
4-Nitrophenol	BQL	874	ug/kg	U	1
4-chloro-3-methylphenol	BQL	437	ug/kg	U	1
4-methylphenol	BQL	437	ug/kg	U	1
Acenaphthene	BQL	437	ug/kg	U	1
Acenaphthylene	BQL	437	ug/kg	U	1
Anthracene	BQL	437	ug/kg	U	1
Benzo(a)anthracene	269	437	ug/kg	J	1
Benzo(a)pyrene	305	437	ug/kg	J	1
Benzo(b)fluoranthene	443	437	ug/kg		1
Benzo(g,h,i)perylene	222	437	ug/kg	J	1
Benzo(k)fluoranthene	178	437	ug/kg	J	1
Benzyl Butyl Phthalate	BQL	437	ug/kg	U	1
Carbazole	BQL	437	ug/kg	U	1
Chrysene	310	437	ug/kg	J	1

Summary of Analytical Results

Client ID AB0432
GPL ID: 10052-002-05-1
Matrix: Soil
Date Collected: Oct-10-2000
Date Received: Oct-11-2000

Prep Method: SW3550
Prep Date: Oct-12-2000
Prep Time: 16:47
Prep Chemist: Abel Moses

Analytical Method: SW8270CTCL
Date Analyzed: Oct-31-2000
Time Analyzed 21:36
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	81.7	437	ug/kg	J	1
Dibenzofuran	BQL	437	ug/kg	U	1
Diethyl Phthalate	BQL	437	ug/kg	U	1
Dimethyl Phthalate	BQL	437	ug/kg	U	1
Fluoranthene	409	437	ug/kg	J	1
Fluorene	BQL	437	ug/kg	U	1
Hexachlorobenzene	BQL	437	ug/kg	U	1
Hexachlorobutadiene	BQL	437	ug/kg	U	1
Hexachlorocyclopentadiene	BQL	437	ug/kg	U	1
Hexachloroethane	BQL	437	ug/kg	U	1
Indeno(1,2,3-c,d)Pyrene	210	437	ug/kg	J	1
Isophorone	BQL	437	ug/kg	U	1
Naphthalene	BQL	437	ug/kg	U	1
Nitrobenzene	BQL	437	ug/kg	U	1
Pentachlorophenol	BQL	874	ug/kg	U	1
Phenanthrene	107	437	ug/kg	J	1
Phenol	BQL	437	ug/kg	U	1
Pyrene	330	437	ug/kg	J	1
bis(2-chloroethoxy) methane	BQL	437	ug/kg	U	1
bis(2-chloroethyl) ether	BQL	437	ug/kg	U	1
bis(2-ethylhexyl) phthalate	32.8	437	ug/kg	J	1
di-n-Butyl Phthalate	BQL	437	ug/kg	U	1
di-n-Octyl Phthalate	BQL	437	ug/kg	U	1
n-Nitrosodi-n-Propylamine	BQL	437	ug/kg	U	1
n-Nitrosodiphenylamine	BQL	437	ug/kg	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB0433
GPL ID: 10052-003-04-1
Matrix: Soil
Date Collected: Oct-10-2000
Date Received: Oct-11-2000

Prep Method: SW3550
Prep Date: Oct-12-2000
Prep Time: 16:47
Prep Chemist: Abel Moses

Analytical Method: SW8270CTCL
Date Analyzed: Oct-31-2000
Time Analyzed 22:23
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	435	ug/kg	U	1
1,2-Dichlorobenzene	BQL	435	ug/kg	U	1
1,3-Dichlorobenzene	BQL	435	ug/kg	U	1
1,4-Dichlorobenzene	BQL	435	ug/kg	U	1
2,2-Oxybis(1-Chloro)Propane	BQL	435	ug/kg	U	1
2,4,5-Trichlorophenol	BQL	435	ug/kg	U	1
2,4,6-Trichlorophenol	BQL	435	ug/kg	U	1
2,4-Dichlorophenol	BQL	435	ug/kg	U	1
2,4-Dimethylphenol	BQL	435	ug/kg	U	1
2,4-Dinitrophenol	BQL	870	ug/kg	U	1
2,4-Dinitrotoluene	BQL	435	ug/kg	U	1
2,6-Dinitrotoluene	BQL	435	ug/kg	U	1
2-Chloronaphthalene	BQL	435	ug/kg	U	1
2-Chlorophenol	BQL	435	ug/kg	U	1
2-Methylnaphthalene	BQL	435	ug/kg	U	1
2-Nitroaniline	BQL	435	ug/kg	U	1
2-Nitrophenol	BQL	435	ug/kg	U	1
2-methylphenol	BQL	435	ug/kg	U	1
3,3-Dichlorobenzidine	BQL	870	ug/kg	U	1
3-Nitroaniline	BQL	435	ug/kg	U	1
4,6-dinitro-2-methyl phenol	BQL	870	ug/kg	U	1
4-Bromophenyl-phenylether	BQL	435	ug/kg	U	1
4-Chloroaniline	BQL	435	ug/kg	U	1
4-Chlorophenyl Phenyl Ether	BQL	435	ug/kg	U	1
4-Nitroaniline	BQL	435	ug/kg	U	1
4-Nitrophenol	BQL	870	ug/kg	U	1
4-chloro-3-methylphenol	BQL	435	ug/kg	U	1
4-methylphenol	BQL	435	ug/kg	U	1
Acenaphthene	BQL	435	ug/kg	U	1
Acenaphthylene	BQL	435	ug/kg	U	1
Anthracene	BQL	435	ug/kg	U	1
Benzo(a)anthracene	BQL	435	ug/kg	U	1
Benzo(a)pyrene	BQL	435	ug/kg	U	1
Benzo(b)fluoranthene	BQL	435	ug/kg	U	1
Benzo(g,h,i)perylene	BQL	435	ug/kg	U	1
Benzo(k)fluoranthene	BQL	435	ug/kg	U	1
Benzyl Butyl Phthalate	BQL	435	ug/kg	U	1
Carbazole	BQL	435	ug/kg	U	1
Chrysene	BQL	435	ug/kg	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB0433
GPL ID: 10052-003-04-1
Matrix: Soil
Date Collected: Oct-10-2000
Date Received: Oct-11-2000

Prep Method: SW3550
Prep Date: Oct-12-2000
Prep Time: 16:47
Prep Chemist: Abel Moses

Analytical Method: SW8270CTCL
Date Analyzed: Oct-31-2000
Time Analyzed 22:23
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	435	ug/kg	U	1
Dibenzofuran	BQL	435	ug/kg	U	1
Diethyl Phthalate	BQL	435	ug/kg	U	1
Dimethyl Phthalate	BQL	435	ug/kg	U	1
Fluoranthene	BQL	435	ug/kg	U	1
Fluorene	BQL	435	ug/kg	U	1
Hexachlorobenzene	BQL	435	ug/kg	U	1
Hexachlorobutadiene	BQL	435	ug/kg	U	1
Hexachlorocyclopentadiene	BQL	435	ug/kg	U	1
Hexachloroethane	BQL	435	ug/kg	U	1
Indeno(1,2,3-c,d)Pyrene	BQL	435	ug/kg	U	1
Isophorone	BQL	435	ug/kg	U	1
Naphthalene	BQL	435	ug/kg	U	1
Nitrobenzene	BQL	435	ug/kg	U	1
Pentachlorophenol	BQL	870	ug/kg	U	1
Phenanthrene	BQL	435	ug/kg	U	1
Phenol	BQL	435	ug/kg	U	1
Pyrene	BQL	435	ug/kg	U	1
bis(2-chloroethoxy) methane	BQL	435	ug/kg	U	1
bis(2-chloroethyl) ether	BQL	435	ug/kg	U	1
bis(2-ethylhexyl) phthalate	88.3	435	ug/kg	J	1
di-n-Butyl Phthalate	BQL	435	ug/kg	U	1
di-n-Octyl Phthalate	BQL	435	ug/kg	U	1
n-Nitrosodi-n-Propylamine	BQL	435	ug/kg	U	1
n-Nitrosodiphenylamine	BQL	435	ug/kg	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB0437DL
GPL ID: 10052-004-05-1
Matrix: Soil
Date Collected: Oct-10-2000
Date Received: Oct-11-2000

Prep Method: SW3550
Prep Date: Oct-12-2000
Prep Time: 16:47
Prep Chemist: Abel Moses

Analytical Method: SW8270CTCL
Date Analyzed: Nov-01-2000
Time Analyzed 13:14
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	844	ug/kg	U	2
1,2-Dichlorobenzene	BQL	844	ug/kg	U	2
1,3-Dichlorobenzene	BQL	844	ug/kg	U	2
1,4-Dichlorobenzene	BQL	844	ug/kg	U	2
2,2-Oxybis(1-Chloro)Propane	BQL	844	ug/kg	U	2
2,4,5-Trichlorophenol	BQL	844	ug/kg	U	2
2,4,6-Trichlorophenol	BQL	844	ug/kg	U	2
2,4-Dichlorophenol	BQL	844	ug/kg	U	2
2,4-Dimethylphenol	BQL	844	ug/kg	U	2
2,4-Dinitrophenol	BQL	1690	ug/kg	U	2
2,4-Dinitrotoluene	BQL	844	ug/kg	U	2
2,6-Dinitrotoluene	BQL	844	ug/kg	U	2
2-Chloronaphthalene	BQL	844	ug/kg	U	2
2-Chlorophenol	BQL	844	ug/kg	U	2
2-Methylnaphthalene	BQL	844	ug/kg	U	2
2-Nitroaniline	BQL	844	ug/kg	U	2
2-Nitrophenol	BQL	844	ug/kg	U	2
2-methylphenol	BQL	844	ug/kg	U	2
3,3-Dichlorobenzidine	BQL	1690	ug/kg	U	2
3-Nitroaniline	BQL	844	ug/kg	U	2
4,6-dinitro-2-methyl phenol	BQL	1690	ug/kg	U	2
4-Bromophenyl-phenylether	BQL	844	ug/kg	U	2
4-Chloroaniline	BQL	844	ug/kg	U	2
4-Chlorophenyl Phenyl Ether	BQL	844	ug/kg	U	2
4-Nitroaniline	BQL	844	ug/kg	U	2
4-Nitrophenol	BQL	1690	ug/kg	U	2
4-chloro-3-methylphenol	BQL	844	ug/kg	U	2
4-methylphenol	BQL	844	ug/kg	U	2
Acenaphthene	BQL	844	ug/kg	U	2
Acenaphthylene	545	844	ug/kg	J	2
Anthracene	351	844	ug/kg	J	2
Benzo(a)anthracene	3320	844	ug/kg		2
Benzo(a)pyrene	3630	844	ug/kg		2
Benzo(b)fluoranthene	4820	844	ug/kg		2
Benzo(g,h,i)perylene	1780	844	ug/kg		2
Benzo(k)fluoranthene	1650	844	ug/kg		2
Benzyl Butyl Phthalate	BQL	844	ug/kg	U	2
Carbazole	BQL	844	ug/kg	U	2
Chrysene	3020	844	ug/kg		2

Summary of Analytical Results

Client ID AB0437DL
GPL ID: 10052-004-05-1
Matrix: Soil
Date Collected: Oct-10-2000
Date Received: Oct-11-2000

Prep Method: SW3550
Prep Date: Oct-12-2000
Prep Time: 16:47
Prep Chemist: Abel Moses

Analytical Method: SW8270CTCL
Date Analyzed: Nov-01-2000
Time Analyzed 13:14
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	601	844	ug/kg	J	2
Dibenzofuran	BQL	844	ug/kg	U	2
Diethyl Phthalate	BQL	844	ug/kg	U	2
Dimethyl Phthalate	BQL	844	ug/kg	U	2
Fluoranthene	4750	844	ug/kg		2
Fluorene	BQL	844	ug/kg	U	2
Hexachlorobenzene	BQL	844	ug/kg	U	2
Hexachlorobutadiene	BQL	844	ug/kg	U	2
Hexachlorocyclopentadiene	BQL	844	ug/kg	U	2
Hexachloroethane	BQL	844	ug/kg	U	2
Indeno(1,2,3-c,d)Pyrene	1890	844	ug/kg		2
Isophorone	BQL	844	ug/kg	U	2
Naphthalene	BQL	844	ug/kg	U	2
Nitrobenzene	BQL	844	ug/kg	U	2
Pentachlorophenol	BQL	1690	ug/kg	U	2
Phenanthrene	667	844	ug/kg	J	2
Phenol	BQL	844	ug/kg	U	2
Pyrene	4610	844	ug/kg		2
bis(2-chloroethoxy) methane	BQL	844	ug/kg	U	2
bis(2-chloroethyl) ether	BQL	844	ug/kg	U	2
bis(2-ethylhexyl) phthalate	BQL	844	ug/kg	U	2
di-n-Butyl Phthalate	BQL	844	ug/kg	U	2
di-n-Octyl Phthalate	BQL	844	ug/kg	U	2
n-Nitrosodi-n-Propylamine	BQL	844	ug/kg	U	2
n-Nitrosodiphenylamine	BQL	844	ug/kg	U	2

Summary of Analytical Results

Client ID AB0438DL
GPL ID: 10052-005-05-1
Matrix: Soil
Date Collected: Oct-10-2000
Date Received: Oct-11-2000

Prep Method: SW3550
Prep Date: Oct-12-2000
Prep Time: 16:47
Prep Chemist: Abel Moses

Analytical Method: SW8270CTCL
Date Analyzed: Nov-01-2000
Time Analyzed 12:28
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	4370	ug/kg	U	10
1,2-Dichlorobenzene	BQL	4370	ug/kg	U	10
1,3-Dichlorobenzene	BQL	4370	ug/kg	U	10
1,4-Dichlorobenzene	BQL	4370	ug/kg	U	10
2,2-Oxybis(1-Chloro)Propane	BQL	4370	ug/kg	U	10
2,4,5-Trichlorophenol	BQL	4370	ug/kg	U	10
2,4,6-Trichlorophenol	BQL	4370	ug/kg	U	10
2,4-Dichlorophenol	BQL	4370	ug/kg	U	10
2,4-Dimethylphenol	BQL	4370	ug/kg	U	10
2,4-Dinitrophenol	BQL	8740	ug/kg	U	10
2,4-Dinitrotoluene	1650	4370	ug/kg	J	10
2,6-Dinitrotoluene	BQL	4370	ug/kg	U	10
2-Chloronaphthalene	BQL	4370	ug/kg	U	10
2-Chlorophenol	BQL	4370	ug/kg	U	10
2-Methylnaphthalene	BQL	4370	ug/kg	U	10
2-Nitroaniline	BQL	4370	ug/kg	U	10
2-Nitrophenol	BQL	4370	ug/kg	U	10
2-methylphenol	BQL	4370	ug/kg	U	10
3,3-Dichlorobenzidine	BQL	8740	ug/kg	U	10
3-Nitroaniline	BQL	4370	ug/kg	U	10
4,6-dinitro-2-methyl phenol	BQL	8740	ug/kg	U	10
4-Bromophenyl-phenylether	BQL	4370	ug/kg	U	10
4-Chloroaniline	BQL	4370	ug/kg	U	10
4-Chlorophenyl Phenyl Ether	BQL	4370	ug/kg	U	10
4-Nitroaniline	BQL	4370	ug/kg	U	10
4-Nitrophenol	BQL	8740	ug/kg	U	10
4-chloro-3-methylphenol	BQL	4370	ug/kg	U	10
4-methylphenol	BQL	4370	ug/kg	U	10
Acenaphthene	BQL	4370	ug/kg	U	10
Acenaphthylene	BQL	4370	ug/kg	U	10
Anthracene	1340	4370	ug/kg	J	10
Benzo(a)anthracene	6940	4370	ug/kg		10
Benzo(a)pyrene	6330	4370	ug/kg		10
Benzo(b)fluoranthene	9050	4370	ug/kg		10
Benzo(g,h,i)perylene	2780	4370	ug/kg	J	10
Benzo(k)fluoranthene	3020	4370	ug/kg	J	10
Benzyl Butyl Phthalate	BQL	4370	ug/kg	U	10
Carbazole	BQL	4370	ug/kg	U	10
Chrysene	6280	4370	ug/kg		10

Summary of Analytical Results

Client ID AB0438DL
GPL ID: 10052-005-05-1
Matrix: Soil
Date Collected: Oct-10-2000
Date Received: Oct-11-2000

Prep Method: SW3550
Prep Date: Oct-12-2000
Prep Time: 16:47
Prep Chemist: Abel Moses

Analytical Method: SW8270CTCL
Date Analyzed: Nov-01-2000
Time Analyzed 12:28
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	1030	4370	ug/kg	J	10
Dibenzofuran	BQL	4370	ug/kg	U	10
Diethyl Phthalate	BQL	4370	ug/kg	U	10
Dimethyl Phthalate	BQL	4370	ug/kg	U	10
Fluoranthene	12900	4370	ug/kg		10
Fluorene	BQL	4370	ug/kg	U	10
Hexachlorobenzene	BQL	4370	ug/kg	U	10
Hexachlorobutadiene	BQL	4370	ug/kg	U	10
Hexachlorocyclopentadiene	BQL	4370	ug/kg	U	10
Hexachloroethane	BQL	4370	ug/kg	U	10
Indeno(1,2,3-c,d)Pyrene	2910	4370	ug/kg	J	10
Isophorone	BQL	4370	ug/kg	U	10
Naphthalene	BQL	4370	ug/kg	U	10
Nitrobenzene	BQL	4370	ug/kg	U	10
Pentachlorophenol	BQL	8740	ug/kg	U	10
Phenanthrene	4130	4370	ug/kg	J	10
Phenol	BQL	4370	ug/kg	U	10
Pyrene	10100	4370	ug/kg		10
bis(2-chloroethoxy) methane	BQL	4370	ug/kg	U	10
bis(2-chloroethyl) ether	BQL	4370	ug/kg	U	10
bis(2-ethylhexyl) phthalate	BQL	4370	ug/kg	U	10
di-n-Butyl Phthalate	BQL	4370	ug/kg	U	10
di-n-Octyl Phthalate	BQL	4370	ug/kg	U	10
n-Nitrosodi-n-Propylamine	BQL	4370	ug/kg	U	10
n-Nitrosodiphenylamine	BQL	4370	ug/kg	U	10

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB0439DL
GPL ID: 10052-006-05-1
Matrix: Soil
Date Collected: Oct-10-2000
Date Received: Oct-11-2000

Prep Method: SW3550
Prep Date: Oct-12-2000
Prep Time: 16:47
Prep Chemist: Abel Moses

Analytical Method: SW8270CTCL
Date Analyzed: Oct-31-2000
Time Analyzed 23:56
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	3910	ug/kg	U	10
1,2-Dichlorobenzene	BQL	3910	ug/kg	U	10
1,3-Dichlorobenzene	BQL	3910	ug/kg	U	10
1,4-Dichlorobenzene	BQL	3910	ug/kg	U	10
2,2-Oxybis(1-Chloro)Propane	BQL	3910	ug/kg	U	10
2,4,5-Trichlorophenol	BQL	3910	ug/kg	U	10
2,4,6-Trichlorophenol	BQL	3910	ug/kg	U	10
2,4-Dichlorophenol	BQL	3910	ug/kg	U	10
2,4-Dimethylphenol	BQL	3910	ug/kg	U	10
2,4-Dinitrophenol	BQL	7820	ug/kg	U	10
2,4-Dinitrotoluene	BQL	3910	ug/kg	U	10
2,6-Dinitrotoluene	BQL	3910	ug/kg	U	10
2-Chloronaphthalene	BQL	3910	ug/kg	U	10
2-Chlorophenol	BQL	3910	ug/kg	U	10
2-Methylnaphthalene	BQL	3910	ug/kg	U	10
2-Nitroaniline	BQL	3910	ug/kg	U	10
2-Nitrophenol	BQL	3910	ug/kg	U	10
2-methylphenol	BQL	3910	ug/kg	U	10
3,3-Dichlorobenzidine	BQL	7820	ug/kg	U	10
3-Nitroaniline	BQL	3910	ug/kg	U	10
4,6-dinitro-2-methyl phenol	BQL	7820	ug/kg	U	10
4-Bromophenyl-phenylether	BQL	3910	ug/kg	U	10
4-Chloroaniline	BQL	3910	ug/kg	U	10
4-Chlorophenyl Phenyl Ether	BQL	3910	ug/kg	U	10
4-Nitroaniline	BQL	3910	ug/kg	U	10
4-Nitrophenol	BQL	7820	ug/kg	U	10
4-chloro-3-methylphenol	BQL	3910	ug/kg	U	10
4-methylphenol	BQL	3910	ug/kg	U	10
Acenaphthene	BQL	3910	ug/kg	U	10
Acenaphthylene	BQL	3910	ug/kg	U	10
Anthracene	BQL	3910	ug/kg	U	10
Benzo(a)anthracene	BQL	3910	ug/kg	U	10
Benzo(a)pyrene	BQL	3910	ug/kg	U	10
Benzo(b)fluoranthene	BQL	3910	ug/kg	U	10
Benzo(g,h,i)perylene	BQL	3910	ug/kg	U	10
Benzo(k)fluoranthene	BQL	3910	ug/kg	U	10
Benzyl Butyl Phthalate	BQL	3910	ug/kg	U	10
Carbazole	BQL	3910	ug/kg	U	10
Chrysene	BQL	3910	ug/kg	U	10

Summary of Analytical Results

Client ID AB0439DL
GPL ID: 10052-006-05-1
Matrix: Soil
Date Collected: Oct-10-2000
Date Received: Oct-11-2000

Prep Method: SW3550
Prep Date: Oct-12-2000
Prep Time: 16:47
Prep Chemist: Abel Moses

Analytical Method: SW8270CTCL
Date Analyzed: Oct-31-2000
Time Analyzed 23:56
Analyst: Constantine Ditsious

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	3910	ug/kg	U	10
Dibenzofuran	BQL	3910	ug/kg	U	10
Diethyl Phthalate	BQL	3910	ug/kg	U	10
Dimethyl Phthalate	BQL	3910	ug/kg	U	10
Fluoranthene	BQL	3910	ug/kg	U	10
Fluorene	BQL	3910	ug/kg	U	10
Hexachlorobenzene	BQL	3910	ug/kg	U	10
Hexachlorobutadiene	BQL	3910	ug/kg	U	10
Hexachlorocyclopentadiene	BQL	3910	ug/kg	U	10
Hexachloroethane	BQL	3910	ug/kg	U	10
Indeno(1,2,3-c,d)Pyrene	BQL	3910	ug/kg	U	10
Isophorone	BQL	3910	ug/kg	U	10
Naphthalene	BQL	3910	ug/kg	U	10
Nitrobenzene	BQL	3910	ug/kg	U	10
Pentachlorophenol	BQL	7820	ug/kg	U	10
Phenanthrene	BQL	3910	ug/kg	U	10
Phenol	BQL	3910	ug/kg	U	10
Pyrene	BQL	3910	ug/kg	U	10
bis(2-chloroethoxy) methane	BQL	3910	ug/kg	U	10
bis(2-chloroethyl) ether	BQL	3910	ug/kg	U	10
bis(2-ethylhexyl) phthalate	BQL	3910	ug/kg	U	10
di-n-Butyl Phthalate	BQL	3910	ug/kg	U	10
di-n-Octyl Phthalate	BQL	3910	ug/kg	U	10
n-Nitrosodi-n-Propylamine	BQL	3910	ug/kg	U	10
n-Nitrosodiphenylamine	BQL	3910	ug/kg	U	10

2D
SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBROOK

Lab Code: GPL Case No.: N/A SAS No.: N/A SDG No.: N/A

Level: (low/med) LOW

	Client SAMPLE NO.	S1 (2FP) #	S2 (PHL) #	S3 (NBZ) #	S4 (FBP) #	S5 (TBP) #	S6 (TPH) #	TOT OUT
01	BLK7339	74	84	89	82	66	81	0
02	BKS7339	77	88	97	85	72	84	0
03	AB0432	69	78	79	74	66	81	0
04	AB0433	67	77	77	72	64	79	0
05	AB0439DL	78 8*	90 9*	84 8*	89 9*	69 7*	104 10*	0 0
06	AB0438DL	72 7*	82 8*	79 8*	77 8*	57 6*	89 9*	0 0
07	AB0437DL	66 33*	76 38	76 38	76 38*	57 28	85 43*	0 3

HM 11-03-00

				QC LIMITS
S1	(2FP)	=	2-Fluorophenol	(52-150)
S2	(PHL)	=	Phenol-d5	(20-150)
S3	(NBZ)	=	Nitrobenzene-d5	(26-150)
S4	(FBP)	=	2-Fluorobiphenyl	(41-128)
S5	(TBP)	=	2,4,6-Tribromophenol	(20-150)
S6	(TPH)	=	Terphenyl-d14	(52-110)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogate diluted out

2C
WATER SEMIVOLATILE SURROGATE RECOVERY

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBROOK

Lab Code: GPL Case No.: N/A SAS No.: N/A SDG No.: N/A

	Client SAMPLE NO.	S1 (2FP) #	S2 (PHL) #	S3 (NBZ) #	S4 (FBP) #	S5 (TBP) #	S6 (TPH) #	TOT OUT
01	BLK7342	46	64	72	74	100	87	0
02	BKS7342	43	62	68	70	102	80	0
03	AB3002DL	44	59	63	62	54	60	0
04	AB3008DL	21	43	54	47	24	38	0
05	AB3002DLMS	19	50	66	56	53	58	1
06	AB3002DLMSD	26	49	57	50	47	58	0
07	AB3005	38	57	63	60	94	65	0
08	AB3002DL2	35	54	58	57	47	62	0
09	AB3008DL2	D *	D *	D *	D *	D *	D *	6

MN 11-03-00

				QC LIMITS
S1	(2FP)	=	2-Fluorophenol	(20-150)
S2	(PHL)	=	Phenol-d5	(30-150)
S3	(NBZ)	=	Nitrobenzene-d5	(20-137)
S4	(FBP)	=	2-Fluorobiphenyl	(23-110)
S5	(TBP)	=	2,4,6-Tribromophenol	(20-150)
S6	(TPH)	=	Terphenyl-d14	(20-138)

 # Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogate diluted out

3F

WATER SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBROOK

Lab Code: GPLL SDG No.: N/A

EPA Sample No.: AB3002DLMS/DLMSD GP ID: 10052-007-04-1DLMS/MSD

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONC (ug/L)	MS CONC (ug/L)	MS % REC
Phenol	220	0	140	64
2-Chlorophenol	220	0	120	55
1,4-Dichlorobenzene	220	0	130	59
N-Nitroso-di-n-propylamine	220	0	170	77
1,2,4-Trichlorobenzene	220	0	120	55
4-Chloro-3-methylphenol	220	0	120	55
Acenaphthene	220	0	140	64
2,4-Dinitrotoluene	220	4800	4000	0
4-Nitrophenol	220	0	71	32
Pentachlorophenol	220	0	21	10
Pyrene	220	0	130	59

COMPOUND	SPIKE ADDED (ug/L)	MSD CONC (ug/L)	MSD % REC	% RPD	QC IMITS REC	RPD LIMITS
Phenol	220	120	55	15	20-150	35
2-Chlorophenol	220	110	50	9	23-134	50
1,4-Dichlorobenzene	220	120	55	8	20-125	27
N-Nitroso-di-n-propylamine	220	160	73	6	20-150	38
1,2,4-Trichlorobenzene	220	110	50	9	23-114	23
4-Chloro-3-methylphenol	220	120	55	0	26-147	33
Acenaphthene	220	120	55	15	20-116	19
2,4-Dinitrotoluene	220	3600	0	200	24-149	47
4-Nitrophenol	220	63	29	12	20-150	50
Pentachlorophenol	220	0	0	200	20-150	47
Pyrene	220	130	59	0	20-135	36

Comments: _____

* Denotes values outside of QC limits

3D

SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBROOK

Lab Code: GPL Case No.: N/A SAS No.: N/A SDG No.: N/A

Matrix Spike - EPA Sample No.: AA0461 Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC LIMITS REC.
Phenol	3900	0.0	3200	82	75 - 150
2-Chlorophenol	3900	0.0	2900	74	31 - 129
1,4-Dichlorobenzene	3900	0.0	2100	54	25 - 122
N-Nitroso-di-n-propylamine	3900	0.0	3200	82	20 - 150
1,2,4-Trichlorobenzene	3900	0.0	2300	59	51 - 120
4-Chloro-3-methylphenol	3900	0.0	3100	79	34 - 125
Acenaphthene	3900	0.0	2400	62	46 - 135
2,4-Dinitrotoluene	3900	1700	3900	56	38 - 137
4-Nitrophenol	3900	0.0	3300	85	20 - 150
Pentachlorophenol	3900	0.0	2600	67	32 - 137
Pyrene	3900	0.0	2700	69	24 - 144

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Phenol	3900	3300	85	4	35	75 - 150
2-Chlorophenol	3900	2900	74	0	50	31 - 129
1,4-Dichlorobenzene	3900	2100	54	0	27	25 - 122
N-Nitroso-di-n-propylamine	3900	3300	85	4	38	20 - 150
1,2,4-Trichlorobenzene	3900	2300	59	0	23	51 - 120
4-Chloro-3-methylphenol	3900	3600	92	15	33	34 - 125
Acenaphthene	3900	2500	64	3	19	46 - 135
2,4-Dinitrotoluene	3900	4300	67	18	47	38 - 137
4-Nitrophenol	3900	3700	95	11	50	20 - 150
Pentachlorophenol	3900	2900	74	10	47	32 - 137
Pyrene	3900	3000	77	11	36	24 - 144

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 11 outside limits

Spike Recovery: 0 out of 22 outside limits

COMMENTS:

3F

WATER LABORATORY CONTROL SPIKE RECOVERY

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBROOK

Lab Code: GPL Case No.: N/A SDG No.: N/A

EPA Sample No.: BKS7342 CLIENT ID: BKS7342

DATE EXTRACTED: 10/12/2000 WORK ORDER NO: 00-10-052

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC		INTERNAL QC LIMITS
Phenol	100	65	65		30-100
2-Chlorophenol	100	63	63	*	67-105
1,4-Dichlorobenzene	100	52	52		43-101
N-Nitroso-Di-n-Propylamine	100	79	79		43-150
1,2,4-Trichlorobenzene	100	55	55		51-100
4-Chloro-3-methylphenol	100	77	77		61-125
Acenaphthene	100	73	73		35-125
2,4-Dinitrotoluene	100	65	65	*	66-123
4-Nitrophenol	100	120	120		20-150
Pentachlorophenol	100	76	76		43-150
Pyrene	100	81	81		56-116

COMMENTS:

3F

SOIL LABORATORY CONTROL SPIKE RECOVERY

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBROOK

Lab Code: GPL SDG No.: N/A

EPA Sample No.: BKS7339 CLIENT ID: BKS7339

DATE EXTRACTED: 10/12/2000 WORK ORDER NO: 00-10-052

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	INTERNAL QC LIMITS
Phenol	3300	3700	112 *	47-111
2-Chlorophenol	3300	3200	97	52-124
1,4-Dichlorobenzene	3300	2700	82	52-112
N-Nitroso-Di-n-Propylamine	3300	3800	115	70-150
1,2,4-Trichlorobenzene	3300	2800	85	63-112
4-Chloro-3-methylphenol	3300	3600	109	63-125
Acenaphthene	3300	2700	82	45-104
2,4-Dinitrotoluene	3300	3200	97	56-133
4-Nitrophenol	3300	3900	118	44-150
Pentachlorophenol	3300	2800	85	27-142
Pyrene	3300	2800	85	56-106

*Values outside internal limits

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

BLK7342

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBRO

Lab Code: GPL Case No.: N/A SAS No.: N/A SDG No.: N/A

Lab File ID: P09298.D Lab Sample ID: SBLK-7342

Instrument ID: HP#P Date Extracted: 10/12/00

Matrix: (soil/water) WATER Date Analyzed: 10/17/00

Level: (low/med) LOW Time Analyzed: 19:35

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	Client SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	BKS7342	SBLK-7342MS	P09299.D	10/17/00
02	AB3002DL	10052-007-04-1DL	P09301.D	10/17/00
03	AB3008DL	10052-009-04-1DL	P09302.D	10/17/00
04	AB3002DLMS	10052-007-04-1DLMS	P09303.D	10/17/00
05	AB3002DLMSD	10052-007-04-1DLMSD	P09304.D	10/17/00
06	AB3005	10052-008-04-1	P09309.D	10/18/00
07	AB3002DL2	10052-007-04-1DL2	P09310.D	10/18/00
08	AB3008DL2	10052-009-04-1DL2	P09311.D	10/18/00

COMMENTS:

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

BLK7339

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBRO

Lab Code: GPL Case No.: N/A SAS No.: N/A SDG No.: N/A

Lab File ID: P09569.D Lab Sample ID: BLK7339

Instrument ID: HP#P Date Extracted: 10/12/00

Matrix: (soil/water) SOIL Date Analyzed: 10/31/00

Level: (low/med) LOW Time Analyzed: 20:02

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	Client SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	BKS7339	BKS7339	P09570.D	10/31/00
02	AB0432	10052-002-05-1	P09571.D	10/31/00
03	AB0433	10052-003-05-1	P09572.D	10/31/00
04	AB0439DL	10052-006-05-1DL	P09574.D	10/31/00
05	AB0438DL	10052-005-05-1DL	P09584.D	11/01/00
06	AB0437DL	10052-004-05-1DL	P09585.D	11/01/00

COMMENTS:

Summary of Analytical Results

Client ID AB0432
GPL ID: 10052-002-05-1
Matrix: Soil
Date Collected: Oct-10-2000
Date Received: Oct-11-2000

Prep Method: EXT_SW8330
Prep Date: Oct-13-2000
Prep Time: 00:00
Prep Chemist: Rekha Patel

Analytical Method: SW8330
Date Analyzed: Oct-16-2000
Time Analyzed 12:48
Analyst: Shukla Sarker

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	BQL	95.2	ug/kg	U	1
1,3-Dinitrobenzene	BQL	95.2	ug/kg	U	1
2,4,6-Trinitrotoluene	566	95.2	ug/kg		1
2,4-Dinitrotoluene	BQL	95.2	ug/kg	U	1
2,6-Dinitrotoluene	BQL	95.2	ug/kg	U	1
2-Amino-4,6-Dinitrotoluene	BQL	95.2	ug/kg	U	1
4-Amino-2,6-Dinitrotoluene	BQL	95.2	ug/kg	U	1
HMX	BQL	190	ug/kg	U	1
Nitrobenzene	BQL	95.2	ug/kg	U	1
RDX	BQL	190	ug/kg	U	1
Tetryl	BQL	190	ug/kg	U	1
m-Nitrotoluene	BQL	190	ug/kg	U	1
o-Nitrotoluene	BQL	190	ug/kg	U	1
p-Nitrotoluene	BQL	190	ug/kg	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB0433
GPL ID: 10052-003-04-1
Matrix: Soil
Date Collected: Oct-10-2000
Date Received: Oct-11-2000

Prep Method: EXT_SW8330
Prep Date: Oct-13-2000
Prep Time: 00:00
Prep Chemist: Rekha Patel

Analytical Method: SW8330
Date Analyzed: Oct-16-2000
Time Analyzed 13:16
Analyst: Shukla Sarker

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	238	100	ug/kg		1
1,3-Dinitrobenzene	BQL	100	ug/kg	U	1
2,4-Dinitrotoluene	BQL	100	ug/kg	U	1
2,6-Dinitrotoluene	BQL	100	ug/kg	U	1
2-Amino-4,6-Dinitrotoluene	226	100	ug/kg		1
4-Amino-2,6-Dinitrotoluene	293	100	ug/kg		1
HMX	BQL	200	ug/kg	U	1
Nitrobenzene	BQL	100	ug/kg	U	1
RDX	BQL	200	ug/kg	U	1
Tetryl	BQL	200	ug/kg	U	1
m-Nitrotoluene	BQL	200	ug/kg	U	1
o-Nitrotoluene	BQL	200	ug/kg	U	1
p-Nitrotoluene	BQL	200	ug/kg	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB0433	**Prep Method: EXT_SW8330**	**Analytical Method: SW8330**
GPL ID: 10052-003-04-1	**Prep Date: Oct-13-2000**	**Date Analyzed: Oct-17-2000**
Matrix: Soil	**Prep Time: 00:00**	**Time Analyzed 19:26**
Date Collected: Oct-10-2000	**Prep Chemist: Rekha Patel**	**Analyst: Shukla Sarker**
Date Received: Oct-11-2000		

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
2,4,6-Trinitrotoluene	47300	1000	ug/kg		10

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB0437
GPL ID: 10052-004-05-1
Matrix: Soil
Date Collected: Oct-10-2000
Date Received: Oct-11-2000

Prep Method: EXT_SW8330
Prep Date: Oct-13-2000
Prep Time: 00:00
Prep Chemist: Rekha Patel

Analytical Method: SW8330
Date Analyzed: Oct-16-2000
Time Analyzed 13:45
Analyst: Shukla Sarker

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	902	100	ug/kg		1
1,3-Dinitrobenzene	120	100	ug/kg		1
2,4-Dinitrotoluene	BQL	100	ug/kg	U	1
2,6-Dinitrotoluene	BQL	100	ug/kg	U	1
4-Amino-2,6-Dinitrotoluene	14600	100	ug/kg		1
HMX	BQL	200	ug/kg	U	1
Nitrobenzene	BQL	100	ug/kg	U	1
RDX	BQL	200	ug/kg	U	1
Tetryl	BQL	200	ug/kg	U	1
m-Nitrotoluene	1710	200	ug/kg		1
o-Nitrotoluene	BQL	200	ug/kg	U	1
p-Nitrotoluene	BQL	200	ug/kg	U	1

Summary of Analytical Results

Client ID AB0437
GPL ID: 10052-004-05-1
Matrix: Soil
Date Collected: Oct-10-2000
Date Received: Oct-11-2000

Prep Method: EXT_SW8330
Prep Date: Oct-13-2000
Prep Time: 00:00
Prep Chemist: Rekha Patel

Analytical Method: SW8330
Date Analyzed: Oct-17-2000
Time Analyzed 19:54
Analyst: Shukla Sarker

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
2,4,6-Trinitrotoluene	51100	1000	ug/kg		10
2-Amino-4,6-Dinitrotoluene	38000	1000	ug/kg		10

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB0438
GPL ID: 10052-005-05-1
Matrix: Soil
Date Collected: Oct-10-2000
Date Received: Oct-11-2000

Prep Method: EXT_SW8330
Prep Date: Oct-13-2000
Prep Time: 00:00
Prep Chemist: Rekha Patel

Analytical Method: SW8330
Date Analyzed: Nov-02-2000
Time Analyzed 10:20
Analyst: Shukla Sarker

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
2,4,6-Trinitrotoluene	5067000	95200	ug/kg		1000

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB0438
GPL ID: 10052-005-05-1
Matrix: Soil
Date Collected: Oct-10-2000
Date Received: Oct-11-2000

Prep Method: EXT_SW8330
Prep Date: Oct-13-2000
Prep Time: 00:00
Prep Chemist: Rekha Patel

Analytical Method: SW8330
Date Analyzed: Oct-16-2000
Time Analyzed 14:42
Analyst: Shukla Sarker

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	2430	95.2	ug/kg		1
1,3-Dinitrobenzene	142	95.2	ug/kg		1
2,4-Dinitrotoluene	1590	95.2	ug/kg		1
2,6-Dinitrotoluene	BQL	95.2	ug/kg	U	1
2-Amino-4,6-Dinitrotoluene	9410	95.2	ug/kg		1
4-Amino-2,6-Dinitrotoluene	10800	95.2	ug/kg		1
HMX	BQL	190	ug/kg	U	1
Nitrobenzene	BQL	95.2	ug/kg	U	1
RDX	BQL	190	ug/kg	U	1
Tetryl	BQL	190	ug/kg	U	1
m-Nitrotoluene	BQL	190	ug/kg	U	1
o-Nitrotoluene	BQL	190	ug/kg	U	1
p-Nitrotoluene	BQL	190	ug/kg	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB0439
GPL ID: 10052-006-05-1
Matrix: Soil
Date Collected: Oct-10-2000
Date Received: Oct-11-2000

Prep Method: EXT_SW8330
Prep Date: Oct-13-2000
Prep Time: 00:00
Prep Chemist: Rekha Patel

Analytical Method: SW8330
Date Analyzed: Oct-16-2000
Time Analyzed 15:39
Analyst: Shukla Sarker

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	2690	100	ug/kg		1
1,3-Dinitrobenzene	127	100	ug/kg		1
2,4-Dinitrotoluene	BQL	100	ug/kg	U	1
2,6-Dinitrotoluene	BQL	100	ug/kg	U	1
2-Amino-4,6-Dinitrotoluene	4800	100	ug/kg		1
4-Amino-2,6-Dinitrotoluene	BQL	100	ug/kg	U	1
HMX	BQL	200	ug/kg	U	1
Nitrobenzene	BQL	100	ug/kg	U	1
RDX	BQL	200	ug/kg	U	1
Tetryl	BQL	200	ug/kg	U	1
m-Nitrotoluene	271	200	ug/kg		1
o-Nitrotoluene	BQL	200	ug/kg	U	1
p-Nitrotoluene	BQL	200	ug/kg	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB0439
GPL ID: 10052-006-05-1
Matrix: Soil
Date Collected: Oct-10-2000
Date Received: Oct-11-2000

Prep Method: EXT_SW8330
Prep Date: Oct-13-2000
Prep Time: 00:00
Prep Chemist: Rekha Patel

Analytical Method: SW8330
Date Analyzed: Oct-17-2000
Time Analyzed 20:51
Analyst: Shukla Sarker

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
2,4,6-Trinitrotoluene	2588000	20000	ug/kg		200

Summary of Analytical Results

Client ID AB3002
GPL ID: 10052-007-08-1
Matrix: Water
Date Collected: Oct-10-2000
Date Received: Oct-11-2000

Prep Method: EXT_SW8330
Prep Date: Oct-12-2000
Prep Time: 17:38
Prep Chemist: Saeid Soleimani

Analytical Method: SW8330
Date Analyzed: Nov-02-2000
Time Analyzed 11:41
Analyst: Shukla Sarker

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
4-Amino-2,6-Dinitrotoluene	436	13	ug/L		50
o-Nitrotoluene	258	26	ug/L		50

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB3002
GPL ID: 10052-007-08-1
Matrix: Water
Date Collected: Oct-10-2000
Date Received: Oct-11-2000

Prep Method: EXT_SW8330
Prep Date: Oct-12-2000
Prep Time: 17:38
Prep Chemist: Saeid Soleimani

Analytical Method: SW8330
Date Analyzed: Oct-17-2000
Time Analyzed 15:23
Analyst: Shukla Sarker

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	BQL	0.26	ug/L	U	1
1,3-Dinitrobenzene	0.802	0.26	ug/L		1
2,6-Dinitrotoluene	BQL	0.26	ug/L	U	1
2-Amino-4,6-Dinitrotoluene	BQL	0.26	ug/L	U	1
HMX	BQL	0.52	ug/L	U	1
Nitrobenzene	BQL	0.26	ug/L	U	1
RDX	BQL	0.52	ug/L	U	1
Tetryl	BQL	0.52	ug/L	U	1
m-Nitrotoluene	16.1	0.52	ug/L		1
p-Nitrotoluene	94.7	0.52	ug/L		1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB3002
GPL ID: 10052-007-08-1
Matrix: Water
Date Collected: Oct-10-2000
Date Received: Oct-11-2000

Prep Method: EXT_SW8330
Prep Date: Oct-12-2000
Prep Time: 17:38
Prep Chemist: Saeid Soleimani

Analytical Method: SW8330
Date Analyzed: Oct-23-2000
Time Analyzed 19:32
Analyst: Shukla Sarker

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
2,4,6-Trinitrotoluene	1880	130	ug/L		500
2,4-Dinitrotoluene	1260	130	ug/L		500

Summary of Analytical Results

Client ID AB3005
GPL ID: 10052-008-08-1
Matrix: Water
Date Collected: Oct-10-2000
Date Received: Oct-11-2000

Prep Method: EXT_SW8330
Prep Date: Oct-12-2000
Prep Time: 17:38
Prep Chemist: Saeid Soleimani

Analytical Method: SW8330
Date Analyzed: Oct-17-2000
Time Analyzed 16:20
Analyst: Shukla Sarker

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	10.3	0.26	ug/L		1
1,3-Dinitrobenzene	BQL	0.26	ug/L	U	1
2,4-Dinitrotoluene	9.64	0.26	ug/L		1
2,6-Dinitrotoluene	BQL	0.26	ug/L	U	1
2-Amino-4,6-Dinitrotoluene	34.9	0.26	ug/L		1
4-Amino-2,6-Dinitrotoluene	48.0	0.26	ug/L		1
HMX	BQL	0.52	ug/L	U	1
Nitrobenzene	0.488	0.26	ug/L		1
RDX	BQL	0.52	ug/L	U	1
Tetryl	BQL	0.52	ug/L	U	1
m-Nitrotoluene	BQL	0.52	ug/L	U	1
o-Nitrotoluene	BQL	0.52	ug/L	U	1
p-Nitrotoluene	BQL	0.52	ug/L	U	1

Summary of Analytical Results

Client ID AB3005
GPL ID: 10052-008-08-1
Matrix: Water
Date Collected: Oct-10-2000
Date Received: Oct-11-2000

Prep Method: EXT_SW8330
Prep Date: Oct-12-2000
Prep Time: 17:38
Prep Chemist: Saeid Soleimani

Analytical Method: SW8330
Date Analyzed: Oct-23-2000
Time Analyzed 20:01
Analyst: Shukla Sarker

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
2,4,6-Trinitrotoluene	9720	130	ug/L		500

Summary of Analytical Results

Client ID AB3008
GPL ID: 10052-009-08-1
Matrix: Water
Date Collected: Oct-10-2000
Date Received: Oct-11-2000

Prep Method: EXT_SW8330
Prep Date: Oct-12-2000
Prep Time: 17:38
Prep Chemist: Saeid Soleimani

Analytical Method: SW8330
Date Analyzed: Nov-02-2000
Time Analyzed 13:05
Analyst: Shukla Sarker

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
4-Amino-2,6-Dinitrotoluene	419	13	ug/L		50
o-Nitrotoluene	236	26	ug/L		50
p-Nitrotoluene	189	26	ug/L		50

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB3008
GPL ID: 10052-009-08-1
Matrix: Water
Date Collected: Oct-10-2000
Date Received: Oct-11-2000

Prep Method: EXT_SW8330
Prep Date: Oct-12-2000
Prep Time: 17:38
Prep Chemist: Saeid Soleimani

Analytical Method: SW8330
Date Analyzed: Oct-17-2000
Time Analyzed 17:32
Analyst: Shukla Sarker

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	BQL	0.26	ug/L	U	1
1,3-Dinitrobenzene	BQL	0.26	ug/L	U	1
2,6-Dinitrotoluene	BQL	0.26	ug/L	U	1
2-Amino-4,6-Dinitrotoluene	BQL	0.26	ug/L	U	1
HMX	BQL	0.52	ug/L	U	1
Nitrobenzene	BQL	0.26	ug/L	U	1
RDX	BQL	0.52	ug/L	U	1
Tetryl	BQL	0.52	ug/L	U	1
m-Nitrotoluene	18.4	0.52	ug/L		1

Summary of Analytical Results

Client ID AB3008
GPL ID: 10052-009-08-1
Matrix: Water
Date Collected: Oct-10-2000
Date Received: Oct-11-2000

Prep Method: EXT_SW8330
Prep Date: Oct-12-2000
Prep Time: 17:38
Prep Chemist: Saeid Soleimani

Analytical Method: SW8330
Date Analyzed: Oct-23-2000
Time Analyzed 20:29
Analyst: Shukla Sarker

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
2,4,6-Trinitrotoluene	20100	130	ug/L		500
2,4-Dinitrotoluene	21100	130	ug/L		500

2D
SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBROOK

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Level: (low/med) LOW

	Client SAMPLE NO.	S1 #		TOT OUT
01	NBLKA	84		0
02	NLCSA	78		0
03	AB0432	88		0
04	AB0433	85		0
05	AB0437	92		0
06	AB0438	100		0
07	AB0439	96		0
08	AB0433 DIL	7	D	1
09	AB0437 DIL	9	D	1
10	AB0439 DIL		D	1
11	AB0438 DIL		D	1

C 11-1-00

S1 = 4-NITROANILINE QC LIMITS (24-140)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogate diluted out

2C
WATER EXPLOSIVES SURROGATE RECOVERY

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBROOK

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

	CLIENT SAMPLE NO.	S1 #	TOT OUT
01	NBLKB	59	0
02	NLCSB	57	0
03	AB3002	63	0
04	AB3005	43	0
05	AB3008	78	0
06	AB3002 DIL2	D	1
07	AB3005 DIL	D	1
08	AB3008 DIL2	D	1
09	AB3002 DIL	D	1
10	AB3008 DIL	D	1

C 11-1-00

			QC LIMITS
S1	=	4-NITROANILINE	(22-98)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogate diluted out

3D

SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBROOK

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Matrix Spike - EPA Sample No.: 0535 Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC LIMITS REC.
HMX	3000	0.0	2600	87	70 - 113
1,3,5-TRINITROBENZENE	1500	0.0	1500	100	20 - 150
TETRYL	3000	0.0	2400	80	20 - 103
2,4,6-TRINITROTOLUENE	1500	0.0	1900	127	46 - 150
4-AMINO-2,6-DINITROTOLU	1500	0.0	1500	100	39 - 136
4-NITROTOLUENE	3000	0.0	2700	90	72 - 114
RDX	3000	0.0	2500	83	70 - 124
1,3-DINITROBENZENE	1500	0.0	1400	93	70 - 127
NITROBENZENE	1500	81	1400	87	70 - 120
2-AMINO-4,6-DINITROTOLU	1500	0.0	2200	147	43 - 150
2,4-DINITROTOLUENE	3000	0.0	1900	63	56 - 100
2-NITROTOLUENE	3000	0.0	2600	87	70 - 116
3-NITROTOLUENE	3000	0.0	2700	90	70 - 109

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
HMX	3000	2700	90	3	25	70 - 113
1,3,5-TRINITROBENZENE	1500	1500	100	0	25	20 - 150
TETRYL	3000	2400	80	0	25	20 - 103
2,4,6-TRINITROTOLUENE	1500	1900	127	0	25	46 - 150
4-AMINO-2,6-DINITROTOLU	1500	1500	100	0	25	39 - 136
4-NITROTOLUENE	3000	2800	93	3	25	72 - 114
RDX	3000	2600	87	5	25	70 - 124
1,3-DINITROBENZENE	1500	1400	93	0	25	70 - 127
NITROBENZENE	1500	1400	87	0	25	70 - 120
2-AMINO-4,6-DINITROTOLU	1500	1900	127	15	25	43 - 150
2,4-DINITROTOLUENE	3000	1900	63	0	25	56 - 100
2-NITROTOLUENE	3000	2600	87	0	25	70 - 116

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 13 outside limits

Spike Recovery: 0 out of 26 outside limits

COMMENTS:

3D

SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBROOK

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Matrix Spike - EPA Sample No.: 0535 Level: (low/med) LOW

3-NITROTOLUENE	3000	2700	90	0	25	70 - 109

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 0 outside limits

Spike Recovery: 0 out of 0 outside limits

COMMENTS:

3C

WATER EXPLOSIVES MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: GPL_LABORATORIES Contract: ENVIRO TEST LA

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Matrix Spike - EPA Sample No.: F7782-1

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
HMX	12	0.0	11	92	56 - 116
1,3,5-TRINITROBENZENE	6.0	0.0	5.7	95	26 - 150
TETRYL	12	0.0	9.3	78	20 - 143
2,4,6-TRINITROTOLUENE	6.0	0.0	7.3	122	38 - 157
4-AMINO-2,6-DINITROTOLU	6.0	0.0	6.0	100	60 - 128
RDX	12	0.0	11	92	41 - 121
1,3-DINITROBENZENE	6.0	0.0	5.5	92	50 - 115
NITROBENZENE	6.0	0.0	4.8	80	52 - 113
2-AMINO-4,6-DINITROTOLU	6.0	0.0	5.7	95	51 - 120
2,4-DINITROTOLUENE	12	0.0	8.8	73	48 - 97
4-NITROTOLUENE	12	0.0	10	83	41 - 128
2-NITROTOLUENE	12	0.0	9.9	83	45 - 125
3-NITROTOLUENE	12	0.0	9.9	83	50 - 117

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
HMX	12	9.2	77	18	25	56 - 116
1,3,5-TRINITROBENZENE	6.0	4.4	73	26*	25	26 - 150
TETRYL	12	6.1	51	42*	25	20 - 143
2,4,6-TRINITROTOLUENE	6.0	6.9	115	6	25	38 - 157
4-AMINO-2,6-DINITROTOLU	6.0	5.2	87	14	25	60 - 128
RDX	12	9.1	76	19	25	41 - 121
1,3-DINITROBENZENE	6.0	4.7	78	16	25	50 - 115
NITROBENZENE	6.0	4.6	77	4	25	52 - 113
2-AMINO-4,6-DINITROTOLU	6.0	5.5	92	3	25	51 - 120
2,4-DINITROTOLUENE	12	8.7	73	0	25	48 - 97
4-NITROTOLUENE	12	9.3	78	6	25	41 - 128
2-NITROTOLUENE	12	9.0	75	10	25	45 - 125

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 2 out of 13 outside limits

Spike Recovery: 0 out of 26 outside limits

COMMENTS:

3C

WATER EXPLOSIVES MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: GPL_LABORATORIES Contract: ENVIRO TEST LA

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Matrix Spike - EPA Sample No.: F7782-1

3-NITROTOLUENE	12	9.3	78	6	25	50 -	117

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 0 outside limits

Spike Recovery: 0 out of 0 outside limits

COMMENTS:

3F

SOIL LABORATORY CONTROL SPIKE RECOVERY

Lab Name: GPL Laboratories Contract: IT_PLUMBROOK

Lab Code: GPLL Case No.: N/A SAS No. N/A SDG No. N/A

EPA Sample No.: NLCSA GP ID: BLK7344

COMPOUND	SPIKE ADDED (ug/kg)	LCS CONCENTRATION (ug/kg)	LCS % REC	QC LIMITS
HMX	3000	2604	87	70-114
1,3,5-TNB	1500	1458	97	70-118
TETRYL	3000	1908	64	26-100
TNT	1500	1590	106	70-150
4-AMINO-2,6-DNT	1500	1150	77	60-112
4-NITROTOLUENE	3000	2639	88	70-119
RDX	3000	2555	85	70-118
1,3-DINITROBENZENE	1500	1325	88	70-118
NITROBENZENE	1500	1664	111	70-121
2-AMINO-4,6-DNT	1500	2094	140	69-146
2,4-DNT	3000	1573	52 *	64-100
2-NITROTOLUENE	3000	2588	86	70-122
3-NITROTOLUENE	3000	2602	87	70-111

e4/2-03

* OUTSIDE QC LIMIT

COMMENTS:

3F

WATER LABORATORY CONTROL SPIKE RECOVERY

Lab Name: GPL Laboratories Contract: IT_PLUMBROOK

Lab Code: GPLL Case No.: N/A SAS No. N/A SDG No.: N/A

EPA Sample No.: NLCSB GP ID: BKS7340

COMPOUND	SPIKE ADDED ug/l	LCS CONCENTRATION ug/l	LCS % REC	QC LIMITS
HMX	7.8	5.8	74	70-127
1,3,5-TNB	3.9	3.1	79	20-150
TETRYL	7.8	4.1	52	20-104
TNT	3.9	3.8	98	70-150
4-AMINO-2,6-DNT	3.9	3.3	86	63-121
4-NITROTOLUENE	7.8	5.7	73	57-139
RDX	7.8	5.8	74	70-124
1,3-DINITROBENZENE	3.9	3.0	76	65-141
NITROBENZENE	3.9	3.0	77	71-134
2-AMINO-4,6-DNT	3.9	4.3	110	43-150
2,4-DNT	7.8	4.2	54	53-101
2-NITROTOLUENE	7.8	5.9	76	63-132
3-NITROTOLUENE	7.8	5.8	75	68-133

* OUTSIDE QC LIMIT

COMMENTS:

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

NBLKA

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBRO

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Lab File ID: LCA2650.D Lab Sample ID: NBLK-7344

Instrument ID: LCA Date Extracted: 10/13/00

Matrix: (soil/water) SOIL Date Analyzed: 10/16/00

Level: (low/med) LOW Time Analyzed: 10:54

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	Client SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	NLCSA	NBLK-7344 MS	LCA2651.D	10/16/00
02	AB0432	10052-002	LCA2654.D	10/16/00
03	AB0433	10052-003	LCA2655.D	10/16/00
04	AB0437	10052-004	LCA2656.D	10/16/00
05	AB0438	10052-005	LCA2658.D	10/16/00
06	AB0439	10052-006	LCA2660.D	10/16/00
07	AB0433 DIL	10052-003 10X	LCA2680.D	10/17/00
08	AB0437 DIL	10052-004 10X	LCA2681.D	10/17/00
09	AB0439 DIL	10052-006 200X	LCA2683.D	10/17/00
10	AB0438 DIL	10052-005 1000X	LCA3117.D	11/02/00

COMMENTS:

4B

EXPLOSIVES METHOD BLANK SUMMARY

EPA SAMPLE NO.

NBLKB

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBRO

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Lab File ID: LCA2668.D Lab Sample ID: NBLK-7340

Instrument ID: LCA Date Extracted: 10/12/00

Matrix: (soil/water) WATER Date Analyzed: 10/17/00

Level: (low/med) LOW Time Analyzed: 13:29

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	Client Sample NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	NLCSB	NBLK-7340 MS	LCA2669.D	10/17/00
02	AB3002	10052-007	LCA2672.D	10/17/00
03	AB3005	10052-008	LCA2674.D	10/17/00
04	AB3008	10052-009	LCA2676.D	10/17/00
05	AB3002 DIL2	10052-007 500X	LCA2919.D	10/23/00
06	AB3005 DIL	10052-008 500X	LCA2920.D	10/23/00
07	AB3008 DIL2	10052-009 500X	LCA2921.D	10/23/00
08	AB3002 DIL	10052-007 50X	LCA3118.D	11/02/00
09	AB3008 DIL	10052-009 50X	LCA3119.D	11/02/00

COMMENTS:

GPL LABORATORIES, LLLP

Qualifier Definitions

U = Indicates that the compound was analyzed for but not detected at or above the reporting limit

Organics:

B = Indicates that the analyte was found in the associated blank as well as in the sample

D = Indicates that the analyte was reported from a diluted analysis

E = Indicates that the concentration detected exceeded the calibration range of the instrument

J = Value is less than the reporting limits but greater than the MDL

P = Indicates that there is greater than 25% difference for detected pesticide/Aroclor results between the two GC columns

Metals:

B = Indicates that the reported value was less than the reporting limit but greater than or equal to the IDL/MDL

E = Indicates that reported value is estimated because of the possible presence of interference (i.e., the serial dilution not within control limits)

H = Indicates that the element was found in the associated blank as well as in the sample and the value is greater than or equal to the reporting limit

N = Spiked sample recovery not within control limits

• = Duplicate analysis not within control limits

IT CORPORATION
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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 10102000-GPL

Project Number: 773206
Samples Shipment Date: 10 OCT 2000
Project Name: PLUMBROOK ORDNANCE WOR
ab Destination: GPL Labotatories
Sample Coordinator: Duane Nielsen
Lab Contact: Bill Lock
Turnaround Time:
Project Contact: Kim Napier
Carrier/Waybill No.: Fed Ex/8227 8051 5098

Bill To: Accounts Receivable
312 Directors Drive
Knoxville TN 37923

Report To: Kim Napier
312 Directors Drive
Knoxville TN 37923

Special Instructions: 48 HOUR HOLD TIME ON ENCORES. ACETATE SLEEVES ARE EXTRA VOC ANALYSIS.

Possible Hazard Indentification:

Non-hazard | Flammable | Skin Irritant | Poison B | Unknown X

Sample Disposal:

Return to Client | Disposal by Lab X | Archive (mos.)

1. Relinquished By (Signature/Affiliation) Chris Fowler — Date: 10/10/00 Time: 18:00
2. Relinquished By (Signature/Affiliation) — Date: Time:
3. Relinquished By (Signature/Affiliation) — Date: Time:

1. Received By (Signature/Affiliation) — Date: Time:
2. Received By (Signature/Affiliation) — Date: Time:
3. Received By (Signature/Affiliation) C Ryan — Date: 10/11/00 Time: 10:55 Am

Comments:

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
10102000-TB2	FIELDQC-BW-10102000-TB2-TB	10 OCT 2000	07:00	40 ml GVIAL,SEP	2	HCl<pH 2	TCL Volatiles by SW-846 8260B	N		
AB0432	PBOW-00-SO-TNTC-SO107-AB0432-(00-01)	10 OCT 2000	14:25	5 oz ENCORE	3	None except cool to 4 C	TCL Volatiles by SW-846 8260B	N		
AB0432	PBOW-00-SO-TNTC-SO107-AB0432-(00-01)	10 OCT 2000	14:25	8 oz CWM	1	None except cool to 4 C	PCBs by SW-846 8082, TCL Semivolatiles by SW-846 8270C	N		
AB0432	PBOW-00-SO-TNTC-SO107-AB0432-(00-01)	10 OCT 2000	14:25	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by SW-846 8330, TAL Metals by SW-846 6010B/7471A in soil	N		
AB0433	PBOW-00-SO-TNTC-SO107-AB0433-(03-04)	10 OCT 2000	15:10	5 oz ENCORE	3	None except cool to 4 C	TCL Volatiles by SW-846 8260B	N		
AB0433	PBOW-00-SO-TNTC-SO107-AB0433-(03-04)	10 OCT 2000	15:10	8 oz CWM	1	None except cool to 4 C	PCBs by SW-846 8082, TCL Semivolatiles by SW-846 8270C	N		

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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 10102000-GPL

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
AB0433	PBOW-00-SO-TNTC-SO107-AB0433-(03-04)	10 OCT 2000	15:10	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by SW-846 8330, TAL Metals by SW-846 6010B/7471A in soil	N		
AB0437	PBOW-00-SO-TNTC-SO134-AB0437-(00-01)	10 OCT 2000	17:10	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by SW-846 8330, TAL Metals by SW-846 6010B/7471A in soil	N		
AB0437	PBOW-00-SO-TNTC-SO134-AB0437-(00-01)	10 OCT 2000	17:10	8 oz CWM	1	None except cool to 4 C	PCBs by SW-846 8082, TCL Semivolatiles by SW-846 8270C	N		
AB0437	PBOW-00-SO-TNTC-SO134-AB0437-(00-01)	10 OCT 2000	17:10	5 oz ENCORE	3	None except cool to 4 C	TCL Volatiles by SW-846 8260B	N		
AB0438	PBOW-00-SO-TNTC-SO151-AB0438-(00-01)	10 OCT 2000	16:35	5 oz ENCORE	3	None except cool to 4 C	TCL Volatiles by SW-846 8260B	N		
AB0438	PBOW-00-SO-TNTC-SO151-AB0438-(00-01)	10 OCT 2000	16:35	8 oz CWM	1	None except cool to 4 C	PCBs by SW-846 8082, TCL Semivolatiles by SW-846 8270C	N		
AB0438	PBOW-00-SO-TNTC-SO151-AB0438-(00-01)	10 OCT 2000	16:35	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by SW-846 8330, TAL Metals by SW-846 6010B/7471A in soil	N		
AB0439	PBOW-00-SO-TNTC-SO151-AB0439-(01-02)	10 OCT 2000	17:25	5 oz ENCORE	3	None except cool to 4 C	TCL Volatiles by SW-846 8260B	N		
AB0439	PBOW-00-SO-TNTC-SO151-AB0439-(01-02)	10 OCT 2000	17:25	8 oz CWM	1	None except cool to 4 C	PCBs by SW-846 8082, TCL Semivolatiles by SW-846 8270C	N		
AB0439	PBOW-00-SO-TNTC-SO151-AB0439-(01-02)	10 OCT 2000	17:25	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by SW-846 8330, TAL Metals by SW-846 6010B/7471A in soil	N		
AB3002	PBOW-00-GW-TNTC-GW02-AB3002-(00-00)	10 OCT 2000	10:55	1 L Amb. Glass	2	None except cool to 4 C	Nitroaromatics by SW-846 8330	N		
AB3002	PBOW-00-GW-TNTC-GW02-AB3002-(00-00)	10 OCT 2000	10:55	1 L HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010B/7470A in water	N		
AB3002	PBOW-00-GW-TNTC-GW02-AB3002-(00-00)	10 OCT 2000	10:55	1 L Amb. Glass	2	None except cool to 4 C	PCBs by SW-846 8082	N		
AB3002	PBOW-00-GW-TNTC-GW02-AB3002-(00-00)	10 OCT 2000	10:55	40 mL GVIAL,SEP	3	HCl<pH 2	TCL Volatiles by SW-846 8260B	N		
AB3002	PBOW-00-GW-TNTC-GW02-AB3002-(00-00)	10 OCT 2000	10:55	1 L Amb. Glass	2	None except cool to 4 C	TCL Semivolatiles by SW-846 8270C	N		
AB3005	PBOW-00-GW-TNTC-GW05-AB3005-(00-00)	10 OCT 2000	14:00	40 mL GVIAL,SEP	3	HCl<pH 2	TCL Volatiles by SW-846 8260B	N		
AB3005	PBOW-00-GW-TNTC-GW05-AB3005-(00-00)	10 OCT 2000	14:00	1 L Amb. Glass	2	None except cool to 4 C	TCL Semivolatiles by SW-846 8270C	N		
AB3005	PBOW-00-GW-TNTC-GW05-AB3005-(00-00)	10 OCT 2000	14:00	1 L HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010B/7470A in water	N		
AB3005	PBOW-00-GW-TNTC-GW05-AB3005-(00-00)	10 OCT 2000	14:00	1 L Amb. Glass	2	None except cool to 4 C	PCBs by SW-846 8082	N		
AB3005	PBOW-00-GW-TNTC-GW05-AB3005-(00-00)	10 OCT 2000	14:00	1 L Amb. Glass	2	None except cool to 4 C	Nitroaromatics by SW-846 8330	N		
AB3008	PBOW-00-GW-TNTC-GW08-AB3008-(00-00)	10 OCT 2000	11:40	1 L Amb. Glass	2	None except cool to 4 C	Nitroaromatics by SW-846 8330	N		
AB3008	PBOW-00-GW-TNTC-GW08-AB3008-(00-00)	10 OCT 2000	11:40	40 mL GVIAL,SEP	3	HCl<pH 2	TCL Volatiles by SW-846 8260B	N		
AB3008	PBOW-00-GW-TNTC-GW08-AB3008-(00-00)	10 OCT 2000	11:40	1 L Amb. Glass	2	None except cool to 4 C	TCL Semivolatiles by SW-846 8270C	N		
AB3008	PBOW-00-GW-TNTC-GW08-AB3008-(00-00)	10 OCT 2000	11:40	1 L HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010B/7470A in water	N		
AB3008	PBOW-00-GW-TNTC-GW08-AB3008-(00-00)	10 OCT 2000	11:40	1 L Amb. Glass	2	None except cool to 4 C	PCBs by SW-846 8082	N		

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10052

GPL Laboratories, LLLP

Figure 1
SAMPLE RECEIPT CHECKLIST

W.O. No: 10052

Client Name: IT-PLUMBROOK

Date Received: 10/11/00

Time Received: 10:05 am

Received By: Lyons

Carrier Name: Fed. Ex

Prepared (Logged In) By: Y / 10/11/00 (Initials / Date)

Project: PLUMBROOK

Site:

VOA Holding Blank I.D. No:

	YES	NO
Airbill/Manifest Present?	X	
No. 922780515097		
Shipping Container in Good Condition?	X	
Custody Seals Present on Shipping Container?	X	
Condition: Broken ____ Intact-not dated or signed ____ Intact-dated and signed X		
Usage of Tamper Evident Type	X	
Chain-of-Custody Present?	X	
Chain-of-Custody Agrees with Sample Labels?	X	
Chain-of-Custody Signed?	X	
Packing Present in Shipping Container? Type of Packing BAGS/BUBBLE WRAP	X	
Custody seals on Sample Bottles? Condition: Good ____ Broken ____		X
Total Number of Sample Bottles 61		
Total Number of Samples 9		
Samples Intact?	X	
Sufficient Sample Volume for Indicated Test?	X	

	YES	NO
Trip Blanks: No. of Sets 1	X	
Field Blanks: No. of Sets ____		X
Equip. Blank: No. of Sets ____		X
Field Duplicate: No. of Sets ____		X
MS/MSD: No of Sets ____		X
VOA Vials Have Zero Headspace?	X	
Preservatives Added to Sample?	X	
pH Check Required?	X	
Performed By? Lyons	X	
Ice Present in Shipping Container?	X	CLOSED

Container #	Temp.	Container #	Temp.
1	3.0		
2	3.0		
3	3.0		
4	3.0		

Project Manager Contacted?
Name: Lou
Date Contacted: 10/11/00

Any NO response must be detailed in the comments section below. If items are not applicable to particular samples or contracts, they should be marked N/A/

COMMENTS: Temp blanks used for trips. SHELBY TUBES RCVD FOR SAMPLES AB0432, AB0437, AB0438, AND AB0439 BUT ARE NOT ON C.O.C.

Checklist Completed By: Y

Date: 10/11/00

SOP No: F.2V10

11/17/00

Analytical Report For 10057

for

IT Corporation

Project Manager: Maureen McMyler

Project Name : Plumbrook Ordnance Works

November 14, 2000

GPL

Laboratories

Project Manager

Laboratory Director

202 Perry Parkway Gaithersburg, MD 20877 Phone (301) 926 6802 Fax: (301) 840) 1209
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TOTAL # OF PAGES : 92

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CASE NARRATIVE

CLIENT: IT CORPORATION
PROJECT/SITE: PLUMBROOK ORDNANCE WORKS
WORK ORDER(S): 10057
REVIEW DATE: 11/15/00

The Case Narrative, Chain of Custody, Sample Receipt Checklist, and the cover page of the Analytical Report, are integral parts of GPL Laboratories' report package. If you did not receive all of these documents, please contact GPL immediately.

Sample Receipt

Seven soils and four water samples were received on 10/12/2000. The samples were delivered by GPL courier. The samples were received intact. Sample receipt conditions and temperatures are documented on the Sample Receipt Checklist.

Sample Analysis

Samples were prepared and analyzed by GPL using the analytical methodologies indicated on the Analytical Report of Analysis.

Volatile Analysis

1. Seven soils and three water samples were analyzed for volatile organic using 8260B methodologies.

2. The matrix spike and matrix spike duplicate analyses for soil were shared with work order 10055. The matrix spike and matrix spike duplicate analyses for water were shared with work order 10037. Percent recovery of 1,1-dichloroethene and toluene was outside established QC limits in the MS analysis. Percent RPD of all compounds was outside QC limit as well.

3. Three laboratory control sample (LCS) reports were submitted with this package.

4. The lowest calibration level reported for methylene chloride, acetone, trans-1,3-dichloropropene, and bromoform in the initial calibration curve report, 86_25W15.M, was 2 ug/L.

5. Methylene chloride was present on BLK7378 at 8 ug/Kg.

Semivolatile Analysis

1. Seven soil and two water sample were extracted using methods 3550B and 3520C respectively. The samples were analyzed for semivolatile organic compounds using USEPA method 8270C.

2. Soil matrix spike analysis was performed on sample AB0443. Water matrix spike analysis was shared with work order #10052. One RPD and four analyte recoveries were out of QC limits for the water MS / MSD pair. This is attributed to the high level of 2,4-Dinitrotoluene and significant background interference observed in the native sample. A laboratory control spike was extracted and analyzed with each batch samples.

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Laboratories

CASE NARRATIVE

CLIENT: IT CORPORATION
PROJECT/SITE: PLUMBROOK ORDNANCE WORKS
WORK ORDER(S): 10057
REVIEW DATE: 11/15/00

3. BLK7375 showed a recovery for bis(2-Ethylhexyl)phthalate slightly above reporting limits. No corrective action was necessary as the compound was not detected in any of the sample extracted with this blank.

4. Due to the nature of their sample matrices, samples AB0445, AB0446, and AB0448 were analyzed at a 1:10 dilution. The modified sample ID's for these samples are: AB0445DL, AB0446DL, and AB0448DL.

5. Continuing calibration P09603 showed a %D for Phenol out of QC limits. Since this was not detected in the associated samples, no further analysis was conducted.

Pesticide/PCB/Herbicides

PCB

1. Two water and seven soil samples were extracted and analyzed for PCB compounds using method 8082.

2. Matrix spike and MSD analysis was performed on sample AA0481 for soil and shared with WO# 10052 sample AB3005 for water. Percent recovery for the soil MS/MSD AR1016 and AR1260 was outside QC limits due to matrix interference. Laboratory Control Sample was analyzed with each matrix.

3. Surrogate TCX was outside QC limits on RTX-CLP2 for BLK7374, BKS7374 and AA0481. Surrogate DCB was outside QC limits on both columns for the all diluted sample AA0481 DL. DCB was outside QC limits for samples AB0446 and AB0448 on RTX-CLP2.

4. Concentrations reported on Form I are the higher values of results generated by two columns. However, the analyst based on the evaluation of quality control parameters determines the most reliable results. Flagged concentrations (*) on Form I indicate that reported results are the lower values.

5. Due to software limitations, some forms were corrected manually.

Explosives/HPLC

1. Two water and seven soil samples were extracted and analyzed for explosive compounds using SW846 method 8330.

2. Matrix spike and matrix spike duplicate analyses were shared with GPL work-order 10059 for soil. Percent recovery in the MSD and the RPD for Nitrobenzene was slightly above the QC limits. All other target analyte recoveries were within control limits.

CASE NARRATIVE

CLIENT: IT CORPORATION
PROJECT/SITE: PLUMBROOK ORDNANCE WORKS
WORK ORDER(S): 10057
REVIEW DATE: 11/15/00

3. Matrix spike and matrix spike duplicate analyses were shared with GPL work-order 10021 for water. The RPD was slightly above the QC limit for 1,3,5-TNB and Tetryl. All other target analyte recoveries were within control limits.

4. A laboratory control sample was extracted and analyzed along with each sample matrix batch. All target analyte recoveries were within control limits.

5. Both water samples and three of the soil samples required diluted analyses for high levels of TNT.

6. Explosive compounds 2,4-DNT and 2,6-DNT co-elute on the primary column and the confirmation column. The mixture of 2,4-DNT and 2,6-DNT in the LCS and MS/MSD samples is quantitated and reported as 2,4-DNT. A peak detected in the retention time window of 2,4-DNT and 2,6-DNT on both columns will be reported as an isomeric pair in samples under the results for 2,4-DNT.

7. Manual integration was performed on some data files, when automatic integration provided by the software was inappropriate. Some forms were "hand" corrected due to software limitations.

Metals

1. Three water samples and seven soil samples were analyzed for HSL metals by EPA SW846 methodologies.

2. The soil and water samples were reported on separate forms.

3. A matrix spike, duplicate, and serial dilution were performed on water sample 0010016-014 for all required ICP analytes. The duplicate was outside of the control limits for arsenic. All associated data was flagged with an "*".

4. A matrix spike and duplicate were performed on samples AA3002, and AA3002 FILTERED for mercury. The matrix spike was outside of the control limits on sample AA3002 FILTERED. All associated data was flagged with an "N". The duplicate was outside of the control limits. All associated data was flagged with an "*".

5. A matrix spike, duplicate, and serial dilution were performed on soil sample AA0481 for all required ICP analytes. The matrix spike was outside of the control limits for antimony, potassium, magnesium, and selenium. All associated data was flagged with an "N". A post digestion analytical spike was performed with recoveries within 10% of the true value. No control limits were applied to the matrix spike for aluminum, calcium, iron, and lead due to an insignificant spike addition. The duplicate was outside of the control limits for calcium, lead, magnesium, and zinc. All associated data was flagged with an "*". The serial dilution was outside of the control limits for chromium. All associated data was flagged with an "E".

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CASE NARRATIVE

CLIENT: IT CORPORATION
PROJECT/SITE: PLUMBROOK ORDNANCE WORKS
WORK ORDER(S): 10057
REVIEW DATE: 11/15/00

6. A matrix spike and duplicate were performed on the batch soil sample 0010063-11 for mercury. The matrix spike was outside of the control limits. All associated data was flagged with an "N".

7. Calibration standards are verified against independent check standards purchased from a commercial vendor of environmental standards.

8. All GPL QA/QC criteria were met with the exceptions of those mentioned above.

Project Manager

Lab Director

GPL LABORATORIES, LLP
ANALYTICAL RESULTS

Project Name : Plumbrook Ordnance Works

Date Printe November 14, 2000

GPL ID	Client ID
10057-002-05-1	AA0480
10057-003-05-1	AA0481
10057-006-05-1	AB0443
10057-007-05-1	AB0444
10057-008-05-1	AB0445
10057-009-05-1	AB0446
10057-010-05-1	AB0448
10057-004-06-1	AA3002
10057-004-06-1	AA3002
10057-005-06-1	AA3005
10057-011-01-1	AA3002 FILTERED
10057-002-05-1	AA0480
10057-003-05-1	AA0481
10057-006-05-1	AB0443
10057-007-05-1	AB0444
10057-008-05-1	AB0445
10057-009-05-1	AB0446
10057-010-05-1	AB0448
10057-004-06-1	AA3002
10057-005-06-1	AA3005
10057-011-01-1	AA3002 FILTERED
10057-002-05-1	AA0480
10057-003-05-1	AA0481
10057-006-05-1	AB0443
10057-007-05-1	AB0444
10057-008-05-1	AB0445
10057-009-05-1	AB0446
10057-010-05-1	AB0448
10057-004-09-1/2	AA3002
10057-005-09-1/2	AA3005
10057-002-04-1	AA0480
10057-003-04-1	AA0481
10057-006-04-1	AB0443
10057-007-04-1	AB0444
10057-008-04-1	AB0445
10057-008-04-1	AB0445DL
10057-009-04-1	AB0446
10057-009-04-1	AB0446DL
10057-010-04-1	AB0448
10057-010-04-1	AB0448DL
10057-002-01-1/3	AA0480
10057-003-01-1/3	AA0481
10057-006-01-1/3	AB0443
10057-007-02-2/3	AB0444
10057-008-01-1/3	AB0445
10057-009-01-1/3	AB0446
10057-010-01-1/3	AB0448

GPL LABORATORIES, LLP
ANALYTICAL RESULTS

Project Name : Plumbrook Ordnance Works

Date Printe November 14, 2000

GPL ID	Client ID
10057-001-01-1/2	10112000-TB2
10057-004-01-1/3	AA3002
10057-005-01-1/3	AA3005
10057-004-04-1/2	AA3002
10057-005-04-1/2	AA3005
10057-002-04-1	AA0480
10057-003-04-1	AA0481
10057-006-04-1	AB0443
10057-007-04-1	AB0444
10057-008-04-1	AB0445
10057-008-04-1	AB0445DL
10057-009-04-1	AB0446
10057-009-04-1	AB0446DL
10057-010-04-1	AB0448
10057-010-04-1	AB0448DL
10057-002-04-1	AA0480
10057-002-04-1	AA0480
10057-003-04-1	AA0481
10057-004-07-1/2	AA3002
10057-004-07-1/2	AA3002
10057-005-07-1/2	AA3005
10057-005-07-1/2	AA3005
10057-006-04-1	AB0443
10057-007-04-1	AB0444
10057-008-04-1	AB0445
10057-008-04-1	AB0445DL
10057-008-04-1	AB0445
10057-008-04-1	AB0445DL
10057-009-04-1	AB0446
10057-009-04-1	AB0446DL
10057-009-04-1	AB0446
10057-009-04-1	AB0446DL
10057-010-04-1	AB0448
10057-010-04-1	AB0448DL
10057-010-04-1	AB0448
10057-010-04-1	AB0448DL

Summary of Analytical Results

Client ID AA0480	Prep Method:	Analytical Method: CLP_SOLIDS
GPL ID: 10057-002-05-1	Prep Date:	Date Analyzed: Oct-16-2000
Matrix: Soil	Prep Time:	Time Analyzed 11:05
Date Collected: Oct-11-2000	Prep Chemist:	Analyst: Roya Sabouri
Date Received: Oct-12-2000		

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Percent Solids	72.9	1	%		1

Summary of Analytical Results

Client ID AA0481	**Prep Method:**	**Analytical Method: CLP_SOLIDS**
GPL ID: 10057-003-05-1	**Prep Date:**	**Date Analyzed: Oct-16-2000**
Matrix: Soil	**Prep Time:**	**Time Analyzed 11:05**
Date Collected: Oct-11-2000	**Prep Chemist:**	**Analyst: Roya Sabouri**
Date Received: Oct-12-2000		

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Percent Solids	90.7	1	%		1

Summary of Analytical Results

Client ID AB0443
GPL ID: 10057-006-05-1
Matrix: Soil
Date Collected: Oct-11-2000
Date Received: Oct-12-2000

Prep Method:
Prep Date:
Prep Time:
Prep Chemist:

Analytical Method: CLP_SOLIDS
Date Analyzed: Oct-16-2000
Time Analyzed 11:05
Analyst: Roya Sabouri

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Percent Solids	89.6	1	%		1

Summary of Analytical Results

Client ID AB0444
GPL ID: 10057-007-05-1
Matrix: Soil
Date Collected: Oct-11-2000
Date Received: Oct-12-2000

Prep Method:
Prep Date:
Prep Time:
Prep Chemist:

Analytical Method: CLP_SOLIDS
Date Analyzed: Oct-16-2000
Time Analyzed 11:05
Analyst: Roya Sabouri

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Percent Solids	82.6	1	%		1

Summary of Analytical Results

Client ID AB0445
GPL ID: 10057-008-05-1
Matrix: Soil
Date Collected: Oct-11-2000
Date Received: Oct-12-2000

Prep Method:
Prep Date:
Prep Time:
Prep Chemist:

Analytical Method: CLP_SOLIDS
Date Analyzed: Oct-16-2000
Time Analyzed 11:05
Analyst: Roya Sabouri

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Percent Solids	81.4	1	%		1

Summary of Analytical Results

Client ID AB0446	**Prep Method:**	**Analytical Method: CLP_SOLIDS**
GPL ID: 10057-009-05-1	**Prep Date:**	**Date Analyzed: Oct-16-2000**
Matrix: Soil	**Prep Time:**	**Time Analyzed 11:05**
Date Collected: Oct-11-2000	**Prep Chemist:**	**Analyst: Roya Sabouri**
Date Received: Oct-12-2000		

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Percent Solids	88.0	1	%		1

Summary of Analytical Results

Client ID AB0448	**Prep Method:**	**Analytical Method: CLP_SOLIDS**
GPL ID: 10057-010-05-1	**Prep Date:**	**Date Analyzed: Oct-16-2000**
Matrix: Soil	**Prep Time:**	**Time Analyzed 11:05**
Date Collected: Oct-11-2000	**Prep Chemist:**	**Analyst: Roya Sabouri**
Date Received: Oct-12-2000		

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Percent Solids	86.6	1	%		1

Summary of Analytical Results

Client ID AA3002
GPL ID: 10057-004-06-1
Matrix: Water
Date Collected: Oct-11-2000
Date Received: Oct-12-2000

Prep Method: SW3010A
Prep Date: Nov-03-2000
Prep Time: 08:21
Prep Chemist: Teshome Tamitre

Analytical Method: SW6010B
Date Analyzed: Nov-05-2000
Time Analyzed 11:40
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Calcium	557000	500	ug/L		2

Summary of Analytical Results

Client ID AA3002
GPL ID: 10057-004-06-1
Matrix: Water
Date Collected: Oct-11-2000
Date Received: Oct-12-2000

Prep Method: SW3010A
Prep Date: Nov-03-2000
Prep Time: 08:21
Prep Chemist: Teshome Tamitre

Analytical Method: SW6010B
Date Analyzed: Nov-04-2000
Time Analyzed 20:44
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	26300	200	ug/L		1
Antimony	BQL	6	ug/L	U	1
Arsenic	30.6	5	ug/L		1
Barium	140	5	ug/L		1
Beryllium	1.98	1	ug/L		1
Cadmium	BQL	3	ug/L	U	1
Chromium	62.1	5	ug/L		1
Cobalt	25.8	5	ug/L		1
Copper	57.3	5	ug/L		1
Iron	67100	100	ug/L		1
Lead	63.7	3	ug/L		1
Magnesium	103000	250	ug/L		1
Manganese	1910	5	ug/L		1
Nickel	66.7	5	ug/L		1
Potassium	7150	250	ug/L		1
Selenium	BQL	5	ug/L	U	1
Silver	BQL	3	ug/L	U	1
Sodium	9680	1000	ug/L		1
Thallium	BQL	10	ug/L	U	1
Vanadium	86.8	5	ug/L		1
Zinc	237	15	ug/L		1

Summary of Analytical Results

Client ID AA3005
GPL ID: 10057-005-06-1
Matrix: Water
Date Collected: Oct-11-2000
Date Received: Oct-12-2000

Prep Method: SW3010A
Prep Date: Nov-03-2000
Prep Time: 08:21
Prep Chemist: Teshome Tamitre

Analytical Method: SW6010B
Date Analyzed: Nov-04-2000
Time Analyzed 20:51
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	34500	200	ug/L		1
Antimony	6.25	6	ug/L		1
Arsenic	21.0	5	ug/L		1
Barium	253	5	ug/L		1
Beryllium	2.26	1	ug/L		1
Cadmium	6.39	3	ug/L		1
Calcium	229000	500	ug/L		1
Chromium	65.3	5	ug/L		1
Cobalt	24.4	5	ug/L		1
Copper	253	5	ug/L		1
Iron	63800	100	ug/L		1
Lead	694	3	ug/L		1
Magnesium	34600	250	ug/L		1
Manganese	2080	5	ug/L		1
Nickel	68.6	5	ug/L		1
Potassium	15500	250	ug/L		1
Selenium	BQL	5	ug/L	U	1
Silver	BQL	3	ug/L	U	1
Sodium	67800	1000	ug/L		1
Thallium	BQL	10	ug/L	U	1
Vanadium	98.1	5	ug/L		1
Zinc	1830	15	ug/L		1

Summary of Analytical Results

Client ID AA3002 FILTERED
GPL ID: 10057-011-01-1
Matrix: Water
Date Collected: Oct-11-2000
Date Received: Oct-12-2000

Prep Method: SW3010A
Prep Date: Nov-03-2000
Prep Time: 08:21
Prep Chemist: Teshome Tamitre

Analytical Method: SW6010B
Date Analyzed: Nov-04-2000
Time Analyzed 21:14
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	29.3	200	ug/L	B	1
Antimony	BQL	6	ug/L	U	1
Arsenic	BQL	5	ug/L	U	1
Barium	25.3	5	ug/L		1
Beryllium	BQL	1	ug/L	U	1
Cadmium	BQL	3	ug/L	U	1
Calcium	204000	500	ug/L		1
Chromium	1.15	5	ug/L	B	1
Cobalt	BQL	5	ug/L	U	1
Copper	2.59	5	ug/L	B	1
Iron	94.6	100	ug/L	B	1
Lead	BQL	3	ug/L	U	1
Magnesium	25700	250	ug/L		1
Manganese	187	5	ug/L		1
Nickel	BQL	5	ug/L	U	1
Potassium	2350	250	ug/L		1
Selenium	BQL	5	ug/L	U	1
Silver	BQL	3	ug/L	U	1
Sodium	7480	1000	ug/L		1
Thallium	BQL	10	ug/L	U	1
Vanadium	BQL	5	ug/L	U	1
Zinc	BQL	15	ug/L	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AA0480
GPL ID: 10057-002-05-1
Matrix: Soil
Date Collected: Oct-11-2000
Date Received: Oct-12-2000

Prep Method: SW3050B
Prep Date: Oct-31-2000
Prep Time: 13:59
Prep Chemist: Rekha Patel

Analytical Method: SW6010B
Date Analyzed: Nov-14-2000
Time Analyzed 01:36
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	11700	54.3	mg/kg		2
Antimony	BQL	1.63	mg/kg	U	2
Arsenic	5.07	1.36	mg/kg		2
Barium	68.7	1.36	mg/kg		2
Beryllium	0.759	0.271	mg/kg		2
Cadmium	0.133	0.814	mg/kg	B	2
Calcium	7120	136	mg/kg		2
Chromium	19.3	1.36	mg/kg		2
Cobalt	11.1	1.36	mg/kg		2
Copper	9.23	1.36	mg/kg		2
Iron	19700	27.1	mg/kg		2
Lead	11.1	0.814	mg/kg		2
Magnesium	3040	67.9	mg/kg		2
Manganese	423	1.36	mg/kg		2
Nickel	26.8	1.36	mg/kg		2
Potassium	1960	67.9	mg/kg		2
Selenium	1.00	1.36	mg/kg	B	2
Silver	BQL	0.814	mg/kg	U	2
Sodium	201	271	mg/kg	B	2
Thallium	BQL	2.71	mg/kg	U	2
Vanadium	22.4	1.36	mg/kg		2
Zinc	47.2	4.07	mg/kg		2

Summary of Analytical Results

Client ID AA0481
GPL ID: 10057-003-05-1
Matrix: Soil
Date Collected: Oct-11-2000
Date Received: Oct-12-2000

Prep Method: SW3050B
Prep Date: Oct-31-2000
Prep Time: 13:59
Prep Chemist: Rekha Patel

Analytical Method: SW6010B
Date Analyzed: Nov-14-2000
Time Analyzed 01:43
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	5000	43.7	mg/kg		2
Antimony	1.02	1.31	mg/kg	B	2
Arsenic	4.95	1.09	mg/kg		2
Barium	29.8	1.09	mg/kg		2
Beryllium	0.344	0.218	mg/kg		2
Cadmium	0.719	0.655	mg/kg		2
Calcium	4610	109	mg/kg		2
Chromium	8.09	1.09	mg/kg		2
Cobalt	2.87	1.09	mg/kg		2
Copper	10.2	1.09	mg/kg		2
Iron	11000	21.8	mg/kg		2
Lead	254	0.655	mg/kg		2
Magnesium	1350	54.6	mg/kg		2
Manganese	240	1.09	mg/kg		2
Nickel	8.88	1.09	mg/kg		2
Potassium	393	54.6	mg/kg		2
Selenium	BQL	1.09	mg/kg	U	2
Silver	BQL	0.655	mg/kg	U	2
Sodium	181	218	mg/kg	B	2
Thallium	BQL	2.18	mg/kg	U	2
Vanadium	13.8	1.09	mg/kg		2
Zinc	178	3.28	mg/kg		2

Summary of Analytical Results

Client ID AB0443
GPL ID: 10057-006-05-1
Matrix: Soil
Date Collected: Oct-11-2000
Date Received: Oct-12-2000

Prep Method: SW3050B
Prep Date: Oct-31-2000
Prep Time: 13:59
Prep Chemist: Rekha Patel

Analytical Method: SW6010B
Date Analyzed: Nov-14-2000
Time Analyzed 02:30
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	4110	44.7	mg/kg		2
Antimony	0.780	1.34	mg/kg	B	2
Arsenic	3.63	1.12	mg/kg		2
Barium	42.8	1.12	mg/kg		2
Beryllium	0.274	0.223	mg/kg		2
Cadmium	0.191	0.67	mg/kg	B	2
Calcium	2590	112	mg/kg		2
Chromium	5.92	1.12	mg/kg		2
Cobalt	2.61	1.12	mg/kg		2
Copper	5.09	1.12	mg/kg		2
Iron	8480	22.3	mg/kg		2
Lead	8.07	0.67	mg/kg		2
Magnesium	1170	55.8	mg/kg		2
Manganese	388	1.12	mg/kg		2
Nickel	6.73	1.12	mg/kg		2
Potassium	339	55.8	mg/kg		2
Selenium	BQL	1.12	mg/kg	U	2
Silver	BQL	0.67	mg/kg	U	2
Sodium	170	223	mg/kg	B	2
Thallium	BQL	2.23	mg/kg	U	2
Vanadium	11.9	1.12	mg/kg		2
Zinc	45.8	3.35	mg/kg		2

Summary of Analytical Results

Client ID AB0444
GPL ID: 10057-007-05-1
Matrix: Soil
Date Collected: Oct-11-2000
Date Received: Oct-12-2000

Prep Method: SW3050B
Prep Date: Oct-31-2000
Prep Time: 13:59
Prep Chemist: Rekha Patel

Analytical Method: SW6010B
Date Analyzed: Nov-14-2000
Time Analyzed 02:37
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	7340	46.6	mg/kg		2
Antimony	BQL	1.4	mg/kg	U	2
Arsenic	5.58	1.17	mg/kg		2
Barium	50.3	1.17	mg/kg		2
Beryllium	0.482	0.233	mg/kg		2
Cadmium	0.693	0.699	mg/kg	B	2
Calcium	25000	116	mg/kg		2
Chromium	13.1	1.17	mg/kg		2
Cobalt	6.25	1.17	mg/kg		2
Copper	9.90	1.17	mg/kg		2
Iron	20600	23.3	mg/kg		2
Lead	20.1	0.699	mg/kg		2
Magnesium	2130	58.2	mg/kg		2
Manganese	562	1.17	mg/kg		2
Nickel	18.8	1.17	mg/kg		2
Potassium	1140	58.2	mg/kg		2
Selenium	1.11	1.17	mg/kg	B	2
Silver	BQL	0.699	mg/kg	U	2
Sodium	185	233	mg/kg	B	2
Thallium	BQL	2.33	mg/kg	U	2
Vanadium	21.9	1.17	mg/kg		2
Zinc	204	3.49	mg/kg		2

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB0445
GPL ID: 10057-008-05-1
Matrix: Soil
Date Collected: Oct-11-2000
Date Received: Oct-12-2000

Prep Method: SW3050B
Prep Date: Oct-31-2000
Prep Time: 13:59
Prep Chemist: Rekha Patel

Analytical Method: SW6010B
Date Analyzed: Nov-14-2000
Time Analyzed 02:44
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	5580	48.1	mg/kg		2
Antimony	BQL	1.44	mg/kg	U	2
Arsenic	7.12	1.2	mg/kg		2
Barium	89.8	1.2	mg/kg		2
Beryllium	0.394	0.241	mg/kg		2
Cadmium	2.19	0.722	mg/kg		2
Calcium	45900	120	mg/kg		2
Chromium	16.2	1.2	mg/kg		2
Cobalt	4.36	1.2	mg/kg		2
Copper	52.2	1.2	mg/kg		2
Iron	21400	24.1	mg/kg		2
Lead	934	0.722	mg/kg		2
Magnesium	4660	60.2	mg/kg		2
Manganese	614	1.2	mg/kg		2
Nickel	22.1	1.2	mg/kg		2
Potassium	878	60.2	mg/kg		2
Selenium	0.948	1.2	mg/kg	B	2
Silver	BQL	0.722	mg/kg	U	2
Sodium	403	241	mg/kg		2
Thallium	BQL	2.41	mg/kg	U	2
Vanadium	28.8	1.2	mg/kg		2
Zinc	708	3.61	mg/kg		2

Summary of Analytical Results

Client ID AB0446
GPL ID: 10057-009-05-1
Matrix: Soil
Date Collected: Oct-11-2000
Date Received: Oct-12-2000

Prep Method: SW3050B
Prep Date: Oct-31-2000
Prep Time: 13:59
Prep Chemist: Rekha Patel

Analytical Method: SW6010B
Date Analyzed: Nov-14-2000
Time Analyzed 02:51
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	2820	43.7	mg/kg		2
Antimony	BQL	1.31	mg/kg	U	2
Arsenic	2.58	1.09	mg/kg		2
Barium	398	1.09	mg/kg		2
Beryllium	0.205	0.219	mg/kg	B	2
Cadmium	0.913	0.656	mg/kg		2
Calcium	46800	109	mg/kg		2
Chromium	202	1.09	mg/kg		2
Cobalt	3.69	1.09	mg/kg		2
Copper	16.4	1.09	mg/kg		2
Iron	8120	21.9	mg/kg		2
Lead	228	0.656	mg/kg		2
Magnesium	5360	54.7	mg/kg		2
Manganese	374	1.09	mg/kg		2
Nickel	90.8	1.09	mg/kg		2
Potassium	492	54.7	mg/kg		2
Selenium	BQL	1.09	mg/kg	U	2
Silver	BQL	0.656	mg/kg	U	2
Sodium	146	219	mg/kg	B	2
Thallium	BQL	2.19	mg/kg	U	2
Vanadium	19.9	1.09	mg/kg		2
Zinc	170	3.28	mg/kg		2

Summary of Analytical Results

Client ID AB0448	Prep Method: SW3050B	Analytical Method: SW6010B
GPL ID: 10057-010-05-1	Prep Date: Oct-31-2000	Date Analyzed: Nov-14-2000
Matrix: Soil	Prep Time: 13:59	Time Analyzed 02:58
Date Collected: Oct-11-2000	Prep Chemist: Rekha Patel	Analyst: Simina Lal
Date Received: Oct-12-2000		

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	5570	44	mg/kg		2
Antimony	BQL	1.32	mg/kg	U	2
Arsenic	9.38	1.1	mg/kg		2
Barium	81.6	1.1	mg/kg		2
Beryllium	0.460	0.22	mg/kg		2
Cadmium	1.19	0.66	mg/kg		2
Calcium	24000	110	mg/kg		2
Chromium	9.87	1.1	mg/kg		2
Cobalt	4.50	1.1	mg/kg		2
Copper	14.2	1.1	mg/kg		2
Iron	28800	22	mg/kg		2
Lead	58.1	0.66	mg/kg		2
Magnesium	5900	55	mg/kg		2
Manganese	1400	1.1	mg/kg		2
Nickel	15.4	1.1	mg/kg		2
Potassium	506	55	mg/kg		2
Selenium	BQL	1.1	mg/kg	U	2
Silver	0.455	0.66	mg/kg	B	2
Sodium	228	220	mg/kg		2
Thallium	BQL	2.2	mg/kg	U	2
Vanadium	17.3	1.1	mg/kg		2
Zinc	359	3.3	mg/kg		2

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AA3002	Prep Method: SW7470A_DIG	Analytical Method: SW7470A
GPL ID: 10057-004-06-1	Prep Date: Oct-23-2000	Date Analyzed: Oct-24-2000
Matrix: Water	Prep Time: 14:00	Time Analyzed 12:04
Date Collected: Oct-11-2000	Prep Chemist: Kelvin Choi	Analyst: Kelvin Choi
Date Received: Oct-12-2000		

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	BQL	0.2	ug/L	U	1

Summary of Analytical Results

Client ID AA3005
GPL ID: 10057-005-06-1
Matrix: Water
Date Collected: Oct-11-2000
Date Received: Oct-12-2000

Prep Method: SW7470A_DIG
Prep Date: Oct-23-2000
Prep Time: 14:00
Prep Chemist: Kelvin Choi

Analytical Method: SW7470A
Date Analyzed: Oct-24-2000
Time Analyzed 12:12
Analyst: Kelvin Choi

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	1.86	0.2	ug/L		1

Summary of Analytical Results

Client ID AA3002 FILTERED
GPL ID: 10057-011-01-1
Matrix: Water
Date Collected: Oct-11-2000
Date Received: Oct-12-2000

Prep Method: SW7470A_DIG
Prep Date: Oct-23-2000
Prep Time: 14:00
Prep Chemist: Kelvin Choi

Analytical Method: SW7470A
Date Analyzed: Oct-24-2000
Time Analyzed 12:14
Analyst: Kelvin Choi

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	BQL	0.2	ug/L	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AA0480	**Prep Method: SW7471_DIG**	**Analytical Method: SW7471A**
GPL ID: 10057-002-05-1	**Prep Date: Oct-18-2000**	**Date Analyzed: Oct-19-2000**
Matrix: Soil	**Prep Time: 14:00**	**Time Analyzed 11:59**
Date Collected: Oct-11-2000	**Prep Chemist: Kelvin Choi**	**Analyst: Kelvin Choi**
Date Received: Oct-12-2000		

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	0.078	0.044	mg/kg		1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AA0481	**Prep Method: SW7471_DIG**	**Analytical Method: SW7471A**
GPL ID: 10057-003-05-1	**Prep Date: Oct-18-2000**	**Date Analyzed: Oct-19-2000**
Matrix: Soil	**Prep Time: 14:00**	**Time Analyzed 12:01**
Date Collected: Oct-11-2000	**Prep Chemist: Kelvin Choi**	**Analyst: Kelvin Choi**
Date Received: Oct-12-2000		

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	0.042	0.035	mg/kg		1

Summary of Analytical Results

Client ID AB0443	Prep Method: SW7471_DIG	Analytical Method: SW7471A
GPL ID: 10057-006-05-1	Prep Date: Oct-18-2000	Date Analyzed: Oct-19-2000
Matrix: Soil	Prep Time: 14:00	Time Analyzed 12:04
Date Collected: Oct-11-2000	Prep Chemist: Kelvin Choi	Analyst: Kelvin Choi
Date Received: Oct-12-2000		

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	BQL	0.037	mg/kg	U	1

Summary of Analytical Results

Client ID AB0444	Prep Method: SW7471_DIG	Analytical Method: SW7471A
GPL ID: 10057-007-05-1	Prep Date: Oct-18-2000	Date Analyzed: Oct-19-2000
Matrix: Soil	Prep Time: 14:00	Time Analyzed 12:06
Date Collected: Oct-11-2000	Prep Chemist: Kelvin Choi	Analyst: Kelvin Choi
Date Received: Oct-12-2000		

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	0.030	0.04	mg/kg	B	1

Summary of Analytical Results

Client ID AB0445	Prep Method: SW7471_DIG	Analytical Method: SW7471A
GPL ID: 10057-008-05-1	Prep Date: Oct-18-2000	Date Analyzed: Oct-19-2000
Matrix: Soil	Prep Time: 14:00	Time Analyzed 12:09
Date Collected: Oct-11-2000	Prep Chemist: Kelvin Choi	Analyst: Kelvin Choi
Date Received: Oct-12-2000		

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	0.107	0.04	mg/kg		1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB0446
GPL ID: 10057-009-05-1
Matrix: Soil
Date Collected: Oct-11-2000
Date Received: Oct-12-2000

Prep Method: SW7471_DIG
Prep Date: Oct-18-2000
Prep Time: 14:00
Prep Chemist: Kelvin Choi

Analytical Method: SW7471A
Date Analyzed: Oct-19-2000
Time Analyzed 12:12
Analyst: Kelvin Choi

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	0.085	0.037	mg/kg		1

Summary of Analytical Results

Client ID AB0448	Prep Method: SW7471_DIG	Analytical Method: SW7471A
GPL ID: 10057-010-05-1	Prep Date: Oct-18-2000	Date Analyzed: Oct-19-2000
Matrix: Soil	Prep Time: 14:00	Time Analyzed 12:20
Date Collected: Oct-11-2000	Prep Chemist: Kelvin Choi	Analyst: Kelvin Choi
Date Received: Oct-12-2000		

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	0.043	0.035	mg/kg		1

TOTAL METALS

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BLANKS

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 10057S

Preparation Blank Matrix (soil/water): SOIL

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Aluminum	55.2	U	55.2	U	55.2	U	55.2	U	11.099	B	P
Antimony	3.9	B	2.7	U	3.7	B	2.7	U	0.957	B	P
Arsenic	4.0	U	4.0	U	4.0	U	4.0	U	0.800	U	P
Barium	0.5	U	0.5	U	0.5	U	0.5	U	0.153	B	P
Beryllium	0.1	U	0.1	U	0.1	U	0.1	U	0.020	U	P
Cadmium	0.4	U	0.4	U	0.4	U	0.4	U	0.101	B	P
Calcium	140.0	U	140.0	U	140.0	U	140.0	U	28.000	U	P
Chromium	0.7	B	0.6	U	0.6	U	0.6	U	0.172	B	P
Cobalt	1.3	U	1.3	U	1.3	U	1.3	U	0.260	U	P
Copper	1.0	U	1.0	U	1.0	U	1.0	U	0.289	B	P
Iron	17.7	U	17.7	U	17.7	U	23.8	B	7.717	B	P
Lead	1.3	U	1.3	U	1.3	U	1.3	U	0.260	U	P
Magnesium	6.0	U	15.7	B	16.2	B	47.7	B	4.699	B	P
Manganese	0.2	U	0.2	U	0.2	U	0.3	B	0.180	B	P
Mercury	0.1	U	0.1	U	0.1	U	0.1	U	0.017	U	CV
Nickel	1.2	B	1.0	U	1.0	U	1.0	U	0.200	U	P
Potassium	11.9	U	11.9	U	11.9	U	11.9	U	9.367	B	P
Selenium	3.3	U	3.3	U	3.3	U	3.3	U	0.660	U	P
Silver	1.8	U	1.8	U	1.8	U	1.8	U	0.360	U	P
Sodium	250.0	U	250.0	U	250.0	U	250.0	U	76.095	B	P
Thallium	5.0	U	5.0	U	5.0	U	5.0	U	1.000	U	P
Vanadium	1.1	U	1.1	U	1.1	U	1.1	U	0.220	U	P
Zinc	4.2	U	4.2	U	4.2	U	4.2	U	0.840	U	P

TOTAL METALS

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BLANKS

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 10057S

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Aluminum			55.2	U	55.2	U	55.2	U			P
Antimony			2.7	U	2.7	U	2.7	U			P
Arsenic			4.0	U	4.0	U	4.0	U			P
Barium			0.5	U	0.5	U	0.5	U			P
Beryllium			0.1	U	0.1	U	0.1	U			P
Cadmium			0.4	U	0.4	U	0.4	U			P
Calcium			140.0	U	140.0	U	140.0	U			P
Chromium			0.6	U	0.6	U	0.6	U			P
Cobalt			1.3	U	1.3	U	1.3	U			P
Copper			1.0	U	1.0	U	1.0	U			P
Iron			17.7	U	17.7	U	19.5	B			P
Lead			1.3	U	1.3	U	1.3	U			P
Magnesium			16.2	B	19.5	B	29.5	B			P
Manganese			0.2	U	0.3	B	0.2	U			P
Mercury			0.1	U	0.1	U	0.1	U			CV
Nickel			1.0	U	1.0	U	1.0	U			P
Potassium			11.9	U	11.9	U	11.9	U			P
Selenium			3.3	U	3.4	B	3.3	U			P
Silver			1.8	U	1.8	U	1.8	U			P
Sodium			250.0	U	250.0	U	250.0	U			P
Thallium			5.0	U	5.0	U	5.0	U			P
Vanadium			1.1	U	1.1	U	1.1	U			P
Zinc			4.2	U	4.2	U	4.2	U			P

TOTAL METALS

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BLANKS

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 10057S

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Aluminum			55.2	U	55.2	U	55.2	U			P
Antimony			2.7	U	2.7	U	2.7	U			P
Arsenic			4.0	U	4.0	U	4.0	U			P
Barium			0.5	U	0.5	U	0.5	U			P
Beryllium			0.1	U	0.1	U	0.1	U			P
Cadmium			0.4	U	0.4	U	0.4	U			P
Calcium			140.0	U	140.0	U	140.0	U			P
Chromium			0.6	U	0.6	U	0.6	B			P
Cobalt			1.3	U	1.3	U	1.3	U			P
Copper			1.0	U	1.0	U	1.0	U			P
Iron			17.7	U	19.6	B	18.1	B			P
Lead			1.3	U	1.3	U	1.3	U			P
Magnesium			21.3	B	53.1	B	32.2	B			P
Manganese			0.2	U	0.2	U	0.2	B			P
Nickel			1.0	U	1.0	U	1.0	U			P
Potassium			21.6	B	11.9	U	11.9	U			P
Selenium			3.3	U	3.3	U	3.3	U			P
Silver			1.8	U	1.8	U	1.8	U			P
Sodium			255.7	B	250.0	U	250.0	U			P
Thallium			5.0	U	5.0	U	5.0	U			P
Vanadium			1.1	U	1.1	U	1.1	U			P
Zinc			4.2	U	4.2	U	4.2	U			P

TOTAL METALS

-3-

BLANKS

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 10057S

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Aluminum			55.2	U	55.2	U					P
Antimony			2.7	U	2.7	U					P
Arsenic			4.0	U	4.0	U					P
Barium			0.5	U	0.5	U					P
Beryllium			0.1	U	0.1	U					P
Cadmium			0.4	U	0.4	U					P
Calcium			140.0	U	140.0	U					P
Chromium			0.6	U	0.6	U					P
Cobalt			1.3	U	1.3	U					P
Copper			1.0	U	1.0	U					P
Iron			30.7	B	18.4	B					P
Lead			1.5	B	1.3	U					P
Magnesium			33.6	B	21.0	B					P
Manganese			0.2	U	0.4	B					P
Nickel			1.0	U	1.0	U					P
Potassium			11.9	U	11.9	U					P
Selenium			3.6	B	4.9	B					P
Silver			1.8	U	1.8	U					P
Sodium			250.0	U	250.0	U					P
Thallium			5.0	U	-5.3	B					P
Vanadium			1.1	U	1.1	U					P
Zinc			4.2	U	4.2	U					P

TOTAL METALS
-5A-
SPIKE SAMPLE RECOVERY

SAMPLE NO.

0010063-11S

Contract:

Lab Code: Case No.: SAS SDG NO.: 10057S

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 88.3

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

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Mercury	75 - 125	0.7962		0.0858		0.54	131.6	N	CV

Comments:

GPL Laboratories, LLLP

TOTAL METALS
-5A-
SPIKE SAMPLE RECOVERY

SAMPLE NO.

AA0481S

Contract:

Lab Code: Case No.: SAS SDG NO.: 10057S

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 90.7

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

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum		6381.3461		4997.9230		441.01	313.7		P
Antimony	75 - 125	10.8233		1.0157	B	22.05	44.5	N	P
Arsenic	75 - 125	12.7025		4.9523		8.82	87.9		P
Barium	75 - 125	466.8304		29.7598		441.01	99.1		P
Beryllium	75 - 125	11.7368		0.3440		11.03	103.3		P
Cadmium	75 - 125	11.6982		0.7192		11.03	99.5		P
Calcium		39064.9356		4605.0362		1102.54	3125.5		P
Chromium	75 - 125	54.2698		8.0916		44.10	104.7		P
Cobalt	75 - 125	112.6271		2.8697		110.25	99.6		P
Copper	75 - 125	71.7628		10.2291		55.13	111.6		P
Iron		11055.4085		11004.5503		220.51	23.1		P
Lead		241.9818		253.6455		4.41	-264.5		P
Magnesium	75 - 125	3545.9427		1347.6174		1102.54	199.4	N	P
Manganese	75 - 125	335.2187		239.9600		110.25	86.4		P
Nickel	75 - 125	120.0567		8.8811		110.25	100.8		P
Potassium	75 - 125	713.8042		393.1174		220.51	145.4	N	P
Selenium	75 - 125	3.2357		0.7205	U	2.21	146.7	N	P
Silver	75 - 125	11.1845		0.3930	U	11.03	101.4		P
Sodium	75 - 125	1314.0818		180.5252	B	1102.54	102.8		P
Thallium	75 - 125	9.8658		1.0916	U	11.03	89.5		P
Vanadium	75 - 125	127.6549		13.7732		110.25	103.3		P
Zinc	75 - 125	294.2960		178.2874		110.25	105.2		P

Comments:

TOTAL METALS

-6-

DUPLICATES

SAMPLE NO.

0010063-11D

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 10057S

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 88.3 % Solids for Duplicate: 88.3

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

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Mercury	0.0	0.0858		0.1015		16.7		CV

5025

TOTAL METALS

-6-

DUPLICATES

SAMPLE NO.

AA0481D

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 10057S

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 90.7 % Solids for Duplicate: 90.7

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

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum		4997.9230		4626.1736		7.7		P
Antimony		1.0157	B	0.5895	U	200.0		P
Arsenic	1.1	4.9523		4.0039		21.2		P
Barium		29.7598		25.3819		15.9		P
Beryllium	0.2	0.3440		0.3352		2.6		P
Cadmium	0.7	0.7192		0.5860	B	20.4		P
Calcium		4605.0362		66230.8822		174.0	*	P
Chromium		8.0916		7.1533		12.3		P
Cobalt	1.1	2.8697		2.5242		12.8		P
Copper		10.2291		8.9646		13.2		P
Iron		11004.5503		9174.5624		18.1		P
Lead		253.6455		133.4207		62.1	*	P
Magnesium		1347.6174		5887.1155		125.5	*	P
Manganese		239.9600		216.2303		10.4		P
Nickel		8.8811		7.7849		13.2		P
Potassium		393.1174		423.0345		7.3		P
Selenium		0.7205	U	0.7205	U			P
Silver		0.3930	U	0.3930	U			P
Sodium		180.5252	B	191.4187	B	5.9		P
Thallium		1.0916	U	1.0916	U			P
Vanadium		13.7732		12.3336		11.0		P
Zinc		178.2874		131.1646		30.5	*	P

TOTAL METALS
-7-
LABORATORY CONTROL SAMPLE

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 10057S

Solid LCS Source: ERA 245/HIGH PURITY

Aqueous LCS Source:

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Aluminum				8830.0	8595.4		3780.0	13900.0	97.3
Antimony				68.9	36.2		18.8	119.0	52.6
Arsenic				136.0	129.2		101.0	171.0	95.0
Barium				124.0	127.0		95.3	152.0	102.4
Beryllium				95.3	92.0		74.7	116.0	96.5
Cadmium				118.0	115.5		90.4	145.0	97.9
Calcium				11500.0	11242.2		8590.0	14400.0	97.8
Chromium				89.3	86.5		71.3	107.0	96.8
Cobalt				110.0	109.8		87.2	132.0	99.8
Copper				117.0	117.3		95.7	138.0	100.2
Iron				13700.0	12625.9		8340.0	19100.0	92.2
Lead				138.0	136.0		105.0	170.0	98.6
Magnesium				3040.0	2887.9		2150.0	3930.0	95.0
Manganese				341.0	318.4		272.0	409.0	93.4
Mercury				0.5	0.5		0.4	0.6	103.0
Nickel				156.0	156.1		122.0	190.0	100.0
Potassium				3430.0	3237.2		2670.0	4190.0	94.4
Selenium				87.6	87.4		64.9	110.0	99.7
Silver				119.0	116.3		88.8	150.0	97.7
Sodium				853.0	821.1		578.0	1130.0	96.3
Thallium				139.0	136.5		79.6	199.0	98.2
Vanadium				79.1	77.7		54.0	104.0	98.2
Zinc				66.0	58.9		42.9	89.1	89.2

TOTAL METALS

-3-

BLANKS

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 10057W

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Aluminum	32.0	B	32.1	B	40.3	B	26.8	B	23.100	U	P
Antimony	3.7	U	4.0	B	3.7	U	3.7	U	3.700	U	P
Arsenic	3.2	U	3.2	U	3.2	U	3.2	U	3.200	U	P
Barium	0.6	U	0.6	U	0.6	U	0.6	U	0.600	U	P
Beryllium	0.1	B	0.1	B	0.1	U	0.1	U	0.100	U	P
Cadmium	0.4	U	0.4	U	0.4	U	0.4	U	0.400	U	P
Calcium	104.0	U	104.0	U	104.0	U	104.0	U	104.000	U	P
Chromium	0.8	U	0.8	U	0.8	U	0.8	U	0.800	U	P
Cobalt	0.9	U	0.9	U	0.9	U	0.9	U	0.900	U	P
Copper	1.2	U	1.2	U	1.2	U	1.2	U	1.200	U	P
Iron	20.3	B	21.3	B	26.6	B	18.0	B	16.019	B	P
Lead	1.5	U	1.5	U	1.5	U	1.5	U	1.500	U	P
Magnesium	22.4	U	24.5	B	29.3	B	32.5	B	25.524	B	P
Manganese	0.4	U	0.4	U	0.4	U	0.4	U	0.400	U	P
Mercury	0.1	U	0.1	U	0.1	U	0.1	U	0.100	U	CV
Nickel	2.0	U	2.0	U	2.0	U	2.0	U	2.000	U	P
Potassium	9.1	U	14.8	B	9.1	U	9.1	U	9.275	B	P
Selenium	2.3	U	2.5	B	2.3	U	3.6	B	2.300	U	P
Silver	0.7	U	0.7	U	0.7	U	-1.0	B	0.700	U	P
Sodium	198.0	U	227.2	B	198.0	U	198.0	U	198.000	U	P
Thallium	5.5	U	5.5	U	5.5	U	5.5	U	5.500	U	P
Vanadium	0.9	U	0.9	U	0.9	U	-1.0	B	0.900	U	P
Zinc	4.0	U	4.0	U	4.0	U	4.0	U	4.000	U	P

TOTAL METALS

-3-

BLANKS

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 10057W

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Aluminum			23.1	U	23.1	U	23.1	U			P
Antimony			3.7	U	3.7	U	3.7	U			P
Arsenic			3.2	U	3.2	U	3.2	U			P
Barium			0.6	U	0.6	U	0.6	U			P
Beryllium			0.1	U	0.1	U	0.1	U			P
Cadmium			0.4	U	0.4	U	0.4	U			P
Calcium			104.0	U	104.0	U	104.0	U			P
Chromium			0.8	U	0.8	U	0.8	U			P
Cobalt			0.9	U	0.9	U	0.9	U			P
Copper			1.2	U	1.2	U	-1.2	B			P
Iron			21.3	B	19.8	B	15.0	U			P
Lead			1.5	U	1.5	U	1.5	U			P
Magnesium			22.4	U	22.4	U	22.4	U			P
Manganese			0.4	U	0.4	U	0.4	U			P
Mercury			-0.1	B	-0.1	B	-0.1	B			CV
Nickel			2.0	U	2.0	U	2.0	U			P
Potassium			10.4	B	9.1	U	9.1	U			P
Selenium			2.3	B	2.3	U	2.3	U			P
Silver			0.7	U	0.7	U	0.7	U			P
Sodium			198.0	U	198.0	U	198.0	U			P
Thallium			5.5	U	5.5	U	5.5	U			P
Vanadium			0.9	U	0.9	U	-1.0	B			P
Zinc			4.0	U	4.0	U	4.0	U			P

TOTAL METALS

-3-

BLANKS

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 10057W

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Aluminum			33.5	B							P
Antimony			4.2	B							P
Arsenic			3.2	U							P
Barium			0.6	U							P
Beryllium			0.1	U							P
Cadmium			0.4	U							P
Calcium			104.0	U							P
Chromium			0.8	U							P
Cobalt			0.9	U							P
Copper			1.2	U							P
Iron			20.8	B							P
Lead			1.5	U							P
Magnesium			47.9	B							P
Manganese			0.4	U							P
Nickel			2.0	U							P
Potassium			9.1	U							P
Selenium			2.3	U							P
Silver			0.7	U							P
Sodium			198.0	U							P
Thallium			5.5	U							P
Vanadium			0.9	U							P
Zinc			4.0	U							P

TOTAL METALS

-3-

BLANKS

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 10057W

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Calcium	104.0	U	104.0	U	104.0	U	104.0	U			P

TOTAL METALS
-5A-
SPIKE SAMPLE RECOVERY

SAMPLE NO.

10016-014-07-1S

Contract:

Lab Code: Case No.: SAS SDG NO.: 10057W

Matrix (soil/water): WATER Level (low/med): LOW

% Solids for Sample: 0.0

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

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum	75 - 125	2093.5544		41.6487	B	2000.00	102.6		P
Antimony	75 - 125	101.4350		3.7000	U	100.00	101.4		P
Arsenic	75 - 125	39.1311		3.2000	U	40.00	97.8		P
Barium	75 - 125	2096.9795		57.5852		2000.00	102.0		P
Beryllium	75 - 125	52.0939		0.1000	U	50.00	104.2		P
Cadmium	75 - 125	50.5918		0.4000	U	50.00	101.2		P
Calcium		78786.5781		73207.5859		5000.00	111.6		P
Chromium	75 - 125	206.4712		0.8000	U	200.00	103.2		P
Cobalt	75 - 125	504.8947		1.7970	B	500.00	100.6		P
Copper	75 - 125	259.6539		2.7253	B	250.00	102.8		P
Iron	75 - 125	1125.0042		136.6116		1000.00	98.8		P
Lead	75 - 125	21.1290		1.5000	U	20.00	105.6		P
Magnesium	75 - 125	22178.1523		17023.4219		5000.00	103.1		P
Manganese	75 - 125	952.1090		438.0971		500.00	102.8		P
Nickel	75 - 125	510.4955		2.0000	U	500.00	102.1		P
Potassium	75 - 125	2159.0491		1095.9722		1000.00	106.3		P
Selenium	75 - 125	60.2860		2.3000	U	60.00	100.5		P
Silver	75 - 125	51.1713		0.8103	B	50.00	100.7		P
Sodium	75 - 125	14764.5859		9698.5176		5000.00	101.3		P
Thallium	75 - 125	47.7728		5.5000	U	50.00	95.5		P
Vanadium	75 - 125	514.7593		0.9000	U	500.00	103.0		P
Zinc	75 - 125	659.5112		150.2780		500.00	101.8		P

Comments:

TOTAL METALS
-5A-
SPIKE SAMPLE RECOVERY

SAMPLE NO.

AA3002S

Contract:

Lab Code: Case No.: SAS SDG NO.: 10057W

Matrix (soil/water): WATER Level (low/med): LOW

% Solids for Sample: 0.0

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

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Mercury	75 - 125	1.1300		0.1000	U	1.00	113.0		CV

Comments:

TOTAL METALS
-5A-
SPIKE SAMPLE RECOVERY

SAMPLE NO.

AA3002 FILTEREDS

Contract:

Lab Code: Case No.: SAS SDG NO.: 10057W

Matrix (soil/water): WATER Level (low/med): LOW

% Solids for Sample: 0.0

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

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Mercury	75 - 125	1.3500		0.1000	U	1.00	135.0	N	CV

Comments:

TOTAL METALS

-6-

DUPLICATES

SAMPLE NO.

10016-014-07-1D

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 10057W

Matrix (soil/water): WATER Level (low/med): LOW

% Solids for Sample: 0.0 % Solids for Duplicate:

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

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum		41.6487	B	28.8769	B	36.2		P
Antimony		3.7000	U	3.7000	U			P
Arsenic	5.0	3.2000	U	5.0689		200.0	*	P
Barium		57.5852		57.1664		0.7		P
Beryllium		0.1000	U	0.1000	U			P
Cadmium		0.4000	U	0.4000	U			P
Calcium		73207.5859		72699.1172		0.7		P
Chromium		0.8000	U	0.9615	B	200.0		P
Cobalt		1.7970	B	1.9397	B	7.6		P
Copper		2.7253	B	2.1063	B	25.6		P
Iron	100.0	136.6116		138.8935		1.7		P
Lead		1.5000	U	1.5000	U			P
Magnesium		17023.4219		16918.6133		0.6		P
Manganese		438.0971		434.1892		0.9		P
Nickel		2.0000	U	2.0000	U			P
Potassium	250.0	1095.9722		1040.2321		5.2		P
Selenium		2.3000	U	2.3000	U			P
Silver		0.8103	B	0.7000	U	200.0		P
Sodium		9698.5176		9655.5010		0.4		P
Thallium		5.5000	U	5.5000	U			P
Vanadium		0.9000	U	0.9000	U			P
Zinc		150.2780		149.9523		0.2		P

TOTAL METALS

-6-

DUPLICATES

SAMPLE NO.

AA3002D

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 10057W

Matrix (soil/water): WATER Level (low/med): LOW

% Solids for Sample: 0.0 % Solids for Duplicate:

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

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Mercury		0.1000	U	0.1000	U			CV

TOTAL METALS

-6-

DUPLICATES

SAMPLE NO.

AA3002 FILTEREDD

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 10057W

Matrix (soil/water): WATER Level (low/med): LOW

% Solids for Sample: 0.0 % Solids for Duplicate:

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

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Mercury		0.1000	U	0.1870	B	200.0	*	CV

TOTAL METALS

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LABORATORY CONTROL SAMPLE

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 10057W

Solid LCS Source:

Aqueous LCS Source: HIGH PURITY

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits	%R
Aluminum	2000.0	2044.83	102.2					
Antimony	100.0	100.55	100.6					
Arsenic	40.0	38.15	95.4					
Barium	2000.0	1992.86	99.6					
Beryllium	50.0	50.89	101.8					
Cadmium	50.0	50.65	101.3					
Calcium	5000.0	5112.04	102.2					
Chromium	200.0	203.50	101.8					
Cobalt	500.0	498.46	99.7					
Copper	250.0	255.69	102.3					
Iron	1000.0	1009.70	101.0					
Lead	20.0	20.41	102.1					
Magnesium	5000.0	5058.95	101.2					
Manganese	500.0	505.72	101.1					
Mercury	1.0	1.04	104.0					
Nickel	500.0	506.20	101.2					
Potassium	1000.0	1069.20	106.9					
Selenium	60.0	61.16	101.9					
Silver	50.0	50.23	100.5					
Sodium	5000.0	5234.68	104.7					
Thallium	50.0	49.12	98.2					
Vanadium	500.0	504.69	100.9					
Zinc	500.0	508.43	101.7					

Summary of Analytical Results

Client ID AA3002
GPL ID: 10057-004-09-1/2
Matrix: Water
Date Collected: Oct-11-2000
Date Received: Oct-12-2000

Prep Method: SW3520C
Prep Date: Oct-16-2000
Prep Time: 08:38
Prep Chemist: Veena Telhan

Analytical Method: SW8082
Date Analyzed: Oct-19-2000
Time Analyzed 09:45
Analyst: Philipos Yosief

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	1.02	ug/L	U	1
PCB-1221	BQL	1.02	ug/L	U	1
PCB-1232	BQL	1.02	ug/L	U	1
PCB-1242	BQL	1.02	ug/L	U	1
PCB-1248	BQL	1.02	ug/L	U	1
PCB-1254	BQL	1.02	ug/L	U	1
PCB-1260	BQL	2.04	ug/L	U	1

Summary of Analytical Results

Client ID AA3005
GPL ID: 10057-005-09-1/2
Matrix: Water
Date Collected: Oct-11-2000
Date Received: Oct-12-2000

Prep Method: SW3520C
Prep Date: Oct-16-2000
Prep Time: 08:38
Prep Chemist: Veena Telhan

Analytical Method: SW8082
Date Analyzed: Oct-19-2000
Time Analyzed 10:13
Analyst: Philipos Yosief

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	1.06	ug/L	U	1
PCB-1221	BQL	1.06	ug/L	U	1
PCB-1232	BQL	1.06	ug/L	U	1
PCB-1242	BQL	1.06	ug/L	U	1
PCB-1248	BQL	1.06	ug/L	U	1
PCB-1254	BQL	1.06	ug/L	U	1
PCB-1260	BQL	2.13	ug/L	U	1

Summary of Analytical Results

Client ID AA0480
GPL ID: 10057-002-04-1
Matrix: Soil
Date Collected: Oct-11-2000
Date Received: Oct-12-2000

Prep Method: SW3550
Prep Date: Oct-13-2000
Prep Time: 00:00
Prep Chemist: Rekha Patel

Analytical Method: SW8082
Date Analyzed: Oct-18-2000
Time Analyzed 23:02
Analyst: Philipos Yosief

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	45.7	ug/kg	U	1
PCB-1221	BQL	45.7	ug/kg	U	1
PCB-1232	BQL	45.7	ug/kg	U	1
PCB-1242	BQL	45.7	ug/kg	U	1
PCB-1248	BQL	45.7	ug/kg	U	1
PCB-1254	BQL	45.7	ug/kg	U	1
PCB-1260	BQL	91.4	ug/kg	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AA0481
GPL ID: 10057-003-04-1
Matrix: Soil
Date Collected: Oct-11-2000
Date Received: Oct-12-2000

Prep Method: SW3550
Prep Date: Oct-13-2000
Prep Time: 00:00
Prep Chemist: Rekha Patel

Analytical Method: SW8082
Date Analyzed: Oct-25-2000
Time Analyzed 17:26
Analyst: Philipos Yosief

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	184	ug/kg	U	5
PCB-1221	BQL	184	ug/kg	U	5
PCB-1232	BQL	184	ug/kg	U	5
PCB-1242	BQL	184	ug/kg	U	5
PCB-1248	BQL	184	ug/kg	U	5
PCB-1254	BQL	184	ug/kg	U	5
PCB-1260	1340	368	ug/kg		5

Summary of Analytical Results

Client ID AB0443
GPL ID: 10057-006-04-1
Matrix: Soil
Date Collected: Oct-11-2000
Date Received: Oct-12-2000

Prep Method: SW3550
Prep Date: Oct-13-2000
Prep Time: 00:00
Prep Chemist: Rekha Patel

Analytical Method: SW8082
Date Analyzed: Oct-19-2000
Time Analyzed 01:46
Analyst: Philipos Yosief

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	37.2	ug/kg	U	1
PCB-1221	BQL	37.2	ug/kg	U	1
PCB-1232	BQL	37.2	ug/kg	U	1
PCB-1242	BQL	37.2	ug/kg	U	1
PCB-1248	BQL	37.2	ug/kg	U	1
PCB-1254	BQL	37.2	ug/kg	U	1
PCB-1260	36.6	74.4	ug/kg	J	1

Summary of Analytical Results

Client ID AB0444
GPL ID: 10057-007-04-1
Matrix: Soil
Date Collected: Oct-11-2000
Date Received: Oct-12-2000

Prep Method: SW3550
Prep Date: Oct-13-2000
Prep Time: 00:00
Prep Chemist: Rekha Patel

Analytical Method: SW8082
Date Analyzed: Oct-19-2000
Time Analyzed 02:13
Analyst: Philipos Yosief

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	40.4	ug/kg	U	1
PCB-1221	BQL	40.4	ug/kg	U	1
PCB-1232	BQL	40.4	ug/kg	U	1
PCB-1242	BQL	40.4	ug/kg	U	1
PCB-1248	BQL	40.4	ug/kg	U	1
PCB-1254	BQL	40.4	ug/kg	U	1
PCB-1260	BQL	80.7	ug/kg	U	1

Summary of Analytical Results

Client ID AB0445
GPL ID: 10057-008-04-1
Matrix: Soil
Date Collected: Oct-11-2000
Date Received: Oct-12-2000

Prep Method: SW3550
Prep Date: Oct-13-2000
Prep Time: 00:00
Prep Chemist: Rekha Patel

Analytical Method: SW8082
Date Analyzed: Oct-19-2000
Time Analyzed 02:40
Analyst: Philipos Yosief

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	40.9	ug/kg	U	1
PCB-1221	BQL	40.9	ug/kg	U	1
PCB-1232	BQL	40.9	ug/kg	U	1
PCB-1242	BQL	40.9	ug/kg	U	1
PCB-1248	BQL	40.9	ug/kg	U	1
PCB-1254	BQL	40.9	ug/kg	U	1
PCB-1260	373	81.9	ug/kg		1

Summary of Analytical Results

Client ID AB0446
GPL ID: 10057-009-04-1
Matrix: Soil
Date Collected: Oct-11-2000
Date Received: Oct-12-2000

Prep Method: SW3550
Prep Date: Oct-13-2000
Prep Time: 00:00
Prep Chemist: Rekha Patel

Analytical Method: SW8082
Date Analyzed: Oct-19-2000
Time Analyzed 03:08
Analyst: Philipos Yosief

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	37.9	ug/kg	U	1
PCB-1221	BQL	37.9	ug/kg	U	1
PCB-1232	BQL	37.9	ug/kg	U	1
PCB-1242	BQL	37.9	ug/kg	U	1
PCB-1248	BQL	37.9	ug/kg	U	1
PCB-1254	BQL	37.9	ug/kg	U	1
PCB-1260	300	75.8	ug/kg		1

Summary of Analytical Results

Client ID AB0448
GPL ID: 10057-010-04-1
Matrix: Soil
Date Collected: Oct-11-2000
Date Received: Oct-12-2000

Prep Method: SW3550
Prep Date: Oct-13-2000
Prep Time: 00:00
Prep Chemist: Rekha Patel

Analytical Method: SW8082
Date Analyzed: Oct-19-2000
Time Analyzed 03:35
Analyst: Philipos Yosief

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	38.5	ug/kg	U	1
PCB-1221	BQL	38.5	ug/kg	U	1
PCB-1232	BQL	38.5	ug/kg	U	1
PCB-1242	BQL	38.5	ug/kg	U	1
PCB-1248	BQL	38.5	ug/kg	U	1
PCB-1254	BQL	38.5	ug/kg	U	1
PCB-1260	517	77	ug/kg		1

2F
SOIL PESTICIDE SURROGATE RECOVERY

Lab Name: GPL LABORATORIES Contract: IT CORPORATIO

Lab Code: GPLL Case No.: 10057 SAS No.: N/A SDG No.: N/A

GC Column (1) : RTx-CLP ID: 0.32 (mm) GC Column (2) : RTx-CLP2 ID: 0.32 (mm)

	CLIENT SAMPLE ID	TCX 1 %REC #	TCX 2 %REC #	DCB 1 %REC #	DCB 2 %REC #	TOT OUT
01	BLK7361	114	133	111	82	0
02	BKS7361	111	126	107	80	0
03	AA0480	95	103	99	78	0
04	AA0481 MS	109	122	109	81	0
05	AA0481 MSD	110	125	111	82	0
06	AB0443	97	115	83	62	0
07	AB0444	110	129	93	74	0
08	AB0445	135	85	94	81	0
09	AB0446	104	95	92	185 *	1
10	AB0448	102	95	89	185 *	1
11	AA0481 DL	166 ~~33~~ D	168 ~~106~~ D	279 ~~56~~ D*	195 ~~65~~ D*	~~0~~ 2

PY 11/06/00

			ADVISORY QC LIMITS
TCX	=	Tetrachloro-m-xylene	(19-191)
DCB	=	Decachlorobiphenyl	(21-155)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogate diluted out

4003

2E
WATER PESTICIDE SURROGATE RECOVERY

Lab Name: GPL LABORATORIES, LLLP Project: IT CORPORATIO

Lab Code: GPLL WO No.: 10057 SAS No.: N/A SDG No.: N/A

GC Column (1) : RTx-CLP ID: 0.32 (mm) GC Column (2) : RTx-CLP2 ID: 0.32 (mm)

	CLIENT SAMPLE ID	TCX 1 %REC #	TCX 2 %REC #	DCB 1 %REC #	DCB 2 %REC #	TOT OUT
01	BLK7374	102	149*	67	51	1
02	BKS7374	96	117*	99	69	1
03	AA3002	99	121*	77	56	1
04	AA3005	96	107	52	36	0

			ADVISORY QC LIMITS
TCX	=	Tetrachloro-m-xylene	(23-112)
DCB	=	Decachlorobiphenyl	(21-134)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogate diluted out

4004

3E

SOIL PCB's MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: GPL Laboratories Client: IT_CORPORATION

Lab Code: GPL Case No.: 10057 SAS No.: N/A SDG No.: N/A

EPA Sample No.: AA0481 MS/MSD GP ID: 10057-003-04-1 MS/MSD

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENTRATION (ug/kg)	MS CONCENTRATION (ug/kg)	MS % REC	QC LIMITS REC.
AR 1016	184	0	270	145 *	58-133
AR 1260	367	1800	2830	280 *	40-159

COMPOUND	SPIKE ADDED (ug/kg)	MSD CONCENTRATION (ug/kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC.
AR 1016	184	270	147 *	2	20	58-133
AR 1260	368	2840	282 *	1	15	40-159

* Value outside of QC limits

RPD: 0 of 2 outside limits.

Spike Recovery: 4 of 4 outside limits.

COMMENTS:

3E

WATER PCB's MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: GPL Laboratories Client: IT_CORPRATION

Lab Code: GPL Case No.: 10052 SAS No.: N/A SDG No.: N/A

EPA Sample No.: AB3005 MS/MSD GP ID: 10052-008-06-1 MS/MSD

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC.
AR 1016	11	0	9	84	54-150
AR 1260	22	0	22	99	70-131

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC.
AR 1016	11	9	83	1	20	54-150
AR 1260	22	21.5	97	2	20	70-131

* Value outside of QC limits

RPD: 0 of 2 outside limits.

Spike Recovery: 0 of 4 outside limits.

COMMENTS:

3E
SOIL LABORATORY CONTROL SPIKE RECOVERY

Lab Name: GPL Laboratories | Client: IT_CORPORATION

Lab Code: GPL | Case No.: 10057 | SAS No.: N/A | SDG No.: N/A

EPA Sample No.: BKS7361 | GP ID: PBLK-7361 MS

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENTRATION (ug/kg)	LCS CONCENTRATION (ug/kg)	LCS % REC	QC LIMITS REC
AR 1016	170	0	150	92	54-164
AR 1260	330	0	360	108	80-145

* Value outside of QC limits

Spike recovery: 0 out of 2 outside limits.

COMMENTS:

3E
WATER LABORATORY CONTROL SPIKE RECOVERY

Lab Name: GPL Laboratories | Client: IT CORPORATION

Lab Code: GPL | Case No.: 10057 | SAS No.: N/A | SDG No.: N/A

EPA Sample No.: BKS7374 | GP ID: PBLK-7374MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC
AR 1016	5	0	4.7	93	54-164
AR 1260	10	0	9.5	95	80-145

* Value outside of QC limits

Spike recovery: 0 out of 2 outside limits.

COMMENTS:

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

BLK7361

Lab Name: GPL LABORATORIES Contract: IT CORPORAT

Lab Code: GPLL Case No.: 10057 SAS No.: N/A SDG No.: N/A

Lab Sample ID: PBLK-7361 Lab File ID: J11089.D

Matrix: (soil/water) SOIL Extraction: (SepF/Cont/Sonc) SONC

Sulfur Cleanup: (Y/N) N Date Extracted: 10/13/00

Date Analyzed (1) : 10/18/00 Date Analyzed (2) : 10/18/00

Time Analyzed (1) : 2207 Time Analyzed (2) : 2207

Instrument ID (1) : GC-J Instrument ID (2) : GC-J

GC Column (1) : RTx-CLP ID: 0.32 (mm) GC Column (2) : RTx-CLP2 ID: 0.32 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	BKS7361	PBLK-7361MS	10/18/00	10/18/00
02	AA0480	10057-002-04-1	10/18/00	10/18/00
03	AA0481 MS	10057-003-04-1 MS	10/18/00	10/18/00
04	AA0481 MSD	10057-003-04-1 MSD	10/19/00	10/19/00
05	AB0443	10057-006-04-1	10/19/00	10/19/00
06	AB0444	10057-007-04-1	10/19/00	10/19/00
07	AB0445	10057-008-04-1	10/19/00	10/19/00
08	AB0446	10057-009-04-1	10/19/00	10/19/00
09	AB0448	10057-010-04-1	10/19/00	10/19/00
10	AA0481 DL	10057-003-04-1 5X	10/25/00	10/25/00

COMMENTS:

4C

PESTICIDE METHOD BLANK SUMMARY

CLIENT ID

BLK7374

Lab Name: GPL LABORATORIES, LLLP Project: IT CORPORAT

Lab Code: GPLL WO No.: 10057 SAS No.: N/A SDG No.: N/A

Lab Sample ID: PBLK-7374 Lab File ID: J11109.D

Matrix: (soil/water) WATER Extraction: (SepF/Cont/Sonc) CONT

Sulfur Cleanup: (Y/N) N Date Extracted: 10/17/00

Date Analyzed (1) : 10/19/00 Date Analyzed (2) : 10/19/00

Time Analyzed (1) : 0851 Time Analyzed (2) : 0851

Instrument ID (1) : GC-J Instrument ID (2) : GC-J

GC Column (1) : RTx-CLP ID: 0.32 (mm) GC Column (2) : RTx-CLP2 ID: 0.32 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	BKS7374	PBLK-7374MS	10/19/00	10/19/00
02	AA3002	10057-004-09-1/2	10/19/00	10/19/00
03	AA3005	10057-005-09-1/2	10/19/00	10/19/00

COMMENTS:

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AA0480
GPL ID: 10057-002-01-1/3
Matrix: Soil
Date Collected: Oct-11-2000
Date Received: Oct-12-2000

Prep Method: SW5035
Prep Date: Oct-13-2000
Prep Time: 08:45
Prep Chemist: NAZIH ABADEER

Analytical Method: SW8260B_TCL
Date Analyzed: Oct-13-2000
Time Analyzed 16:48
Analyst: Jannina S. Bryan

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	7.55	ug/kg	U	1
1,1,2,2-Tetrachloroethane	BQL	7.55	ug/kg	U	1
1,1,2-Trichloroethane	BQL	7.55	ug/kg	U	1
1,1-Dichloroethane	BQL	7.55	ug/kg	U	1
1,1-Dichloroethene	BQL	7.55	ug/kg	U	1
1,2-Dichloroethane	BQL	7.55	ug/kg	U	1
1,2-Dichloropropane	BQL	7.55	ug/kg	U	1
2-Butanone	BQL	15.1	ug/kg	U	1
2-Hexanone	BQL	15.1	ug/kg	U	1
4-Methyl-2-Pentanone	BQL	15.1	ug/kg	U	1
Acetone	36.8	15.1	ug/kg		1
Benzene	BQL	7.55	ug/kg	U	1
Bromodichloromethane	BQL	7.55	ug/kg	U	1
Bromoform	BQL	7.55	ug/kg	U	1
Bromomethane	BQL	15.1	ug/kg	U	1
Carbon Disulfide	BQL	7.55	ug/kg	U	1
Carbon Tetrachloride	BQL	7.55	ug/kg	U	1
Chlorobenzene	BQL	7.55	ug/kg	U	1
Chloroethane	BQL	15.1	ug/kg	U	1
Chloroform	BQL	7.55	ug/kg	U	1
Chloromethane	BQL	15.1	ug/kg	U	1
Dibromochloromethane	BQL	7.55	ug/kg	U	1
Ethylbenzene	BQL	7.55	ug/kg	U	1
Methylene Chloride	6.95	7.55	ug/kg	JB	1
Styrene	BQL	7.55	ug/kg	U	1
Tetrachloroethene	BQL	7.55	ug/kg	U	1
Toluene	BQL	7.55	ug/kg	U	1
Trichloroethene	BQL	7.55	ug/kg	U	1
Vinyl Chloride	BQL	15.1	ug/kg	U	1
cis-1,2-Dichloroethene	BQL	7.55	ug/kg	U	1
cis-1,3-Dichloropropene	BQL	7.55	ug/kg	U	1
m,p-Xylenes	BQL	7.55	ug/kg	U	1
o-Xylene	BQL	7.55	ug/kg	U	1
trans-1,2-dichloroethene	BQL	7.55	ug/kg	U	1
trans-1,3-dichloropropene	BQL	7.55	ug/kg	U	1

Summary of Analytical Results

Client ID AA0481
GPL ID: 10057-003-01-1/3
Matrix: Soil
Date Collected: Oct-11-2000
Date Received: Oct-12-2000

Prep Method: SW5035
Prep Date: Oct-13-2000
Prep Time: 08:45
Prep Chemist: NAZIH ABADEER

Analytical Method: SW8260B_TCL
Date Analyzed: Oct-13-2000
Time Analyzed 12:44
Analyst: Jannina S. Bryan

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	4.79	ug/kg	U	1
1,1,2,2-Tetrachloroethane	BQL	4.79	ug/kg	U	1
1,1,2-Trichloroethane	BQL	4.79	ug/kg	U	1
1,1-Dichloroethane	BQL	4.79	ug/kg	U	1
1,1-Dichloroethene	BQL	4.79	ug/kg	U	1
1,2-Dichloroethane	BQL	4.79	ug/kg	U	1
1,2-Dichloropropane	BQL	4.79	ug/kg	U	1
2-Butanone	BQL	9.57	ug/kg	U	1
2-Hexanone	BQL	9.57	ug/kg	U	1
4-Methyl-2-Pentanone	BQL	9.57	ug/kg	U	1
Acetone	13.4	9.57	ug/kg		1
Benzene	BQL	4.79	ug/kg	U	1
Bromodichloromethane	BQL	4.79	ug/kg	U	1
Bromoform	BQL	4.79	ug/kg	U	1
Bromomethane	BQL	9.57	ug/kg	U	1
Carbon Disulfide	BQL	4.79	ug/kg	U	1
Carbon Tetrachloride	BQL	4.79	ug/kg	U	1
Chlorobenzene	BQL	4.79	ug/kg	U	1
Chloroethane	BQL	9.57	ug/kg	U	1
Chloroform	BQL	4.79	ug/kg	U	1
Chloromethane	BQL	9.57	ug/kg	U	1
Dibromochloromethane	BQL	4.79	ug/kg	U	1
Ethylbenzene	BQL	4.79	ug/kg	U	1
Methylene Chloride	9.17	4.79	ug/kg	B	1
Styrene	BQL	4.79	ug/kg	U	1
Tetrachloroethene	BQL	4.79	ug/kg	U	1
Toluene	BQL	4.79	ug/kg	U	1
Trichloroethene	BQL	4.79	ug/kg	U	1
Vinyl Chloride	BQL	9.57	ug/kg	U	1
cis-1,2-Dichloroethene	BQL	4.79	ug/kg	U	1
cis-1,3-Dichloropropene	BQL	4.79	ug/kg	U	1
m,p-Xylenes	BQL	4.79	ug/kg	U	1
o-Xylene	BQL	4.79	ug/kg	U	1
trans-1,2-dichloroethene	BQL	4.79	ug/kg	U	1
trans-1,3-dichloropropene	BQL	4.79	ug/kg	U	1

Summary of Analytical Results

Client ID AB0443
GPL ID: 10057-006-01-1/3
Matrix: Soil
Date Collected: Oct-11-2000
Date Received: Oct-12-2000

Prep Method: SW5035
Prep Date: Oct-13-2000
Prep Time: 08:45
Prep Chemist: NAZIH ABADEER

Analytical Method: SW8260B_TCL
Date Analyzed: Oct-13-2000
Time Analyzed 13:24
Analyst: Jannina S. Bryan

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	5.67	ug/kg	U	1
1,1,2,2-Tetrachloroethane	BQL	5.67	ug/kg	U	1
1,1,2-Trichloroethane	BQL	5.67	ug/kg	U	1
1,1-Dichloroethane	BQL	5.67	ug/kg	U	1
1,1-Dichloroethene	BQL	5.67	ug/kg	U	1
1,2-Dichloroethane	BQL	5.67	ug/kg	U	1
1,2-Dichloropropane	BQL	5.67	ug/kg	U	1
2-Butanone	BQL	11.3	ug/kg	U	1
2-Hexanone	BQL	11.3	ug/kg	U	1
4-Methyl-2-Pentanone	BQL	11.3	ug/kg	U	1
Acetone	44.4	11.3	ug/kg		1
Benzene	BQL	5.67	ug/kg	U	1
Bromodichloromethane	BQL	5.67	ug/kg	U	1
Bromoform	BQL	5.67	ug/kg	U	1
Bromomethane	BQL	11.3	ug/kg	U	1
Carbon Disulfide	BQL	5.67	ug/kg	U	1
Carbon Tetrachloride	BQL	5.67	ug/kg	U	1
Chlorobenzene	BQL	5.67	ug/kg	U	1
Chloroethane	BQL	11.3	ug/kg	U	1
Chloroform	BQL	5.67	ug/kg	U	1
Chloromethane	BQL	11.3	ug/kg	U	1
Dibromochloromethane	BQL	5.67	ug/kg	U	1
Ethylbenzene	BQL	5.67	ug/kg	U	1
Methylene Chloride	5.94	5.67	ug/kg	B	1
Styrene	BQL	5.67	ug/kg	U	1
Tetrachloroethene	BQL	5.67	ug/kg	U	1
Toluene	BQL	5.67	ug/kg	U	1
Trichloroethene	BQL	5.67	ug/kg	U	1
Vinyl Chloride	BQL	11.3	ug/kg	U	1
cis-1,2-Dichloroethene	BQL	5.67	ug/kg	U	1
cis-1,3-Dichloropropene	BQL	5.67	ug/kg	U	1
m,p-Xylenes	BQL	5.67	ug/kg	U	1
o-Xylene	BQL	5.67	ug/kg	U	1
trans-1,2-dichloroethene	BQL	5.67	ug/kg	U	1
trans-1,3-dichloropropene	BQL	5.67	ug/kg	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB0444
GPL ID: 10057-007-02-2/3
Matrix: Soil
Date Collected: Oct-11-2000
Date Received: Oct-12-2000

Prep Method: SW5035
Prep Date: Oct-16-2000
Prep Time: 09:14
Prep Chemist: NAZIH ABADEER

Analytical Method: SW8260B_TCL
Date Analyzed: Oct-16-2000
Time Analyzed 14:30
Analyst: Jannina S. Bryan

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	4.98	ug/kg	U	1
1,1,2,2-Tetrachloroethane	BQL	4.98	ug/kg	U	1
1,1,2-Trichloroethane	BQL	4.98	ug/kg	U	1
1,1-Dichloroethane	BQL	4.98	ug/kg	U	1
1,1-Dichloroethene	BQL	4.98	ug/kg	U	1
1,2-Dichloroethane	BQL	4.98	ug/kg	U	1
1,2-Dichloropropane	BQL	4.98	ug/kg	U	1
2-Butanone	BQL	9.96	ug/kg	U	1
2-Hexanone	BQL	9.96	ug/kg	U	1
4-Methyl-2-Pentanone	BQL	9.96	ug/kg	U	1
Acetone	109	9.96	ug/kg		1
Benzene	BQL	4.98	ug/kg	U	1
Bromodichloromethane	BQL	4.98	ug/kg	U	1
Bromoform	BQL	4.98	ug/kg	U	1
Bromomethane	BQL	9.96	ug/kg	U	1
Carbon Disulfide	5.98	4.98	ug/kg		1
Carbon Tetrachloride	BQL	4.98	ug/kg	U	1
Chlorobenzene	BQL	4.98	ug/kg	U	1
Chloroethane	BQL	9.96	ug/kg	U	1
Chloroform	BQL	4.98	ug/kg	U	1
Chloromethane	BQL	9.96	ug/kg	U	1
Dibromochloromethane	BQL	4.98	ug/kg	U	1
Ethylbenzene	BQL	4.98	ug/kg	U	1
Methylene Chloride	7.31	4.98	ug/kg	B	1
Styrene	BQL	4.98	ug/kg	U	1
Tetrachloroethene	BQL	4.98	ug/kg	U	1
Toluene	3.02	4.98	ug/kg	J	1
Trichloroethene	BQL	4.98	ug/kg	U	1
Vinyl Chloride	BQL	9.96	ug/kg	U	1
cis-1,2-Dichloroethene	BQL	4.98	ug/kg	U	1
cis-1,3-Dichloropropene	BQL	4.98	ug/kg	U	1
m,p-Xylenes	BQL	4.98	ug/kg	U	1
o-Xylene	BQL	4.98	ug/kg	U	1
trans-1,2-dichloroethene	BQL	4.98	ug/kg	U	1
trans-1,3-dichloropropene	BQL	4.98	ug/kg	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB0445
GPL ID: 10057-008-01-1/3
Matrix: Soil
Date Collected: Oct-11-2000
Date Received: Oct-12-2000

Prep Method: SW5035
Prep Date: Oct-13-2000
Prep Time: 08:45
Prep Chemist: NAZIH ABADEER

Analytical Method: SW8260B_TCL
Date Analyzed: Oct-13-2000
Time Analyzed 14:47
Analyst: Jannina S. Bryan

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	5.95	ug/kg	U	1
1,1,2,2-Tetrachloroethane	BQL	5.95	ug/kg	U	1
1,1,2-Trichloroethane	BQL	5.95	ug/kg	U	1
1,1-Dichloroethane	BQL	5.95	ug/kg	U	1
1,1-Dichloroethene	BQL	5.95	ug/kg	U	1
1,2-Dichloroethane	BQL	5.95	ug/kg	U	1
1,2-Dichloropropane	BQL	5.95	ug/kg	U	1
2-Butanone	BQL	11.9	ug/kg	U	1
2-Hexanone	BQL	11.9	ug/kg	U	1
4-Methyl-2-Pentanone	BQL	11.9	ug/kg	U	1
Acetone	97.5	11.9	ug/kg		1
Benzene	6.01	5.95	ug/kg		1
Bromodichloromethane	BQL	5.95	ug/kg	U	1
Bromoform	BQL	5.95	ug/kg	U	1
Bromomethane	BQL	11.9	ug/kg	U	1
Carbon Disulfide	BQL	5.95	ug/kg	U	1
Carbon Tetrachloride	BQL	5.95	ug/kg	U	1
Chlorobenzene	BQL	5.95	ug/kg	U	1
Chloroethane	BQL	11.9	ug/kg	U	1
Chloroform	BQL	5.95	ug/kg	U	1
Chloromethane	BQL	11.9	ug/kg	U	1
Dibromochloromethane	BQL	5.95	ug/kg	U	1
Ethylbenzene	BQL	5.95	ug/kg	U	1
Methylene Chloride	5.40	5.95	ug/kg	JB	1
Styrene	BQL	5.95	ug/kg	U	1
Tetrachloroethene	BQL	5.95	ug/kg	U	1
Toluene	2.58	5.95	ug/kg	J	1
Trichloroethene	BQL	5.95	ug/kg	U	1
Vinyl Chloride	BQL	11.9	ug/kg	U	1
cis-1,2-Dichloroethene	BQL	5.95	ug/kg	U	1
cis-1,3-Dichloropropene	BQL	5.95	ug/kg	U	1
m,p-Xylenes	BQL	5.95	ug/kg	U	1
o-Xylene	BQL	5.95	ug/kg	U	1
trans-1,2-dichloroethene	BQL	5.95	ug/kg	U	1
trans-1,3-dichloropropene	BQL	5.95	ug/kg	U	1

Summary of Analytical Results

Client ID AB0446
GPL ID: 10057-009-01-1/3
Matrix: Soil
Date Collected: Oct-11-2000
Date Received: Oct-12-2000

Prep Method: SW5035
Prep Date: Oct-13-2000
Prep Time: 08:45
Prep Chemist: NAZIH ABADEER

Analytical Method: SW8260B_TCL
Date Analyzed: Oct-13-2000
Time Analyzed 15:27
Analyst: Jannina S. Bryan

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	4.93	ug/kg	U	1
1,1,2,2-Tetrachloroethane	BQL	4.93	ug/kg	U	1
1,1,2-Trichloroethane	BQL	4.93	ug/kg	U	1
1,1-Dichloroethane	BQL	4.93	ug/kg	U	1
1,1-Dichloroethene	BQL	4.93	ug/kg	U	1
1,2-Dichloroethane	BQL	4.93	ug/kg	U	1
1,2-Dichloropropane	BQL	4.93	ug/kg	U	1
2-Butanone	BQL	9.85	ug/kg	U	1
2-Hexanone	BQL	9.85	ug/kg	U	1
4-Methyl-2-Pentanone	BQL	9.85	ug/kg	U	1
Acetone	BQL	9.85	ug/kg	U	1
Benzene	2.91	4.93	ug/kg	J	1
Bromodichloromethane	BQL	4.93	ug/kg	U	1
Bromoform	BQL	4.93	ug/kg	U	1
Bromomethane	BQL	9.85	ug/kg	U	1
Carbon Disulfide	4.23	4.93	ug/kg	J	1
Carbon Tetrachloride	BQL	4.93	ug/kg	U	1
Chlorobenzene	BQL	4.93	ug/kg	U	1
Chloroethane	BQL	9.85	ug/kg	U	1
Chloroform	BQL	4.93	ug/kg	U	1
Chloromethane	BQL	9.85	ug/kg	U	1
Dibromochloromethane	BQL	4.93	ug/kg	U	1
Ethylbenzene	BQL	4.93	ug/kg	U	1
Methylene Chloride	4.43	4.93	ug/kg	JB	1
Styrene	BQL	4.93	ug/kg	U	1
Tetrachloroethene	BQL	4.93	ug/kg	U	1
Toluene	6.92	4.93	ug/kg		1
Trichloroethene	BQL	4.93	ug/kg	U	1
Vinyl Chloride	BQL	9.85	ug/kg	U	1
cis-1,2-Dichloroethene	BQL	4.93	ug/kg	U	1
cis-1,3-Dichloropropene	BQL	4.93	ug/kg	U	1
m,p-Xylenes	BQL	4.93	ug/kg	U	1
o-Xylene	BQL	4.93	ug/kg	U	1
trans-1,2-dichloroethene	BQL	4.93	ug/kg	U	1
trans-1,3-dichloropropene	BQL	4.93	ug/kg	U	1

Summary of Analytical Results

Client ID AB0448
GPL ID: 10057-010-01-1/3
Matrix: Soil
Date Collected: Oct-11-2000
Date Received: Oct-12-2000

Prep Method: SW5035
Prep Date: Oct-13-2000
Prep Time: 08:45
Prep Chemist: NAZIH ABADEER

Analytical Method: SW8260B_TCL
Date Analyzed: Oct-13-2000
Time Analyzed 16:08
Analyst: Jannina S. Bryan

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	5.23	ug/kg	U	1
1,1,2,2-Tetrachloroethane	BQL	5.23	ug/kg	U	1
1,1,2-Trichloroethane	BQL	5.23	ug/kg	U	1
1,1-Dichloroethane	BQL	5.23	ug/kg	U	1
1,1-Dichloroethene	BQL	5.23	ug/kg	U	1
1,2-Dichloroethane	BQL	5.23	ug/kg	U	1
1,2-Dichloropropane	BQL	5.23	ug/kg	U	1
2-Butanone	BQL	10.5	ug/kg	U	1
2-Hexanone	BQL	10.5	ug/kg	U	1
4-Methyl-2-Pentanone	BQL	10.5	ug/kg	U	1
Acetone	50.3	10.5	ug/kg		1
Benzene	BQL	5.23	ug/kg	U	1
Bromodichloromethane	BQL	5.23	ug/kg	U	1
Bromoform	BQL	5.23	ug/kg	U	1
Bromomethane	BQL	10.5	ug/kg	U	1
Carbon Disulfide	BQL	5.23	ug/kg	U	1
Carbon Tetrachloride	BQL	5.23	ug/kg	U	1
Chlorobenzene	BQL	5.23	ug/kg	U	1
Chloroethane	BQL	10.5	ug/kg	U	1
Chloroform	BQL	5.23	ug/kg	U	1
Chloromethane	BQL	10.5	ug/kg	U	1
Dibromochloromethane	BQL	5.23	ug/kg	U	1
Ethylbenzene	BQL	5.23	ug/kg	U	1
Methylene Chloride	5.05	5.23	ug/kg	JB	1
Styrene	BQL	5.23	ug/kg	U	1
Tetrachloroethene	BQL	5.23	ug/kg	U	1
Toluene	BQL	5.23	ug/kg	U	1
Trichloroethene	BQL	5.23	ug/kg	U	1
Vinyl Chloride	BQL	10.5	ug/kg	U	1
cis-1,2-Dichloroethene	BQL	5.23	ug/kg	U	1
cis-1,3-Dichloropropene	BQL	5.23	ug/kg	U	1
m,p-Xylenes	BQL	5.23	ug/kg	U	1
o-Xylene	BQL	5.23	ug/kg	U	1
trans-1,2-dichloroethene	BQL	5.23	ug/kg	U	1
trans-1,3-dichloropropene	BQL	5.23	ug/kg	U	1

Summary of Analytical Results

Client ID 10112000-TB2
GPL ID: 10057-001-01-1/2
Matrix: Water
Date Collected: Oct-11-2000
Date Received: Oct-12-2000

Prep Method: SW5030B
Prep Date: Oct-16-2000
Prep Time: 07:26
Prep Chemist: Jannina S. Bryan

Analytical Method: SW8260LL_TCL
Date Analyzed: Oct-16-2000
Time Analyzed 11:08
Analyst: Jannina S. Bryan

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	1	ug/L	U	1
1,1,2,2-Tetrachloroethane	BQL	1	ug/L	U	1
1,1,2-Trichloroethane	BQL	1	ug/L	U	1
1,1-Dichloroethane	BQL	1	ug/L	U	1
1,1-Dichloroethene	BQL	1	ug/L	U	1
1,2-Dichloroethane	BQL	1	ug/L	U	1
1,2-Dichloropropane	BQL	1	ug/L	U	1
2-Butanone	BQL	5	ug/L	U	1
2-Hexanone	BQL	5	ug/L	U	1
4-Methyl-2-Pentanone	BQL	5	ug/L	U	1
Acetone	BQL	5	ug/L	U	1
Benzene	BQL	1	ug/L	U	1
Bromodichloromethane	BQL	1	ug/L	U	1
Bromoform	BQL	1	ug/L	U	1
Bromomethane	BQL	1	ug/L	U	1
Carbon Disulfide	BQL	1	ug/L	U	1
Carbon Tetrachloride	BQL	1	ug/L	U	1
Chlorobenzene	BQL	1	ug/L	U	1
Chloroethane	BQL	1	ug/L	U	1
Chloroform	BQL	1	ug/L	U	1
Chloromethane	BQL	1	ug/L	U	1
Dibromochloromethane	BQL	1	ug/L	U	1
Ethylbenzene	BQL	1	ug/L	U	1
Methylene Chloride	1.54	1	ug/L	B	1
Styrene	BQL	1	ug/L	U	1
Tetrachloroethene	BQL	1	ug/L	U	1
Toluene	BQL	1	ug/L	U	1
Trichloroethene	BQL	1	ug/L	U	1
Vinyl Chloride	BQL	1	ug/L	U	1
cis-1,2-Dichloroethene	BQL	1	ug/L	U	1
cis-1,3-Dichloropropene	BQL	1	ug/L	U	1
m,p-Xylenes	BQL	1	ug/L	U	1
o-Xylene	BQL	1	ug/L	U	1
trans-1,2-dichloroethene	BQL	1	ug/L	U	1
trans-1,3-dichloropropene	BQL	1	ug/L	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AA3002
GPL ID: 10057-004-01-1/3
Matrix: Water
Date Collected: Oct-11-2000
Date Received: Oct-12-2000

Prep Method: SW5030B
Prep Date: Oct-16-2000
Prep Time: 07:26
Prep Chemist: Jannina S. Bryan

Analytical Method: SW8260LL_TCL
Date Analyzed: Oct-16-2000
Time Analyzed 11:41
Analyst: Jannina S. Bryan

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	1	ug/L	U	1
1,1,2,2-Tetrachloroethane	BQL	1	ug/L	U	1
1,1,2-Trichloroethane	BQL	1	ug/L	U	1
1,1-Dichloroethane	BQL	1	ug/L	U	1
1,1-Dichloroethene	BQL	1	ug/L	U	1
1,2-Dichloroethane	BQL	1	ug/L	U	1
1,2-Dichloropropane	BQL	1	ug/L	U	1
2-Butanone	BQL	5	ug/L	U	1
2-Hexanone	BQL	5	ug/L	U	1
4-Methyl-2-Pentanone	BQL	5	ug/L	U	1
Acetone	BQL	5	ug/L	U	1
Benzene	BQL	1	ug/L	U	1
Bromodichloromethane	BQL	1	ug/L	U	1
Bromoform	BQL	1	ug/L	U	1
Bromomethane	BQL	1	ug/L	U	1
Carbon Disulfide	BQL	1	ug/L	U	1
Carbon Tetrachloride	BQL	1	ug/L	U	1
Chlorobenzene	BQL	1	ug/L	U	1
Chloroethane	BQL	1	ug/L	U	1
Chloroform	BQL	1	ug/L	U	1
Chloromethane	BQL	1	ug/L	U	1
Dibromochloromethane	BQL	1	ug/L	U	1
Ethylbenzene	BQL	1	ug/L	U	1
Methylene Chloride	1.23	1	ug/L	B	1
Styrene	BQL	1	ug/L	U	1
Tetrachloroethene	BQL	1	ug/L	U	1
Toluene	BQL	1	ug/L	U	1
Trichloroethene	BQL	1	ug/L	U	1
Vinyl Chloride	BQL	1	ug/L	U	1
cis-1,2-Dichloroethene	BQL	1	ug/L	U	1
cis-1,3-Dichloropropene	BQL	1	ug/L	U	1
m,p-Xylenes	BQL	1	ug/L	U	1
o-Xylene	BQL	1	ug/L	U	1
trans-1,2-dichloroethene	BQL	1	ug/L	U	1
trans-1,3-dichloropropene	BQL	1	ug/L	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AA3005
GPL ID: 10057-005-01-1/3
Matrix: Water
Date Collected: Oct-11-2000
Date Received: Oct-12-2000

Prep Method: SW5030B
Prep Date: Oct-16-2000
Prep Time: 07:26
Prep Chemist: Jannina S. Bryan

Analytical Method: SW8260LL_TCL
Date Analyzed: Oct-16-2000
Time Analyzed 12:15
Analyst: Jannina S. Bryan

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	1	ug/L	U	1
1,1,2,2-Tetrachloroethane	BQL	1	ug/L	U	1
1,1,2-Trichloroethane	BQL	1	ug/L	U	1
1,1-Dichloroethane	BQL	1	ug/L	U	1
1,1-Dichloroethene	BQL	1	ug/L	U	1
1,2-Dichloroethane	BQL	1	ug/L	U	1
1,2-Dichloropropane	BQL	1	ug/L	U	1
2-Butanone	BQL	5	ug/L	U	1
2-Hexanone	BQL	5	ug/L	U	1
4-Methyl-2-Pentanone	BQL	5	ug/L	U	1
Acetone	BQL	5	ug/L	U	1
Benzene	BQL	1	ug/L	U	1
Bromodichloromethane	BQL	1	ug/L	U	1
Bromoform	BQL	1	ug/L	U	1
Bromomethane	BQL	1	ug/L	U	1
Carbon Disulfide	BQL	1	ug/L	U	1
Carbon Tetrachloride	BQL	1	ug/L	U	1
Chlorobenzene	BQL	1	ug/L	U	1
Chloroethane	BQL	1	ug/L	U	1
Chloroform	BQL	1	ug/L	U	1
Chloromethane	BQL	1	ug/L	U	1
Dibromochloromethane	BQL	1	ug/L	U	1
Ethylbenzene	BQL	1	ug/L	U	1
Methylene Chloride	1.21	1	ug/L	B	1
Styrene	BQL	1	ug/L	U	1
Tetrachloroethene	BQL	1	ug/L	U	1
Toluene	BQL	1	ug/L	U	1
Trichloroethene	BQL	1	ug/L	U	1
Vinyl Chloride	BQL	1	ug/L	U	1
cis-1,2-Dichloroethene	2.11	1	ug/L		1
cis-1,3-Dichloropropene	BQL	1	ug/L	U	1
m,p-Xylenes	BQL	1	ug/L	U	1
o-Xylene	BQL	1	ug/L	U	1
trans-1,2-dichloroethene	BQL	1	ug/L	U	1
trans-1,3-dichloropropene	BQL	1	ug/L	U	1

2B

SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: GPL LABORATORIES, LLLP Contract: PLUMBROOK_ORDN

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Level: (low/med) LOW

	CLIENT SAMPLE NO.	SMC1 #	SMC2 #	SMC3 #	SMC4 #	TOT OUT
01	BLK7378	98	122	110	105	1
02	BKS7378	83	105	97	94	0
03	AA0481	90	105	97	87	0
04	AB0443	89	105	98	92	0
05	AB0445	86	121	122	121	0
06	AB0446	77	114	122	128	0
07	AB0448	90	105	96	88	0
08	AA0480	92	107	93	89	0
09	BLK7418	81	90	74	73	0
10	BKS7418	91	83	81	82	0
11	AB0444	101	104	88	93	0

LDC 11/6/00

			QC LIMITS
SMC1	=	1,2-Dichloroethane-d4	(72-129)
SMC2	=	Toluene-d8	(68-122)
SMC3	=	4-Bromofluorobenzene	(71-122)
SMC4	=	1,2-Dichlorobenzene-d4	(68-138)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

2A
WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: GPL LABORATORIES, LLLP Contract: PLUMBROOK_ORDN

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

	CLIENT SAMPLE NO.	SMC1 #	SMC2 #	SMC3 #	SMC4 #	TOT OUT
01	BLK7386	106	95	91	92	0
02	BKS7386	117	118	114	103	0
03	10112000-TB2	88	92	85	82	0
04	AA3002	99	104	93	94	0
05	AA3005	114	112	103	103	0

			QC LIMITS
SMC1	=	1,2-Dichloroethane-d4	(77-133)
SMC2	=	Toluene-d8	(74-128)
SMC3	=	4-Bromofluorobenzene	(81-125)
SMC4	=	1,2-Dichlorobenzene-d4	(76-134)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

3B

SOIL VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: GPL LABORATORIES, LLLP Contract: STANDARD_LIS

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Matrix Spike - EPA Sample No.: B9353-3,4 Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC LIMITS REC.
1,1-Dichloroethene	56	0.0	49	88	39 - 147
Benzene	56	0.0	51	91	36 - 150
Trichloroethene	56	0.0	57	102	33 - 150
Toluene	56	0.0	53	95	34 - 151
Chlorobenzene	56	0.0	50	89	33 - 143

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	56	55	98	11	25	39 - 147
Benzene	56	51	91	0	25	36 - 150
Trichloroethene	56	59	105	3	25	33 - 150
Toluene	56	56	100	5	25	34 - 151
Chlorobenzene	56	57	102	14	25	33 - 143

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 5 outside limits

Spike Recovery: 0 out of 10 outside limits

COMMENTS: Shared with 10055

3A

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: GPL LABORATORIES, LLLP Contract: GENERAL_PHYS

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Matrix Spike - EPA Sample No.: QRP2A

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
1,1-Dichloroethene	10	0.0	15	150 *	51 - 134
Benzene	10	0.0	12	120	61 - 120
Trichloroethene	10	3.9	16	120	44 - 139
Toluene	10	0.0	12	120 *	53 - 118
Chlorobenzene	10	0.0	11	110	68 - 125

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	10	11	110	31 *	25	51 - 134
Benzene	10	8.7	87	32 *	25	61 - 120
Trichloroethene	10	12	81	39 *	25	44 - 139
Toluene	10	8.7	87	32 *	25	53 - 118
Chlorobenzene	10	8.3	83	28 *	25	68 - 125

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 5 out of 5 outside limits

Spike Recovery: 2 out of 10 outside limits

COMMENTS: Shared with 10037

LAB CONTROL STANDARD RECOVERY

Lab Name:	GPL LABORATORIES, LLLP			Contract:	PLUMBROOK_ORDN
Case No.:	N/A			SDG No.:	N/A
Lab Code:	GPLL			Lab Sample ID:	BKS1013
Lab File ID:	A27432.D	Matrix:	SOIL	Date Analyzed:	10/13/00

COMPOUND	LCS ADDED (ug/L)	CONCENTRATION FOUND (ug/L)	PERCENT RECOVERY #	INTERNAL LABORATORY LIMITS
Vinyl Chloride	50	55	110	29-148
1,1-Dichloroethene	50	44	88	40-150
Chloroform	50	49	98	61-146
1,2-Dichloroethane	50	49	98	59-155
1,1,1,-Trichloroethane	50	46	92	61-152
Carbon Tetrachloride	50	49	98	59-153
Bromodichloromethane	50	49	98	63-151
Trichloroethene	50	48	96	55-145
Dibromochloromethane	50	49	98	65-151
Benzene	50	47	94	52-155
Bromoform	50	50	100	36-150

* Value outside internal laboratory limits

Comments: _____

LAB CONTROL STANDARD RECOVERY

Lab Name:	GPL LABORATORIES, LLLP			Contract:	PLUMBROOK_ORDN
Case No.:	N/A			SDG No.:	N/A
Lab Code:	N/A			Lab Sample ID:	BKS1016
Lab File ID:	A27452.D	Matrix:	SOIL	Date Analyzed:	10/16/00

COMPOUND	LCS ADDED (ug/L)	CONCENTRATION FOUND (ug/L)	PERCENT RECOVERY #	INTERNAL LABORATORY LIMITS
Vinyl Chloride	50	40	80	29-148
1,1-Dichloroethene	50	45	90	40-150
Chloroform	50	51	102	61-146
1,2-Dichloroethane	50	49	98	59-155
1,1,1,-Trichloroethane	50	50	100	61-152
Carbon Tetrachloride	50	49	98	59-153
Bromodichloromethane	50	45	90	63-151
Trichloroethene	50	42	84	55-145
Dibromochloromethane	50	47	94	65-151
Benzene	50	46	92	52-155
Bromoform	50	50	100	36-150

* Value outside internal laboratory limits

Comments: _____

LAB CONTROL STANDARD RECOVERY

Lab Name:	GPL LABORATORIES, LLLP			Contract:	PLUMBROOK_ORDN
Case No.:	N/A			SDG No.:	N/A
Lab Code:	GPLL			Lab Sample ID:	BKS1016
Lab File ID:	E22125.D	Matrix:	WATER	Date Analyzed:	10/16/00

COMPOUND	LCS ADDED (ug/L)	CONCENTRATION FOUND (ug/L)	PERCENT RECOVERY #	INTERNAL LABORATORY LIMITS
Vinyl Chloride	10	6.1	61	42-126
1,1-Dichloroethene	10	8	81	51-134
Chloroform	10	8.1	81	64-139
1,1,1-Trichloroethane	10	7.3	73	64-150
Carbon Tetrachloride	10	8.3	83	49-169
Benzene	10	8.0	80	61-120
1,2-Dichloroethane	10	8.1	81	64-141
Trichloroethene	10	7.9	79	44-139
Bromodichloromethane	10	8.8	88	60-142
Dibromochloromethane	10	8.1	81	54-164
Bromoform	10	7.3	73	46-156

* Value outside internal laboratory limits

Comments: _____

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

BLK7378

Lab Name: GPL LABORATORIES, LLLP Contract: PLUMBRO

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Lab File ID: A27431.D Lab Sample ID: BLK1

Date Analyzed: 10/13/00 Time Analyzed: 10:38

GC Column: RTX VO ID: 0.53 (mm) Heated Purge: (Y/N) Y

Instrument ID: HP#A

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	BKS7378	BKS1	A27432.D	11:23
02	AA0481	10057-003-01-1/3	A27434.D	12:44
03	AB0443	10057-006-01-1/3	A27435.D	13:24
04	AB0445	10057-008-01-1/3	A27437.D	14:47
05	AB0446	10057-009-01-1/3	A27438.D	15:27
06	AB0448	10057-010-01-1/3	A27439.D	16:08
07	AA0480	10057-002-01-1/3	A27440.D	16:48

COMMENTS

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

BLK7418

Lab Name: GPL LABORATORIES, LLLP Contract: PLUMBRO

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Lab File ID: A27451.D Lab Sample ID: BLK1

Date Analyzed: 10/16/00 Time Analyzed: 10:31

GC Column: RTX VO ID: 0.53 (mm) Heated Purge: (Y/N) Y

Instrument ID: HP#A

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	BKS7418	BKS1	A27452.D	11:15
02	AB0444	10057-007-02-2/3	A27456.D	14:30

COMMENTS

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

BLK7386

Lab Name: GPL LABORATORIES, LLLP Contract: PLUMBRO

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Lab File ID: E22124.D Lab Sample ID: BLK1016

Date Analyzed: 10/16/00 Time Analyzed: 09:26

GC Column: RTXVO ID: 0.53 (mm) Heated Purge: (Y/N) N

Instrument ID: 5970-E

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	BKS7386	BKS1016	E22125.D	10:00
02	10112000-TB2	10057-001-01/1/3	E22127.D	11:08
03	AA3002	10057-004-01/1/3	E22128.D	11:41
04	AA3005	10057-005-01/1/3	E22129.D	12:15

COMMENTS

Summary of Analytical Results

Client ID AA3002
GPL ID: 10057-004-04-1/2
Matrix: Water
Date Collected: Oct-11-2000
Date Received: Oct-12-2000

Prep Method: SW3520C
Prep Date: Oct-16-2000
Prep Time: 08:52
Prep Chemist: Veena Telhan

Analytical Method: SW8270CTCL
Date Analyzed: Oct-31-2000
Time Analyzed 07:22
Analyst: Hall Moore

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	10.2	ug/L	U	1
1,2-Dichlorobenzene	BQL	10.2	ug/L	U	1
1,3-Dichlorobenzene	BQL	10.2	ug/L	U	1
1,4-Dichlorobenzene	BQL	10.2	ug/L	U	1
2,2-Oxybis(1-Chloro)Propane	BQL	10.2	ug/L	U	1
2,4,5-Trichlorophenol	BQL	10.2	ug/L	U	1
2,4,6-Trichlorophenol	BQL	10.2	ug/L	U	1
2,4-Dichlorophenol	BQL	10.2	ug/L	U	1
2,4-Dimethylphenol	BQL	10.2	ug/L	U	1
2,4-Dinitrophenol	BQL	20.4	ug/L	U	1
2,4-Dinitrotoluene	3.29	10.2	ug/L	J	1
2,6-Dinitrotoluene	BQL	10.2	ug/L	U	1
2-Chloronaphthalene	BQL	10.2	ug/L	U	1
2-Chlorophenol	BQL	10.2	ug/L	U	1
2-Methylnaphthalene	BQL	10.2	ug/L	U	1
2-Nitroaniline	BQL	10.2	ug/L	U	1
2-Nitrophenol	BQL	10.2	ug/L	U	1
2-methylphenol	BQL	10.2	ug/L	U	1
3,3-Dichlorobenzidine	BQL	20.4	ug/L	U	1
3-Nitroaniline	BQL	10.2	ug/L	U	1
4,6-dinitro-2-methyl phenol	BQL	20.4	ug/L	U	1
4-Bromophenyl-phenylether	BQL	10.2	ug/L	U	1
4-Chloroaniline	BQL	10.2	ug/L	U	1
4-Chlorophenyl Phenyl Ether	BQL	10.2	ug/L	U	1
4-Nitroaniline	BQL	10.2	ug/L	U	1
4-Nitrophenol	BQL	20.4	ug/L	U	1
4-chloro-3-methylphenol	BQL	10.2	ug/L	U	1
4-methylphenol	BQL	10.2	ug/L	U	1
Acenaphthene	BQL	10.2	ug/L	U	1
Acenaphthylene	BQL	10.2	ug/L	U	1
Anthracene	BQL	10.2	ug/L	U	1
Benzo(a)anthracene	BQL	10.2	ug/L	U	1
Benzo(a)pyrene	BQL	10.2	ug/L	U	1
Benzo(b)fluoranthene	BQL	10.2	ug/L	U	1
Benzo(g,h,i)perylene	BQL	10.2	ug/L	U	1
Benzo(k)fluoranthene	BQL	10.2	ug/L	U	1
Benzyl Butyl Phthalate	BQL	10.2	ug/L	U	1
Carbazole	BQL	10.2	ug/L	U	1
Chrysene	BQL	10.2	ug/L	U	1

Summary of Analytical Results

Client ID AA3002
GPL ID: 10057-004-04-1/2
Matrix: Water
Date Collected: Oct-11-2000
Date Received: Oct-12-2000

Prep Method: SW3520C
Prep Date: Oct-16-2000
Prep Time: 08:52
Prep Chemist: Veena Telhan

Analytical Method: SW8270CTCL
Date Analyzed: Oct-31-2000
Time Analyzed 07:22
Analyst: Hall Moore

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	10.2	ug/L	U	1
Dibenzofuran	BQL	10.2	ug/L	U	1
Diethyl Phthalate	BQL	10.2	ug/L	U	1
Dimethyl Phthalate	BQL	10.2	ug/L	U	1
Fluoranthene	BQL	10.2	ug/L	U	1
Fluorene	BQL	10.2	ug/L	U	1
Hexachlorobenzene	BQL	10.2	ug/L	U	1
Hexachlorobutadiene	BQL	10.2	ug/L	U	1
Hexachlorocyclopentadiene	BQL	10.2	ug/L	U	1
Hexachloroethane	BQL	10.2	ug/L	U	1
Indeno(1,2,3-c,d)Pyrene	BQL	10.2	ug/L	U	1
Isophorone	BQL	10.2	ug/L	U	1
Naphthalene	BQL	10.2	ug/L	U	1
Nitrobenzene	BQL	10.2	ug/L	U	1
Pentachlorophenol	BQL	20.4	ug/L	U	1
Phenanthrene	BQL	10.2	ug/L	U	1
Phenol	BQL	10.2	ug/L	U	1
Pyrene	BQL	10.2	ug/L	U	1
bis(2-chloroethoxy) methane	BQL	10.2	ug/L	U	1
bis(2-chloroethyl) ether	BQL	10.2	ug/L	U	1
bis(2-ethylhexyl) phthalate	BQL	10.2	ug/L	U	1
di-n-Butyl Phthalate	BQL	10.2	ug/L	U	1
di-n-Octyl Phthalate	BQL	10.2	ug/L	U	1
n-Nitrosodi-n-Propylamine	BQL	10.2	ug/L	U	1
n-Nitrosodiphenylamine	BQL	10.2	ug/L	U	1

Summary of Analytical Results

Client ID AA3005
GPL ID: 10057-005-04-1/2
Matrix: Water
Date Collected: Oct-11-2000
Date Received: Oct-12-2000

Prep Method: SW3520C
Prep Date: Oct-16-2000
Prep Time: 08:52
Prep Chemist: Veena Telhan

Analytical Method: SW8270CTCL
Date Analyzed: Oct-31-2000
Time Analyzed 08:09
Analyst: Hall Moore

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	10.9	ug/L	U	1
1,2-Dichlorobenzene	BQL	10.9	ug/L	U	1
1,3-Dichlorobenzene	BQL	10.9	ug/L	U	1
1,4-Dichlorobenzene	BQL	10.9	ug/L	U	1
2,2-Oxybis(1-Chloro)Propane	BQL	10.9	ug/L	U	1
2,4,5-Trichlorophenol	BQL	10.9	ug/L	U	1
2,4,6-Trichlorophenol	BQL	10.9	ug/L	U	1
2,4-Dichlorophenol	BQL	10.9	ug/L	U	1
2,4-Dimethylphenol	BQL	10.9	ug/L	U	1
2,4-Dinitrophenol	BQL	21.7	ug/L	U	1
2,4-Dinitrotoluene	4.74	10.9	ug/L	J	1
2,6-Dinitrotoluene	BQL	10.9	ug/L	U	1
2-Chloronaphthalene	BQL	10.9	ug/L	U	1
2-Chlorophenol	BQL	10.9	ug/L	U	1
2-Methylnaphthalene	BQL	10.9	ug/L	U	1
2-Nitroaniline	BQL	10.9	ug/L	U	1
2-Nitrophenol	BQL	10.9	ug/L	U	1
2-methylphenol	BQL	10.9	ug/L	U	1
3,3-Dichlorobenzidine	BQL	21.7	ug/L	U	1
3-Nitroaniline	BQL	10.9	ug/L	U	1
4,6-dinitro-2-methyl phenol	BQL	21.7	ug/L	U	1
4-Bromophenyl-phenylether	BQL	10.9	ug/L	U	1
4-Chloroaniline	BQL	10.9	ug/L	U	1
4-Chlorophenyl Phenyl Ether	BQL	10.9	ug/L	U	1
4-Nitroaniline	BQL	10.9	ug/L	U	1
4-Nitrophenol	BQL	21.7	ug/L	U	1
4-chloro-3-methylphenol	BQL	10.9	ug/L	U	1
4-methylphenol	BQL	10.9	ug/L	U	1
Acenaphthene	BQL	10.9	ug/L	U	1
Acenaphthylene	BQL	10.9	ug/L	U	1
Anthracene	BQL	10.9	ug/L	U	1
Benzo(a)anthracene	BQL	10.9	ug/L	U	1
Benzo(a)pyrene	BQL	10.9	ug/L	U	1
Benzo(b)fluoranthene	BQL	10.9	ug/L	U	1
Benzo(g,h,i)perylene	BQL	10.9	ug/L	U	1
Benzo(k)fluoranthene	BQL	10.9	ug/L	U	1
Benzyl Butyl Phthalate	BQL	10.9	ug/L	U	1
Carbazole	BQL	10.9	ug/L	U	1
Chrysene	BQL	10.9	ug/L	U	1

Summary of Analytical Results

Client ID AA3005
GPL ID: 10057-005-04-1/2
Matrix: Water
Date Collected: Oct-11-2000
Date Received: Oct-12-2000

Prep Method: SW3520C
Prep Date: Oct-16-2000
Prep Time: 08:52
Prep Chemist: Veena Telhan

Analytical Method: SW8270CTCL
Date Analyzed: Oct-31-2000
Time Analyzed 08:09
Analyst: Hall Moore

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	10.9	ug/L	U	1
Dibenzofuran	BQL	10.9	ug/L	U	1
Diethyl Phthalate	BQL	10.9	ug/L	U	1
Dimethyl Phthalate	BQL	10.9	ug/L	U	1
Fluoranthene	BQL	10.9	ug/L	U	1
Fluorene	BQL	10.9	ug/L	U	1
Hexachlorobenzene	BQL	10.9	ug/L	U	1
Hexachlorobutadiene	BQL	10.9	ug/L	U	1
Hexachlorocyclopentadiene	BQL	10.9	ug/L	U	1
Hexachloroethane	BQL	10.9	ug/L	U	1
Indeno(1,2,3-c,d)Pyrene	BQL	10.9	ug/L	U	1
Isophorone	BQL	10.9	ug/L	U	1
Naphthalene	BQL	10.9	ug/L	U	1
Nitrobenzene	BQL	10.9	ug/L	U	1
Pentachlorophenol	BQL	21.7	ug/L	U	1
Phenanthrene	BQL	10.9	ug/L	U	1
Phenol	BQL	10.9	ug/L	U	1
Pyrene	BQL	10.9	ug/L	U	1
bis(2-chloroethoxy) methane	BQL	10.9	ug/L	U	1
bis(2-chloroethyl) ether	BQL	10.9	ug/L	U	1
bis(2-ethylhexyl) phthalate	BQL	10.9	ug/L	U	1
di-n-Butyl Phthalate	BQL	10.9	ug/L	U	1
di-n-Octyl Phthalate	BQL	10.9	ug/L	U	1
n-Nitrosodi-n-Propylamine	BQL	10.9	ug/L	U	1
n-Nitrosodiphenylamine	BQL	10.9	ug/L	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AA0480
GPL ID: 10057-002-04-1
Matrix: Soil
Date Collected: Oct-11-2000
Date Received: Oct-12-2000

Prep Method: SW3550
Prep Date: Oct-13-2000
Prep Time: 20:17
Prep Chemist: Abel Moses

Analytical Method: SW8270CTCL
Date Analyzed: Nov-01-2000
Time Analyzed 18:03
Analyst: Hall Moore

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	457	ug/kg	U	1
1,2-Dichlorobenzene	BQL	457	ug/kg	U	1
1,3-Dichlorobenzene	BQL	457	ug/kg	U	1
1,4-Dichlorobenzene	BQL	457	ug/kg	U	1
2,2-Oxybis(1-Chloro)Propane	BQL	457	ug/kg	U	1
2,4,5-Trichlorophenol	BQL	457	ug/kg	U	1
2,4,6-Trichlorophenol	BQL	457	ug/kg	U	1
2,4-Dichlorophenol	BQL	457	ug/kg	U	1
2,4-Dimethylphenol	BQL	457	ug/kg	U	1
2,4-Dinitrophenol	BQL	914	ug/kg	U	1
2,4-Dinitrotoluene	165	457	ug/kg	J	1
2,6-Dinitrotoluene	58.0	457	ug/kg	J	1
2-Chloronaphthalene	BQL	457	ug/kg	U	1
2-Chlorophenol	BQL	457	ug/kg	U	1
2-Methylnaphthalene	BQL	457	ug/kg	U	1
2-Nitroaniline	BQL	457	ug/kg	U	1
2-Nitrophenol	BQL	457	ug/kg	U	1
2-methylphenol	BQL	457	ug/kg	U	1
3,3-Dichlorobenzidine	BQL	914	ug/kg	U	1
3-Nitroaniline	BQL	457	ug/kg	U	1
4,6-dinitro-2-methyl phenol	BQL	914	ug/kg	U	1
4-Bromophenyl-phenylether	BQL	457	ug/kg	U	1
4-Chloroaniline	BQL	457	ug/kg	U	1
4-Chlorophenyl Phenyl Ether	BQL	457	ug/kg	U	1
4-Nitroaniline	BQL	457	ug/kg	U	1
4-Nitrophenol	BQL	914	ug/kg	U	1
4-chloro-3-methylphenol	BQL	457	ug/kg	U	1
4-methylphenol	BQL	457	ug/kg	U	1
Acenaphthene	BQL	457	ug/kg	U	1
Acenaphthylene	BQL	457	ug/kg	U	1
Anthracene	BQL	457	ug/kg	U	1
Benzo(a)anthracene	BQL	457	ug/kg	U	1
Benzo(a)pyrene	BQL	457	ug/kg	U	1
Benzo(b)fluoranthene	BQL	457	ug/kg	U	1
Benzo(g,h,i)perylene	BQL	457	ug/kg	U	1
Benzo(k)fluoranthene	BQL	457	ug/kg	U	1
Benzyl Butyl Phthalate	BQL	457	ug/kg	U	1
Carbazole	BQL	457	ug/kg	U	1
Chrysene	BQL	457	ug/kg	U	1

Summary of Analytical Results

Client ID AA0480
GPL ID: 10057-002-04-1
Matrix: Soil
Date Collected: Oct-11-2000
Date Received: Oct-12-2000

Prep Method: SW3550
Prep Date: Oct-13-2000
Prep Time: 20:17
Prep Chemist: Abel Moses

Analytical Method: SW8270CTCL
Date Analyzed: Nov-01-2000
Time Analyzed 18:03
Analyst: Hall Moore

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	457	ug/kg	U	1
Dibenzofuran	BQL	457	ug/kg	U	1
Diethyl Phthalate	BQL	457	ug/kg	U	1
Dimethyl Phthalate	BQL	457	ug/kg	U	1
Fluoranthene	BQL	457	ug/kg	U	1
Fluorene	BQL	457	ug/kg	U	1
Hexachlorobenzene	BQL	457	ug/kg	U	1
Hexachlorobutadiene	BQL	457	ug/kg	U	1
Hexachlorocyclopentadiene	BQL	457	ug/kg	U	1
Hexachloroethane	BQL	457	ug/kg	U	1
Indeno(1,2,3-c,d)Pyrene	BQL	457	ug/kg	U	1
Isophorone	BQL	457	ug/kg	U	1
Naphthalene	BQL	457	ug/kg	U	1
Nitrobenzene	BQL	457	ug/kg	U	1
Pentachlorophenol	BQL	914	ug/kg	U	1
Phenanthrene	BQL	457	ug/kg	U	1
Phenol	BQL	457	ug/kg	U	1
Pyrene	BQL	457	ug/kg	U	1
bis(2-chloroethoxy) methane	BQL	457	ug/kg	U	1
bis(2-chloroethyl) ether	BQL	457	ug/kg	U	1
bis(2-ethylhexyl) phthalate	24.2	457	ug/kg	J	1
di-n-Butyl Phthalate	BQL	457	ug/kg	U	1
di-n-Octyl Phthalate	BQL	457	ug/kg	U	1
n-Nitrosodi-n-Propylamine	BQL	457	ug/kg	U	1
n-Nitrosodiphenylamine	BQL	457	ug/kg	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AA0481
GPL ID: 10057-003-04-1
Matrix: Soil
Date Collected: Oct-11-2000
Date Received: Oct-12-2000

Prep Method: SW3550
Prep Date: Oct-13-2000
Prep Time: 20:17
Prep Chemist: Abel Moses

Analytical Method: SW8270CTCL
Date Analyzed: Nov-02-2000
Time Analyzed 12:15
Analyst: Hall Moore

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	366	ug/kg	U	1
1,2-Dichlorobenzene	BQL	366	ug/kg	U	1
1,3-Dichlorobenzene	BQL	366	ug/kg	U	1
1,4-Dichlorobenzene	BQL	366	ug/kg	U	1
2,2-Oxybis(1-Chloro)Propane	BQL	366	ug/kg	U	1
2,4,5-Trichlorophenol	BQL	366	ug/kg	U	1
2,4,6-Trichlorophenol	BQL	366	ug/kg	U	1
2,4-Dichlorophenol	BQL	366	ug/kg	U	1
2,4-Dimethylphenol	BQL	366	ug/kg	U	1
2,4-Dinitrophenol	BQL	733	ug/kg	U	1
2,4-Dinitrotoluene	BQL	366	ug/kg	U	1
2,6-Dinitrotoluene	BQL	366	ug/kg	U	1
2-Chloronaphthalene	BQL	366	ug/kg	U	1
2-Chlorophenol	BQL	366	ug/kg	U	1
2-Methylnaphthalene	BQL	366	ug/kg	U	1
2-Nitroaniline	BQL	366	ug/kg	U	1
2-Nitrophenol	BQL	366	ug/kg	U	1
2-methylphenol	BQL	366	ug/kg	U	1
3,3-Dichlorobenzidine	BQL	733	ug/kg	U	1
3-Nitroaniline	BQL	366	ug/kg	U	1
4,6-dinitro-2-methyl phenol	BQL	733	ug/kg	U	1
4-Bromophenyl-phenylether	BQL	366	ug/kg	U	1
4-Chloroaniline	BQL	366	ug/kg	U	1
4-Chlorophenyl Phenyl Ether	BQL	366	ug/kg	U	1
4-Nitroaniline	BQL	366	ug/kg	U	1
4-Nitrophenol	BQL	733	ug/kg	U	1
4-chloro-3-methylphenol	BQL	366	ug/kg	U	1
4-methylphenol	BQL	366	ug/kg	U	1
Acenaphthene	BQL	366	ug/kg	U	1
Acenaphthylene	BQL	366	ug/kg	U	1
Anthracene	BQL	366	ug/kg	U	1
Benzo(a)anthracene	BQL	366	ug/kg	U	1
Benzo(a)pyrene	BQL	366	ug/kg	U	1
Benzo(b)fluoranthene	BQL	366	ug/kg	U	1
Benzo(g,h,i)perylene	BQL	366	ug/kg	U	1
Benzo(k)fluoranthene	BQL	366	ug/kg	U	1
Benzyl Butyl Phthalate	BQL	366	ug/kg	U	1
Carbazole	BQL	366	ug/kg	U	1
Chrysene	BQL	366	ug/kg	U	1

Summary of Analytical Results

Client ID AA0481
GPL ID: 10057-003-04-1
Matrix: Soil
Date Collected: Oct-11-2000
Date Received: Oct-12-2000

Prep Method: SW3550
Prep Date: Oct-13-2000
Prep Time: 20:17
Prep Chemist: Abel Moses

Analytical Method: SW8270CTCL
Date Analyzed: Nov-02-2000
Time Analyzed 12:15
Analyst: Hall Moore

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	366	ug/kg	U	1
Dibenzofuran	BQL	366	ug/kg	U	1
Diethyl Phthalate	BQL	366	ug/kg	U	1
Dimethyl Phthalate	BQL	366	ug/kg	U	1
Fluoranthene	BQL	366	ug/kg	U	1
Fluorene	BQL	366	ug/kg	U	1
Hexachlorobenzene	BQL	366	ug/kg	U	1
Hexachlorobutadiene	BQL	366	ug/kg	U	1
Hexachlorocyclopentadiene	BQL	366	ug/kg	U	1
Hexachloroethane	BQL	366	ug/kg	U	1
Indeno(1,2,3-c,d)Pyrene	BQL	366	ug/kg	U	1
Isophorone	BQL	366	ug/kg	U	1
Naphthalene	BQL	366	ug/kg	U	1
Nitrobenzene	BQL	366	ug/kg	U	1
Pentachlorophenol	BQL	733	ug/kg	U	1
Phenanthrene	BQL	366	ug/kg	U	1
Phenol	BQL	366	ug/kg	U	1
Pyrene	BQL	366	ug/kg	U	1
bis(2-chloroethoxy) methane	BQL	366	ug/kg	U	1
bis(2-chloroethyl) ether	BQL	366	ug/kg	U	1
bis(2-ethylhexyl) phthalate	35.5	366	ug/kg	J	1
di-n-Butyl Phthalate	BQL	366	ug/kg	U	1
di-n-Octyl Phthalate	BQL	366	ug/kg	U	1
n-Nitrosodi-n-Propylamine	BQL	366	ug/kg	U	1
n-Nitrosodiphenylamine	BQL	366	ug/kg	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB0443
GPL ID: 10057-006-04-1
Matrix: Soil
Date Collected: Oct-11-2000
Date Received: Oct-12-2000

Prep Method: SW3550
Prep Date: Oct-13-2000
Prep Time: 20:17
Prep Chemist: Abel Moses

Analytical Method: SW8270CTCL
Date Analyzed: Nov-01-2000
Time Analyzed 15:40
Analyst: Hall Moore

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	372	ug/kg	U	1
1,2-Dichlorobenzene	BQL	372	ug/kg	U	1
1,3-Dichlorobenzene	BQL	372	ug/kg	U	1
1,4-Dichlorobenzene	BQL	372	ug/kg	U	1
2,2-Oxybis(1-Chloro)Propane	BQL	372	ug/kg	U	1
2,4,5-Trichlorophenol	BQL	372	ug/kg	U	1
2,4,6-Trichlorophenol	BQL	372	ug/kg	U	1
2,4-Dichlorophenol	BQL	372	ug/kg	U	1
2,4-Dimethylphenol	BQL	372	ug/kg	U	1
2,4-Dinitrophenol	BQL	744	ug/kg	U	1
2,4-Dinitrotoluene	91.6	372	ug/kg	J	1
2,6-Dinitrotoluene	BQL	372	ug/kg	U	1
2-Chloronaphthalene	BQL	372	ug/kg	U	1
2-Chlorophenol	BQL	372	ug/kg	U	1
2-Methylnaphthalene	BQL	372	ug/kg	U	1
2-Nitroaniline	BQL	372	ug/kg	U	1
2-Nitrophenol	BQL	372	ug/kg	U	1
2-methylphenol	BQL	372	ug/kg	U	1
3,3-Dichlorobenzidine	BQL	744	ug/kg	U	1
3-Nitroaniline	BQL	372	ug/kg	U	1
4,6-dinitro-2-methyl phenol	BQL	744	ug/kg	U	1
4-Bromophenyl-phenylether	BQL	372	ug/kg	U	1
4-Chloroaniline	BQL	372	ug/kg	U	1
4-Chlorophenyl Phenyl Ether	BQL	372	ug/kg	U	1
4-Nitroaniline	BQL	372	ug/kg	U	1
4-Nitrophenol	BQL	744	ug/kg	U	1
4-chloro-3-methylphenol	BQL	372	ug/kg	U	1
4-methylphenol	BQL	372	ug/kg	U	1
Acenaphthene	BQL	372	ug/kg	U	1
Acenaphthylene	BQL	372	ug/kg	U	1
Anthracene	BQL	372	ug/kg	U	1
Benzo(a)anthracene	BQL	372	ug/kg	U	1
Benzo(a)pyrene	BQL	372	ug/kg	U	1
Benzo(b)fluoranthene	BQL	372	ug/kg	U	1
Benzo(g,h,i)perylene	BQL	372	ug/kg	U	1
Benzo(k)fluoranthene	BQL	372	ug/kg	U	1
Benzyl Butyl Phthalate	BQL	372	ug/kg	U	1
Carbazole	BQL	372	ug/kg	U	1
Chrysene	BQL	372	ug/kg	U	1

Summary of Analytical Results

Client ID AB0443
GPL ID: 10057-006-04-1
Matrix: Soil
Date Collected: Oct-11-2000
Date Received: Oct-12-2000

Prep Method: SW3550
Prep Date: Oct-13-2000
Prep Time: 20:17
Prep Chemist: Abel Moses

Analytical Method: SW8270CTCL
Date Analyzed: Nov-01-2000
Time Analyzed 15:40
Analyst: Hall Moore

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	372	ug/kg	U	1
Dibenzofuran	BQL	372	ug/kg	U	1
Diethyl Phthalate	BQL	372	ug/kg	U	1
Dimethyl Phthalate	BQL	372	ug/kg	U	1
Fluoranthene	BQL	372	ug/kg	U	1
Fluorene	BQL	372	ug/kg	U	1
Hexachlorobenzene	BQL	372	ug/kg	U	1
Hexachlorobutadiene	BQL	372	ug/kg	U	1
Hexachlorocyclopentadiene	BQL	372	ug/kg	U	1
Hexachloroethane	BQL	372	ug/kg	U	1
Indeno(1,2,3-c,d)Pyrene	BQL	372	ug/kg	U	1
Isophorone	BQL	372	ug/kg	U	1
Naphthalene	BQL	372	ug/kg	U	1
Nitrobenzene	BQL	372	ug/kg	U	1
Pentachlorophenol	BQL	744	ug/kg	U	1
Phenanthrene	BQL	372	ug/kg	U	1
Phenol	BQL	372	ug/kg	U	1
Pyrene	BQL	372	ug/kg	U	1
bis(2-chloroethoxy) methane	BQL	372	ug/kg	U	1
bis(2-chloroethyl) ether	BQL	372	ug/kg	U	1
bis(2-ethylhexyl) phthalate	40.9	372	ug/kg	J	1
di-n-Butyl Phthalate	BQL	372	ug/kg	U	1
di-n-Octyl Phthalate	BQL	372	ug/kg	U	1
n-Nitrosodi-n-Propylamine	BQL	372	ug/kg	U	1
n-Nitrosodiphenylamine	BQL	372	ug/kg	U	1

Summary of Analytical Results

Client ID AB0444
GPL ID: 10057-007-04-1
Matrix: Soil
Date Collected: Oct-11-2000
Date Received: Oct-12-2000

Prep Method: SW3550
Prep Date: Oct-13-2000
Prep Time: 20:17
Prep Chemist: Abel Moses

Analytical Method: SW8270CTCL
Date Analyzed: Nov-01-2000
Time Analyzed 18:49
Analyst: Hall Moore

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	402	ug/kg	U	1
1,2-Dichlorobenzene	BQL	402	ug/kg	U	1
1,3-Dichlorobenzene	BQL	402	ug/kg	U	1
1,4-Dichlorobenzene	BQL	402	ug/kg	U	1
2,2-Oxybis(1-Chloro)Propane	BQL	402	ug/kg	U	1
2,4,5-Trichlorophenol	BQL	402	ug/kg	U	1
2,4,6-Trichlorophenol	BQL	402	ug/kg	U	1
2,4-Dichlorophenol	BQL	402	ug/kg	U	1
2,4-Dimethylphenol	BQL	402	ug/kg	U	1
2,4-Dinitrophenol	BQL	805	ug/kg	U	1
2,4-Dinitrotoluene	BQL	402	ug/kg	U	1
2,6-Dinitrotoluene	BQL	402	ug/kg	U	1
2-Chloronaphthalene	BQL	402	ug/kg	U	1
2-Chlorophenol	BQL	402	ug/kg	U	1
2-Methylnaphthalene	BQL	402	ug/kg	U	1
2-Nitroaniline	BQL	402	ug/kg	U	1
2-Nitrophenol	BQL	402	ug/kg	U	1
2-methylphenol	BQL	402	ug/kg	U	1
3,3-Dichlorobenzidine	BQL	805	ug/kg	U	1
3-Nitroaniline	BQL	402	ug/kg	U	1
4,6-dinitro-2-methyl phenol	BQL	805	ug/kg	U	1
4-Bromophenyl-phenylether	BQL	402	ug/kg	U	1
4-Chloroaniline	BQL	402	ug/kg	U	1
4-Chlorophenyl Phenyl Ether	BQL	402	ug/kg	U	1
4-Nitroaniline	BQL	402	ug/kg	U	1
4-Nitrophenol	BQL	805	ug/kg	U	1
4-chloro-3-methylphenol	BQL	402	ug/kg	U	1
4-methylphenol	BQL	402	ug/kg	U	1
Acenaphthene	BQL	402	ug/kg	U	1
Acenaphthylene	BQL	402	ug/kg	U	1
Anthracene	BQL	402	ug/kg	U	1
Benzo(a)anthracene	64.8	402	ug/kg	J	1
Benzo(a)pyrene	59.6	402	ug/kg	J	1
Benzo(b)fluoranthene	102	402	ug/kg	J	1
Benzo(g,h,i)perylene	BQL	402	ug/kg	U	1
Benzo(k)fluoranthene	BQL	402	ug/kg	U	1
Benzyl Butyl Phthalate	BQL	402	ug/kg	U	1
Carbazole	BQL	402	ug/kg	U	1
Chrysene	65.6	402	ug/kg	J	1

Summary of Analytical Results

Client ID AB0444
GPL ID: 10057-007-04-1
Matrix: Soil
Date Collected: Oct-11-2000
Date Received: Oct-12-2000

Prep Method: SW3550
Prep Date: Oct-13-2000
Prep Time: 20:17
Prep Chemist: Abel Moses

Analytical Method: SW8270CTCL
Date Analyzed: Nov-01-2000
Time Analyzed 18:49
Analyst: Hall Moore

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	402	ug/kg	U	1
Dibenzofuran	BQL	402	ug/kg	U	1
Diethyl Phthalate	BQL	402	ug/kg	U	1
Dimethyl Phthalate	BQL	402	ug/kg	U	1
Fluoranthene	110	402	ug/kg	J	1
Fluorene	BQL	402	ug/kg	U	1
Hexachlorobenzene	BQL	402	ug/kg	U	1
Hexachlorobutadiene	BQL	402	ug/kg	U	1
Hexachlorocyclopentadiene	BQL	402	ug/kg	U	1
Hexachloroethane	BQL	402	ug/kg	U	1
Indeno(1,2,3-c,d)Pyrene	BQL	402	ug/kg	U	1
Isophorone	BQL	402	ug/kg	U	1
Naphthalene	BQL	402	ug/kg	U	1
Nitrobenzene	BQL	402	ug/kg	U	1
Pentachlorophenol	BQL	805	ug/kg	U	1
Phenanthrene	BQL	402	ug/kg	U	1
Phenol	BQL	402	ug/kg	U	1
Pyrene	87.3	402	ug/kg	J	1
bis(2-chloroethoxy) methane	BQL	402	ug/kg	U	1
bis(2-chloroethyl) ether	BQL	402	ug/kg	U	1
bis(2-ethylhexyl) phthalate	30.2	402	ug/kg	J	1
di-n-Butyl Phthalate	BQL	402	ug/kg	U	1
di-n-Octyl Phthalate	BQL	402	ug/kg	U	1
n-Nitrosodi-n-Propylamine	BQL	402	ug/kg	U	1
n-Nitrosodiphenylamine	BQL	402	ug/kg	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB0445DL
GPL ID: 10057-008-04-1
Matrix: Soil
Date Collected: Oct-11-2000
Date Received: Oct-12-2000

Prep Method: SW3550
Prep Date: Oct-13-2000
Prep Time: 20:17
Prep Chemist: Abel Moses

Analytical Method: SW8270CTCL
Date Analyzed: Nov-01-2000
Time Analyzed 21:07
Analyst: Hall Moore

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	4090	ug/kg	U	10
1,2-Dichlorobenzene	BQL	4090	ug/kg	U	10
1,3-Dichlorobenzene	BQL	4090	ug/kg	U	10
1,4-Dichlorobenzene	BQL	4090	ug/kg	U	10
2,2-Oxybis(1-Chloro)Propane	BQL	4090	ug/kg	U	10
2,4,5-Trichlorophenol	BQL	4090	ug/kg	U	10
2,4,6-Trichlorophenol	BQL	4090	ug/kg	U	10
2,4-Dichlorophenol	BQL	4090	ug/kg	U	10
2,4-Dimethylphenol	BQL	4090	ug/kg	U	10
2,4-Dinitrophenol	BQL	8180	ug/kg	U	10
2,4-Dinitrotoluene	2410	4090	ug/kg	J	10
2,6-Dinitrotoluene	BQL	4090	ug/kg	U	10
2-Chloronaphthalene	BQL	4090	ug/kg	U	10
2-Chlorophenol	BQL	4090	ug/kg	U	10
2-Methylnaphthalene	BQL	4090	ug/kg	U	10
2-Nitroaniline	BQL	4090	ug/kg	U	10
2-Nitrophenol	BQL	4090	ug/kg	U	10
2-methylphenol	BQL	4090	ug/kg	U	10
3,3-Dichlorobenzidine	BQL	8180	ug/kg	U	10
3-Nitroaniline	BQL	4090	ug/kg	U	10
4,6-dinitro-2-methyl phenol	BQL	8180	ug/kg	U	10
4-Bromophenyl-phenylether	BQL	4090	ug/kg	U	10
4-Chloroaniline	BQL	4090	ug/kg	U	10
4-Chlorophenyl Phenyl Ether	BQL	4090	ug/kg	U	10
4-Nitroaniline	BQL	4090	ug/kg	U	10
4-Nitrophenol	BQL	8180	ug/kg	U	10
4-chloro-3-methylphenol	BQL	4090	ug/kg	U	10
4-methylphenol	BQL	4090	ug/kg	U	10
Acenaphthene	BQL	4090	ug/kg	U	10
Acenaphthylene	BQL	4090	ug/kg	U	10
Anthracene	BQL	4090	ug/kg	U	10
Benzo(a)anthracene	1000	4090	ug/kg	J	10
Benzo(a)pyrene	704	4090	ug/kg	J	10
Benzo(b)fluoranthene	929	4090	ug/kg	J	10
Benzo(g,h,i)perylene	BQL	4090	ug/kg	U	10
Benzo(k)fluoranthene	BQL	4090	ug/kg	U	10
Benzyl Butyl Phthalate	BQL	4090	ug/kg	U	10
Carbazole	BQL	4090	ug/kg	U	10
Chrysene	831	4090	ug/kg	J	10

Summary of Analytical Results

Client ID AB0445DL
GPL ID: 10057-008-04-1
Matrix: Soil
Date Collected: Oct-11-2000
Date Received: Oct-12-2000

Prep Method: SW3550
Prep Date: Oct-13-2000
Prep Time: 20:17
Prep Chemist: Abel Moses

Analytical Method: SW8270CTCL
Date Analyzed: Nov-01-2000
Time Analyzed 21:07
Analyst: Hall Moore

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	4090	ug/kg	U	10
Dibenzofuran	BQL	4090	ug/kg	U	10
Diethyl Phthalate	BQL	4090	ug/kg	U	10
Dimethyl Phthalate	BQL	4090	ug/kg	U	10
Fluoranthene	2050	4090	ug/kg	J	10
Fluorene	BQL	4090	ug/kg	U	10
Hexachlorobenzene	BQL	4090	ug/kg	U	10
Hexachlorobutadiene	BQL	4090	ug/kg	U	10
Hexachlorocyclopentadiene	BQL	4090	ug/kg	U	10
Hexachloroethane	BQL	4090	ug/kg	U	10
Indeno(1,2,3-c,d)Pyrene	BQL	4090	ug/kg	U	10
Isophorone	BQL	4090	ug/kg	U	10
Naphthalene	BQL	4090	ug/kg	U	10
Nitrobenzene	BQL	4090	ug/kg	U	10
Pentachlorophenol	BQL	8180	ug/kg	U	10
Phenanthrene	1350	4090	ug/kg	J	10
Phenol	BQL	4090	ug/kg	U	10
Pyrene	1540	4090	ug/kg	J	10
bis(2-chloroethoxy) methane	BQL	4090	ug/kg	U	10
bis(2-chloroethyl) ether	BQL	4090	ug/kg	U	10
bis(2-ethylhexyl) phthalate	BQL	4090	ug/kg	U	10
di-n-Butyl Phthalate	BQL	4090	ug/kg	U	10
di-n-Octyl Phthalate	BQL	4090	ug/kg	U	10
n-Nitrosodi-n-Propylamine	BQL	4090	ug/kg	U	10
n-Nitrosodiphenylamine	BQL	4090	ug/kg	U	10

Summary of Analytical Results

Client ID AB0446DL
GPL ID: 10057-009-04-1
Matrix: Soil
Date Collected: Oct-11-2000
Date Received: Oct-12-2000

Prep Method: SW3550
Prep Date: Oct-13-2000
Prep Time: 20:17
Prep Chemist: Abel Moses

Analytical Method: SW8270CTCL
Date Analyzed: Nov-01-2000
Time Analyzed 21:54
Analyst: Hall Moore

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	3780	ug/kg	U	10
1,2-Dichlorobenzene	BQL	3780	ug/kg	U	10
1,3-Dichlorobenzene	BQL	3780	ug/kg	U	10
1,4-Dichlorobenzene	BQL	3780	ug/kg	U	10
2,2-Oxybis(1-Chloro)Propane	BQL	3780	ug/kg	U	10
2,4,5-Trichlorophenol	BQL	3780	ug/kg	U	10
2,4,6-Trichlorophenol	BQL	3780	ug/kg	U	10
2,4-Dichlorophenol	BQL	3780	ug/kg	U	10
2,4-Dimethylphenol	BQL	3780	ug/kg	U	10
2,4-Dinitrophenol	BQL	7550	ug/kg	U	10
2,4-Dinitrotoluene	1640	3780	ug/kg	J	10
2,6-Dinitrotoluene	BQL	3780	ug/kg	U	10
2-Chloronaphthalene	BQL	3780	ug/kg	U	10
2-Chlorophenol	BQL	3780	ug/kg	U	10
2-Methylnaphthalene	BQL	3780	ug/kg	U	10
2-Nitroaniline	BQL	3780	ug/kg	U	10
2-Nitrophenol	BQL	3780	ug/kg	U	10
2-methylphenol	BQL	3780	ug/kg	U	10
3,3-Dichlorobenzidine	BQL	7550	ug/kg	U	10
3-Nitroaniline	BQL	3780	ug/kg	U	10
4,6-dinitro-2-methyl phenol	BQL	7550	ug/kg	U	10
4-Bromophenyl-phenylether	BQL	3780	ug/kg	U	10
4-Chloroaniline	BQL	3780	ug/kg	U	10
4-Chlorophenyl Phenyl Ether	BQL	3780	ug/kg	U	10
4-Nitroaniline	BQL	3780	ug/kg	U	10
4-Nitrophenol	BQL	7550	ug/kg	U	10
4-chloro-3-methylphenol	BQL	3780	ug/kg	U	10
4-methylphenol	BQL	3780	ug/kg	U	10
Acenaphthene	BQL	3780	ug/kg	U	10
Acenaphthylene	BQL	3780	ug/kg	U	10
Anthracene	4140	3780	ug/kg		10
Benzo(a)anthracene	11100	3780	ug/kg		10
Benzo(a)pyrene	8200	3780	ug/kg		10
Benzo(b)fluoranthene	10200	3780	ug/kg		10
Benzo(g,h,i)perylene	3400	3780	ug/kg	J	10
Benzo(k)fluoranthene	4380	3780	ug/kg		10
Benzyl Butyl Phthalate	BQL	3780	ug/kg	U	10
Carbazole	BQL	3780	ug/kg	U	10
Chrysene	8740	3780	ug/kg		10

Summary of Analytical Results

Client ID AB0446DL
GPL ID: 10057-009-04-1
Matrix: Soil
Date Collected: Oct-11-2000
Date Received: Oct-12-2000

Prep Method: SW3550
Prep Date: Oct-13-2000
Prep Time: 20:17
Prep Chemist: Abel Moses

Analytical Method: SW8270CTCL
Date Analyzed: Nov-01-2000
Time Analyzed 21:54
Analyst: Hall Moore

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	1400	3780	ug/kg	J	10
Dibenzofuran	BQL	3780	ug/kg	U	10
Diethyl Phthalate	BQL	3780	ug/kg	U	10
Dimethyl Phthalate	BQL	3780	ug/kg	U	10
Fluoranthene	20300	3780	ug/kg		10
Fluorene	BQL	3780	ug/kg	U	10
Hexachlorobenzene	BQL	3780	ug/kg	U	10
Hexachlorobutadiene	BQL	3780	ug/kg	U	10
Hexachlorocyclopentadiene	BQL	3780	ug/kg	U	10
Hexachloroethane	BQL	3780	ug/kg	U	10
Indeno(1,2,3-c,d)Pyrene	3640	3780	ug/kg	J	10
Isophorone	BQL	3780	ug/kg	U	10
Naphthalene	BQL	3780	ug/kg	U	10
Nitrobenzene	BQL	3780	ug/kg	U	10
Pentachlorophenol	BQL	7550	ug/kg	U	10
Phenanthrene	5210	3780	ug/kg		10
Phenol	BQL	3780	ug/kg	U	10
Pyrene	17100	3780	ug/kg		10
bis(2-chloroethoxy) methane	BQL	3780	ug/kg	U	10
bis(2-chloroethyl) ether	BQL	3780	ug/kg	U	10
bis(2-ethylhexyl) phthalate	BQL	3780	ug/kg	U	10
di-n-Butyl Phthalate	BQL	3780	ug/kg	U	10
di-n-Octyl Phthalate	BQL	3780	ug/kg	U	10
n-Nitrosodi-n-Propylamine	BQL	3780	ug/kg	U	10
n-Nitrosodiphenylamine	BQL	3780	ug/kg	U	10

Summary of Analytical Results

Client ID AB0448DL
GPL ID: 10057-010-04-1
Matrix: Soil
Date Collected: Oct-11-2000
Date Received: Oct-12-2000

Prep Method: SW3550
Prep Date: Oct-13-2000
Prep Time: 20:17
Prep Chemist: Abel Moses

Analytical Method: SW8270CTCL
Date Analyzed: Nov-01-2000
Time Analyzed 20:21
Analyst: Hall Moore

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	3850	ug/kg	U	10
1,2-Dichlorobenzene	BQL	3850	ug/kg	U	10
1,3-Dichlorobenzene	BQL	3850	ug/kg	U	10
1,4-Dichlorobenzene	BQL	3850	ug/kg	U	10
2,2-Oxybis(1-Chloro)Propane	BQL	3850	ug/kg	U	10
2,4,5-Trichlorophenol	BQL	3850	ug/kg	U	10
2,4,6-Trichlorophenol	BQL	3850	ug/kg	U	10
2,4-Dichlorophenol	BQL	3850	ug/kg	U	10
2,4-Dimethylphenol	BQL	3850	ug/kg	U	10
2,4-Dinitrophenol	BQL	7700	ug/kg	U	10
2,4-Dinitrotoluene	5680	3850	ug/kg		10
2,6-Dinitrotoluene	10700	3850	ug/kg		10
2-Chloronaphthalene	BQL	3850	ug/kg	U	10
2-Chlorophenol	BQL	3850	ug/kg	U	10
2-Methylnaphthalene	BQL	3850	ug/kg	U	10
2-Nitroaniline	BQL	3850	ug/kg	U	10
2-Nitrophenol	BQL	3850	ug/kg	U	10
2-methylphenol	BQL	3850	ug/kg	U	10
3,3-Dichlorobenzidine	BQL	7700	ug/kg	U	10
3-Nitroaniline	BQL	3850	ug/kg	U	10
4,6-dinitro-2-methyl phenol	BQL	7700	ug/kg	U	10
4-Bromophenyl-phenylether	BQL	3850	ug/kg	U	10
4-Chloroaniline	BQL	3850	ug/kg	U	10
4-Chlorophenyl Phenyl Ether	BQL	3850	ug/kg	U	10
4-Nitroaniline	BQL	3850	ug/kg	U	10
4-Nitrophenol	BQL	7700	ug/kg	U	10
4-chloro-3-methylphenol	BQL	3850	ug/kg	U	10
4-methylphenol	BQL	3850	ug/kg	U	10
Acenaphthene	BQL	3850	ug/kg	U	10
Acenaphthylene	BQL	3850	ug/kg	U	10
Anthracene	BQL	3850	ug/kg	U	10
Benzo(a)anthracene	BQL	3850	ug/kg	U	10
Benzo(a)pyrene	BQL	3850	ug/kg	U	10
Benzo(b)fluoranthene	BQL	3850	ug/kg	U	10
Benzo(g,h,i)perylene	BQL	3850	ug/kg	U	10
Benzo(k)fluoranthene	BQL	3850	ug/kg	U	10
Benzyl Butyl Phthalate	BQL	3850	ug/kg	U	10
Carbazole	BQL	3850	ug/kg	U	10
Chrysene	BQL	3850	ug/kg	U	10

Summary of Analytical Results

Client ID AB0448DL
GPL ID: 10057-010-04-1
Matrix: Soil
Date Collected: Oct-11-2000
Date Received: Oct-12-2000

Prep Method: SW3550
Prep Date: Oct-13-2000
Prep Time: 20:17
Prep Chemist: Abel Moses

Analytical Method: SW8270CTCL
Date Analyzed: Nov-01-2000
Time Analyzed 20:21
Analyst: Hall Moore

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	3850	ug/kg	U	10
Dibenzofuran	BQL	3850	ug/kg	U	10
Diethyl Phthalate	BQL	3850	ug/kg	U	10
Dimethyl Phthalate	BQL	3850	ug/kg	U	10
Fluoranthene	BQL	3850	ug/kg	U	10
Fluorene	BQL	3850	ug/kg	U	10
Hexachlorobenzene	BQL	3850	ug/kg	U	10
Hexachlorobutadiene	BQL	3850	ug/kg	U	10
Hexachlorocyclopentadiene	BQL	3850	ug/kg	U	10
Hexachloroethane	BQL	3850	ug/kg	U	10
Indeno(1,2,3-c,d)Pyrene	BQL	3850	ug/kg	U	10
Isophorone	BQL	3850	ug/kg	U	10
Naphthalene	BQL	3850	ug/kg	U	10
Nitrobenzene	BQL	3850	ug/kg	U	10
Pentachlorophenol	BQL	7700	ug/kg	U	10
Phenanthrene	BQL	3850	ug/kg	U	10
Phenol	BQL	3850	ug/kg	U	10
Pyrene	BQL	3850	ug/kg	U	10
bis(2-chloroethoxy) methane	BQL	3850	ug/kg	U	10
bis(2-chloroethyl) ether	BQL	3850	ug/kg	U	10
bis(2-ethylhexyl) phthalate	BQL	3850	ug/kg	U	10
di-n-Butyl Phthalate	BQL	3850	ug/kg	U	10
di-n-Octyl Phthalate	BQL	3850	ug/kg	U	10
n-Nitrosodi-n-Propylamine	BQL	3850	ug/kg	U	10
n-Nitrosodiphenylamine	BQL	3850	ug/kg	U	10

2C
WATER SEMIVOLATILE SURROGATE RECOVERY

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBROOK

Lab Code: GPL Case No.: N/A SAS No.: N/A SDG No.: N/A

	CLIENT SAMPLE NO.	S1 (2FP) #	S2 (PHL) #	S3 (NBZ) #	S4 (FBP) #	S5 (TBP) #	S6 (TPH) #	TOT OUT
01	BLK7375	45	59	61	59	62	76	1
02	BKS7375	46	68	73	66	69	80	1
03	AA3002	43	63	63	61	66	77	1
04	AA3005	42	64	70	64	62	71	1

W 11/9/00

				QC LIMITS
S1	(2FP)	=	2-Fluorophenol	(20-150)
S2	(PHL)	=	Phenol-d5	(30-150)
S3	(NBZ)	=	Nitrobenzene-d5	(20-137)
S4	(FBP)	=	2-Fluorobiphenyl	(23-110)
S5	(TBP)	=	2,4,6-Tribromophenol	(20-150)
S6	(TPH)	=	Terphenyl-d14	(20-138)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogate diluted out

2D
SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBROOK

Lab Code: GPL Case No.: N/A SAS No.: N/A SDG No.: N/A

Level: (low/med) LOW

	CLIENT SAMPLE NO.	S1 (2FP) #	S2 (PHL) #	S3 (NBZ) #	S4 (FBP) #	S5 (TBP) #	S6 (TPH) #	TOT OUT
01	BLK7364	68	78	83	78	55	85	0
02	BKS7364	64	73	84	73	59	86	0
03	AB0443	56	66	68	65	53	70	0
04	AB0443MS	61	72	82	71	59	78	0
05	AB0443MSD	60	71	76	64	60	72	0
06	AA0480	58	68	68	66	58	76	0
07	AB0444	60	69	71	66	58	74	0
08	AB0448DL	68 8*	67 7*	69 7*	69 7*	54 5*	85 8*	0
09	AB0445DL	65 6*	70 7*	74 7*	74 7*	52 5*	92 8*	0
10	AB0446DL	54 5*	60 6*	58 6*	67 7*	40 4*	87 8*	0
11	AA0481	53	61	64	61	45	64	0

W 11/9/00

				QC LIMITS
S1	(2FP)	=	2-Fluorophenol	(52-150)
S2	(PHL)	=	Phenol-d5	(20-150)
S3	(NBZ)	=	Nitrobenzene-d5	(26-150)
S4	(FBP)	=	2-Fluorobiphenyl	(41-128)
S5	(TBP)	=	2,4,6-Tribromophenol	(20-150)
S6	(TPH)	=	Terphenyl-d14	(52-110)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogate diluted out

3C

WATER SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBROOK

Lab Code: GPLL SDG No.: N/A

EPA Sample No.: AB3002DL GPL ID: 10052-007-04-1DL MS / MSD

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC
Phenol	220	0	140	64
2-Chlorophenol	220	0	120	55
1,4-Dichlorobenzene	220	0	130	59
N-Nitroso-di-n-propylamine	220	0	170	77
1,2,4-Trichlorobenzene	220	0	120	55
4-Chloro-3-methylphenol	220	0	120	55
Acenaphthene	220	0	140	64
2,4-Dinitrotoluene	220	4800	4000	0 *
4-Nitrophenol	220	0	71	32
Pentachlorophenol	220	0	21	10 *
Pyrene	220	0	130	59

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS REC LOW	HIGH	RPD
Phenol	220	120	55	15	20	150	40
2-Chlorophenol	220	110	50	10	23	134	40
1,4-Dichlorobenzene	220	120	55	7	20	125	19
N-Nitroso-di-n-propylamine	220	160	73	5	20	150	40
1,2,4-Trichlorobenzene	220	110	50	10	23	114	47
4-Chloro-3-methylphenol	220	120	55	0	26	147	40
Acenaphthene	220	120	55	15	20	116	40
2,4-Dinitrotoluene	220	3600	0 *	0	24	149	40
4-Nitrophenol	220	63	29	10	20	150	36
Pentachlorophenol	220	0	0 *	200 *	20	150	40
Pyrene	220	130	59	0	20	135	40

RPD: 1 out of 17 outside limits
Spike Recovery: 4 out of 34 outside limits

Comments:

0 2005

3D

SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBROOK

Lab Code: GPL Case No.: N/A SAS No.: N/A SDG No.: N/A

Matrix Spike - EPA Sample No.: AB0443 Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC LIMITS REC.
Phenol	3700	0.0	3200	86	75 - 150
2-Chlorophenol	3700	0.0	2700	73	31 - 129
1,4-Dichlorobenzene	3700	0.0	2300	62	25 - 122
N-Nitroso-di-n-propylamine	3700	0.0	3200	86	20 - 150
1,2,4-Trichlorobenzene	3700	0.0	2400	65	51 - 120
4-Chloro-3-methylphenol	3700	0.0	3100	84	34 - 125
Acenaphthene	3700	0.0	2500	68	46 - 135
2,4-Dinitrotoluene	3700	91	2900	76	38 - 137
4-Nitrophenol	3700	0.0	3300	89	20 - 150
Pentachlorophenol	3700	0.0	2400	65	32 - 137
Pyrene	3700	0.0	2800	76	24 - 144

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Phenol	3700	3300	89	3	35	75 - 150
2-Chlorophenol	3700	2700	73	0	50	31 - 129
1,4-Dichlorobenzene	3700	2300	62	0	27	25 - 122
N-Nitroso-di-n-propylamine	3700	3200	86	0	38	20 - 150
1,2,4-Trichlorobenzene	3700	2300	62	5	23	51 - 120
4-Chloro-3-methylphenol	3700	3300	89	6	33	34 - 125
Acenaphthene	3700	2500	68	0	19	46 - 135
2,4-Dinitrotoluene	3700	3100	81	6	47	38 - 137
4-Nitrophenol	3700	3700	100	12	50	20 - 150
Pentachlorophenol	3700	2300	62	5	47	32 - 137
Pyrene	3700	2700	73	4	36	24 - 144

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 11 outside limits

Spike Recovery: 0 out of 22 outside limits

COMMENTS:

3E
WATER LABORATORY CONTROL SPIKE RECOVERY REPORT

Lab Name: GPL LABORATORIES

Contract: IT_PLUMBROOK

Lab Code: GPLL

SDG No.: N/A

EPA Sample No.: BKS7375

GPL ID: BKS7375

Date Extracted: 10/16/2000

Work Order No: 10057

MATRIX: WATER

COMPOUND	SPIKE ADDED (ug/L)	BLANK CONC. (ug/L)	LCS CONC. (ug/L)	LCS % REC	QC LIMITS LOW	QC LIMITS HIGH
Phenol	100	0	85	85	30	100
2-Chlorophenol	100	0	74	74	67	105
1,4-Dichlorobenzene	100	0	64	64	43	101
N-Nitroso-di-n-propylamine	100	0	90	90	43	150
1,2,4-Trichlorobenzene	100	0	63	63	51	100
4-Chloro-3-methylphenol	100	0	85	85	61	125
Acenaphthene	100	0	69	69	35	125
2,4-Dinitrotoluene	100	0	78	78	66	123
4-Nitrophenol	100	0	96	96	20	150
Pentachlorophenol	100	0	77	77	43	150
Pyrene	100	0	77	77	56	116

Spike recovery: 0 of 11 out of QC limits.

* Values outside of QC limits

COMMENTS:

8270C

0 2007

3F

SOIL LABORATORY CONTROL SPIKE RECOVERY REPORT

Lab Name: GPL LABORATORIES

Contract: IT_PLUMBROOK

Lab Code: GPLL

SDG No.: N/A

EPA Sample No.: BKS7364

GPL ID: BKS7364

Date Extracted: 10/13/2000

Work Order No: 10057

MATRIX: SOIL

COMPOUND	SPIKE ADDED (ug/Kg)	BLANK CONC. (ug/Kg)	LCS CONC. (ug/Kg)	LCS % REC	QC LIMITS LOW	QC LIMITS HIGH
Phenol	3300	0	3000	91	47	111
2-Chlorophenol	3300	0	2600	79	52	124
1,4-Dichlorobenzene	3300	0	2200	67	52	112
N-Nitroso-di-n-propylamine	3300	0	3000	91	70	150
1,2,4-Trichlorobenzene	3300	0	2300	70	63	112
4-Chloro-3-methylphenol	3300	0	3000	91	63	125
Acenaphthene	3300	0	2400	73	45	104
2,4-Dinitrotoluene	3300	0	2600	79	56	133
4-Nitrophenol	3300	0	3100	94	44	150
Pentachlorophenol	3300	0	2400	73	27	142
Pyrene	3300	0	2900	88	56	106

Spike recovery: 0 of 11 out of QC limits.

* Values outside of QC limits

COMMENTS:

8270C

0 2008

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

BLK7375

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBRO

Lab Code: GPL Case No.: N/A SAS No.: N/A SDG No.: N/A

Lab File ID: P09551.D Lab Sample ID: BLK7375

Instrument ID: HP#P Date Extracted: 10/16/00

Matrix: (soil/water) WATER Date Analyzed: 10/31/00

Level: (low/med) LOW Time Analyzed: 05:49

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	Client Sample NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	BKS7375	BKS7375	P09552.D	10/31/00
02	AA3002	10057-004-04-1/2	P09553.D	10/31/00
03	AA3005	10057-005-04-1/2	P09554.D	10/31/00

COMMENTS:

0 2009

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

BLK7364

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBRO

Lab Code: GPL Case No.: N/A SAS No.: N/A SDG No.: N/A

Lab File ID: P09586.D Lab Sample ID: BLK7364

Instrument ID: HP#P Date Extracted: 10/13/00

Matrix: (soil/water) SOIL Date Analyzed: 11/01/00

Level: (low/med) LOW Time Analyzed: 14:07

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	Client Sample NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	BKS7364	BKS7364	P09587.D	11/01/00
02	AB0443	10057-006-04-1	P09588.D	11/01/00
03	AB0443MS	10057-006-04-1MS	P09589.D	11/01/00
04	AB0443MSD	10057-006-04-1MSD	P09590.D	11/01/00
05	AA0480	10057-002-04-1	P09591.D	11/01/00
06	AB0444	10057-007-04-1	P09592.D	11/01/00
07	AB0448DL	10057-010-04-1DL	P09594.D	11/01/00
08	AB0445DL	10057-008-04-1DL	P09595.D	11/01/00
09	AB0446DL	10057-009-04-1DL	P09596.D	11/01/00
10	AA0481	10057-003-04-1	P09604.D	11/02/00

COMMENTS:

0 2010

Summary of Analytical Results

Client ID AA0480
GPL ID: 10057-002-04-1
Matrix: Soil
Date Collected: Oct-11-2000
Date Received: Oct-12-2000

Prep Method: EXT_SW8330
Prep Date: Oct-16-2000
Prep Time: 00:00
Prep Chemist: Rekha Patel

Analytical Method: SW8330
Date Analyzed: Nov-01-2000
Time Analyzed 13:25
Analyst: Shukla Sarker

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	BQL	5000	ug/kg	U	50
1,3-Dinitrobenzene	BQL	5000	ug/kg	U	50
2,4,6-Trinitrotoluene	205000	5000	ug/kg		50
2,4-Dinitrotoluene	BQL	5000	ug/kg	U	50
2,6-Dinitrotoluene	BQL	5000	ug/kg	U	50
2-Amino-4,6-Dinitrotoluene	18900	5000	ug/kg		50
4-Amino-2,6-Dinitrotoluene	13600	5000	ug/kg		50
HMX	BQL	10000	ug/kg	U	50
Nitrobenzene	BQL	5000	ug/kg	U	50
RDX	BQL	10000	ug/kg	U	50
Tetryl	BQL	10000	ug/kg	U	50
m-Nitrotoluene	BQL	10000	ug/kg	U	50
o-Nitrotoluene	BQL	10000	ug/kg	U	50
p-Nitrotoluene	BQL	10000	ug/kg	U	50

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AA0480
GPL ID: 10057-002-04-1
Matrix: Soil
Date Collected: Oct-11-2000
Date Received: Oct-12-2000

Prep Method: EXT_SW8330
Prep Date: Oct-16-2000
Prep Time: 00:00
Prep Chemist: Rekha Patel

Analytical Method: SW8330
Date Analyzed: Oct-30-2000
Time Analyzed 13:35
Analyst: Shukla Sarker

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	BQL	100	ug/kg	U	1
1,3-Dinitrobenzene	BQL	100	ug/kg	U	1
2,4,6-Trinitrotoluene	226000	100	ug/kg		1
2,4-Dinitrotoluene	BQL	100	ug/kg	U	1
2,6-Dinitrotoluene	BQL	100	ug/kg	U	1
2-Amino-4,6-Dinitrotoluene	20700	100	ug/kg		1
4-Amino-2,6-Dinitrotoluene	7450	100	ug/kg		1
HMX	BQL	200	ug/kg	U	1
Nitrobenzene	BQL	100	ug/kg	U	1
RDX	BQL	200	ug/kg	U	1
Tetryl	BQL	200	ug/kg	U	1
m-Nitrotoluene	BQL	200	ug/kg	U	1
o-Nitrotoluene	BQL	200	ug/kg	U	1
p-Nitrotoluene	BQL	200	ug/kg	U	1

Summary of Analytical Results

Client ID AA0481
GPL ID: 10057-003-04-1
Matrix: Soil
Date Collected: Oct-11-2000
Date Received: Oct-12-2000

Prep Method: EXT_SW8330
Prep Date: Oct-16-2000
Prep Time: 00:00
Prep Chemist: Rekha Patel

Analytical Method: SW8330
Date Analyzed: Oct-30-2000
Time Analyzed 14:03
Analyst: Shukla Sarker

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	BQL	100	ug/kg	U	1
1,3-Dinitrobenzene	BQL	100	ug/kg	U	1
2,4,6-Trinitrotoluene	704	100	ug/kg		1
2,4-Dinitrotoluene	BQL	100	ug/kg	U	1
2,6-Dinitrotoluene	BQL	100	ug/kg	U	1
2-Amino-4,6-Dinitrotoluene	590	100	ug/kg		1
4-Amino-2,6-Dinitrotoluene	739	100	ug/kg		1
HMX	BQL	200	ug/kg	U	1
Nitrobenzene	BQL	100	ug/kg	U	1
RDX	BQL	200	ug/kg	U	1
Tetryl	BQL	200	ug/kg	U	1
m-Nitrotoluene	BQL	200	ug/kg	U	1
o-Nitrotoluene	BQL	200	ug/kg	U	1
p-Nitrotoluene	BQL	200	ug/kg	U	1

Summary of Analytical Results

Client ID AA3002
GPL ID: 10057-004-07-1/2
Matrix: Water
Date Collected: Oct-11-2000
Date Received: Oct-12-2000

Prep Method: EXT_SW8330
Prep Date: Oct-13-2000
Prep Time: 21:28
Prep Chemist: Saeid Soleimani

Analytical Method: SW8330
Date Analyzed: Nov-05-2000
Time Analyzed 01:05
Analyst: Shukla Sarker

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	0.279	0.26	ug/L		1
1,3-Dinitrobenzene	BQL	0.26	ug/L	U	1
2,4,6-Trinitrotoluene	129	0.26	ug/L		1
2,4-Dinitrotoluene	BQL	0.26	ug/L	U	1
2,6-Dinitrotoluene	BQL	0.26	ug/L	U	1
2-Amino-4,6-Dinitrotoluene	16.1	0.26	ug/L		1
4-Amino-2,6-Dinitrotoluene	28.9	0.26	ug/L		1
HMX	BQL	0.52	ug/L	U	1
Nitrobenzene	BQL	0.26	ug/L	U	1
RDX	BQL	0.52	ug/L	U	1
Tetryl	BQL	0.52	ug/L	U	1
m-Nitrotoluene	BQL	0.52	ug/L	U	1
o-Nitrotoluene	BQL	0.52	ug/L	U	1
p-Nitrotoluene	BQL	0.52	ug/L	U	1

Summary of Analytical Results

Client ID AA3002
GPL ID: 10057-004-07-1/2
Matrix: Water
Date Collected: Oct-11-2000
Date Received: Oct-12-2000

Prep Method: EXT_SW8330
Prep Date: Oct-13-2000
Prep Time: 21:28
Prep Chemist: Saeid Soleimani

Analytical Method: SW8330
Date Analyzed: Nov-10-2000
Time Analyzed 10:52
Analyst: Shukla Sarker

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	BQL	2.6	ug/L	U	10
1,3-Dinitrobenzene	BQL	0.26	ug/L	U	10
2,4,6-Trinitrotoluene	137	2.6	ug/L		10
2,4-Dinitrotoluene	BQL	2.6	ug/L	U	10
2,6-Dinitrotoluene	BQL	2.6	ug/L	U	10
2-Amino-4,6-Dinitrotoluene	16.1	2.6	ug/L		10
4-Amino-2,6-Dinitrotoluene	18.3	2.6	ug/L		10
HMX	BQL	5.2	ug/L	U	10
Nitrobenzene	BQL	2.6	ug/L	U	10
RDX	BQL	5.2	ug/L	U	10
Tetryl	BQL	5.2	ug/L	U	10
m-Nitrotoluene	BQL	5.2	ug/L	U	10
o-Nitrotoluene	BQL	5.2	ug/L	U	10
p-Nitrotoluene	BQL	5.2	ug/L	U	10

Summary of Analytical Results

Client ID AA3005
GPL ID: 10057-005-07-1/2
Matrix: Water
Date Collected: Oct-11-2000
Date Received: Oct-12-2000

Prep Method: EXT_SW8330
Prep Date: Oct-13-2000
Prep Time: 21:28
Prep Chemist: Saeid Soleimani

Analytical Method: SW8330
Date Analyzed: Nov-05-2000
Time Analyzed 01:34
Analyst: Shukla Sarker

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	19.0	0.26	ug/L		1
1,3-Dinitrobenzene	0.529	0.26	ug/L		1
2,4,6-Trinitrotoluene	2840	0.26	ug/L		1
2,4-Dinitrotoluene	BQL	0.26	ug/L	U	1
2,6-Dinitrotoluene	BQL	0.26	ug/L	U	1
2-Amino-4,6-Dinitrotoluene	1240	0.26	ug/L		1
4-Amino-2,6-Dinitrotoluene	667	0.26	ug/L		1
HMX	BQL	0.52	ug/L	U	1
Nitrobenzene	BQL	0.26	ug/L	U	1
RDX	BQL	0.52	ug/L	U	1
Tetryl	BQL	0.52	ug/L	U	1
m-Nitrotoluene	BQL	0.52	ug/L	U	1
o-Nitrotoluene	BQL	0.52	ug/L	U	1
p-Nitrotoluene	BQL	0.52	ug/L	U	1

Summary of Analytical Results

Client ID AA3005
GPL ID: 10057-005-07-1/2
Matrix: Water
Date Collected: Oct-11-2000
Date Received: Oct-12-2000

Prep Method: EXT_SW8330
Prep Date: Oct-13-2000
Prep Time: 21:28
Prep Chemist: Saeid Soleimani

Analytical Method: SW8330
Date Analyzed: Nov-10-2000
Time Analyzed 11:21
Analyst: Shukla Sarker

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	BQL	51.9	ug/L	U	200
1,3-Dinitrobenzene	BQL	51.9	ug/L	U	200
2,4,6-Trinitrotoluene	11500	51.9	ug/L		200
2,4-Dinitrotoluene	BQL	51.9	ug/L	U	200
2,6-Dinitrotoluene	BQL	51.9	ug/L	U	200
2-Amino-4,6-Dinitrotoluene	1890	51.9	ug/L		200
4-Amino-2,6-Dinitrotoluene	931	51.9	ug/L		200
HMX	BQL	104	ug/L	U	200
Nitrobenzene	BQL	51.9	ug/L	U	200
RDX	BQL	104	ug/L	U	200
Tetryl	BQL	104	ug/L	U	200
m-Nitrotoluene	BQL	104	ug/L	U	200
o-Nitrotoluene	BQL	104	ug/L	U	200
p-Nitrotoluene	BQL	104	ug/L	U	200

Summary of Analytical Results

Client ID AB0443
GPL ID: 10057-006-04-1
Matrix: Soil
Date Collected: Oct-11-2000
Date Received: Oct-12-2000

Prep Method: EXT_SW8330
Prep Date: Oct-16-2000
Prep Time: 00:00
Prep Chemist: Rekha Patel

Analytical Method: SW8330
Date Analyzed: Oct-30-2000
Time Analyzed 14:32
Analyst: Shukla Sarker

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	153	100	ug/kg		1
1,3-Dinitrobenzene	BQL	100	ug/kg	U	1
2,4,6-Trinitrotoluene	8070	100	ug/kg		1
2,4-Dinitrotoluene	288	100	ug/kg		1
2,6-Dinitrotoluene	BQL	100	ug/kg	U	1
2-Amino-4,6-Dinitrotoluene	1280	100	ug/kg		1
4-Amino-2,6-Dinitrotoluene	2260	100	ug/kg		1
HMX	BQL	200	ug/kg	U	1
Nitrobenzene	BQL	100	ug/kg	U	1
RDX	BQL	200	ug/kg	U	1
Tetryl	BQL	200	ug/kg	U	1
m-Nitrotoluene	BQL	200	ug/kg	U	1
o-Nitrotoluene	BQL	200	ug/kg	U	1
p-Nitrotoluene	BQL	200	ug/kg	U	1

Summary of Analytical Results

Client ID AB0444
GPL ID: 10057-007-04-1
Matrix: Soil
Date Collected: Oct-11-2000
Date Received: Oct-12-2000

Prep Method: EXT_SW8330
Prep Date: Oct-16-2000
Prep Time: 00:00
Prep Chemist: Rekha Patel

Analytical Method: SW8330
Date Analyzed: Oct-30-2000
Time Analyzed 15:00
Analyst: Shukla Sarker

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	BQL	100	ug/kg	U	1
1,3-Dinitrobenzene	BQL	100	ug/kg	U	1
2,4,6-Trinitrotoluene	634	100	ug/kg		1
2,4-Dinitrotoluene	BQL	100	ug/kg	U	1
2,6-Dinitrotoluene	BQL	100	ug/kg	U	1
2-Amino-4,6-Dinitrotoluene	1240	100	ug/kg		1
4-Amino-2,6-Dinitrotoluene	990	100	ug/kg		1
HMX	BQL	200	ug/kg	U	1
Nitrobenzene	BQL	100	ug/kg	U	1
RDX	BQL	200	ug/kg	U	1
Tetryl	BQL	200	ug/kg	U	1
m-Nitrotoluene	BQL	200	ug/kg	U	1
o-Nitrotoluene	BQL	200	ug/kg	U	1
p-Nitrotoluene	BQL	200	ug/kg	U	1

Summary of Analytical Results

Client ID AB0445
GPL ID: 10057-008-04-1
Matrix: Soil
Date Collected: Oct-11-2000
Date Received: Oct-12-2000

Prep Method: EXT_SW8330
Prep Date: Oct-16-2000
Prep Time: 00:00
Prep Chemist: Rekha Patel

Analytical Method: SW8330
Date Analyzed: Nov-01-2000
Time Analyzed 13:53
Analyst: Shukla Sarker

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	BQL	10000	ug/kg	U	100
1,3-Dinitrobenzene	BQL	10000	ug/kg	U	100
2,4,6-Trinitrotoluene	878000	10000	ug/kg		100
2,4-Dinitrotoluene	BQL	10000	ug/kg	U	100
2,6-Dinitrotoluene	BQL	10000	ug/kg	U	100
2-Amino-4,6-Dinitrotoluene	BQL	10000	ug/kg	U	100
4-Amino-2,6-Dinitrotoluene	BQL	10000	ug/kg	U	100
HMX	BQL	20000	ug/kg	U	100
Nitrobenzene	BQL	10000	ug/kg	U	100
RDX	BQL	20000	ug/kg	U	100
Tetryl	BQL	20000	ug/kg	U	100
m-Nitrotoluene	BQL	20000	ug/kg	U	100
o-Nitrotoluene	BQL	20000	ug/kg	U	100
p-Nitrotoluene	BQL	20000	ug/kg	U	100

Summary of Analytical Results

Client ID AB0445
GPL ID: 10057-008-04-1
Matrix: Soil
Date Collected: Oct-11-2000
Date Received: Oct-12-2000

Prep Method: EXT_SW8330
Prep Date: Oct-16-2000
Prep Time: 00:00
Prep Chemist: Rekha Patel

Analytical Method: SW8330
Date Analyzed: Oct-30-2000
Time Analyzed 15:29
Analyst: Shukla Sarker

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	723	100	ug/kg		1
1,3-Dinitrobenzene	751	100	ug/kg		1
2,4,6-Trinitrotoluene	622000	100	ug/kg		1
2,4-Dinitrotoluene	3700	100	ug/kg		1
2,6-Dinitrotoluene	BQL	100	ug/kg	U	1
2-Amino-4,6-Dinitrotoluene	5140	100	ug/kg		1
4-Amino-2,6-Dinitrotoluene	6620	100	ug/kg		1
HMX	BQL	200	ug/kg	U	1
Nitrobenzene	BQL	100	ug/kg	U	1
RDX	BQL	200	ug/kg	U	1
Tetryl	BQL	200	ug/kg	U	1
m-Nitrotoluene	BQL	200	ug/kg	U	1
o-Nitrotoluene	BQL	200	ug/kg	U	1
p-Nitrotoluene	BQL	200	ug/kg	U	1

Summary of Analytical Results

Client ID AB0446
GPL ID: 10057-009-04-1
Matrix: Soil
Date Collected: Oct-11-2000
Date Received: Oct-12-2000

Prep Method: EXT_SW8330
Prep Date: Oct-16-2000
Prep Time: 00:00
Prep Chemist: Rekha Patel

Analytical Method: SW8330
Date Analyzed: Nov-01-2000
Time Analyzed 14:22
Analyst: Shukla Sarker

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	BQL	5000	ug/kg	U	50
1,3-Dinitrobenzene	BQL	5000	ug/kg	U	50
2,4,6-Trinitrotoluene	251000	5000	ug/kg		50
2,4-Dinitrotoluene	BQL	5000	ug/kg	U	50
2,6-Dinitrotoluene	BQL	5000	ug/kg	U	50
2-Amino-4,6-Dinitrotoluene	BQL	5000	ug/kg	U	50
4-Amino-2,6-Dinitrotoluene	BQL	5000	ug/kg	U	50
HMX	BQL	10000	ug/kg	U	50
Nitrobenzene	BQL	5000	ug/kg	U	50
RDX	BQL	10000	ug/kg	U	50
Tetryl	BQL	10000	ug/kg	U	50
m-Nitrotoluene	BQL	10000	ug/kg	U	50
o-Nitrotoluene	BQL	10000	ug/kg	U	50
p-Nitrotoluene	BQL	10000	ug/kg	U	50

Summary of Analytical Results

Client ID AB0446
GPL ID: 10057-009-04-1
Matrix: Soil
Date Collected: Oct-11-2000
Date Received: Oct-12-2000

Prep Method: EXT_SW8330
Prep Date: Oct-16-2000
Prep Time: 00:00
Prep Chemist: Rekha Patel

Analytical Method: SW8330
Date Analyzed: Oct-30-2000
Time Analyzed 16:26
Analyst: Shukla Sarker

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	811	100	ug/kg		1
1,3-Dinitrobenzene	BQL	100	ug/kg	U	1
2,4,6-Trinitrotoluene	232000	100	ug/kg		1
2,4-Dinitrotoluene	705	100	ug/kg		1
2,6-Dinitrotoluene	BQL	100	ug/kg	U	1
2-Amino-4,6-Dinitrotoluene	3270	100	ug/kg		1
4-Amino-2,6-Dinitrotoluene	4760	100	ug/kg		1
HMX	BQL	200	ug/kg	U	1
Nitrobenzene	212	100	ug/kg		1
RDX	BQL	200	ug/kg	U	1
Tetryl	BQL	200	ug/kg	U	1
m-Nitrotoluene	BQL	200	ug/kg	U	1
o-Nitrotoluene	BQL	200	ug/kg	U	1
p-Nitrotoluene	BQL	200	ug/kg	U	1

Summary of Analytical Results

Client ID AB0448
GPL ID: 10057-010-04-1
Matrix: Soil
Date Collected: Oct-11-2000
Date Received: Oct-12-2000

Prep Method: EXT_SW8330
Prep Date: Oct-16-2000
Prep Time: 00:00
Prep Chemist: Rekha Patel

Analytical Method: SW8330
Date Analyzed: Oct-31-2000
Time Analyzed 10:59
Analyst: Shukla Sarker

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	2600	100	ug/kg		1
1,3-Dinitrobenzene	BQL	100	ug/kg	U	1
2,4,6-Trinitrotoluene	727000	100	ug/kg		1
2,4-Dinitrotoluene	2750	100	ug/kg		1
2,6-Dinitrotoluene	BQL	100	ug/kg	U	1
2-Amino-4,6-Dinitrotoluene	17300	100	ug/kg		1
4-Amino-2,6-Dinitrotoluene	11500	100	ug/kg		1
HMX	BQL	200	ug/kg	U	1
Nitrobenzene	BQL	100	ug/kg	U	1
RDX	BQL	200	ug/kg	U	1
Tetryl	BQL	200	ug/kg	U	1
m-Nitrotoluene	BQL	200	ug/kg	U	1
o-Nitrotoluene	BQL	200	ug/kg	U	1
p-Nitrotoluene	BQL	200	ug/kg	U	1

Summary of Analytical Results

Client ID AB0448
GPL ID: 10057-010-04-1
Matrix: Soil
Date Collected: Oct-11-2000
Date Received: Oct-12-2000

Prep Method: EXT_SW8330
Prep Date: Oct-16-2000
Prep Time: 00:00
Prep Chemist: Rekha Patel

Analytical Method: SW8330
Date Analyzed: Nov-01-2000
Time Analyzed 14:50
Analyst: Shukla Sarker

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	BQL	10000	ug/kg	U	100
1,3-Dinitrobenzene	BQL	10000	ug/kg	U	100
2,4,6-Trinitrotoluene	900000	10000	ug/kg		100
2,4-Dinitrotoluene	BQL	10000	ug/kg	U	100
2,6-Dinitrotoluene	BQL	10000	ug/kg	U	100
2-Amino-4,6-Dinitrotoluene	BQL	10000	ug/kg	U	100
4-Amino-2,6-Dinitrotoluene	BQL	10000	ug/kg	U	100
HMX	BQL	20000	ug/kg	U	100
Nitrobenzene	BQL	10000	ug/kg	U	100
RDX	BQL	20000	ug/kg	U	100
Tetryl	BQL	20000	ug/kg	U	100
m-Nitrotoluene	BQL	20000	ug/kg	U	100
o-Nitrotoluene	BQL	20000	ug/kg	U	100
p-Nitrotoluene	BQL	20000	ug/kg	U	100

2D
SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBROOK

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Level: (low/med) LOW

	Client SAMPLE NO.	S1 #	TOT OUT
01	NLCSA	80	0
02	NBLKA	79	0
03	AA0480	92	0
04	AA0481	80	0
05	AB0443	51	0
06	AB0444	90	0
07	AB0445	74	0
08	AB0446	70	0
09	AB0448	77	0
10	AA0480 DIL	D	
11	AB0445 DIL	D	
12	AB0446 DIL	D	
13	AB0448 DIL	D	

C 11-1300

			QC LIMITS
S1	=	4-NITROANILINE	(24-140)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogate diluted out

2C
WATER EXPLOSIVES SURROGATE RECOVERY

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBROOK

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

	CLIENT SAMPLE NO.	S1 #	TOT OUT
01	NBLKB	86	0
02	NLCSB	84	0
03	AA3002	39	0
04	AA3005	58	0
05	AA3002 DIL	D	1
06	AA3005 DIL	D	

C 11-17 00

			QC LIMITS
S1	=	4-NITROANILINE	(22-98)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogate diluted out

3D

SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBROOK

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Matrix Spike - EPA Sample No.: NFO-SS-01-019 Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC LIMITS REC.
HMX	3000	0.0	2700	90	70 - 113
1,3,5-TRINITROBENZENE	1500	0.0	1400	93	20 - 150
TETRYL	3000	0.0	2200	73	20 - 103
2,4,6-TRINITROTOLUENE	1500	0.0	1800	120	46 - 150
4-AMINO-2,6-DINITROTOLU	1500	0.0	1300	87	39 - 136
4-NITROTOLUENE	3000	0.0	3000	100	72 - 114
RDX	3000	0.0	2800	93	70 - 124
1,3-DINITROBENZENE	1500	0.0	1500	100	70 - 127
NITROBENZENE	1500	0.0	1800	120	70 - 120
2-AMINO-4,6-DINITROTOLU	1500	0.0	1900	127	43 - 150
2,4-DINITROTOLUENE	3000	0.0	1900	63	56 - 100
2-NITROTOLUENE	3000	0.0	3000	100	70 - 116
3-NITROTOLUENE	3000	0.0	3000	100	70 - 109

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
HMX	3000	2900	97	7	25	70 - 113
1,3,5-TRINITROBENZENE	1500	1500	100	7	25	20 - 150
TETRYL	3000	2100	70	4	25	20 - 103
2,4,6-TRINITROTOLUENE	1500	2200	147	20	25	46 - 150
4-AMINO-2,6-DINITROTOLU	1500	1400	93	7	25	39 - 136
4-NITROTOLUENE	3000	3000	100	0	25	72 - 114
RDX	3000	2900	97	4	25	70 - 124
1,3-DINITROBENZENE	1500	1600	107	7	25	70 - 127
NITROBENZENE	1500	2400	160 *	29 *	25	70 - 120
2-AMINO-4,6-DINITROTOLU	1500	1900	127	0	25	43 - 150
2,4-DINITROTOLUENE	3000	1900	63	0	25	56 - 100
2-NITROTOLUENE	3000	3200	107	7	25	70 - 116

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 1 out of 13 outside limits

Spike Recovery: 1 out of 26 outside limits

COMMENTS:

3D

SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBROOK

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Matrix Spike - EPA Sample No.: NFO-SS-01-019 Level: (low/med) LOW

3-NITROTOLUENE	3000	3100	103	3	25	70 -	109

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 0 outside limits

Spike Recovery: 0 out of 0 outside limits

COMMENTS:

3C

WATER EXPLOSIVES MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBROOK

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Matrix Spike - EPA Sample No.: F7782-1

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
HMX	12	0.0	11	92	56 - 116
1,3,5-TRINITROBENZENE	6.0	0.0	5.7	95	26 - 150
TETRYL	12	0.0	9.3	78	20 - 143
2,4,6-TRINITROTOLUENE	6.0	0.0	7.3	122	38 - 157
4-AMINO-2,6-DINITROTOLU	6.0	0.0	6.0	100	60 - 128
RDX	12	0.0	11	92	41 - 121
1,3-DINITROBENZENE	6.0	0.0	5.5	92	50 - 115
NITROBENZENE	6.0	0.0	4.8	80	52 - 113
2-AMINO-4,6-DINITROTOLU	6.0	0.0	5.7	95	51 - 120
2,4-DINITROTOLUENE	12	0.0	8.8	73	48 - 97
4-NITROTOLUENE	12	0.0	10	83	41 - 128
2-NITROTOLUENE	12	0.0	9.9	83	45 - 125
3-NITROTOLUENE	12	0.0	9.9	83	50 - 117

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
HMX	12	9.2	77	18	25	56 - 116
1,3,5-TRINITROBENZENE	6.0	4.4	73	26*	25	26 - 150
TETRYL	12	6.1	51	42*	25	20 - 143
2,4,6-TRINITROTOLUENE	6.0	6.9	115	6	25	38 - 157
4-AMINO-2,6-DINITROTOLU	6.0	5.2	87	14	25	60 - 128
RDX	12	9.1	76	19	25	41 - 121
1,3-DINITROBENZENE	6.0	4.7	78	16	25	50 - 115
NITROBENZENE	6.0	4.6	77	4	25	52 - 113
2-AMINO-4,6-DINITROTOLU	6.0	5.5	92	3	25	51 - 120
2,4-DINITROTOLUENE	12	8.7	73	0	25	48 - 97
4-NITROTOLUENE	12	9.3	78	6	25	41 - 128
2-NITROTOLUENE	12	9.0	75	10	25	45 - 125

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 2 out of 13 outside limits

Spike Recovery: 0 out of 26 outside limits

COMMENTS:

3C

WATER EXPLOSIVES MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBROOK

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Matrix Spike - EPA Sample No.: F7782-1

3-NITROTOLUENE	12	9.3	78	6	25	50 -	117

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 0 outside limits

Spike Recovery: 0 out of 0 outside limits

COMMENTS:

3F

SOIL LABORATORY CONTROL SPIKE RECOVERY

Lab Name: GPL Laboratories Contract: IT_PLUMBROOK

Lab Code: GPLL Case No.: N/A SAS No. N/A SDG No. N/A

EPA Sample No.: NLCSA GP ID: BKS7376

COMPOUND	SPIKE ADDED (ug/kg)	LCS CONCENTRATION (ug/kg)	LCS % REC	QC LIMITS
HMX	3000	2723	91	70-114
1,3,5-TNB	1500	1606	107	70-118
TETRYL	3000	1967	66	26-100
TNT	1500	1854	124	70-150
4-AMINO-2,6-DNT	1500	1495	100	60-112
4-NITROTOLUENE	3000	2927	98	70-119
RDX	3000	2788	93	70-118
1,3-DINITROBENZENE	1500	1482	99	70-118
NITROBENZENE	1500	1445	96	70-121
2-AMINO-4,6-DNT	1500	1806	120	69-146
2,4-DNT	3000	2111	70	64-100
2-NITROTOLUENE	3000	2927	98	70-122
3-NITROTOLUENE	3000	2781	93	70-111

* OUTSIDE QC LIMIT

COMMENTS: _____

FORM III 8330

3F

WATER LABORATORY CONTROL SPIKE RECOVERY

Lab Name: GPL Laboratories Contract: IT_PLUMBROOK

Lab Code: GPLL Case No.: N/A SAS No. N/A SDG No.: N/A

EPA Sample No.: NLCSB GP ID: BKS7365

COMPOUND	SPIKE ADDED ug/l	LCS CONCENTRATION ug/l	LCS % REC	QC LIMITS
HMX	7.8	7.0	90	70-127
1,3,5-TNB	3.9	3.7	94	20-150
TETRYL	7.8	3.7	48	20-104
TNT	3.9	4.4	113	70-150
4-AMINO-2,6-DNT	3.9	3.7	95	63-121
4-NITROTOLUENE	7.8	7.7	98	57-139
RDX	7.8	7.4	94	70-124
1,3-DINITROBENZENE	3.9	4.0	103	65-141
NITROBENZENE	3.9	3.9	101	71-134
2-AMINO-4,6-DNT	3.9	4.8	123	43-150
2,4-DNT	7.8	5.3	68	53-101
2-NITROTOLUENE	7.8	7.6	98	63-132
3-NITROTOLUENE	7.8	7.4	95	68-133

* OUTSIDE QC LIMIT

COMMENTS:

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

NBLKA

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBRO

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Lab File ID: LCA3009.D Lab Sample ID: BLK7376

Instrument ID: LCA Date Extracted: 10/16/00

Matrix: (soil/water) SOIL Date Analyzed: 10/28/00

Level: (low/med) LOW Time Analyzed: 17:19

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	Client SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	NLCSA	BKS7376	LCA3008.D	10/28/00
02	AA0480	10057-002	LCA3033.D	10/30/00
03	AA0481	10057-003	LCA3034.D	10/30/00
04	AB0443	10057-006	LCA3035.D	10/30/00
05	AB0444	10057-007	LCA3036.D	10/30/00
06	AB0445	10057-008	LCA3037.D	10/30/00
07	AB0446	10057-009	LCA3039.D	10/30/00
08	AB0448	10057-010	LCA3074.D	10/31/00
09	AA0480 DIL	10057 002 50X	LCA3092.D	11/01/00
10	AB0445 DIL	10057 008 100X	LCA3093.D	11/01/00
11	AB0446 DIL	10057 009 50X	LCA3094.D	11/01/00
12	AB0448 DIL	10057 010 100X	LCA3095.D	11/01/00

COMMENTS:

4B

EXPLOSIVES METHOD BLANK SUMMARY

EPA SAMPLE NO.

NBLKB

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBRO

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Lab File ID: LCA3192.D Lab Sample ID: BLK7365

Instrument ID: LCA Date Extracted: 10/13/00

Matrix: (soil/water) WATER Date Analyzed: 11/05/00

Level: (low/med) LOW Time Analyzed: 00:08

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	Client Sample NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	NLCSB	BKS7365	LCA3193.D	11/05/00
02	AA3002	10057-004	LCA3194.D	11/05/00
03	AA3005	10057-005	LCA3195.D	11/05/00
04	AA3002 DIL	10057-004 10 X	LCA3229.D	11/10/00
05	AA3005 DIL	10057-005 200 X	LCA3230.D	11/10/00

COMMENTS:

GPL LABORATORIES, LLLP

Qualifier Definitions

U = Indicates that the compound was analyzed for but not detected at or above the reporting limit

Organics:

B = Indicates that the analyte was found in the associated blank as well as in the sample

D = Indicates that the analyte was reported from a diluted analysis

E = Indicates that the concentration detected exceeded the calibration range of the instrument

J = Value is less than the reporting limits but greater than the MDL

P = Indicates that there is greater than 25% difference for detected pesticide/Aroclor results between the two GC columns

Metals:

B = Indicates that the reported value was less than the reporting limit but greater than or equal to the IDL/MDL

E = Indicates that reported value is estimated because of the possible presence of interference (i.e., the serial dilution not within control limits)

H = Indicates that the element was found in the associated blank as well as in the sample and the value is greater than or equal to the reporting limit

N = Spiked sample recovery not within control limits

• = Duplicate analysis not within control limits

IT CORPORATION
A Member of The IT Group

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 10112000-GPL

Project Number: 773206
Samples Shipment Date: 11 OCT 2000
Project Name: PLUMBROOK ORDNANCE WOR
ab Destination: GPL Labotatories
Sample Coordinator: Duane Nielsen
Lab Contact: Bill Lock
Turnaround Time:
Project Contact: Kim Napier
Carrier/Waybill No.: Fed Ex/8227 8051 5179

Bill To: Accounts Receivable
312 Directors Drive
Knoxville TN 37923

Report To: Kim Napier
312 Directors Drive
Knoxville TN 37923

Special Instructions: 48 HOUR TAT ON ENCORES. ACETATE SLEEVES ARE FOR VOC ANALYSIS.

Possible Hazard Indentification:
Non-hazard [ ] Flammable [ ] Skin Irritant [ ] Poison B [ ] Unknown [X]

Sample Disposal:
Return to Client [ ] Disposal by Lab [X] Archive (mos.)

1. Relinquished By (Signature/Affiliation) Chris Fusley Date: 10/11/00 Time: 18:00
2. Relinquished By (Signature/Affiliation) Date: Time:
3. Relinquished By (Signature/Affiliation) Date: Time:

1. Received By (Signature/Affiliation) Date: Time:
2. Received By (Signature/Affiliation) Date: Time:
3. Received By (Signature/Affiliation) Scott Garman Date: 10/12/00 Time: 10:00

Comments:

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
10112000-TB2	FIELDQC-BW-10112000-TB2-TB	11 OCT 2000	07:00	40 ml GVIAL,SEP	2	HCl<pH 2	TCL Volatiles by SW-846 8260B	N		
AA0480	PBOW-SO-TNTA-SO225-AA0480-(03-04)	11 OCT 2000	09:15	5 oz ENCORE	3	None except cool to 4 C	TCL Volatiles by SW-846 8260B	N		
AA0480	PBOW-SO-TNTA-SO225-AA0480-(03-04)	11 OCT 2000	09:15	8 oz CWM	1	None except cool to 4 C	TAL Metals by SW-846 6010B/7471A in soil, TCL Semivolatiles by SW-846 8270C	N		
AA0480	PBOW-SO-TNTA-SO225-AA0480-(03-04)	11 OCT 2000	09:15	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by SW-846 8330, PCBs by SW-846 8082	N		
AA0481	PBOW-SO-TNTA-SO409-AA0481-(01-02)	11 OCT 2000	11:15	5 oz ENCORE	3	None except cool to 4 C	TCL Volatiles by SW-846 8260B	N		
AA0481	PBOW-SO-TNTA-SO409-AA0481-(01-02)	11 OCT 2000	11:15	8 oz CWM	1	None except cool to 4 C	TAL Metals by SW-846 6010B/7471A in soil, TCL Semivolatiles by SW-846 8270C	N		

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10057

IT CORPORATION
A Member of The IT Group

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 10112000-GPL

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
AA0481	PBOW-SO-TNTA-SO409-AA0481-(01-02)	11 OCT 2000	11:15	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by SW-846 8330, PCBs by SW-846 8082	N		
AA3002	PBOW-00-GW-TNTA-GW02-AA3002-(00-00)	11 OCT 2000	11:30	1 L Amb. Glass	2	None except cool to 4 C	Nitroaromatics by SW-846 8330	N		
AA3002	PBOW-00-GW-TNTA-GW02-AA3002-(00-00)	11 OCT 2000	11:30	1 L Amb. Glass	2	None except cool to 4 C	TCL Semivolatiles by SW-846 8270C	N		
AA3002	PBOW-00-GW-TNTA-GW02-AA3002-(00-00)	11 OCT 2000	11:30	40 mL GVIAL,SEP	3	HCl<pH 2	TCL Volatiles by SW-846 8260B	N		
AA3002	PBOW-00-GW-TNTA-GW02-AA3002-(00-00)	11 OCT 2000	11:30	1 L HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010B/7470A in water	N		
AA3002	PBOW-00-GW-TNTA-GW02-AA3002-(00-00)	11 OCT 2000	11:30	1 L Amb. Glass	2	None except cool to 4 C	PCBs by SW-846 8082	N		
AA3005	PBOW-00-GW-TNTA-GW05-AA3005-(00-00)	11 OCT 2000	09:50	40 mL GVIAL,SEP	3	HCl<pH 2	TCL Volatiles by SW-846 8260B	N		
AA3005	PBOW-00-GW-TNTA-GW05-AA3005-(00-00)	11 OCT 2000	09:50	1 L Amb. Glass	2	None except cool to 4 C	TCL Semivolatiles by SW-846 8270C	N		
AA3005	PBOW-00-GW-TNTA-GW05-AA3005-(00-00)	11 OCT 2000	09:50	1 L Amb. Glass	2	None except cool to 4 C	Nitroaromatics by SW-846 8330	N		
AA3005	PBOW-00-GW-TNTA-GW05-AA3005-(00-00)	11 OCT 2000	09:50	1 L HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010B/7470A in water	N		
AA3005	PBOW-00-GW-TNTA-GW05-AA3005-(00-00)	11 OCT 2000	09:50	1 L Amb. Glass	2	None except cool to 4 C	PCBs by SW-846 8082	N		
AB0443	PBOW-00-SO-TNTC-SO173-AB0443-(01-02)	11 OCT 2000	16:30	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by SW-846 8330, TAL Metals by SW-846 6010B/7471A in soil	N		
AB0443	PBOW-00-SO-TNTC-SO173-AB0443-(01-02)	11 OCT 2000	16:30	5 oz ENCORE	3	None except cool to 4 C	TCL Volatiles by SW-846 8260B	N		
AB0443	PBOW-00-SO-TNTC-SO173-AB0443-(01-02)	11 OCT 2000	16:30	8 oz CWM	1	None except cool to 4 C	PCBs by SW-846 8082, TCL Semivolatiles by SW-846 8270C	N		
AB0444	PBOW-00-SO-TNTC-SO190-AB0444-(01-02)	11 OCT 2000	15:05	5 oz ENCORE	3	None except cool to 4 C	TCL Volatiles by SW-846 8260B	N		
AB0444	PBOW-00-SO-TNTC-SO190-AB0444-(01-02)	11 OCT 2000	15:05	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by SW-846 8330, TAL Metals by SW-846 6010B/7471A in soil	N		
AB0444	PBOW-00-SO-TNTC-SO190-AB0444-(01-02)	11 OCT 2000	15:05	8 oz CWM	1	None except cool to 4 C	PCBs by SW-846 8082, TCL Semivolatiles by SW-846 8270C	N		
AB0445	PBOW-00-SO-TNTC-SO192-AB0445-(00-01)	11 OCT 2000	14:55	5 oz ENCORE	3	None except cool to 4 C	TCL Volatiles by SW-846 8260B	N		
AB0445	PBOW-00-SO-TNTC-SO192-AB0445-(00-01)	11 OCT 2000	14:55	8 oz CWM	1	None except cool to 4 C	PCBs by SW-846 8082, TCL Semivolatiles by SW-846 8270C	N		
AB0445	PBOW-00-SO-TNTC-SO192-AB0445-(00-01)	11 OCT 2000	14:55	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by SW-846 8330, TAL Metals by SW-846 6010B/7471A in soil	N		
AB0446	PBOW-00-SO-TNTC-SO192-AB0446-(02-03)	11 OCT 2000	15:00	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by SW-846 8330, TAL Metals by SW-846 6010B/7471A in soil	N		
AB0446	PBOW-00-SO-TNTC-SO192-AB0446-(02-03)	11 OCT 2000	15:00	5 oz ENCORE	3	None except cool to 4 C	TCL Volatiles by SW-846 8260B	N		
AB0446	PBOW-00-SO-TNTC-SO192-AB0446-(02-03)	11 OCT 2000	15:00	8 oz CWM	1	None except cool to 4 C	PCBs by SW-846 8082, TCL Semivolatiles by SW-846 8270C	N		
AB0448	PBOW-00-SO-TNTC-SO241-AB0448-(01-02)	11 OCT 2000	16:00	5 oz ENCORE	3	None except cool to 4 C	TCL Volatiles by SW-846 8260B	N		
AB0448	PBOW-00-SO-TNTC-SO241-AB0448-(01-02)	11 OCT 2000	16:00	8 oz CWM	1	None except cool to 4 C	PCBs by SW-846 8082, TCL Semivolatiles by SW-846 8270C	N		
AB0448	PBOW-00-SO-TNTC-SO241-AB0448-(01-02)	11 OCT 2000	16:00	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by SW-846 8330, TAL Metals by SW-846 6010B/7471A in soil	N		

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1057

Sample Preservation Check Documentation Form

WORK ORDER: 10057

Parameter:	Metals	Phenol	TPH	Classical	Cyanide	Sulfide	Radiology	
	~~Total~~ Filtered		O&G	Parameters				
Preservative:	HNO3	H2SO4	H2SO4	H2SO4	NaOH	NaOH	H2SO4	Other Preservations
pH Value	<2	<2	<2	<2	>12	>9	<2	
CLIENT I.D.								
AA3002	2/2							
AA3005	2/2							

Sample Preservation Check Performed By: [signature] Date: 11/12/07

GPL Laboratories, LLLP

Figure 1
SAMPLE RECEIPT CHECKLIST

W.O. No: 10057

Client Name: IT Corporation

Date Received: 10/12/00

Time Received: 10:00 AM

Received By: [signature]

Carrier Name: Fed Ex

Prepared (Logged In) By: SG / 10/12/00 (Initials / Date)

Project:

Site:

VOA Holding Blank I.D. No:

	YES	NO
Airbill/Manifest Present?	✓	
No. 822770515179		
Shipping Container in Good Condition?	✓	
Custody Seals Present on Shipping Container?	✓	
Condition: Broken ____		
Intact-not dated or signed ____		
Intact-dated and signed ✓		
Usage of Tamper Evident Type	✓	
Chain-of-Custody Present?	✓	
Chain-of-Custody Agrees with Sample Labels?	✓	
Chain-of-Custody Signed?	✓	
Packing Present in Shipping Container?	✓	
Type of Packing Bubble wrap		
Custody seals on Sample Bottles?		✓
Condition: Good ____ Broken ____		
Total Number of Sample Bottles 65		
Total Number of Samples 10		
Samples Intact?	✓	
Sufficient Sample Volume for Indicated Test?	✓	

	YES	NO
Trip Blanks: No. of Sets 1	✓	
Field Blanks: No. of Sets ____		✓
Equip. Blank: No. of Sets ____		✓
Field Duplicate: No. of Sets ____		✓
MS/MSD: No of Sets ____		✓
VOA Vials Have Zero Headspace?	✓	
Preservatives Added to Sample?	✓	
pH Check Required? Performed By? [signature]	✓	
Ice Present in Shipping Container?	✓	

Container #	Temp.	Container #	Temp.
#1	2.0°C		
#2	2.0°C		
#3	2.0°C		

10/12/00

Project Manager Contacted?
Name: Bill Cook
Date Contacted: 10/12/00

Any NO response must be detailed in the comments section below. If items are not applicable to particular samples or contracts, they should be marked N/A/

COMMENTS: one metals bottle received for sample AA3005 2 marked on COC. (Filtered NOT Rec'd)

Checklist Completed By: [signature]

Date: 10/12/00

SOP No: F.2V10

Analytical Report For 10063

for

IT Corporation

Project Manager: Maureen McMyler

Project Name : Plumbrook Ordnance Works

November 20, 2000

GPL

Laboratories

Reviewed by,
Project Manager

Approved by,
Laboratory Director

202 Perry Parkway Gaithersburg, MD 20877 Phone (301) 926-6802 Fax: (301) 840-1209
www.gplab.com

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Laboratories

CASE NARRATIVE

CLIENT: IT CORPORATION
PROJECT/SITE: PLUMBROOK ORDNANCE WORKS
WORK ORDER(S): 10063
REVIEW DATE: 11/20/00

The Case Narrative, Chain of Custody, Sample Receipt Checklist, and the cover page of the Analytical Report, are integral parts of GPL Laboratories' report package. If you did not receive all of these documents, please contact GPL immediately.

Sample Receipt

Seven water samples and eleven soils were received on 10/12/2000. The samples were delivered by Federal Express. The samples were received intact. Sample receipt conditions and temperatures are documented on the Sample Receipt Checklist.

Sample Analysis

Samples were prepared and analyzed by GPL using the analytical methodologies indicated on the Analytical Report of Analysis.

Volatile Analysis

1. Nine soils and seven water samples were analyzed for volatile organic using 8260B methodologies.

2. Percent surrogate and internal standard recoveries of samples AB0426 and AB0477 were outside established QC limits in the initial analysis. The samples were analyzed within holding time. Both data results were submitted with this package.

3. The matrix spike and matrix spike duplicate analyses for soil were shared with work order 10063. Percent RPD of chlorobenzene was outside QC limit. The matrix spike and matrix spike duplicate analyses for water were shared with work order 10037. Percent recovery of 1,1-dichloroethene and toluene was outside QC limits in the MS analysis. Percent RPD of all compounds was outside QC limit as well.

4. Four laboratory control sample (LCS) reports were submitted with this package.

5. Acetone was detected on sample AB0426 above calibration limit in the initial analysis. However, no encore sample preserved with methanol was made available. Thus, medium level analysis was not performed on this sample.

6. The lowest calibration level reported for methylene chloride, acetone, trans-1,3-dichloropropene, and bromoform in the initial calibration curve report, 86_25W15.M, was 2 ug/L.

7. Methylene chloride was present on BLK7421 at 1.4 ug/L.

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Laboratories

CASE NARRATIVE

CLIENT: IT CORPORATION
PROJECT/SITE: PLUMBROOK ORDNANCE WORKS
WORK ORDER(S): 10063
REVIEW DATE: 11/20/00

Semivolatile Analysis

1. Five water samples and nine soil samples were extracted using method 3520C and 3550B respectively. These samples were analyzed for semivolatile organic compounds using USEPA method 8270C.

2. Samples AA3001 and AA3003 did not meet surrogate method criteria. Both samples were re-extracted outside holding time. The re-extracts were within method limits. Both results are included in the data package.

3. Samples AA3001 and AA3003 were analyzed at a 1:10 and 1:2 dilution respectively due to the nature of the sample matrix. The samples ID's are modified to read AA3001DL and AA3003DL.

4. Sample AB0430 was analyzed at a 1:10 dilution due to the nature of the sample matrix. No further analysis was necessary, as the recover of 2,4-Dintirotoluene was in the upper half of the curve. The sample ID is modified as AB0430DL.

5. For the water samples, QC was shared with work order #10052. 2,4-Dinitrotoluene was not recovered due to high level of the target in the background sample. Pentachlorophenol was also outside of QC limits. A laboratory control spike was also performed with the batch.

6. For the soil samples, matrix spike and duplicate analysis was performed on sample AB0447. One spike recovery was outside of QC limits. A laboratory control spike was also performed with the batch.

7. The continuing calibration analyzed on 11/08/00 had Di-n-octylphthalate at 23.2%D. Re-analyses were not performed since the response was higher than average response factor of the curve and it was not detected in the samples that were analyzed that day.

PCBs

1. Five water and nine soil samples were extracted and analyzed for PCB compounds using method 8082.

2. Matrix spike and MSD analysis was shared with WO# 10052 sample AB3005 for water and performed on sample AB0447 for soil. AR1016 recovery for AB0447 MS/MSD was slightly above QC limits. Laboratory Control Sample was analyzed with each matrix.

3. Surrogate DCB was outside QC limits on RTX-CLP for AB0426 DL, AB0447, AB0447 MS/MSD and AB0430 DL.

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Laboratories

CASE NARRATIVE

CLIENT: IT CORPORATION
PROJECT/SITE: PLUMBROOK ORDNANCE WORKS
WORK ORDER(S): 10063
REVIEW DATE: 11/20/00

4. Concentrations reported on Form I are the higher values of results generated by two columns. However, the analyst based on the evaluation of quality control parameters determines the most reliable results. Flagged concentrations (*) on Form I indicate that reported results are the lower values.

5. Due to software limitations, some forms were corrected manually.

Explosives

1. Nine soil samples and five water samples were extracted and analyzed for explosive compounds using SW846 method 8330.

2. Matrix spike and matrix spike duplicate analyses were performed on sample AB0447 for soil samples and on AA3004 for water sample. The recovery and RPD of several compounds ware outside control limits due to the high level of some explosive compounds in the native sample.

3. A laboratory control sample was extracted and analyzed along with each sample matrix batch. All target analyte recoveries were within control limits.

4. Explosive compounds 2,4-DNT and 2,6-DNT co-elute on the primary column and the confirmation column. The mixture of 2,4-DNT and 2,6-DNT in the LCS and MS/MSD samples is quantitated and reported as 2,4-DNT. A peak detected in the retention time window of 2,4-DNT and 2,6-DNT on both columns will be reported as an isomeric pair in samples under the results for 2,4-DNT.

5. Manual integration was performed on some data files, when automatic integration provided by the software was inappropriate. Some forms were "hand" corrected due to software limitations.

Metals

1. Five water samples and nine soil samples were analyzed for HSL metals by EPA SW846 methodologies.

2. The water and soil samples were reported on separate forms.

3. The preparation blank was high for aluminum, antimony, and calcium in batch 005, ICP run 001115. The samples did not require redigestion because they were greater than 10x the blank concentration for aluminum, and calcium; samples concentration were below the reporting limit for antimony.

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Laboratories

CASE NARRATIVE

CLIENT: IT CORPORATION
PROJECT/SITE: PLUMBROOK ORDNANCE WORKS
WORK ORDER(S): 10063
REVIEW DATE: 11/20/00

4. A matrix spike, duplicate, and serial dilution were performed on the batch water sample 0010037-09 for all required ICP analytes. They were within the control limits.

5. A matrix spike and duplicate were performed on the batch water sample 0010057-04 for mercury. They were within the control limits.

6. A matrix spike and duplicate were performed on soil sample AB0447 for all required analytes. A serial dilution was performed also for the ICP analytes. The matrix spike was outside of the control limits for aluminum, antimony, lead, manganese, potassium, and mercury. All associated data was flagged with an "N". A post digestion analytical spike was performed with recoveries within 25% of the true value for all these analytes (except mercury). No control limits were applied to the matrix spike for calcium, and iron due to an insignificant spike addition. The duplicate was outside of the control limits for beryllium, calcium, and magnesium. All associated data was flagged with an "*".

7. Calibration standards are verified against independent check standards purchased from a commercial vendor of environmental standards.

8. All GPL QA/QC criteria were met with the exceptions of those mentioned above.

Project Manager

Lab Director

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB0426	**Prep Method:**	**Analytical Method: CLP_SOLIDS**
GPL ID: 10063-008-05-1	**Prep Date:**	**Date Analyzed: Oct-17-2000**
Matrix: Soil	**Prep Time:**	**Time Analyzed 09:45**
Date Collected: Oct-12-2000	**Prep Chemist:**	**Analyst: Roya Sabouri**
Date Received: Oct-12-2000		

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Percent Solids	87.2	1	%		1

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GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB0430	**Prep Method:**	**Analytical Method: CLP_SOLIDS**
GPL ID: 10063-009-05-1	**Prep Date:**	**Date Analyzed: Oct-17-2000**
Matrix: Soil	**Prep Time:**	**Time Analyzed 09:45**
Date Collected: Oct-12-2000	**Prep Chemist:**	**Analyst: Roya Sabouri**
Date Received: Oct-12-2000		

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Percent Solids	85.9	1	%		1

0 7

Summary of Analytical Results

Client ID AB0431	**Prep Method:**	**Analytical Method: CLP_SOLIDS**
GPL ID: 10063-010-05-1	**Prep Date:**	**Date Analyzed: Oct-17-2000**
Matrix: Soil	**Prep Time:**	**Time Analyzed 09:45**
Date Collected: Oct-12-2000	**Prep Chemist:**	**Analyst: Roya Sabouri**
Date Received: Oct-12-2000		

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Percent Solids	83.3	1	%		1

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GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB0447	**Prep Method:**	**Analytical Method: CLP_SOLIDS**
GPL ID: 10063-011-05-1	**Prep Date:**	**Date Analyzed: Oct-17-2000**
Matrix: Soil	**Prep Time:**	**Time Analyzed 09:45**
Date Collected: Oct-12-2000	**Prep Chemist:**	**Analyst: Roya Sabouri**
Date Received: Oct-12-2000		

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Percent Solids	88.3	1	%		1

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Summary of Analytical Results

Client ID AB0475	**Prep Method:**	**Analytical Method: CLP_SOLIDS**
GPL ID: 10063-014-05-1	**Prep Date:**	**Date Analyzed: Oct-17-2000**
Matrix: Soil	**Prep Time:**	**Time Analyzed 09:45**
Date Collected: Oct-12-2000	**Prep Chemist:**	**Analyst: Roya Sabouri**
Date Received: Oct-12-2000		

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Percent Solids	83.0	1	%		1

Summary of Analytical Results

Client ID AB0476	**Prep Method:**	**Analytical Method: CLP_SOLIDS**
GPL ID: 10063-015-05-1	**Prep Date:**	**Date Analyzed: Oct-17-2000**
Matrix: Soil	**Prep Time:**	**Time Analyzed 09:45**
Date Collected: Oct-12-2000	**Prep Chemist:**	**Analyst: Roya Sabouri**
Date Received: Oct-12-2000		

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Percent Solids	82.3	1	%		1

Summary of Analytical Results

Client ID AB0477	**Prep Method:**	**Analytical Method: CLP_SOLIDS**
GPL ID: 10063-016-05-1	**Prep Date:**	**Date Analyzed: Oct-17-2000**
Matrix: Soil	**Prep Time:**	**Time Analyzed 09:45**
Date Collected: Oct-12-2000	**Prep Chemist:**	**Analyst: Roya Sabouri**
Date Received: Oct-12-2000		

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Percent Solids	87.5	1	%		1

Summary of Analytical Results

Client ID AB0478
GPL ID: 10063-017-05-1
Matrix: Soil
Date Collected: Oct-12-2000
Date Received: Oct-12-2000

Prep Method:
Prep Date:
Prep Time:
Prep Chemist:

Analytical Method: CLP_SOLIDS
Date Analyzed: Oct-17-2000
Time Analyzed 09:45
Analyst: Roya Sabouri

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Percent Solids	82.7	1	%		1

Summary of Analytical Results

Client ID AB0479	**Prep Method:**	**Analytical Method: CLP_SOLIDS**
GPL ID: 10063-018-05-1	**Prep Date:**	**Date Analyzed: Oct-17-2000**
Matrix: Soil	**Prep Time:**	**Time Analyzed 09:45**
Date Collected: Oct-12-2000	**Prep Chemist:**	**Analyst: Roya Sabouri**
Date Received: Oct-12-2000		

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Percent Solids	87.5	1	%		1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AA3001
GPL ID: 10063-003-07-1/1
Matrix: Water
Date Collected: Oct-11-2000
Date Received: Oct-12-2000

Prep Method: SW3010A
Prep Date: Oct-29-2000
Prep Time: 09:34
Prep Chemist: Rekha Patel

Analytical Method: SW6010B
Date Analyzed: Nov-09-2000
Time Analyzed 22:06
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	48600	200	ug/L		1
Antimony	BQL	6	ug/L	U	1
Arsenic	52.7	5	ug/L		1
Barium	669	5	ug/L		1
Beryllium	4.23	1	ug/L		1
Cadmium	5.96	3	ug/L		1
Calcium	229000	500	ug/L		1
Chromium	66.3	5	ug/L		1
Cobalt	37.7	5	ug/L		1
Copper	54.9	5	ug/L		1
Iron	78700	100	ug/L		1
Lead	566	3	ug/L		1
Magnesium	29200	250	ug/L		1
Manganese	7050	5	ug/L		1
Nickel	65.1	5	ug/L		1
Potassium	13400	250	ug/L		1
Selenium	BQL	5	ug/L	U	1
Silver	BQL	3	ug/L	U	1
Sodium	6300	1000	ug/L		1
Thallium	BQL	10	ug/L	U	1
Vanadium	106	5	ug/L		1
Zinc	923	15	ug/L		1

Summary of Analytical Results

Client ID AA3003
GPL ID: 10063-004-07-1/1
Matrix: Water
Date Collected: Oct-12-2000
Date Received: Oct-12-2000

Prep Method: SW3010A
Prep Date: Oct-29-2000
Prep Time: 09:34
Prep Chemist: Rekha Patel

Analytical Method: SW6010B
Date Analyzed: Nov-09-2000
Time Analyzed 22:13
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	9150	200	ug/L		1
Antimony	12.5	6	ug/L		1
Arsenic	16.0	5	ug/L		1
Barium	236	5	ug/L		1
Beryllium	0.433	1	ug/L	B	1
Cadmium	0.793	3	ug/L	B	1
Calcium	212000	500	ug/L		1
Chromium	11.9	5	ug/L		1
Cobalt	10.0	5	ug/L		1
Copper	24.4	5	ug/L		1
Iron	22500	100	ug/L		1
Lead	1010	3	ug/L		1
Magnesium	24700	250	ug/L		1
Manganese	1480	5	ug/L		1
Nickel	16.7	5	ug/L		1
Potassium	8650	250	ug/L		1
Selenium	BQL	5	ug/L	U	1
Silver	1.26	3	ug/L	B	1
Sodium	20400	1000	ug/L		1
Thallium	BQL	10	ug/L	U	1
Vanadium	19.7	5	ug/L		1
Zinc	92.5	15	ug/L		1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AA3004
GPL ID: 10063-005-08-1/1
Matrix: Water
Date Collected: Oct-12-2000
Date Received: Oct-12-2000

Prep Method: SW3010A
Prep Date: Oct-29-2000
Prep Time: 09:34
Prep Chemist: Rekha Patel

Analytical Method: SW6010B
Date Analyzed: Nov-10-2000
Time Analyzed 18:24
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	24100	200	ug/L		1
Antimony	BQL	6	ug/L	U	1
Arsenic	8.04	5	ug/L		1
Barium	229	5	ug/L		1
Beryllium	2.03	1	ug/L		1
Cadmium	2.01	3	ug/L	B	1
Calcium	264000	500	ug/L		1
Chromium	26.8	5	ug/L		1
Cobalt	17.8	5	ug/L		1
Copper	23.1	5	ug/L		1
Iron	22800	100	ug/L		1
Lead	50.5	3	ug/L		1
Magnesium	34300	250	ug/L		1
Manganese	1430	5	ug/L		1
Nickel	30.5	5	ug/L		1
Potassium	6800	250	ug/L		1
Selenium	BQL	5	ug/L	U	1
Silver	BQL	3	ug/L	U	1
Sodium	97700	1000	ug/L		1
Thallium	BQL	10	ug/L	U	1
Vanadium	32.9	5	ug/L		1
Zinc	219	15	ug/L		1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AA3007
GPL ID: 10063-006-06-1/1
Matrix: Water
Date Collected: Oct-11-2000
Date Received: Oct-12-2000

Prep Method: SW3010A
Prep Date: Oct-29-2000
Prep Time: 09:34
Prep Chemist: Rekha Patel

Analytical Method: SW6010B
Date Analyzed: Nov-10-2000
Time Analyzed 18:44
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	144	200	ug/L	B	1
Antimony	BQL	6	ug/L	U	1
Arsenic	BQL	5	ug/L	U	1
Barium	59.2	5	ug/L		1
Beryllium	0.175	1	ug/L	B	1
Cadmium	BQL	3	ug/L	U	1
Calcium	525000	500	ug/L		1
Chromium	1.11	5	ug/L	B	1
Cobalt	48.7	5	ug/L		1
Copper	1.62	5	ug/L	B	1
Iron	15400	100	ug/L		1
Lead	2.13	3	ug/L	B	1
Magnesium	130000	250	ug/L		1
Manganese	2560	5	ug/L		1
Nickel	98.9	5	ug/L		1
Potassium	2930	250	ug/L		1
Selenium	BQL	5	ug/L	U	1
Silver	BQL	3	ug/L	U	1
Sodium	8550	1000	ug/L		1
Thallium	BQL	10	ug/L	U	1
Vanadium	BQL	5	ug/L	U	1
Zinc	53.6	15	ug/L		1

Summary of Analytical Results

Client ID AA3008
GPL ID: 10063-007-07-1/1
Matrix: Water
Date Collected: Oct-12-2000
Date Received: Oct-12-2000

Prep Method: SW3010A
Prep Date: Oct-29-2000
Prep Time: 09:34
Prep Chemist: Rekha Patel

Analytical Method: SW6010B
Date Analyzed: Nov-10-2000
Time Analyzed 18:50
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	19600	200	ug/L		1
Antimony	BQL	6	ug/L	U	1
Arsenic	19.0	5	ug/L		1
Barium	198	5	ug/L		1
Beryllium	2.99	1	ug/L		1
Cadmium	3.54	3	ug/L		1
Calcium	144000	500	ug/L		1
Chromium	28.1	5	ug/L		1
Cobalt	49.0	5	ug/L		1
Copper	117	5	ug/L		1
Iron	32000	100	ug/L		1
Lead	451	3	ug/L		1
Magnesium	20600	250	ug/L		1
Manganese	1460	5	ug/L		1
Nickel	103	5	ug/L		1
Potassium	5220	250	ug/L		1
Selenium	BQL	5	ug/L	U	1
Silver	BQL	3	ug/L	U	1
Sodium	6350	1000	ug/L		1
Thallium	BQL	10	ug/L	U	1
Vanadium	44.0	5	ug/L		1
Zinc	706	15	ug/L		1

Summary of Analytical Results

Client ID AB0426
GPL ID: 10063-008-05-1
Matrix: Soil
Date Collected: Oct-12-2000
Date Received: Oct-12-2000

Prep Method: SW3050B
Prep Date: Nov-13-2000
Prep Time: 13:51
Prep Chemist: Teshome Tamitre

Analytical Method: SW6010B
Date Analyzed: Nov-16-2000
Time Analyzed 03:47
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	4560	44.5	mg/kg	H	2
Antimony	BQL	1.34	mg/kg	U	2
Arsenic	10.5	1.11	mg/kg		2
Barium	141	1.11	mg/kg		2
Beryllium	0.442	0.223	mg/kg		2
Cadmium	1.15	0.668	mg/kg		2
Calcium	38300	111	mg/kg	H	2
Chromium	8.13	1.11	mg/kg		2
Cobalt	4.79	1.11	mg/kg		2
Copper	21.3	1.11	mg/kg		2
Iron	18100	22.3	mg/kg		2
Lead	355	0.668	mg/kg		2
Magnesium	11300	55.7	mg/kg		2
Manganese	512	1.11	mg/kg		2
Nickel	21.1	1.11	mg/kg		2
Potassium	858	55.7	mg/kg		2
Selenium	BQL	1.11	mg/kg	U	2
Silver	BQL	0.668	mg/kg	U	2
Sodium	182	223	mg/kg	B	2
Thallium	BQL	2.23	mg/kg	U	2
Vanadium	12.7	1.11	mg/kg		2
Zinc	199	3.34	mg/kg		2

Summary of Analytical Results

Client ID AB0430
GPL ID: 10063-009-05-1
Matrix: Soil
Date Collected: Oct-12-2000
Date Received: Oct-12-2000

Prep Method: SW3050B
Prep Date: Nov-13-2000
Prep Time: 13:51
Prep Chemist: Teshome Tamitre

Analytical Method: SW6010B
Date Analyzed: Nov-16-2000
Time Analyzed 03:54
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	2330	45.7	mg/kg	H	2
Antimony	BQL	1.37	mg/kg	U	2
Arsenic	7.43	1.14	mg/kg		2
Barium	427	1.14	mg/kg		2
Beryllium	0.219	0.228	mg/kg	B	2
Cadmium	BQL	0.685	mg/kg	U	2
Calcium	28200	114	mg/kg	H	2
Chromium	3.71	1.14	mg/kg		2
Cobalt	0.297	1.14	mg/kg	B	2
Copper	3.56	1.14	mg/kg		2
Iron	4010	22.8	mg/kg		2
Lead	761	0.685	mg/kg		2
Magnesium	422	57.1	mg/kg		2
Manganese	105	1.14	mg/kg		2
Nickel	4.17	1.14	mg/kg		2
Potassium	1180	57.1	mg/kg		2
Selenium	BQL	1.14	mg/kg	U	2
Silver	BQL	0.685	mg/kg	U	2
Sodium	78.2	228	mg/kg	B	2
Thallium	BQL	2.28	mg/kg	U	2
Vanadium	6.68	1.14	mg/kg		2
Zinc	5.80	3.42	mg/kg		2

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB0431
GPL ID: 10063-010-05-1
Matrix: Soil
Date Collected: Oct-12-2000
Date Received: Oct-12-2000

Prep Method: SW3050B
Prep Date: Nov-13-2000
Prep Time: 13:51
Prep Chemist: Teshome Tamitre

Analytical Method: SW6010B
Date Analyzed: Nov-16-2000
Time Analyzed 04:01
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	8310	47.5	mg/kg	H	2
Antimony	BQL	1.43	mg/kg	U	2
Arsenic	8.45	1.19	mg/kg		2
Barium	63.2	1.19	mg/kg		2
Beryllium	0.543	0.238	mg/kg		2
Cadmium	0.316	0.713	mg/kg	B	2
Calcium	15400	119	mg/kg	H	2
Chromium	16.5	1.19	mg/kg		2
Cobalt	7.29	1.19	mg/kg		2
Copper	30.1	1.19	mg/kg		2
Iron	19100	23.8	mg/kg		2
Lead	134	0.713	mg/kg		2
Magnesium	3260	59.4	mg/kg		2
Manganese	454	1.19	mg/kg		2
Nickel	23.8	1.19	mg/kg		2
Potassium	1640	59.4	mg/kg		2
Selenium	BQL	1.19	mg/kg	U	2
Silver	BQL	0.713	mg/kg	U	2
Sodium	140	238	mg/kg	B	2
Thallium	BQL	2.38	mg/kg	U	2
Vanadium	18.6	1.19	mg/kg		2
Zinc	123	3.57	mg/kg		2

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB0447
GPL ID: 10063-011-05-1
Matrix: Soil
Date Collected: Oct-12-2000
Date Received: Oct-12-2000

Prep Method: SW3050B
Prep Date: Nov-13-2000
Prep Time: 13:51
Prep Chemist: Teshome Tamitre

Analytical Method: SW6010B
Date Analyzed: Nov-16-2000
Time Analyzed 04:08
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	7260	44.8	mg/kg	H	2
Antimony	BQL	1.35	mg/kg	U	2
Arsenic	6.59	1.12	mg/kg		2
Barium	40.4	1.12	mg/kg		2
Beryllium	0.823	0.224	mg/kg		2
Cadmium	0.345	0.672	mg/kg	B	2
Calcium	34900	112	mg/kg	H	2
Chromium	13.2	1.12	mg/kg		2
Cobalt	5.77	1.12	mg/kg		2
Copper	19.0	1.12	mg/kg		2
Iron	16900	22.4	mg/kg		2
Lead	79.5	0.672	mg/kg		2
Magnesium	4250	56	mg/kg		2
Manganese	387	1.12	mg/kg		2
Nickel	17.0	1.12	mg/kg		2
Potassium	1080	56	mg/kg		2
Selenium	BQL	1.12	mg/kg	U	2
Silver	BQL	0.672	mg/kg	U	2
Sodium	186	224	mg/kg	B	2
Thallium	BQL	2.24	mg/kg	U	2
Vanadium	18.8	1.12	mg/kg		2
Zinc	151	3.36	mg/kg		2

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB0475
GPL ID: 10063-014-05-1
Matrix: Soil
Date Collected: Oct-12-2000
Date Received: Oct-12-2000

Prep Method: SW3050B
Prep Date: Nov-13-2000
Prep Time: 13:51
Prep Chemist: Teshome Tamitre

Analytical Method: SW6010B
Date Analyzed: Nov-16-2000
Time Analyzed 05:30
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	11200	46.3	mg/kg	H	2
Antimony	1.09	1.39	mg/kg	B	2
Arsenic	6.79	1.16	mg/kg		2
Barium	96.6	1.16	mg/kg		2
Beryllium	0.721	0.232	mg/kg		2
Cadmium	0.194	0.695	mg/kg	B	2
Calcium	28700	116	mg/kg	H	2
Chromium	14.3	1.16	mg/kg		2
Cobalt	7.71	1.16	mg/kg		2
Copper	12.9	1.16	mg/kg		2
Iron	30500	23.2	mg/kg		2
Lead	41.1	0.695	mg/kg		2
Magnesium	3320	57.9	mg/kg		2
Manganese	2120	1.16	mg/kg		2
Nickel	21.8	1.16	mg/kg		2
Potassium	951	57.9	mg/kg		2
Selenium	BQL	1.16	mg/kg	U	2
Silver	BQL	0.695	mg/kg	U	2
Sodium	140	232	mg/kg	B	2
Thallium	BQL	2.32	mg/kg	U	2
Vanadium	24.6	1.16	mg/kg		2
Zinc	96.1	3.48	mg/kg		2

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB0476
GPL ID: 10063-015-05-1
Matrix: Soil
Date Collected: Oct-12-2000
Date Received: Oct-12-2000

Prep Method: SW3050B
Prep Date: Nov-13-2000
Prep Time: 13:51
Prep Chemist: Teshome Tamitre

Analytical Method: SW6010B
Date Analyzed: Nov-16-2000
Time Analyzed 05:36
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	4540	46.8	mg/kg	H	2
Antimony	0.654	1.4	mg/kg	B	2
Arsenic	3.32	1.17	mg/kg		2
Barium	28.3	1.17	mg/kg		2
Beryllium	0.360	0.234	mg/kg		2
Cadmium	0.498	0.701	mg/kg	B	2
Calcium	10700	117	mg/kg	H	2
Chromium	9.85	1.17	mg/kg		2
Cobalt	3.23	1.17	mg/kg		2
Copper	35.9	1.17	mg/kg		2
Iron	11500	23.4	mg/kg		2
Lead	111	0.701	mg/kg		2
Magnesium	1910	58.5	mg/kg		2
Manganese	211	1.17	mg/kg		2
Nickel	8.95	1.17	mg/kg		2
Potassium	706	58.5	mg/kg		2
Selenium	BQL	1.17	mg/kg	U	2
Silver	BQL	0.701	mg/kg	U	2
Sodium	134	234	mg/kg	B	2
Thallium	BQL	2.34	mg/kg	U	2
Vanadium	17.1	1.17	mg/kg		2
Zinc	86.1	3.51	mg/kg		2

Summary of Analytical Results

Client ID AB0477
GPL ID: 10063-016-05-1
Matrix: Soil
Date Collected: Oct-12-2000
Date Received: Oct-12-2000

Prep Method: SW3050B
Prep Date: Nov-13-2000
Prep Time: 13:51
Prep Chemist: Teshome Tamitre

Analytical Method: SW6010B
Date Analyzed: Nov-16-2000
Time Analyzed 05:43
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	4170	45.7	mg/kg	H	2
Antimony	BQL	1.37	mg/kg	U	2
Arsenic	9.88	1.14	mg/kg		2
Barium	52.8	1.14	mg/kg		2
Beryllium	0.420	0.228	mg/kg		2
Cadmium	0.159	0.685	mg/kg	B	2
Calcium	45900	114	mg/kg	H	2
Chromium	8.08	1.14	mg/kg		2
Cobalt	3.77	1.14	mg/kg		2
Copper	10.5	1.14	mg/kg		2
Iron	28500	22.8	mg/kg		2
Lead	9.46	0.685	mg/kg		2
Magnesium	13200	57.1	mg/kg		2
Manganese	1120	1.14	mg/kg		2
Nickel	14.0	1.14	mg/kg		2
Potassium	680	57.1	mg/kg		2
Selenium	BQL	1.14	mg/kg	U	2
Silver	BQL	0.685	mg/kg	U	2
Sodium	152	228	mg/kg	B	2
Thallium	BQL	2.28	mg/kg	U	2
Vanadium	14.8	1.14	mg/kg		2
Zinc	94.6	3.43	mg/kg		2

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB0478
GPL ID: 10063-017-05-1
Matrix: Soil
Date Collected: Oct-12-2000
Date Received: Oct-12-2000

Prep Method: SW3050B
Prep Date: Nov-13-2000
Prep Time: 13:51
Prep Chemist: Teshome Tamitre

Analytical Method: SW6010B
Date Analyzed: Nov-16-2000
Time Analyzed 05:50
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	3750	46.5	mg/kg	H	2
Antimony	BQL	1.4	mg/kg	U	2
Arsenic	2.14	1.16	mg/kg		2
Barium	14.1	1.16	mg/kg		2
Beryllium	0.277	0.232	mg/kg		2
Cadmium	BQL	0.697	mg/kg	U	2
Calcium	7300	116	mg/kg	H	2
Chromium	6.27	1.16	mg/kg		2
Cobalt	2.20	1.16	mg/kg		2
Copper	3.73	1.16	mg/kg		2
Iron	6800	23.2	mg/kg		2
Lead	14.2	0.697	mg/kg		2
Magnesium	1870	58.1	mg/kg		2
Manganese	111	1.16	mg/kg		2
Nickel	6.44	1.16	mg/kg		2
Potassium	354	58.1	mg/kg		2
Selenium	BQL	1.16	mg/kg	U	2
Silver	BQL	0.697	mg/kg	U	2
Sodium	151	232	mg/kg	B	2
Thallium	BQL	2.33	mg/kg	U	2
Vanadium	12.4	1.16	mg/kg		2
Zinc	19.2	3.49	mg/kg		2

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB0479
GPL ID: 10063-018-05-1
Matrix: Soil
Date Collected: Oct-12-2000
Date Received: Oct-12-2000

Prep Method: SW3050B
Prep Date: Nov-13-2000
Prep Time: 13:51
Prep Chemist: Teshome Tamitre

Analytical Method: SW6010B
Date Analyzed: Nov-16-2000
Time Analyzed 06:11
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	6190	44.8	mg/kg	H	2
Antimony	0.633	1.34	mg/kg	B	2
Arsenic	4.07	1.12	mg/kg		2
Barium	46.0	1.12	mg/kg		2
Beryllium	0.408	0.224	mg/kg		2
Cadmium	BQL	0.672	mg/kg	U	2
Calcium	6520	112	mg/kg	H	2
Chromium	10.1	1.12	mg/kg		2
Cobalt	4.59	1.12	mg/kg		2
Copper	7.22	1.12	mg/kg		2
Iron	18000	22.4	mg/kg		2
Lead	8.61	0.672	mg/kg		2
Magnesium	1640	56	mg/kg		2
Manganese	424	1.12	mg/kg		2
Nickel	14.3	1.12	mg/kg		2
Potassium	822	56	mg/kg		2
Selenium	BQL	1.12	mg/kg	U	2
Silver	BQL	0.672	mg/kg	U	2
Sodium	109	224	mg/kg	B	2
Thallium	BQL	2.24	mg/kg	U	2
Vanadium	18.0	1.12	mg/kg		2
Zinc	29.5	3.36	mg/kg		2

Summary of Analytical Results

Client ID AA3001
GPL ID: 10063-003-07-1/1
Matrix: Water
Date Collected: Oct-11-2000
Date Received: Oct-12-2000

Prep Method: SW7470A_DIG
Prep Date: Oct-23-2000
Prep Time: 14:00
Prep Chemist: Kelvin Choi

Analytical Method: SW7470A
Date Analyzed: Oct-24-2000
Time Analyzed 12:22
Analyst: Kelvin Choi

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	0.220	0.2	ug/L		1

Summary of Analytical Results

Client ID AA3003
GPL ID: 10063-004-07-1/1
Matrix: Water
Date Collected: Oct-12-2000
Date Received: Oct-12-2000

Prep Method: SW7470A_DIG
Prep Date: Oct-23-2000
Prep Time: 14:00
Prep Chemist: Kelvin Choi

Analytical Method: SW7470A
Date Analyzed: Oct-24-2000
Time Analyzed 12:25
Analyst: Kelvin Choi

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	BQL	0.2	ug/L	U	1

Summary of Analytical Results

Client ID AA3004
GPL ID: 10063-005-08-1/1
Matrix: Water
Date Collected: Oct-12-2000
Date Received: Oct-12-2000

Prep Method: SW7470A_DIG
Prep Date: Oct-23-2000
Prep Time: 14:00
Prep Chemist: Kelvin Choi

Analytical Method: SW7470A
Date Analyzed: Oct-24-2000
Time Analyzed 12:27
Analyst: Kelvin Choi

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	0.126	0.2	ug/L	B	1

Summary of Analytical Results

Client ID AA3007
GPL ID: 10063-006-06-1/1
Matrix: Water
Date Collected: Oct-11-2000
Date Received: Oct-12-2000

Prep Method: SW7470A_DIG
Prep Date: Oct-23-2000
Prep Time: 14:00
Prep Chemist: Kelvin Choi

Analytical Method: SW7470A
Date Analyzed: Oct-24-2000
Time Analyzed 13:10
Analyst: Kelvin Choi

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	BQL	0.2	ug/L	U	1

Summary of Analytical Results

Client ID AA3008	**Prep Method: SW7470A_DIG**	**Analytical Method: SW7470A**
GPL ID: 10063-007-07-1/1	**Prep Date: Oct-23-2000**	**Date Analyzed: Oct-24-2000**
Matrix: Water	**Prep Time: 14:00**	**Time Analyzed 13:13**
Date Collected: Oct-12-2000	**Prep Chemist: Kelvin Choi**	**Analyst: Kelvin Choi**
Date Received: Oct-12-2000		

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	0.230	0.2	ug/L		1

Summary of Analytical Results

Client ID AB0426
GPL ID: 10063-008-05-1
Matrix: Soil
Date Collected: Oct-12-2000
Date Received: Oct-12-2000

Prep Method: SW7471_DIG
Prep Date: Oct-18-2000
Prep Time: 14:00
Prep Chemist: Kelvin Choi

Analytical Method: SW7471A
Date Analyzed: Oct-19-2000
Time Analyzed 12:23
Analyst: Kelvin Choi

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	0.173	0.037	mg/kg		1

Summary of Analytical Results

Client ID AB0430
GPL ID: 10063-009-05-1
Matrix: Soil
Date Collected: Oct-12-2000
Date Received: Oct-12-2000

Prep Method: SW7471_DIG
Prep Date: Oct-18-2000
Prep Time: 14:00
Prep Chemist: Kelvin Choi

Analytical Method: SW7471A
Date Analyzed: Oct-19-2000
Time Analyzed 12:25
Analyst: Kelvin Choi

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	0.059	0.038	mg/kg		1

Summary of Analytical Results

Client ID AB0431
GPL ID: 10063-010-05-1
Matrix: Soil
Date Collected: Oct-12-2000
Date Received: Oct-12-2000

Prep Method: SW7471_DIG
Prep Date: Oct-18-2000
Prep Time: 14:00
Prep Chemist: Kelvin Choi

Analytical Method: SW7471A
Date Analyzed: Oct-19-2000
Time Analyzed 12:28
Analyst: Kelvin Choi

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	0.022	0.04	mg/kg	B	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB0447
GPL ID: 10063-011-05-1
Matrix: Soil
Date Collected: Oct-12-2000
Date Received: Oct-12-2000

Prep Method: SW7471_DIG
Prep Date: Oct-18-2000
Prep Time: 14:00
Prep Chemist: Kelvin Choi

Analytical Method: SW7471A
Date Analyzed: Oct-19-2000
Time Analyzed 12:30
Analyst: Kelvin Choi

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	0.086	0.033	mg/kg		1

Summary of Analytical Results

Client ID AB0475
GPL ID: 10063-014-05-1
Matrix: Soil
Date Collected: Oct-12-2000
Date Received: Oct-12-2000

Prep Method: SW7471_DIG
Prep Date: Oct-18-2000
Prep Time: 14:00
Prep Chemist: Kelvin Choi

Analytical Method: SW7471A
Date Analyzed: Oct-19-2000
Time Analyzed 12:38
Analyst: Kelvin Choi

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	0.068	0.039	mg/kg		1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB0476
GPL ID: 10063-015-05-1
Matrix: Soil
Date Collected: Oct-12-2000
Date Received: Oct-12-2000

Prep Method: SW7471_DIG
Prep Date: Oct-18-2000
Prep Time: 14:00
Prep Chemist: Kelvin Choi

Analytical Method: SW7471A
Date Analyzed: Oct-19-2000
Time Analyzed 12:41
Analyst: Kelvin Choi

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	0.072	0.039	mg/kg		1

Summary of Analytical Results

Client ID AB0477
GPL ID: 10063-016-05-1
Matrix: Soil
Date Collected: Oct-12-2000
Date Received: Oct-12-2000

Prep Method: SW7471_DIG
Prep Date: Oct-18-2000
Prep Time: 14:00
Prep Chemist: Kelvin Choi

Analytical Method: SW7471A
Date Analyzed: Oct-19-2000
Time Analyzed 12:44
Analyst: Kelvin Choi

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	BQL	0.037	mg/kg	U	1

Summary of Analytical Results

Client ID AB0478
GPL ID: 10063-017-05-1
Matrix: Soil
Date Collected: Oct-12-2000
Date Received: Oct-12-2000

Prep Method: SW7471_DIG
Prep Date: Oct-18-2000
Prep Time: 14:00
Prep Chemist: Kelvin Choi

Analytical Method: SW7471A
Date Analyzed: Oct-19-2000
Time Analyzed 12:52
Analyst: Kelvin Choi

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	0.021	0.037	mg/kg	B	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB0479
GPL ID: 10063-018-05-1
Matrix: Soil
Date Collected: Oct-12-2000
Date Received: Oct-12-2000

Prep Method: SW7471_DIG
Prep Date: Oct-18-2000
Prep Time: 14:00
Prep Chemist: Kelvin Choi

Analytical Method: SW7471A
Date Analyzed: Oct-19-2000
Time Analyzed 12:54
Analyst: Kelvin Choi

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	0.031	0.035	mg/kg	B	1

TOTAL METALS

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BLANKS

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 10063W

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Aluminum	23.1	U	23.1	U	23.1	U	23.1	U	23.100	U	P
Antimony	3.7	U	3.7	U	3.7	U	3.7	U	3.700	U	P
Arsenic	3.2	U	3.2	U	3.2	U	3.2	U	3.200	U	P
Barium	0.6	U	0.6	U	0.6	U	0.6	U	0.600	U	P
Beryllium	0.1	U	0.1	U	0.1	U	0.1	U	0.100	U	P
Cadmium	0.4	U	0.4	U	0.5	B	0.4	B	0.400	U	P
Calcium	104.0	U	104.0	U	104.0	U	104.0	U	121.501	B	P
Chromium	1.0	B	0.8	U	0.8	U	0.8	U	0.800	U	P
Cobalt	0.9	U	0.9	U	0.9	U	1.1	B	0.900	U	P
Copper	1.2	U	1.2	U	1.2	U	1.2	U	1.778	B	P
Iron	15.0	U	15.0	U	17.1	B	28.8	B	30.350	B	P
Lead	1.5	U	1.5	U	1.5	U	-1.9	B	1.500	U	P
Magnesium	22.4	U	22.4	U	27.0	B	42.8	B	51.317	B	P
Manganese	0.4	U	0.4	U	0.4	U	0.4	B	0.694	B	P
Mercury	0.1	U	0.1	U	0.1	U	0.1	U	0.100	U	CV
Nickel	2.0	U	2.0	U	2.0	U	2.0	U	2.000	U	P
Potassium	9.1	U	10.4	B	9.1	U	15.9	B	100.231	B	P
Selenium	2.3	U	2.3	U	2.3	U	2.3	U	2.300	U	P
Silver	1.0	B	1.0	B	0.7	B	1.6	B	1.440	B	P
Sodium	198.0	U	198.0	U	198.0	U	198.0	U	225.031	B	P
Thallium	5.5	U	5.5	U	5.5	U	5.5	U	5.500	U	P
Vanadium	0.9	U	0.9	U	0.9	U	1.1	B	0.900	U	P
Zinc	4.0	U	4.0	U	4.0	U	4.0	U	4.000	U	P

TOTAL METALS

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BLANKS

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 10063W

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C		Preparation Blank	C		M
Aluminum			79.1	B	23.1	U	23.1	U					P
Antimony			3.7	U	3.7	U	3.7	U					P
Arsenic			3.2	U	3.2	U	3.2	U					P
Barium			0.6	U	0.6	U	0.6	U					P
Beryllium			0.1	U	0.1	U	0.1	U					P
Cadmium			0.6	B	0.4	B	0.4	B					P
Calcium			125.0	B	104.0	U	104.0	U					P
Chromium			0.8	U	0.8	U	0.8	U					P
Cobalt			0.9	U	0.9	U	1.2	B					P
Copper			1.2	U	1.2	U	1.2	U					P
Iron			45.4	B	24.7	B	26.8	B					P
Lead			1.5	U	1.5	U	1.5	U					P
Magnesium			107.0	B	39.1	B	40.1	B					P
Manganese			0.4	U	0.4	U	0.4	U					P
Mercury			-0.1	B	-0.1	B	-0.1	B					CV
Nickel			2.0	U	2.0	U	2.0	U					P
Potassium			15.6	B	15.9	B	28.3	B					P
Selenium			2.3	U	2.3	U	2.3	U					P
Silver			0.8	B	1.1	B	2.1	B					P
Sodium			198.0	U	198.0	U	370.3	B					P
Thallium			5.5	U	5.5	U	5.5	U					P
Vanadium			0.9	U	0.9	U	1.1	B					P
Zinc			4.0	U	4.0	U	4.0	U					P

TOTAL METALS

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BLANKS

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 10063W

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C		Preparation Blank	C		M
Aluminum			87.3	B	23.1	U	23.1	U					P
Antimony			3.7	U	3.7	U	3.7	U					P
Arsenic			3.2	U	3.2	U	3.2	U					P
Barium			0.6	U	0.6	U	0.6	U					P
Beryllium			0.1	U	0.1	U	0.1	U					P
Cadmium			0.5	B	0.4	U	0.4	U					P
Calcium			156.8	B	108.9	B	117.1	B					P
Chromium			0.8	U	0.8	U	0.8	U					P
Cobalt			1.1	B	0.9	U	0.9	U					P
Copper			1.8	B	1.5	B	1.4	B					P
Iron			58.3	B	27.0	B	27.9	B					P
Lead			1.5	U	1.5	U	1.5	U					P
Magnesium			121.8	B	55.1	B	46.3	B					P
Manganese			0.4	U	0.4	U	0.4	B					P
Nickel			2.0	U	2.0	U	2.0	U					P
Potassium			16.2	B	9.1	U	10.9	B					P
Selenium			2.3	U	2.3	U	2.3	U					P
Silver			1.9	B	0.9	B	1.6	B					P
Sodium			224.9	B	198.0	U	233.9	B					P
Thallium			5.5	U	5.5	U	5.5	U					P
Vanadium			0.9	U	0.9	U	0.9	U					P
Zinc			4.0	U	4.0	U	4.0	U					P

TOTAL METALS

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BLANKS

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 10063W

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C		Preparation Blank	C		M
Aluminum	23.1	U	23.1	U	23.1	U	23.1	U					P
Antimony	3.7	U	4.2	B	3.7	U	3.7	U					P
Arsenic	3.2	U	3.2	U	3.2	U	3.2	U					P
Barium	0.6	U	0.6	U	0.6	U	0.6	U					P
Beryllium	0.1	U	0.1	U	0.1	U	0.1	U					P
Cadmium	0.4	U	0.4	U	0.4	U	0.4	U					P
Calcium	104.0	U	104.0	U	104.0	U	104.0	U					P
Chromium	0.8	U	0.8	U	0.8	U	0.8	U					P
Cobalt	0.9	U	0.9	U	0.9	U	0.9	U					P
Copper	1.2	U	1.2	U	1.2	U	1.2	U					P
Iron	15.0	U	18.9	B	16.7	B	22.7	B					P
Lead	1.5	U	1.5	U	1.5	U	1.5	U					P
Magnesium	22.4	U	25.4	B	25.3	B	22.4	U					P
Manganese	0.4	U	0.4	U	0.4	U	0.4	U					P
Nickel	2.0	U	2.0	U	2.0	U	2.0	U					P
Potassium	9.1	U	12.6	B	9.1	U	9.1	U					P
Selenium	2.3	U	2.3	U	2.3	U	2.3	U					P
Silver	0.7	U	0.9	B	0.7	U	0.7	U					P
Sodium	198.0	U	198.0	U	198.0	U	198.0	U					P
Thallium	5.5	U	5.5	U	5.5	U	5.5	U					P
Vanadium	0.9	U	0.9	U	0.9	U	0.9	U					P
Zinc	4.0	U	4.0	U	4.0	U	4.0	U					P

TOTAL METALS

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BLANKS

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 10063W

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Aluminum			59.6	B	23.1	U	96.6	B			P
Antimony			3.7	U	3.7	U	3.7	U			P
Arsenic			3.2	U	3.2	U	3.2	U			P
Barium			0.6	U	0.6	U	0.6	U			P
Beryllium			0.1	U	0.1	U	0.1	B			P
Cadmium			0.4	U	0.4	U	0.4	U			P
Calcium			104.0	U	104.0	U	105.3	B			P
Chromium			0.8	U	0.8	U	0.8	U			P
Cobalt			0.9	U	0.9	U	0.9	U			P
Copper			1.2	U	1.2	U	1.2	U			P
Iron			41.0	B	31.7	B	49.7	B			P
Lead			1.5	U	1.5	U	1.5	U			P
Magnesium			74.5	B	39.1	B	116.3	B			P
Manganese			0.4	U	0.4	U	0.4	U			P
Nickel			2.0	U	2.0	U	2.0	U			P
Potassium			19.5	B	9.1	U	9.3	B			P
Selenium			2.3	U	2.3	U	2.3	U			P
Silver			0.7	U	0.7	U	0.7	U			P
Sodium			198.0	U	198.0	U	198.0	U			P
Thallium			5.5	U	5.5	U	5.5	U			P
Vanadium			0.9	U	0.9	U	0.9	U			P
Zinc			4.0	U	4.0	U	4.0	U			P

GPL Laboratories, LLLP

TOTAL METALS
-5A-
SPIKE SAMPLE RECOVERY

SAMPLE NO.

0010057-04S

Contract:

Lab Code: Case No.: SAS SDG NO.: 10063W

Matrix (soil/water): WATER Level (low/med): LOW

% Solids for Sample: 0.0

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

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Mercury	75 - 125	1.1300		0.1000	U	1.00	113.0		CV

Comments:

GPL Laboratories, LLLP

TOTAL METALS
-5A-
SPIKE SAMPLE RECOVERY

SAMPLE NO.

10037-009-11-1S

Contract:

Lab Code: Case No.: SAS SDG NO.: 10063W

Matrix (soil/water): WATER Level (low/med): LOW

% Solids for Sample: 0.0

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

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum	75 - 125	3070.2129		819.5593		2000.00	112.5		P
Antimony	75 - 125	103.1124		3.7000	U	100.00	103.1		P
Arsenic	75 - 125	155.3536		107.5737		40.00	119.4		P
Barium	75 - 125	1970.7664		84.5385		2000.00	94.3		P
Beryllium	75 - 125	50.0633		0.1915	B	50.00	99.7		P
Cadmium	75 - 125	48.5259		0.5142	B	50.00	96.0		P
Calcium	75 - 125	13400.7305		7770.8999		5000.00	112.6		P
Chromium	75 - 125	268.0351		64.6296		200.00	101.7		P
Cobalt	75 - 125	519.3378		33.6677		500.00	97.1		P
Copper	75 - 125	259.7827		5.0197		250.00	101.9		P
Iron		25481.6602		22780.3750		1000.00	270.1		P
Lead	75 - 125	20.9697		1.5000	U	20.00	104.8		P
Magnesium	75 - 125	8544.6533		3469.5129		5000.00	101.5		P
Manganese	75 - 125	847.7990		322.8702		500.00	105.0		P
Nickel	75 - 125	491.4023		8.6181		500.00	96.6		P
Potassium	75 - 125	2139.2563		1118.7703		1000.00	102.0		P
Selenium	75 - 125	63.2075		4.7117	B	60.00	97.5		P
Silver	75 - 125	49.4533		1.2583	B	50.00	96.4		P
Sodium		420649.7500		390962.5000		5000.00	593.7		P
Thallium	75 - 125	51.2130		5.5000	U	50.00	102.4		P
Vanadium	75 - 125	553.1248		60.4985		500.00	98.5		P
Zinc	75 - 125	507.6920		12.3808	B	500.00	99.1		P

Comments:

TOTAL METALS

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DUPLICATES

SAMPLE NO.

0010057-04D

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 10063W

Matrix (soil/water): WATER Level (low/med): LOW

% Solids for Sample: 0.0 % Solids for Duplicate:

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

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Mercury		0.1000	U	0.1000	U			CV

TOTAL METALS

-6-

DUPLICATES

SAMPLE NO.

10037-009-11-1D

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 10063W

Matrix (soil/water): WATER Level (low/med): LOW

% Solids for Sample: 0.0 % Solids for Duplicate:

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

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum	200.0	819.5593		934.0280		13.1		P
Antimony		3.7000	U	3.7000	U			P
Arsenic		107.5737		110.0174		2.2		P
Barium		84.5385		88.7439		4.9		P
Beryllium		0.1915	B	0.2061	B	7.3		P
Cadmium		0.5142	B	0.5236	B	1.8		P
Calcium		7770.8999		8140.4663		4.6		P
Chromium		64.6296		68.3196		5.6		P
Cobalt		33.6677		34.7253		3.1		P
Copper	5.0	5.0197		5.0129		0.1		P
Iron		22780.3750		23888.8633		4.8		P
Lead		1.5000	U	1.5000	U			P
Magnesium		3469.5129		3634.2949		4.6		P
Manganese		322.8702		339.0265		4.9		P
Nickel	5.0	8.6181		8.8312		2.4		P
Potassium	250.0	1118.7703		1088.1946		2.8		P
Selenium	5.0	4.7117	B	5.2253		10.3		P
Silver		1.2583	B	0.8895	B	34.3		P
Sodium		390962.5000		407268.3125		4.1		P
Thallium		5.5000	U	5.5000	U			P
Vanadium		60.4985		63.5027		4.8		P
Zinc		12.3808	B	12.4818	B	0.8		P

TOTAL METALS

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LABORATORY CONTROL SAMPLE

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 10063W

Solid LCS Source:

Aqueous LCS Source: HIGH PURITY

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits	%R
Aluminum	2000.0	1962.68	98.1					
Antimony	100.0	92.81	92.8					
Arsenic	40.0	36.74	91.8					
Barium	2000.0	1826.07	91.3					
Beryllium	50.0	47.59	95.2					
Cadmium	50.0	46.92	93.8					
Calcium	5000.0	4857.81	97.2					
Chromium	200.0	189.32	94.7					
Cobalt	500.0	462.41	92.5					
Copper	250.0	240.94	96.4					
Iron	1000.0	959.06	95.9					
Lead	20.0	18.56	92.8					
Magnesium	5000.0	4622.37	92.4					
Manganese	500.0	474.45	94.9					
Mercury	1.0	1.04	104.0					
Nickel	500.0	464.91	93.0					
Potassium	1000.0	1065.95	106.6					
Selenium	60.0	58.38	97.3					
Silver	50.0	47.84	95.7					
Sodium	5000.0	4997.78	100.0					
Thallium	50.0	48.32	96.6					
Vanadium	500.0	467.15	93.4					
Zinc	500.0	476.43	95.3					

TOTAL METALS

-3-

BLANKS

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 10063S

Preparation Blank Matrix (soil/water): SOIL

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Aluminum	55.2	U	55.2	U	55.2	U	55.2	U	35.136		P
Antimony	2.7	U	2.7	U	2.7	U	2.7	U	0.541	B	P
Arsenic	4.0	U	4.0	U	4.0	U	4.0	U	0.400	U	P
Barium	0.5	U	0.5	U	0.5	U	0.5	U	0.154	B	P
Beryllium	0.1	U	0.1	U	0.1	U	0.1	U	0.010	U	P
Cadmium	0.4	U	0.4	U	0.4	U	0.4	U	0.040	U	P
Calcium	140.0	U	140.0	U	140.0	U	140.0	U	100.314		P
Chromium	0.6	U	0.6	U	0.7	B	0.6	B	0.143	B	P
Cobalt	1.3	U	1.3	U	1.3	U	1.3	U	0.130	U	P
Copper	1.0	U	1.0	U	1.5	B	1.3	B	0.336	B	P
Iron	17.7	U	17.7	U	24.2	B	30.3	B	4.098	B	P
Lead	1.3	U	1.3	U	1.3	U	1.3	U	0.130	U	P
Magnesium	6.0	U	12.0	B	27.1	B	51.2	B	5.780	B	P
Manganese	0.2	U	0.2	U	0.2	U	0.2	B	0.135	B	P
Mercury	0.1	U	0.1	U	0.1	U	0.1	U	0.017	U	CV
Nickel	1.0	U	1.0	U	1.0	U	1.0	U	0.100	U	P
Potassium	11.9	U	11.9	U	11.9	U	11.9	U	8.590	B	P
Selenium	3.3	U	3.3	U	3.3	U	3.3	U	0.330	U	P
Silver	1.8	U	1.8	U	1.8	U	1.8	U	0.180	U	P
Sodium	250.0	U	250.0	U	250.0	U	250.0	U	46.496	B	P
Thallium	5.0	U	5.0	U	5.0	U	5.0	U	-0.530	B	P
Vanadium	1.1	U	1.1	U	1.1	U	1.1	U	0.110	U	P
Zinc	4.2	U	4.2	U	4.2	U	4.2	U	0.420	U	P

TOTAL METALS

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BLANKS

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 10063S

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Aluminum			55.2	U	97.3	B	55.2	U			P
Antimony			2.7	U	2.7	U	2.7	U			P
Arsenic			4.0	U	4.0	U	4.0	U			P
Barium			0.5	U	0.5	U	0.5	U			P
Beryllium			0.1	B	0.1	B	0.1	U			P
Cadmium			0.4	U	0.4	U	0.4	U			P
Calcium			140.0	U	140.0	U	140.0	U			P
Chromium			0.6	U	0.6	U	0.7	B			P
Cobalt			1.3	U	1.3	U	1.3	U			P
Copper			1.1	B	1.0	U	1.0	U			P
Iron			36.0	B	60.1	B	30.7	B			P
Lead			1.3	U	1.3	U	1.3	U			P
Magnesium			41.0	B	119.1	B	54.9	B			P
Manganese			0.2	B	0.2	U	0.2	U			P
Mercury			0.1	U	0.1	U	0.1	U			CV
Nickel			1.3	B	1.0	U	1.0	U			P
Potassium			11.9	U	11.9	U	11.9	U			P
Selenium			3.3	U	3.3	U	3.3	U			P
Silver			1.8	U	1.8	U	1.8	U			P
Sodium			250.0	U	250.0	U	250.0	U			P
Thallium			5.0	U	5.0	U	5.0	U			P
Vanadium			1.1	U	1.1	U	1.1	U			P
Zinc			4.2	U	4.2	U	4.2	U			P

TOTAL METALS

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BLANKS

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 10063S

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C		Preparation Blank	C		M
Aluminum			81.8	B	55.2	U	55.2	U					P
Antimony			2.7	U	2.7	U	2.7	U					P
Arsenic			4.0	U	4.0	U	4.0	U					P
Barium			0.5	U	0.5	U	0.5	U					P
Beryllium			0.1	B	0.1	U	0.1	U					P
Cadmium			0.4	U	0.4	U	0.4	U					P
Calcium			140.0	U	140.0	U	140.0	U					P
Chromium			0.6	U	0.6	U	1.2	B					P
Cobalt			1.3	U	1.3	U	1.3	U					P
Copper			1.0	B	1.0	U	1.0	U					P
Iron			48.9	B	17.7	U	22.3	B					P
Lead			1.3	U	1.3	U	1.3	U					P
Magnesium			103.1	B	26.2	B	34.5	B					P
Manganese			0.2	U	0.2	U	0.2	U					P
Nickel			1.0	U	1.0	U	1.0	U					P
Potassium			11.9	U	11.9	U	11.9	U					P
Selenium			3.3	U	3.3	U	3.3	U					P
Silver			1.8	U	1.8	U	1.8	U					P
Sodium			250.0	U	250.0	U	250.0	U					P
Thallium			5.0	U	5.0	U	5.0	U					P
Vanadium			1.1	U	1.1	U	1.1	U					P
Zinc			4.2	U	4.2	U	4.2	U					P

TOTAL METALS

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BLANKS

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 10063S

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Aluminum			55.2	U	55.2	U	55.2	U			P
Antimony			2.7	U	2.7	U	2.7	U			P
Arsenic			4.0	U	4.0	U	4.0	U			P
Barium			0.5	U	0.5	U	0.5	U			P
Beryllium			0.1	U	0.1	U	0.1	U			P
Cadmium			0.4	U	0.4	U	0.4	U			P
Calcium			140.0	U	140.0	U	140.0	U			P
Chromium			0.6	U	0.6	U	0.6	B			P
Cobalt			1.3	U	1.3	U	1.3	U			P
Copper			1.0	U	1.0	U	1.0	U			P
Iron			20.1	B	19.1	B	27.3	B			P
Lead			1.3	U	1.3	U	1.3	U			P
Magnesium			21.9	B	32.0	B	40.2	B			P
Manganese			0.2	U	0.2	B	0.2	U			P
Nickel			1.0	U	1.0	U	1.0	U			P
Potassium			11.9	U	11.9	U	11.9	U			P
Selenium			3.3	U	3.3	U	3.3	U			P
Silver			1.8	U	1.8	U	1.8	U			P
Sodium			250.0	U	250.0	U	250.0	U			P
Thallium			5.0	U	5.0	U	5.0	U			P
Vanadium			1.1	U	1.1	U	1.1	U			P
Zinc			4.2	U	4.2	U	4.2	U			P

TOTAL METALS

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BLANKS

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 10063S

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Aluminum			55.2	U	55.2	U					P
Antimony			2.7	U	2.7	U					P
Arsenic			4.0	U	4.0	U					P
Barium			0.5	U	0.5	U					P
Beryllium			0.1	U	0.1	U					P
Cadmium			0.4	U	0.4	U					P
Calcium			140.0	U	140.0	U					P
Chromium			0.6	U	0.6	U					P
Cobalt			1.3	U	1.3	U					P
Copper			1.0	U	1.0	U					P
Iron			18.3	B	28.3	B					P
Lead			1.3	U	1.3	U					P
Magnesium			20.8	B	50.5	B					P
Manganese			0.2	U	0.2	U					P
Nickel			1.0	B	1.0	U					P
Potassium			11.9	U	11.9	U					P
Selenium			3.3	U	3.3	U					P
Silver			1.8	U	1.8	U					P
Sodium			250.0	U	250.0	U					P
Thallium			5.0	U	5.0	U					P
Vanadium			1.1	U	1.1	U					P
Zinc			4.2	U	4.2	U					P

GPL Laboratories, LLLP

TOTAL METALS
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SPIKE SAMPLE RECOVERY

SAMPLE NO.

AB0447S

Contract:

Lab Code: Case No.: SAS SDG NO.: 10063S

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 88.3

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

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum	75 - 125	20704.5104		7261.3029		2242.58	599.5	N	P
Antimony	75 - 125	16.4109		0.6055	U	22.43	73.2	N	P
Arsenic	75 - 125	29.8692		6.5954		22.43	103.8		P
Barium	75 - 125	309.2954		40.4611		224.26	119.9		P
Beryllium	75 - 125	12.9492		0.8229		11.21	108.2		P
Cadmium	75 - 125	21.8073		0.3455	B	22.43	95.7		P
Calcium		17526.4839		34869.7770		2242.58	-773.4		P
Chromium	75 - 125	139.0721		13.2202		112.13	112.2		P
Cobalt	75 - 125	116.0068		5.7676		112.13	98.3		P
Copper	75 - 125	132.4302		19.0293		112.13	101.1		P
Iron		37842.6320		16890.7212		2242.58	934.3		P
Lead	75 - 125	422.7470		79.5044		224.26	153.1	N	P
Magnesium	75 - 125	6915.6977		4250.5597		2242.58	118.8		P
Manganese	75 - 125	627.8394		387.1335		112.13	214.7	N	P
Mercury	75 - 125	0.7962		0.0858		0.54	131.6	N	CV
Nickel	75 - 125	129.6143		17.0237		112.13	100.4		P
Potassium	75 - 125	7157.6931		1075.7141		2242.58	271.2	N	P
Selenium	75 - 125	20.5464		0.7401	U	22.43	91.6		P
Silver	75 - 125	21.8660		0.4037	U	22.43	97.5		P
Sodium	75 - 125	2791.7236		185.7666	B	2242.58	116.2		P
Thallium	75 - 125	21.0985		1.1213	U	22.43	94.1		P
Vanadium	75 - 125	154.4989		18.8154		112.13	121.0		P
Zinc	75 - 125	359.9958		151.4842		224.26	93.0		P

Comments:

TOTAL METALS

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DUPLICATES

SAMPLE NO.

AB0447D

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 10063S

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 88.3 % Solids for Duplicate: 88.3

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

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum		7261.3029		6498.5467		11.1		P
Antimony		0.6055	U	0.8381	B	200.0		P
Arsenic		6.5954		5.9577		10.2		P
Barium		40.4611		39.6862		1.9		P
Beryllium	0.2	0.8229		0.4368		61.3	*	P
Cadmium		0.3455	B	0.3615	B	4.5		P
Calcium		34869.7770		17289.0840		67.4	*	P
Chromium		13.2202		14.3380		8.1		P
Cobalt		5.7676		5.7757		0.1		P
Copper		19.0293		15.8146		18.5		P
Iron		16890.7212		16504.0573		2.3		P
Lead		79.5044		74.4808		6.5		P
Magnesium		4250.5597		2997.7007		34.6	*	P
Manganese		387.1335		410.6667		5.9		P
Mercury	0.0	0.0858		0.1015		16.7		CV
Nickel		17.0237		15.0744		12.1		P
Potassium		1075.7141		1115.3209		3.6		P
Selenium		0.7401	U	0.7328	U			P
Silver		0.4037	U	0.3997	U			P
Sodium		185.7666	B	160.2596	B	14.7		P
Thallium		1.1213	U	1.1103	U			P
Vanadium		18.8154		19.3435		2.8		P
Zinc		151.4842		155.7970		2.8		P

TOTAL METALS

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LABORATORY CONTROL SAMPLE

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 10063S

Solid LCS Source: HIGH PURITY

Aqueous LCS Source:

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Aluminum				2000.0	1943.8		1600.0	2400.0	97.2
Antimony				20.0	19.2		16.0	24.0	95.9
Arsenic				20.0	19.2		16.0	24.0	95.9
Barium				200.0	194.9		160.0	240.0	97.4
Beryllium				10.0	10.7		8.0	12.0	107.2
Cadmium				20.0	19.4		16.0	24.0	96.9
Calcium				2000.0	1951.3		1600.0	2400.0	97.6
Chromium				100.0	98.6		80.0	120.0	98.6
Cobalt				100.0	97.4		80.0	120.0	97.4
Copper				100.0	98.3		80.0	120.0	98.3
Iron				2000.0	1937.5		1600.0	2400.0	96.9
Lead				200.0	195.1		160.0	240.0	97.6
Magnesium				2000.0	1968.3		1600.0	2400.0	98.4
Manganese				100.0	97.5		80.0	120.0	97.5
Mercury				0.5	0.5		0.4	0.6	103.0
Nickel				100.0	97.3		80.0	120.0	97.3
Potassium				2000.0	1949.4		1600.0	2400.0	97.5
Selenium				20.0	18.7		16.0	24.0	93.2
Silver				20.0	18.9		16.0	24.0	94.7
Sodium				2000.0	2197.5		1600.0	2400.0	109.9
Thallium				20.0	18.2		16.0	24.0	91.1
Vanadium				100.0	97.8		80.0	120.0	97.8
Zinc				200.0	196.8		160.0	240.0	98.4

Summary of Analytical Results

Client ID AA3001
GPL ID: 10063-003
Matrix: Water
Date Collected: Oct-11-2000
Date Received: Oct-12-2000

Prep Method: SW3520C
Prep Date: Oct-18-2000
Prep Time: 00:00
Prep Chemist: Veena Telhan

Analytical Method: SW8082
Date Analyzed: Oct-24-2000
Time Analyzed 11:20
Analyst: Amy Edwards

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	1.24	ug/L	U	1
PCB-1221	BQL	1.24	ug/L	U	1
PCB-1232	BQL	1.24	ug/L	U	1
PCB-1242	BQL	1.24	ug/L	U	1
PCB-1248	BQL	1.24	ug/L	U	1
PCB-1254	BQL	1.24	ug/L	U	1
PCB-1260	BQL	2.47	ug/L	U	1

Summary of Analytical Results

Client ID AA3003
GPL ID: 10063-004
Matrix: Water
Date Collected: Oct-12-2000
Date Received: Oct-12-2000

Prep Method: SW3520C
Prep Date: Oct-18-2000
Prep Time: 00:00
Prep Chemist: Veena Telhan

Analytical Method: SW8082
Date Analyzed: Oct-24-2000
Time Analyzed 11:47
Analyst: Amy Edwards

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	1.22	ug/L	U	1
PCB-1221	BQL	1.22	ug/L	U	1
PCB-1232	BQL	1.22	ug/L	U	1
PCB-1242	BQL	1.22	ug/L	U	1
PCB-1248	BQL	1.22	ug/L	U	1
PCB-1254	BQL	1.22	ug/L	U	1
PCB-1260	24.0	2.44	ug/L	J	1

Summary of Analytical Results

Client ID AA3004
GPL ID: 10063-005
Matrix: Water
Date Collected: Oct-12-2000
Date Received: Oct-12-2000

Prep Method: SW3520C
Prep Date: Oct-18-2000
Prep Time: 00:00
Prep Chemist: Veena Telhan

Analytical Method: SW8082
Date Analyzed: Oct-24-2000
Time Analyzed 12:15
Analyst: Amy Edwards

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	1.32	ug/L	U	1
PCB-1221	BQL	1.32	ug/L	U	1
PCB-1232	BQL	1.32	ug/L	U	1
PCB-1242	BQL	1.32	ug/L	U	1
PCB-1248	BQL	1.32	ug/L	U	1
PCB-1254	BQL	1.32	ug/L	U	1
PCB-1260	BQL	2.63	ug/L	U	1

Summary of Analytical Results

Client ID AA3007
GPL ID: 10063-006
Matrix: Water
Date Collected: Oct-11-2000
Date Received: Oct-12-2000

Prep Method: SW3520C
Prep Date: Oct-18-2000
Prep Time: 00:00
Prep Chemist: Veena Telhan

Analytical Method: SW8082
Date Analyzed: Oct-24-2000
Time Analyzed 12:42
Analyst: Amy Edwards

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	1.09	ug/L	U	1
PCB-1221	BQL	1.09	ug/L	U	1
PCB-1232	BQL	1.09	ug/L	U	1
PCB-1242	BQL	1.09	ug/L	U	1
PCB-1248	BQL	1.09	ug/L	U	1
PCB-1254	BQL	1.09	ug/L	U	1
PCB-1260	BQL	2.17	ug/L	U	1

Summary of Analytical Results

Client ID AA3008
GPL ID: 10063-007
Matrix: Water
Date Collected: Oct-12-2000
Date Received: Oct-12-2000

Prep Method: SW3520C
Prep Date: Oct-18-2000
Prep Time: 00:00
Prep Chemist: Veena Telhan

Analytical Method: SW8082
Date Analyzed: Oct-24-2000
Time Analyzed 13:09
Analyst: Amy Edwards

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	1.08	ug/L	U	1
PCB-1221	BQL	1.08	ug/L	U	1
PCB-1232	BQL	1.08	ug/L	U	1
PCB-1242	BQL	1.08	ug/L	U	1
PCB-1248	BQL	1.08	ug/L	U	1
PCB-1254	BQL	1.08	ug/L	U	1
PCB-1260	BQL	2.15	ug/L	U	1

Summary of Analytical Results

Client ID AB0426
GPL ID: 10063-008-04-1
Matrix: Soil
Date Collected: Oct-12-2000
Date Received: Oct-12-2000

Prep Method: SW3550
Prep Date: Oct-17-2000
Prep Time: 08:28
Prep Chemist: Shila Soleimani

Analytical Method: SW8082
Date Analyzed: Oct-20-2000
Time Analyzed 11:33
Analyst: Amy Edwards

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	76.5	ug/kg	U	2
PCB-1221	BQL	76.5	ug/kg	U	2
PCB-1232	BQL	76.5	ug/kg	U	2
PCB-1242	BQL	76.5	ug/kg	U	2
PCB-1248	BQL	76.5	ug/kg	U	2
PCB-1254	BQL	76.5	ug/kg	U	2
PCB-1260	1420	153	ug/kg		2

Summary of Analytical Results

Client ID AB0430
GPL ID: 10063-009-04-1
Matrix: Soil
Date Collected: Oct-12-2000
Date Received: Oct-12-2000

Prep Method: SW3550
Prep Date: Oct-17-2000
Prep Time: 08:28
Prep Chemist: Shila Soleimani

Analytical Method: SW8082
Date Analyzed: Oct-30-2000
Time Analyzed 12:38
Analyst: Amy Edwards

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	194	ug/kg	U	5
PCB-1221	BQL	194	ug/kg	U	5
PCB-1232	BQL	194	ug/kg	U	5
PCB-1242	BQL	194	ug/kg	U	5
PCB-1248	BQL	194	ug/kg	U	5
PCB-1254	BQL	194	ug/kg	U	5
PCB-1260	2090	388	ug/kg		5

Summary of Analytical Results

Client ID AB0431
GPL ID: 10063-010-04-1
Matrix: Soil
Date Collected: Oct-12-2000
Date Received: Oct-12-2000

Prep Method: SW3550
Prep Date: Oct-17-2000
Prep Time: 08:28
Prep Chemist: Shila Soleimani

Analytical Method: SW8082
Date Analyzed: Oct-19-2000
Time Analyzed 15:29
Analyst: Amy Edwards

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	40	ug/kg	U	1
PCB-1221	BQL	40	ug/kg	U	1
PCB-1232	BQL	40	ug/kg	U	1
PCB-1242	BQL	40	ug/kg	U	1
PCB-1248	BQL	40	ug/kg	U	1
PCB-1254	BQL	40	ug/kg	U	1
PCB-1260	150	80	ug/kg		1

Summary of Analytical Results

Client ID AB0447
GPL ID: 10063-011-04-1
Matrix: Soil
Date Collected: Oct-12-2000
Date Received: Oct-12-2000

Prep Method: SW3550
Prep Date: Oct-17-2000
Prep Time: 08:28
Prep Chemist: Shila Soleimani

Analytical Method: SW8082
Date Analyzed: Oct-30-2000
Time Analyzed 11:16
Analyst: Amy Edwards

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	37.7	ug/kg	U	1
PCB-1221	BQL	37.7	ug/kg	U	1
PCB-1232	BQL	37.7	ug/kg	U	1
PCB-1242	BQL	37.7	ug/kg	U	1
PCB-1248	BQL	37.7	ug/kg	U	1
PCB-1254	BQL	37.7	ug/kg	U	1
PCB-1260	140	75.5	ug/kg		1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB0475
GPL ID: 10063-014-04-1
Matrix: Soil
Date Collected: Oct-12-2000
Date Received: Oct-12-2000

Prep Method: SW3550
Prep Date: Oct-17-2000
Prep Time: 08:28
Prep Chemist: Shila Soleimani

Analytical Method: SW8082
Date Analyzed: Nov-09-2000
Time Analyzed 12:16
Analyst: Amy Edwards

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	201	ug/kg	U	5
PCB-1221	BQL	201	ug/kg	U	5
PCB-1232	BQL	201	ug/kg	U	5
PCB-1242	BQL	201	ug/kg	U	5
PCB-1248	BQL	201	ug/kg	U	5
PCB-1254	969	201	ug/kg		5
PCB-1260	1580	402	ug/kg		5

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB0476
GPL ID: 10063-015-04-1
Matrix: Soil
Date Collected: Oct-12-2000
Date Received: Oct-12-2000

Prep Method: SW3550
Prep Date: Oct-17-2000
Prep Time: 08:28
Prep Chemist: Shila Soleimani

Analytical Method: SW8082
Date Analyzed: Nov-09-2000
Time Analyzed 11:48
Analyst: Amy Edwards

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	40.5	ug/kg	U	1
PCB-1221	BQL	40.5	ug/kg	U	1
PCB-1232	BQL	40.5	ug/kg	U	1
PCB-1242	BQL	40.5	ug/kg	U	1
PCB-1248	BQL	40.5	ug/kg	U	1
PCB-1254	BQL	40.5	ug/kg	U	1
PCB-1260	260	81	ug/kg		1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB0477
GPL ID: 10063-016-04-1
Matrix: Soil
Date Collected: Oct-12-2000
Date Received: Oct-12-2000

Prep Method: SW3550
Prep Date: Oct-17-2000
Prep Time: 08:28
Prep Chemist: Shila Soleimani

Analytical Method: SW8082
Date Analyzed: Oct-19-2000
Time Analyzed 19:08
Analyst: Amy Edwards

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	38.1	ug/kg	U	1
PCB-1221	BQL	38.1	ug/kg	U	1
PCB-1232	BQL	38.1	ug/kg	U	1
PCB-1242	BQL	38.1	ug/kg	U	1
PCB-1248	BQL	38.1	ug/kg	U	1
PCB-1254	BQL	38.1	ug/kg	U	1
PCB-1260	23.7	76.1	ug/kg	J	1

Summary of Analytical Results

Client ID AB0478
GPL ID: 10063-017-04-1
Matrix: Soil
Date Collected: Oct-12-2000
Date Received: Oct-12-2000

Prep Method: SW3550
Prep Date: Oct-17-2000
Prep Time: 08:28
Prep Chemist: Shila Soleimani

Analytical Method: SW8082
Date Analyzed: Oct-19-2000
Time Analyzed 19:35
Analyst: Amy Edwards

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	40.3	ug/kg	U	1
PCB-1221	BQL	40.3	ug/kg	U	1
PCB-1232	BQL	40.3	ug/kg	U	1
PCB-1242	BQL	40.3	ug/kg	U	1
PCB-1248	BQL	40.3	ug/kg	U	1
PCB-1254	BQL	40.3	ug/kg	U	1
PCB-1260	54.2	80.6	ug/kg	J	1

Summary of Analytical Results

Client ID AB0479
GPL ID: 10063-018-04-1
Matrix: Soil
Date Collected: Oct-12-2000
Date Received: Oct-12-2000

Prep Method: SW3550
Prep Date: Oct-17-2000
Prep Time: 08:28
Prep Chemist: Shila Soleimani

Analytical Method: SW8082
Date Analyzed: Oct-19-2000
Time Analyzed 20:03
Analyst: Amy Edwards

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	38.1	ug/kg	U	1
PCB-1221	BQL	38.1	ug/kg	U	1
PCB-1232	BQL	38.1	ug/kg	U	1
PCB-1242	BQL	38.1	ug/kg	U	1
PCB-1248	BQL	38.1	ug/kg	U	1
PCB-1254	BQL	38.1	ug/kg	U	1
PCB-1260	9.51	76.1	ug/kg	J	1

2E
WATER PESTICIDE SURROGATE RECOVERY

Lab Name: GPL LABORATORIES, LLLP Project: IT CORPORATIO

Lab Code: GPLL WO No.: 10063 SAS No.: N/A SDG No.: N/A

GC Column (1) : RTx-CLP ID: 0.32 (mm) GC Column (2) : RTx-CLP2 ID: 0.32 (mm)

	CLIENT SAMPLE ID	TCX 1 %REC #	TCX 2 %REC #	DCB 1 %REC #	DCB 2 %REC #	TOT OUT
01	BLK7493	99	108	104	64	0
02	BKS7493	102	100	98	61	0
03	AA3001	35	95	71	44	0
04	AA3003	87	87	52	32	0
05	AA3004	109	106	68	42	0
06	AA3007	87	96	44	29	0
07	AA3008	86	92	78	50	0

			ADVISORY QC LIMITS
TCX	=	Tetrachloro-m-xylene	(23-112)
DCB	=	Decachlorobiphenyl	(21-134)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogate diluted out

2F
SOIL PESTICIDE SURROGATE RECOVERY

Lab Name: GPL LABORATORIES Contract: IT CORPORATIO

Lab Code: GPLL Case No.: 10063 SAS No.: N/A SDG No.: N/A

GC Column (1) : RTx-CLP ID: 0.32 (mm) GC Column (2) : RTx-CLP2 ID: 0.32 (mm)

	CLIENT SAMPLE ID	TCX 1 %REC #	TCX 2 %REC #	DCB 1 %REC #	DCB 2 %REC #	TOT OUT	
01	BLK7403	105	117	94	70	0	
02	AB0431	108	116	98	77	0	
03	AB0477	118	127	104	75	0	
04	AB0478	110	128	101	78	0	
05	AB0479	106	130	95	70	0	
06	BKS7403	124	139	113	75	0	
07	AB0426 DL	126 ~~63~~ D	128 ~~64~~ D	186 ~~93~~ D*	126 ~~63~~ D	~~0~~ 1	PY 11/09/00
08	AB0447	108	110	171 *	116	1	
09	AB0447 MS	112	110	180 *	122	1	
10	AB0447 MSD	114	114	186 *	129	1	
11	AB0430 DL	93 ~~19~~ D	116 ~~23~~ D	204 ~~41~~ D*	144 ~~29~~ D	~~0~~ 1	PY
12	AB0476	98	75	92	81	0	
13	AB0475 DL	114 ~~23~~ D	103 ~~21~~ D	115 ~~23~~ D	107 ~~21~~ D	0	PY

			ADVISORY QC LIMITS
TCX	=	Tetrachloro-m-xylene	(19-191)
DCB	=	Decachlorobiphenyl	(21-155)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogate diluted out

3E

WATER PCB's MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: GPL Laboratories Client: IT_CORPRATION

Lab Code: GPL Case No.: 10052 SAS No.: N/A SDG No.: N/A

EPA Sample No.: AB3005 MS/MSD GP ID: 10052-008-06-1 MS/MSD

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC.
AR 1016	11	0	9	84	54-150
AR 1260	22	0	22	99	70-131

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC.
AR 1016	11	9	83	1	20	54-150
AR 1260	22	21.5	97	2	20	70-131

* Value outside of QC limits

RPD: 0 of 2 outside limits.

Spike Recovery: 0 of 4 outside limits.

COMMENTS:

3E

SOIL PCB's MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: GPL Laboratories Client: IT CORPORATION

Lab Code: GPL Case No.: 10063 SAS No.: N/A SDG No.: N/A

EPA Sample No.: AB0447 MS/MSD GP ID: 10063-011-1 MS/MSD

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENTRATION (ug/kg)	MS CONCENTRATION (ug/kg)	MS % REC	QC LIMITS REC.
AR 1016	193	0	285	147 *	58-133
AR 1260	387	143	423	72	40-159

COMPOUND	SPIKE ADDED (ug/kg)	MSD CONCENTRATION (ug/kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC.
AR 1016	193	280	145 *	1	20	58-133
AR 1260	387	458	82	12	15	40-159

* Value outside of QC limits

RPD: 0 of 2 outside limits.

Spike Recovery: 2 of 4 outside limits.

COMMENTS:

3E

WATER LABORATORY CONTROL SPIKE RECOVERY

Lab Name: GPL Laboratories | Client: IT CORPORATION

Lab Code: GPL | Case No.: 10063 | SAS No.: N/A | SDG No.: N/A

EPA Sample No.: BKS7493 | GP ID: BKS7493

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC
AR 1016	5	0	6.0	120	54-164
AR 1260	10	0	8.5	85	80-145

* Value outside of QC limits

Spike recovery: 0 out of 2 outside limits.

COMMENTS:

3E
SOIL LABORATORY CONTROL SPIKE RECOVERY

Lab Name: GPL Laboratories | Client: IT_CORPORATION

Lab Code: GPL | Case No.: 10063 | SAS No.: N/A | SDG No.: N/A

EPA Sample No.: BKS7403 | GP ID: BKS7403

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENTRATION (ug/kg)	LCS CONCENTRATION (ug/kg)	LCS % REC	QC LIMITS REC
AR 1016	170	0	160	98	54-164
AR 1260	330	0	320	96	80-145

* Value outside of QC limits

Spike recovery: 0 out of 2 outside limits.

COMMENTS:

4C

PESTICIDE METHOD BLANK SUMMARY

CLIENT ID

BLK7493

Lab Name: GPL LABORATORIES, LLLP Project: IT CORPORAT

Lab Code: GPLL WO No.: 10063 SAS No.: N/A SDG No.: N/A

Lab Sample ID: BLK7493 Lab File ID: J11162.D

Matrix: (soil/water) WATER Extraction: (SepF/Cont/Sonc) CONT

Sulfur Cleanup: (Y/N) N Date Extracted: 10/23/00

Date Analyzed (1) : 10/24/00 Date Analyzed (2) : 10/24/00

Time Analyzed (1) : 1025 Time Analyzed (2) : 1025

Instrument ID (1) : GC-J Instrument ID (2) : GC-J

GC Column (1) : RTx-CLP ID: 0.32 (mm) GC Column (2) : RTx-CLP2 ID: 0.32 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	BKS7493	BKS7493	10/24/00	10/24/00
02	AA3001	10063-003-04-1	10/24/00	10/24/00
03	AA3003	10063-004-04-1	10/24/00	10/24/00
04	AA3004	10063-005-04-1	10/24/00	10/24/00
05	AA3007	10063-006-04-1	10/24/00	10/24/00
06	AA3008	10063-007-04-1	10/24/00	10/24/00

COMMENTS:

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

BLK7403

Lab Name: GPL LABORATORIES Contract: IT CORPORAT

Lab Code: GPLL Case No.: 10063 SAS No.: N/A SDG No.: N/A

Lab Sample ID: BLK7403 Lab File ID: J11118.D

Matrix: (soil/water) SOIL Extraction: (SepF/Cont/Sonc) SONC

Sulfur Cleanup: (Y/N) N Date Extracted: 10/17/00

Date Analyzed (1) : 10/19/00 Date Analyzed (2) : 10/19/00

Time Analyzed (1) : 1340 Time Analyzed (2) : 1340

Instrument ID (1) : GC-J Instrument ID (2) : GC-J

GC Column (1) : RTx-CLP ID: 0.32 (mm) GC Column (2) : RTx-CLP2 ID: 0.32 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	AB0431	10063-010-04-1	10/19/00	10/19/00
02	AB0477	10063-016-04-1	10/19/00	10/19/00
03	AB0478	10063-017-04-1	10/19/00	10/19/00
04	AB0479	10063-018-04-1	10/19/00	10/19/00
05	BKS7403	BKS7403	10/20/00	10/20/00
06	AB0426 DL	10063-008-04-1 2X	10/20/00	10/20/00
07	AB0447	10063-011-1	10/30/00	10/30/00
08	AB0447 MS	10063-011-1 MS	10/30/00	10/30/00
09	AB0447 MSD	10063-011-1 MSD	10/30/00	10/30/00
10	AB0430 DL	10063-009-1 5X	10/30/00	10/30/00
11	AB0476	10063-015-1	11/09/00	11/09/00
12	AB0475 DL	10063-014-1 5X	11/09/00	11/09/00

COMMENTS:

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB0426
GPL ID: 10063-008-01-1/3
Matrix: Soil
Date Collected: Oct-12-2000
Date Received: Oct-12-2000

Prep Method: SW5035
Prep Date: Oct-16-2000
Prep Time: 09:14
Prep Chemist: NAZIH ABADEER

Analytical Method: SW8260B_TCL
Date Analyzed: Oct-16-2000
Time Analyzed 15:50
Analyst: Jannina S. Bryan

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	4.95	ug/kg	U	1
1,1,2,2-Tetrachloroethane	BQL	4.95	ug/kg	U	1
1,1,2-Trichloroethane	BQL	4.95	ug/kg	U	1
1,1-Dichloroethane	BQL	4.95	ug/kg	U	1
1,1-Dichloroethene	BQL	4.95	ug/kg	U	1
1,2-Dichloroethane	BQL	4.95	ug/kg	U	1
1,2-Dichloropropane	BQL	4.95	ug/kg	U	1
2-Butanone	BQL	9.91	ug/kg	U	1
2-Hexanone	BQL	9.91	ug/kg	U	1
4-Methyl-2-Pentanone	BQL	9.91	ug/kg	U	1
Acetone	456	9.91	ug/kg		1
Benzene	BQL	4.95	ug/kg	U	1
Bromodichloromethane	BQL	4.95	ug/kg	U	1
Bromoform	BQL	4.95	ug/kg	U	1
Bromomethane	BQL	9.91	ug/kg	U	1
Carbon Disulfide	BQL	4.95	ug/kg	U	1
Carbon Tetrachloride	BQL	4.95	ug/kg	U	1
Chlorobenzene	BQL	4.95	ug/kg	U	1
Chloroethane	BQL	9.91	ug/kg	U	1
Chloroform	BQL	4.95	ug/kg	U	1
Chloromethane	BQL	9.91	ug/kg	U	1
Dibromochloromethane	BQL	4.95	ug/kg	U	1
Ethylbenzene	2.07	4.95	ug/kg	J	1
Methylene Chloride	35.5	4.95	ug/kg	B	1
Styrene	1.97	4.95	ug/kg	J	1
Tetrachloroethene	BQL	4.95	ug/kg	U	1
Toluene	26.4	4.95	ug/kg		1
Trichloroethene	BQL	4.95	ug/kg	U	1
Vinyl Chloride	BQL	9.91	ug/kg	U	1
cis-1,2-Dichloroethene	BQL	4.95	ug/kg	U	1
cis-1,3-Dichloropropene	BQL	4.95	ug/kg	U	1
m,p-Xylenes	7.50	4.95	ug/kg		1
o-Xylene	3.07	4.95	ug/kg	J	1
trans-1,2-dichloroethene	BQL	4.95	ug/kg	U	1
trans-1,3-dichloropropene	BQL	4.95	ug/kg	U	1

Summary of Analytical Results

Client ID AB0426
GPL ID: 10063-008-02-2/3 RE
Matrix: Soil
Date Collected: Oct-12-2000
Date Received: Oct-12-2000

Prep Method: SW5035
Prep Date: Oct-17-2000
Prep Time: 08:41
Prep Chemist: Abid Mahmood

Analytical Method: SW8260B_TCL
Date Analyzed: Oct-17-2000
Time Analyzed 16:04
Analyst: Jannina S. Bryan

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	5.74	ug/kg	U	1
1,1,2,2-Tetrachloroethane	BQL	5.74	ug/kg	U	1
1,1,2-Trichloroethane	BQL	5.74	ug/kg	U	1
1,1-Dichloroethane	BQL	5.74	ug/kg	U	1
1,1-Dichloroethene	BQL	5.74	ug/kg	U	1
1,2-Dichloroethane	BQL	5.74	ug/kg	U	1
1,2-Dichloropropane	BQL	5.74	ug/kg	U	1
2-Butanone	BQL	11.5	ug/kg	U	1
2-Hexanone	BQL	11.5	ug/kg	U	1
4-Methyl-2-Pentanone	BQL	11.5	ug/kg	U	1
Acetone	638	11.5	ug/kg		1
Benzene	2.90	5.74	ug/kg	J	1
Bromodichloromethane	BQL	5.74	ug/kg	U	1
Bromoform	BQL	5.74	ug/kg	U	1
Bromomethane	BQL	11.5	ug/kg	U	1
Carbon Disulfide	7.15	5.74	ug/kg		1
Carbon Tetrachloride	BQL	5.74	ug/kg	U	1
Chlorobenzene	BQL	5.74	ug/kg	U	1
Chloroethane	BQL	11.5	ug/kg	U	1
Chloroform	BQL	5.74	ug/kg	U	1
Chloromethane	BQL	11.5	ug/kg	U	1
Dibromochloromethane	BQL	5.74	ug/kg	U	1
Ethylbenzene	1.19	5.74	ug/kg	U	1
Methylene Chloride	17.1	5.74	ug/kg	B	1
Styrene	BQL	5.74	ug/kg	U	1
Tetrachloroethene	BQL	5.74	ug/kg	U	1
Toluene	32.4	5.74	ug/kg		1
Trichloroethene	BQL	5.74	ug/kg	U	1
Vinyl Chloride	BQL	11.5	ug/kg	U	1
cis-1,2-Dichloroethene	BQL	5.74	ug/kg	U	1
cis-1,3-Dichloropropene	BQL	5.74	ug/kg	U	1
m,p-Xylenes	2.24	5.74	ug/kg	U	1
o-Xylene	BQL	5.74	ug/kg	U	1
trans-1,2-dichloroethene	BQL	5.74	ug/kg	U	1
trans-1,3-dichloropropene	BQL	5.74	ug/kg	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB0430
GPL ID: 10063-009-01-1/3
Matrix: Soil
Date Collected: Oct-12-2000
Date Received: Oct-12-2000

Prep Method: SW5035
Prep Date: Oct-16-2000
Prep Time: 09:14
Prep Chemist: NAZIH ABADEER

Analytical Method: SW8260B_TCL
Date Analyzed: Oct-16-2000
Time Analyzed 16:30
Analyst: Jannina S. Bryan

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	5.32	ug/kg	U	1
1,1,2,2-Tetrachloroethane	BQL	5.32	ug/kg	U	1
1,1,2-Trichloroethane	BQL	5.32	ug/kg	U	1
1,1-Dichloroethane	BQL	5.32	ug/kg	U	1
1,1-Dichloroethene	BQL	5.32	ug/kg	U	1
1,2-Dichloroethane	BQL	5.32	ug/kg	U	1
1,2-Dichloropropane	BQL	5.32	ug/kg	U	1
2-Butanone	BQL	10.6	ug/kg	U	1
2-Hexanone	BQL	10.6	ug/kg	U	1
4-Methyl-2-Pentanone	BQL	10.6	ug/kg	U	1
Acetone	49.5	10.6	ug/kg		1
Benzene	BQL	5.32	ug/kg	U	1
Bromodichloromethane	BQL	5.32	ug/kg	U	1
Bromoform	BQL	5.32	ug/kg	U	1
Bromomethane	BQL	10.6	ug/kg	U	1
Carbon Disulfide	3.65	5.32	ug/kg	J	1
Carbon Tetrachloride	BQL	5.32	ug/kg	U	1
Chlorobenzene	BQL	5.32	ug/kg	U	1
Chloroethane	BQL	10.6	ug/kg	U	1
Chloroform	BQL	5.32	ug/kg	U	1
Chloromethane	BQL	10.6	ug/kg	U	1
Dibromochloromethane	BQL	5.32	ug/kg	U	1
Ethylbenzene	BQL	5.32	ug/kg	U	1
Methylene Chloride	9.02	5.32	ug/kg	B	1
Styrene	BQL	5.32	ug/kg	U	1
Tetrachloroethene	BQL	5.32	ug/kg	U	1
Toluene	BQL	5.32	ug/kg	U	1
Trichloroethene	BQL	5.32	ug/kg	U	1
Vinyl Chloride	BQL	10.6	ug/kg	U	1
cis-1,2-Dichloroethene	BQL	5.32	ug/kg	U	1
cis-1,3-Dichloropropene	BQL	5.32	ug/kg	U	1
m,p-Xylenes	BQL	5.32	ug/kg	U	1
o-Xylene	BQL	5.32	ug/kg	U	1
trans-1,2-dichloroethene	BQL	5.32	ug/kg	U	1
trans-1,3-dichloropropene	BQL	5.32	ug/kg	U	1

Summary of Analytical Results

Client ID AB0431
GPL ID: 10063-010-02-2/3
Matrix: Soil
Date Collected: Oct-12-2000
Date Received: Oct-12-2000

Prep Method: SW5035
Prep Date: Oct-17-2000
Prep Time: 08:41
Prep Chemist: Abid Mahmood

Analytical Method: SW8260B_TCL
Date Analyzed: Oct-17-2000
Time Analyzed 16:42
Analyst: Jannina S. Bryan

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	4.7	ug/kg	U	1
1,1,2,2-Tetrachloroethane	BQL	4.7	ug/kg	U	1
1,1,2-Trichloroethane	BQL	4.7	ug/kg	U	1
1,1-Dichloroethane	BQL	4.7	ug/kg	U	1
1,1-Dichloroethene	BQL	4.7	ug/kg	U	1
1,2-Dichloroethane	BQL	4.7	ug/kg	U	1
1,2-Dichloropropane	BQL	4.7	ug/kg	U	1
2-Butanone	BQL	9.41	ug/kg	U	1
2-Hexanone	BQL	9.41	ug/kg	U	1
4-Methyl-2-Pentanone	BQL	9.41	ug/kg	U	1
Acetone	98.6	9.41	ug/kg		1
Benzene	2.16	4.7	ug/kg	J	1
Bromodichloromethane	BQL	4.7	ug/kg	U	1
Bromoform	BQL	4.7	ug/kg	U	1
Bromomethane	BQL	9.41	ug/kg	U	1
Carbon Disulfide	3.76	4.7	ug/kg	J	1
Carbon Tetrachloride	BQL	4.7	ug/kg	U	1
Chlorobenzene	BQL	4.7	ug/kg	U	1
Chloroethane	BQL	9.41	ug/kg	U	1
Chloroform	BQL	4.7	ug/kg	U	1
Chloromethane	BQL	9.41	ug/kg	U	1
Dibromochloromethane	BQL	4.7	ug/kg	U	1
Ethylbenzene	BQL	4.7	ug/kg	U	1
Methylene Chloride	4.34	4.7	ug/kg	JB	1
Styrene	BQL	4.7	ug/kg	U	1
Tetrachloroethene	BQL	4.7	ug/kg	U	1
Toluene	2.55	4.7	ug/kg	J	1
Trichloroethene	BQL	4.7	ug/kg	U	1
Vinyl Chloride	BQL	9.41	ug/kg	U	1
cis-1,2-Dichloroethene	BQL	4.7	ug/kg	U	1
cis-1,3-Dichloropropene	BQL	4.7	ug/kg	U	1
m,p-Xylenes	BQL	4.7	ug/kg	U	1
o-Xylene	BQL	4.7	ug/kg	U	1
trans-1,2-dichloroethene	BQL	4.7	ug/kg	U	1
trans-1,3-dichloropropene	BQL	4.7	ug/kg	U	1

Summary of Analytical Results

Client ID AB0447
GPL ID: 10063-011-02-2/3
Matrix: Soil
Date Collected: Oct-12-2000
Date Received: Oct-12-2000

Prep Method: SW5035
Prep Date: Oct-17-2000
Prep Time: 08:41
Prep Chemist: Abid Mahmood

Analytical Method: SW8260B_TCL
Date Analyzed: Oct-17-2000
Time Analyzed 17:21
Analyst: Jannina S. Bryan

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	4.88	ug/kg	U	1
1,1,2,2-Tetrachloroethane	BQL	4.88	ug/kg	U	1
1,1,2-Trichloroethane	BQL	4.88	ug/kg	U	1
1,1-Dichloroethane	BQL	4.88	ug/kg	U	1
1,1-Dichloroethene	BQL	4.88	ug/kg	U	1
1,2-Dichloroethane	BQL	4.88	ug/kg	U	1
1,2-Dichloropropane	BQL	4.88	ug/kg	U	1
2-Butanone	BQL	9.76	ug/kg	U	1
2-Hexanone	BQL	9.76	ug/kg	U	1
4-Methyl-2-Pentanone	BQL	9.76	ug/kg	U	1
Acetone	84.6	9.76	ug/kg		1
Benzene	1.62	4.88	ug/kg	U	1
Bromodichloromethane	BQL	4.88	ug/kg	U	1
Bromoform	BQL	4.88	ug/kg	U	1
Bromomethane	BQL	9.76	ug/kg	U	1
Carbon Disulfide	10.0	4.88	ug/kg		1
Carbon Tetrachloride	BQL	4.88	ug/kg	U	1
Chlorobenzene	BQL	4.88	ug/kg	U	1
Chloroethane	BQL	9.76	ug/kg	U	1
Chloroform	BQL	4.88	ug/kg	U	1
Chloromethane	BQL	9.76	ug/kg	U	1
Dibromochloromethane	BQL	4.88	ug/kg	U	1
Ethylbenzene	BQL	4.88	ug/kg	U	1
Methylene Chloride	6.22	4.88	ug/kg	B	1
Styrene	BQL	4.88	ug/kg	U	1
Tetrachloroethene	BQL	4.88	ug/kg	U	1
Toluene	1.84	4.88	ug/kg	J	1
Trichloroethene	BQL	4.88	ug/kg	U	1
Vinyl Chloride	BQL	9.76	ug/kg	U	1
cis-1,2-Dichloroethene	BQL	4.88	ug/kg	U	1
cis-1,3-Dichloropropene	BQL	4.88	ug/kg	U	1
m,p-Xylenes	BQL	4.88	ug/kg	U	1
o-Xylene	BQL	4.88	ug/kg	U	1
trans-1,2-dichloroethene	BQL	4.88	ug/kg	U	1
trans-1,3-dichloropropene	BQL	4.88	ug/kg	U	1

Summary of Analytical Results

Client ID AB0475
GPL ID: 10063-014-02-2/3
Matrix: Soil
Date Collected: Oct-12-2000
Date Received: Oct-12-2000

Prep Method: SW5035
Prep Date: Oct-17-2000
Prep Time: 08:41
Prep Chemist: Abid Mahmood

Analytical Method: SW8260B_TCL
Date Analyzed: Oct-17-2000
Time Analyzed 17:59
Analyst: Jannina S. Bryan

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	5.61	ug/kg	U	1
1,1,2,2-Tetrachloroethane	BQL	5.61	ug/kg	U	1
1,1,2-Trichloroethane	BQL	5.61	ug/kg	U	1
1,1-Dichloroethane	BQL	5.61	ug/kg	U	1
1,1-Dichloroethene	BQL	5.61	ug/kg	U	1
1,2-Dichloroethane	BQL	5.61	ug/kg	U	1
1,2-Dichloropropane	BQL	5.61	ug/kg	U	1
2-Butanone	BQL	11.2	ug/kg	U	1
2-Hexanone	BQL	11.2	ug/kg	U	1
4-Methyl-2-Pentanone	BQL	11.2	ug/kg	U	1
Acetone	112	11.2	ug/kg		1
Benzene	2.41	5.61	ug/kg	J	1
Bromodichloromethane	BQL	5.61	ug/kg	U	1
Bromoform	BQL	5.61	ug/kg	U	1
Bromomethane	BQL	11.2	ug/kg	U	1
Carbon Disulfide	10.9	5.61	ug/kg		1
Carbon Tetrachloride	BQL	5.61	ug/kg	U	1
Chlorobenzene	BQL	5.61	ug/kg	U	1
Chloroethane	BQL	11.2	ug/kg	U	1
Chloroform	BQL	5.61	ug/kg	U	1
Chloromethane	BQL	11.2	ug/kg	U	1
Dibromochloromethane	BQL	5.61	ug/kg	U	1
Ethylbenzene	BQL	5.61	ug/kg	U	1
Methylene Chloride	6.10	5.61	ug/kg	B	1
Styrene	BQL	5.61	ug/kg	U	1
Tetrachloroethene	BQL	5.61	ug/kg	U	1
Toluene	3.85	5.61	ug/kg	J	1
Trichloroethene	BQL	5.61	ug/kg	U	1
Vinyl Chloride	BQL	11.2	ug/kg	U	1
cis-1,2-Dichloroethene	BQL	5.61	ug/kg	U	1
cis-1,3-Dichloropropene	BQL	5.61	ug/kg	U	1
m,p-Xylenes	BQL	5.61	ug/kg	U	1
o-Xylene	BQL	5.61	ug/kg	U	1
trans-1,2-dichloroethene	BQL	5.61	ug/kg	U	1
trans-1,3-dichloropropene	BQL	5.61	ug/kg	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB0476
GPL ID: 10063-015-01-1/3
Matrix: Soil
Date Collected: Oct-12-2000
Date Received: Oct-12-2000

Prep Method: SW5035
Prep Date: Oct-16-2000
Prep Time: 09:14
Prep Chemist: NAZIH ABADEER

Analytical Method: SW8260B_TCL
Date Analyzed: Oct-16-2000
Time Analyzed 20:30
Analyst: Jannina S. Bryan

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	5.22	ug/kg	U	1
1,1,2,2-Tetrachloroethane	BQL	5.22	ug/kg	U	1
1,1,2-Trichloroethane	BQL	5.22	ug/kg	U	1
1,1-Dichloroethane	BQL	5.22	ug/kg	U	1
1,1-Dichloroethene	BQL	5.22	ug/kg	U	1
1,2-Dichloroethane	BQL	5.22	ug/kg	U	1
1,2-Dichloropropane	BQL	5.22	ug/kg	U	1
2-Butanone	BQL	10.4	ug/kg	U	1
2-Hexanone	BQL	10.4	ug/kg	U	1
4-Methyl-2-Pentanone	BQL	10.4	ug/kg	U	1
Acetone	19.6	10.4	ug/kg		1
Benzene	BQL	5.22	ug/kg	U	1
Bromodichloromethane	BQL	5.22	ug/kg	U	1
Bromoform	BQL	5.22	ug/kg	U	1
Bromomethane	BQL	10.4	ug/kg	U	1
Carbon Disulfide	1.75	5.22	ug/kg	J	1
Carbon Tetrachloride	BQL	5.22	ug/kg	U	1
Chlorobenzene	BQL	5.22	ug/kg	U	1
Chloroethane	BQL	10.4	ug/kg	U	1
Chloroform	BQL	5.22	ug/kg	U	1
Chloromethane	BQL	10.4	ug/kg	U	1
Dibromochloromethane	BQL	5.22	ug/kg	U	1
Ethylbenzene	BQL	5.22	ug/kg	U	1
Methylene Chloride	7.98	5.22	ug/kg	B	1
Styrene	BQL	5.22	ug/kg	U	1
Tetrachloroethene	BQL	5.22	ug/kg	U	1
Toluene	BQL	5.22	ug/kg	U	1
Trichloroethene	BQL	5.22	ug/kg	U	1
Vinyl Chloride	BQL	10.4	ug/kg	U	1
cis-1,2-Dichloroethene	BQL	5.22	ug/kg	U	1
cis-1,3-Dichloropropene	BQL	5.22	ug/kg	U	1
m,p-Xylenes	BQL	5.22	ug/kg	U	1
o-Xylene	BQL	5.22	ug/kg	U	1
trans-1,2-dichloroethene	BQL	5.22	ug/kg	U	1
trans-1,3-dichloropropene	BQL	5.22	ug/kg	U	1

Summary of Analytical Results

Client ID AB0477
GPL ID: 10063-016-01-1/3
Matrix: Soil
Date Collected: Oct-12-2000
Date Received: Oct-12-2000

Prep Method: SW5035
Prep Date: Oct-16-2000
Prep Time: 09:14
Prep Chemist: NAZIH ABADEER

Analytical Method: SW8260B_TCL
Date Analyzed: Oct-16-2000
Time Analyzed 21:09
Analyst: Jannina S. Bryan

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	4.84	ug/kg	U	1
1,1,2,2-Tetrachloroethane	BQL	4.84	ug/kg	U	1
1,1,2-Trichloroethane	BQL	4.84	ug/kg	U	1
1,1-Dichloroethane	BQL	4.84	ug/kg	U	1
1,1-Dichloroethene	BQL	4.84	ug/kg	U	1
1,2-Dichloroethane	BQL	4.84	ug/kg	U	1
1,2-Dichloropropane	BQL	4.84	ug/kg	U	1
2-Butanone	BQL	9.69	ug/kg	U	1
2-Hexanone	BQL	9.69	ug/kg	U	1
4-Methyl-2-Pentanone	BQL	9.69	ug/kg	U	1
Acetone	BQL	9.69	ug/kg	U	1
Benzene	BQL	4.84	ug/kg	U	1
Bromodichloromethane	BQL	4.84	ug/kg	U	1
Bromoform	BQL	4.84	ug/kg	U	1
Bromomethane	BQL	9.69	ug/kg	U	1
Carbon Disulfide	BQL	4.84	ug/kg	U	1
Carbon Tetrachloride	BQL	4.84	ug/kg	U	1
Chlorobenzene	BQL	4.84	ug/kg	U	1
Chloroethane	BQL	9.69	ug/kg	U	1
Chloroform	BQL	4.84	ug/kg	U	1
Chloromethane	BQL	9.69	ug/kg	U	1
Dibromochloromethane	BQL	4.84	ug/kg	U	1
Ethylbenzene	BQL	4.84	ug/kg	U	1
Methylene Chloride	51.4	4.84	ug/kg	B	1
Styrene	BQL	4.84	ug/kg	U	1
Tetrachloroethene	BQL	4.84	ug/kg	U	1
Toluene	13.9	4.84	ug/kg		1
Trichloroethene	BQL	4.84	ug/kg	U	1
Vinyl Chloride	BQL	9.69	ug/kg	U	1
cis-1,2-Dichloroethene	BQL	4.84	ug/kg	U	1
cis-1,3-Dichloropropene	BQL	4.84	ug/kg	U	1
m,p-Xylenes	3.89	4.84	ug/kg	J	1
o-Xylene	BQL	4.84	ug/kg	U	1
trans-1,2-dichloroethene	BQL	4.84	ug/kg	U	1
trans-1,3-dichloropropene	BQL	4.84	ug/kg	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB0477
GPL ID: 10063-016-02-2/3 RE
Matrix: Soil
Date Collected: Oct-12-2000
Date Received: Oct-12-2000

Prep Method: SW5035
Prep Date: Oct-17-2000
Prep Time: 08:41
Prep Chemist: Abid Mahmood

Analytical Method: SW8260B_TCL
Date Analyzed: Oct-17-2000
Time Analyzed 18:38
Analyst: Jannina S. Bryan

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	5.71	ug/kg	U	1
1,1,2,2-Tetrachloroethane	BQL	5.71	ug/kg	U	1
1,1,2-Trichloroethane	BQL	5.71	ug/kg	U	1
1,1-Dichloroethane	BQL	5.71	ug/kg	U	1
1,1-Dichloroethene	BQL	5.71	ug/kg	U	1
1,2-Dichloroethane	BQL	5.71	ug/kg	U	1
1,2-Dichloropropane	BQL	5.71	ug/kg	U	1
2-Butanone	BQL	11.4	ug/kg	U	1
2-Hexanone	BQL	11.4	ug/kg	U	1
4-Methyl-2-Pentanone	BQL	11.4	ug/kg	U	1
Acetone	52.2	11.4	ug/kg		1
Benzene	1.43	5.71	ug/kg	U	1
Bromodichloromethane	BQL	5.71	ug/kg	U	1
Bromoform	BQL	5.71	ug/kg	U	1
Bromomethane	BQL	11.4	ug/kg	U	1
Carbon Disulfide	BQL	5.71	ug/kg	U	1
Carbon Tetrachloride	BQL	5.71	ug/kg	U	1
Chlorobenzene	BQL	5.71	ug/kg	U	1
Chloroethane	BQL	11.4	ug/kg	U	1
Chloroform	BQL	5.71	ug/kg	U	1
Chloromethane	BQL	11.4	ug/kg	U	1
Dibromochloromethane	BQL	5.71	ug/kg	U	1
Ethylbenzene	BQL	5.71	ug/kg	U	1
Methylene Chloride	4.02	5.71	ug/kg	JB	1
Styrene	BQL	5.71	ug/kg	U	1
Tetrachloroethene	BQL	5.71	ug/kg	U	1
Toluene	2.96	5.71	ug/kg	J	1
Trichloroethene	BQL	5.71	ug/kg	U	1
Vinyl Chloride	BQL	11.4	ug/kg	U	1
cis-1,2-Dichloroethene	BQL	5.71	ug/kg	U	1
cis-1,3-Dichloropropene	BQL	5.71	ug/kg	U	1
m,p-Xylenes	BQL	5.71	ug/kg	U	1
o-Xylene	BQL	5.71	ug/kg	U	1
trans-1,2-dichloroethene	BQL	5.71	ug/kg	U	1
trans-1,3-dichloropropene	BQL	5.71	ug/kg	U	1

Summary of Analytical Results

Client ID AB0478
GPL ID: 10063-017-01-1/3
Matrix: Soil
Date Collected: Oct-12-2000
Date Received: Oct-12-2000

Prep Method: SW5035
Prep Date: Oct-17-2000
Prep Time: 08:41
Prep Chemist: Abid Mahmood

Analytical Method: SW8260B_TCL
Date Analyzed: Oct-17-2000
Time Analyzed 14:48
Analyst: Jannina S. Bryan

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	5.76	ug/kg	U	1
1,1,2,2-Tetrachloroethane	BQL	5.76	ug/kg	U	1
1,1,2-Trichloroethane	BQL	5.76	ug/kg	U	1
1,1-Dichloroethane	BQL	5.76	ug/kg	U	1
1,1-Dichloroethene	BQL	5.76	ug/kg	U	1
1,2-Dichloroethane	BQL	5.76	ug/kg	U	1
1,2-Dichloropropane	BQL	5.76	ug/kg	U	1
2-Butanone	BQL	11.5	ug/kg	U	1
2-Hexanone	BQL	11.5	ug/kg	U	1
4-Methyl-2-Pentanone	BQL	11.5	ug/kg	U	1
Acetone	60.2	11.5	ug/kg		1
Benzene	1.84	5.76	ug/kg	U	1
Bromodichloromethane	BQL	5.76	ug/kg	U	1
Bromoform	BQL	5.76	ug/kg	U	1
Bromomethane	BQL	11.5	ug/kg	U	1
Carbon Disulfide	BQL	5.76	ug/kg	U	1
Carbon Tetrachloride	BQL	5.76	ug/kg	U	1
Chlorobenzene	BQL	5.76	ug/kg	U	1
Chloroethane	BQL	11.5	ug/kg	U	1
Chloroform	BQL	5.76	ug/kg	U	1
Chloromethane	BQL	11.5	ug/kg	U	1
Dibromochloromethane	BQL	5.76	ug/kg	U	1
Ethylbenzene	BQL	5.76	ug/kg	U	1
Methylene Chloride	12.2	5.76	ug/kg	B	1
Styrene	BQL	5.76	ug/kg	U	1
Tetrachloroethene	BQL	5.76	ug/kg	U	1
Toluene	3.20	5.76	ug/kg	J	1
Trichloroethene	BQL	5.76	ug/kg	U	1
Vinyl Chloride	BQL	11.5	ug/kg	U	1
cis-1,2-Dichloroethene	BQL	5.76	ug/kg	U	1
cis-1,3-Dichloropropene	BQL	5.76	ug/kg	U	1
m,p-Xylenes	1.20	5.76	ug/kg	U	1
o-Xylene	BQL	5.76	ug/kg	U	1
trans-1,2-dichloroethene	BQL	5.76	ug/kg	U	1
trans-1,3-dichloropropene	BQL	5.76	ug/kg	U	1

Summary of Analytical Results

Client ID AB0479
GPL ID: 10063-018-01-1/3
Matrix: Soil
Date Collected: Oct-12-2000
Date Received: Oct-12-2000

Prep Method: SW5035
Prep Date: Oct-17-2000
Prep Time: 08:41
Prep Chemist: Abid Mahmood

Analytical Method: SW8260B_TCL
Date Analyzed: Oct-17-2000
Time Analyzed 15:26
Analyst: Jannina S. Bryan

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	4.48	ug/kg	U	1
1,1,2,2-Tetrachloroethane	BQL	4.48	ug/kg	U	1
1,1,2-Trichloroethane	BQL	4.48	ug/kg	U	1
1,1-Dichloroethane	BQL	4.48	ug/kg	U	1
1,1-Dichloroethene	BQL	4.48	ug/kg	U	1
1,2-Dichloroethane	BQL	4.48	ug/kg	U	1
1,2-Dichloropropane	BQL	4.48	ug/kg	U	1
2-Butanone	BQL	8.96	ug/kg	U	1
2-Hexanone	BQL	8.96	ug/kg	U	1
4-Methyl-2-Pentanone	BQL	8.96	ug/kg	U	1
Acetone	69.6	8.96	ug/kg		1
Benzene	1.85	4.48	ug/kg	J	1
Bromodichloromethane	BQL	4.48	ug/kg	U	1
Bromoform	BQL	4.48	ug/kg	U	1
Bromomethane	BQL	8.96	ug/kg	U	1
Carbon Disulfide	27.2	4.48	ug/kg		1
Carbon Tetrachloride	BQL	4.48	ug/kg	U	1
Chlorobenzene	BQL	4.48	ug/kg	U	1
Chloroethane	BQL	8.96	ug/kg	U	1
Chloroform	BQL	4.48	ug/kg	U	1
Chloromethane	BQL	8.96	ug/kg	U	1
Dibromochloromethane	BQL	4.48	ug/kg	U	1
Ethylbenzene	1.19	4.48	ug/kg	U	1
Methylene Chloride	5.83	4.48	ug/kg	B	1
Styrene	BQL	4.48	ug/kg	U	1
Tetrachloroethene	BQL	4.48	ug/kg	U	1
Toluene	2.96	4.48	ug/kg	J	1
Trichloroethene	BQL	4.48	ug/kg	U	1
Vinyl Chloride	BQL	8.96	ug/kg	U	1
cis-1,2-Dichloroethene	BQL	4.48	ug/kg	U	1
cis-1,3-Dichloropropene	BQL	4.48	ug/kg	U	1
m,p-Xylenes	1.14	4.48	ug/kg	U	1
o-Xylene	BQL	4.48	ug/kg	U	1
trans-1,2-dichloroethene	BQL	4.48	ug/kg	U	1
trans-1,3-dichloropropene	BQL	4.48	ug/kg	U	1

Summary of Analytical Results

Client ID 10112000-TB5
GPL ID: 10063-001-01-1/2
Matrix: Water
Date Collected: Oct-11-2000
Date Received: Oct-12-2000

Prep Method: SW5030B
Prep Date: Oct-18-2000
Prep Time: 07:00
Prep Chemist: Jannina S. Bryan

Analytical Method: SW8260LL_TCL
Date Analyzed: Oct-18-2000
Time Analyzed 09:02
Analyst: Jannina S. Bryan

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	1	ug/L	U	1
1,1,2,2-Tetrachloroethane	BQL	1	ug/L	U	1
1,1,2-Trichloroethane	BQL	1	ug/L	U	1
1,1-Dichloroethane	BQL	1	ug/L	U	1
1,1-Dichloroethene	BQL	1	ug/L	U	1
1,2-Dichloroethane	BQL	1	ug/L	U	1
1,2-Dichloropropane	BQL	1	ug/L	U	1
2-Butanone	BQL	5	ug/L	U	1
2-Hexanone	BQL	5	ug/L	U	1
4-Methyl-2-Pentanone	BQL	5	ug/L	U	1
Acetone	BQL	5	ug/L	U	1
Benzene	BQL	1	ug/L	U	1
Bromodichloromethane	BQL	1	ug/L	U	1
Bromoform	BQL	1	ug/L	U	1
Bromomethane	BQL	1	ug/L	U	1
Carbon Disulfide	BQL	1	ug/L	U	1
Carbon Tetrachloride	BQL	1	ug/L	U	1
Chlorobenzene	BQL	1	ug/L	U	1
Chloroethane	BQL	1	ug/L	U	1
Chloroform	BQL	1	ug/L	U	1
Chloromethane	BQL	1	ug/L	U	1
Dibromochloromethane	BQL	1	ug/L	U	1
Ethylbenzene	BQL	1	ug/L	U	1
Methylene Chloride	0.970	1	ug/L	JB	1
Styrene	BQL	1	ug/L	U	1
Tetrachloroethene	BQL	1	ug/L	U	1
Toluene	BQL	1	ug/L	U	1
Trichloroethene	BQL	1	ug/L	U	1
Vinyl Chloride	BQL	1	ug/L	U	1
cis-1,2-Dichloroethene	BQL	1	ug/L	U	1
cis-1,3-Dichloropropene	BQL	1	ug/L	U	1
m,p-Xylenes	BQL	1	ug/L	U	1
o-Xylene	BQL	1	ug/L	U	1
trans-1,2-dichloroethene	BQL	1	ug/L	U	1
trans-1,3-dichloropropene	BQL	1	ug/L	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID 10122000-TB2
GPL ID: 10063-002-01-1/2
Matrix: Water
Date Collected: Oct-12-2000
Date Received: Oct-12-2000

Prep Method: SW5030B
Prep Date: Oct-18-2000
Prep Time: 07:00
Prep Chemist: Jannina S. Bryan

Analytical Method: SW8260LL_TCL
Date Analyzed: Oct-18-2000
Time Analyzed 09:36
Analyst: Jannina S. Bryan

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	1	ug/L	U	1
1,1,2,2-Tetrachloroethane	BQL	1	ug/L	U	1
1,1,2-Trichloroethane	BQL	1	ug/L	U	1
1,1-Dichloroethane	BQL	1	ug/L	U	1
1,1-Dichloroethene	BQL	1	ug/L	U	1
1,2-Dichloroethane	BQL	1	ug/L	U	1
1,2-Dichloropropane	BQL	1	ug/L	U	1
2-Butanone	BQL	5	ug/L	U	1
2-Hexanone	BQL	5	ug/L	U	1
4-Methyl-2-Pentanone	BQL	5	ug/L	U	1
Acetone	BQL	5	ug/L	U	1
Benzene	BQL	1	ug/L	U	1
Bromodichloromethane	BQL	1	ug/L	U	1
Bromoform	BQL	1	ug/L	U	1
Bromomethane	BQL	1	ug/L	U	1
Carbon Disulfide	BQL	1	ug/L	U	1
Carbon Tetrachloride	BQL	1	ug/L	U	1
Chlorobenzene	BQL	1	ug/L	U	1
Chloroethane	BQL	1	ug/L	U	1
Chloroform	BQL	1	ug/L	U	1
Chloromethane	BQL	1	ug/L	U	1
Dibromochloromethane	BQL	1	ug/L	U	1
Ethylbenzene	BQL	1	ug/L	U	1
Methylene Chloride	1.15	1	ug/L	B	1
Styrene	BQL	1	ug/L	U	1
Tetrachloroethene	BQL	1	ug/L	U	1
Toluene	BQL	1	ug/L	U	1
Trichloroethene	BQL	1	ug/L	U	1
Vinyl Chloride	BQL	1	ug/L	U	1
cis-1,2-Dichloroethene	BQL	1	ug/L	U	1
cis-1,3-Dichloropropene	BQL	1	ug/L	U	1
m,p-Xylenes	BQL	1	ug/L	U	1
o-Xylene	BQL	1	ug/L	U	1
trans-1,2-dichloroethene	BQL	1	ug/L	U	1
trans-1,3-dichloropropene	BQL	1	ug/L	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AA3001
GPL ID: 10063-003-01-1/3
Matrix: Water
Date Collected: Oct-11-2000
Date Received: Oct-12-2000

Prep Method: SW5030B
Prep Date: Oct-17-2000
Prep Time: 07:19
Prep Chemist: Jannina S. Bryan

Analytical Method: SW8260LL_TCL
Date Analyzed: Oct-17-2000
Time Analyzed 16:50
Analyst: Jannina S. Bryan

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	1	ug/L	U	1
1,1,2,2-Tetrachloroethane	BQL	1	ug/L	U	1
1,1,2-Trichloroethane	BQL	1	ug/L	U	1
1,1-Dichloroethane	BQL	1	ug/L	U	1
1,1-Dichloroethene	BQL	1	ug/L	U	1
1,2-Dichloroethane	BQL	1	ug/L	U	1
1,2-Dichloropropane	BQL	1	ug/L	U	1
2-Butanone	BQL	5	ug/L	U	1
2-Hexanone	BQL	5	ug/L	U	1
4-Methyl-2-Pentanone	BQL	5	ug/L	U	1
Acetone	BQL	5	ug/L	U	1
Benzene	4.81	1	ug/L		1
Bromodichloromethane	BQL	1	ug/L	U	1
Bromoform	BQL	1	ug/L	U	1
Bromomethane	BQL	1	ug/L	U	1
Carbon Disulfide	1.16	1	ug/L		1
Carbon Tetrachloride	BQL	1	ug/L	U	1
Chlorobenzene	BQL	1	ug/L	U	1
Chloroethane	BQL	1	ug/L	U	1
Chloroform	BQL	1	ug/L	U	1
Chloromethane	BQL	1	ug/L	U	1
Dibromochloromethane	BQL	1	ug/L	U	1
Ethylbenzene	2.33	1	ug/L		1
Methylene Chloride	0.990	1	ug/L	JB	1
Styrene	BQL	1	ug/L	U	1
Tetrachloroethene	BQL	1	ug/L	U	1
Toluene	1280	1	ug/L		1
Trichloroethene	BQL	1	ug/L	U	1
Vinyl Chloride	BQL	1	ug/L	U	1
cis-1,2-Dichloroethene	BQL	1	ug/L	U	1
cis-1,3-Dichloropropene	BQL	1	ug/L	U	1
m,p-Xylenes	6.90	1	ug/L		1
o-Xylene	5.29	1	ug/L		1
trans-1,2-dichloroethene	BQL	1	ug/L	U	1
trans-1,3-dichloropropene	BQL	1	ug/L	U	1

Summary of Analytical Results

Client ID AA3001
GPL ID: 10063-003-02-2/3 DL 50X
Matrix: Water
Date Collected: Oct-11-2000
Date Received: Oct-12-2000

Prep Method: SW5030B
Prep Date: Oct-18-2000
Prep Time: 07:00
Prep Chemist: Jannina S. Bryan

Analytical Method: SW8260LL_TCL
Date Analyzed: Oct-18-2000
Time Analyzed 10:10
Analyst: Jannina S. Bryan

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	50	ug/L	U	50
1,1,2,2-Tetrachloroethane	BQL	50	ug/L	U	50
1,1,2-Trichloroethane	BQL	50	ug/L	U	50
1,1-Dichloroethane	BQL	50	ug/L	U	50
1,1-Dichloroethene	BQL	50	ug/L	U	50
1,2-Dichloroethane	BQL	50	ug/L	U	50
1,2-Dichloropropane	BQL	50	ug/L	U	50
2-Butanone	BQL	250	ug/L	U	50
2-Hexanone	BQL	250	ug/L	U	50
4-Methyl-2-Pentanone	BQL	250	ug/L	U	50
Acetone	BQL	250	ug/L	U	50
Benzene	BQL	50	ug/L	U	50
Bromodichloromethane	BQL	50	ug/L	U	50
Bromoform	BQL	50	ug/L	U	50
Bromomethane	BQL	50	ug/L	U	50
Carbon Disulfide	BQL	50	ug/L	U	50
Carbon Tetrachloride	BQL	50	ug/L	U	50
Chlorobenzene	BQL	50	ug/L	U	50
Chloroethane	BQL	50	ug/L	U	50
Chloroform	BQL	50	ug/L	U	50
Chloromethane	BQL	50	ug/L	U	50
Dibromochloromethane	BQL	50	ug/L	U	50
Ethylbenzene	BQL	50	ug/L	U	50
Methylene Chloride	40.0	50	ug/L	JB	50
Styrene	BQL	50	ug/L	U	50
Tetrachloroethene	BQL	50	ug/L	U	50
Toluene	1350	50	ug/L		50
Trichloroethene	BQL	50	ug/L	U	50
Vinyl Chloride	BQL	50	ug/L	U	50
cis-1,2-Dichloroethene	BQL	50	ug/L	U	50
cis-1,3-Dichloropropene	BQL	50	ug/L	U	50
m,p-Xylenes	BQL	50	ug/L	U	50
o-Xylene	BQL	50	ug/L	U	50
trans-1,2-dichloroethene	BQL	50	ug/L	U	50
trans-1,3-dichloropropene	BQL	50	ug/L	U	50

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AA3003
GPL ID: 10063-004-01-1/3
Matrix: Water
Date Collected: Oct-12-2000
Date Received: Oct-12-2000

Prep Method: SW5030B
Prep Date: Oct-17-2000
Prep Time: 07:19
Prep Chemist: Jannina S. Bryan

Analytical Method: SW8260LL_TCL
Date Analyzed: Oct-17-2000
Time Analyzed 17:24
Analyst: Jannina S. Bryan

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	1	ug/L	U	1
1,1,2,2-Tetrachloroethane	BQL	1	ug/L	U	1
1,1,2-Trichloroethane	BQL	1	ug/L	U	1
1,1-Dichloroethane	BQL	1	ug/L	U	1
1,1-Dichloroethene	BQL	1	ug/L	U	1
1,2-Dichloroethane	BQL	1	ug/L	U	1
1,2-Dichloropropane	BQL	1	ug/L	U	1
2-Butanone	BQL	5	ug/L	U	1
2-Hexanone	BQL	5	ug/L	U	1
4-Methyl-2-Pentanone	BQL	5	ug/L	U	1
Acetone	BQL	5	ug/L	U	1
Benzene	BQL	1	ug/L	U	1
Bromodichloromethane	BQL	1	ug/L	U	1
Bromoform	BQL	1	ug/L	U	1
Bromomethane	BQL	1	ug/L	U	1
Carbon Disulfide	0.790	1	ug/L	J	1
Carbon Tetrachloride	BQL	1	ug/L	U	1
Chlorobenzene	BQL	1	ug/L	U	1
Chloroethane	BQL	1	ug/L	U	1
Chloroform	BQL	1	ug/L	U	1
Chloromethane	BQL	1	ug/L	U	1
Dibromochloromethane	BQL	1	ug/L	U	1
Ethylbenzene	BQL	1	ug/L	U	1
Methylene Chloride	0.940	1	ug/L	JB	1
Styrene	BQL	1	ug/L	U	1
Tetrachloroethene	BQL	1	ug/L	U	1
Toluene	5.24	1	ug/L		1
Trichloroethene	BQL	1	ug/L	U	1
Vinyl Chloride	BQL	1	ug/L	U	1
cis-1,2-Dichloroethene	BQL	1	ug/L	U	1
cis-1,3-Dichloropropene	BQL	1	ug/L	U	1
m,p-Xylenes	BQL	1	ug/L	U	1
o-Xylene	BQL	1	ug/L	U	1
trans-1,2-dichloroethene	BQL	1	ug/L	U	1
trans-1,3-dichloropropene	BQL	1	ug/L	U	1

Summary of Analytical Results

Client ID AA3004
GPL ID: 10063-005-01-1/3
Matrix: Water
Date Collected: Oct-12-2000
Date Received: Oct-12-2000

Prep Method: SW5030B
Prep Date: Oct-17-2000
Prep Time: 07:19
Prep Chemist: Jannina S. Bryan

Analytical Method: SW8260LL_TCL
Date Analyzed: Oct-17-2000
Time Analyzed 17:58
Analyst: Jannina S. Bryan

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	1	ug/L	U	1
1,1,2,2-Tetrachloroethane	BQL	1	ug/L	U	1
1,1,2-Trichloroethane	BQL	1	ug/L	U	1
1,1-Dichloroethane	BQL	1	ug/L	U	1
1,1-Dichloroethene	BQL	1	ug/L	U	1
1,2-Dichloroethane	BQL	1	ug/L	U	1
1,2-Dichloropropane	BQL	1	ug/L	U	1
2-Butanone	BQL	5	ug/L	U	1
2-Hexanone	BQL	5	ug/L	U	1
4-Methyl-2-Pentanone	BQL	5	ug/L	U	1
Acetone	BQL	5	ug/L	U	1
Benzene	BQL	1	ug/L	U	1
Bromodichloromethane	BQL	1	ug/L	U	1
Bromoform	BQL	1	ug/L	U	1
Bromomethane	BQL	1	ug/L	U	1
Carbon Disulfide	BQL	1	ug/L	U	1
Carbon Tetrachloride	BQL	1	ug/L	U	1
Chlorobenzene	BQL	1	ug/L	U	1
Chloroethane	BQL	1	ug/L	U	1
Chloroform	BQL	1	ug/L	U	1
Chloromethane	BQL	1	ug/L	U	1
Dibromochloromethane	BQL	1	ug/L	U	1
Ethylbenzene	BQL	1	ug/L	U	1
Methylene Chloride	0.860	1	ug/L	JB	1
Styrene	BQL	1	ug/L	U	1
Tetrachloroethene	BQL	1	ug/L	U	1
Toluene	BQL	1	ug/L	U	1
Trichloroethene	BQL	1	ug/L	U	1
Vinyl Chloride	BQL	1	ug/L	U	1
cis-1,2-Dichloroethene	BQL	1	ug/L	U	1
cis-1,3-Dichloropropene	BQL	1	ug/L	U	1
m,p-Xylenes	BQL	1	ug/L	U	1
o-Xylene	BQL	1	ug/L	U	1
trans-1,2-dichloroethene	BQL	1	ug/L	U	1
trans-1,3-dichloropropene	BQL	1	ug/L	U	1

Summary of Analytical Results

Client ID AA3007
GPL ID: 10063-006-01-1/3
Matrix: Water
Date Collected: Oct-11-2000
Date Received: Oct-12-2000

Prep Method: SW5030B
Prep Date: Oct-17-2000
Prep Time: 07:19
Prep Chemist: Jannina S. Bryan

Analytical Method: SW8260LL_TCL
Date Analyzed: Oct-17-2000
Time Analyzed 18:31
Analyst: Jannina S. Bryan

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	1	ug/L	U	1
1,1,2,2-Tetrachloroethane	BQL	1	ug/L	U	1
1,1,2-Trichloroethane	BQL	1	ug/L	U	1
1,1-Dichloroethane	BQL	1	ug/L	U	1
1,1-Dichloroethene	BQL	1	ug/L	U	1
1,2-Dichloroethane	BQL	1	ug/L	U	1
1,2-Dichloropropane	BQL	1	ug/L	U	1
2-Butanone	BQL	5	ug/L	U	1
2-Hexanone	BQL	5	ug/L	U	1
4-Methyl-2-Pentanone	BQL	5	ug/L	U	1
Acetone	BQL	5	ug/L	U	1
Benzene	BQL	1	ug/L	U	1
Bromodichloromethane	BQL	1	ug/L	U	1
Bromoform	BQL	1	ug/L	U	1
Bromomethane	BQL	1	ug/L	U	1
Carbon Disulfide	0.860	1	ug/L	J	1
Carbon Tetrachloride	BQL	1	ug/L	U	1
Chlorobenzene	BQL	1	ug/L	U	1
Chloroethane	BQL	1	ug/L	U	1
Chloroform	BQL	1	ug/L	U	1
Chloromethane	BQL	1	ug/L	U	1
Dibromochloromethane	BQL	1	ug/L	U	1
Ethylbenzene	BQL	1	ug/L	U	1
Methylene Chloride	0.750	1	ug/L	JB	1
Styrene	BQL	1	ug/L	U	1
Tetrachloroethene	BQL	1	ug/L	U	1
Toluene	BQL	1	ug/L	U	1
Trichloroethene	BQL	1	ug/L	U	1
Vinyl Chloride	BQL	1	ug/L	U	1
cis-1,2-Dichloroethene	BQL	1	ug/L	U	1
cis-1,3-Dichloropropene	BQL	1	ug/L	U	1
m,p-Xylenes	BQL	1	ug/L	U	1
o-Xylene	BQL	1	ug/L	U	1
trans-1,2-dichloroethene	BQL	1	ug/L	U	1
trans-1,3-dichloropropene	BQL	1	ug/L	U	1

Summary of Analytical Results

Client ID AA3008
GPL ID: 10063-007-01-1/3
Matrix: Water
Date Collected: Oct-12-2000
Date Received: Oct-12-2000

Prep Method: SW5030B
Prep Date: Oct-18-2000
Prep Time: 07:00
Prep Chemist: Jannina S. Bryan

Analytical Method: SW8260LL_TCL
Date Analyzed: Oct-18-2000
Time Analyzed 10:44
Analyst: Jannina S. Bryan

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	1	ug/L	U	1
1,1,2,2-Tetrachloroethane	BQL	1	ug/L	U	1
1,1,2-Trichloroethane	BQL	1	ug/L	U	1
1,1-Dichloroethane	BQL	1	ug/L	U	1
1,1-Dichloroethene	BQL	1	ug/L	U	1
1,2-Dichloroethane	BQL	1	ug/L	U	1
1,2-Dichloropropane	BQL	1	ug/L	U	1
2-Butanone	BQL	5	ug/L	U	1
2-Hexanone	BQL	5	ug/L	U	1
4-Methyl-2-Pentanone	BQL	5	ug/L	U	1
Acetone	BQL	5	ug/L	U	1
Benzene	BQL	1	ug/L	U	1
Bromodichloromethane	BQL	1	ug/L	U	1
Bromoform	BQL	1	ug/L	U	1
Bromomethane	BQL	1	ug/L	U	1
Carbon Disulfide	BQL	1	ug/L	U	1
Carbon Tetrachloride	BQL	1	ug/L	U	1
Chlorobenzene	BQL	1	ug/L	U	1
Chloroethane	BQL	1	ug/L	U	1
Chloroform	BQL	1	ug/L	U	1
Chloromethane	BQL	1	ug/L	U	1
Dibromochloromethane	BQL	1	ug/L	U	1
Ethylbenzene	BQL	1	ug/L	U	1
Methylene Chloride	0.590	1	ug/L	JB	1
Styrene	BQL	1	ug/L	U	1
Tetrachloroethene	BQL	1	ug/L	U	1
Toluene	1.11	1	ug/L		1
Trichloroethene	BQL	1	ug/L	U	1
Vinyl Chloride	BQL	1	ug/L	U	1
cis-1,2-Dichloroethene	BQL	1	ug/L	U	1
cis-1,3-Dichloropropene	BQL	1	ug/L	U	1
m,p-Xylenes	BQL	1	ug/L	U	1
o-Xylene	BQL	1	ug/L	U	1
trans-1,2-dichloroethene	BQL	1	ug/L	U	1
trans-1,3-dichloropropene	BQL	1	ug/L	U	1

2B

SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: GPL LABORATORIES, LLLP Contract: PLUMBROOK_ORDN

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Level: (low/med) LOW

	CLIENT SAMPLE NO.	SMC1 #	SMC2 #	SMC3 #	SMC4 #	TOT OUT
01	BLK7418	81	90	74	73	0
02	BKS7418	91	83	81	82	0
03	AB0426	20 *	103	189 *	219 *	3
04	AB0430	92	88	81	80	0
05	AB0447 MS	97	94	89	95	0
06	AB0447 MSD	87	94	91	98	0
07	AB0476	91	84	83	89	0
08	AB0477	35 *	282 *	167 *	214 *	4
09	BLK7453	94	77	86	82	0
10	BKS7453	97	87	92	91	0
11	AB0478	112	89	116	127	0
12	AB0479	110	89	124 *	124	1
13	AB0426 RE	152 *	123 *	194 *	163 *	4
14	AB0431	102	83	108	117	0
15	AB0447	110	86	114	132	0
16	AB0475	109	85	111	129	0
17	AB0477 RE	96	120	102	103	0

			QC LIMITS
SMC1	=	1,2-Dichloroethane-d4	(72-129)
SMC2	=	Toluene-d8	(68-122)
SMC3	=	4-Bromofluorobenzene	(71-122)
SMC4	=	1,2-Dichlorobenzene-d4	(68-138)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

2A
WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: GPL LABORATORIES, LLLP Contract: PLUMBROOK_ORDN

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

	CLIENT SAMPLE NO.	SMC1 #	SMC2 #	SMC3 #	SMC4 #	TOT OUT
01	BLK7421	112	119	109	108	0
02	BKS7421	92	92	90	79	0
03	AA3001	102	102	97	100	0
04	AA3003	88	89	84	81	0
05	AA3004	88	86	83	82	0
06	AA3007	88	93	87	89	0
07	BLK7419	91	81	81	78	0
08	BKS7419	95	94	95	85	0
09	10112000-TB5	83	88	82	80	0
10	10122000-TB2	91	91	81	79	0
11	AA3001 DL	109	113	96	98	0
12	AA3008	106	97	88	89	0

Ar 11/13/00

			QC LIMITS
SMC1	=	1,2-Dichloroethane-d4	(77-133)
SMC2	=	Toluene-d8	(74-128)
SMC3	=	4-Bromofluorobenzene	(81-125)
SMC4	=	1,2-Dichlorobenzene-d4	(76-134)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

3B

SOIL VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: GPL LABORATORIES, LLLP Contract: PLUMBROOK_O

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Matrix Spike - EPA Sample No.: AB0447 Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC LIMITS REC.
1,1-Dichloroethene	49	0.0	41	84	39 - 147
Benzene	49	1.7	32	61	36 - 150
Trichloroethene	49	0.0	29	59	33 - 150
Toluene	49	1.9	28	53	34 - 151
Chlorobenzene	49	0.0	17	35	33 - 143

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	48	40	83	1	25	39 - 147
Benzene	48	38	75	21	25	36 - 150
Trichloroethene	48	33	69	16	25	33 - 150
Toluene	48	34	67	23	25	34 - 151
Chlorobenzene	48	22	46	27 *	25	33 - 143

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 1 out of 5 outside limits

Spike Recovery: 0 out of 10 outside limits

COMMENTS:

3A

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: GPL LABORATORIES, LLLP Contract: GENERAL_PHYS

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Matrix Spike - EPA Sample No.: QRP2A

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
1,1-Dichloroethene	10	0.0	15	150*	51 - 134
Benzene	10	0.0	12	120	61 - 120
Trichloroethene	10	3.9	16	120	44 - 139
Toluene	10	0.0	12	120*	53 - 118
Chlorobenzene	10	0.0	11	110	68 - 125

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	10	11	110	31*	25	51 - 134
Benzene	10	8.7	87	32*	25	61 - 120
Trichloroethene	10	12	81	39*	25	44 - 139
Toluene	10	8.7	87	32*	25	53 - 118
Chlorobenzene	10	8.3	83	28*	25	68 - 125

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 5 out of 5 outside limits

Spike Recovery: 2 out of 10 outside limits

COMMENTS: _____

LAB CONTROL STANDARD RECOVERY

Lab Name:	GPL LABORATORIES, LLLP			Contract:	PLUMBROOK_ORDN
Case No.:	N/A			SDG No.:	N/A
Lab Code:	N/A			Lab Sample ID:	BKS1016
Lab File ID:	A27452.D	Matrix:	SOIL	Date Analyzed:	10/16/00

COMPOUND	LCS ADDED (ug/L)	CONCENTRATION FOUND (ug/L)	PERCENT RECOVERY #	INTERNAL LABORATORY LIMITS
Vinyl Chloride	50	40	80	29-148
1,1-Dichloroethene	50	45	90	40-150
Chloroform	50	51	102	61-146
1,2-Dichloroethane	50	49	98	59-155
1,1,1,-Trichloroethane	50	50	100	61-152
Carbon Tetrachloride	50	49	98	59-153
Bromodichloromethane	50	45	90	63-151
Trichloroethene	50	42	84	55-145
Dibromochloromethane	50	47	94	65-151
Benzene	50	46	92	52-155
Bromoform	50	50	100	36-150

* Value outside internal laboratory limits

Comments: _____

LAB CONTROL STANDARD RECOVERY

Lab Name:	GPL LABORATORIES, LLLP			Contract:	PLUMBROOK_ORDN
Case No.:	N/A			SDG No.:	N/A
Lab Code:	GPLL			Lab Sample ID:	BKS1017
Lab File ID:	S004940.D	Matrix:	SOIL	Date Analyzed:	10/17/00

COMPOUND	LCS ADDED (ugKg)	CONCENTRATION FOUND (ug/Kg)	PERCENT RECOVERY #	INTERNAL LABORATORY LIMITS
Vinyl Chloride	50	58	116	29-148
1,1-Dichloroethene	50	61	122	40-150
Chloroform	50	59	118	61-146
1,1,1-Trichloroethane	50	58	116	59-155
Carbon Tetrachloride	50	58	116	61-152
Benzene	50	55	110	59-153
1,2-Dichloroethane	50	58	116	63-151
Trichloroethene	50	54	108	55-145
Bromodichloromethane	50	55	110	65-151
Dibromochloromethane	50	53	106	52-155
Bromoform	50	50	100	36-150

* Value outside internal laboratory limits

Comments: _____

LAB CONTROL STANDARD RECOVERY

Lab Name:	GPL LABORATORIES, LLLP			Contract:	PLUMBROOK_ORDN
Case No.:	N/A			SDG No.:	N/A
Lab Code:	GPLL			Lab Sample ID:	BKS1017
Lab File ID:	E22153.D	Matrix:	WATER	Date Analyzed:	10/17/00

COMPOUND	LCS ADDED (ug/L)	CONCENTRATION FOUND (ug/L)	PERCENT RECOVERY #	INTERNAL LABORATORY LIMITS
Vinyl Chloride	10	9.4	94	42-126
1,1-Dichloroethene	10	10	105	51-134
Chloroform	10	10.3	103	64-139
1,1,1-Trichloroethane	10	9.5	95	64-150
Carbon Tetrachloride	10	10.9	109	49-169
Benzene	10	10.3	103	61-120
1,2-Dichloroethane	10	10.4	104	64-141
Trichloroethene	10	10.3	103	44-139
Bromodichloromethane	10	11.4	114	60-142
Dibromochloromethane	10	10.3	103	54-164
Bromoform	10	9.0	90	46-156

* Value outside internal laboratory limits

Comments: _____

LAB CONTROL STANDARD RECOVERY

Lab Name:	GPL LABORATORIES, LLLP			Contract:	PLUMBROOK_ORDN
Case No.:	N/A			SDG No.:	N/A
Lab Code:	GPLL			Lab Sample ID:	BKS1018
Lab File ID:	E22191.D	Matrix:	WATER	Date Analyzed:	10/18/00

COMPOUND	LCS ADDED (ug/L)	CONCENTRATION FOUND (ug/L)	PERCENT RECOVERY #	INTERNAL LABORATORY LIMITS
Vinyl Chloride	10	8.3	83	42-126
1,1-Dichloroethene	10	10	98	51-134
Chloroform	10	9.9	99	64-139
1,1,1-Trichloroethane	10	8.9	89	64-150
Carbon Tetrachloride	10	9.8	98	49-169
Benzene	10	9.7	97	61-120
1,2-Dichloroethane	10	9.9	99	64-141
Trichloroethene	10	9.2	92	44-139
Bromodichloromethane	10	10.9	109	60-142
Dibromochloromethane	10	9.2	92	54-164
Bromoform	10	8.7	87	46-156

* Value outside internal laboratory limits

Comments: _____

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

BLK7418

Lab Name: GPL LABORATORIES, LLLP Contract: PLUMBRO

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Lab File ID: A27451.D Lab Sample ID: BLK1

Date Analyzed: 10/16/00 Time Analyzed: 10:31

GC Column: RTX VO ID: 0.53 (mm) Heated Purge: (Y/N) Y

Instrument ID: HP#A

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	BKS7418	BKS1	A27452.D	11:15
02	AB0426	10063-008-01-1/3	A27458.D	15:50
03	AB0430	10063-009-01-1/3	A27459.D	16:30
04	AB0447 MS	10063-012-01-1/3MS	A27462.D	18:31
05	AB0447 MSD	10063-013-01/1/3MSD	A27463.D	19:10
06	AB0476	10063-015-01-1/3	A27465.D	20:30
07	AB0477	10063-016-01-1/3	A27466.D	21:09

COMMENTS

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

BLK7453

Lab Name: GPL LABORATORIES, LLLP Contract: PLUMBRO

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Lab File ID: S004939.D Lab Sample ID: BLK1017

Date Analyzed: 10/17/00 Time Analyzed: 09:52

GC Column: DB-VRX ID: 0.25 (mm) Heated Purge: (Y/N) Y

Instrument ID: HP#S

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	BKS7453	BKS1017	S004940.D	10:47
02	AB0478	10063-017-01-1/3	S004946.D	14:48
03	AB0479	10063-018-01-1/3	S004947.D	15:26
04	AB0426 RE	10063-008-02-1/3 RE	S004948.D	16:04
05	AB0431	10063-010-02-1/3	S004949.D	16:42
06	AB0447	10063-011-02-1/3	S004950.D	17:21
07	AB0475	10063-014-02-1/3	S004951.D	17:59
08	AB0477 RE	10063-016-02-1/3 RE	S004952.D	18:38

COMMENTS

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

BLK7421

Lab Name: GPL LABORATORIES, LLLP Contract: PLUMBRO

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Lab File ID: E22152.D Lab Sample ID: BLK1017

Date Analyzed: 10/17/00 Time Analyzed: 08:48

GC Column: RTXVOA ID: 0.53 (mm) Heated Purge: (Y/N) N

Instrument ID: 5970-E

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	BKS7421	BKS1017	E22153.D	09:21
02	AA3001	10063-003-01-1	E22166.D	16:50
03	AA3003	10063-004-01-1	E22167.D	17:24
04	AA3004	10063-005-01-1	E22168.D	17:58
05	AA3007	10063-006-01-1	E22169.D	18:31

COMMENTS:

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

BLK7419

Lab Name: GPL LABORATORIES, LLLP Contract: PLUMBRO

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Lab File ID: E22190.D Lab Sample ID: BLK1018

Date Analyzed: 10/18/00 Time Analyzed: 07:54

GC Column: RTXVOA ID: 0.53 (mm) Heated Purge: (Y/N) N

Instrument ID: 5970-E

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	BKS7419	BKS1018	E22191.D	08:29
02	10112000-TB5	10063-001-01-1	E22192.D	09:02
03	10122000-TB2	10063-002-01-1	E22193.D	09:36
04	AA3001 DL	10063-003-01-1 DL 50	E22194.D	10:10
05	AA3008	10063-007-01-1	E22195.D	10:44

COMMENTS:

Summary of Analytical Results

Client ID AA3001DL
GPL ID: 10063-003-04-1/2
Matrix: Water
Date Collected: Oct-11-2000
Date Received: Oct-12-2000

Prep Method: SW3520C
Prep Date: Oct-18-2000
Prep Time: 00:00
Prep Chemist: Veena Telhan

Analytical Method: SW8270CTCL
Date Analyzed: Nov-06-2000
Time Analyzed 16:50
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	123	ug/L	U	10
1,2-Dichlorobenzene	BQL	123	ug/L	U	10
1,3-Dichlorobenzene	BQL	123	ug/L	U	10
1,4-Dichlorobenzene	BQL	123	ug/L	U	10
2,2-Oxybis(1-Chloro)Propane	BQL	123	ug/L	U	10
2,4,5-Trichlorophenol	BQL	123	ug/L	U	10
2,4,6-Trichlorophenol	BQL	123	ug/L	U	10
2,4-Dichlorophenol	BQL	123	ug/L	U	10
2,4-Dimethylphenol	BQL	123	ug/L	U	10
2,4-Dinitrophenol	BQL	247	ug/L	U	10
2,4-Dinitrotoluene	957	123	ug/L		10
2,6-Dinitrotoluene	377	123	ug/L		10
2-Chloronaphthalene	BQL	123	ug/L	U	10
2-Chlorophenol	BQL	123	ug/L	U	10
2-Methylnaphthalene	BQL	123	ug/L	U	10
2-Nitroaniline	BQL	123	ug/L	U	10
2-Nitrophenol	BQL	123	ug/L	U	10
2-methylphenol	BQL	123	ug/L	U	10
3,3-Dichlorobenzidine	BQL	247	ug/L	U	10
3-Nitroaniline	BQL	123	ug/L	U	10
4,6-dinitro-2-methyl phenol	BQL	247	ug/L	U	10
4-Bromophenyl-phenylether	BQL	123	ug/L	U	10
4-Chloroaniline	BQL	123	ug/L	U	10
4-Chlorophenyl Phenyl Ether	BQL	123	ug/L	U	10
4-Nitroaniline	BQL	123	ug/L	U	10
4-Nitrophenol	BQL	247	ug/L	U	10
4-chloro-3-methylphenol	BQL	123	ug/L	U	10
4-methylphenol	BQL	123	ug/L	U	10
Acenaphthene	BQL	123	ug/L	U	10
Acenaphthylene	BQL	123	ug/L	U	10
Anthracene	BQL	123	ug/L	U	10
Benzo(a)anthracene	BQL	123	ug/L	U	10
Benzo(a)pyrene	BQL	123	ug/L	U	10
Benzo(b)fluoranthene	BQL	123	ug/L	U	10
Benzo(g,h,i)perylene	BQL	123	ug/L	U	10
Benzo(k)fluoranthene	BQL	123	ug/L	U	10
Benzyl Butyl Phthalate	BQL	123	ug/L	U	10
Carbazole	BQL	123	ug/L	U	10
Chrysene	BQL	123	ug/L	U	10

Summary of Analytical Results

Client ID AA3001DL
GPL ID: 10063-003-04-1/2
Matrix: Water
Date Collected: Oct-11-2000
Date Received: Oct-12-2000

Prep Method: SW3520C
Prep Date: Oct-18-2000
Prep Time: 00:00
Prep Chemist: Veena Telhan

Analytical Method: SW8270CTCL
Date Analyzed: Nov-06-2000
Time Analyzed 16:50
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	123	ug/L	U	10
Dibenzofuran	BQL	123	ug/L	U	10
Diethyl Phthalate	BQL	123	ug/L	U	10
Dimethyl Phthalate	BQL	123	ug/L	U	10
Fluoranthene	BQL	123	ug/L	U	10
Fluorene	BQL	123	ug/L	U	10
Hexachlorobenzene	BQL	123	ug/L	U	10
Hexachlorobutadiene	BQL	123	ug/L	U	10
Hexachlorocyclopentadiene	BQL	123	ug/L	U	10
Hexachloroethane	BQL	123	ug/L	U	10
Indeno(1,2,3-c,d)Pyrene	BQL	123	ug/L	U	10
Isophorone	BQL	123	ug/L	U	10
Naphthalene	BQL	123	ug/L	U	10
Nitrobenzene	BQL	123	ug/L	U	10
Pentachlorophenol	BQL	247	ug/L	U	10
Phenanthrene	BQL	123	ug/L	U	10
Phenol	BQL	123	ug/L	U	10
Pyrene	BQL	123	ug/L	U	10
bis(2-chloroethoxy) methane	BQL	123	ug/L	U	10
bis(2-chloroethyl) ether	BQL	123	ug/L	U	10
bis(2-ethylhexyl) phthalate	BQL	123	ug/L	U	10
di-n-Butyl Phthalate	BQL	123	ug/L	U	10
di-n-Octyl Phthalate	BQL	123	ug/L	U	10
n-Nitrosodi-n-Propylamine	BQL	123	ug/L	U	10
n-Nitrosodiphenylamine	BQL	123	ug/L	U	10

Summary of Analytical Results

Client ID AA3001REDL
GPL ID: 10063-003-04-1/2
Matrix: Water
Date Collected: Oct-11-2000
Date Received: Oct-12-2000

Prep Method: SW3520C
Prep Date: Nov-08-2000
Prep Time: 00:00
Prep Chemist: Veena Telhan

Analytical Method: SW8270CTCL
Date Analyzed: Nov-12-2000
Time Analyzed 14:39
Analyst: Hall Moore

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	154	ug/L	U	10
1,2-Dichlorobenzene	BQL	154	ug/L	U	10
1,3-Dichlorobenzene	BQL	154	ug/L	U	10
1,4-Dichlorobenzene	BQL	154	ug/L	U	10
2,2-Oxybis(1-Chloro)Propane	BQL	154	ug/L	U	10
2,4,5-Trichlorophenol	BQL	154	ug/L	U	10
2,4,6-Trichlorophenol	BQL	154	ug/L	U	10
2,4-Dichlorophenol	BQL	154	ug/L	U	10
2,4-Dimethylphenol	BQL	154	ug/L	U	10
2,4-Dinitrophenol	BQL	308	ug/L	U	10
2,4-Dinitrotoluene	1160	154	ug/L		10
2,6-Dinitrotoluene	491	154	ug/L		10
2-Chloronaphthalene	BQL	154	ug/L	U	10
2-Chlorophenol	BQL	154	ug/L	U	10
2-Methylnaphthalene	BQL	154	ug/L	U	10
2-Nitroaniline	BQL	154	ug/L	U	10
2-Nitrophenol	BQL	154	ug/L	U	10
2-methylphenol	BQL	154	ug/L	U	10
3,3-Dichlorobenzidine	BQL	308	ug/L	U	10
3-Nitroaniline	BQL	154	ug/L	U	10
4,6-dinitro-2-methyl phenol	BQL	308	ug/L	U	10
4-Bromophenyl-phenylether	BQL	154	ug/L	U	10
4-Chloroaniline	BQL	154	ug/L	U	10
4-Chlorophenyl Phenyl Ether	BQL	154	ug/L	U	10
4-Nitroaniline	BQL	154	ug/L	U	10
4-Nitrophenol	BQL	308	ug/L	U	10
4-chloro-3-methylphenol	BQL	154	ug/L	U	10
4-methylphenol	BQL	154	ug/L	U	10
Acenaphthene	BQL	154	ug/L	U	10
Acenaphthylene	BQL	154	ug/L	U	10
Anthracene	BQL	154	ug/L	U	10
Benzo(a)anthracene	BQL	154	ug/L	U	10
Benzo(a)pyrene	BQL	154	ug/L	U	10
Benzo(b)fluoranthene	BQL	154	ug/L	U	10
Benzo(g,h,i)perylene	BQL	154	ug/L	U	10
Benzo(k)fluoranthene	BQL	154	ug/L	U	10
Benzyl Butyl Phthalate	BQL	154	ug/L	U	10
Carbazole	BQL	154	ug/L	U	10
Chrysene	BQL	154	ug/L	U	10

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AA3001REDL
GPL ID: 10063-003-04-1/2
Matrix: Water
Date Collected: Oct-11-2000
Date Received: Oct-12-2000

Prep Method: SW3520C
Prep Date: Nov-08-2000
Prep Time: 00:00
Prep Chemist: Veena Telhan

Analytical Method: SW8270CTCL
Date Analyzed: Nov-12-2000
Time Analyzed 14:39
Analyst: Hall Moore

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	154	ug/L	U	10
Dibenzofuran	BQL	154	ug/L	U	10
Diethyl Phthalate	BQL	154	ug/L	U	10
Dimethyl Phthalate	BQL	154	ug/L	U	10
Fluoranthene	BQL	154	ug/L	U	10
Fluorene	BQL	154	ug/L	U	10
Hexachlorobenzene	BQL	154	ug/L	U	10
Hexachlorobutadiene	BQL	154	ug/L	U	10
Hexachlorocyclopentadiene	BQL	154	ug/L	U	10
Hexachloroethane	BQL	154	ug/L	U	10
Indeno(1,2,3-c,d)Pyrene	BQL	154	ug/L	U	10
Isophorone	BQL	154	ug/L	U	10
Naphthalene	BQL	154	ug/L	U	10
Nitrobenzene	BQL	154	ug/L	U	10
Pentachlorophenol	BQL	308	ug/L	U	10
Phenanthrene	BQL	154	ug/L	U	10
Phenol	BQL	154	ug/L	U	10
Pyrene	BQL	154	ug/L	U	10
bis(2-chloroethoxy) methane	BQL	154	ug/L	U	10
bis(2-chloroethyl) ether	BQL	154	ug/L	U	10
bis(2-ethylhexyl) phthalate	BQL	154	ug/L	U	10
di-n-Butyl Phthalate	BQL	154	ug/L	U	10
di-n-Octyl Phthalate	BQL	154	ug/L	U	10
n-Nitrosodi-n-Propylamine	BQL	154	ug/L	U	10
n-Nitrosodiphenylamine	BQL	154	ug/L	U	10

Summary of Analytical Results

Client ID AA3003DL
GPL ID: 10063-004-04-1/2
Matrix: Water
Date Collected: Oct-12-2000
Date Received: Oct-12-2000

Prep Method: SW3520C
Prep Date: Oct-18-2000
Prep Time: 00:00
Prep Chemist: Veena Telhan

Analytical Method: SW8270CTCL
Date Analyzed: Nov-06-2000
Time Analyzed 20:35
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	24.4	ug/L	U	2
1,2-Dichlorobenzene	BQL	24.4	ug/L	U	2
1,3-Dichlorobenzene	BQL	24.4	ug/L	U	2
1,4-Dichlorobenzene	BQL	24.4	ug/L	U	2
2,2-Oxybis(1-Chloro)Propane	BQL	24.4	ug/L	U	2
2,4,5-Trichlorophenol	BQL	24.4	ug/L	U	2
2,4,6-Trichlorophenol	BQL	24.4	ug/L	U	2
2,4-Dichlorophenol	BQL	24.4	ug/L	U	2
2,4-Dimethylphenol	BQL	24.4	ug/L	U	2
2,4-Dinitrophenol	BQL	48.8	ug/L	U	2
2,4-Dinitrotoluene	218	24.4	ug/L		2
2,6-Dinitrotoluene	50.8	24.4	ug/L		2
2-Chloronaphthalene	BQL	24.4	ug/L	U	2
2-Chlorophenol	BQL	24.4	ug/L	U	2
2-Methylnaphthalene	BQL	24.4	ug/L	U	2
2-Nitroaniline	BQL	24.4	ug/L	U	2
2-Nitrophenol	BQL	24.4	ug/L	U	2
2-methylphenol	BQL	24.4	ug/L	U	2
3,3-Dichlorobenzidine	BQL	48.8	ug/L	U	2
3-Nitroaniline	BQL	24.4	ug/L	U	2
4,6-dinitro-2-methyl phenol	BQL	48.8	ug/L	U	2
4-Bromophenyl-phenylether	BQL	24.4	ug/L	U	2
4-Chloroaniline	BQL	24.4	ug/L	U	2
4-Chlorophenyl Phenyl Ether	BQL	24.4	ug/L	U	2
4-Nitroaniline	BQL	24.4	ug/L	U	2
4-Nitrophenol	BQL	48.8	ug/L	U	2
4-chloro-3-methylphenol	BQL	24.4	ug/L	U	2
4-methylphenol	BQL	24.4	ug/L	U	2
Acenaphthene	BQL	24.4	ug/L	U	2
Acenaphthylene	BQL	24.4	ug/L	U	2
Anthracene	BQL	24.4	ug/L	U	2
Benzo(a)anthracene	BQL	24.4	ug/L	U	2
Benzo(a)pyrene	BQL	24.4	ug/L	U	2
Benzo(b)fluoranthene	BQL	24.4	ug/L	U	2
Benzo(g,h,i)perylene	BQL	24.4	ug/L	U	2
Benzo(k)fluoranthene	BQL	24.4	ug/L	U	2
Benzyl Butyl Phthalate	BQL	24.4	ug/L	U	2
Carbazole	BQL	24.4	ug/L	U	2
Chrysene	BQL	24.4	ug/L	U	2

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AA3003DL
GPL ID: 10063-004-04-1/2
Matrix: Water
Date Collected: Oct-12-2000
Date Received: Oct-12-2000

Prep Method: SW3520C
Prep Date: Oct-18-2000
Prep Time: 00:00
Prep Chemist: Veena Telhan

Analytical Method: SW8270CTCL
Date Analyzed: Nov-06-2000
Time Analyzed 20:35
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	24.4	ug/L	U	2
Dibenzofuran	BQL	24.4	ug/L	U	2
Diethyl Phthalate	BQL	24.4	ug/L	U	2
Dimethyl Phthalate	BQL	24.4	ug/L	U	2
Fluoranthene	BQL	24.4	ug/L	U	2
Fluorene	BQL	24.4	ug/L	U	2
Hexachlorobenzene	BQL	24.4	ug/L	U	2
Hexachlorobutadiene	BQL	24.4	ug/L	U	2
Hexachlorocyclopentadiene	BQL	24.4	ug/L	U	2
Hexachloroethane	BQL	24.4	ug/L	U	2
Indeno(1,2,3-c,d)Pyrene	BQL	24.4	ug/L	U	2
Isophorone	BQL	24.4	ug/L	U	2
Naphthalene	BQL	24.4	ug/L	U	2
Nitrobenzene	BQL	24.4	ug/L	U	2
Pentachlorophenol	BQL	48.8	ug/L	U	2
Phenanthrene	BQL	24.4	ug/L	U	2
Phenol	BQL	24.4	ug/L	U	2
Pyrene	BQL	24.4	ug/L	U	2
bis(2-chloroethoxy) methane	BQL	24.4	ug/L	U	2
bis(2-chloroethyl) ether	BQL	24.4	ug/L	U	2
bis(2-ethylhexyl) phthalate	BQL	24.4	ug/L	U	2
di-n-Butyl Phthalate	10.1	24.4	ug/L	JB	2
di-n-Octyl Phthalate	BQL	24.4	ug/L	U	2
n-Nitrosodi-n-Propylamine	BQL	24.4	ug/L	U	2
n-Nitrosodiphenylamine	BQL	24.4	ug/L	U	2

Summary of Analytical Results

Client ID AA3003REDL
GPL ID: 10063-004-04-1/2
Matrix: Water
Date Collected: Oct-12-2000
Date Received: Oct-12-2000

Prep Method: SW3520C
Prep Date: Nov-08-2000
Prep Time: 00:00
Prep Chemist: Veena Telhan

Analytical Method: SW8270CTCL
Date Analyzed: Nov-12-2000
Time Analyzed 13:55
Analyst: Hall Moore

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	125	ug/L	U	10
1,2-Dichlorobenzene	BQL	125	ug/L	U	10
1,3-Dichlorobenzene	BQL	125	ug/L	U	10
1,4-Dichlorobenzene	BQL	125	ug/L	U	10
2,2-Oxybis(1-Chloro)Propane	BQL	125	ug/L	U	10
2,4,5-Trichlorophenol	BQL	125	ug/L	U	10
2,4,6-Trichlorophenol	BQL	125	ug/L	U	10
2,4-Dichlorophenol	BQL	125	ug/L	U	10
2,4-Dimethylphenol	BQL	125	ug/L	U	10
2,4-Dinitrophenol	BQL	250	ug/L	U	10
2,4-Dinitrotoluene	371	125	ug/L		10
2,6-Dinitrotoluene	79.5	125	ug/L	J	10
2-Chloronaphthalene	BQL	125	ug/L	U	10
2-Chlorophenol	BQL	125	ug/L	U	10
2-Methylnaphthalene	BQL	125	ug/L	U	10
2-Nitroaniline	BQL	125	ug/L	U	10
2-Nitrophenol	BQL	125	ug/L	U	10
2-methylphenol	BQL	125	ug/L	U	10
3,3-Dichlorobenzidine	BQL	250	ug/L	U	10
3-Nitroaniline	BQL	125	ug/L	U	10
4,6-dinitro-2-methyl phenol	BQL	250	ug/L	U	10
4-Bromophenyl-phenylether	BQL	125	ug/L	U	10
4-Chloroaniline	BQL	125	ug/L	U	10
4-Chlorophenyl Phenyl Ether	BQL	125	ug/L	U	10
4-Nitroaniline	BQL	125	ug/L	U	10
4-Nitrophenol	BQL	250	ug/L	U	10
4-chloro-3-methylphenol	BQL	125	ug/L	U	10
4-methylphenol	BQL	125	ug/L	U	10
Acenaphthene	BQL	125	ug/L	U	10
Acenaphthylene	BQL	125	ug/L	U	10
Anthracene	BQL	125	ug/L	U	10
Benzo(a)anthracene	BQL	125	ug/L	U	10
Benzo(a)pyrene	BQL	125	ug/L	U	10
Benzo(b)fluoranthene	BQL	125	ug/L	U	10
Benzo(g,h,i)perylene	BQL	125	ug/L	U	10
Benzo(k)fluoranthene	BQL	125	ug/L	U	10
Benzyl Butyl Phthalate	BQL	125	ug/L	U	10
Carbazole	BQL	125	ug/L	U	10
Chrysene	BQL	125	ug/L	U	10

Summary of Analytical Results

Client ID AA3003REDL
GPL ID: 10063-004-04-1/2
Matrix: Water
Date Collected: Oct-12-2000
Date Received: Oct-12-2000

Prep Method: SW3520C
Prep Date: Nov-08-2000
Prep Time: 00:00
Prep Chemist: Veena Telhan

Analytical Method: SW8270CTCL
Date Analyzed: Nov-12-2000
Time Analyzed 13:55
Analyst: Hall Moore

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	125	ug/L	U	10
Dibenzofuran	BQL	125	ug/L	U	10
Diethyl Phthalate	BQL	125	ug/L	U	10
Dimethyl Phthalate	BQL	125	ug/L	U	10
Fluoranthene	BQL	125	ug/L	U	10
Fluorene	BQL	125	ug/L	U	10
Hexachlorobenzene	BQL	125	ug/L	U	10
Hexachlorobutadiene	BQL	125	ug/L	U	10
Hexachlorocyclopentadiene	BQL	125	ug/L	U	10
Hexachloroethane	BQL	125	ug/L	U	10
Indeno(1,2,3-c,d)Pyrene	BQL	125	ug/L	U	10
Isophorone	BQL	125	ug/L	U	10
Naphthalene	BQL	125	ug/L	U	10
Nitrobenzene	BQL	125	ug/L	U	10
Pentachlorophenol	BQL	250	ug/L	U	10
Phenanthrene	BQL	125	ug/L	U	10
Phenol	BQL	125	ug/L	U	10
Pyrene	BQL	125	ug/L	U	10
bis(2-chloroethoxy) methane	BQL	125	ug/L	U	10
bis(2-chloroethyl) ether	BQL	125	ug/L	U	10
bis(2-ethylhexyl) phthalate	BQL	125	ug/L	U	10
di-n-Butyl Phthalate	BQL	125	ug/L	U	10
di-n-Octyl Phthalate	BQL	125	ug/L	U	10
n-Nitrosodi-n-Propylamine	BQL	125	ug/L	U	10
n-Nitrosodiphenylamine	BQL	125	ug/L	U	10

Summary of Analytical Results

Client ID AA3004
GPL ID: 10063-005-04-1/2
Matrix: Water
Date Collected: Oct-12-2000
Date Received: Oct-12-2000

Prep Method: SW3520C
Prep Date: Oct-18-2000
Prep Time: 00:00
Prep Chemist: Veena Telhan

Analytical Method: SW8270CTCL
Date Analyzed: Nov-07-2000
Time Analyzed 18:27
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	11.4	ug/L	U	1
1,2-Dichlorobenzene	BQL	11.4	ug/L	U	1
1,3-Dichlorobenzene	BQL	11.4	ug/L	U	1
1,4-Dichlorobenzene	BQL	11.4	ug/L	U	1
2,2-Oxybis(1-Chloro)Propane	BQL	11.4	ug/L	U	1
2,4,5-Trichlorophenol	BQL	11.4	ug/L	U	1
2,4,6-Trichlorophenol	BQL	11.4	ug/L	U	1
2,4-Dichlorophenol	BQL	11.4	ug/L	U	1
2,4-Dimethylphenol	BQL	11.4	ug/L	U	1
2,4-Dinitrophenol	BQL	22.7	ug/L	U	1
2,4-Dinitrotoluene	BQL	11.4	ug/L	U	1
2,6-Dinitrotoluene	BQL	11.4	ug/L	U	1
2-Chloronaphthalene	BQL	11.4	ug/L	U	1
2-Chlorophenol	BQL	11.4	ug/L	U	1
2-Methylnaphthalene	BQL	11.4	ug/L	U	1
2-Nitroaniline	BQL	11.4	ug/L	U	1
2-Nitrophenol	BQL	11.4	ug/L	U	1
2-methylphenol	BQL	11.4	ug/L	U	1
3,3-Dichlorobenzidine	BQL	22.7	ug/L	U	1
3-Nitroaniline	BQL	11.4	ug/L	U	1
4,6-dinitro-2-methyl phenol	BQL	22.7	ug/L	U	1
4-Bromophenyl-phenylether	BQL	11.4	ug/L	U	1
4-Chloroaniline	BQL	11.4	ug/L	U	1
4-Chlorophenyl Phenyl Ether	BQL	11.4	ug/L	U	1
4-Nitroaniline	BQL	11.4	ug/L	U	1
4-Nitrophenol	BQL	22.7	ug/L	U	1
4-chloro-3-methylphenol	BQL	11.4	ug/L	U	1
4-methylphenol	BQL	11.4	ug/L	U	1
Acenaphthene	BQL	11.4	ug/L	U	1
Acenaphthylene	BQL	11.4	ug/L	U	1
Anthracene	BQL	11.4	ug/L	U	1
Benzo(a)anthracene	BQL	11.4	ug/L	U	1
Benzo(a)pyrene	BQL	11.4	ug/L	U	1
Benzo(b)fluoranthene	BQL	11.4	ug/L	U	1
Benzo(g,h,i)perylene	BQL	11.4	ug/L	U	1
Benzo(k)fluoranthene	BQL	11.4	ug/L	U	1
Benzyl Butyl Phthalate	BQL	11.4	ug/L	U	1
Carbazole	BQL	11.4	ug/L	U	1
Chrysene	BQL	11.4	ug/L	U	1

Summary of Analytical Results

Client ID AA3004
GPL ID: 10063-005-04-1/2
Matrix: Water
Date Collected: Oct-12-2000
Date Received: Oct-12-2000

Prep Method: SW3520C
Prep Date: Oct-18-2000
Prep Time: 00:00
Prep Chemist: Veena Telhan

Analytical Method: SW8270CTCL
Date Analyzed: Nov-07-2000
Time Analyzed 18:27
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	11.4	ug/L	U	1
Dibenzofuran	BQL	11.4	ug/L	U	1
Diethyl Phthalate	BQL	11.4	ug/L	U	1
Dimethyl Phthalate	BQL	11.4	ug/L	U	1
Fluoranthene	BQL	11.4	ug/L	U	1
Fluorene	BQL	11.4	ug/L	U	1
Hexachlorobenzene	BQL	11.4	ug/L	U	1
Hexachlorobutadiene	BQL	11.4	ug/L	U	1
Hexachlorocyclopentadiene	BQL	11.4	ug/L	U	1
Hexachloroethane	BQL	11.4	ug/L	U	1
Indeno(1,2,3-c,d)Pyrene	BQL	11.4	ug/L	U	1
Isophorone	BQL	11.4	ug/L	U	1
Naphthalene	BQL	11.4	ug/L	U	1
Nitrobenzene	BQL	11.4	ug/L	U	1
Pentachlorophenol	BQL	22.7	ug/L	U	1
Phenanthrene	BQL	11.4	ug/L	U	1
Phenol	BQL	11.4	ug/L	U	1
Pyrene	BQL	11.4	ug/L	U	1
bis(2-chloroethoxy) methane	BQL	11.4	ug/L	U	1
bis(2-chloroethyl) ether	BQL	11.4	ug/L	U	1
bis(2-ethylhexyl) phthalate	BQL	11.4	ug/L	U	1
di-n-Butyl Phthalate	11.6	11.4	ug/L	B	1
di-n-Octyl Phthalate	BQL	11.4	ug/L	U	1
n-Nitrosodi-n-Propylamine	BQL	11.4	ug/L	U	1
n-Nitrosodiphenylamine	BQL	11.4	ug/L	U	1

Summary of Analytical Results

Client ID AA3007
GPL ID: 10063-006-04-1/1
Matrix: Water
Date Collected: Oct-11-2000
Date Received: Oct-12-2000

Prep Method: SW3520C
Prep Date: Oct-18-2000
Prep Time: 00:00
Prep Chemist: Veena Telhan

Analytical Method: SW8270CTCL
Date Analyzed: Nov-06-2000
Time Analyzed 14:32
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	11.6	ug/L	U	1
1,2-Dichlorobenzene	BQL	11.6	ug/L	U	1
1,3-Dichlorobenzene	BQL	11.6	ug/L	U	1
1,4-Dichlorobenzene	BQL	11.6	ug/L	U	1
2,2-Oxybis(1-Chloro)Propane	BQL	11.6	ug/L	U	1
2,4,5-Trichlorophenol	BQL	11.6	ug/L	U	1
2,4,6-Trichlorophenol	BQL	11.6	ug/L	U	1
2,4-Dichlorophenol	BQL	11.6	ug/L	U	1
2,4-Dimethylphenol	BQL	11.6	ug/L	U	1
2,4-Dinitrophenol	BQL	23.3	ug/L	U	1
2,4-Dinitrotoluene	BQL	11.6	ug/L	U	1
2,6-Dinitrotoluene	BQL	11.6	ug/L	U	1
2-Chloronaphthalene	BQL	11.6	ug/L	U	1
2-Chlorophenol	BQL	11.6	ug/L	U	1
2-Methylnaphthalene	BQL	11.6	ug/L	U	1
2-Nitroaniline	BQL	11.6	ug/L	U	1
2-Nitrophenol	BQL	11.6	ug/L	U	1
2-methylphenol	BQL	11.6	ug/L	U	1
3,3-Dichlorobenzidine	BQL	23.3	ug/L	U	1
3-Nitroaniline	BQL	11.6	ug/L	U	1
4,6-dinitro-2-methyl phenol	BQL	23.3	ug/L	U	1
4-Bromophenyl-phenylether	BQL	11.6	ug/L	U	1
4-Chloroaniline	BQL	11.6	ug/L	U	1
4-Chlorophenyl Phenyl Ether	BQL	11.6	ug/L	U	1
4-Nitroaniline	BQL	11.6	ug/L	U	1
4-Nitrophenol	BQL	23.3	ug/L	U	1
4-chloro-3-methylphenol	BQL	11.6	ug/L	U	1
4-methylphenol	BQL	11.6	ug/L	U	1
Acenaphthene	BQL	11.6	ug/L	U	1
Acenaphthylene	BQL	11.6	ug/L	U	1
Anthracene	BQL	11.6	ug/L	U	1
Benzo(a)anthracene	BQL	11.6	ug/L	U	1
Benzo(a)pyrene	BQL	11.6	ug/L	U	1
Benzo(b)fluoranthene	BQL	11.6	ug/L	U	1
Benzo(g,h,i)perylene	BQL	11.6	ug/L	U	1
Benzo(k)fluoranthene	BQL	11.6	ug/L	U	1
Benzyl Butyl Phthalate	BQL	11.6	ug/L	U	1
Carbazole	BQL	11.6	ug/L	U	1
Chrysene	BQL	11.6	ug/L	U	1

Summary of Analytical Results

Client ID AA3007
GPL ID: 10063-006-04-1/1
Matrix: Water
Date Collected: Oct-11-2000
Date Received: Oct-12-2000

Prep Method: SW3520C
Prep Date: Oct-18-2000
Prep Time: 00:00
Prep Chemist: Veena Telhan

Analytical Method: SW8270CTCL
Date Analyzed: Nov-06-2000
Time Analyzed 14:32
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	11.6	ug/L	U	1
Dibenzofuran	BQL	11.6	ug/L	U	1
Diethyl Phthalate	BQL	11.6	ug/L	U	1
Dimethyl Phthalate	BQL	11.6	ug/L	U	1
Fluoranthene	BQL	11.6	ug/L	U	1
Fluorene	BQL	11.6	ug/L	U	1
Hexachlorobenzene	BQL	11.6	ug/L	U	1
Hexachlorobutadiene	BQL	11.6	ug/L	U	1
Hexachlorocyclopentadiene	BQL	11.6	ug/L	U	1
Hexachloroethane	BQL	11.6	ug/L	U	1
Indeno(1,2,3-c,d)Pyrene	BQL	11.6	ug/L	U	1
Isophorone	BQL	11.6	ug/L	U	1
Naphthalene	BQL	11.6	ug/L	U	1
Nitrobenzene	BQL	11.6	ug/L	U	1
Pentachlorophenol	BQL	23.3	ug/L	U	1
Phenanthrene	BQL	11.6	ug/L	U	1
Phenol	BQL	11.6	ug/L	U	1
Pyrene	BQL	11.6	ug/L	U	1
bis(2-chloroethoxy) methane	BQL	11.6	ug/L	U	1
bis(2-chloroethyl) ether	BQL	11.6	ug/L	U	1
bis(2-ethylhexyl) phthalate	BQL	11.6	ug/L	U	1
di-n-Butyl Phthalate	1.79	11.6	ug/L	JB	1
di-n-Octyl Phthalate	BQL	11.6	ug/L	U	1
n-Nitrosodi-n-Propylamine	BQL	11.6	ug/L	U	1
n-Nitrosodiphenylamine	BQL	11.6	ug/L	U	1

Summary of Analytical Results

Client ID AA3008
GPL ID: 10063-007-04-1/2
Matrix: Water
Date Collected: Oct-12-2000
Date Received: Oct-12-2000

Prep Method: SW3520C
Prep Date: Oct-18-2000
Prep Time: 00:00
Prep Chemist: Veena Telhan

Analytical Method: SW8270CTCL
Date Analyzed: Nov-06-2000
Time Analyzed 15:18
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	10.8	ug/L	U	1
1,2-Dichlorobenzene	BQL	10.8	ug/L	U	1
1,3-Dichlorobenzene	BQL	10.8	ug/L	U	1
1,4-Dichlorobenzene	BQL	10.8	ug/L	U	1
2,2-Oxybis(1-Chloro)Propane	BQL	10.8	ug/L	U	1
2,4,5-Trichlorophenol	BQL	10.8	ug/L	U	1
2,4,6-Trichlorophenol	BQL	10.8	ug/L	U	1
2,4-Dichlorophenol	BQL	10.8	ug/L	U	1
2,4-Dimethylphenol	BQL	10.8	ug/L	U	1
2,4-Dinitrophenol	BQL	21.5	ug/L	U	1
2,4-Dinitrotoluene	15.6	10.8	ug/L		1
2,6-Dinitrotoluene	11.8	10.8	ug/L		1
2-Chloronaphthalene	BQL	10.8	ug/L	U	1
2-Chlorophenol	BQL	10.8	ug/L	U	1
2-Methylnaphthalene	BQL	10.8	ug/L	U	1
2-Nitroaniline	BQL	10.8	ug/L	U	1
2-Nitrophenol	BQL	10.8	ug/L	U	1
2-methylphenol	BQL	10.8	ug/L	U	1
3,3-Dichlorobenzidine	BQL	21.5	ug/L	U	1
3-Nitroaniline	BQL	10.8	ug/L	U	1
4,6-dinitro-2-methyl phenol	BQL	21.5	ug/L	U	1
4-Bromophenyl-phenylether	BQL	10.8	ug/L	U	1
4-Chloroaniline	BQL	10.8	ug/L	U	1
4-Chlorophenyl Phenyl Ether	BQL	10.8	ug/L	U	1
4-Nitroaniline	BQL	10.8	ug/L	U	1
4-Nitrophenol	BQL	21.5	ug/L	U	1
4-chloro-3-methylphenol	BQL	10.8	ug/L	U	1
4-methylphenol	BQL	10.8	ug/L	U	1
Acenaphthene	BQL	10.8	ug/L	U	1
Acenaphthylene	BQL	10.8	ug/L	U	1
Anthracene	BQL	10.8	ug/L	U	1
Benzo(a)anthracene	BQL	10.8	ug/L	U	1
Benzo(a)pyrene	BQL	10.8	ug/L	U	1
Benzo(b)fluoranthene	BQL	10.8	ug/L	U	1
Benzo(g,h,i)perylene	BQL	10.8	ug/L	U	1
Benzo(k)fluoranthene	BQL	10.8	ug/L	U	1
Benzyl Butyl Phthalate	BQL	10.8	ug/L	U	1
Carbazole	BQL	10.8	ug/L	U	1
Chrysene	BQL	10.8	ug/L	U	1

Summary of Analytical Results

Client ID AA3008
GPL ID: 10063-007-04-1/2
Matrix: Water
Date Collected: Oct-12-2000
Date Received: Oct-12-2000

Prep Method: SW3520C
Prep Date: Oct-18-2000
Prep Time: 00:00
Prep Chemist: Veena Telhan

Analytical Method: SW8270CTCL
Date Analyzed: Nov-06-2000
Time Analyzed 15:18
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	10.8	ug/L	U	1
Dibenzofuran	BQL	10.8	ug/L	U	1
Diethyl Phthalate	BQL	10.8	ug/L	U	1
Dimethyl Phthalate	BQL	10.8	ug/L	U	1
Fluoranthene	BQL	10.8	ug/L	U	1
Fluorene	BQL	10.8	ug/L	U	1
Hexachlorobenzene	BQL	10.8	ug/L	U	1
Hexachlorobutadiene	BQL	10.8	ug/L	U	1
Hexachlorocyclopentadiene	BQL	10.8	ug/L	U	1
Hexachloroethane	BQL	10.8	ug/L	U	1
Indeno(1,2,3-c,d)Pyrene	BQL	10.8	ug/L	U	1
Isophorone	BQL	10.8	ug/L	U	1
Naphthalene	BQL	10.8	ug/L	U	1
Nitrobenzene	BQL	10.8	ug/L	U	1
Pentachlorophenol	BQL	21.5	ug/L	U	1
Phenanthrene	BQL	10.8	ug/L	U	1
Phenol	BQL	10.8	ug/L	U	1
Pyrene	BQL	10.8	ug/L	U	1
bis(2-chloroethoxy) methane	BQL	10.8	ug/L	U	1
bis(2-chloroethyl) ether	BQL	10.8	ug/L	U	1
bis(2-ethylhexyl) phthalate	BQL	10.8	ug/L	U	1
di-n-Butyl Phthalate	1.80	10.8	ug/L	JB	1
di-n-Octyl Phthalate	BQL	10.8	ug/L	U	1
n-Nitrosodi-n-Propylamine	BQL	10.8	ug/L	U	1
n-Nitrosodiphenylamine	BQL	10.8	ug/L	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB0426
GPL ID: 10063-008-04-1
Matrix: Soil
Date Collected: Oct-12-2000
Date Received: Oct-12-2000

Prep Method: SW3550
Prep Date: Oct-17-2000
Prep Time: 13:57
Prep Chemist: Shila Soleimani

Analytical Method: SW8270CTCL
Date Analyzed: Nov-08-2000
Time Analyzed 14:32
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	382	ug/kg	U	1
1,2-Dichlorobenzene	BQL	382	ug/kg	U	1
1,3-Dichlorobenzene	BQL	382	ug/kg	U	1
1,4-Dichlorobenzene	BQL	382	ug/kg	U	1
2,2-Oxybis(1-Chloro)Propane	BQL	382	ug/kg	U	1
2,4,5-Trichlorophenol	BQL	382	ug/kg	U	1
2,4,6-Trichlorophenol	BQL	382	ug/kg	J	1
2,4-Dichlorophenol	BQL	382	ug/kg	U	1
2,4-Dimethylphenol	BQL	382	ug/kg	U	1
2,4-Dinitrophenol	BQL	764	ug/kg	U	1
2,4-Dinitrotoluene	1010	382	ug/kg		1
2,6-Dinitrotoluene	458	382	ug/kg		1
2-Chloronaphthalene	BQL	382	ug/kg	U	1
2-Chlorophenol	BQL	382	ug/kg	U	1
2-Methylnaphthalene	BQL	382	ug/kg	U	1
2-Nitroaniline	BQL	382	ug/kg	U	1
2-Nitrophenol	BQL	382	ug/kg	U	1
2-methylphenol	BQL	382	ug/kg	U	1
3,3-Dichlorobenzidine	BQL	764	ug/kg	U	1
3-Nitroaniline	BQL	382	ug/kg	U	1
4,6-dinitro-2-methyl phenol	BQL	764	ug/kg	U	1
4-Bromophenyl-phenylether	BQL	382	ug/kg	U	1
4-Chloroaniline	BQL	382	ug/kg	U	1
4-Chlorophenyl Phenyl Ether	BQL	382	ug/kg	U	1
4-Nitroaniline	BQL	382	ug/kg	U	1
4-Nitrophenol	BQL	764	ug/kg	U	1
4-chloro-3-methylphenol	BQL	382	ug/kg	U	1
4-methylphenol	BQL	382	ug/kg	U	1
Acenaphthene	BQL	382	ug/kg	U	1
Acenaphthylene	BQL	382	ug/kg	U	1
Anthracene	BQL	382	ug/kg	U	1
Benzo(a)anthracene	75.3	382	ug/kg	J	1
Benzo(a)pyrene	78.7	382	ug/kg	J	1
Benzo(b)fluoranthene	176	382	ug/kg	J	1
Benzo(g,h,i)perylene	BQL	382	ug/kg	U	1
Benzo(k)fluoranthene	BQL	382	ug/kg	U	1
Benzyl Butyl Phthalate	BQL	382	ug/kg	U	1
Carbazole	BQL	382	ug/kg	U	1
Chrysene	114	382	ug/kg	J	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB0426
GPL ID: 10063-008-04-1
Matrix: Soil
Date Collected: Oct-12-2000
Date Received: Oct-12-2000

Prep Method: SW3550
Prep Date: Oct-17-2000
Prep Time: 13:57
Prep Chemist: Shila Soleimani

Analytical Method: SW8270CTCL
Date Analyzed: Nov-08-2000
Time Analyzed 14:32
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	382	ug/kg	U	1
Dibenzofuran	BQL	382	ug/kg	U	1
Diethyl Phthalate	425	382	ug/kg	B	1
Dimethyl Phthalate	BQL	382	ug/kg	U	1
Fluoranthene	189	382	ug/kg	J	1
Fluorene	BQL	382	ug/kg	U	1
Hexachlorobenzene	BQL	382	ug/kg	U	1
Hexachlorobutadiene	BQL	382	ug/kg	U	1
Hexachlorocyclopentadiene	BQL	382	ug/kg	U	1
Hexachloroethane	BQL	382	ug/kg	U	1
Indeno(1,2,3-c,d)Pyrene	BQL	382	ug/kg	U	1
Isophorone	BQL	382	ug/kg	U	1
Naphthalene	BQL	382	ug/kg	U	1
Nitrobenzene	BQL	382	ug/kg	U	1
Pentachlorophenol	BQL	764	ug/kg	U	1
Phenanthrene	54.3	382	ug/kg	J	1
Phenol	BQL	382	ug/kg	U	1
Pyrene	131	382	ug/kg	J	1
bis(2-chloroethoxy) methane	BQL	382	ug/kg	U	1
bis(2-chloroethyl) ether	BQL	382	ug/kg	U	1
bis(2-ethylhexyl) phthalate	49.3	382	ug/kg	J	1
di-n-Butyl Phthalate	BQL	382	ug/kg	U	1
di-n-Octyl Phthalate	BQL	382	ug/kg	U	1
n-Nitrosodi-n-Propylamine	BQL	382	ug/kg	U	1
n-Nitrosodiphenylamine	BQL	382	ug/kg	U	1

Summary of Analytical Results

Client ID AB0430DL
GPL ID: 10063-009-04-1
Matrix: Soil
Date Collected: Oct-12-2000
Date Received: Oct-12-2000

Prep Method: SW3550
Prep Date: Oct-17-2000
Prep Time: 13:57
Prep Chemist: Shila Soleimani

Analytical Method: SW8270CTCL
Date Analyzed: Nov-08-2000
Time Analyzed 15:59
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	3880	ug/kg	U	10
1,2-Dichlorobenzene	BQL	3880	ug/kg	U	10
1,3-Dichlorobenzene	BQL	3880	ug/kg	U	10
1,4-Dichlorobenzene	BQL	3880	ug/kg	U	10
2,2-Oxybis(1-Chloro)Propane	BQL	3880	ug/kg	U	10
2,4,5-Trichlorophenol	BQL	3880	ug/kg	U	10
2,4,6-Trichlorophenol	BQL	3880	ug/kg	J	10
2,4-Dichlorophenol	BQL	3880	ug/kg	U	10
2,4-Dimethylphenol	BQL	3880	ug/kg	U	10
2,4-Dinitrophenol	BQL	7760	ug/kg	U	10
2,4-Dinitrotoluene	43100	3880	ug/kg		10
2,6-Dinitrotoluene	6920	3880	ug/kg		10
2-Chloronaphthalene	BQL	3880	ug/kg	U	10
2-Chlorophenol	BQL	3880	ug/kg	U	10
2-Methylnaphthalene	BQL	3880	ug/kg	U	10
2-Nitroaniline	BQL	3880	ug/kg	U	10
2-Nitrophenol	BQL	3880	ug/kg	U	10
2-methylphenol	BQL	3880	ug/kg	U	10
3,3-Dichlorobenzidine	BQL	7760	ug/kg	U	10
3-Nitroaniline	BQL	3880	ug/kg	U	10
4,6-dinitro-2-methyl phenol	BQL	7760	ug/kg	U	10
4-Bromophenyl-phenylether	BQL	3880	ug/kg	U	10
4-Chloroaniline	BQL	3880	ug/kg	U	10
4-Chlorophenyl Phenyl Ether	BQL	3880	ug/kg	U	10
4-Nitroaniline	BQL	3880	ug/kg	U	10
4-Nitrophenol	BQL	7760	ug/kg	U	10
4-chloro-3-methylphenol	BQL	3880	ug/kg	U	10
4-methylphenol	BQL	3880	ug/kg	U	10
Acenaphthene	BQL	3880	ug/kg	U	10
Acenaphthylene	BQL	3880	ug/kg	U	10
Anthracene	BQL	3880	ug/kg	U	10
Benzo(a)anthracene	BQL	3880	ug/kg	U	10
Benzo(a)pyrene	BQL	3880	ug/kg	U	10
Benzo(b)fluoranthene	BQL	3880	ug/kg	U	10
Benzo(g,h,i)perylene	BQL	3880	ug/kg	U	10
Benzo(k)fluoranthene	BQL	3880	ug/kg	U	10
Benzyl Butyl Phthalate	BQL	3880	ug/kg	U	10
Carbazole	BQL	3880	ug/kg	U	10
Chrysene	BQL	3880	ug/kg	U	10

Summary of Analytical Results

Client ID AB0430DL
GPL ID: 10063-009-04-1
Matrix: Soil
Date Collected: Oct-12-2000
Date Received: Oct-12-2000

Prep Method: SW3550
Prep Date: Oct-17-2000
Prep Time: 13:57
Prep Chemist: Shila Soleimani

Analytical Method: SW8270CTCL
Date Analyzed: Nov-08-2000
Time Analyzed 15:59
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	3880	ug/kg	U	10
Dibenzofuran	BQL	3880	ug/kg	U	10
Diethyl Phthalate	BQL	3880	ug/kg	U	10
Dimethyl Phthalate	BQL	3880	ug/kg	U	10
Fluoranthene	BQL	3880	ug/kg	U	10
Fluorene	BQL	3880	ug/kg	U	10
Hexachlorobenzene	BQL	3880	ug/kg	U	10
Hexachlorobutadiene	BQL	3880	ug/kg	U	10
Hexachlorocyclopentadiene	BQL	3880	ug/kg	U	10
Hexachloroethane	BQL	3880	ug/kg	U	10
Indeno(1,2,3-c,d)Pyrene	BQL	3880	ug/kg	U	10
Isophorone	BQL	3880	ug/kg	U	10
Naphthalene	BQL	3880	ug/kg	U	10
Nitrobenzene	BQL	3880	ug/kg	U	10
Pentachlorophenol	BQL	7760	ug/kg	U	10
Phenanthrene	BQL	3880	ug/kg	U	10
Phenol	BQL	3880	ug/kg	U	10
Pyrene	BQL	3880	ug/kg	U	10
bis(2-chloroethoxy) methane	BQL	3880	ug/kg	U	10
bis(2-chloroethyl) ether	BQL	3880	ug/kg	U	10
bis(2-ethylhexyl) phthalate	BQL	3880	ug/kg	U	10
di-n-Butyl Phthalate	BQL	3880	ug/kg	U	10
di-n-Octyl Phthalate	BQL	3880	ug/kg	U	10
n-Nitrosodi-n-Propylamine	BQL	3880	ug/kg	U	10
n-Nitrosodiphenylamine	BQL	3880	ug/kg	U	10

Summary of Analytical Results

Client ID AB0431
GPL ID: 10063-010-04-1
Matrix: Soil
Date Collected: Oct-12-2000
Date Received: Oct-12-2000

Prep Method: SW3550
Prep Date: Oct-17-2000
Prep Time: 13:57
Prep Chemist: Shila Soleimani

Analytical Method: SW8270CTCL
Date Analyzed: Nov-07-2000
Time Analyzed 21:19
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	400	ug/kg	U	1
1,2-Dichlorobenzene	BQL	400	ug/kg	U	1
1,3-Dichlorobenzene	BQL	400	ug/kg	U	1
1,4-Dichlorobenzene	BQL	400	ug/kg	U	1
2,2-Oxybis(1-Chloro)Propane	BQL	400	ug/kg	U	1
2,4,5-Trichlorophenol	BQL	400	ug/kg	U	1
2,4,6-Trichlorophenol	BQL	400	ug/kg	J	1
2,4-Dichlorophenol	BQL	400	ug/kg	U	1
2,4-Dimethylphenol	BQL	400	ug/kg	U	1
2,4-Dinitrophenol	BQL	800	ug/kg	U	1
2,4-Dinitrotoluene	68.0	400	ug/kg	J	1
2,6-Dinitrotoluene	BQL	400	ug/kg	U	1
2-Chloronaphthalene	BQL	400	ug/kg	U	1
2-Chlorophenol	BQL	400	ug/kg	U	1
2-Methylnaphthalene	BQL	400	ug/kg	U	1
2-Nitroaniline	BQL	400	ug/kg	U	1
2-Nitrophenol	BQL	400	ug/kg	U	1
2-methylphenol	BQL	400	ug/kg	U	1
3,3-Dichlorobenzidine	BQL	800	ug/kg	U	1
3-Nitroaniline	BQL	400	ug/kg	U	1
4,6-dinitro-2-methyl phenol	BQL	800	ug/kg	U	1
4-Bromophenyl-phenylether	BQL	400	ug/kg	U	1
4-Chloroaniline	BQL	400	ug/kg	U	1
4-Chlorophenyl Phenyl Ether	BQL	400	ug/kg	U	1
4-Nitroaniline	BQL	400	ug/kg	U	1
4-Nitrophenol	BQL	800	ug/kg	U	1
4-chloro-3-methylphenol	BQL	400	ug/kg	U	1
4-methylphenol	BQL	400	ug/kg	U	1
Acenaphthene	BQL	400	ug/kg	U	1
Acenaphthylene	BQL	400	ug/kg	U	1
Anthracene	151	400	ug/kg	J	1
Benzo(a)anthracene	135	400	ug/kg	J	1
Benzo(a)pyrene	53.6	400	ug/kg	J	1
Benzo(b)fluoranthene	116	400	ug/kg	J	1
Benzo(g,h,i)perylene	BQL	400	ug/kg	U	1
Benzo(k)fluoranthene	BQL	400	ug/kg	U	1
Benzyl Butyl Phthalate	BQL	400	ug/kg	U	1
Carbazole	BQL	400	ug/kg	U	1
Chrysene	113	400	ug/kg	J	1

Summary of Analytical Results

Client ID AB0431
GPL ID: 10063-010-04-1
Matrix: Soil
Date Collected: Oct-12-2000
Date Received: Oct-12-2000

Prep Method: SW3550
Prep Date: Oct-17-2000
Prep Time: 13:57
Prep Chemist: Shila Soleimani

Analytical Method: SW8270CTCL
Date Analyzed: Nov-07-2000
Time Analyzed 21:19
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	400	ug/kg	U	1
Dibenzofuran	BQL	400	ug/kg	U	1
Diethyl Phthalate	307	400	ug/kg	JB	1
Dimethyl Phthalate	BQL	400	ug/kg	U	1
Fluoranthene	469	400	ug/kg		1
Fluorene	BQL	400	ug/kg	U	1
Hexachlorobenzene	BQL	400	ug/kg	U	1
Hexachlorobutadiene	BQL	400	ug/kg	U	1
Hexachlorocyclopentadiene	BQL	400	ug/kg	U	1
Hexachloroethane	BQL	400	ug/kg	U	1
Indeno(1,2,3-c,d)Pyrene	BQL	400	ug/kg	U	1
Isophorone	BQL	400	ug/kg	U	1
Naphthalene	BQL	400	ug/kg	U	1
Nitrobenzene	BQL	400	ug/kg	U	1
Pentachlorophenol	BQL	800	ug/kg	U	1
Phenanthrene	227	400	ug/kg	J	1
Phenol	BQL	400	ug/kg	U	1
Pyrene	248	400	ug/kg	J	1
bis(2-chloroethoxy) methane	BQL	400	ug/kg	U	1
bis(2-chloroethyl) ether	BQL	400	ug/kg	U	1
bis(2-ethylhexyl) phthalate	BQL	400	ug/kg	U	1
di-n-Butyl Phthalate	BQL	400	ug/kg	U	1
di-n-Octyl Phthalate	BQL	400	ug/kg	U	1
n-Nitrosodi-n-Propylamine	BQL	400	ug/kg	U	1
n-Nitrosodiphenylamine	BQL	400	ug/kg	U	1

Summary of Analytical Results

Client ID AB0447
GPL ID: 10063-011-04-1
Matrix: Soil
Date Collected: Oct-12-2000
Date Received: Oct-12-2000

Prep Method: SW3550
Prep Date: Oct-17-2000
Prep Time: 13:57
Prep Chemist: Shila Soleimani

Analytical Method: SW8270CTCL
Date Analyzed: Nov-07-2000
Time Analyzed 19:09
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	377	ug/kg	U	1
1,2-Dichlorobenzene	BQL	377	ug/kg	U	1
1,3-Dichlorobenzene	BQL	377	ug/kg	U	1
1,4-Dichlorobenzene	BQL	377	ug/kg	U	1
2,2-Oxybis(1-Chloro)Propane	BQL	377	ug/kg	U	1
2,4,5-Trichlorophenol	BQL	377	ug/kg	U	1
2,4,6-Trichlorophenol	BQL	377	ug/kg	J	1
2,4-Dichlorophenol	BQL	377	ug/kg	U	1
2,4-Dimethylphenol	BQL	377	ug/kg	U	1
2,4-Dinitrophenol	BQL	755	ug/kg	U	1
2,4-Dinitrotoluene	BQL	377	ug/kg	U	1
2,6-Dinitrotoluene	BQL	377	ug/kg	U	1
2-Chloronaphthalene	BQL	377	ug/kg	U	1
2-Chlorophenol	BQL	377	ug/kg	U	1
2-Methylnaphthalene	BQL	377	ug/kg	U	1
2-Nitroaniline	BQL	377	ug/kg	U	1
2-Nitrophenol	BQL	377	ug/kg	U	1
2-methylphenol	BQL	377	ug/kg	U	1
3,3-Dichlorobenzidine	BQL	755	ug/kg	U	1
3-Nitroaniline	BQL	377	ug/kg	U	1
4,6-dinitro-2-methyl phenol	BQL	755	ug/kg	U	1
4-Bromophenyl-phenylether	BQL	377	ug/kg	U	1
4-Chloroaniline	BQL	377	ug/kg	U	1
4-Chlorophenyl Phenyl Ether	BQL	377	ug/kg	U	1
4-Nitroaniline	BQL	377	ug/kg	U	1
4-Nitrophenol	BQL	755	ug/kg	U	1
4-chloro-3-methylphenol	BQL	377	ug/kg	U	1
4-methylphenol	BQL	377	ug/kg	U	1
Acenaphthene	BQL	377	ug/kg	U	1
Acenaphthylene	BQL	377	ug/kg	U	1
Anthracene	BQL	377	ug/kg	U	1
Benzo(a)anthracene	49.8	377	ug/kg	J	1
Benzo(a)pyrene	44.9	377	ug/kg	J	1
Benzo(b)fluoranthene	82.6	377	ug/kg	J	1
Benzo(g,h,i)perylene	BQL	377	ug/kg	U	1
Benzo(k)fluoranthene	BQL	377	ug/kg	U	1
Benzyl Butyl Phthalate	BQL	377	ug/kg	U	1
Carbazole	BQL	377	ug/kg	U	1
Chrysene	BQL	377	ug/kg	U	1

Summary of Analytical Results

Client ID AB0447
GPL ID: 10063-011-04-1
Matrix: Soil
Date Collected: Oct-12-2000
Date Received: Oct-12-2000

Prep Method: SW3550
Prep Date: Oct-17-2000
Prep Time: 13:57
Prep Chemist: Shila Soleimani

Analytical Method: SW8270CTCL
Date Analyzed: Nov-07-2000
Time Analyzed 19:09
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	377	ug/kg	U	1
Dibenzofuran	BQL	377	ug/kg	U	1
Diethyl Phthalate	624	377	ug/kg	B	1
Dimethyl Phthalate	BQL	377	ug/kg	U	1
Fluoranthene	86.0	377	ug/kg	J	1
Fluorene	BQL	377	ug/kg	U	1
Hexachlorobenzene	BQL	377	ug/kg	U	1
Hexachlorobutadiene	BQL	377	ug/kg	U	1
Hexachlorocyclopentadiene	BQL	377	ug/kg	U	1
Hexachloroethane	BQL	377	ug/kg	U	1
Indeno(1,2,3-c,d)Pyrene	BQL	377	ug/kg	U	1
Isophorone	BQL	377	ug/kg	U	1
Naphthalene	BQL	377	ug/kg	U	1
Nitrobenzene	BQL	377	ug/kg	U	1
Pentachlorophenol	BQL	755	ug/kg	U	1
Phenanthrene	BQL	377	ug/kg	U	1
Phenol	BQL	377	ug/kg	U	1
Pyrene	BQL	377	ug/kg	U	1
bis(2-chloroethoxy) methane	BQL	377	ug/kg	U	1
bis(2-chloroethyl) ether	BQL	377	ug/kg	U	1
bis(2-ethylhexyl) phthalate	41.9	377	ug/kg	J	1
di-n-Butyl Phthalate	49.4	377	ug/kg	J	1
di-n-Octyl Phthalate	BQL	377	ug/kg	U	1
n-Nitrosodi-n-Propylamine	BQL	377	ug/kg	U	1
n-Nitrosodiphenylamine	BQL	377	ug/kg	U	1

Summary of Analytical Results

Client ID AB0475
GPL ID: 10063-014-04-1
Matrix: Soil
Date Collected: Oct-12-2000
Date Received: Oct-12-2000

Prep Method: SW3550
Prep Date: Oct-17-2000
Prep Time: 13:57
Prep Chemist: Shila Soleimani

Analytical Method: SW8270CTCL
Date Analyzed: Nov-07-2000
Time Analyzed 22:02
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	402	ug/kg	U	1
1,2-Dichlorobenzene	BQL	402	ug/kg	U	1
1,3-Dichlorobenzene	BQL	402	ug/kg	U	1
1,4-Dichlorobenzene	BQL	402	ug/kg	U	1
2,2-Oxybis(1-Chloro)Propane	BQL	402	ug/kg	U	1
2,4,5-Trichlorophenol	BQL	402	ug/kg	U	1
2,4,6-Trichlorophenol	BQL	402	ug/kg	J	1
2,4-Dichlorophenol	BQL	402	ug/kg	U	1
2,4-Dimethylphenol	BQL	402	ug/kg	U	1
2,4-Dinitrophenol	BQL	803	ug/kg	U	1
2,4-Dinitrotoluene	55.8	402	ug/kg	J	1
2,6-Dinitrotoluene	BQL	402	ug/kg	U	1
2-Chloronaphthalene	BQL	402	ug/kg	U	1
2-Chlorophenol	BQL	402	ug/kg	U	1
2-Methylnaphthalene	BQL	402	ug/kg	U	1
2-Nitroaniline	BQL	402	ug/kg	U	1
2-Nitrophenol	BQL	402	ug/kg	U	1
2-methylphenol	BQL	402	ug/kg	U	1
3,3-Dichlorobenzidine	BQL	803	ug/kg	U	1
3-Nitroaniline	BQL	402	ug/kg	U	1
4,6-dinitro-2-methyl phenol	BQL	803	ug/kg	U	1
4-Bromophenyl-phenylether	BQL	402	ug/kg	U	1
4-Chloroaniline	BQL	402	ug/kg	U	1
4-Chlorophenyl Phenyl Ether	BQL	402	ug/kg	U	1
4-Nitroaniline	BQL	402	ug/kg	U	1
4-Nitrophenol	BQL	803	ug/kg	U	1
4-chloro-3-methylphenol	BQL	402	ug/kg	U	1
4-methylphenol	BQL	402	ug/kg	U	1
Acenaphthene	BQL	402	ug/kg	U	1
Acenaphthylene	BQL	402	ug/kg	U	1
Anthracene	BQL	402	ug/kg	U	1
Benzo(a)anthracene	45.4	402	ug/kg	J	1
Benzo(a)pyrene	43.0	402	ug/kg	J	1
Benzo(b)fluoranthene	BQL	402	ug/kg	U	1
Benzo(g,h,i)perylene	BQL	402	ug/kg	U	1
Benzo(k)fluoranthene	BQL	402	ug/kg	U	1
Benzyl Butyl Phthalate	BQL	402	ug/kg	U	1
Carbazole	BQL	402	ug/kg	U	1
Chrysene	BQL	402	ug/kg	U	1

Summary of Analytical Results

Client ID AB0475
GPL ID: 10063-014-04-1
Matrix: Soil
Date Collected: Oct-12-2000
Date Received: Oct-12-2000

Prep Method: SW3550
Prep Date: Oct-17-2000
Prep Time: 13:57
Prep Chemist: Shila Soleimani

Analytical Method: SW8270CTCL
Date Analyzed: Nov-07-2000
Time Analyzed 22:02
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	402	ug/kg	U	1
Dibenzofuran	BQL	402	ug/kg	U	1
Diethyl Phthalate	585	402	ug/kg	B	1
Dimethyl Phthalate	BQL	402	ug/kg	U	1
Fluoranthene	BQL	402	ug/kg	U	1
Fluorene	BQL	402	ug/kg	U	1
Hexachlorobenzene	BQL	402	ug/kg	U	1
Hexachlorobutadiene	BQL	402	ug/kg	U	1
Hexachlorocyclopentadiene	BQL	402	ug/kg	U	1
Hexachloroethane	BQL	402	ug/kg	U	1
Indeno(1,2,3-c,d)Pyrene	BQL	402	ug/kg	U	1
Isophorone	BQL	402	ug/kg	U	1
Naphthalene	BQL	402	ug/kg	U	1
Nitrobenzene	BQL	402	ug/kg	U	1
Pentachlorophenol	BQL	803	ug/kg	U	1
Phenanthrene	BQL	402	ug/kg	U	1
Phenol	BQL	402	ug/kg	U	1
Pyrene	BQL	402	ug/kg	U	1
bis(2-chloroethoxy) methane	BQL	402	ug/kg	U	1
bis(2-chloroethyl) ether	BQL	402	ug/kg	U	1
bis(2-ethylhexyl) phthalate	23.7	402	ug/kg	J	1
di-n-Butyl Phthalate	BQL	402	ug/kg	U	1
di-n-Octyl Phthalate	BQL	402	ug/kg	U	1
n-Nitrosodi-n-Propylamine	BQL	402	ug/kg	U	1
n-Nitrosodiphenylamine	BQL	402	ug/kg	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB0476
GPL ID: 10063-015-04-1
Matrix: Soil
Date Collected: Oct-12-2000
Date Received: Oct-12-2000

Prep Method: SW3550
Prep Date: Oct-17-2000
Prep Time: 13:57
Prep Chemist: Shila Soleimani

Analytical Method: SW8270CTCL
Date Analyzed: Nov-08-2000
Time Analyzed 15:15
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	405	ug/kg	U	1
1,2-Dichlorobenzene	BQL	405	ug/kg	U	1
1,3-Dichlorobenzene	BQL	405	ug/kg	U	1
1,4-Dichlorobenzene	BQL	405	ug/kg	U	1
2,2-Oxybis(1-Chloro)Propane	BQL	405	ug/kg	U	1
2,4,5-Trichlorophenol	BQL	405	ug/kg	U	1
2,4,6-Trichlorophenol	BQL	405	ug/kg	J	1
2,4-Dichlorophenol	BQL	405	ug/kg	U	1
2,4-Dimethylphenol	BQL	405	ug/kg	U	1
2,4-Dinitrophenol	BQL	811	ug/kg	U	1
2,4-Dinitrotoluene	496	405	ug/kg		1
2,6-Dinitrotoluene	BQL	405	ug/kg	U	1
2-Chloronaphthalene	BQL	405	ug/kg	U	1
2-Chlorophenol	BQL	405	ug/kg	U	1
2-Methylnaphthalene	BQL	405	ug/kg	U	1
2-Nitroaniline	BQL	405	ug/kg	U	1
2-Nitrophenol	BQL	405	ug/kg	U	1
2-methylphenol	BQL	405	ug/kg	U	1
3,3-Dichlorobenzidine	BQL	811	ug/kg	U	1
3-Nitroaniline	BQL	405	ug/kg	U	1
4,6-dinitro-2-methyl phenol	BQL	811	ug/kg	U	1
4-Bromophenyl-phenylether	BQL	405	ug/kg	U	1
4-Chloroaniline	BQL	405	ug/kg	U	1
4-Chlorophenyl Phenyl Ether	BQL	405	ug/kg	U	1
4-Nitroaniline	BQL	405	ug/kg	U	1
4-Nitrophenol	BQL	811	ug/kg	U	1
4-chloro-3-methylphenol	BQL	405	ug/kg	U	1
4-methylphenol	BQL	405	ug/kg	U	1
Acenaphthene	BQL	405	ug/kg	U	1
Acenaphthylene	BQL	405	ug/kg	U	1
Anthracene	BQL	405	ug/kg	U	1
Benzo(a)anthracene	BQL	405	ug/kg	U	1
Benzo(a)pyrene	BQL	405	ug/kg	U	1
Benzo(b)fluoranthene	BQL	405	ug/kg	U	1
Benzo(g,h,i)perylene	BQL	405	ug/kg	U	1
Benzo(k)fluoranthene	BQL	405	ug/kg	U	1
Benzyl Butyl Phthalate	BQL	405	ug/kg	U	1
Carbazole	BQL	405	ug/kg	U	1
Chrysene	BQL	405	ug/kg	U	1

Summary of Analytical Results

Client ID AB0476
GPL ID: 10063-015-04-1
Matrix: Soil
Date Collected: Oct-12-2000
Date Received: Oct-12-2000

Prep Method: SW3550
Prep Date: Oct-17-2000
Prep Time: 13:57
Prep Chemist: Shila Soleimani

Analytical Method: SW8270CTCL
Date Analyzed: Nov-08-2000
Time Analyzed 15:15
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	405	ug/kg	U	1
Dibenzofuran	BQL	405	ug/kg	U	1
Diethyl Phthalate	622	405	ug/kg	B	1
Dimethyl Phthalate	BQL	405	ug/kg	U	1
Fluoranthene	BQL	405	ug/kg	U	1
Fluorene	BQL	405	ug/kg	U	1
Hexachlorobenzene	BQL	405	ug/kg	U	1
Hexachlorobutadiene	BQL	405	ug/kg	U	1
Hexachlorocyclopentadiene	BQL	405	ug/kg	U	1
Hexachloroethane	BQL	405	ug/kg	U	1
Indeno(1,2,3-c,d)Pyrene	BQL	405	ug/kg	U	1
Isophorone	BQL	405	ug/kg	U	1
Naphthalene	BQL	405	ug/kg	U	1
Nitrobenzene	BQL	405	ug/kg	U	1
Pentachlorophenol	BQL	811	ug/kg	U	1
Phenanthrene	BQL	405	ug/kg	U	1
Phenol	BQL	405	ug/kg	U	1
Pyrene	BQL	405	ug/kg	U	1
bis(2-chloroethoxy) methane	BQL	405	ug/kg	U	1
bis(2-chloroethyl) ether	BQL	405	ug/kg	U	1
bis(2-ethylhexyl) phthalate	32.4	405	ug/kg	J	1
di-n-Butyl Phthalate	BQL	405	ug/kg	U	1
di-n-Octyl Phthalate	BQL	405	ug/kg	U	1
n-Nitrosodi-n-Propylamine	BQL	405	ug/kg	U	1
n-Nitrosodiphenylamine	BQL	405	ug/kg	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB0477
GPL ID: 10063-016-04-1
Matrix: Soil
Date Collected: Oct-12-2000
Date Received: Oct-12-2000

Prep Method: SW3550
Prep Date: Oct-17-2000
Prep Time: 13:57
Prep Chemist: Shila Soleimani

Analytical Method: SW8270CTCL
Date Analyzed: Nov-08-2000
Time Analyzed 13:49
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	381	ug/kg	U	1
1,2-Dichlorobenzene	BQL	381	ug/kg	U	1
1,3-Dichlorobenzene	BQL	381	ug/kg	U	1
1,4-Dichlorobenzene	BQL	381	ug/kg	U	1
2,2-Oxybis(1-Chloro)Propane	BQL	381	ug/kg	U	1
2,4,5-Trichlorophenol	BQL	381	ug/kg	U	1
2,4,6-Trichlorophenol	BQL	381	ug/kg	J	1
2,4-Dichlorophenol	BQL	381	ug/kg	U	1
2,4-Dimethylphenol	BQL	381	ug/kg	U	1
2,4-Dinitrophenol	BQL	761	ug/kg	U	1
2,4-Dinitrotoluene	176	381	ug/kg	J	1
2,6-Dinitrotoluene	386	381	ug/kg		1
2-Chloronaphthalene	BQL	381	ug/kg	U	1
2-Chlorophenol	BQL	381	ug/kg	U	1
2-Methylnaphthalene	BQL	381	ug/kg	U	1
2-Nitroaniline	BQL	381	ug/kg	U	1
2-Nitrophenol	BQL	381	ug/kg	U	1
2-methylphenol	BQL	381	ug/kg	U	1
3,3-Dichlorobenzidine	BQL	761	ug/kg	U	1
3-Nitroaniline	BQL	381	ug/kg	U	1
4,6-dinitro-2-methyl phenol	BQL	761	ug/kg	U	1
4-Bromophenyl-phenylether	BQL	381	ug/kg	U	1
4-Chloroaniline	BQL	381	ug/kg	U	1
4-Chlorophenyl Phenyl Ether	BQL	381	ug/kg	U	1
4-Nitroaniline	BQL	381	ug/kg	U	1
4-Nitrophenol	BQL	761	ug/kg	U	1
4-chloro-3-methylphenol	BQL	381	ug/kg	U	1
4-methylphenol	BQL	381	ug/kg	U	1
Acenaphthene	BQL	381	ug/kg	U	1
Acenaphthylene	BQL	381	ug/kg	U	1
Anthracene	BQL	381	ug/kg	U	1
Benzo(a)anthracene	BQL	381	ug/kg	U	1
Benzo(a)pyrene	BQL	381	ug/kg	U	1
Benzo(b)fluoranthene	BQL	381	ug/kg	U	1
Benzo(g,h,i)perylene	BQL	381	ug/kg	U	1
Benzo(k)fluoranthene	BQL	381	ug/kg	U	1
Benzyl Butyl Phthalate	BQL	381	ug/kg	U	1
Carbazole	BQL	381	ug/kg	U	1
Chrysene	BQL	381	ug/kg	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB0477
GPL ID: 10063-016-04-1
Matrix: Soil
Date Collected: Oct-12-2000
Date Received: Oct-12-2000

Prep Method: SW3550
Prep Date: Oct-17-2000
Prep Time: 13:57
Prep Chemist: Shila Soleimani

Analytical Method: SW8270CTCL
Date Analyzed: Nov-08-2000
Time Analyzed 13:49
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	381	ug/kg	U	1
Dibenzofuran	BQL	381	ug/kg	U	1
Diethyl Phthalate	BQL	381	ug/kg	U	1
Dimethyl Phthalate	BQL	381	ug/kg	U	1
Fluoranthene	BQL	381	ug/kg	U	1
Fluorene	BQL	381	ug/kg	U	1
Hexachlorobenzene	BQL	381	ug/kg	U	1
Hexachlorobutadiene	BQL	381	ug/kg	U	1
Hexachlorocyclopentadiene	BQL	381	ug/kg	U	1
Hexachloroethane	BQL	381	ug/kg	U	1
Indeno(1,2,3-c,d)Pyrene	BQL	381	ug/kg	U	1
Isophorone	BQL	381	ug/kg	U	1
Naphthalene	BQL	381	ug/kg	U	1
Nitrobenzene	BQL	381	ug/kg	U	1
Pentachlorophenol	BQL	761	ug/kg	U	1
Phenanthrene	BQL	381	ug/kg	U	1
Phenol	BQL	381	ug/kg	U	1
Pyrene	BQL	381	ug/kg	U	1
bis(2-chloroethoxy) methane	BQL	381	ug/kg	U	1
bis(2-chloroethyl) ether	BQL	381	ug/kg	U	1
bis(2-ethylhexyl) phthalate	33.5	381	ug/kg	J	1
di-n-Butyl Phthalate	169	381	ug/kg	J	1
di-n-Octyl Phthalate	BQL	381	ug/kg	U	1
n-Nitrosodi-n-Propylamine	BQL	381	ug/kg	U	1
n-Nitrosodiphenylamine	BQL	381	ug/kg	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB0478
GPL ID: 10063-017-04-1
Matrix: Soil
Date Collected: Oct-12-2000
Date Received: Oct-12-2000

Prep Method: SW3550
Prep Date: Oct-17-2000
Prep Time: 13:57
Prep Chemist: Shila Soleimani

Analytical Method: SW8270CTCL
Date Analyzed: Nov-07-2000
Time Analyzed 22:45
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	403	ug/kg	U	1
1,2-Dichlorobenzene	BQL	403	ug/kg	U	1
1,3-Dichlorobenzene	BQL	403	ug/kg	U	1
1,4-Dichlorobenzene	BQL	403	ug/kg	U	1
2,2-Oxybis(1-Chloro)Propane	BQL	403	ug/kg	U	1
2,4,5-Trichlorophenol	BQL	403	ug/kg	U	1
2,4,6-Trichlorophenol	BQL	403	ug/kg	J	1
2,4-Dichlorophenol	BQL	403	ug/kg	U	1
2,4-Dimethylphenol	BQL	403	ug/kg	U	1
2,4-Dinitrophenol	BQL	806	ug/kg	U	1
2,4-Dinitrotoluene	60.0	403	ug/kg	J	1
2,6-Dinitrotoluene	BQL	403	ug/kg	U	1
2-Chloronaphthalene	BQL	403	ug/kg	U	1
2-Chlorophenol	BQL	403	ug/kg	U	1
2-Methylnaphthalene	BQL	403	ug/kg	U	1
2-Nitroaniline	BQL	403	ug/kg	U	1
2-Nitrophenol	BQL	403	ug/kg	U	1
2-methylphenol	BQL	403	ug/kg	U	1
3,3-Dichlorobenzidine	BQL	806	ug/kg	U	1
3-Nitroaniline	BQL	403	ug/kg	U	1
4,6-dinitro-2-methyl phenol	BQL	806	ug/kg	U	1
4-Bromophenyl-phenylether	BQL	403	ug/kg	U	1
4-Chloroaniline	BQL	403	ug/kg	U	1
4-Chlorophenyl Phenyl Ether	BQL	403	ug/kg	U	1
4-Nitroaniline	BQL	403	ug/kg	U	1
4-Nitrophenol	BQL	806	ug/kg	U	1
4-chloro-3-methylphenol	BQL	403	ug/kg	U	1
4-methylphenol	BQL	403	ug/kg	U	1
Acenaphthene	BQL	403	ug/kg	U	1
Acenaphthylene	BQL	403	ug/kg	U	1
Anthracene	BQL	403	ug/kg	U	1
Benzo(a)anthracene	BQL	403	ug/kg	U	1
Benzo(a)pyrene	BQL	403	ug/kg	U	1
Benzo(b)fluoranthene	BQL	403	ug/kg	U	1
Benzo(g,h,i)perylene	BQL	403	ug/kg	U	1
Benzo(k)fluoranthene	BQL	403	ug/kg	U	1
Benzyl Butyl Phthalate	BQL	403	ug/kg	U	1
Carbazole	BQL	403	ug/kg	U	1
Chrysene	BQL	403	ug/kg	U	1

Summary of Analytical Results

Client ID AB0478
GPL ID: 10063-017-04-1
Matrix: Soil
Date Collected: Oct-12-2000
Date Received: Oct-12-2000

Prep Method: SW3550
Prep Date: Oct-17-2000
Prep Time: 13:57
Prep Chemist: Shila Soleimani

Analytical Method: SW8270CTCL
Date Analyzed: Nov-07-2000
Time Analyzed 22:45
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	403	ug/kg	U	1
Dibenzofuran	BQL	403	ug/kg	U	1
Diethyl Phthalate	672	403	ug/kg	B	1
Dimethyl Phthalate	BQL	403	ug/kg	U	1
Fluoranthene	BQL	403	ug/kg	U	1
Fluorene	BQL	403	ug/kg	U	1
Hexachlorobenzene	BQL	403	ug/kg	U	1
Hexachlorobutadiene	BQL	403	ug/kg	U	1
Hexachlorocyclopentadiene	BQL	403	ug/kg	U	1
Hexachloroethane	BQL	403	ug/kg	U	1
Indeno(1,2,3-c,d)Pyrene	BQL	403	ug/kg	U	1
Isophorone	BQL	403	ug/kg	U	1
Naphthalene	BQL	403	ug/kg	U	1
Nitrobenzene	BQL	403	ug/kg	U	1
Pentachlorophenol	BQL	806	ug/kg	U	1
Phenanthrene	BQL	403	ug/kg	U	1
Phenol	BQL	403	ug/kg	U	1
Pyrene	BQL	403	ug/kg	U	1
bis(2-chloroethoxy) methane	BQL	403	ug/kg	U	1
bis(2-chloroethyl) ether	BQL	403	ug/kg	U	1
bis(2-ethylhexyl) phthalate	BQL	403	ug/kg	U	1
di-n-Butyl Phthalate	BQL	403	ug/kg	U	1
di-n-Octyl Phthalate	BQL	403	ug/kg	U	1
n-Nitrosodi-n-Propylamine	BQL	403	ug/kg	U	1
n-Nitrosodiphenylamine	BQL	403	ug/kg	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB0479
GPL ID: 10063-018-04-1
Matrix: Soil
Date Collected: Oct-12-2000
Date Received: Oct-12-2000

Prep Method: SW3550
Prep Date: Oct-17-2000
Prep Time: 13:57
Prep Chemist: Shila Soleimani

Analytical Method: SW8270CTCL
Date Analyzed: Nov-07-2000
Time Analyzed 23:28
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	381	ug/kg	U	1
1,2-Dichlorobenzene	BQL	381	ug/kg	U	1
1,3-Dichlorobenzene	BQL	381	ug/kg	U	1
1,4-Dichlorobenzene	BQL	381	ug/kg	U	1
2,2-Oxybis(1-Chloro)Propane	BQL	381	ug/kg	U	1
2,4,5-Trichlorophenol	BQL	381	ug/kg	U	1
2,4,6-Trichlorophenol	BQL	381	ug/kg	J	1
2,4-Dichlorophenol	BQL	381	ug/kg	U	1
2,4-Dimethylphenol	BQL	381	ug/kg	U	1
2,4-Dinitrophenol	BQL	761	ug/kg	U	1
2,4-Dinitrotoluene	BQL	381	ug/kg	U	1
2,6-Dinitrotoluene	BQL	381	ug/kg	U	1
2-Chloronaphthalene	BQL	381	ug/kg	U	1
2-Chlorophenol	BQL	381	ug/kg	U	1
2-Methylnaphthalene	BQL	381	ug/kg	U	1
2-Nitroaniline	BQL	381	ug/kg	U	1
2-Nitrophenol	BQL	381	ug/kg	U	1
2-methylphenol	BQL	381	ug/kg	U	1
3,3-Dichlorobenzidine	BQL	761	ug/kg	U	1
3-Nitroaniline	BQL	381	ug/kg	U	1
4,6-dinitro-2-methyl phenol	BQL	761	ug/kg	U	1
4-Bromophenyl-phenylether	BQL	381	ug/kg	U	1
4-Chloroaniline	BQL	381	ug/kg	U	1
4-Chlorophenyl Phenyl Ether	BQL	381	ug/kg	U	1
4-Nitroaniline	BQL	381	ug/kg	U	1
4-Nitrophenol	BQL	761	ug/kg	U	1
4-chloro-3-methylphenol	BQL	381	ug/kg	U	1
4-methylphenol	BQL	381	ug/kg	U	1
Acenaphthene	BQL	381	ug/kg	U	1
Acenaphthylene	BQL	381	ug/kg	U	1
Anthracene	BQL	381	ug/kg	U	1
Benzo(a)anthracene	BQL	381	ug/kg	U	1
Benzo(a)pyrene	BQL	381	ug/kg	U	1
Benzo(b)fluoranthene	BQL	381	ug/kg	U	1
Benzo(g,h,i)perylene	BQL	381	ug/kg	U	1
Benzo(k)fluoranthene	BQL	381	ug/kg	U	1
Benzyl Butyl Phthalate	BQL	381	ug/kg	U	1
Carbazole	BQL	381	ug/kg	U	1
Chrysene	BQL	381	ug/kg	U	1

Summary of Analytical Results

Client ID AB0479
GPL ID: 10063-018-04-1
Matrix: Soil
Date Collected: Oct-12-2000
Date Received: Oct-12-2000

Prep Method: SW3550
Prep Date: Oct-17-2000
Prep Time: 13:57
Prep Chemist: Shila Soleimani

Analytical Method: SW8270CTCL
Date Analyzed: Nov-07-2000
Time Analyzed 23:28
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	381	ug/kg	U	1
Dibenzofuran	BQL	381	ug/kg	U	1
Diethyl Phthalate	529	381	ug/kg	B	1
Dimethyl Phthalate	BQL	381	ug/kg	U	1
Fluoranthene	BQL	381	ug/kg	U	1
Fluorene	BQL	381	ug/kg	U	1
Hexachlorobenzene	BQL	381	ug/kg	U	1
Hexachlorobutadiene	BQL	381	ug/kg	U	1
Hexachlorocyclopentadiene	BQL	381	ug/kg	U	1
Hexachloroethane	BQL	381	ug/kg	U	1
Indeno(1,2,3-c,d)Pyrene	BQL	381	ug/kg	U	1
Isophorone	BQL	381	ug/kg	U	1
Naphthalene	BQL	381	ug/kg	U	1
Nitrobenzene	BQL	381	ug/kg	U	1
Pentachlorophenol	BQL	761	ug/kg	U	1
Phenanthrene	BQL	381	ug/kg	U	1
Phenol	BQL	381	ug/kg	U	1
Pyrene	BQL	381	ug/kg	U	1
bis(2-chloroethoxy) methane	BQL	381	ug/kg	U	1
bis(2-chloroethyl) ether	BQL	381	ug/kg	U	1
bis(2-ethylhexyl) phthalate	39.2	381	ug/kg	J	1
di-n-Butyl Phthalate	BQL	381	ug/kg	U	1
di-n-Octyl Phthalate	BQL	381	ug/kg	U	1
n-Nitrosodi-n-Propylamine	BQL	381	ug/kg	U	1
n-Nitrosodiphenylamine	BQL	381	ug/kg	U	1

2C
WATER SEMIVOLATILE SURROGATE RECOVERY

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBROOK

Lab Code: GPL Case No.: N/A SAS No.: N/A SDG No.: N/A

	Client SAMPLE NO.	S1 (2FP) #	S2 (PHL) #	S3 (NBZ) #	S4 (FBP) #	S5 (TBP) #	S6 (TPH) #	TOT OUT
01	BLK7501	44*	64	71	70	72	102	1
02	BKS7501	48*	68	74	74	87	90	1
03	AA3007	31*	57	69	66	68	94	1
04	AA3008	30*	55	62	62	76	82	1
05	AA3001DL	7 ~~1~~*	12 ~~1~~*	59 ~~6~~	52 ~~5~~	12 ~~1~~*	61 ~~6~~	3 ~~8~~
06	AA3003DL	9 ~~5~~*	36 ~~18~~	63 ~~31~~	61 ~~30~~	8 ~~4~~*	68 ~~34~~	2 ~~8~~
07	AA3004	52	69	80	69	91	66	0

KND 11.14.00

				QC LIMITS
S1	(2FP)	=	2-Fluorophenol	(20-150)
S2	(PHL)	=	Phenol-d5	(30-150)
S3	(NBZ)	=	Nitrobenzene-d5	(20-137)
S4	(FBP)	=	2-Fluorobiphenyl	(23-110)
S5	(TBP)	=	2,4,6-Tribromophenol	(20-150)
S6	(TPH)	=	Terphenyl-d14	(20-138)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogate diluted out

2003

2C
WATER SEMIVOLATILE SURROGATE RECOVERY

Lab Name: GPL LABORATORIES Contract: IT_PLUMBROOK

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

	CLIENT SAMPLE NO.	S1 (2FP) #	S2 (PHL) #	S3 (NBZ) #	S4 (FBP) #	S5 (TBP) #	S6 (TPH) #	TOT OUT
01	BLK7964	54	69	89	74	77	99	0
02	BKS7964	49*	72	89	75	88	100	0
03	AA3003REDL	49 5*	63 8*	76 8*	72 7*	64 8*	79 8*	0
04	AA3001REDL	61 8*	27* 3*	97 10*	79 8*	69 7*	93 9*	0

1 11/14/00

				QC LIMITS
S1	(2FP)	=	2-Fluorophenol	(20-150)
S2	(PHL)	=	Phenol-d5	(30-150)
S3	(NBZ)	=	Nitrobenzene-d5	(20-137)
S4	(FBP)	=	2-Fluorobiphenyl	(23-110)
S5	(TBP)	=	2,4,6-Tribromophenol	(20-150)
S6	(TPH)	=	Terphenyl-d14	(20-138)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogate diluted out

2004

2D
SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBROOK

Lab Code: GPL Case No.: N/A SAS No.: N/A SDG No.: N/A

Level: (low/med) LOW

	Client SAMPLE NO.	S1 (2FP) #	S2 (PHL) #	S3 (NBZ) #	S4 (FBP) #	S5 (TBP) #	S6 (TPH) #	TOT OUT
01	BLK7416	77	80	87	78	93	97	0
02	BKS7416	84	89	93	86	105	86	0
03	AB0447	75	80	80	73	110	82	0
04	AB0447MS	71	77	79	77	103	82	0
05	AB0447MSD	74	81	80	76	117	84	0
06	AB0431	70	75	81	73	107	83	0
07	AB0475	69	72	76	70	100	81	0
08	AB0478	67	71	75	73	104	83	0
09	AB0479	76	78	83	75	103	91	0
10	AB0477	70	74	80	73	102	101	0
11	AB0426	76	80	82	79	104	90	0
12	AB0476	76	83	86	81	106	88	0
13	AB0430DL	62 ~~6*~~	59 ~~6*~~	63 ~~6*~~	64 ~~6*~~	57 ~~6*~~	86 ~~9*~~	0 ~~8~~

MN 11.14.00

				QC LIMITS
S1	(2FP)	=	2-Fluorophenol	(52-150)
S2	(PHL)	=	Phenol-d5	(20-150)
S3	(NBZ)	=	Nitrobenzene-d5	(26-150)
S4	(FBP)	=	2-Fluorobiphenyl	(41-128)
S5	(TBP)	=	2,4,6-Tribromophenol	(20-150)
S6	(TPH)	=	Terphenyl-d14	(52-110)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogate diluted out

2005

3C

WATER SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: GPL_LABORATORIES

Contract: IT_PLUMBROOK

Lab Code: GPLL

SDG No.: N/A

EPA Sample No.: AB3002DL

GPL ID: 10052-007-04-1DL MS / MSD

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC
Phenol	220	0	140	64
2-Chlorophenol	220	0	120	55
1,4-Dichlorobenzene	220	0	130	59
N-Nitroso-di-n-propylamine	220	0	170	77
1,2,4-Trichlorobenzene	220	0	120	55
4-Chloro-3-methylphenol	220	0	120	55
Acenaphthene	220	0	140	64
2,4-Dinitrotoluene	220	4800	4000	0 *
4-Nitrophenol	220	0	71	32
Pentachlorophenol	220	0	21	10 *
Pyrene	220	0	130	59

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS REC LOW	HIGH	RPD
Phenol	220	120	55	15	20	150	40
2-Chlorophenol	220	110	50	10	23	134	40
1,4-Dichlorobenzene	220	120	55	7	20	125	19
N-Nitroso-di-n-propylamine	220	160	73	5	20	150	40
1,2,4-Trichlorobenzene	220	110	50	10	23	114	47
4-Chloro-3-methylphenol	220	120	55	0	26	147	40
Acenaphthene	220	120	55	15	20	116	40
2,4-Dinitrotoluene	220	3600	0 *	0	24	149	40
4-Nitrophenol	220	63	29	10	20	150	36
Pentachlorophenol	220	0	0 *	200 *	20	150	40
Pyrene	220	130	59	0	20	135	40

RPD: 1 out of 17 outside limits
Spike Recovery: 4 out of 34 outside limits

Comments:

2006

3D

SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBROOK

Lab Code: GPL Case No.: N/A SAS No.: N/A SDG No.: N/A

Matrix Spike - EPA Sample No.: AB0447 Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC LIMITS REC.
Phenol	3900	0.0	3500	90	75 - 150
2-Chlorophenol	3900	0.0	3200	82	31 - 129
1,4-Dichlorobenzene	3900	0.0	2600	67	25 - 122
N-Nitroso-di-n-propylamine	3900	0.0	3500	90	20 - 150
1,2,4-Trichlorobenzene	3900	0.0	2600	67	51 - 120
4-Chloro-3-methylphenol	3900	0.0	3600	92	34 - 125
Acenaphthene	3900	0.0	3600	92	46 - 135
2,4-Dinitrotoluene	3900	0.0	3600	92	38 - 137
4-Nitrophenol	3900	0.0	5200	133	20 - 150
Pentachlorophenol	3900	0.0	3600	92	32 - 137
Pyrene	3900	0.0	3300	85	24 - 144

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Phenol	3900	3600	92	2	35	75 - 150
2-Chlorophenol	3900	3300	85	4	50	31 - 129
1,4-Dichlorobenzene	3900	2500	64	5	27	25 - 122
N-Nitroso-di-n-propylamine	3900	3600	92	2	38	20 - 150
1,2,4-Trichlorobenzene	3900	2700	69	3	23	51 - 120
4-Chloro-3-methylphenol	3900	3900	100	8	33	34 - 125
Acenaphthene	3900	3600	92	0	19	46 - 135
2,4-Dinitrotoluene	3900	3800	97	5	47	38 - 137
4-Nitrophenol	3900	6000	154 *	15	50	20 - 150
Pentachlorophenol	3900	3700	95	3	47	32 - 137
Pyrene	3900	3300	85	0	36	24 - 144

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 11 outside limits

Spike Recovery: 1 out of 22 outside limits

COMMENTS:

3F
WATER LABORATORY CONTROL SPIKE RECOVERY

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBROOK

Lab Code: GPL Case No.: N/A SDG No.: N/A

EPA Sample No.: BKS7501 CLIENT ID: BKS7501

DATE EXTRACTED: 10/18/00 WORK ORDER NO: 00-10-063

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	INTERNAL QC LIMITS
Phenol	100	74	74	30-100
2-Chlorophenol	100	68	68	67-105
1,4-Dichlorobenzene	100	57	57	43-101
N-Nitroso-Di-n-Propylamine	100	83	83	43-150
1,2,4-Trichlorobenzene	100	60	60	51-100
4-Chloro-3-methylphenol	100	80	80	61-125
Acenaphthene	100	76	76	35-125
2,4-Dinitrotoluene	100	70	70	66-123
4-Nitrophenol	100	88	88	20-150
Pentachlorophenol	100	83	83	43-150
Pyrene	100	86	86	56-116

COMMENTS:

3E

WATER LABORATORY CONTROL SPIKE RECOVERY REPORT

Lab Name: GPL LABORATORIES

Contract: IT_PLUMBROOK

Lab Code: GPLL

SDG No.: N/A

EPA Sample No.: BKS7964

GPL ID: BKS7964

Date Extracted: 11/8/2000

Work Order No: 10063

MATRIX: WATER

COMPOUND	SPIKE ADDED (ug/L)	BLANK CONC. (ug/L)	LCS CONC. (ug/L)	LCS % REC	QC LIMITS LOW	QC LIMITS HIGH
Phenol	100	0	87	87	30	100
2-Chlorophenol	100	0	81	81	67	105
1,4-Dichlorobenzene	100	0	69	69	43	101
N-Nitroso-di-n-propylamine	100	0	110	110	43	150
1,2,4-Trichlorobenzene	100	0	66	66	51	100
4-Chloro-3-methylphenol	100	0	97	97	61	125
Acenaphthene	100	0	85	85	35	125
2,4-Dinitrotoluene	100	0	92	92	66	123
4-Nitrophenol	100	0	29	29	20	150
Pentachlorophenol	100	0	59	59	43	150
Pyrene	100	0	100	100	56	116

Spike recovery: 0 of 11 out of QC limits.

* Values outside of QC limits

COMMENTS:

8270C

3F
SOIL LABORATORY CONTROL SPIKE RECOVERY

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBROOK

Lab Code: GPL SDG No.: N/A

EPA Sample No.: BKS7416 CLIENT ID: BKS7416

DATE EXTRACTED: 10/17/00 WORK ORDER NO: 00-10-063

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	INTERNAL QC LIMITS
Phenol	3300	3400	103	47-111
2-Chlorophenol	3300	3300	100	52-124
1,4-Dichlorobenzene	3300	2800	85	52-112
N-Nitroso-Di-n-Propylamine	3300	3600	109	70-150
1,2,4-Trichlorobenzene	3300	2800	85	63-112
4-Chloro-3-methylphenol	3300	3400	103	63-125
Acenaphthene	3300	3300	100	45-104
2,4-Dinitrotoluene	3300	3200	97	56-133
4-Nitrophenol	3300	4500	136	44-150
Pentachlorophenol	3300	3100	94	27-142
Pyrene	3300	2800	85	56-106

*Values outside internal limits

COMMENTS:

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

BLK7501

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBRO

Lab Code: GPL Case No.: N/A SAS No.: N/A SDG No.: N/A

Lab File ID: P09656.D Lab Sample ID: BLK7501

Instrument ID: HP#P Date Extracted: 10/18/00

Matrix: (soil/water) WATER Date Analyzed: 11/06/00

Level: (low/med) LOW Time Analyzed: 12:15

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	Client SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	BKS7501	BKS7501	P09657.D	11/06/00
02	AA3007	10063-006-04-1/1	P09659.D	11/06/00
03	AA3008	10063-007-04-1/2	P09660.D	11/06/00
04	AA3001DL	10063-003-04-1/2DL	P09662.D	11/06/00
05	AA3003DL	10063-004-04-1/2DL	P09667.D	11/06/00
06	AA3004	10063-005-04-1/2	P09685.D	11/07/00
07	AB0475	10063-014-04-1	P09690.D	11/07/00

COMMENTS:

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

BLK7416

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBRO

Lab Code: GPL Case No.: N/A SAS No.: N/A SDG No.: N/A

Lab File ID: P09683.D Lab Sample ID: BLK7416

Instrument ID: HP#P Date Extracted: 10/17/00

Matrix: (soil/water) SOIL Date Analyzed: 11/07/00

Level: (low/med) LOW Time Analyzed: 17:01

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	Client SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	BKS7416	BKS7416	P09684.D	11/07/00
02	AB0447	10063-011-04-1	P09686.D	11/07/00
03	AB0447MS	10063-011-04-1 MS	P09687.D	11/07/00
04	AB0447MSD	10063-011-04-1 MSD	P09688.D	11/07/00
05	AB0431	10063-010-04-1	P09689.D	11/07/00
06	AB0478	10063-017-04-1	P09691.D	11/07/00
07	AB0479	10063-018-04-1	P09692.D	11/07/00
08	AB0477	10063-016-04-1	P09703.D	11/08/00
09	AB0426	10063-008-04-1	P09704.D	11/08/00
10	AB0476	10063-015-04-1	P09705.D	11/08/00
11	AB0430DL	10063-009-04-1DL	P09706.D	11/08/00

COMMENTS:

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

BLK7964

Lab Name: GPL LABORATORIES Contract: IT_PLUMBRO

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Lab File ID: T02963.D Lab Sample ID: BLK7964

Instrument ID: HP#T Date Extracted: 11/08/00

Matrix: (soil/water) WATER Date Analyzed: 11/11/00

Level: (low/med) LOW Time Analyzed: 22:55

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	Client Sample NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	BKS7964	BKS7964	T02964.D	11/11/00
02	AA3003REDL	11063-004-04-1/2 REDL	T02958.D	11/12/00
03	AA3001REDL	11063-003-04-1/2 REDL	T02959.D	11/12/00

COMMENTS:

Summary of Analytical Results

Client ID AA3001
GPL ID: 10063-003-08-1/2
Matrix: Water
Date Collected: Oct-11-2000
Date Received: Oct-12-2000

Prep Method: EXT_SW8330
Prep Date: Oct-18-2000
Prep Time: 17:08
Prep Chemist: Reynaldo Caraan

Analytical Method: SW8330
Date Analyzed: Oct-21-2000
Time Analyzed 22:12
Analyst: Virginia Markowitz

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	BQL	0.26	ug/L	U	1
1,3-Dinitrobenzene	BQL	0.26	ug/L	U	1
2,4,6-Trinitrotoluene	BQL	0.26	ug/L	U	1
2,4-Dinitrotoluene	14.5	0.26	ug/L		1
2,6-Dinitrotoluene	BQL	0.26	ug/L	U	1
2-Amino-4,6-Dinitrotoluene	BQL	0.26	ug/L	U	1
4-Amino-2,6-Dinitrotoluene	BQL	0.26	ug/L	U	1
HMX	BQL	0.52	ug/L	U	1
Nitrobenzene	BQL	0.26	ug/L	U	1
RDX	BQL	0.52	ug/L	U	1
Tetryl	BQL	0.52	ug/L	U	1
m-Nitrotoluene	8.30	0.52	ug/L		1
o-Nitrotoluene	129	0.52	ug/L		1
p-Nitrotoluene	86.3	0.52	ug/L		1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AA3003
GPL ID: 10063-004-08-1/2
Matrix: Water
Date Collected: Oct-12-2000
Date Received: Oct-12-2000

Prep Method: EXT_SW8330
Prep Date: Oct-18-2000
Prep Time: 17:08
Prep Chemist: Reynaldo Caraan

Analytical Method: SW8330
Date Analyzed: Nov-14-2000
Time Analyzed 14:04
Analyst: Virginia Markowitz

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	BQL	0.26	ug/L	U	1
1,3-Dinitrobenzene	0.563	0.26	ug/L		1
2,4,6-Trinitrotoluene	BQL	0.26	ug/L	U	1
2,6-Dinitrotoluene	BQL	0.26	ug/L	U	1
2-Amino-4,6-Dinitrotoluene	BQL	0.26	ug/L	U	1
4-Amino-2,6-Dinitrotoluene	BQL	0.26	ug/L	U	1
HMX	BQL	0.52	ug/L	U	1
Nitrobenzene	5.37	0.26	ug/L		1
RDX	BQL	0.52	ug/L	U	1
Tetryl	BQL	0.52	ug/L	U	1

Summary of Analytical Results

Client ID AA3003
GPL ID: 10063-004-08-1/2
Matrix: Water
Date Collected: Oct-12-2000
Date Received: Oct-12-2000

Prep Method: EXT_SW8330
Prep Date: Oct-18-2000
Prep Time: 17:08
Prep Chemist: Reynaldo Caraan

Analytical Method: SW8330
Date Analyzed: Nov-14-2000
Time Analyzed 14:34
Analyst: Virginia Markowitz

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
2,4-Dinitrotoluene	771	26	ug/L		100
m-Nitrotoluene	190	51.9	ug/L		100
o-Nitrotoluene	2510	51.9	ug/L		100
p-Nitrotoluene	1880	51.9	ug/L		100

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AA3004
GPL ID: 10063-005-09-1/2
Matrix: Water
Date Collected: Oct-12-2000
Date Received: Oct-12-2000

Prep Method: EXT_SW8330
Prep Date: Oct-18-2000
Prep Time: 17:08
Prep Chemist: Reynaldo Caraan

Analytical Method: SW8330
Date Analyzed: Oct-31-2000
Time Analyzed 10:02
Analyst: Virginia Markowitz

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
2,4,6-Trinitrotoluene	157	2.6	ug/L		10
2-Amino-4,6-Dinitrotoluene	139	2.6	ug/L		10
4-Amino-2,6-Dinitrotoluene	201	2.6	ug/L		10

Summary of Analytical Results

Client ID AA3004
GPL ID: 10063-005-09-1/2
Matrix: Water
Date Collected: Oct-12-2000
Date Received: Oct-12-2000

Prep Method: EXT_SW8330
Prep Date: Oct-18-2000
Prep Time: 17:08
Prep Chemist: Reynaldo Caraan

Analytical Method: SW8330
Date Analyzed: Oct-21-2000
Time Analyzed 17:55
Analyst: Virginia Markowitz

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	BQL	0.26	ug/L	U	1
1,3-Dinitrobenzene	BQL	0.26	ug/L	U	1
2,4-Dinitrotoluene	BQL	0.26	ug/L	U	1
2,6-Dinitrotoluene	BQL	0.26	ug/L	U	1
HMX	BQL	0.52	ug/L	U	1
Nitrobenzene	BQL	0.26	ug/L	U	1
RDX	BQL	0.519	ug/L	U	1
Tetryl	BQL	0.52	ug/L	U	1
m-Nitrotoluene	BQL	0.52	ug/L	U	1
o-Nitrotoluene	0.599	0.52	ug/L		1
p-Nitrotoluene	BQL	0.519	ug/L	U	1

Summary of Analytical Results

Client ID AA3007
GPL ID: 10063-006-07-1/2
Matrix: Water
Date Collected: Oct-11-2000
Date Received: Oct-12-2000

Prep Method: EXT_SW8330
Prep Date: Oct-18-2000
Prep Time: 17:08
Prep Chemist: Reynaldo Caraan

Analytical Method: SW8330
Date Analyzed: Oct-21-2000
Time Analyzed 23:09
Analyst: Virginia Markowitz

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	BQL	0.26	ug/L	U	1
1,3-Dinitrobenzene	BQL	0.26	ug/L	U	1
2,4,6-Trinitrotoluene	0.451	0.26	ug/L		1
2,4-Dinitrotoluene	0.526	0.26	ug/L		1
2,6-Dinitrotoluene	BQL	0.26	ug/L	U	1
2-Amino-4,6-Dinitrotoluene	0.937	0.26	ug/L		1
4-Amino-2,6-Dinitrotoluene	0.629	0.26	ug/L		1
HMX	BQL	0.52	ug/L	U	1
Nitrobenzene	BQL	0.26	ug/L	U	1
RDX	BQL	0.52	ug/L	U	1
Tetryl	BQL	0.52	ug/L	U	1
m-Nitrotoluene	BQL	0.52	ug/L	U	1
o-Nitrotoluene	BQL	0.52	ug/L	U	1
p-Nitrotoluene	BQL	0.52	ug/L	U	1

Summary of Analytical Results

Client ID AA3008
GPL ID: 10063-007-08-1/2
Matrix: Water
Date Collected: Oct-12-2000
Date Received: Oct-12-2000

Prep Method: EXT_SW8330
Prep Date: Oct-18-2000
Prep Time: 17:08
Prep Chemist: Reynaldo Caraan

Analytical Method: SW8330
Date Analyzed: Oct-21-2000
Time Analyzed 23:37
Analyst: Virginia Markowitz

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	BQL	0.26	ug/L	U	1
1,3-Dinitrobenzene	BQL	0.26	ug/L	U	1
2,4,6-Trinitrotoluene	BQL	0.26	ug/L	U	1
2,4-Dinitrotoluene	30.9	0.26	ug/L		1
2,6-Dinitrotoluene	BQL	0.26	ug/L	U	1
2-Amino-4,6-Dinitrotoluene	BQL	0.26	ug/L	U	1
4-Amino-2,6-Dinitrotoluene	BQL	0.26	ug/L	U	1
HMX	BQL	0.519	ug/L	U	1
Nitrobenzene	BQL	0.26	ug/L	U	1
RDX	BQL	0.519	ug/L	U	1
Tetryl	BQL	0.519	ug/L	U	1
m-Nitrotoluene	7.62	0.519	ug/L		1
o-Nitrotoluene	115	0.519	ug/L		1
p-Nitrotoluene	28.6	0.519	ug/L		1

Summary of Analytical Results

Client ID AB0426
GPL ID: 10063-008-04-1
Matrix: Soil
Date Collected: Oct-12-2000
Date Received: Oct-12-2000

Prep Method: EXT_SW8330
Prep Date: Oct-18-2000
Prep Time: 09:05
Prep Chemist: Shila Soleimani

Analytical Method: SW8330
Date Analyzed: Oct-30-2000
Time Analyzed 19:17
Analyst: Shukla Sarker

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	BQL	100	ug/kg	U	1
1,3-Dinitrobenzene	BQL	100	ug/kg	U	1
2,4,6-Trinitrotoluene	4760	100	ug/kg		1
2,4-Dinitrotoluene	8330	100	ug/kg		1
2,6-Dinitrotoluene	BQL	100	ug/kg	U	1
2-Amino-4,6-Dinitrotoluene	3760	100	ug/kg		1
4-Amino-2,6-Dinitrotoluene	6930	100	ug/kg		1
HMX	BQL	200	ug/kg	U	1
Nitrobenzene	BQL	100	ug/kg	U	1
RDX	BQL	200	ug/kg	U	1
Tetryl	BQL	200	ug/kg	U	1
m-Nitrotoluene	BQL	200	ug/kg	U	1
o-Nitrotoluene	BQL	200	ug/kg	U	1
p-Nitrotoluene	BQL	200	ug/kg	U	1

Summary of Analytical Results

Client ID AB0430
GPL ID: 10063-009-04-1
Matrix: Soil
Date Collected: Oct-12-2000
Date Received: Oct-12-2000

Prep Method: EXT_SW8330
Prep Date: Oct-18-2000
Prep Time: 09:05
Prep Chemist: Shila Soleimani

Analytical Method: SW8330
Date Analyzed: Nov-01-2000
Time Analyzed 15:19
Analyst: Shukla Sarker

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
2,4,6-Trinitrotoluene	38000	1000	ug/kg		10
2,4-Dinitrotoluene	165000	1000	ug/kg		10

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB0430
GPL ID: 10063-009-04-1
Matrix: Soil
Date Collected: Oct-12-2000
Date Received: Oct-12-2000

Prep Method: EXT_SW8330
Prep Date: Oct-18-2000
Prep Time: 09:05
Prep Chemist: Shila Soleimani

Analytical Method: SW8330
Date Analyzed: Oct-30-2000
Time Analyzed 19:46
Analyst: Shukla Sarker

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	BQL	100	ug/kg	U	1
1,3-Dinitrobenzene	BQL	100	ug/kg	U	1
2,6-Dinitrotoluene	BQL	100	ug/kg	U	1
2-Amino-4,6-Dinitrotoluene	BQL	100	ug/kg	U	1
4-Amino-2,6-Dinitrotoluene	BQL	100	ug/kg	U	1
HMX	BQL	200	ug/kg	U	1
Nitrobenzene	BQL	100	ug/kg	U	1
RDX	BQL	200	ug/kg	U	1
Tetryl	BQL	200	ug/kg	U	1
m-Nitrotoluene	4820	200	ug/kg		1
o-Nitrotoluene	2050	200	ug/kg		1
p-Nitrotoluene	BQL	200	ug/kg	U	1

Summary of Analytical Results

Client ID AB0431
GPL ID: 10063-010-04-1
Matrix: Soil
Date Collected: Oct-12-2000
Date Received: Oct-12-2000

Prep Method: EXT_SW8330
Prep Date: Oct-18-2000
Prep Time: 09:05
Prep Chemist: Shila Soleimani

Analytical Method: SW8330
Date Analyzed: Oct-30-2000
Time Analyzed 20:14
Analyst: Shukla Sarker

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	BQL	100	ug/kg	U	1
1,3-Dinitrobenzene	BQL	100	ug/kg	U	1
2,4,6-Trinitrotoluene	1410	100	ug/kg		1
2,4-Dinitrotoluene	BQL	100	ug/kg	U	1
2,6-Dinitrotoluene	BQL	100	ug/kg	U	1
2-Amino-4,6-Dinitrotoluene	2670	100	ug/kg		1
4-Amino-2,6-Dinitrotoluene	784	100	ug/kg		1
HMX	BQL	200	ug/kg	U	1
Nitrobenzene	BQL	100	ug/kg	U	1
RDX	BQL	200	ug/kg	U	1
Tetryl	BQL	200	ug/kg	U	1
m-Nitrotoluene	BQL	200	ug/kg	U	1
o-Nitrotoluene	BQL	200	ug/kg	U	1
p-Nitrotoluene	BQL	200	ug/kg	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB0447
GPL ID: 10063-011-04-1
Matrix: Soil
Date Collected: Oct-12-2000
Date Received: Oct-12-2000

Prep Method: EXT_SW8330
Prep Date: Oct-18-2000
Prep Time: 09:05
Prep Chemist: Shila Soleimani

Analytical Method: SW8330
Date Analyzed: Oct-30-2000
Time Analyzed 20:43
Analyst: Shukla Sarker

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	BQL	95.2	ug/kg	U	1
1,3-Dinitrobenzene	BQL	95.2	ug/kg	U	1
2,4,6-Trinitrotoluene	3450	95.2	ug/kg		1
2,4-Dinitrotoluene	BQL	95.2	ug/kg	U	1
2,6-Dinitrotoluene	BQL	95.2	ug/kg	U	1
2-Amino-4,6-Dinitrotoluene	6900	95.2	ug/kg		1
4-Amino-2,6-Dinitrotoluene	4480	95.2	ug/kg		1
HMX	BQL	190	ug/kg	U	1
Nitrobenzene	BQL	95.2	ug/kg	U	1
RDX	BQL	190	ug/kg	U	1
Tetryl	BQL	190	ug/kg	U	1
m-Nitrotoluene	BQL	190	ug/kg	U	1
o-Nitrotoluene	BQL	190	ug/kg	U	1
p-Nitrotoluene	BQL	190	ug/kg	U	1

Summary of Analytical Results

Client ID AB0475
GPL ID: 10063-014-04-1
Matrix: Soil
Date Collected: Oct-12-2000
Date Received: Oct-12-2000

Prep Method: EXT_SW8330
Prep Date: Oct-18-2000
Prep Time: 09:05
Prep Chemist: Shila Soleimani

Analytical Method: SW8330
Date Analyzed: Oct-30-2000
Time Analyzed 22:08
Analyst: Shukla Sarker

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	BQL	100	ug/kg	U	1
1,3-Dinitrobenzene	BQL	100	ug/kg	U	1
2,4,6-Trinitrotoluene	BQL	100	ug/kg	U	1
2,4-Dinitrotoluene	BQL	100	ug/kg	U	1
2,6-Dinitrotoluene	BQL	100	ug/kg	U	1
2-Amino-4,6-Dinitrotoluene	BQL	100	ug/kg	U	1
4-Amino-2,6-Dinitrotoluene	BQL	100	ug/kg	U	1
HMX	BQL	200	ug/kg	U	1
Nitrobenzene	BQL	100	ug/kg	U	1
RDX	BQL	200	ug/kg	U	1
Tetryl	BQL	200	ug/kg	U	1
m-Nitrotoluene	BQL	200	ug/kg	U	1
o-Nitrotoluene	BQL	200	ug/kg	U	1
p-Nitrotoluene	BQL	200	ug/kg	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB0476
GPL ID: 10063-015-04-1
Matrix: Soil
Date Collected: Oct-12-2000
Date Received: Oct-12-2000

Prep Method: EXT_SW8330
Prep Date: Oct-18-2000
Prep Time: 09:05
Prep Chemist: Shila Soleimani

Analytical Method: SW8330
Date Analyzed: Oct-31-2000
Time Analyzed 00:02
Analyst: Shukla Sarker

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	499	95.2	ug/kg		1
1,3-Dinitrobenzene	BQL	95.2	ug/kg	U	1
2,4-Dinitrotoluene	BQL	95.2	ug/kg	U	1
2,6-Dinitrotoluene	BQL	95.2	ug/kg	U	1
2-Amino-4,6-Dinitrotoluene	6440	95.2	ug/kg		1
4-Amino-2,6-Dinitrotoluene	BQL	95.2	ug/kg	U	1
HMX	BQL	190	ug/kg	U	1
Nitrobenzene	195	95.2	ug/kg		1
RDX	BQL	190	ug/kg	U	1
Tetryl	BQL	190	ug/kg	U	1
m-Nitrotoluene	BQL	190	ug/kg	U	1
o-Nitrotoluene	BQL	190	ug/kg	U	1
p-Nitrotoluene	BQL	190	ug/kg	U	1

Summary of Analytical Results

Client ID AB0476
GPL ID: 10063-015-04-1
Matrix: Soil
Date Collected: Oct-12-2000
Date Received: Oct-12-2000

Prep Method: EXT_SW8330
Prep Date: Oct-18-2000
Prep Time: 09:05
Prep Chemist: Shila Soleimani

Analytical Method: SW8330
Date Analyzed: Nov-08-2000
Time Analyzed 12:28
Analyst: Shukla Sarker

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
2,4,6-Trinitrotoluene	2226000	19000	ug/kg		200

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB0477
GPL ID: 10063-016-04-1
Matrix: Soil
Date Collected: Oct-12-2000
Date Received: Oct-12-2000

Prep Method: EXT_SW8330
Prep Date: Oct-18-2000
Prep Time: 09:05
Prep Chemist: Shila Soleimani

Analytical Method: SW8330
Date Analyzed: Oct-31-2000
Time Analyzed 00:31
Analyst: Shukla Sarker

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	3240	90.9	ug/kg		1
1,3-Dinitrobenzene	BQL	90.9	ug/kg	U	1
2,4-Dinitrotoluene	BQL	90.9	ug/kg	U	1
2,6-Dinitrotoluene	BQL	90.9	ug/kg	U	1
2-Amino-4,6-Dinitrotoluene	6230	90.9	ug/kg		1
4-Amino-2,6-Dinitrotoluene	2600	90.9	ug/kg		1
HMX	BQL	182	ug/kg	U	1
Nitrobenzene	BQL	90.9	ug/kg	U	1
RDX	BQL	182	ug/kg	U	1
Tetryl	BQL	182	ug/kg	U	1
m-Nitrotoluene	BQL	182	ug/kg	U	1
o-Nitrotoluene	BQL	182	ug/kg	U	1
p-Nitrotoluene	BQL	182	ug/kg	U	1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AB0477
GPL ID: 10063-016-04-1
Matrix: Soil
Date Collected: Oct-12-2000
Date Received: Oct-12-2000

Prep Method: EXT_SW8330
Prep Date: Oct-18-2000
Prep Time: 09:05
Prep Chemist: Shila Soleimani

Analytical Method: SW8330
Date Analyzed: Nov-01-2000
Time Analyzed 15:47
Analyst: Shukla Sarker

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
2,4,6-Trinitrotoluene	38700	909	ug/kg		10

Summary of Analytical Results

Client ID AB0478
GPL ID: 10063-017-04-1
Matrix: Soil
Date Collected: Oct-12-2000
Date Received: Oct-12-2000

Prep Method: EXT_SW8330
Prep Date: Oct-18-2000
Prep Time: 09:05
Prep Chemist: Shila Soleimani

Analytical Method: SW8330
Date Analyzed: Oct-31-2000
Time Analyzed 00:59
Analyst: Shukla Sarker

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	283	100	ug/kg		1
1,3-Dinitrobenzene	BQL	100	ug/kg	U	1
2,4-Dinitrotoluene	BQL	100	ug/kg	U	1
2,6-Dinitrotoluene	BQL	100	ug/kg	U	1
2-Amino-4,6-Dinitrotoluene	11400	100	ug/kg		1
4-Amino-2,6-Dinitrotoluene	2450	100	ug/kg		1
HMX	BQL	200	ug/kg	U	1
Nitrobenzene	BQL	100	ug/kg	U	1
RDX	BQL	200	ug/kg	U	1
Tetryl	BQL	200	ug/kg	U	1
m-Nitrotoluene	BQL	200	ug/kg	U	1
o-Nitrotoluene	BQL	200	ug/kg	U	1
p-Nitrotoluene	BQL	200	ug/kg	U	1

Summary of Analytical Results

Client ID AB0478
GPL ID: 10063-017-04-1
Matrix: Soil
Date Collected: Oct-12-2000
Date Received: Oct-12-2000

Prep Method: EXT_SW8330
Prep Date: Oct-18-2000
Prep Time: 09:05
Prep Chemist: Shila Soleimani

Analytical Method: SW8330
Date Analyzed: Nov-01-2000
Time Analyzed 16:38
Analyst: Shukla Sarker

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
2,4,6-Trinitrotoluene	33700	1000	ug/kg		10

Summary of Analytical Results

Client ID AB0479
GPL ID: 10063-018-04-1
Matrix: Soil
Date Collected: Oct-12-2000
Date Received: Oct-12-2000

Prep Method: EXT_SW8330
Prep Date: Oct-18-2000
Prep Time: 09:05
Prep Chemist: Shila Soleimani

Analytical Method: SW8330
Date Analyzed: Oct-31-2000
Time Analyzed 01:28
Analyst: Shukla Sarker

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	BQL	87	ug/kg	U	1
1,3-Dinitrobenzene	BQL	87	ug/kg	U	1
2,4,6-Trinitrotoluene	9910	87	ug/kg		1
2,4-Dinitrotoluene	BQL	87	ug/kg	U	1
2,6-Dinitrotoluene	BQL	87	ug/kg	U	1
2-Amino-4,6-Dinitrotoluene	3020	87	ug/kg		1
4-Amino-2,6-Dinitrotoluene	2200	87	ug/kg		1
HMX	BQL	174	ug/kg	U	1
Nitrobenzene	BQL	87	ug/kg	U	1
RDX	BQL	174	ug/kg	U	1
Tetryl	BQL	174	ug/kg	U	1
m-Nitrotoluene	BQL	174	ug/kg	U	1
o-Nitrotoluene	BQL	174	ug/kg	U	1
p-Nitrotoluene	BQL	174	ug/kg	U	1

2C
WATER EXPLOSIVES SURROGATE RECOVERY

Lab Name: GPL LABORATORIES, LLLP Contract: IT CORPORATION

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

	CLIENT SAMPLE NO.	S1 #	TOT OUT
01	NBLK A	96	0
02	NCS A	91	0
03	AA3004	71	0
04	AA3004 MS	55	0
05	AA3004 MSD	64	0
06	AA3001	22	0
07	AA3007	62	0
08	AA3008	90	0
09	AA3004 DIL		0
10	AA3003	92	0
11	AA3003 DIL		0

			QC LIMITS
S1	=	4-Nitroaniline	(22-100)

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate diluted out

2D
SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: GPL LABORATORIES, LLLP Contract: IT CORPORATION

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Level: (low/med) LOW

	Client SAMPLE NO.	S1 #	TOT OUT
01	NBLK B	75	0
02	NLCS B	88	0
03	AB0426	98	0
04	AB0430	120	0
05	AB0431	77	0
06	AB0447	94	0
07	AB0447 MS	98	0
08	AB0447 MSD	100	0
09	AB0475	90	0
10	AB0476	58	0
11	AB0477	87	0
12	AB0478	50	0
13	AB0479	92	0
14	AB0430 DIL	*	1
15	AB0477 DIL	*	1
16	AB0478 DIL	*	1
17	AB0476 DIL	*	1

			QC LIMITS
S1	=	4-NITROANILINE	(24-140)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogate diluted out

3C

WATER EXPLOSIVES MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: GPL LABORATORIES, LLLP Contract: IT CORPORATIO

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Matrix Spike - EPA Sample No.: AA3004

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
HMX	7.8	0.0	8.1	104	53 - 123
1,3,5-Trinitrobenzene	3.9	0.0	3.8	97	27 - 150
Tetryl	7.8	0.0	4.8	62	32 - 100
2,4,6-Trinitrotoluene	3.9	140	720	14872 *	44 - 150
4-Amino-2,6-Dinitrotoluene	3.9	180	81	0 *	36 - 126
4-Nitrotoluene	7.8	0.0	7.0	90	49 - 123
RDX	7.8	0.0	7.4	95	41 - 144
1,3-Dinitrobenzene	3.9	0.0	3.4	87	52 - 123
Nitrobenzene	3.9	0.0	3.3	85	48 - 111
2-Amino-4,6-Dinitrotoluene	3.9	130	41	0 *	53 - 138
2,4-Dinitrotoluene	7.8	0.0	10	128 *	36 - 106
2-Nitrotoluene	7.8	0.60	6.7	78	39 - 134
3-Nitrotoluene	7.8	0.0	7.0	90	53 - 123

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
HMX	7.8	7.1	91	13	25	53 - 123
1,3,5-Trinitrobenzene	3.9	4.2	108	11	25	27 - 150
Tetryl	7.8	5.5	71	14	25	32 - 100
2,4,6-Trinitrotoluene	3.9	730	15128 *	2	25	44 - 150
4-Amino-2,6-Dinitrotoluene	3.9	83	0 *	0	25	36 - 126
4-Nitrotoluene	7.8	7.1	91	1	25	49 - 123
RDX	7.8	7.8	100	5	25	41 - 144
1,3-Dinitrobenzene	3.9	3.5	90	3	25	52 - 123
Nitrobenzene	3.9	3.3	85	0	25	48 - 111
2-Amino-4,6-Dinitrotoluene	3.9	54	0 *	0	25	53 - 138
2,4-Dinitrotoluene	7.8	5.2	67	63 *	25	36 - 106
2-Nitrotoluene	7.8	6.6	77	1	25	39 - 134

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 1 out of 13 outside limits

Spike Recovery: 7 out of 26 outside limits

COMMENTS:

3C

WATER EXPLOSIVES MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: GPL LABORATORIES, LLLP Contract: IT CORPORATIO

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Matrix Spike - EPA Sample No.: AA3004

3-Nitrotoluene	7.8	7.1	91	1	25	53 - 123

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 0 outside limits

Spike Recovery: 0 out of 0 outside limits

COMMENTS:

3D

SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: GPL LABORATORIES, LLLP Contract: IT CORPORATION

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Matrix Spike - EPA Sample No.: AB0447 Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC LIMITS REC.
HMX	3000	0.0	2800	93	70 - 113
1,3,5-TRINITROBENZENE	1500	0.0	1800	120	20 - 150
TETRYL	3000	0.0	2100	70	20 - 103
2,4,6-TRINITROTOLUENE	1500	3400	5400	133	46 - 150
4-AMINO-2,6-DINITROTOLU	1500	4500	4800	22 *	39 - 136
4-NITROTOLUENE	3000	0.0	2900	97	70 - 114
RDX	3000	0.0	3000	100	70 - 124
1,3-DINITROBENZENE	1500	0.0	1600	107	70 - 127
NITROBENZENE	1500	0.0	1500	100	70 - 120
2-AMINO-4,6-DINITROTOLU	1500	6900	8400	100	43 - 150
2,4-DINITROTOLUENE	3000	0.0	1700	57	56 - 100
2-NITROTOLUENE	3000	0.0	2900	97	70 - 116
3-NITROTOLUENE	3000	0.0	3500	117 *	70 - 109

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
HMX	3000	2800	93	0	25	70 - 113
1,3,5-TRINITROBENZENE	1500	1800	120	0	25	20 - 150
TETRYL	3000	2100	70	0	25	20 - 103
2,4,6-TRINITROTOLUENE	1500	6000	173 *	26 *	25	46 - 150
4-AMINO-2,6-DINITROTOLU	1500	5700	80	120 *	25	39 - 136
4-NITROTOLUENE	3000	2600	87	11	25	70 - 114
RDX	3000	3000	100	0	25	70 - 124
1,3-DINITROBENZENE	1500	1600	107	0	25	70 - 127
NITROBENZENE	1500	1500	100	0	25	70 - 120
2-AMINO-4,6-DINITROTOLU	1500	9500	173 *	53 *	25	43 - 150
2,4-DINITROTOLUENE	3000	2400	80	34 *	25	56 - 100
2-NITROTOLUENE	3000	2800	93	4	25	70 - 116

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 4 out of 13 outside limits

Spike Recovery: 5 out of 26 outside limits

COMMENTS: _____

3D

SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: GPL LABORATORIES, LLLP Contract: IT CORPORATION

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Matrix Spike - EPA Sample No.: AB0447 Level: (low/med) LOW

3-NITROTOLUENE	3000	3300	110*	6	25	70- 109

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 0 outside limits

Spike Recovery: 1 out of 0 outside limits

COMMENTS: _____

3F

SOIL LABORATORY CONTROL SPIKE RECOVERY

Lab Name: GPL Laboratories, LLLP Contract: IT CORPORATION

Lab Code: GPLL Case No. N/A SAS No. N/A SDG No. N/A

EPA Sample No.: NLCS B GP ID: NBLK 7437 MS

COMPOUND	SPIKE ADDED (ug/kg)	LCS CONCENTRATION (ug/kg)	LCS % REC	QC LIMITS
HMX	3000	2846	95	70-114
1,3,5-TNB	1500	1661	111	70-118
TETRYL	3000	1871	62	26-100
TNT	1500	2093	140	70-150
4-AMINO-2,6-DNT	1500	1523	102	60-112
4-NITROTOLUENE	3000	3002	100	70-119
RDX	3000	3011	100	70-118
1,3-DINITROBENZENE	1500	1563	104	70-118
NITROBENZENE	1500	1670	111	70-121
2-AMINO-4,6-DNT	1500	2120	141	69-146
2,4-DNT	3000	2088	70	64-100
2-NITROTOLUENE	3000	3137	105	75-122
3-NITROTOLUENE	3000	3056	102	70-111

* OUTSIDE QC LIMIT

COMMENTS:

FORM III 8330

3F

WATER LABORATORY CONTROL SPIKE RECOVERY

Lab Name: GPL Laboratories, LLLP Contract: IT CORPORATION

Lab Code: GPLL Case No. N/A SAS No. N/A SDG No. N/A

EPA Sample No.: NLCS A GP ID: NBLK-7468 MS

COMPOUND	SPIKE ADDED ug/l	LCS CONCENTRATION ug/l	LCS % REC	QC LIMITS
HMX	7.8	7.0	90	70-127
1,3,5-TNB	3.9	3.9	100	20-150
TETRYL	7.8	5.4	69	20-104
TNT	3.9	5.0	129	70-150
4-AMINO-2,6-DNT	3.9	4.0	104	63-121
4-NITROTOLUENE	7.8	7.1	91	57-139
RDX	7.8	7.2	92	70-124
1,3-DINITROBENZENE	3.9	3.8	98	65-141
NITROBENZENE	3.9	3.7	96	71-134
2-AMINO-4,6-DNT	3.9	5.4	140	43-150
2,4-DNT	7.8	5.2	67	53-101
2-NITROTOLUENE	7.8	7.1	91	63-132
3-NITROTOLUENE	7.8	7.4	95	68-133

* OUTSIDE QC LIMIT

COMMENTS:

FORM III 8330

4B

EXPLOSIVES METHOD BLANK SUMMARY

EPA SAMPLE NO.

NBLK A

Lab Name: GPL LABORATORIES, LLLP Contract: IT CORPORAT

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Lab File ID: LCA2872.D Lab Sample ID: NBLK 7468

Instrument ID: LCA Date Extracted: 10/08/00

Matrix: (soil/water) WATER Date Analyzed: 10/21/00

Level: (low/med) LOW Time Analyzed: 16:58

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	Client Sample NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	NCS A	NBLK 7468 MS	LCA2873.D	10/21/00
02	AA3004	10063-005	LCA2874.D	10/21/00
03	AA3004 MS	10063-005 MS	LCA2879.D	10/21/00
04	AA3004 MSD	10063-005 MSD	LCA2880.D	10/21/00
05	AA3001	10063-003	LCA2883.D	10/21/00
06	AA3007	10063-006	LCA2885.D	10/21/00
07	AA3008	10063-007	LCA2886.D	10/21/00
08	AA3004 DIL	10063-005-10X	LCA3072.D	10/31/00
09	AA3003	10063-004 RI	LCA3374.D	11/14/00
10	AA3003 DIL	10063-004 100X	LCA3375.D	11/14/00

COMMENTS:

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

NBLK B

Lab Name: GPL LABORATORIES, LLLP Contract: IT CORPORAT

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Lab File ID: LCA3043.D Lab Sample ID: NBLK-7437

Instrument ID: LCA Date Extracted: 10/18/00

Matrix: (soil/water) SOIL Date Analyzed: 10/30/00

Level: (low/med) LOW Time Analyzed: 18:20

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	Client SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	NLCS B	NBLK 7437 MS	LCA3044.D	10/30/00
02	AB0426	10063-008	LCA3045.D	10/30/00
03	AB0430	10063-009	LCA3046.D	10/30/00
04	AB0431	10063-010	LCA3047.D	10/30/00
05	AB0447	10063-011	LCA3048.D	10/30/00
06	AB0447 MS	10063-011 MS	LCA3049.D	10/30/00
07	AB0447 MSD	10063-011 MSD	LCA3050.D	10/30/00
08	AB0475	10063-014	LCA3051.D	10/30/00
09	AB0476	10063-015	LCA3055.D	10/31/00
10	AB0477	10063-016	LCA3056.D	10/31/00
11	AB0478	10063-017	LCA3057.D	10/31/00
12	AB0479	10063-018	LCA3058.D	10/31/00
13	AB0430 DIL	10063 009 10X	LCA3096.D	11/01/00
14	AB0477 DIL	10063 016 10X	LCA3097.D	11/01/00
15	AB0478 DIL	10063 017 10X	LCA3098.D	11/01/00
16	AB0476 DIL	10063-015 200X	LCA3217.D	11/08/00

COMMENTS:

GPL LABORATORIES, LLP
ANALYTICAL RESULTS

Project Name : Plumbrook Ordnance Works

Date Printe November 20, 2000

GPL ID	Client ID
10063-008-05-1	AB0426
10063-009-05-1	AB0430
10063-010-05-1	AB0431
10063-011-05-1	AB0447
10063-014-05-1	AB0475
10063-015-05-1	AB0476
10063-016-05-1	AB0477
10063-017-05-1	AB0478
10063-018-05-1	AB0479
10063-003-07-1/1	AA3001
10063-004-07-1/1	AA3003
10063-005-08-1/1	AA3004
10063-006-06-1/1	AA3007
10063-007-07-1/1	AA3008
10063-008-05-1	AB0426
10063-009-05-1	AB0430
10063-010-05-1	AB0431
10063-011-05-1	AB0447
10063-014-05-1	AB0475
10063-015-05-1	AB0476
10063-016-05-1	AB0477
10063-017-05-1	AB0478
10063-018-05-1	AB0479
10063-003-07-1/1	AA3001
10063-004-07-1/1	AA3003
10063-005-08-1/1	AA3004
10063-006-06-1/1	AA3007
10063-007-07-1/1	AA3008
10063-008-05-1	AB0426
10063-009-05-1	AB0430
10063-010-05-1	AB0431
10063-011-05-1	AB0447
10063-014-05-1	AB0475
10063-015-05-1	AB0476
10063-016-05-1	AB0477
10063-017-05-1	AB0478
10063-018-05-1	AB0479
10063-003	AA3001
10063-004	AA3003
10063-005	AA3004
10063-006	AA3007
10063-007	AA3008
10063-008-04-1	AB0426
10063-009-04-1	AB0430
10063-009-04-1	AB0430DL
10063-010-04-1	AB0431
10063-011-04-1	AB0447

GPL LABORATORIES, LLP
ANALYTICAL RESULTS

Project Name : Plumbrook Ordnance Works

Date Printe November 20, 2000

GPL ID	Client ID
10063-014-04-1	AB0475
10063-015-04-1	AB0476
10063-016-04-1	AB0477
10063-017-04-1	AB0478
10063-018-04-1	AB0479
10063-008-01-1/3	AB0426
10063-008-02-2/3 RE	AB0426
10063-009-01-1/3	AB0430
10063-010-02-2/3	AB0431
10063-011-02-2/3	AB0447
10063-014-02-2/3	AB0475
10063-015-01-1/3	AB0476
10063-016-01-1/3	AB0477
10063-016-02-2/3 RE	AB0477
10063-017-01-1/3	AB0478
10063-018-01-1/3	AB0479
10063-001-01-1/2	10112000-TB5
10063-002-01-1/2	10122000-TB2
10063-003-01-1/3	AA3001
10063-003-02-2/3 DL 50X	AA3001
10063-004-01-1/3	AA3003
10063-005-01-1/3	AA3004
10063-006-01-1/3	AA3007
10063-007-01-1/3	AA3008
10063-003-04-1/2	AA3001DL
10063-003-04-1/2	AA3001REDL
10063-003-04-1/2	AA3001DL
10063-003-04-1/2	AA3001REDL
10063-004-04-1/2	AA3003DL
10063-004-04-1/2	AA3003REDL
10063-004-04-1/2	AA3003DL
10063-004-04-1/2	AA3003REDL
10063-005-04-1/2	AA3004
10063-006-04-1/1	AA3007
10063-007-04-1/2	AA3008
10063-008-04-1	AB0426
10063-009-04-1	AB0430
10063-009-04-1	AB0430DL
10063-010-04-1	AB0431
10063-011-04-1	AB0447
10063-014-04-1	AB0475
10063-015-04-1	AB0476
10063-016-04-1	AB0477
10063-017-04-1	AB0478
10063-018-04-1	AB0479
10063-003-08-1/2	AA3001

GPL LABORATORIES, LLP
ANALYTICAL RESULTS

Project Name : Plumbrook Ordnance Works

Date Printe November 20, 2000

GPL ID	Client ID
10063-004-08-1/2	AA3003
10063-004-08-1/2	AA3003
10063-005-09-1/2	AA3004
10063-005-09-1/2	AA3004
10063-006-07-1/2	AA3007
10063-007-08-1/2	AA3008
10063-008-04-1	AB0426
10063-009-04-1	AB0430
10063-009-04-1	AB0430DL
10063-009-04-1	AB0430
10063-009-04-1	AB0430DL
10063-010-04-1	AB0431
10063-011-04-1	AB0447
10063-014-04-1	AB0475
10063-015-04-1	AB0476
10063-015-04-1	AB0476
10063-016-04-1	AB0477
10063-016-04-1	AB0477
10063-017-04-1	AB0478
10063-017-04-1	AB0478
10063-018-04-1	AB0479

GPL LABORATORIES, LLLP

Qualifier Definitions

U = Indicates that the compound was analyzed for but not detected at or above the reporting limit

Organics:

B = Indicates that the analyte was found in the associated blank as well as in the sample

D = Indicates that the analyte was reported from a diluted analysis

E = Indicates that the concentration detected exceeded the calibration range of the instrument

J = Value is less than the reporting limits but greater than the MDL

P = Indicates that there is greater than 25% difference for detected pesticide/Aroclor results between the two GC columns

Metals:

B = Indicates that the reported value was less than the reporting limit but greater than or equal to the IDL/MDL

E = Indicates that reported value is estimated because of the possible presence of interference (i.e., the serial dilution not within control limits)

H = Indicates that the element was found in the associated blank as well as in the sample and the value is greater than or equal to the reporting limit

N = Spiked sample recovery not within control limits

• = Duplicate analysis not within control limits

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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 10122000-GPL

Project Number: 773206
Samples Shipment Date: 12 OCT 2000
Project Name: PLUMBROOK ORDNANCE WOR
ab Destination: GPL Laboratories
Sample Coordinator: Duane Nielsen
Lab Contact: Bill Lock
Turnaround Time:
Project Contact: Kim Napier
Carrier/Waybill No.: Fed Ex/8227 8051 5113

Bill To: Accounts Receivable
312 Directors Drive
Knoxville TN 37923

Report To: Kim Napier
312 Directors Drive
Knoxville TN 37923

Special Instructions: 48 HOUR HOLD TIME ON ENCORES. ACETATE SLEEVES ARE FOR VOC ANALYSIS.

Possible Hazard Indentification:

Non-hazard [ ] Flammable [ ] Skin Irritant [ ] Poison B [ ] Unknown [X]

1. Relinquished By (Signature/Affiliation) Chris Fraley Date: 10/12/00 Time: 19:00
2. Relinquished By (Signature/Affiliation) Date: Time:
3. Relinquished By (Signature/Affiliation) Date: Time:

Sample Disposal:

Return to Client [ ] Disposal by Lab [X] Archive (mos.)

1. Received By (Signature/Affiliation) Date: Time:
2. Received By (Signature/Affiliation) Date: Time:
3. Received By (Signature/Affiliation) [signature] Date: 10/13/00 Time: 10:10 Am

Comments:

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
10112000-TB5	FIELDQC-BW-10112000-TB5-TB	11 OCT 2000	07:00	40 ml GVIAL,SEP	2	HCl<pH 2	TCL Volatiles by SW-846 8260B	N		
10122000-TB2	FIELDQC-BW-10122000-TB2-TB	12 OCT 2000	07:00	40 ml GVIAL,SEP	2	HCl<pH 2	TCL Volatiles by SW-846 8260B	N		
AA3001	PBOW-00-GW-TNTA-GW01-AA3001-(00-00)	11 OCT 2000	19:20	40 mL GVIAL,SEP	3	HCl<pH 2	TCL Volatiles by SW-846 8260B	N		
AA3001	PBOW-00-GW-TNTA-GW01-AA3001-(00-00)	11 OCT 2000	19:20	1 L Amb. Glass	2	None except cool to 4 C	TCL Semivolatiles by SW-846 8270C	N		
AA3001	PBOW-00-GW-TNTA-GW01-AA3001-(00-00)	11 OCT 2000	19:20	1 L Amb. Glass	1	None except cool to 4 C	PCBs by SW-846 8082	N		
AA3001	PBOW-00-GW-TNTA-GW01-AA3001-(00-00)	11 OCT 2000	19:20	1 L HDPE	1	HNO3, pH<2	TAL Metals by SW-846 6010B/7470A in water	N		
AA3001	PBOW-00-GW-TNTA-GW01-AA3001-(00-00)	11 OCT 2000	19:20	1 L Amb. Glass	2	None except cool to 4 C	Nitroaromatics by SW-846 8330	N		

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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 10122000-GPL

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
AA3003	PBOW-00-GW-TNTA-GW03-AA3003-(00-00)	12 OCT 2000	16:10	1 L HDPE	1	HNO3, pH<2	TAL Metals by SW-846 6010B/7470A in water	N		
AA3003	PBOW-00-GW-TNTA-GW03-AA3003-(00-00)	12 OCT 2000	16:10	40 mL GVIAL,SEP	3	HCl<pH 2	TCL Volatiles by SW-846 8260B	N		
AA3003	PBOW-00-GW-TNTA-GW03-AA3003-(00-00)	12 OCT 2000	16:10	1 L Amb. Glass	1	None except cool to 4 C	PCBs by SW-846 8082	N		
AA3003	PBOW-00-GW-TNTA-GW03-AA3003-(00-00)	12 OCT 2000	16:10	1 L Amb. Glass	2	None except cool to 4 C	Nitroaromatics by SW-846 8330	N		
AA3003	PBOW-00-GW-TNTA-GW03-AA3003-(00-00)	12 OCT 2000	16:10	1 L Amb. Glass	2	None except cool to 4 C	TCL Semivolatiles by SW-846 8270C	N		
AA3004	PBOW-00-GW-TNTA-GW04-AA3004-(00-00)	12 OCT 2000	14:45	40 mL GVIAL,SEP	3	HCl<pH 2	TCL Volatiles by SW-846 8260B	N		
AA3004	PBOW-00-GW-TNTA-GW04-AA3004-(00-00)	12 OCT 2000	14:45	1 L Amb. Glass	2	None except cool to 4 C	TCL Semivolatiles by SW-846 8270C	N		
AA3004	PBOW-00-GW-TNTA-GW04-AA3004-(00-00)	12 OCT 2000	14:45	1 L Amb. Glass	2	None except cool to 4 C	PCBs by SW-846 8082	N		
AA3004	PBOW-00-GW-TNTA-GW04-AA3004-(00-00)	12 OCT 2000	14:45	1 L HDPE	1	HNO3, pH<2	TAL Metals by SW-846 6010B/7470A in water	N		
AA3004	PBOW-00-GW-TNTA-GW04-AA3004-(00-00)	12 OCT 2000	14:45	1 L Amb. Glass	2	None except cool to 4 C	Nitroaromatics by SW-846 8330	N		
AA3007	PBOW-00-GW-TNTA-GW07-AA3007-(00-00)	11 OCT 2000	17:45	1 L HDPE	1	HNO3, pH<2	TAL Metals by SW-846 6010B/7470A in water	N		
AA3007	PBOW-00-GW-TNTA-GW07-AA3007-(00-00)	11 OCT 2000	17:45	1 L Amb. Glass	1	None except cool to 4 C	PCBs by SW-846 8082	N		
AA3007	PBOW-00-GW-TNTA-GW07-AA3007-(00-00)	11 OCT 2000	17:45	1 L Amb. Glass	2	None except cool to 4 C	Nitroaromatics by SW-846 8330	N		
AA3007	PBOW-00-GW-TNTA-GW07-AA3007-(00-00)	11 OCT 2000	17:45	1 L Amb. Glass	1	None except cool to 4 C	TCL Semivolatiles by SW-846 8270C	N		
AA3007	PBOW-00-GW-TNTA-GW07-AA3007-(00-00)	11 OCT 2000	17:45	40 mL GVIAL,SEP	3	HCl<pH 2	TCL Volatiles by SW-846 8260B	N		
AA3008	PBOW-00-GW-TNTA-GW08-AA3008-(00-00)	12 OCT 2000	18:15	40 mL GVIAL,SEP	3	HCl<pH 2	TCL Volatiles by SW-846 8260B	N		
AA3008	PBOW-00-GW-TNTA-GW08-AA3008-(00-00)	12 OCT 2000	18:15	1 L HDPE	1	HNO3, pH<2	TAL Metals by SW-846 6010B/7470A in water	N		
AA3008	PBOW-00-GW-TNTA-GW08-AA3008-(00-00)	12 OCT 2000	18:15	1 L Amb. Glass	1	None except cool to 4 C	PCBs by SW-846 8082	N		
AA3008	PBOW-00-GW-TNTA-GW08-AA3008-(00-00)	12 OCT 2000	18:15	1 L Amb. Glass	2	None except cool to 4 C	Nitroaromatics by SW-846 8330	N		
AA3008	PBOW-00-GW-TNTA-GW08-AA3008-(00-00)	12 OCT 2000	18:15	1 L Amb. Glass	2	None except cool to 4 C	TCL Semivolatiles by SW-846 8270C	N		
AB0426	PBOW-00-SO-TNTC-SO001-AB0426-(00-01)	12 OCT 2000	10:35	5 oz ENCORE	3	None except cool to 4 C	TCL Volatiles by SW-846 8260B	N		
AB0426	PBOW-00-SO-TNTC-SO001-AB0426-(00-01)	12 OCT 2000	10:35	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by SW-846 8330, TAL Metals by SW-846 6010B/7471A in soil	N		
AB0426	PBOW-00-SO-TNTC-SO001-AB0426-(00-01)	12 OCT 2000	10:35	8 oz CWM	1	None except cool to 4 C	PCBs by SW-846 8082, TCL Semivolatiles by SW-846 8270C	N		
AB0430	PBOW-00-SO-TNTC-SO066-AB0430-(03-04)	12 OCT 2000	11:45	5 oz ENCORE	3	None except cool to 4 C	TCL Volatiles by SW-846 8260B	N		
AB0430	PBOW-00-SO-TNTC-SO066-AB0430-(03-04)	12 OCT 2000	11:45	8 oz CWM	1	None except cool to 4 C	PCBs by SW-846 8082, TCL Semivolatiles by SW-846 8270C	N		
AB0430	PBOW-00-SO-TNTC-SO066-AB0430-(03-04)	12 OCT 2000	11:45	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by SW-846 8330, TAL Metals by SW-846 6010B/7471A in soil	N		
AB0431	PBOW-00-SO-TNTC-SO074-AB0431-(03-04)	12 OCT 2000	17:20	5 oz ENCORE	3	None except cool to 4 C	TCL Volatiles by SW-846 8260B	N		
AB0431	PBOW-00-SO-TNTC-SO074-AB0431-(03-04)	12 OCT 2000	17:20	8 oz CWM	1	None except cool to 4 C	PCBs by SW-846 8082, TCL Semivolatiles by SW-846 8270C	N		
AB0431	PBOW-00-SO-TNTC-SO074-AB0431-(03-04)	12 OCT 2000	17:20	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by SW-846 8330, TAL	N		

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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 10122000-GPL

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
							Metals by SW-846 6010B/7471A in soil			
AB0447	PBOW-00-SO-TNTC-SO206-AB0447-(01-02)	12 OCT 2000	15:05	5 oz ENCORE	3	None except cool to 4 C	TCL Volatiles by SW-846 8260B	N		
AB0447	PBOW-00-SO-TNTC-SO206-AB0447-(01-02)	12 OCT 2000	15:05	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by SW-846 8330, TAL Metals by SW-846 6010B/7471A in soil	N		
AB0447	PBOW-00-SO-TNTC-SO206-AB0447-(01-02)	12 OCT 2000	15:05	8 oz CWM	1	None except cool to 4 C	PCBs by SW-846 8082, TCL Semivolatiles by SW-846 8270C	N		
AB0447-MS	PBOW-00-SO-TNTC-SO206-AB0447-MS-(01-02)	12 OCT 2000	15:05	5 oz ENCORE	3	None except cool to 4 C	TCL Volatiles by SW-846 8260B	N		
AB0447-MS	PBOW-00-SO-TNTC-SO206-AB0447-MS-(01-02)	12 OCT 2000	15:05	8 oz CWM	1	None except cool to 4 C	PCBs by SW-846 8082, TCL Semivolatiles by SW-846 8270C	N		
AB0447-MS	PBOW-00-SO-TNTC-SO206-AB0447-MS-(01-02)	12 OCT 2000	15:05	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by SW-846 8330, TAL Metals by SW-846 6010B/7471A in soil	N		
AB0447-MSD	PBOW-00-SO-TNTC-SO206-AB0447-MSD-(01-02)	12 OCT 2000	15:05	5 oz ENCORE	3	None except cool to 4 C	TCL Volatiles by SW-846 8260B	N		
AB0447-MSD	PBOW-00-SO-TNTC-SO206-AB0447-MSD-(01-02)	12 OCT 2000	15:05	8 oz CWM	1	None except cool to 4 C	PCBs by SW-846 8082, TCL Semivolatiles by SW-846 8270C	N		
AB0447-MSD	PBOW-00-SO-TNTC-SO206-AB0447-MSD-(01-02)	12 OCT 2000	15:05	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by SW-846 8330, TAL Metals by SW-846 6010B/7471A in soil	N		
AB0475	PBOW-SO-TNTC-SO065-AB0475-(03-04)	12 OCT 2000	11:30	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by SW-846 8330, PCBs by SW-846 8082	N		
AB0475	PBOW-SO-TNTC-SO065-AB0475-(03-04)	12 OCT 2000	11:30	8 oz CWM	1	None except cool to 4 C	TAL Metals by SW-846 6010B/7471A in soil, TCL Semivolatiles by SW-846 8270C	N		
AB0475	PBOW-SO-TNTC-SO065-AB0475-(03-04)	12 OCT 2000	11:30	5 oz ENCORE	3	None except cool to 4 C	TCL Volatiles by SW-846 8260B	N		
AB0476	PBOW-SO-TNTC-SO100-AB0476-(02-03)	12 OCT 2000	16:00	5 oz ENCORE	3	None except cool to 4 C	TCL Volatiles by SW-846 8260B	N		
AB0476	PBOW-SO-TNTC-SO100-AB0476-(02-03)	12 OCT 2000	16:00	8 oz CWM	1	None except cool to 4 C	TAL Metals by SW-846 6010B/7471A in soil, TCL Semivolatiles by SW-846 8270C	N		
AB0476	PBOW-SO-TNTC-SO100-AB0476-(02-03)	12 OCT 2000	16:00	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by SW-846 8330, PCBs by SW-846 8082	N		
AB0477	PBOW-SO-TNTC-SO320-AB0477-(02-03)	12 OCT 2000	10:00	5 oz ENCORE	3	None except cool to 4 C	TCL Volatiles by SW-846 8260B	N		
AB0477	PBOW-SO-TNTC-SO320-AB0477-(02-03)	12 OCT 2000	10:00	8 oz CWM	1	None except cool to 4 C	TAL Metals by SW-846 6010B/7471A in soil, TCL Semivolatiles by SW-846 8270C	N		
AB0477	PBOW-SO-TNTC-SO320-AB0477-(02-03)	12 OCT 2000	10:00	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by SW-846 8330, PCBs by SW-846 8082	N		
AB0478	PBOW-SO-TNTC-SO325-AB0478-(01-02)	12 OCT 2000	08:40	5 oz ENCORE	3	None except cool to 4 C	TCL Volatiles by SW-846 8260B	N		
AB0478	PBOW-SO-TNTC-SO325-AB0478-(01-02)	12 OCT 2000	08:40	8 oz CWM	1	None except cool to 4 C	TAL Metals by SW-846 6010B/7471A in soil, TCL Semivolatiles by SW-846 8270C	N		
AB0478	PBOW-SO-TNTC-SO325-AB0478-(01-02)	12 OCT 2000	08:40	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by SW-846 8330, PCBs by SW-846 8082	N		
AB0479	PBOW-SO-TNTC-SO327-AB0479-(02-03)	12 OCT 2000	09:35	5 oz ENCORE	3	None except cool to 4 C	TCL Volatiles by SW-846 8260B	N		
AB0479	PBOW-SO-TNTC-SO327-AB0479-(02-03)	12 OCT 2000	09:35	8 oz CWM	1	None except cool to 4 C	TAL Metals by SW-846 6010B/7471A in soil, TCL Semivolatiles by SW-846 8270C	N		
AB0479	PBOW-SO-TNTC-SO327-AB0479-(02-03)	12 OCT 2000	09:35	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by SW-846 8330, PCBs by SW-846 8082	N		

Sample Preservation Check Documentation Form

WORK ORDER: 10063

Parameter:	Metals	Phenol	TPH O&G	Classical Parameters	Cyanide	Sulfide	Radiology	
Preservative:	HNO3	H2SO4	H2SO4	H2SO4	NaOH	NaOH	H2SO4	Other Preservations
pH Value	<2	<2	<2	<2	>12	>9	<2	
CLIENT I.D.								
AA3001	2							
AA3003	2							
AA3004	2							
AA3007	2							
AA3008	2							

10/16/00

Sample Preservation Check Performed By: [signature] Date: 10/16/00

0 0135

GPL Laboratories, LLLP

Figure 1
SAMPLE RECEIPT CHECKLIST

W.O. No: 10063 Carrier Name: Fed Ex

Client Name: IT Corporation Prepared (Logged In) By: SL 110/16/00 (Initials Date)

Date Received: 10/13/00 Project:

Time Received: 10:10 AM Site:

Received By: SL VOA Holding Blank I.D. No:

	YES	NO
Airbill/Manifest Present?	✓	
No. 7227 8051 5113		
Shipping Container in Good Condition?	✓	
Custody Seals Present on Shipping Container?	✓	
Condition: Broken ____		
Intact-not dated or signed ____		
Intact-dated and signed ✓		
Usage of Tamper Evident Type	✓	
Chain-of-Custody Present?	✓	
Chain-of-Custody Agrees with Sample Labels?	✓	
Chain-of-Custody Signed?	✓	
Packing Present in Shipping Container?	✓	
Type of Packing Vermiculite		
Custody seals on Sample Bottles?		✓
Condition: Good ____ Broken ____		
Total Number of Sample Bottles 17 30 Carbons 114		
Total Number of Samples 17		
Samples Intact?	✓	
Sufficient Sample Volume for Indicated Test?	✓	

	YES	NO
Trip Blanks: No. of Sets 2	✓	
Field Blanks: No. of Sets ____		✓
Equip. Blank: No. of Sets ____		✓
Field Duplicate: No. of Sets ____		✓
MS/MSD: No of Sets 1	✓	
VOA Vials Have Zero Headspace?	✓	
Preservatives Added to Sample?	✓	
pH Check Required?	✓	
Performed By? ____		
Ice Present in Shipping Container?	✓	

Container #	Temp.	Container #	Temp.
#1	3.0°C		
#2	4.0°C		
#3	4.0°C		
#4	3.0°C		
#5	3.0°C		

Project Manager Contacted?
Name: Bill Cook
Date Contacted: 10/13/00

Any NO response must be detailed in the comments section below. If items are not applicable to particular samples or contracts, they should be marked N/A/

COMMENTS:

Checklist Completed By: SL

Date: 10/13/00

SOP No: F.2V10

1/24

Analytical Report For 10121

for

IT Corporation

Project Manager: Maureen McMyler

Project Name : Plumbrook Ordnance Works

November 22, 2000

GPL

Laboratories

Reviewed by,
Project Manager

Approved by,
Laboratory Director

202 Perry Parkway Gaithersburg, MD 20877 Phone (301) 926-6802 Fax: (301) 840-1209
www.gplab.com

GPL

Laboratories

CASE NARRATIVE

CLIENT: IT CORPORATION
PROJECT/SITE: PLUMBROOK ORDNANCE WORKS
WORK ORDER(S): 10121
REVIEW DATE: 11/22/00

The Case Narrative, Chain of Custody, Sample Receipt Checklist, and the cover page of the Analytical Report, are integral parts of GPL Laboratories' report package. If you did not receive all of these documents, please contact GPL immediately.

Sample Receipt

Three water samples were received on 10/19/2000. The samples were delivered by Fed Ex. The samples were received intact. Sample receipt conditions and temperatures are documented on the Sample Receipt Checklist.

Sample Analysis

Samples were prepared and analyzed by GPL using the analytical methodologies indicated on the Analytical Report of Analysis.

Volatile Analysis

1. Three water samples were analyzed for volatile organic using 8260B methodologies.

2. Percent surrogate recoveries of samples AA9001, 10182000, and AA2016 were outside established QC limits in the initial analysis. Internal standard recoveries of sample AA9001 were outside QC limits as well. Matrix interference on sample AA9001 affected surrogate and internal standard recoveries during analysis. All samples were reanalyzed within holding time.

3. The matrix spike and matrix spike duplicate analyses were shared with work order 10155. Percent recovery of trichloroethene was outside QC limits in the MS analysis. Percent RPD of TCE was outside QC limit as well.

4. Three laboratory control sample (LCS) reports were submitted with this package.

5. The lowest calibration level reported for methylene chloride, acetone, toluene, and bromoform in the initial calibration curve report, 86_25W15.M, was2 ug/L.

6. The lowest calibration level reported for methylene chloride, acetone, and 2-hexanone in the initial calibration curve report, 8625BW23.M.

Semivolatile Analysis

1. Two water samples were extracted using method 3520C. These samples were analyzed for semivolatile organic compounds using USEPA method 8270C.

2. QC was shared with work order #10052. 2,4-Dinitrotoluene was not recovered due to high level of the target in the background sample. Pentachlorophenol was also outside of QC limits. A laboratory control sample was also performed with the batch.

GPL

Laboratories

CASE NARRATIVE

CLIENT: IT CORPORATION
PROJECT/SITE: PLUMBROOK ORDNANCE WORKS
WORK ORDER(S): 10121
REVIEW DATE: 11/22/00

PCBs

1. Two water samples were extracted and analyzed for PCB compounds using method 8082.

2. Matrix spike and MSD analysis was shared with WO# 10052 sample AB3005. Laboratory Control Sample was analyzed with the sample.

3. Surrogate TCX was outside QC limits on RTX-CLP2 for BKS7662 and AA2016. Surrogate DCB was outside QC limits on RTX-CLP for BLK7662, BKS7662 and AA2016.

4. Concentrations reported on Form I are the higher values of results generated by two columns. However, the analyst based on the evaluation of quality control parameters determines the most reliable results. Flagged concentrations (*) on Form I indicate that reported results are the lower values.

5. Due to software limitations, some forms were corrected manually.

Explosives

1. Two water samples were extracted and analyzed for explosive compounds using SW846 method 8330.

2. Matrix spike and matrix spike duplicate analyses were shared with GPL work-order 10144. All recoveries were within control limits.

3. A laboratory control sample was extracted and analyzed along with the sample batch. All target analytes were within control limits.

4. Explosive compounds 2,4-DNT and 2,6-DNT co-elute on the primary column and the confirmation column. The mixture of 2,4-DNT and 2,6-DNT in the LCS and MS/MSD samples is quantitated and reported as 2,4-DNT. A peak detected in the retention time window of 2,4-DNT and 2,6-DNT on both columns will be reported as an isomeric pair in samples under the results for 2,4-DNT.

5. Manual integration was performed on some data files, when automatic integration provided by the software was inappropriate. Some forms were "hand" corrected due to software limitations.

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Laboratories

CASE NARRATIVE

CLIENT: IT CORPORATION
PROJECT/SITE: PLUMBROOK ORDNANCE WORKS
WORK ORDER(S): 10121
REVIEW DATE: 11/22/00

Metals

1. Two water samples were analyzed for HSL metals by EPA SW846 methodologies.

2. A matrix spike, duplicate, and serial dilution were performed on the batch sample 0010119-02 for all required ICP analytes. They were within the control limits.

3. A matrix spike and duplicate were performed on the batch sample 0010134-01 for mercury. They were within the control limits.

4. Calibration standards are verified against independent check standards purchased from a commercial vendor of environmental standards.

5. All GPL QA/QC criteria were met.

Project Manager

Lab Director

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AA9001
GPL ID: 10121-001-11-1
Matrix: Water
Date Collected: Oct-18-2000
Date Received: Oct-19-2000

Prep Method: SW3010A
Prep Date: Oct-30-2000
Prep Time: 12:08
Prep Chemist: Rekha Patel

Analytical Method: SW6010B
Date Analyzed: Nov-01-2000
Time Analyzed 22:44
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	37000	200	ug/L		1
Antimony	6.22	6	ug/L		1
Arsenic	29.7	5	ug/L		1
Barium	476	5	ug/L		1
Beryllium	2.44	1	ug/L		1
Cadmium	2.62	3	ug/L	B	1
Calcium	94900	500	ug/L		1
Chromium	74.9	5	ug/L		1
Cobalt	26.9	5	ug/L		1
Copper	246	5	ug/L		1
Iron	124000	100	ug/L		1
Lead	1160	3	ug/L		1
Magnesium	19600	250	ug/L		1
Manganese	2860	5	ug/L		1
Nickel	150	5	ug/L		1
Potassium	17700	250	ug/L		1
Selenium	BQL	5	ug/L	U	1
Silver	0.846	3	ug/L	B	1
Sodium	43800	1000	ug/L		1
Thallium	BQL	10	ug/L	U	1
Vanadium	80.3	5	ug/L		1
Zinc	1320	15	ug/L		1

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID AA2016
GPL ID: 10121-003-10-1
Matrix: Water
Date Collected: Oct-18-2000
Date Received: Oct-19-2000

Prep Method: SW3010A
Prep Date: Oct-30-2000
Prep Time: 12:08
Prep Chemist: Rekha Patel

Analytical Method: SW6010B
Date Analyzed: Nov-01-2000
Time Analyzed 22:51
Analyst: Simina Lal

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Aluminum	892	200	ug/L		1
Antimony	BQL	6	ug/L	U	1
Arsenic	3.69	5	ug/L	B	1
Barium	42.4	5	ug/L		1
Beryllium	0.123	1	ug/L	B	1
Cadmium	BQL	3	ug/L	U	1
Calcium	64600	500	ug/L		1
Chromium	2.72	5	ug/L	B	1
Cobalt	1.57	5	ug/L	B	1
Copper	8.93	5	ug/L		1
Iron	1330	100	ug/L		1
Lead	BQL	3	ug/L	U	1
Magnesium	20600	250	ug/L		1
Manganese	57.7	5	ug/L		1
Nickel	6.76	5	ug/L		1
Potassium	3720	250	ug/L		1
Selenium	BQL	5	ug/L	U	1
Silver	1.35	3	ug/L	B	1
Sodium	22700	1000	ug/L		1
Thallium	BQL	10	ug/L	U	1
Vanadium	3.31	5	ug/L	B	1
Zinc	13.3	15	ug/L	B	1

Summary of Analytical Results

Client ID AA9001
GPL ID: 10121-001-11-1
Matrix: Water
Date Collected: Oct-18-2000
Date Received: Oct-19-2000

Prep Method: SW7470A_DIG
Prep Date: Oct-27-2000
Prep Time: 13:00
Prep Chemist: Kelvin Choi

Analytical Method: SW7470A
Date Analyzed: Oct-30-2000
Time Analyzed 11:17
Analyst: Kelvin Choi

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	1.72	0.2	ug/L		1

Summary of Analytical Results

Client ID AA2016
GPL ID: 10121-003-10-1
Matrix: Water
Date Collected: Oct-18-2000
Date Received: Oct-19-2000

Prep Method: SW7470A_DIG
Prep Date: Oct-27-2000
Prep Time: 13:00
Prep Chemist: Kelvin Choi

Analytical Method: SW7470A
Date Analyzed: Oct-30-2000
Time Analyzed 11:20
Analyst: Kelvin Choi

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Mercury	BQL	0.2	ug/L	U	1

TOTAL METALS

-3-

BLANKS

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 10121

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C		M
Aluminum	23.1	U	23.1	U	23.1	U	23.1	U	23.100	U		P
Antimony	3.7	U	3.7	U	3.7	U	3.7	U	3.700	U		P
Arsenic	3.2	U	3.2	U	3.4	B	4.0	B	3.200	U		P
Barium	0.6	U	0.6	U	0.6	U	0.6	U	0.600	U		P
Beryllium	0.1	U	0.1	U	0.1	U	0.1	U	0.100	U		P
Cadmium	0.4	U	0.4	U	0.4	U	0.4	U	0.400	U		P
Calcium	104.0	U	104.0	U	104.0	U	104.0	U	104.000	U		P
Chromium	0.8	U	0.8	U	0.8	U	0.8	U	0.800	U		P
Cobalt	0.9	U	0.9	U	0.9	U	0.9	U	0.900	U		P
Copper	1.2	U	1.2	U	1.2	U	1.5	B	1.636	B		P
Iron	17.7	B	15.0	U	16.6	B	28.1	B	20.597	B		P
Lead	1.5	U	1.5	U	1.5	U	1.5	U	1.500	U		P
Magnesium	22.4	U	22.4	U	25.1	B	31.9	B	22.400	U		P
Manganese	0.4	U	0.4	U	0.4	U	0.4	U	0.400	U		P
Mercury	0.1	U	0.1	U	0.1	U	0.1	U	0.100	U		CV
Nickel	2.0	U	2.0	U	2.0	U	2.0	U	2.000	U		P
Potassium	9.1	U	13.5	B	9.1	U	23.5	B	44.434	B		P
Selenium	2.3	U	2.3	U	2.3	U	2.3	U	2.300	U		P
Silver	0.7	U	0.7	U	0.7	U	1.3	B	0.700	U		P
Sodium	198.0	U	233.0	B	198.0	U	497.8	B	421.014	B		P
Thallium	5.5	U	5.5	U	5.5	U	5.5	U	5.500	U		P
Vanadium	0.9	U	0.9	U	0.9	U	1.1	B	0.900	U		P
Zinc	4.0	U	4.0	U	4.0	U	4.0	U	4.000	U		P

0 5009

TOTAL METALS

-3-

BLANKS

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 10121

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Aluminum			23.1	U							P
Antimony			3.7	U							P
Arsenic			4.6	B							P
Barium			0.6	U							P
Beryllium			0.1	U							P
Cadmium			0.4	U							P
Calcium			104.0	U							P
Chromium			0.8	U							P
Cobalt			0.9	U							P
Copper			1.2	U							P
Iron			17.7	B							P
Lead			1.5	U							P
Magnesium			32.1	B							P
Manganese			0.4	U							P
Mercury			0.1	U	0.1	U	0.1	U			CV
Nickel			2.0	U							P
Potassium			16.4	B							P
Selenium			2.3	U							P
Silver			0.9	B							P
Sodium			327.0	B							P
Thallium			5.5	U							P
Vanadium			0.9	U							P
Zinc			4.0	U							P

0 5010

TOTAL METALS
-5A-
SPIKE SAMPLE RECOVERY

SAMPLE NO.

0010134-01S

Contract:

Lab Code: Case No.: SAS SDG NO.: 10121

Matrix (soil/water): WATER Level (low/med): LOW

% Solids for Sample: 0.0

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

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Mercury	75 - 125	1.0700		0.1000	U	1.00	107.0		CV

Comments:

0 5012

GPL Laboratories, LLLP

TOTAL METALS
-5A-
SPIKE SAMPLE RECOVERY

SAMPLE NO.

10119-002-08-1S

Contract:

Lab Code: Case No.: SAS SDG NO.: 10121

Matrix (soil/water): WATER Level (low/med): LOW

% Solids for Sample: 0.0

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

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum	75 - 125	3070.9985		597.3563		2000.00	123.7		P
Antimony	75 - 125	107.1280		3.7000	U	100.00	107.1		P
Arsenic	75 - 125	44.4864		3.9541	B	40.00	101.3		P
Barium	75 - 125	2099.7886		72.3298		2000.00	101.4		P
Beryllium	75 - 125	51.6706		0.1000	U	50.00	103.3		P
Cadmium	75 - 125	51.3840		0.6110	B	50.00	101.5		P
Calcium		134873.8750		130918.5156		5000.00	79.1		P
Chromium	75 - 125	291.2365		82.2990		200.00	104.5		P
Cobalt	75 - 125	498.8278		1.1865	B	500.00	99.5		P
Copper	75 - 125	268.6828		7.6090		250.00	104.4		P
Iron	75 - 125	1595.1356		436.3322		1000.00	115.9		P
Lead	75 - 125	21.0245		1.5000	U	20.00	105.1		P
Magnesium		38782.5625		33989.3320		5000.00	95.9		P
Manganese	75 - 125	526.8827		14.9065		500.00	102.4		P
Nickel	75 - 125	566.2694		65.9392		500.00	100.1		P
Potassium		31347.5078		30318.7227		1000.00	102.9		P
Selenium	75 - 125	64.5286		4.0134	B	60.00	100.9		P
Silver	75 - 125	54.7841		0.8275	B	50.00	107.9		P
Sodium		51334.8203		46285.4297		5000.00	101.0		P
Thallium	75 - 125	51.6281		5.5000	U	50.00	103.3		P
Vanadium	75 - 125	515.9357		2.0631	B	500.00	102.8		P
Zinc	75 - 125	513.0139		14.2654	B	500.00	99.7		P

Comments:

TOTAL METALS

-6-

DUPLICATES

SAMPLE NO.

0010134-01D

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 10121

Matrix (soil/water): WATER Level (low/med): LOW

% Solids for Sample: 0.0 % Solids for Duplicate:

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

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Mercury		0.1000	U	0.1000	U			CV

0 5014

TOTAL METALS

-6-

DUPLICATES

SAMPLE NO.

10119-002-08-1D

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 10121

Matrix (soil/water): WATER Level (low/med): LOW

% Solids for Sample: 0.0 % Solids for Duplicate:

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

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum	200.0	597.3563		664.5092		10.6		P
Antimony		3.7000	U	3.7000	U			P
Arsenic		3.9541	B	3.2000	U	200.0		P
Barium		72.3298		71.4273		1.3		P
Beryllium		0.1000	U	0.1000	U			P
Cadmium		0.6110	B	0.4000	U	200.0		P
Calcium		130918.5156		130222.0469		0.5		P
Chromium		82.2990		82.2398		0.1		P
Cobalt		1.1865	B	0.9000	U	200.0		P
Copper	5.0	7.6090		7.2972		4.2		P
Iron	100.0	436.3322		504.1923		14.4		P
Lead		1.5000	U	1.5000	U			P
Magnesium		33989.3320		33685.5742		0.9		P
Manganese	5.0	14.9065		15.1927		1.9		P
Nickel		65.9392		64.0269		2.9		P
Potassium		30318.7227		30198.4082		0.4		P
Selenium		4.0134	B	3.4903	B	13.9		P
Silver		0.8275	B	0.7000	U	200.0		P
Sodium		46285.4297		45824.1719		1.0		P
Thallium		5.5000	U	5.5000	U			P
Vanadium		2.0631	B	2.0091	B	2.7		P
Zinc		14.2654	B	14.1894	B	0.5		P

0 5015

TOTAL METALS
-7-
LABORATORY CONTROL SAMPLE

Contract:

Lab Code: Case No.: SAS No.: SDG NO.: 10121

Solid LCS Source:

Aqueous LCS Source: HIGH PURITY

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Aluminum	2000.0	1946.30	97.3						
Antimony	100.0	97.46	97.5						
Arsenic	40.0	41.40	103.5						
Barium	2000.0	1894.70	94.7						
Beryllium	50.0	47.99	96.0						
Cadmium	50.0	48.69	97.4						
Calcium	5000.0	4915.15	98.3						
Chromium	200.0	193.70	96.8						
Cobalt	500.0	475.41	95.1						
Copper	250.0	243.18	97.3						
Iron	1000.0	959.71	96.0						
Lead	20.0	19.26	96.3						
Magnesium	5000.0	4767.08	95.3						
Manganese	500.0	479.96	96.0						
Mercury	1.0	1.06	106.0						
Nickel	500.0	478.51	95.7						
Potassium	1000.0	1062.28	106.2						
Selenium	60.0	57.95	96.6						
Silver	50.0	49.69	99.4						
Sodium	5000.0	5301.79	106.0						
Thallium	50.0	49.68	99.4						
Vanadium	500.0	481.47	96.3						
Zinc	500.0	484.82	97.0						

0 5016

Summary of Analytical Results

Client ID AA9001
GPL ID: 10121-001-09-1/2
Matrix: Water
Date Collected: Oct-18-2000
Date Received: Oct-19-2000

Prep Method: SW3520C
Prep Date: Oct-25-2000
Prep Time: 00:00
Prep Chemist: Veena Telhan

Analytical Method: SW8082
Date Analyzed: Oct-30-2000
Time Analyzed 09:39
Analyst: Philipos Yosief

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	1.04	ug/L	U	1
PCB-1221	BQL	1.04	ug/L	U	1
PCB-1232	BQL	1.04	ug/L	U	1
PCB-1242	BQL	1.04	ug/L	U	1
PCB-1248	BQL	1.04	ug/L	U	1
PCB-1254	BQL	1.04	ug/L	U	1
PCB-1260	BQL	2.08	ug/L	U	1

Summary of Analytical Results

Client ID AA2016
GPL ID: 10121-003-08-1/2
Matrix: Water
Date Collected: Oct-18-2000
Date Received: Oct-19-2000

Prep Method: SW3520C
Prep Date: Oct-25-2000
Prep Time: 00:00
Prep Chemist: Veena Telhan

Analytical Method: SW8082
Date Analyzed: Oct-30-2000
Time Analyzed 10:06
Analyst: Philipos Yosief

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
PCB-1016	BQL	1.04	ug/L	U	1
PCB-1221	BQL	1.04	ug/L	U	1
PCB-1232	BQL	1.04	ug/L	U	1
PCB-1242	BQL	1.04	ug/L	U	1
PCB-1248	BQL	1.04	ug/L	U	1
PCB-1254	BQL	1.04	ug/L	U	1
PCB-1260	BQL	2.08	ug/L	U	1

2E
WATER PESTICIDE SURROGATE RECOVERY

Lab Name: GPL LABORATORIES, LLLP Project: IT CORPORATIO

Lab Code: GPLL WO No.: 10121 SAS No.: N/A SDG No.: N/A

GC Column (1) : RTx-CLP ID: 0.32 (mm) GC Column (2) : RTx-CLP2 ID: 0.32 (mm)

	CLIENT SAMPLE ID	TCX 1 %REC #	TCX 2 %REC #	DCB 1 %REC #	DCB 2 %REC #	TOT OUT
01	BLK7662	108	124*	169*	106	2
02	BKS7662	112	119*	193*	126	2
03	AA99001	66	48	56	37	0
04	AA2016	110	128*	145*	92	2

			ADVISORY QC LIMITS
TCX	=	Tetrachloro-m-xylene	(23-112)
DCB	=	Decachlorobiphenyl	(21-134)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogate diluted out

3E

WATER PCB's MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: GPL Laboratories Client: IT_CORPRATION

Lab Code: GPL Case No.: 10052 SAS No.: N/A SDG No.: N/A

EPA Sample No.: AB3005 MS/MSD GP ID: 10052-008-06-1 MS/MSD

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC.
AR 1016	11	0	9	84	54-150
AR 1260	22	0	22	99	70-131

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC.
AR 1016	11	9	83	1	20	54-150
AR 1260	22	21.5	97	2	20	70-131

* Value outside of QC limits

RPD: 0 of 2 outside limits.

Spike Recovery: 0 of 4 outside limits.

COMMENTS:

3E
WATER LABORATORY CONTROL SPIKE RECOVERY

Lab Name: GPL Laboratories | Client: IT CORPORATION

Lab Code: GPL | Case No.: 10121 | SAS No.: N/A | SDG No.: N/A

EPA Sample No.: BKS7662 | GP ID: BKS7662

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC
AR 1016	5	0	5.1	102	54-164
AR 1260	10	0	10.0	100	80-145

* Value outside of QC limits

Spike recovery: 0 out of 2 outside limits.

COMMENTS:

4C

PESTICIDE METHOD BLANK SUMMARY

CLIENT ID

BLK7662

Lab Name: GPL LABORATORIES, LLLP Project: IT CORPORAT

Lab Code: GPLL WO No.: 10121 SAS No.: N/A SDG No.: N/A

Lab Sample ID: BLK7662 Lab File ID: J11228.D

Matrix: (soil/water) WATER Extraction: (SepF/Cont/Sonc) CONT

Sulfur Cleanup: (Y/N) N Date Extracted: 10/25/00

Date Analyzed (1) : 10/30/00 Date Analyzed (2) : 10/30/00

Time Analyzed (1) : 0844 Time Analyzed (2) : 0844

Instrument ID (1) : GC-J Instrument ID (2) : GC-J

GC Column (1) : RTx-CLP ID: 0.32 (mm) GC Column (2) : RTx-CLP2 ID: 0.32 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	BKS7662	BKS7662	10/30/00	10/30/00
02	AA99001	10121-001-09-1/2	10/30/00	10/30/00
03	AA2016	10121-003-09-1/2	10/30/00	10/30/00

COMMENTS:

Summary of Analytical Results

Client ID AA9001
GPL ID: 10121-001-02-2/4
Matrix: Water
Date Collected: Oct-18-2000
Date Received: Oct-19-2000

Prep Method: SW5030B
Prep Date: Nov-08-2000
Prep Time: 09:18
Prep Chemist: Abner Cauton

Analytical Method: SW8260LL_TCL
Date Analyzed: Nov-08-2000
Time Analyzed 12:58
Analyst: Jannina S. Bryan

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	1	ug/L	U	1
1,1,2,2-Tetrachloroethane	BQL	1	ug/L	U	1
1,1,2-Trichloroethane	BQL	1	ug/L	U	1
1,1-Dichloroethane	BQL	1	ug/L	U	1
1,1-Dichloroethene	BQL	1	ug/L	U	1
1,2-Dichloroethane	BQL	1	ug/L	U	1
1,2-Dichloropropane	BQL	1	ug/L	U	1
2-Butanone	BQL	5	ug/L	U	1
2-Hexanone	BQL	5	ug/L	U	1
4-Methyl-2-Pentanone	BQL	5	ug/L	U	1
Acetone	BQL	5	ug/L	U	1
Benzene	BQL	1	ug/L	U	1
Bromodichloromethane	BQL	1	ug/L	U	1
Bromoform	BQL	1	ug/L	U	1
Bromomethane	BQL	1	ug/L	U	1
Carbon Disulfide	BQL	1	ug/L	U	1
Carbon Tetrachloride	BQL	1	ug/L	U	1
Chlorobenzene	BQL	1	ug/L	U	1
Chloroethane	BQL	1	ug/L	U	1
Chloroform	BQL	1	ug/L	U	1
Chloromethane	BQL	1	ug/L	U	1
Dibromochloromethane	BQL	1	ug/L	U	1
Ethylbenzene	BQL	1	ug/L	U	1
Methylene Chloride	BQL	1	ug/L	U	1
Styrene	BQL	1	ug/L	U	1
Tetrachloroethene	BQL	1	ug/L	U	1
Toluene	BQL	1	ug/L	U	1
Trichloroethene	BQL	1	ug/L	U	1
Vinyl Chloride	BQL	1	ug/L	U	1
cis-1,2-Dichloroethene	BQL	1	ug/L	U	1
cis-1,3-Dichloropropene	BQL	1	ug/L	U	1
m,p-Xylenes	BQL	1	ug/L	U	1
o-Xylene	BQL	1	ug/L	U	1
trans-1,2-dichloroethene	BQL	1	ug/L	U	1
trans-1,3-dichloropropene	BQL	1	ug/L	U	1

Summary of Analytical Results

Client ID 10182000
GPL ID: 10121-002-01-1/2
Matrix: Water
Date Collected: Oct-18-2000
Date Received: Oct-19-2000

Prep Method: SW5030B
Prep Date: Oct-28-2000
Prep Time: 11:00
Prep Chemist: Abner Cauton

Analytical Method: SW8260LL_TCL
Date Analyzed: Oct-28-2000
Time Analyzed 19:38
Analyst: Jannina S. Bryan

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	1	ug/L	U	1
1,1,2,2-Tetrachloroethane	BQL	1	ug/L	U	1
1,1,2-Trichloroethane	BQL	1	ug/L	U	1
1,1-Dichloroethane	BQL	1	ug/L	U	1
1,1-Dichloroethene	BQL	1	ug/L	U	1
1,2-Dichloroethane	BQL	1	ug/L	U	1
1,2-Dichloropropane	BQL	1	ug/L	U	1
2-Butanone	BQL	5	ug/L	U	1
2-Hexanone	BQL	5	ug/L	U	1
4-Methyl-2-Pentanone	BQL	5	ug/L	U	1
Acetone	44.5	5	ug/L		1
Benzene	BQL	1	ug/L	U	1
Bromodichloromethane	BQL	1	ug/L	U	1
Bromoform	BQL	1	ug/L	U	1
Bromomethane	BQL	1	ug/L	U	1
Carbon Disulfide	BQL	1	ug/L	U	1
Carbon Tetrachloride	BQL	1	ug/L	U	1
Chlorobenzene	BQL	1	ug/L	U	1
Chloroethane	BQL	1	ug/L	U	1
Chloroform	BQL	1	ug/L	U	1
Chloromethane	BQL	1	ug/L	U	1
Dibromochloromethane	BQL	1	ug/L	U	1
Ethylbenzene	BQL	1	ug/L	U	1
Methylene Chloride	BQL	1	ug/L	U	1
Styrene	BQL	1	ug/L	U	1
Tetrachloroethene	BQL	1	ug/L	U	1
Toluene	BQL	1	ug/L	U	1
Trichloroethene	BQL	1	ug/L	U	1
Vinyl Chloride	BQL	1	ug/L	U	1
cis-1,2-Dichloroethene	BQL	1	ug/L	U	1
cis-1,3-Dichloropropene	BQL	1	ug/L	U	1
m,p-Xylenes	BQL	1	ug/L	U	1
o-Xylene	BQL	1	ug/L	U	1
trans-1,2-dichloroethene	BQL	1	ug/L	U	1
trans-1,3-dichloropropene	BQL	1	ug/L	U	1

Summary of Analytical Results

Client ID AA2016
GPL ID: 10121-003-01-1/3
Matrix: Water
Date Collected: Oct-18-2000
Date Received: Oct-19-2000

Prep Method: SW5030B
Prep Date: Oct-28-2000
Prep Time: 11:00
Prep Chemist: Abner Cauton

Analytical Method: SW8260LL_TCL
Date Analyzed: Oct-28-2000
Time Analyzed 20:12
Analyst: Jannina S. Bryan

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	1	ug/L	U	1
1,1,2,2-Tetrachloroethane	BQL	1	ug/L	U	1
1,1,2-Trichloroethane	BQL	1	ug/L	U	1
1,1-Dichloroethane	BQL	1	ug/L	U	1
1,1-Dichloroethene	BQL	1	ug/L	U	1
1,2-Dichloroethane	BQL	1	ug/L	U	1
1,2-Dichloropropane	BQL	1	ug/L	U	1
2-Butanone	BQL	5	ug/L	U	1
2-Hexanone	BQL	5	ug/L	U	1
4-Methyl-2-Pentanone	BQL	5	ug/L	U	1
Acetone	BQL	5	ug/L	U	1
Benzene	BQL	1	ug/L	U	1
Bromodichloromethane	BQL	1	ug/L	U	1
Bromoform	BQL	1	ug/L	U	1
Bromomethane	BQL	1	ug/L	U	1
Carbon Disulfide	2.54	1	ug/L		1
Carbon Tetrachloride	BQL	1	ug/L	U	1
Chlorobenzene	BQL	1	ug/L	U	1
Chloroethane	BQL	1	ug/L	U	1
Chloroform	BQL	1	ug/L	U	1
Chloromethane	BQL	1	ug/L	U	1
Dibromochloromethane	BQL	1	ug/L	U	1
Ethylbenzene	BQL	1	ug/L	U	1
Methylene Chloride	BQL	1	ug/L	U	1
Styrene	BQL	1	ug/L	U	1
Tetrachloroethene	BQL	1	ug/L	U	1
Toluene	BQL	1	ug/L	U	1
Trichloroethene	BQL	1	ug/L	U	1
Vinyl Chloride	BQL	1	ug/L	U	1
cis-1,2-Dichloroethene	BQL	1	ug/L	U	1
cis-1,3-Dichloropropene	BQL	1	ug/L	U	1
m,p-Xylenes	BQL	1	ug/L	U	1
o-Xylene	BQL	1	ug/L	U	1
trans-1,2-dichloroethene	BQL	1	ug/L	U	1
trans-1,3-dichloropropene	BQL	1	ug/L	U	1

2A
WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: GPL LABORATORIES, LLLP Contract: PLUMBROOK_ORDN

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

	CLIENT SAMPLE NO.	SMC1 #	SMC2 #	SMC3 #	SMC4 #	TOT OUT
01	BLK7984	94	100	85	84	0
02	BKS7984	80	93	85	76	0
03	AA9001	*	*	*	*	4
04	10182000	125	144 *	114	123	1
05	AA2016	78	86	73 *	79	1
06	BLK7955	86	96	91	90	0
07	BKS7955	94	98	101	104	0
08	10182000 RE	107	98	93	89	0
09	AA2016 RE	93	98	95	95	0
10	BLK8187	83	99	92	87	0
11	BKS8187	109	104	107	108	0
12	AA9001 RE	172 *	79	5766 *	6663 *	3

			QC LIMITS
SMC1	=	1,2-Dichloroethane-d4	(77-133)
SMC2	=	Toluene-d8	(74-128)
SMC3	=	4-Bromofluorobenzene	(81-125)
SMC4	=	1,2-Dichlorobenzene-d4	(76-134)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

3A

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: GPL LABORATORIES, LLLP Contract: STAMFORD_CT

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Matrix Spike - EPA Sample No.: MW-14 S

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
1,1-Dichloroethene	10	0.0	11	110	51 - 134
Benzene	10	0.0	9.5	95	61 - 120
Trichloroethene	10	41	42	6 *	44 - 139
Toluene	10	0.0	9.6	96	53 - 118
Chlorobenzene	10	0.0	8.9	89	68 - 125

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	10	13	130	17	25	51 - 134
Benzene	10	12	120	23	25	61 - 120
Trichloroethene	10	51	100	164 *	25	44 - 139
Toluene	10	11	110	14	25	53 - 118
Chlorobenzene	10	11	110	21	25	68 - 125

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 1 out of 5 outside limits

Spike Recovery: 1 out of 10 outside limits

COMMENTS: Shared with 10155

LAB CONTROL STANDARD RECOVERY

Lab Name:	GPL LABORATORIES, LLLP			Contract:	PLUMBROOK_ORDN
Case No.:	N/A			SDG No.:	N/A
Lab Code:	GPLL			Lab Sample ID:	BKS1
Lab File ID:	B26934.D	Matrix:	WATER	Date Analyzed:	11/7/00

COMPOUND	LCS ADDED (ug/L)	CONCENTRATION FOUND (ug/L)	PERCENT RECOVERY #	INTERNAL LABORATORY LIMITS
Vinyl Chloride	10	10.3	103	42-126
1,1-Dichloroethene	10	9.7	97	51-134
Chloroform	10	10.1	101	64-139
1,1,1-Trichloroethane	10	10.0	100	64-150
Carbon Tetrachloride	10	9.5	95	49-169
Benzene	10	9.7	97	61-120
1,2-Dichloroethane	10	10.1	101	64-141
Trichloroethene	10	10.1	101	44-139
Bromodichloromethane	10	10.4	104	60-142
Dibromochloromethane	10	10.2	102	54-164
Bromoform	10	10.2	102	46-156

* Value outside internal laboratory limits

Comments: _____

LAB CONTROL STANDARD RECOVERY

Lab Name:	GPL LABORATORIES, LLLP			Contract:	PLUMBROOK_ORDN
Case No.:	N/A			SDG No.:	N/A
Lab Code:	GPLL			Lab Sample ID:	BKS1
Lab File ID:	B26952.D	Matrix:	WATER	Date Analyzed:	11/8/00

COMPOUND	LCS ADDED (ug/L)	CONCENTRATION FOUND (ug/L)	PERCENT RECOVERY #	INTERNAL LABORATORY LIMITS
Vinyl Chloride	10	10.6	106	42-126
1,1-Dichloroethene	10	9.7	97	51-134
Chloroform	10	9.8	98	64-139
1,1,1-Trichloroethane	10	9.4	94	64-150
Carbon Tetrachloride	10	10.3	103	49-169
Benzene	10	10.6	106	61-120
1,2-Dichloroethane	10	11.1	111	64-141
Trichloroethene	10	9.9	99	44-139
Bromodichloromethane	10	9.8	98	60-142
Dibromochloromethane	10	9.6	96	54-164
Bromoform	10	8.4	84	46-156

* Value outside internal laboratory limits

Comments: _____

LAB CONTROL STANDARD RECOVERY

Lab Name:	GPL LABORATORIES, LLLP			Contract:	PLUMBROOK_ORDN
Case No.:	N/A			SDG No.:	N/A
Lab Code:	GPLL			Lab Sample ID:	BKS1028
Lab File ID:	E22407.D	Matrix:	WATER	Date Analyzed:	10/28/00

COMPOUND	LCS ADDED (ug/L)	CONCENTRATION FOUND (ug/L)	PERCENT RECOVERY #	INTERNAL LABORATORY LIMITS
Vinyl Chloride	10	7.7	77	42-126
1,1-Dichloroethene	10	9.8	98	51-134
Chloroform	10	8.5	85	64-139
1,1,1-Trichloroethane	10	8.3	83	64-150
Carbon Tetrachloride	10	9.3	93	49-169
Benzene	10	9.2	92	61-120
1,2-Dichloroethane	10	8.1	81	64-141
Trichloroethene	10	8.4	84	44-139
Bromodichloromethane	10	8.7	87	60-142
Dibromochloromethane	10	8.0	80	54-164
Bromoform	10	7.1	71	46-156

* Value outside internal laboratory limits

Comments: _____

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

BLK7984

Lab Name: GPL LABORATORIES, LLLP Contract: PLUMBRO

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Lab File ID: E22406.D Lab Sample ID: BLK1028

Date Analyzed: 10/28/00 Time Analyzed: 13:00

GC Column: RTXVO ID: 0.53 (mm) Heated Purge: (Y/N) N

Instrument ID: 5970-E

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	BKS7984	BKS1028	E22407.D	13:34
02	AA9001	10121-001	E22416.D	19:05
03	10182000	10121-002	E22417.D	19:38
04	AA2016	10121-003	E22418.D	20:12

COMMENTS

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

BLK7955

Lab Name: GPL LABORATORIES, LLLP Contract: PLUMBRO

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Lab File ID: B26933.D Lab Sample ID: BLK1

Date Analyzed: 11/07/00 Time Analyzed: 14:21

GC Column: RTXVO ID: 0.53 (mm) Heated Purge: (Y/N) N

Instrument ID: 5970-B

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	BKS7955	BKS1	B26934.D	14:56
02	10182000 RE	10121-002-02-2/2	B26938.D	17:20
03	AA2016 RE	10121-003-03-3/3	B26939.D	17:54

COMMENTS

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

BLK8187

Lab Name: GPL LABORATORIES, LLLP Contract: PLUMBRO

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Lab File ID: B26951.D Lab Sample ID: BLK1

Date Analyzed: 11/08/00 Time Analyzed: 10:32

GC Column: RTXVO ID: 0.53 (mm) Heated Purge: (Y/N) N

Instrument ID: 5970-B

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	BKS8187	BKS1	B26952.D	11:07
02	AA9001 RE	10121-001-02-2/4	B26954.D	12:58

COMMENTS

Summary of Analytical Results

Client ID AA9001
GPL ID: 10121-001-05-1/2
Matrix: Water
Date Collected: Oct-18-2000
Date Received: Oct-19-2000

Prep Method: SW3520C
Prep Date: Oct-25-2000
Prep Time: 00:00
Prep Chemist: Veena Telhan

Analytical Method: SW8270CTCL
Date Analyzed: Nov-06-2000
Time Analyzed 18:20
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	10.6	ug/L	U	1
1,2-Dichlorobenzene	BQL	10.6	ug/L	U	1
1,3-Dichlorobenzene	BQL	10.6	ug/L	U	1
1,4-Dichlorobenzene	BQL	10.6	ug/L	U	1
2,2-Oxybis(1-Chloro)Propane	BQL	10.6	ug/L	U	1
2,4,5-Trichlorophenol	BQL	10.6	ug/L	U	1
2,4,6-Trichlorophenol	BQL	10.6	ug/L	U	1
2,4-Dichlorophenol	BQL	10.6	ug/L	U	1
2,4-Dimethylphenol	58.7	10.6	ug/L		1
2,4-Dinitrophenol	BQL	21.3	ug/L	U	1
2,4-Dinitrotoluene	BQL	10.6	ug/L	U	1
2,6-Dinitrotoluene	BQL	10.6	ug/L	U	1
2-Chloronaphthalene	BQL	10.6	ug/L	U	1
2-Chlorophenol	BQL	10.6	ug/L	U	1
2-Methylnaphthalene	BQL	10.6	ug/L	U	1
2-Nitroaniline	BQL	10.6	ug/L	U	1
2-Nitrophenol	BQL	10.6	ug/L	U	1
2-methylphenol	BQL	10.6	ug/L	U	1
3,3-Dichlorobenzidine	BQL	21.3	ug/L	U	1
3-Nitroaniline	BQL	10.6	ug/L	U	1
4,6-dinitro-2-methyl phenol	BQL	21.3	ug/L	U	1
4-Bromophenyl-phenylether	BQL	10.6	ug/L	U	1
4-Chloroaniline	BQL	10.6	ug/L	U	1
4-Chlorophenyl Phenyl Ether	BQL	10.6	ug/L	U	1
4-Nitroaniline	BQL	10.6	ug/L	U	1
4-Nitrophenol	BQL	21.3	ug/L	U	1
4-chloro-3-methylphenol	BQL	10.6	ug/L	U	1
4-methylphenol	13.5	10.6	ug/L		1
Acenaphthene	BQL	10.6	ug/L	U	1
Acenaphthylene	BQL	10.6	ug/L	U	1
Anthracene	BQL	10.6	ug/L	U	1
Benzo(a)anthracene	BQL	10.6	ug/L	U	1
Benzo(a)pyrene	BQL	10.6	ug/L	U	1
Benzo(b)fluoranthene	BQL	10.6	ug/L	U	1
Benzo(g,h,i)perylene	BQL	10.6	ug/L	U	1
Benzo(k)fluoranthene	BQL	10.6	ug/L	U	1
Benzyl Butyl Phthalate	1.95	10.6	ug/L	J	1
Carbazole	BQL	10.6	ug/L	U	1
Chrysene	BQL	10.6	ug/L	U	1

Summary of Analytical Results

Client ID AA9001
GPL ID: 10121-001-05-1/2
Matrix: Water
Date Collected: Oct-18-2000
Date Received: Oct-19-2000

Prep Method: SW3520C
Prep Date: Oct-25-2000
Prep Time: 00:00
Prep Chemist: Veena Telhan

Analytical Method: SW8270CTCL
Date Analyzed: Nov-06-2000
Time Analyzed 18:20
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	10.6	ug/L	U	1
Dibenzofuran	BQL	10.6	ug/L	U	1
Diethyl Phthalate	BQL	10.6	ug/L	U	1
Dimethyl Phthalate	BQL	10.6	ug/L	U	1
Fluoranthene	1.36	10.6	ug/L	J	1
Fluorene	BQL	10.6	ug/L	U	1
Hexachlorobenzene	BQL	10.6	ug/L	U	1
Hexachlorobutadiene	BQL	10.6	ug/L	U	1
Hexachlorocyclopentadiene	BQL	10.6	ug/L	U	1
Hexachloroethane	BQL	10.6	ug/L	U	1
Indeno(1,2,3-c,d)Pyrene	BQL	10.6	ug/L	U	1
Isophorone	BQL	10.6	ug/L	U	1
Naphthalene	BQL	10.6	ug/L	U	1
Nitrobenzene	BQL	10.6	ug/L	U	1
Pentachlorophenol	BQL	21.3	ug/L	U	1
Phenanthrene	BQL	10.6	ug/L	U	1
Phenol	38.7	10.6	ug/L		1
Pyrene	BQL	10.6	ug/L	U	1
bis(2-chloroethoxy) methane	BQL	10.6	ug/L	U	1
bis(2-chloroethyl) ether	BQL	10.6	ug/L	U	1
bis(2-ethylhexyl) phthalate	138	10.6	ug/L	B	1
di-n-Butyl Phthalate	BQL	10.6	ug/L	U	1
di-n-Octyl Phthalate	BQL	10.6	ug/L	U	1
n-Nitrosodi-n-Propylamine	BQL	10.6	ug/L	U	1
n-Nitrosodiphenylamine	BQL	10.6	ug/L	U	1

Summary of Analytical Results

Client ID AA2016
GPL ID: 10121-003-04-1/2
Matrix: Water
Date Collected: Oct-18-2000
Date Received: Oct-19-2000

Prep Method: SW3520C
Prep Date: Oct-25-2000
Prep Time: 00:00
Prep Chemist: Veena Telhan

Analytical Method: SW8270CTCL
Date Analyzed: Nov-06-2000
Time Analyzed 13:46
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,2,4-Trichlorobenzene	BQL	10.2	ug/L	U	1
1,2-Dichlorobenzene	BQL	10.2	ug/L	U	1
1,3-Dichlorobenzene	BQL	10.2	ug/L	U	1
1,4-Dichlorobenzene	BQL	10.2	ug/L	U	1
2,2-Oxybis(1-Chloro)Propane	BQL	10.2	ug/L	U	1
2,4,5-Trichlorophenol	BQL	10.2	ug/L	U	1
2,4,6-Trichlorophenol	BQL	10.2	ug/L	U	1
2,4-Dichlorophenol	BQL	10.2	ug/L	U	1
2,4-Dimethylphenol	BQL	10.2	ug/L	U	1
2,4-Dinitrophenol	BQL	20.4	ug/L	U	1
2,4-Dinitrotoluene	BQL	10.2	ug/L	U	1
2,6-Dinitrotoluene	BQL	10.2	ug/L	U	1
2-Chloronaphthalene	BQL	10.2	ug/L	U	1
2-Chlorophenol	BQL	10.2	ug/L	U	1
2-Methylnaphthalene	BQL	10.2	ug/L	U	1
2-Nitroaniline	BQL	10.2	ug/L	U	1
2-Nitrophenol	BQL	10.2	ug/L	U	1
2-methylphenol	BQL	10.2	ug/L	U	1
3,3-Dichlorobenzidine	BQL	20.4	ug/L	U	1
3-Nitroaniline	BQL	10.2	ug/L	U	1
4,6-dinitro-2-methyl phenol	BQL	20.4	ug/L	U	1
4-Bromophenyl-phenylether	BQL	10.2	ug/L	U	1
4-Chloroaniline	BQL	10.2	ug/L	U	1
4-Chlorophenyl Phenyl Ether	BQL	10.2	ug/L	U	1
4-Nitroaniline	BQL	10.2	ug/L	U	1
4-Nitrophenol	BQL	20.4	ug/L	U	1
4-chloro-3-methylphenol	BQL	10.2	ug/L	U	1
4-methylphenol	BQL	10.2	ug/L	U	1
Acenaphthene	BQL	10.2	ug/L	U	1
Acenaphthylene	BQL	10.2	ug/L	U	1
Anthracene	BQL	10.2	ug/L	U	1
Benzo(a)anthracene	BQL	10.2	ug/L	U	1
Benzo(a)pyrene	BQL	10.2	ug/L	U	1
Benzo(b)fluoranthene	BQL	10.2	ug/L	U	1
Benzo(g,h,i)perylene	BQL	10.2	ug/L	U	1
Benzo(k)fluoranthene	BQL	10.2	ug/L	U	1
Benzyl Butyl Phthalate	BQL	10.2	ug/L	U	1
Carbazole	BQL	10.2	ug/L	U	1
Chrysene	BQL	10.2	ug/L	U	1

Summary of Analytical Results

Client ID AA2016
GPL ID: 10121-003-04-1/2
Matrix: Water
Date Collected: Oct-18-2000
Date Received: Oct-19-2000

Prep Method: SW3520C
Prep Date: Oct-25-2000
Prep Time: 00:00
Prep Chemist: Veena Telhan

Analytical Method: SW8270CTCL
Date Analyzed: Nov-06-2000
Time Analyzed 13:46
Analyst: Meheret Negussie

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
Dibenz(a,h)Anthracene	BQL	10.2	ug/L	U	1
Dibenzofuran	BQL	10.2	ug/L	U	1
Diethyl Phthalate	BQL	10.2	ug/L	U	1
Dimethyl Phthalate	BQL	10.2	ug/L	U	1
Fluoranthene	BQL	10.2	ug/L	U	1
Fluorene	BQL	10.2	ug/L	U	1
Hexachlorobenzene	BQL	10.2	ug/L	U	1
Hexachlorobutadiene	BQL	10.2	ug/L	U	1
Hexachlorocyclopentadiene	BQL	10.2	ug/L	U	1
Hexachloroethane	BQL	10.2	ug/L	U	1
Indeno(1,2,3-c,d)Pyrene	BQL	10.2	ug/L	U	1
Isophorone	BQL	10.2	ug/L	U	1
Naphthalene	BQL	10.2	ug/L	U	1
Nitrobenzene	BQL	10.2	ug/L	U	1
Pentachlorophenol	BQL	20.4	ug/L	U	1
Phenanthrene	BQL	10.2	ug/L	U	1
Phenol	BQL	10.2	ug/L	U	1
Pyrene	BQL	10.2	ug/L	U	1
bis(2-chloroethoxy) methane	BQL	10.2	ug/L	U	1
bis(2-chloroethyl) ether	BQL	10.2	ug/L	U	1
bis(2-ethylhexyl) phthalate	BQL	10.2	ug/L	U	1
di-n-Butyl Phthalate	BQL	10.2	ug/L	U	1
di-n-Octyl Phthalate	BQL	10.2	ug/L	U	1
n-Nitrosodi-n-Propylamine	BQL	10.2	ug/L	U	1
n-Nitrosodiphenylamine	BQL	10.2	ug/L	U	1

2C
WATER SEMIVOLATILE SURROGATE RECOVERY

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBROOK

Lab Code: GPL Case No.: N/A SAS No.: N/A SDG No.: N/A

	Client SAMPLE NO.	S1 (2FP) #	S2 (PHL) #	S3 (NBZ) #	S4 (FBP) #	S5 (TBP) #	S6 (TPH) #	TOT OUT
01	BLK7661	41*	64	76	69	74	105	0*
02	BKS7661	56	73	79	79	101	106	0
03	AA2016	53	70	76	72	91	101	0
04	AA9001	50*	65	69	70	73	70	0*

HN 11.15.00

				QC LIMITS
S1	(2FP)	=	2-Fluorophenol	(20-150)
S2	(PHL)	=	Phenol-d5	(30-150)
S3	(NBZ)	=	Nitrobenzene-d5	(20-137)
S4	(FBP)	=	2-Fluorobiphenyl	(23-110)
S5	(TBP)	=	2,4,6-Tribromophenol	(20-150)
S6	(TPH)	=	Terphenyl-d14	(20-138)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogate diluted out

2003

3C

WATER SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: GPL_LABORATORIES

Contract: IT_PLUMBROOK

Lab Code: GPLL

SDG No.: N/A

EPA Sample No.: AB3002DL

GPL ID: 10052-007-04-1DL MS / MSD

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC
Phenol	220	0	140	64
2-Chlorophenol	220	0	120	55
1,4-Dichlorobenzene	220	0	130	59
N-Nitroso-di-n-propylamine	220	0	170	77
1,2,4-Trichlorobenzene	220	0	120	55
4-Chloro-3-methylphenol	220	0	120	55
Acenaphthene	220	0	140	64
2,4-Dinitrotoluene	220	4800	4000	0 *
4-Nitrophenol	220	0	71	32
Pentachlorophenol	220	0	21	10 *
Pyrene	220	0	130	59

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS REC LOW	QC LIMITS REC HIGH	QC LIMITS RPD
Phenol	220	120	55	15	20	150	40
2-Chlorophenol	220	110	50	10	23	134	40
1,4-Dichlorobenzene	220	120	55	7	20	125	19
N-Nitroso-di-n-propylamine	220	160	73	5	20	150	40
1,2,4-Trichlorobenzene	220	110	50	10	23	114	47
4-Chloro-3-methylphenol	220	120	55	0	26	147	40
Acenaphthene	220	120	55	15	20	116	40
2,4-Dinitrotoluene	220	3600	0 *	0	24	149	40
4-Nitrophenol	220	63	29	10	20	150	36
Pentachlorophenol	220	0	0 *	200 *	20	150	40
Pyrene	220	130	59	0	20	135	40

RPD: 1 out of 17 outside limits
Spike Recovery: 4 out of 34 outside limits

Comments:

2004

3F
WATER LABORATORY CONTROL SPIKE RECOVERY

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBROOK

Lab Code: GPL Case No.: N/A SDG No.: N/A

EPA Sample No.: BKS7661 CLIENT ID: BKS7661

DATE EXTRACTED: 10/25/00 WORK ORDER NO: 00-10-121

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	INTERNAL QC LIMITS
Phenol	100	82	82	30-100
2-Chlorophenol	100	78	78	67-105
1,4-Dichlorobenzene	100	53	53	43-101
N-Nitroso-Di-n-Propylamine	100	90	90	43-150
1,2,4-Trichlorobenzene	100	57	57	51-100
4-Chloro-3-methylphenol	100	90	90	61-125
Acenaphthene	100	84	84	35-125
2,4-Dinitrotoluene	100	81	81	66-123
4-Nitrophenol	100	100	100	20-150
Pentachlorophenol	100	92	92	43-150
Pyrene	100	100	100	56-116

COMMENTS:

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

BLK7661

Lab Name: GPL_LABORATORIES Contract: IT_PLUMBRO

Lab Code: GPL Case No.: N/A SAS No.: N/A SDG No.: N/A

Lab File ID: P09654.D Lab Sample ID: BLK7661

Instrument ID: HP#P Date Extracted: 10/25/00

Matrix: (soil/water) WATER Date Analyzed: 11/06/00

Level: (low/med) LOW Time Analyzed: 10:46

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	Client SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	BKS7661	BKS7661	P09655.D	11/06/00
02	AA2016	10121-003-04-1	P09658.D	11/06/00
03	AA9001	10121-001-05-1	P09664.D	11/06/00

COMMENTS:

Summary of Analytical Results

Client ID AA9001
GPL ID: 10121-001-07-1/2
Matrix: Water
Date Collected: Oct-18-2000
Date Received: Oct-19-2000

Prep Method: EXT_SW8330
Prep Date: Oct-25-2000
Prep Time: 16:40
Prep Chemist: Reynaldo Caraan

Analytical Method: SW8330
Date Analyzed: Oct-26-2000
Time Analyzed 02:50
Analyst: Mulugeta Wondwossen

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	BQL	0.26	ug/L	U	1
1,3-Dinitrobenzene	BQL	0.26	ug/L	U	1
2,4,6-Trinitrotoluene	0.578	0.26	ug/L		1
2,4-Dinitrotoluene	0.383	0.26	ug/L		1
2,6-Dinitrotoluene	BQL	0.26	ug/L	U	1
2-Amino-4,6-Dinitrotoluene	BQL	0.26	ug/L	U	1
4-Amino-2,6-Dinitrotoluene	BQL	0.26	ug/L	U	1
HMX	BQL	0.52	ug/L	U	1
Nitrobenzene	BQL	0.26	ug/L	U	1
RDX	BQL	0.52	ug/L	U	1
Tetryl	BQL	0.52	ug/L	U	1
m-Nitrotoluene	BQL	0.52	ug/L	U	1
o-Nitrotoluene	BQL	0.52	ug/L	U	1
p-Nitrotoluene	BQL	0.52	ug/L	U	1

Summary of Analytical Results

Client ID AA2016
GPL ID: 10121-003-06-1/2
Matrix: Water
Date Collected: Oct-18-2000
Date Received: Oct-19-2000

Prep Method: EXT_SW8330
Prep Date: Oct-25-2000
Prep Time: 16:40
Prep Chemist: Reynaldo Caraan

Analytical Method: SW8330
Date Analyzed: Oct-26-2000
Time Analyzed 03:19
Analyst: Mulugeta Wondwossen

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,3,5-Trinitrobenzene	BQL	0.26	ug/L	U	1
1,3-Dinitrobenzene	BQL	0.26	ug/L	U	1
2,4,6-Trinitrotoluene	BQL	0.26	ug/L	U	1
2,4-Dinitrotoluene	BQL	0.26	ug/L	U	1
2,6-Dinitrotoluene	BQL	0.26	ug/L	U	1
2-Amino-4,6-Dinitrotoluene	BQL	0.26	ug/L	U	1
4-Amino-2,6-Dinitrotoluene	BQL	0.26	ug/L	U	1
HMX	BQL	0.52	ug/L	U	1
Nitrobenzene	BQL	0.26	ug/L	U	1
RDX	BQL	0.52	ug/L	U	1
Tetryl	BQL	0.52	ug/L	U	1
m-Nitrotoluene	BQL	0.52	ug/L	U	1
o-Nitrotoluene	BQL	0.52	ug/L	U	1
p-Nitrotoluene	BQL	0.52	ug/L	U	1

2C
WATER EXPLOSIVES SURROGATE RECOVERY

Lab Name: GPL LABORATORIES, LLLP Contract: IT_PLUMBROOK

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

	CLIENT SAMPLE NO.	S1 #	TOT OUT
01	NBLKA	100	0
02	NLCSA	100	0
03	AA9001	69	0
04	AA2016	57	0

			QC LIMITS
S1	=	4-Nitroaniline	(22-100)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogate diluted out

3C

WATER EXPLOSIVES MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: GPL LABORATORIES, LLLP Contract: PARALLAX, Inc.

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Matrix Spike - EPA Sample No.: T6-GAC-102300

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
HMX	7.8	0.0	6.7	86	53 - 123
1,3,5-Trinitrobenzene	3.9	0.0	3.9	100	27 - 150
Tetryl	7.8	0.0	5.7	73	32 - 100
2,4,6-Trinitrotoluene	3.9	0.0	5.2	133	44 - 150
4-Amino-2,6-Dinitrotoluene	3.9	0.0	3.9	100	36 - 126
4-Nitrotoluene	7.8	0.0	6.4	82	49 - 123
RDX	7.8	0.0	6.6	85	41 - 144
1,3-Dinitrobenzene	3.9	0.0	3.5	90	52 - 123
Nitrobenzene	3.9	0.0	3.1	79	48 - 111
2-Amino-4,6-Dinitrotoluene	3.9	0.0	5.1	131	53 - 138
2,4-Dinitrotoluene	7.8	0.0	5.0	64	36 - 106
2-Nitrotoluene	7.8	0.0	6.5	83	39 - 134
3-Nitrotoluene	7.8	0.0	6.8	87	53 - 123

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
HMX	7.8	6.5	83	4	25	53 - 123
1,3,5-Trinitrobenzene	3.9	3.8	97	3	25	27 - 150
Tetryl	7.8	5.6	72	1	25	32 - 100
2,4,6-Trinitrotoluene	3.9	5.1	131	2	25	44 - 150
4-Amino-2,6-Dinitrotoluene	3.9	3.8	97	3	25	36 - 126
4-Nitrotoluene	7.8	6.2	79	4	25	49 - 123
RDX	7.8	6.4	82	4	25	41 - 144
1,3-Dinitrobenzene	3.9	3.4	87	3	25	52 - 123
Nitrobenzene	3.9	3.0	77	3	25	48 - 111
2-Amino-4,6-Dinitrotoluene	3.9	5.4	138	5	25	53 - 138
2,4-Dinitrotoluene	7.8	4.6	59	8	25	36 - 106
2-Nitrotoluene	7.8	6.2	79	5	25	39 - 134

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 13 outside limits

Spike Recovery: 0 out of 26 outside limits

COMMENTS:

3C

WATER EXPLOSIVES MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: GPL LABORATORIES, LLLP Contract: PARALLAX, Inc.

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Matrix Spike - EPA Sample No.: T6-GAC-102300

3-Nitrotoluene	7.8	6.5	83	5	25	53 - 123

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 0 outside limits

Spike Recovery: 0 out of 0 outside limits

COMMENTS: _____

3F

WATER LABORATORY CONTROL SPIKE RECOVERY

Lab Name: GPL Laboratories, LLLP Contract: IT CORPORATION

Lab Code: GPLL Case No. N/A SAS No. N/A SDG No. N/A

EPA Sample No.: NLCS A GP ID: NBLK-7468 MS

COMPOUND	SPIKE ADDED ug/l	LCS CONCENTRATION ug/l	LCS % REC	QC LIMITS
HMX	7.8	7.7	99	70-127
1,3,5-TNB	3.9	4.1	106	20-150
TETRYL	7.8	6.5	83	20-104
TNT	3.9	4.9	126	70-150
4-AMINO-2,6-DNT	3.9	4.2	109	63-121
4-NITROTOLUENE	7.8	7.5	96	57-139
RDX	7.8	7.8	100	70-124
1,3-DINITROBENZENE	3.9	4.0	101	65-141
NITROBENZENE	3.9	3.7	95	71-134
2-AMINO-4,6-DNT	3.9	5.3	136	43-150
2,4-DNT	7.8	5.2	67	53-101
2-NITROTOLUENE	7.8	7.7	99	63-132
3-NITROTOLUENE	7.8	7.5	97	68-133

* OUTSIDE QC LIMIT

COMMENTS:

4B

EXPLOSIVES METHOD BLANK SUMMARY

EPA SAMPLE NO.

NBLKA

Lab Name: GPL LABORATORIES, LLLP Contract: IT_PLUMBRO

Lab Code: GPLL Case No.: N/A SAS No.: N/A SDG No.: N/A

Lab File ID: LCA2970.D Lab Sample ID: BLK7654

Instrument ID: LCA Date Extracted: 10/25/00

Matrix: (soil/water) WATER Date Analyzed: 10/25/00

Level: (low/med) LOW Time Analyzed: 23:02

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	Client Sample NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	NLCSA	BKS7654	LCA2971.D	10/25/00
02	AA9001	10121-001	LCA2978.D	10/26/00
03	AA2016	10121-003	LCA2979.D	10/26/00

COMMENTS:

GPL LABORATORIES, LLP
ANALYTICAL RESULTS

Project Name : Plumbrook Ordnance Works

Date Printe November 22, 2000

GPL ID	Client ID
10121-001-11-1	AA9001
10121-003-10-1	AA2016
10121-001-11-1	AA9001
10121-003-10-1	AA2016
10121-001-09-1/2	AA9001
10121-003-08-1/2	AA2016
10121-001-02-2/4	AA9001
10121-002-01-1/2	10182000
10121-003-01-1/3	AA2016
10121-001-05-1/2	AA9001
10121-003-04-1/2	AA2016
10121-001-07-1/2	AA9001
10121-003-06-1/2	AA2016

GPL LABORATORIES, LLLP

Qualifier Definitions

U = Indicates that the compound was analyzed for but not detected at or above the reporting limit

Organics:

B = Indicates that the analyte was found in the associated blank as well as in the sample

D = Indicates that the analyte was reported from a diluted analysis

E = Indicates that the concentration detected exceeded the calibration range of the instrument

J = Value is less than the reporting limits but greater than the MDL

P = Indicates that there is greater than 25% difference for detected pesticide/Aroclor results between the two GC columns

Metals:

B = Indicates that the reported value was less than the reporting limit but greater than or equal to the IDL/MDL

E = Indicates that reported value is estimated because of the possible presence of interference (i.e., the serial dilution not within control limits)

H = Indicates that the element was found in the associated blank as well as in the sample and the value is greater than or equal to the reporting limit

N = Spiked sample recovery not within control limits

• = Duplicate analysis not within control limits

10/30/00
I:USER/G_SECURE/LOGFORMS/QUALDEF.DOC
Form:Gen-004

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD*

Reference Document No. 466113
Page 1 of 1

Project Name/No. 1 PBOW / 807111.03
Sample Team Members 2 David Kessler
Profit Center No. 3 3489210
Project Manager 4 Mike Spangberg
Purchase Order No. 6 —
Required Report Date 11 Normal

Samples Shipment Date 7 10/18/00
Lab Destination 8 GPL
Lab Contact 9 Bill Lock
Project Contact/Phone 12 M. McMyler / 865-690-3211
Carrier/Waybill No. 13 822 780515180

Bill to: 5 IT Corp — Accounts Receivable, 312 Directors Drive, Knoxville, TN 37923
Report to: 10 IT Corp — Maureen McMyler, 312 Directors Drive, Knoxville, TN 37923

ONE CONTAINER PER LINE

Sample Number 14	Sample Description/Type 15	Date/Time Collected 16	Container Type 17	Sample Volume 18	Preservative 19	Requested Testing Program 20	Condition on Receipt 21	Disposal Record No. 22
AA9001	Decon Wash Water	10/18/00 1645	voa	4 ~~2~~ @ 40ml	HCL	TCL Volatiles (8260B)	FOR LAB USE ONLY	
AA9001		" "	amber	2@1l	ice	TCL Semi's (8270C)		
AA9001		" "	amber	2@1l	ice	Nitro's (8330)		
AA9001		" "	amber	2@1l	ice	PCB's (8082)		
AA9001		" "	poly	1@1l	HNO_3	TAL Metals (6010B/7470A)	FOR LAB USE ONLY	
10182000	Trip	10/18/00 0700	voa	2@40ml	HCL	TCL Volatiles		
AA2016	Water	10/18/00 1345	voa	3 ~~2~~ @ 40ml	HCL	TCL Volatiles		
AA2016		" "	amber	2@1l	ICE	TCL Semis		

Special Instructions: 23 IDW Wash Water / *Could not remove air bubbles from voa samples AA9001 / 1 of 2 from AA2016

Possible Hazard Identification: 24
Non-hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☒

Sample Disposal: 25
Return to Client ☐ Disposal by Lab ☒ Archive _____ (mos.)

Turnaround Time Required: 26
Normal ☒ Rush ☐

QC Level: 27
I. ☐ II. ☐ III. ☐ Project Specific (specify): As others

1. Relinquished by 28 (Signature/Affiliation) David Kessler IT Corp.	Date: ~~10/17~~ 10/18/00 Time: 1930	1. Received by 28 (Signature/Affiliation)	Date: Time:
2. Relinquished by (Signature/Affiliation)	Date: Time:	2. Received by (Signature/Affiliation)	Date: Time:
3. Relinquished by (Signature/Affiliation)	Date: Time:	3. Received by (Signature/Affiliation)	Date: 10/19/00 Time: 10:55

Comments: 29

White: To accompany samples
Yellow: Field copy
*See back of form for special instructions.

MCA 3/15/91

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INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD (cont.)*

Reference Document No.[30] 466113
Page 2 of 2

Project Name PBOW

Project No. 807111

Samples Shipment Date 10/18/00

ONE CONTAINER PER LINE

Sample[14] Number	Sample[15] Description/Type	Date/Time[16] Collected	Container[17] Type	Sample[18] Volume	Pre-[19] servative	Requested Testing[20] Program	Condition on[21] Receipt	Disposal[22] Record No.
AA2016	Water	10/18/00 1345	2@ amber	2@1l	ICE	Nitro		
AA2016	⊥	⊥ "	amber	2@1l	ice	PCB	FOR LAB USE ONLY	
AA2016	⊥	⊥ "	poly	1@1l	HNO_3	TAL Metals		
							FOR LAB USE ONLY	
							FOR LAB USE ONLY	
							FOR LAB USE ONLY	
							FOR LAB USE ONLY	
							FOR LAB USE ONLY	
							FOR LAB USE ONLY	
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							FOR LAB USE ONLY	
							FOR LAB USE ONLY	
							FOR LAB USE ONLY	

David Kosh 10/18/00

10/21

White: To accompany samples
Yellow: Field copy
*See back of form for special instructions.

MCA 3/15/91

GPL Laboratories, LLLP

Figure 1
SAMPLE RECEIPT CHECKLIST

W.O. No: 10121

Client Name: IT- PLUMBROOK

Date Received: 10/19/00

Time Received: 10:55 Am

Received By: Lyons

Carrier Name: FedEx

Prepared (Logged In) By: [initials] 10/23/00 (Initials Date)

Project: PB-W/ 807111-03

Site:

VOA Holding Blank I.D. No:

	YES	NO
Airbill/Manifest Present?	X	
No. 922 7805 5180		
Shipping Container in Good Condition?	X	
Custody Seals Present on Shipping Container?	X	
Condition: Broken ____		
Intact-not dated or signed ____		
Intact-dated and signed X		
Usage of Tamper Evident Type	X	
Chain-of-Custody Present?	X	
Chain-of-Custody Agrees with Sample Labels?	X	
Chain-of-Custody Signed?	X	
Packing Present in Shipping Container?	X	
Type of Packing VERMICULITE		
Custody seals on Sample Bottles?		X
Condition: Good ____ Broken ____		
Total Number of Sample Bottles 23		
Total Number of Samples 3		
Samples Intact?	X	
Sufficient Sample Volume for Indicated Test?	X	

	YES	NO
Trip Blanks: No. of Sets 1 set	X	
Field Blanks: No. of Sets ____		X
Equip. Blank: No. of Sets ____		X
Field Duplicate: No. of Sets ____		X
MS/MSD: No of Sets ____		X
VOA Vials Have Zero Headspace?	X	X
Preservatives Added to Sample?	X	
pH Check Required?	X	
Performed By? Lyons	X	
Ice Present in Shipping Container?	X	(circled)

Container #	Temp.	Container #	Temp.
[illegible]	4.0		

Project Manager Contacted?
Name: Lock
Date Contacted: 10/23/00

Any NO response must be detailed in the comments section below. If items are not applicable to particular samples or contracts, they should be marked N/A/

COMMENTS: Trip blanks used for temps. 4 of 4 vols for AA0001 contain headspace. 2 of 3 vols for AA2016 contain headspace. 1 of 2 vols for 10182000 contain headspace

Checklist Completed By: [initials]

Date: 10/23/00

SOP No: F.2V10

Sample Preservation Check Documentation Form

WORK ORDER: 10121

IT - PLUM BRK

Parameter:	Metals	Phenol	TPH O&G	Classical Parameters	Cyanide	Sulfide	Radiology	
Preservative:	HNO3	H2SO4	H2SO4	H2SO4	NaOH	NaOH	H2SO4	Other Preservations
pH Value	<2	<2	<2	<2	>12	>9	<2	
CLIENT I.D.								
AA9001	1							
AA2016	1							

Sample Preservation Check Performed By: 4

Date: 10/23/00