SOUTHWESTNAVFACENGCOM
Code 06CC.LMH
Telephone: (619) 532-0783/Fax (619) 532-0780

N60211_000232
CROWS LANDING
SSIC NO. 5090.3.A

File: clbctfax3.doc

# TRANSMITTAL

Date: 27 September 2000

From: Lynn Marie Hornecker LMH

**To:** **Marianna Potacka**
**BRAC Environmental Coordinator**
**Southwest Division, Naval Facilities Engineering Command**
**BRAC Operations Office**
**1220 Pacific Highway**
**San Diego, California 92132-5190**

**James Barton**
**California Regional Water Quality Control Board**
**Central Valley Region, Sacramento Office**
**3443 Routier Road, Suite A**
**Sacramento, California 95827-3003**

**Francesca D'Onofrio**
**California Department of Toxic Substances Control**
**Office of Military Facilities**
**Sacramento, California**

Subj: Technical Information Package
July 2000 Groundwater Sampling Activities
National Aeronautics and Space Administration (NASA)
Crows Landing Flight Facility

Transmitted as a supplement to the September 2000 Interim Status Report is technical information pertaining to the groundwater sampling activities at NASA Crows Landing Flight Facility.

Transmitted are a sketch showing the locations of the wells that were sampled in July 2000, the table from the work plan identifying the wells to be sampled, the chain of custody documentation, and the laboratory test reports.

Attachment:
Technical Information Package

CF:
Brad Hicks (Stanislaus County)
Sandy Olliges (NASA)
Project File (Crows Landing)

SOUTHWESTNAVFACENGCOM
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File: cladminrectrltr.doc

# TRANSMITTAL

Date: 12 October 2000

From: Lynn Marie Hornecker LMH

To: Diane Silva
Code 01LS.DS

**Subj: CERCLA Administrative Record Materials**
NALF **Crows Landing**

***Installation***: Naval Auxiliary Landing Field, Crows Landing

***UIC Number***: N60211

***Document Title (or subject)***: Transmittal dated 27 September 2000 Subject: Technical Information Package, July 2000 Groundwater Sampling Activities, NASA Crows Landing Flight Facility

***Author***: Lynn Marie Hornecker SWDIV

***Recipient***: ~~Jim Barton~~ James Barton, RWQCB
Francesca D'Onofrio, DTSC

***Record Date***: 27 September 2000

***Approximate Number of Pages***: 100

***EPA Category***: 01.1

***Sites***: UST Cluster 1

***Key Words***: VOCs

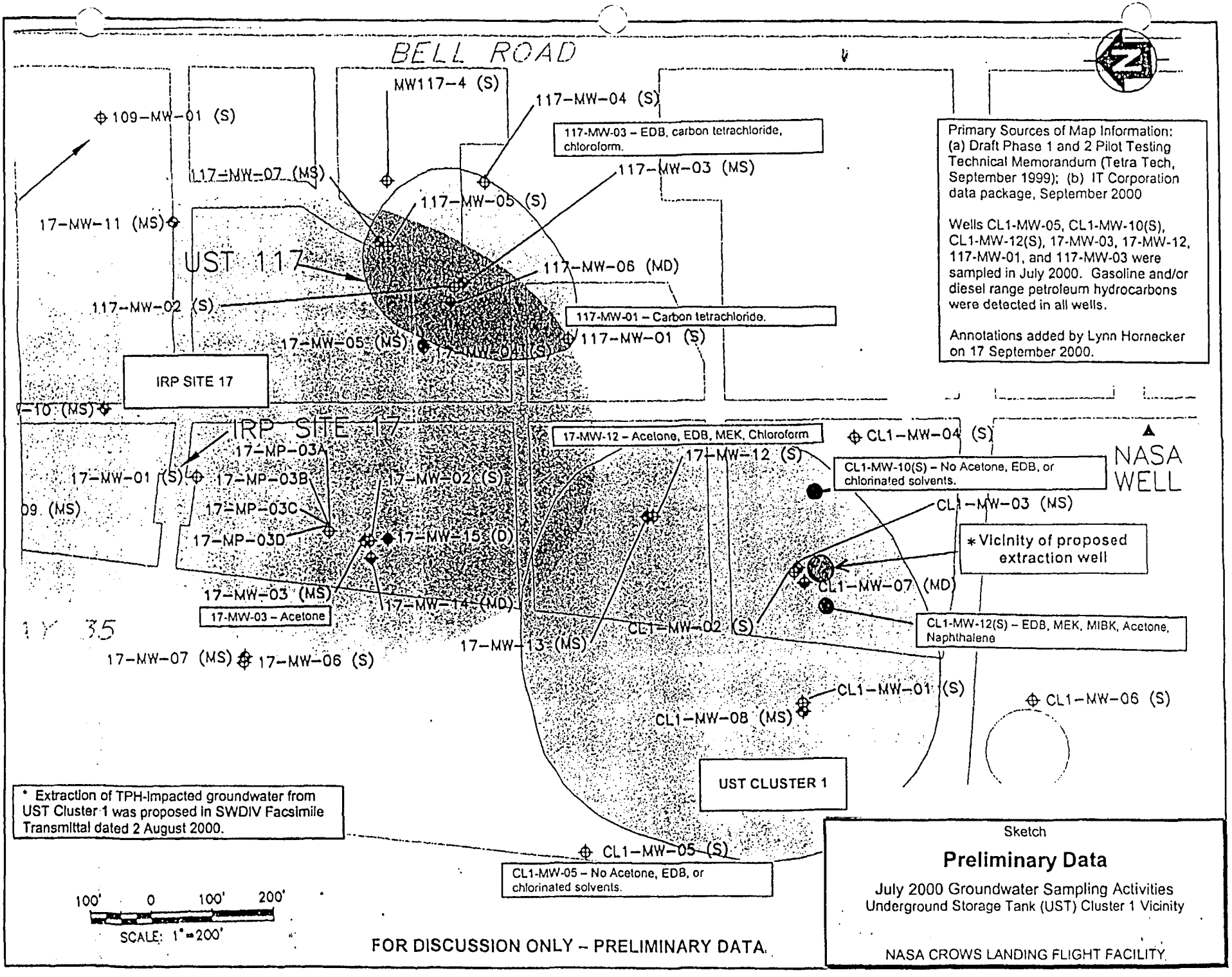
***Contract***: N/A

***CTO Number***: N/A

**Table 2-1**
**Groundwater Wells for Baseline Sampling**

| Well ID | Screened Interval (ft bgs[a]) | Diameter (inches) | Notes |
|---|---|---|---|
| 17-MW-12 | 50 - 75 | 2 | within UST Cluster 1 GW plume; 1,2-DCA and chloroform detected previously |
| CL1-MW-05 | 50 - 75 | 2 | within UST Cluster 1 GW plume |
| 17-MW-03 | 97 - 107 | 2 | within IRP Site 17 GW plume (north of UST Cluster 1) |
| 117-MW-03 | 97 - 107 | 2 | within UST 117 GW plume (northeast of UST Cluster 1) |
| 117-MW-01 | 50 - 75 | 2 | near UST 117 GW plume (between UST 117 and UST Cluster 1) |
| CL1-MW-12(S) | 43 - 68 | 2 | within UST Cluster 1 GW plume |
| CL1-MW-10(S) | 45 - 70 | 2 | within UST Cluster 1 GW plume |

[a] *ft bgs - feet below ground surface*




Primary Sources of Map Information: (a) Draft Phase 1 and 2 Pilot Testing Technical Memorandum (Tetra Tech, September 1999); (b) IT Corporation data package, September 2000

Wells CL1-MW-05, CL1-MW-10(S), CL1-MW-12(S), 17-MW-03, 17-MW-12, 117-MW-01, and 117-MW-03 were sampled in July 2000. Gasoline and/or diesel range petroleum hydrocarbons were detected in all wells.

Annotations added by Lynn Hornecker on 17 September 2000.

* Extraction of TPH-impacted groundwater from UST Cluster 1 was proposed in SWDIV Facsimile Transmittal dated 2 August 2000.

Sketch

**Preliminary Data**

July 2000 Groundwater Sampling Activities
Underground Storage Tank (UST) Cluster 1 Vicinity

NASA CROWS LANDING FLIGHT FACILITY

FOR DISCUSSION ONLY – PRELIMINARY DATA

Table 1 Summary of Analytical Results Crows Landing Baseline Sampling

| Sample ID | CL1-MW-05 | 117-MW-01 | CL1-MW-1[illegible] | CL1-MW-12S | 17-MW-12 | 117-MW-03 | [illegible]MW-03 |
|---|---|---|---|---|---|---|---|
| Date Collected | 07/27/2000 | 07/27/2000 | 07/27/2000 | 07/27/2000 | 07/27/2000 | 07/27/2000 | 07/27/2000 |
| Analysis | | | | | | | |
| EPA 8260A | Concentration, ug/L | | | | | | |
| 1,1,1,2-Tetrachloroethane | 0.5U | 0.5U | 0.5U | 50U (50U) | 0.5U | 0.5U | 0.5U |
| 1,1,1-Trichloroethane | 0.5U | 0.5U | 0.5U | 50U (50U) | 0.5U | 0.5U | 0.5U |
| 1,1,2,2-Tetrachloroethane | 0.5U | 0.5U | 0.5U | 50U (50U) | 0.5U | 0.5U | 0.5U |
| 1,1,2-Trichloroethane | 0.5U | 0.5U | 0.5U | 50U (50U) | 0.5U | 0.5U | 0.5U |
| 1,1-Dichloroethane | 0.5U | 0.5U | 0.5U | 50U (50U) | 0.5U | 0.5U | 0.5U |
| 1,1-Dichloroethene | 0.5U | 0.5U | 0.5U | 50U (50U) | 0.5U | 0.5U | 0.5U |
| 1,1-Dichloropropene | 0.5U | 0.5U | 0.5U | 50U (50U) | 0.5U | 0.5U | 0.5U |
| 1,2,3-trichlorobenzene | 0.5U | 0.5U | 0.5U | 50U (50U) | 0.5U | 0.5U | 0.5U |
| 1,2,3-Trichloropropane | 0.5U | 0.5U | 0.5U | 50U (50U) | 0.5U | 0.5U | 0.5U |
| 1,2,4-Trichlorobenzene | 0.5U | 0.5U | 0.5U | 50U (50U) | 0.5U | 0.5U | 0.5U |
| 1,2,4-Trimethylbenzene | 0.5U | 0.5U | 0.5U | 50U (50U) | 0.5U | 0.5U | 0.5U |
| 1,2-Dibromo-3-chloropropane | 0.5U | 0.5U | 0.5U | 50U (50U) | 0.5U | 0.5U | 0.5U |
| 1,2-Dichlorobenzene | 0.5U | 0.5U | 0.5U | 50U (50U) | 0.5U | 0.5U | 0.5U |
| 1,2-Dichloroethane | 0.5U | 0.5U | 0.5U | 50U (50U) | **8.22** | 0.5U | 0.5U |
| 1,2-Dichloropropane | 0.5U | 0.5U | 0.5U | 50U (50U) | 0.5U | 0.5U | 0.5U |
| 1,3,5-Trimethylbenzene | 0.5U | 0.5U | 0.5U | 50U (50U) | 0.5U | 0.5U | 0.5U |
| 1,3-Dichlorobenzene | 0.5U | 0.5U | 0.5U | 50U (50U) | 0.5U | 0.5U | 0.5U |
| 1,4-Dichlorobenzene | 0.5U | 0.5U | 0.5U | 50U (50U) | 0.5U | 0.5U | 0.5U |
| 1,3-Dichloropropane | 0.5U | 0.5U | 0.5U | 50U (50U) | 0.5U | 0.5U | 0.5U |
| 2,2-Dichloropropane | 0.5U | 0.5U | 0.5U | 50U (50U) | 0.5U | 0.5U | 0.5U |
| 2-Chlorotoluene | 0.5U | 0.5U | 0.5U | 50U (50U) | 0.5U | 0.5U | 0.5U |
| 4-Chlorotoluene | 0.5U | 0.5U | 0.5U | 50U (50U) | 0.5U | 0.5U | 0.5U |
| 4-Isopropyltoluene | 0.5U | 0.5U | 0.5U | 50U (50U) | 0.5U | 0.5U | 0.5U |
| 2-Hexanone | 5U | 5U | 5U | 500U (500U) | 5U | 5U | 5U |
| 4-Methyl-2-pentanone | 5U | 5U | 5U | **3560 (2270)** | 5U | 5U | 5U |
| Acetone | 5U | 5U | 5U | **68400 (59600)** | **614** | 5U | **14.3** |
| Benzene | 0.5U | 0.5U | **16.5** | **22400 (70400)** | **104** | **19.4** | **42.2** |
| Bromobenzene | 0.5U | 0.5U | 0.5U | 50U (50U) | 0.5U | 0.5U | 0.5U |
| Bromochloromethane | 0.5U | 0.5U | 0.5U | 50U (50U) | 0.5U | 0.5U | 0.5U |
| Bromodichloromethane | 0.5U | 0.5U | 0.5U | 50U (50U) | 0.5U | 0.5U | 0.5U |
| Bromoform | 0.5U | 0.5U | 0.5U | 50U (50U) | 0.5U | 0.5U | **0.65** |
| Bromomethane | 0.5U | 0.5U | 0.5U | 50U (50U) | 0.5U | 0.5U | 0.5U |
| Carbon disulfide | 0.5U | 0.5U | 0.5U | 50U (50U) | **0.59** | 0.5U | **0.56** |
| Carbon tetrachloride | 0.5U | **1.06** | 0.5U | 50U (50U) | 0.5U | **1.26** | **131** |
| Chlorobenzene | 0.5U | 0.5U | 0.5U | 50U (50U) | 0.5U | 0.5U | 0.5U |
| Chloroethane | 0.5U | 0.5U | 0.5U | 50U (50U) | 0.5U | 0.5U | 0.5U |
| Chloroform | 0.5U | 0.5U | 0.5U | 50U (50U) | **13.7** | **4.43** | **13.7** |
| Chloromethane | 0.5U | 0.5U | 0.5U | 50U (50U) | 0.5U | 0.5U | 0.5U |
| Dibromochloromethane | 0.5U | 0.5U | 0.5U | 50U (50U) | 0.5U | 0.5U | 0.5U |
| Dibromomethane | 0.5U | 0.5U | 0.5U | 50U (50U) | 0.5U | 0.5U | 0.5U |

**Table 1 Summary of Analytical Results Crows Landing Baseline Sampling**

| Sample ID | CL1-MW-05 | 117-MW-01 | CL1-MW-10S | CL1-MW-12S | 17-MW-12 | 117-MW-03 | [illegible]MW-03 |
|---|---|---|---|---|---|---|---|
| Date Collected | 07/27/2000 | 07/27/2000 | 07/27/2000 | 07/27/2000 | 07/27/2000 | 07/27/2000 | 07/27/2000 |
| Analysis | | | | | | | |
| EPA 8260 *cont.* | | | | Concentration, ug/L | | | |
| Dichlorodifluoromethane | 0.5U | 0.5U | 0.5U | 50U (50U) | 0.5U | 0.5U | 0.5U |
| Ethylbenzene | 0.5U | 0.5U | 0.5U | **314 (280)** | **1.25** | **1.01** | **1.1** |
| Ethylene Dibromide | 0.5U | 0.5U | 0.5U | **5080 (4000)** | **15.6** | **2.65** | **7.58** |
| hexachlorobuatdiene | 0.5U | 0.5U | 0.5U | 50U (50U) | 0.5U | 0.5U | 0.5U |
| Isopropylbenzene | 0.5U | 0.5U | 0.5U | **1480 (1400)** | **4.74** | **4.34** | **4.5** |
| MEK | 5U | 5U | 5U | **75400 (70400)** | **746** | 5U | 5U |
| MTBE | 0.5U | 0.5U | 0.5U | 50U (50U) | 0.5U | 0.5U | 0.5U |
| Methylene chloride | 0.5U | **0.57** | **0.5** | **56 (52)** | **1.01** | 0.5U | **0.58** |
| Naphthalene | 0.5U | 0.5U | 0.5U | **97 (64)** | **1.6** | 0.5U | **0.52** |
| Sec-Butylbenzene | 0.5U | 0.5U | 0.5U | 50U (50U) | 0.5U | 0.5U | 0.5U |
| Styrene | 0.5U | 0.5U | 0.5U | 50U (50U) | 0.5U | 0.5U | 0.5U |
| Tetrachloroethene | 0.5U | 0.5U | 0.5U | 50U (50U) | 0.5U | 0.5U | 0.5U |
| Toluene | 0.5U | 0.5U | 0.5U | **5540 (4840)** | **24.1** | **9.84** | **18.3** |
| Trichloroethene | 0.5U | 0.5U | 0.5U | 50U (50U) | 0.5U | 0.5U | 0.5U |
| Trichlorofluoromethane | 0.5U | 0.5U | 0.5U | 50U (50U) | 0.5U | 0.5U | 0.5U |
| Vinyl chloride | 0.5U | 0.5U | 0.5U | 50U (50U) | 0.5U | 0.5U | 0.5U |
| cis-1,2-Dichloroethene | 0.5U | 0.5U | 0.5U | 50U (50U) | 0.5U | 0.5U | 0.5U |
| m/p-Xylene | 0.5U | 0.5U | 0.5U | **387 (310)** | **1.86** | **2.41** | **2.19** |
| n-Butylbenzene | 0.5U | 0.5U | 0.5U | 50U (50U) | 0.5U | 0.5U | 0.5U |
| n-Propylbenzene | 0.5U | 0.5U | 0.5U | 50U (50U) | 0.5U | 0.5U | 0.5U |
| o-Xylene | 0.5U | 0.5U | 0.5U | **517 (480)** | **2.14** | **1.69** | **1.87** |
| tert-Butylbenzene | 0.5U | 0.5U | 0.5U | 50U (50U) | 0.5U | 0.5U | 0.5U |
| trans-1,2-Dichloroethene | 0.5U | 0.5U | 0.5U | 50U (50U) | 0.5U | 0.5U | 0.5U |
| EPA 8015 | | | | Concentration, ug/L | | | |
| TPH as gasoline | 129 | 100U | **161** | **22000 (256000)** | **362** | 100U | **303** |
| TPH as diesel | **290** | **72** | **287** | **398000 (325000)** | **501** | **275** | **389** |
| TPH as motor oil | 50 U | 51 U | 52 U | 51.5U (52.1U) | 52U | 50U | 50U |

*U qualifier indicates that the analyte was not detected at the specified detection limit*

*J qualifier indicates that the analyte was positively identified but the associated numerical value is below the reporting limit (RL).*

*Results shown in ( ) indicate duplicate sample results.*

# Analytical Report For 7194

for

## IT Corporation

**Project Manager: Rose Condit**

**Project Name : NASA Crows Landing Flight Facility**

**August 24, 2000**

***GPL***

*Laboratories*

Laboratory Director

Project Manager

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



TOTAL # OF PAGES : 46

the i group

# ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD*

Reference Document No. 574007
Page 1 of 2

Project Name/No. 1 Crows Landing 800063
Sample Team Members 2 R. Condit
Profit Center No. 3
Project Manager 4 B. Hulet
Purchase Order No. 6
Required Report Date 11

Samples Shipment Date 7 ~~GPL~~ 7/28/00
Lab Destination 8 GPL
Lab Contact 9 Bill Lock
Project Contact/Phone 12 R. Condit 925-288-2157
Carrier/Waybill No. 13

Bill to: 5 IT-Concord
4005 Port Chicago Hwy
Concord CA
94520

Report to: 10 IT-Concord
Attn. Rose Condit

**ONE CONTAINER PER LINE**

| Sample Number 14 | Sample Description/Type 15 | Date/Time Collected 16 | Container Type 17 | Sample Volume 18 | Pre-servative 19 | Requested Testing Program 20 | Condition on Receipt 21 | Disposal Record No. 22 |
|---|---|---|---|---|---|---|---|---|
| CL1-MW-05 | Groundwater | 7/27/00 1005 | | 5 VOA 2 Liters | HCL None | VOC-8260 + MTBE TPH-Gas + J.F TPH-Diesel + Motor Oil | | |
| 117-MW-01 | Monitoring | 1217 | | 4 Liters 9 VOA | | | *MS/MSD | FOR LAB USE ONLY |
| CL1-MW-10S | | ← | 1643 | 5 VOA 2 Liter | | | | |
| CL1 MW-12S | | ← | 1740 | | | | | |
| CL99-1 | | ← | 1745 | | | | | FOR LAB USE ONLY |
| 17MW12 | | ← | 1533 | | | | | |
| 17 MW 03 | | 1900 | | | | | | |
| Rinse Blank | | 7/27/00 1045 | | | | | | |

Special Instructions: 23 Level IV Data Package

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):

| | | | |
|---|---|---|---|
| 1. Relinquished by 28 (Signature/Affiliation) [signature] | Date: 7/28/00 Time: | 1. Received by 28 (Signature/Affiliation) Fed Ex | Date: 7/28/00 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: Time: |

Comments: 29 Use 117-MW-01 for MS/MSD

White: To accompany samples
Yellow: Field copy
*See back of form for special instructions.

MCA 3/15/91

INTERNATIONAL TECHNOLOGY CORPORATION

# ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD (cont.)*

Reference Document No. 574007
Page 2 of 2

Project Name Crows Landing 800063

Project No. 800063

Samples Shipment Date 7/28/00

**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. |
|---|---|---|---|---|---|---|---|---|
| 117-MW-03 | | 7/28/00 2000 | 2L 5VOA | | None HCL | VOC 8260 + MTBE Diesel + Motor Oil GAS + Jet Fuel by 8015 | | |
| Triplank | | | VOA | | HCL | VOC 8260 TPH GAS + Jet Fuel | | |

White: To accompany samples
Yellow: Field copy
See back of form for special instructions.

MCA 3-15-91

00 045

*GPL Laboratories, LLLP*

Figure 1
SAMPLE RECEIPT CHECKLIST

W.O. No: 7191

Client Name: H Group

Date Received: 8-1-00

Time Received: 10:15

Received By: D. Turner

Carrier Name: [illegible]

Prepared (Logged In) By: / (Initials Date)

Project: Cross Landing 800063

Site:

VOA Holding Blank I.D. No:

| | YES | NO |
|---|---|---|
| Airbill/Manifest Present? | ✓ | |
| No. 820507847296 | | |
| 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 68 | | |
| Total Number of Samples 10 | | |
| 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 2 | ✓ | |
| VOA Vials Have Zero Headspace? | ✓ | |
| Preservatives Added to Sample? | | ✓ |
| pH Check Required? | | |
| Performed By? ____ | | ✓ |
| Ice Present in Shipping Container? | ✓ | |

| Container # | Temp. | Container # | Temp. |
|---|---|---|---|
| 1 | 4.0 | 2 | 4.0 |

D. Turner 8-1-00

Project Manager Contacted?
Name: Bill Hoke
Date Contacted: 8-1-00

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 CL99-1 was received broken. Also sample # 17MW03 was received broken. The rinse blanks in the liter ambers were not received. The Trip blanks has no identification on them. Each of the broken samples have a duplicate bottle in good condition.

Checklist Completed By: D. Turner

Date: [illegible]

SOP No: F.2V10

GPL

Laboratories

# CASE NARRATIVE

CLIENT: IT CORPORATION
PROJECT/SITE: NASA CROWS LANDING FLIGHT FACILITY
WORK ORDER(S): 7194
REVIEW DATE: 08/24/00

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

Ten water samples were received on 08/01/2000. The sample was delivered by Federal Express. Several of the sample bottles were received broken, however there were duplicate bottles provided. A sample bottle for DRO analysis on the Rinse Blank was not received. 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. The samples were analyzed for volatile organic using 8260B methodologies.

2. Percent surrogate recoveries of samples 17MW12, 17MW03, CL1-MW-12S and 117-MW-03 were outside established QC limits in the initial analysis. The samples were reanalyzed within holding time.

3. Samples CL1-MW-12s and CL99-1 were diluted in the initial analysis. Further dilutions were performed with these samples to bring the target analytes within the calibration limits. Both initial and final results were submitted with this package.

4. Samples 17MW12 and 17MW03 were diluted in the reanalysis within holding time. Both initial and final results were submitted with this package. For sample 17MW12, data was reported from initial analysis due to over dilution of the re-analysis.

5. The matrix spike and matrix spike duplicate analyses were performed on sample 117-MW-01. Percent recovery of chlorobenzene was outside QC limits in the MS analysis. Percent RPD of chlorobenzene was outside QC limit as well.

6. Linearity was not achievable for acetone in the initial calibration curve report, 86_25W14.M. The lowest calibration level reported for acetone was 2 ug/L.

7. A 0.5ug/L standard was ran on August 03, 2000, file number E21307.D, after the continuing calibration. The quantitation report was submitted with this package.

GPL

Laboratories

# CASE NARRATIVE

CLIENT: IT CORPORATION
PROJECT/SITE: NASA CROWS LANDING FLIGHT FACILITY
WORK ORDER(S): 7194
REVIEW DATE: 08/24/00

## TPH-DRO

1. Eight water samples were extracted and analyzed for Diesel Range Organics using method 8015.

2. A portion of the sample extract for 17MW03 was lost during the extraction process due to a laboratory accident. The loss occurred prior to bringing the extract to final volume.

3. MS/MSD was performed on sample 117-MW-01. A laboratory control sample (LCS) was extracted and analyzed with the samples.

4. Surrogate recovery for sample 117-MW01 was outside QC limits. Also there was no surrogate recoveries for diluted samples CL1-MW-12S and CL99-1.

5. Continuing Calibration M03483 had Terphenyl-d14 recovery outside QC limits.

6. All other analyses met QC criteria.

## TPH- GRO

1. Nine water samples were received and analyzed for Gasoline Range Organics using EPA modified method 8015M.

2. Matrix spike and duplicate analyses were performed on sample 117-MW-01. All recoveries were within QC limits.

3. Surrogate recoveries were within QC limits.

4. Due to high level of target compounds the following samples were run at dilution x200, CL-MW-12S and CL99-1.

5. Due to carry over from previous samples, the following samples were rerun on 8/11/00 outside holding time; 17MW03, RINSE BLANK and 117-MW-03. Both results were submitted. Data were reported from the initial analysis for samples 17MW03 and 117-MW-03. Data was reported from the reanalysis for sample RINSE BLANK.

6. Two laboratory control samples (LCS) were submitted with this package.

Project Manager

Lab Director

## Summary of Analytical Results

Client ID CL1-MW-05
GPL ID: 7194-001-02-2/3
Matrix: Water
Date Collected: Jul-27-2000
Date Received: Aug-01-2000

Prep Method: SW5030LL
Prep Date: Aug-04-2000
Prep Time: 07:39
Prep Chemist: Jannina S. Bryan

Analytical Method: SW8260LL_TCL
Date Analyzed: Aug-04-2000
Time Analyzed 14:37
Analyst: Alganesh Debesai

| Parameter | Result | Rep Limit | Units | Qualifier | D.F. |
|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | BQL | 0.5 | ug/L | U | 1 |
| 1,1,1-Trichloroethane | BQL | 0.5 | ug/L | U | 1 |
| 1,1,2,2-Tetrachloroethane | BQL | 0.5 | ug/L | U | 1 |
| 1,1,2-Trichloroethane | BQL | 0.5 | ug/L | U | 1 |
| 1,1-Dichloroethane | BQL | 0.5 | ug/L | U | 1 |
| 1,1-Dichloroethene | BQL | 0.5 | ug/L | U | 1 |
| 1,1-Dichloropropene | BQL | 0.5 | ug/L | U | 1 |
| 1,2,3-Trichlorobenzene | BQL | 0.5 | ug/L | U | 1 |
| 1,2,3-Trichloropropane | BQL | 0.5 | ug/L | U | 1 |
| 1,2,4-Trichlorobenzene | BQL | 0.5 | ug/L | U | 1 |
| 1,2,4-Trimethylbenzene | BQL | 0.5 | ug/L | U | 1 |
| 1,2-Dibromo-3-Chloropropane | BQL | 0.5 | ug/L | U | 1 |
| 1,2-Dichlorobenzene | BQL | 0.5 | ug/L | U | 1 |
| 1,2-Dichloroethane | BQL | 0.5 | ug/L | U | 1 |
| 1,2-Dichloropropane | BQL | 0.5 | ug/L | U | 1 |
| 1,3,5-trimethylbenzene | BQL | 0.5 | ug/L | U | 1 |
| 1,3-Dichlorobenzene | BQL | 0.5 | ug/L | U | 1 |
| 1,3-Dichloropropane | BQL | 0.5 | ug/L | U | 1 |
| 1,4-Dichlorobenzene | BQL | 0.5 | ug/L | U | 1 |
| 2,2-Dichloropropane | BQL | 0.5 | ug/L | U | 1 |
| 2-Chlorotoluene | BQL | 0.5 | ug/L | U | 1 |
| 2-Hexanone | BQL | 5 | ug/L | U | 1 |
| 4-Chlorotoluene | BQL | 0.5 | ug/L | U | 1 |
| 4-Isopropyltoluene | BQL | 0.5 | ug/L | U | 1 |
| 4-Methyl-2-Pentanone | BQL | 5 | ug/L | U | 1 |
| Acetone | BQL | 5 | ug/L | U | 1 |
| Benzene | BQL | 0.5 | ug/L | U | 1 |
| Bromobenzene | BQL | 0.5 | ug/L | U | 1 |
| Bromochloromethane | BQL | 0.5 | ug/L | U | 1 |
| Bromodichloromethane | BQL | 0.5 | ug/L | U | 1 |
| Bromoform | BQL | 0.5 | ug/L | U | 1 |
| Bromomethane | BQL | 0.5 | ug/L | U | 1 |
| Carbon Disulfide | BQL | 0.5 | ug/L | U | 1 |
| Carbon Tetrachloride | BQL | 0.5 | ug/L | U | 1 |
| Chlorobenzene | BQL | 0.5 | ug/L | U | 1 |
| Chloroethane | BQL | 0.5 | ug/L | U | 1 |
| Chloroform | BQL | 0.5 | ug/L | U | 1 |
| Chloromethane | BQL | 0.5 | ug/L | U | 1 |
| Dibromochloromethane | BQL | 0.5 | ug/L | U | 1 |

## Summary of Analytical Results

Client ID CL1-MW-05
GPL ID: 7194-001-02-2/3
Matrix: Water
Date Collected: Jul-27-2000
Date Received: Aug-01-2000

Prep Method: SW5030LL
Prep Date: Aug-04-2000
Prep Time: 07:39
Prep Chemist: Jannina S. Bryan

Analytical Method: SW8260LL_TCL
Date Analyzed: Aug-04-2000
Time Analyzed 14:37
Analyst: Alganesh Debesai

| Parameter | Result | Rep Limit | Units | Qualifier | D.F. |
|---|---|---|---|---|---|
| Dibromomethane | BQL | 0.5 | ug/L | U | 1 |
| Dichlorodifluoromethane | BQL | 0.5 | ug/L | U | 1 |
| Ethylbenzene | BQL | 0.5 | ug/L | U | 1 |
| Ethylene DiBromide | BQL | 0.5 | ug/L | U | 1 |
| Hexachlorobutadiene | BQL | 0.5 | ug/L | U | 1 |
| Isopropylbenzene | BQL | 0.5 | ug/L | U | 1 |
| MEK | BQL | 5 | ug/L | U | 1 |
| MTBE | BQL | 0.5 | ug/L | U | 1 |
| Methylene Chloride | 0.550 | 0.5 | ug/L | | 1 |
| Naphthalene | BQL | 0.5 | ug/L | U | 1 |
| Sec-Butylbenzene | BQL | 0.5 | ug/L | U | 1 |
| Styrene | BQL | 0.5 | ug/L | U | 1 |
| Tetrachloroethylene | BQL | 0.5 | ug/L | U | 1 |
| Toluene | BQL | 0.5 | ug/L | U | 1 |
| Trichloroethene | BQL | 0.5 | ug/L | U | 1 |
| Trichlorofluoromethane | BQL | 0.5 | ug/L | U | 1 |
| Vinyl Chloride | BQL | 0.5 | ug/L | U | 1 |
| cis-1,2-Dichloroethene | BQL | 0.5 | ug/L | U | 1 |
| m,p-Xylenes | BQL | 0.5 | ug/L | U | 1 |
| n-Butylbenzene | BQL | 0.5 | ug/L | U | 1 |
| n-Propylbenzene | BQL | 0.5 | ug/L | U | 1 |
| o-Xylene | BQL | 0.5 | ug/L | U | 1 |
| tert-Butylbenzene | BQL | 0.5 | ug/L | U | 1 |
| trans-1,2-dichloroethene | BQL | 0.5 | ug/L | U | 1 |

# GPL LABORATORIES, LLLP

## Summary of Analytical Results

Client ID CL1-MW-05
GPL ID: 7194-001-04-1/2
Matrix: Water
Date Collected: Jul-27-2000
Date Received: Aug-01-2000

Prep Method: SW5030B
Prep Date: Aug-17-2000
Prep Time: 13:50
Prep Chemist: Roy Colleton

Analytical Method: SW8015GRO
Date Analyzed: Aug-08-2000
Time Analyzed 16:29
Analyst: Roy Colleton

| Parameter | Result | Rep Limit | Units | Qualifier | D.F. |
|---|---|---|---|---|---|
| TPH-GRO (Gasoline Range Organics) | 129 | 100 | ug/L | | 1 |
| Total Unknown | BQL | 100 | ug/L | U | 1 |



Replacement Pg
0006

## Summary of Analytical Results

Client ID CL1-MW-05
GPL ID: 7194-001-06-1/2
Matrix: Water
Date Collected: Jul-27-2000
Date Received: Aug-01-2000

Prep Method: SW3520C
Prep Date: Aug-02-2000
Prep Time: 18:46
Prep Chemist: Reynaldo Caraan

Analytical Method: SW8015DRO
Date Analyzed: Aug-07-2000
Time Analyzed 11:37
Analyst: Philipos Yosief

| Parameter | Result | Rep Limit | Units | Qualifier | D.F. |
|---|---|---|---|---|---|
| Motor Oil | BQL | 0.05 | mg/L | U | 1 |
| TPH-DRO (Diesel Range Organics) | 0.290 | 0.05 | mg/L | | 1 |

## Summary of Analytical Results

Client ID 117-MW-01
GPL ID: 7194-002-01-1/5
Matrix: Water
Date Collected: Jul-27-2000
Date Received: Aug-01-2000

Prep Method: SW5030LL
Prep Date: Aug-03-2000
Prep Time: 07:05
Prep Chemist: Jannina S. Bryan

Analytical Method: SW8260LL_TCL
Date Analyzed: Aug-03-2000
Time Analyzed 12:23
Analyst: Alganesh Debesai

| Parameter | Result | Rep Limit | Units | Qualifier | D.F. |
|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | BQL | 0.5 | ug/L | U | 1 |
| 1,1,1-Trichloroethane | BQL | 0.5 | ug/L | U | 1 |
| 1,1,2,2-Tetrachloroethane | BQL | 0.5 | ug/L | U | 1 |
| 1,1,2-Trichloroethane | BQL | 0.5 | ug/L | U | 1 |
| 1,1-Dichloroethane | BQL | 0.5 | ug/L | U | 1 |
| 1,1-Dichloroethene | BQL | 0.5 | ug/L | U | 1 |
| 1,1-Dichloropropene | BQL | 0.5 | ug/L | U | 1 |
| 1,2,3-Trichlorobenzene | BQL | 0.5 | ug/L | U | 1 |
| 1,2,3-Trichloropropane | BQL | 0.5 | ug/L | U | 1 |
| 1,2,4-Trichlorobenzene | BQL | 0.5 | ug/L | U | 1 |
| 1,2,4-Trimethylbenzene | BQL | 0.5 | ug/L | U | 1 |
| 1,2-Dibromo-3-Chloropropane | BQL | 0.5 | ug/L | U | 1 |
| 1,2-Dichlorobenzene | BQL | 0.5 | ug/L | U | 1 |
| 1,2-Dichloroethane | BQL | 0.5 | ug/L | U | 1 |
| 1,2-Dichloropropane | BQL | 0.5 | ug/L | U | 1 |
| 1,3,5-trimethylbenzene | BQL | 0.5 | ug/L | U | 1 |
| 1,3-Dichlorobenzene | BQL | 0.5 | ug/L | U | 1 |
| 1,3-Dichloropropane | BQL | 0.5 | ug/L | U | 1 |
| 1,4-Dichlorobenzene | BQL | 0.5 | ug/L | U | 1 |
| 2,2-Dichloropropane | BQL | 0.5 | ug/L | U | 1 |
| 2-Chlorotoluene | BQL | 0.5 | ug/L | U | 1 |
| 2-Hexanone | BQL | 5 | ug/L | U | 1 |
| 4-Chlorotoluene | BQL | 0.5 | ug/L | U | 1 |
| 4-Isopropyltoluene | BQL | 0.5 | ug/L | U | 1 |
| 4-Methyl-2-Pentanone | BQL | 5 | ug/L | U | 1 |
| Acetone | BQL | 5 | ug/L | U | 1 |
| Benzene | BQL | 0.5 | ug/L | U | 1 |
| Bromobenzene | BQL | 0.5 | ug/L | U | 1 |
| Bromochloromethane | BQL | 0.5 | ug/L | U | 1 |
| Bromodichloromethane | BQL | 0.5 | ug/L | U | 1 |
| Bromoform | BQL | 0.5 | ug/L | U | 1 |
| Bromomethane | BQL | 0.5 | ug/L | U | 1 |
| Carbon Disulfide | BQL | 0.5 | ug/L | U | 1 |
| Carbon Tetrachloride | 1.06 | 0.5 | ug/L | | 1 |
| Chlorobenzene | BQL | 0.5 | ug/L | U | 1 |
| Chloroethane | BQL | 0.5 | ug/L | U | 1 |
| Chloroform | BQL | 0.5 | ug/L | U | 1 |
| Chloromethane | BQL | 0.5 | ug/L | U | 1 |
| Dibromochloromethane | BQL | 0.5 | ug/L | U | 1 |



0 8

## Summary of Analytical Results

Client ID 117-MW-01
GPL ID: 7194-002-01-1/5
Matrix: Water
Date Collected: Jul-27-2000
Date Received: Aug-01-2000

Prep Method: SW5030LL
Prep Date: Aug-03-2000
Prep Time: 07:05
Prep Chemist: Jannina S. Bryan

Analytical Method: SW8260LL_TCL
Date Analyzed: Aug-03-2000
Time Analyzed 12:23
Analyst: Alganesh Debesai

| Parameter | Result | Rep Limit | Units | Qualifier | D.F. |
|---|---|---|---|---|---|
| Dibromomethane | BQL | 0.5 | ug/L | U | 1 |
| Dichlorodifluoromethane | BQL | 0.5 | ug/L | U | 1 |
| Ethylbenzene | BQL | 0.5 | ug/L | U | 1 |
| Ethylene DiBromide | BQL | 0.5 | ug/L | U | 1 |
| Hexachlorobutadiene | BQL | 0.5 | ug/L | U | 1 |
| Isopropylbenzene | BQL | 0.5 | ug/L | U | 1 |
| MEK | BQL | 5 | ug/L | U | 1 |
| MTBE | BQL | 0.5 | ug/L | U | 1 |
| Methylene Chloride | 0.570 | 0.5 | ug/L | | 1 |
| Naphthalene | BQL | 0.5 | ug/L | U | 1 |
| Sec-Butylbenzene | BQL | 0.5 | ug/L | U | 1 |
| Styrene | BQL | 0.5 | ug/L | U | 1 |
| Tetrachloroethylene | BQL | 0.5 | ug/L | U | 1 |
| Toluene | BQL | 0.5 | ug/L | U | 1 |
| Trichloroethene | BQL | 0.5 | ug/L | U | 1 |
| Trichlorofluoromethane | BQL | 0.5 | ug/L | U | 1 |
| Vinyl Chloride | BQL | 0.5 | ug/L | U | 1 |
| cis-1,2-Dichloroethene | BQL | 0.5 | ug/L | U | 1 |
| m,p-Xylenes | BQL | 0.5 | ug/L | U | 1 |
| n-Butylbenzene | BQL | 0.5 | ug/L | U | 1 |
| n-Propylbenzene | BQL | 0.5 | ug/L | U | 1 |
| o-Xylene | BQL | 0.5 | ug/L | U | 1 |
| tert-Butylbenzene | BQL | 0.5 | ug/L | U | 1 |
| trans-1,2-dichloroethene | BQL | 0.5 | ug/L | U | 1 |

# GPL LABORATORIES, LLLP

## Summary of Analytical Results

Client ID 117-MW-01
GPL ID: 7194-002-06-1/4
Matrix: Water
Date Collected: Jul-27-2000
Date Received: Aug-01-2000

Prep Method: SW5030B
Prep Date: Aug-17-2000
Prep Time: 13:50
Prep Chemist: Roy Colleton

Analytical Method: SW8015GRO
Date Analyzed: Aug-08-2000
Time Analyzed 17:05
Analyst: Roy Colleton

| Parameter | Result | Rep Limit | Units | Qualifier | D.F. |
|---|---|---|---|---|---|
| TPH-GRO (Gasoline Range Organics) | BQL | 100 | ug/L | U | 1 |
| Total Unknown | BQL | 100 | ug/L | U | 1 |



Replacement Pg
RC
00012

## Summary of Analytical Results

Client ID 117-MW-01
GPL ID: 7194-002-10-1/4
Matrix: Water
Date Collected: Jul-27-2000
Date Received: Aug-01-2000

Prep Method: SW3520C
Prep Date: Aug-02-2000
Prep Time: 18:46
Prep Chemist: Reynaldo Caraan

Analytical Method: SW8015DRO
Date Analyzed: Aug-07-2000
Time Analyzed 12:25
Analyst: Philipos Yosief

| Parameter | Result | Rep Limit | Units | Qualifier | D.F. |
|---|---|---|---|---|---|
| Motor Oil | BQL | 0.051 | mg/L | U | 1 |
| TPH-DRO (Diesel Range Organics) | 0.072 | 0.051 | mg/L | | 1 |

## Summary of Analytical Results

Client ID CL1-MW-10S
GPL ID: 7194-003-01-1/3
Matrix: Water
Date Collected: Jul-27-2000
Date Received: Aug-01-2000

Prep Method: SW5030LL
Prep Date: Aug-03-2000
Prep Time: 07:05
Prep Chemist: Jannina S. Bryan

Analytical Method: SW8260LL_TCL
Date Analyzed: Aug-03-2000
Time Analyzed 14:05
Analyst: Alganesh Debesai

| Parameter | Result | Rep Limit | Units | Qualifier | D.F. |
|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | BQL | 0.5 | ug/L | U | 1 |
| 1,1,1-Trichloroethane | BQL | 0.5 | ug/L | U | 1 |
| 1,1,2,2-Tetrachloroethane | BQL | 0.5 | ug/L | U | 1 |
| 1,1,2-Trichloroethane | BQL | 0.5 | ug/L | U | 1 |
| 1,1-Dichloroethane | BQL | 0.5 | ug/L | U | 1 |
| 1,1-Dichloroethene | BQL | 0.5 | ug/L | U | 1 |
| 1,1-Dichloropropene | BQL | 0.5 | ug/L | U | 1 |
| 1,2,3-Trichlorobenzene | BQL | 0.5 | ug/L | U | 1 |
| 1,2,3-Trichloropropane | BQL | 0.5 | ug/L | U | 1 |
| 1,2,4-Trichlorobenzene | BQL | 0.5 | ug/L | U | 1 |
| 1,2,4-Trimethylbenzene | BQL | 0.5 | ug/L | U | 1 |
| 1,2-Dibromo-3-Chloropropane | BQL | 0.5 | ug/L | U | 1 |
| 1,2-Dichlorobenzene | BQL | 0.5 | ug/L | U | 1 |
| 1,2-Dichloroethane | BQL | 0.5 | ug/L | U | 1 |
| 1,2-Dichloropropane | BQL | 0.5 | ug/L | U | 1 |
| 1,3,5-trimethylbenzene | BQL | 0.5 | ug/L | U | 1 |
| 1,3-Dichlorobenzene | BQL | 0.5 | ug/L | U | 1 |
| 1,3-Dichloropropane | BQL | 0.5 | ug/L | U | 1 |
| 1,4-Dichlorobenzene | BQL | 0.5 | ug/L | U | 1 |
| 2,2-Dichloropropane | BQL | 0.5 | ug/L | U | 1 |
| 2-Chlorotoluene | BQL | 0.5 | ug/L | U | 1 |
| 2-Hexanone | BQL | 5 | ug/L | U | 1 |
| 4-Chlorotoluene | BQL | 0.5 | ug/L | U | 1 |
| 4-Isopropyltoluene | BQL | 0.5 | ug/L | U | 1 |
| 4-Methyl-2-Pentanone | BQL | 5 | ug/L | U | 1 |
| Acetone | BQL | 5 | ug/L | U | 1 |
| Benzene | 16.5 | 0.5 | ug/L | | 1 |
| Bromobenzene | BQL | 0.5 | ug/L | U | 1 |
| Bromochloromethane | BQL | 0.5 | ug/L | U | 1 |
| Bromodichloromethane | BQL | 0.5 | ug/L | U | 1 |
| Bromoform | BQL | 0.5 | ug/L | U | 1 |
| Bromomethane | BQL | 0.5 | ug/L | U | 1 |
| Carbon Disulfide | BQL | 0.5 | ug/L | U | 1 |
| Carbon Tetrachloride | BQL | 0.5 | ug/L | U | 1 |
| Chlorobenzene | BQL | 0.5 | ug/L | U | 1 |
| Chloroethane | BQL | 0.5 | ug/L | U | 1 |
| Chloroform | BQL | 0.5 | ug/L | U | 1 |
| Chloromethane | BQL | 0.5 | ug/L | U | 1 |
| Dibromochloromethane | BQL | 0.5 | ug/L | U | 1 |

## Summary of Analytical Results

Client ID CL1-MW-10S
GPL ID: 7194-003-01-1/3
Matrix: Water
Date Collected: Jul-27-2000
Date Received: Aug-01-2000

Prep Method: SW5030LL
Prep Date: Aug-03-2000
Prep Time: 07:05
Prep Chemist: Jannina S. Bryan

Analytical Method: SW8260LL_TCL
Date Analyzed: Aug-03-2000
Time Analyzed 14:05
Analyst: Alganesh Debesai

| Parameter | Result | Rep Limit | Units | Qualifier | D.F. |
|---|---|---|---|---|---|
| Dibromomethane | BQL | 0.5 | ug/L | U | 1 |
| Dichlorodifluoromethane | BQL | 0.5 | ug/L | U | 1 |
| Ethylbenzene | BQL | 0.5 | ug/L | U | 1 |
| Ethylene DiBromide | BQL | 0.5 | ug/L | U | 1 |
| Hexachlorobutadiene | BQL | 0.5 | ug/L | U | 1 |
| Isopropylbenzene | BQL | 0.5 | ug/L | U | 1 |
| MEK | BQL | 5 | ug/L | U | 1 |
| MTBE | BQL | 0.5 | ug/L | U | 1 |
| Methylene Chloride | 0.500 | 0.5 | ug/L | | 1 |
| Naphthalene | BQL | 0.5 | ug/L | U | 1 |
| Sec-Butylbenzene | BQL | 0.5 | ug/L | U | 1 |
| Styrene | BQL | 0.5 | ug/L | U | 1 |
| Tetrachloroethylene | BQL | 0.5 | ug/L | U | 1 |
| Toluene | BQL | 0.5 | ug/L | U | 1 |
| Trichloroethene | BQL | 0.5 | ug/L | U | 1 |
| Trichlorofluoromethane | BQL | 0.5 | ug/L | U | 1 |
| Vinyl Chloride | BQL | 0.5 | ug/L | U | 1 |
| cis-1,2-Dichloroethene | BQL | 0.5 | ug/L | U | 1 |
| m,p-Xylenes | BQL | 0.5 | ug/L | U | 1 |
| n-Butylbenzene | BQL | 0.5 | ug/L | U | 1 |
| n-Propylbenzene | BQL | 0.5 | ug/L | U | 1 |
| o-Xylene | BQL | 0.5 | ug/L | U | 1 |
| tert-Butylbenzene | BQL | 0.5 | ug/L | U | 1 |
| trans-1,2-dichloroethene | BQL | 0.5 | ug/L | U | 1 |

# *GPL LABORATORIES, LLLP*

## Summary of Analytical Results

Client ID CL1-MW-10S
GPL ID: 7194-003-05-2/2
Matrix: Water
Date Collected: Jul-27-2000
Date Received: Aug-01-2000

Prep Method: SW5030B
Prep Date: Aug-17-2000
Prep Time: 13:50
Prep Chemist: Roy Colleton

Analytical Method: SW8015GRO
Date Analyzed: Aug-08-2000
Time Analyzed 18:51
Analyst: Roy Colleton

| Parameter | Result | Rep Limit | Units | Qualifier | D.F. |
|---|---|---|---|---|---|
| TPH-GRO (Gasoline Range Organics) | 161 | 100 | ug/L | | 1 |
| Total Unknown | BQL | 100 | ug/L | U | 1 |



Replacement pg
00014

## Summary of Analytical Results

Client ID CL1-MW-10S
GPL ID: 7194-003-06-1/2
Matrix: Water
Date Collected: Jul-27-2000
Date Received: Aug-01-2000

Prep Method: SW3520C
Prep Date: Aug-02-2000
Prep Time: 18:46
Prep Chemist: Reynaldo Caraan

Analytical Method: SW8015DRO
Date Analyzed: Aug-07-2000
Time Analyzed 14:50
Analyst: Philipos Yosief

| Parameter | Result | Rep Limit | Units | Qualifier | D.F. |
|---|---|---|---|---|---|
| Motor Oil | BQL | 0.052 | mg/L | U | 1 |
| TPH-DRO (Diesel Range Organics) | 0.287 | 0.052 | mg/L | | 1 |

## Summary of Analytical Results

Client ID CL1-MW-12SDL
GPL ID: 7194-004-02-2/3 DL 100X
Matrix: Water
Date Collected: Jul-27-2000
Date Received: Aug-01-2000

Prep Method: SW5030LL
Prep Date: Aug-04-2000
Prep Time: 07:39
Prep Chemist: Jannina S. Bryan

Analytical Method: SW8260LL_TCL
Date Analyzed: Aug-04-2000
Time Analyzed 15:11
Analyst: Alganesh Debesai

| Parameter | Result | Rep Limit | Units | Qualifier | D.F. |
|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | BQL | 50 | ug/L | U | 100 |
| 1,1,1-Trichloroethane | BQL | 50 | ug/L | U | 100 |
| 1,1,2,2-Tetrachloroethane | BQL | 50 | ug/L | U | 100 |
| 1,1,2-Trichloroethane | BQL | 50 | ug/L | U | 100 |
| 1,1-Dichloroethane | BQL | 50 | ug/L | U | 100 |
| 1,1-Dichloroethene | BQL | 50 | ug/L | U | 100 |
| 1,1-Dichloropropene | BQL | 50 | ug/L | U | 100 |
| 1,2,3-Trichlorobenzene | BQL | 50 | ug/L | U | 100 |
| 1,2,3-Trichloropropane | BQL | 50 | ug/L | U | 100 |
| 1,2,4-Trichlorobenzene | BQL | 50 | ug/L | U | 100 |
| 1,2,4-Trimethylbenzene | BQL | 50 | ug/L | U | 100 |
| 1,2-Dibromo-3-Chloropropane | BQL | 50 | ug/L | U | 100 |
| 1,2-Dichlorobenzene | BQL | 50 | ug/L | U | 100 |
| 1,2-Dichloroethane | BQL | 50 | ug/L | U | 100 |
| 1,2-Dichloropropane | BQL | 50 | ug/L | U | 100 |
| 1,3,5-trimethylbenzene | BQL | 50 | ug/L | U | 100 |
| 1,3-Dichlorobenzene | BQL | 50 | ug/L | U | 100 |
| 1,3-Dichloropropane | BQL | 50 | ug/L | U | 100 |
| 1,4-Dichlorobenzene | BQL | 50 | ug/L | U | 100 |
| 2,2-Dichloropropane | BQL | 50 | ug/L | U | 100 |
| 2-Chlorotoluene | BQL | 50 | ug/L | U | 100 |
| 4-Chlorotoluene | BQL | 50 | ug/L | U | 100 |
| 4-Isopropyltoluene | BQL | 50 | ug/L | U | 100 |
| 4-Methyl-2-Pentanone | 3560 | 500 | ug/L | | 100 |
| Bromobenzene | BQL | 50 | ug/L | U | 100 |
| Bromochloromethane | BQL | 50 | ug/L | U | 100 |
| Bromodichloromethane | BQL | 50 | ug/L | U | 100 |
| Bromoform | BQL | 50 | ug/L | U | 100 |
| Bromomethane | BQL | 50 | ug/L | U | 100 |
| Carbon Disulfide | BQL | 50 | ug/L | U | 100 |
| Carbon Tetrachloride | BQL | 50 | ug/L | U | 100 |
| Chlorobenzene | BQL | 50 | ug/L | U | 100 |
| Chloroethane | BQL | 50 | ug/L | U | 100 |
| Chloroform | BQL | 50 | ug/L | U | 100 |
| Chloromethane | BQL | 50 | ug/L | U | 100 |
| Dibromochloromethane | BQL | 50 | ug/L | U | 100 |
| Dibromomethane | BQL | 50 | ug/L | U | 100 |
| Dichlorodifluoromethane | BQL | 50 | ug/L | U | 100 |
| Ethylbenzene | 314 | 50 | ug/L | | 100 |

## Summary of Analytical Results

Client ID CLI-MW-12SDL
GPL ID: 7194-004-02-2/3 DL 100X
Matrix: Water
Date Collected: Jul-27-2000
Date Received: Aug-01-2000

Prep Method: SW5030LL
Prep Date: Aug-04-2000
Prep Time: 07:39
Prep Chemist: Jannina S. Bryan

Analytical Method: SW8260LL_TCL
Date Analyzed: Aug-04-2000
Time Analyzed 15:11
Analyst: Alganesh Debesai

| Parameter | Result | Rep Limit | Units | Qualifier | D.F. |
|---|---|---|---|---|---|
| Ethylene DiBromide | 5080 | 50 | ug/L | | 100 |
| Hexachlorobutadiene | BQL | 50 | ug/L | U | 100 |
| Isopropylbenzene | 1480 | 50 | ug/L | | 100 |
| MTBE | BQL | 50 | ug/L | U | 100 |
| Methylene Chloride | 56.0 | 50 | ug/L | | 100 |
| Naphthalene | 97.0 | 50 | ug/L | | 100 |
| Sec-Butylbenzene | BQL | 50 | ug/L | U | 100 |
| Styrene | BQL | 50 | ug/L | U | 100 |
| Tetrachloroethylene | BQL | 50 | ug/L | U | 100 |
| Toluene | 5540 | 50 | ug/L | | 100 |
| Trichloroethene | BQL | 50 | ug/L | U | 100 |
| Trichlorofluoromethane | BQL | 50 | ug/L | U | 100 |
| Vinyl Chloride | BQL | 50 | ug/L | U | 100 |
| cis-1,2-Dichloroethene | BQL | 50 | ug/L | U | 100 |
| m,p-Xylenes | 387 | 50 | ug/L | | 100 |
| n-Butylbenzene | BQL | 50 | ug/L | U | 100 |
| n-Propylbenzene | BQL | 50 | ug/L | U | 100 |
| o-Xylene | 517 | 50 | ug/L | | 100 |
| tert-Butylbenzene | BQL | 50 | ug/L | U | 100 |
| trans-1,2-dichloroethene | BQL | 50 | ug/L | U | 100 |

## Summary of Analytical Results

Client ID CL1-MW-12SDL2
GPL ID: 7194-004-03-3/3 DL 2500X
Matrix: Water
Date Collected: Jul-27-2000
Date Received: Aug-01-2000

Prep Method: SW5030LL
Prep Date: Aug-07-2000
Prep Time: 07:08
Prep Chemist: Jannina S. Bryan

Analytical Method: SW8260LL_TCL
Date Analyzed: Aug-07-2000
Time Analyzed 10:11
Analyst: Alganesh Debesai

| Parameter | Result | Rep Limit | Units | Qualifier | D.F. |
|---|---|---|---|---|---|
| Acetone | 68400 | 12500 | ug/L | | 2500 |
| Benzene | 22400 | 1250 | ug/L | | 2500 |
| MEK | 75400 | 12500 | ug/L | | 2500 |

# GPL LABORATORIES, LLLP

## Summary of Analytical Results

Client ID CL1-MW-12S
GPL ID: 7194-004-04-1/2
Matrix: Water
Date Collected: Jul-27-2000
Date Received: Aug-01-2000

Prep Method: SW5030B
Prep Date: Aug-17-2000
Prep Time: 13:50
Prep Chemist: Roy Colleton

Analytical Method: SW8015GRO
Date Analyzed: Aug-08-2000
Time Analyzed 19:28
Analyst: Roy Colleton

| Parameter | Result | Rep Limit | Units | Qualifier | D.F. |
|---|---|---|---|---|---|
| TPH-GRO (Gasoline Range Organics) | 220000 | 20000 | ug/L | | 200 |
| Total Unknown | BQL | 20000 | ug/L | U | 200 |



Replacement Pg
00019

## Summary of Analytical Results

Client ID CL1-MW-12S
GPL ID: 7194-004-06-1/2
Matrix: Water
Date Collected: Jul-27-2000
Date Received: Aug-01-2000

Prep Method: SW3520C
Prep Date: Aug-02-2000
Prep Time: 18:46
Prep Chemist: Reynaldo Caraan

Analytical Method: SW8015DRO
Date Analyzed: Aug-16-2000
Time Analyzed 08:32
Analyst: Philipos Yosief

| Parameter | Result | Rep Limit | Units | Qualifier | D.F. |
|---|---|---|---|---|---|
| Motor Oil | BQL | 51.5 | mg/L | U | 1000 |
| TPH-DRO (Diesel Range Organics) | 389 | 51.5 | mg/L | | 1000 |

## Summary of Analytical Results

Client ID CL99-1DL
GPL ID: 7194-005-02-2/3 DL 100X
Matrix: Water
Date Collected: Jul-27-2000
Date Received: Aug-01-2000

Prep Method: SW5030LL
Prep Date: Aug-04-2000
Prep Time: 07:39
Prep Chemist: Jannina S. Bryan

Analytical Method: SW8260LL_TCL
Date Analyzed: Aug-04-2000
Time Analyzed 15:45
Analyst: Alganesh Debesai

| Parameter | Result | Rep Limit | Units | Qualifier | D.F. |
|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | BQL | 50 | ug/L | U | 100 |
| 1,1,1-Trichloroethane | BQL | 50 | ug/L | U | 100 |
| 1,1,2,2-Tetrachloroethane | BQL | 50 | ug/L | U | 100 |
| 1,1,2-Trichloroethane | BQL | 50 | ug/L | U | 100 |
| 1,1-Dichloroethane | BQL | 50 | ug/L | U | 100 |
| 1,1-Dichloroethene | BQL | 50 | ug/L | U | 100 |
| 1,1-Dichloropropene | BQL | 50 | ug/L | U | 100 |
| 1,2,3-Trichlorobenzene | BQL | 50 | ug/L | U | 100 |
| 1,2,3-Trichloropropane | BQL | 50 | ug/L | U | 100 |
| 1,2,4-Trichlorobenzene | BQL | 50 | ug/L | U | 100 |
| 1,2,4-Trimethylbenzene | BQL | 50 | ug/L | U | 100 |
| 1,2-Dibromo-3-Chloropropane | BQL | 50 | ug/L | U | 100 |
| 1,2-Dichlorobenzene | BQL | 50 | ug/L | U | 100 |
| 1,2-Dichloroethane | BQL | 50 | ug/L | U | 100 |
| 1,2-Dichloropropane | BQL | 50 | ug/L | U | 100 |
| 1,3,5-trimethylbenzene | BQL | 50 | ug/L | U | 100 |
| 1,3-Dichlorobenzene | BQL | 50 | ug/L | U | 100 |
| 1,3-Dichloropropane | BQL | 50 | ug/L | U | 100 |
| 1,4-Dichlorobenzene | BQL | 50 | ug/L | U | 100 |
| 2,2-Dichloropropane | BQL | 50 | ug/L | U | 100 |
| 2-Chlorotoluene | BQL | 50 | ug/L | U | 100 |
| 2-Hexanone | 4810 | 500 | ug/L | | 100 |
| 4-Chlorotoluene | BQL | 50 | ug/L | U | 100 |
| 4-Isopropyltoluene | BQL | 50 | ug/L | U | 100 |
| 4-Methyl-2-Pentanone | 2270 | 500 | ug/L | | 100 |
| Bromobenzene | BQL | 50 | ug/L | U | 100 |
| Bromochloromethane | BQL | 50 | ug/L | U | 100 |
| Bromodichloromethane | BQL | 50 | ug/L | U | 100 |
| Bromoform | BQL | 50 | ug/L | U | 100 |
| Bromomethane | BQL | 50 | ug/L | U | 100 |
| Carbon Disulfide | BQL | 50 | ug/L | U | 100 |
| Carbon Tetrachloride | BQL | 50 | ug/L | U | 100 |
| Chlorobenzene | BQL | 50 | ug/L | U | 100 |
| Chloroethane | BQL | 50 | ug/L | U | 100 |
| Chloroform | BQL | 50 | ug/L | U | 100 |
| Chloromethane | BQL | 50 | ug/L | U | 100 |
| Dibromochloromethane | BQL | 50 | ug/L | U | 100 |
| Dibromomethane | BQL | 50 | ug/L | U | 100 |
| Dichlorodifluoromethane | BQL | 50 | ug/L | U | 100 |

## Summary of Analytical Results

Client ID CL99-1DL
GPL ID: 7194-005-02-2/3 DL 100X
Matrix: Water
Date Collected: Jul-27-2000
Date Received: Aug-01-2000

Prep Method: SW5030LL
Prep Date: Aug-04-2000
Prep Time: 07:39
Prep Chemist: Jannina S. Bryan

Analytical Method: SW8260LL_TCL
Date Analyzed: Aug-04-2000
Time Analyzed 15:45
Analyst: Alganesh Debesai

| Parameter | Result | Rep Limit | Units | Qualifier | D.F. |
|---|---|---|---|---|---|
| Ethylbenzene | 280 | 50 | ug/L | | 100 |
| Ethylene DiBromide | 4000 | 50 | ug/L | | 100 |
| Hexachlorobutadiene | BQL | 50 | ug/L | U | 100 |
| Isopropylbenzene | 1400 | 50 | ug/L | | 100 |
| MTBE | BQL | 50 | ug/L | U | 100 |
| Methylene Chloride | 52.0 | 50 | ug/L | | 100 |
| Naphthalene | 64.0 | 50 | ug/L | | 100 |
| Sec-Butylbenzene | BQL | 50 | ug/L | U | 100 |
| Styrene | BQL | 50 | ug/L | U | 100 |
| Tetrachloroethylene | BQL | 50 | ug/L | U | 100 |
| Toluene | 4840 | 50 | ug/L | | 100 |
| Trichloroethene | BQL | 50 | ug/L | U | 100 |
| Trichlorofluoromethane | BQL | 50 | ug/L | U | 100 |
| Vinyl Chloride | BQL | 50 | ug/L | U | 100 |
| cis-1,2-Dichloroethene | BQL | 50 | ug/L | U | 100 |
| m,p-Xylenes | 310 | 50 | ug/L | | 100 |
| n-Butylbenzene | BQL | 50 | ug/L | U | 100 |
| n-Propylbenzene | BQL | 50 | ug/L | U | 100 |
| o-Xylene | 480 | 50 | ug/L | | 100 |
| tert-Butylbenzene | BQL | 50 | ug/L | U | 100 |
| trans-1,2-dichloroethene | BQL | 50 | ug/L | U | 100 |

## Summary of Analytical Results

Client ID CL99-1DL2
GPL ID: 7194-005-03-3/3 DL 2500X
Matrix: Water
Date Collected: Jul-27-2000
Date Received: Aug-01-2000

Prep Method: SW5030LL
Prep Date: Aug-07-2000
Prep Time: 07:08
Prep Chemist: Jannina S. Bryan

Analytical Method: SW8260LL_TCL
Date Analyzed: Aug-07-2000
Time Analyzed 11:19
Analyst: Alganesh Debesai

| Parameter | Result | Rep Limit | Units | Qualifier | D.F. |
|---|---|---|---|---|---|
| Acetone | 59600 | 12500 | ug/L | | 2500 |
| Benzene | 20200 | 1250 | ug/L | | 2500 |
| MEK | 70400 | 12500 | ug/L | | 2500 |

# GPL LABORATORIES, LLLP

## Summary of Analytical Results

Client ID CL99-1
GPL ID: 7194-005-04-1/2
Matrix: Water
Date Collected: Jul-27-2000
Date Received: Aug-01-2000

Prep Method: SW5030B
Prep Date: Aug-17-2000
Prep Time: 13:50
Prep Chemist: Roy Colleton

Analytical Method: SW8015GRO
Date Analyzed: Aug-08-2000
Time Analyzed 20:03
Analyst: Roy Colleton

| Parameter | Result | Rep Limit | Units | Qualifier | D.F. |
|---|---|---|---|---|---|
| TPH-GRO (Gasoline Range Organics) | 256000 | 20000 | ug/L | | 200 |
| Total Unknown | BQL | 20000 | ug/L | U | 200 |



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## Summary of Analytical Results

Client ID CL99-1
GPL ID: 7194-005-06-1/1
Matrix: Water
Date Collected: Jul-27-2000
Date Received: Aug-01-2000

Prep Method: SW3520C
Prep Date: Aug-02-2000
Prep Time: 18:46
Prep Chemist: Reynaldo Caraan

Analytical Method: SW8015DRO
Date Analyzed: Aug-16-2000
Time Analyzed 09:21
Analyst: Philipos Yosief

| Parameter | Result | Rep Limit | Units | Qualifier | D.F. |
|---|---|---|---|---|---|
| Motor Oil | BQL | 52.1 | mg/L | U | 1000 |
| TPH-DRO (Diesel Range Organics) | 325 | 52.1 | mg/L | | 1000 |

## Summary of Analytical Results

Client ID 17MW12
GPL ID: 7194-006-01-1/3
Matrix: Water
Date Collected: Jul-27-2000
Date Received: Aug-01-2000

Prep Method: SW5030LL
Prep Date: Aug-03-2000
Prep Time: 07:05
Prep Chemist: Jannina S. Bryan

Analytical Method: SW8260LL_TCL
Date Analyzed: Aug-03-2000
Time Analyzed 15:50
Analyst: Alganesh Debesai

| Parameter | Result | Rep Limit | Units | Qualifier | D.F. |
|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | BQL | 0.5 | ug/L | U | 1 |
| 1,1,1-Trichloroethane | BQL | 0.5 | ug/L | U | 1 |
| 1,1,2,2-Tetrachloroethane | BQL | 0.5 | ug/L | U | 1 |
| 1,1,2-Trichloroethane | BQL | 0.5 | ug/L | U | 1 |
| 1,1-Dichloroethane | BQL | 0.5 | ug/L | U | 1 |
| 1,1-Dichloroethene | BQL | 0.5 | ug/L | U | 1 |
| 1,1-Dichloropropene | BQL | 0.5 | ug/L | U | 1 |
| 1,2,3-Trichlorobenzene | BQL | 0.5 | ug/L | U | 1 |
| 1,2,3-Trichloropropane | BQL | 0.5 | ug/L | U | 1 |
| 1,2,4-Trichlorobenzene | BQL | 0.5 | ug/L | U | 1 |
| 1,2,4-Trimethylbenzene | BQL | 0.5 | ug/L | U | 1 |
| 1,2-Dibromo-3-Chloropropane | BQL | 0.5 | ug/L | U | 1 |
| 1,2-Dichlorobenzene | BQL | 0.5 | ug/L | U | 1 |
| 1,2-Dichloroethane | 8.22 | 0.5 | ug/L | | 1 |
| 1,2-Dichloropropane | BQL | 0.5 | ug/L | U | 1 |
| 1,3,5-trimethylbenzene | BQL | 0.5 | ug/L | U | 1 |
| 1,3-Dichlorobenzene | BQL | 0.5 | ug/L | U | 1 |
| 1,3-Dichloropropane | BQL | 0.5 | ug/L | U | 1 |
| 1,4-Dichlorobenzene | BQL | 0.5 | ug/L | U | 1 |
| 2,2-Dichloropropane | BQL | 0.5 | ug/L | U | 1 |
| 2-Chlorotoluene | BQL | 0.5 | ug/L | U | 1 |
| 2-Hexanone | BQL | 5 | ug/L | U | 1 |
| 4-Chlorotoluene | BQL | 0.5 | ug/L | U | 1 |
| 4-Isopropyltoluene | BQL | 0.5 | ug/L | U | 1 |
| 4-Methyl-2-Pentanone | BQL | 5 | ug/L | U | 1 |
| Acetone | 614 | 5 | ug/L | | 1 |
| Benzene | 104 | 0.5 | ug/L | | 1 |
| Bromobenzene | BQL | 0.5 | ug/L | U | 1 |
| Bromochloromethane | BQL | 0.5 | ug/L | U | 1 |
| Bromodichloromethane | BQL | 0.5 | ug/L | U | 1 |
| Bromoform | BQL | 0.5 | ug/L | U | 1 |
| Bromomethane | BQL | 0.5 | ug/L | U | 1 |
| Carbon Disulfide | 0.590 | 0.5 | ug/L | | 1 |
| Carbon Tetrachloride | BQL | 0.5 | ug/L | U | 1 |
| Chlorobenzene | BQL | 0.5 | ug/L | U | 1 |
| Chloroethane | BQL | 0.5 | ug/L | U | 1 |
| Chloroform | 13.7 | 0.5 | ug/L | | 1 |
| Chloromethane | BQL | 0.5 | ug/L | U | 1 |
| Dibromochloromethane | BQL | 0.5 | ug/L | U | 1 |

## Summary of Analytical Results

Client ID 17MW12
GPL ID: 7194-006-01-1/3
Matrix: Water
Date Collected: Jul-27-2000
Date Received: Aug-01-2000

Prep Method: SW5030LL
Prep Date: Aug-03-2000
Prep Time: 07:05
Prep Chemist: Jannina S. Bryan

Analytical Method: SW8260LL_TCL
Date Analyzed: Aug-03-2000
Time Analyzed 15:50
Analyst: Alganesh Debesai

| Parameter | Result | Rep Limit | Units | Qualifier | D.F. |
|---|---|---|---|---|---|
| Dibromomethane | BQL | 0.5 | ug/L | U | 1 |
| Dichlorodifluoromethane | BQL | 0.5 | ug/L | U | 1 |
| Ethylbenzene | 1.25 | 0.5 | ug/L | | 1 |
| Ethylene DiBromide | 15.6 | 0.5 | ug/L | | 1 |
| Hexachlorobutadiene | BQL | 0.5 | ug/L | U | 1 |
| Isopropylbenzene | 4.74 | 0.5 | ug/L | | 1 |
| MEK | 746 | 5 | ug/L | | 1 |
| MTBE | BQL | 0.5 | ug/L | U | 1 |
| Methylene Chloride | 1.01 | 0.5 | ug/L | | 1 |
| Naphthalene | 1.60 | 0.5 | ug/L | | 1 |
| Sec-Butylbenzene | BQL | 0.5 | ug/L | U | 1 |
| Styrene | BQL | 0.5 | ug/L | U | 1 |
| Tetrachloroethylene | BQL | 0.5 | ug/L | U | 1 |
| Toluene | 24.1 | 0.5 | ug/L | | 1 |
| Trichloroethene | BQL | 0.5 | ug/L | U | 1 |
| Trichlorofluoromethane | BQL | 0.5 | ug/L | U | 1 |
| Vinyl Chloride | BQL | 0.5 | ug/L | U | 1 |
| cis-1,2-Dichloroethene | BQL | 0.5 | ug/L | U | 1 |
| m,p-Xylenes | 1.86 | 0.5 | ug/L | | 1 |
| n-Butylbenzene | BQL | 0.5 | ug/L | U | 1 |
| n-Propylbenzene | BQL | 0.5 | ug/L | U | 1 |
| o-Xylene | 2.14 | 0.5 | ug/L | | 1 |
| tert-Butylbenzene | BQL | 0.5 | ug/L | U | 1 |
| trans-1,2-dichloroethene | BQL | 0.5 | ug/L | U | 1 |

# GPL LABORATORIES, LLLP

## Summary of Analytical Results

Client ID 17MW12
GPL ID: 7194-006-04-1/2
Matrix: Water
Date Collected: Jul-27-2000
Date Received: Aug-01-2000

Prep Method: SW5030B
Prep Date: Aug-17-2000
Prep Time: 13:50
Prep Chemist: Roy Colleton

Analytical Method: SW8015GRO
Date Analyzed: Aug-08-2000
Time Analyzed 20:38
Analyst: Roy Colleton

| Parameter | Result | Rep Limit | Units | Qualifier | D.F. |
|---|---|---|---|---|---|
| TPH-GRO (Gasoline Range Organics) | 362 | 100 | ug/L | | 1 |
| Total Unknown | BQL | 100 | ug/L | U | 1 |



Replacement Page

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## Summary of Analytical Results

Client ID 17MW12
GPL ID: 7194-006-06-1/2
Matrix: Water
Date Collected: Jul-27-2000
Date Received: Aug-01-2000

Prep Method: SW3520C
Prep Date: Aug-02-2000
Prep Time: 18:46
Prep Chemist: Reynaldo Caraan

Analytical Method: SW8015DRO
Date Analyzed: Aug-07-2000
Time Analyzed 17:15
Analyst: Philipos Yosief

| Parameter | Result | Rep Limit | Units | Qualifier | D.F. |
|---|---|---|---|---|---|
| Motor Oil | BQL | 0.052 | mg/L | U | 1 |
| TPH-DRO (Diesel Range Organics) | 0.501 | 0.052 | mg/L | | 1 |

## Summary of Analytical Results

Client ID 17MW03
GPL ID: 7194-007-01-1/3
Matrix: Water
Date Collected: Jul-27-2000
Date Received: Aug-01-2000

Prep Method: SW5030LL
Prep Date: Aug-03-2000
Prep Time: 07:05
Prep Chemist: Jannina S. Bryan

Analytical Method: SW8260LL_TCL
Date Analyzed: Aug-03-2000
Time Analyzed 16:24
Analyst: Alganesh Debesai

| Parameter | Result | Rep Limit | Units | Qualifier | D.F. |
|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | BQL | 0.5 | ug/L | U | 1 |
| 1,1,1-Trichloroethane | BQL | 0.5 | ug/L | U | 1 |
| 1,1,2,2-Tetrachloroethane | BQL | 0.5 | ug/L | U | 1 |
| 1,1,2-Trichloroethane | BQL | 0.5 | ug/L | U | 1 |
| 1,1-Dichloroethane | BQL | 0.5 | ug/L | U | 1 |
| 1,1-Dichloroethene | BQL | 0.5 | ug/L | U | 1 |
| 1,1-Dichloropropene | BQL | 0.5 | ug/L | U | 1 |
| 1,2,3-Trichlorobenzene | BQL | 0.5 | ug/L | U | 1 |
| 1,2,3-Trichloropropane | BQL | 0.5 | ug/L | U | 1 |
| 1,2,4-Trichlorobenzene | BQL | 0.5 | ug/L | U | 1 |
| 1,2,4-Trimethylbenzene | BQL | 0.5 | ug/L | U | 1 |
| 1,2-Dibromo-3-Chloropropane | BQL | 0.5 | ug/L | U | 1 |
| 1,2-Dichlorobenzene | BQL | 0.5 | ug/L | U | 1 |
| 1,2-Dichloroethane | BQL | 0.5 | ug/L | U | 1 |
| 1,2-Dichloropropane | BQL | 0.5 | ug/L | U | 1 |
| 1,3,5-trimethylbenzene | BQL | 0.5 | ug/L | U | 1 |
| 1,3-Dichlorobenzene | BQL | 0.5 | ug/L | U | 1 |
| 1,3-Dichloropropane | BQL | 0.5 | ug/L | U | 1 |
| 1,4-Dichlorobenzene | BQL | 0.5 | ug/L | U | 1 |
| 2,2-Dichloropropane | BQL | 0.5 | ug/L | U | 1 |
| 2-Chlorotoluene | BQL | 0.5 | ug/L | U | 1 |
| 2-Hexanone | BQL | 5 | ug/L | U | 1 |
| 4-Chlorotoluene | BQL | 0.5 | ug/L | U | 1 |
| 4-Isopropyltoluene | BQL | 0.5 | ug/L | U | 1 |
| 4-Methyl-2-Pentanone | BQL | 5 | ug/L | U | 1 |
| Acetone | 14.3 | 5 | ug/L | | 1 |
| Benzene | 42.2 | 0.5 | ug/L | | 1 |
| Bromobenzene | BQL | 0.5 | ug/L | U | 1 |
| Bromochloromethane | BQL | 0.5 | ug/L | U | 1 |
| Bromodichloromethane | BQL | 0.5 | ug/L | U | 1 |
| Bromoform | 0.650 | 0.5 | ug/L | | 1 |
| Bromomethane | BQL | 0.5 | ug/L | U | 1 |
| Carbon Disulfide | 0.560 | 0.5 | ug/L | | 1 |
| Chlorobenzene | BQL | 0.5 | ug/L | U | 1 |
| Chloroethane | BQL | 0.5 | ug/L | U | 1 |
| Chloroform | 13.7 | 0.5 | ug/L | | 1 |
| Chloromethane | BQL | 0.5 | ug/L | U | 1 |
| Dibromochloromethane | BQL | 0.5 | ug/L | U | 1 |
| Dibromomethane | BQL | 0.5 | ug/L | U | 1 |

## Summary of Analytical Results

Client ID 17MW03
GPL ID: 7194-007-01-1/3
Matrix: Water
Date Collected: Jul-27-2000
Date Received: Aug-01-2000

Prep Method: SW5030LL
Prep Date: Aug-03-2000
Prep Time: 07:05
Prep Chemist: Jannina S. Bryan

Analytical Method: SW8260LL_TCL
Date Analyzed: Aug-03-2000
Time Analyzed 16:24
Analyst: Alganesh Debesai

| Parameter | Result | Rep Limit | Units | Qualifier | D.F. |
|---|---|---|---|---|---|
| Dichlorodifluoromethane | BQL | 0.5 | ug/L | U | 1 |
| Ethylbenzene | 1.10 | 0.5 | ug/L | | 1 |
| Ethylene DiBromide | 7.58 | 0.5 | ug/L | | 1 |
| Hexachlorobutadiene | BQL | 0.5 | ug/L | U | 1 |
| Isopropylbenzene | 4.50 | 0.5 | ug/L | | 1 |
| MEK | BQL | 5 | ug/L | U | 1 |
| MTBE | BQL | 0.5 | ug/L | U | 1 |
| Methylene Chloride | 0.580 | 0.5 | ug/L | | 1 |
| Naphthalene | 0.520 | 0.5 | ug/L | | 1 |
| Sec-Butylbenzene | BQL | 0.5 | ug/L | U | 1 |
| Styrene | BQL | 0.5 | ug/L | U | 1 |
| Tetrachloroethylene | BQL | 0.5 | ug/L | U | 1 |
| Toluene | 18.3 | 0.5 | ug/L | | 1 |
| Trichloroethene | BQL | 0.5 | ug/L | U | 1 |
| Trichlorofluoromethane | BQL | 0.5 | ug/L | U | 1 |
| Vinyl Chloride | BQL | 0.5 | ug/L | U | 1 |
| cis-1,2-Dichloroethene | BQL | 0.5 | ug/L | U | 1 |
| m,p-Xylenes | 2.19 | 0.5 | ug/L | | 1 |
| n-Butylbenzene | BQL | 0.5 | ug/L | U | 1 |
| n-Propylbenzene | BQL | 0.5 | ug/L | U | 1 |
| o-Xylene | 1.87 | 0.5 | ug/L | | 1 |
| tert-Butylbenzene | BQL | 0.5 | ug/L | U | 1 |
| trans-1,2-dichloroethene | BQL | 0.5 | ug/L | U | 1 |

## Summary of Analytical Results

Client ID 17MW03DL
GPL ID: 7194-007-02-2/3 DL 5X
Matrix: Water
Date Collected: Jul-27-2000
Date Received: Aug-01-2000

Prep Method: SW5030LL
Prep Date: Aug-04-2000
Prep Time: 07:39
Prep Chemist: Jannina S. Bryan

Analytical Method: SW8260LL_TCL
Date Analyzed: Aug-04-2000
Time Analyzed 16:52
Analyst: Alganesh Debesai

| Parameter | Result | Rep Limit | Units | Qualifier | D.F. |
|---|---|---|---|---|---|
| Carbon Tetrachloride | 131 | 2.5 | ug/L | | 5 |

## Summary of Analytical Results

Client ID 17MW03
GPL ID: 7194-007-04-1/2
Matrix: Water
Date Collected: Jul-27-2000
Date Received: Aug-01-2000

Prep Method: SW5030B
Prep Date: Aug-17-2000
Prep Time: 13:50
Prep Chemist: Roy Colleton

Analytical Method: SW8015GRO
Date Analyzed: Aug-08-2000
Time Analyzed 21:51
Analyst: Roy Colleton

| Parameter | Result | Rep Limit | Units | Qualifier | D.F. |
|---|---|---|---|---|---|
| TPH-GRO (Gasoline Range Organics) | 303 | 100 | ug/L | | 1 |
| Total Unknown | BQL | 100 | ug/L | U | 1 |



Replacement page
00033

# GPL LABORATORIES, LLLP

## Summary of Analytical Results

Client ID 17MW03
GPL ID: 7194-007-06-1/1
Matrix: Water
Date Collected: Jul-27-2000
Date Received: Aug-01-2000

Prep Method: SW3520C
Prep Date: Aug-02-2000
Prep Time: 18:46
Prep Chemist: Reynaldo Caraan

Analytical Method: SW8015DRO
Date Analyzed: Aug-07-2000
Time Analyzed 18:51
Analyst: Philipos Yosief

| Parameter | Result | Rep Limit | Units | Qualifier | D.F. |
|---|---|---|---|---|---|
| Motor Oil | BQL | 0.05 | mg/L | U | 1 |
| TPH-DRO (Diesel Range Organics) | 0.389 | 0.05 | mg/L | | 1 |

# GPL LABORATORIES, LLLP

## Summary of Analytical Results

Client ID RINSE BLANK
GPL ID: 7194-008-04-1/2
Matrix: Water
Date Collected: Jul-27-2000
Date Received: Aug-01-2000

Prep Method: SW5030B
Prep Date: Aug-17-2000
Prep Time: 13:50
Prep Chemist: Roy Colleton

Analytical Method: SW8015GRO
Date Analyzed: Aug-11-2000
Time Analyzed 18:11
Analyst: Roy Colleton

| Parameter | Result | Rep Limit | Units | Qualifier | D.F. |
|---|---|---|---|---|---|
| TPH-GRO (Gasoline Range Organics) | BQL | 100 | ug/L | U | 1 |
| Total Unknown | BQL | 100 | ug/L | U | 1 |



Replacement Pg
000385

## Summary of Analytical Results

Client ID 117-MW-03RE
GPL ID: 7194-009-02-2/3 RE
Matrix: Water
Date Collected: Jul-28-2000
Date Received: Aug-01-2000

Prep Method: SW5030LL
Prep Date: Aug-07-2000
Prep Time: 07:08
Prep Chemist: Jannina S. Bryan

Analytical Method: SW8260LL_TCL
Date Analyzed: Aug-07-2000
Time Analyzed 12:27
Analyst: Alganesh Debesai

| Parameter | Result | Rep Limit | Units | Qualifier | D.F. |
|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | BQL | 0.5 | ug/L | U | 1 |
| 1,1,1-Trichloroethane | BQL | 0.5 | ug/L | U | 1 |
| 1,1,2,2-Tetrachloroethane | BQL | 0.5 | ug/L | U | 1 |
| 1,1,2-Trichloroethane | BQL | 0.5 | ug/L | U | 1 |
| 1,1-Dichloroethane | BQL | 0.5 | ug/L | U | 1 |
| 1,1-Dichloroethene | BQL | 0.5 | ug/L | U | 1 |
| 1,1-Dichloropropene | BQL | 0.5 | ug/L | U | 1 |
| 1,2,3-Trichlorobenzene | BQL | 0.5 | ug/L | U | 1 |
| 1,2,3-Trichloropropane | BQL | 0.5 | ug/L | U | 1 |
| 1,2,4-Trichlorobenzene | BQL | 0.5 | ug/L | U | 1 |
| 1,2,4-Trimethylbenzene | BQL | 0.5 | ug/L | U | 1 |
| 1,2-Dibromo-3-Chloropropane | BQL | 0.5 | ug/L | U | 1 |
| 1,2-Dichlorobenzene | BQL | 0.5 | ug/L | U | 1 |
| 1,2-Dichloroethane | BQL | 0.5 | ug/L | U | 1 |
| 1,2-Dichloropropane | BQL | 0.5 | ug/L | U | 1 |
| 1,3,5-trimethylbenzene | BQL | 0.5 | ug/L | U | 1 |
| 1,3-Dichlorobenzene | BQL | 0.5 | ug/L | U | 1 |
| 1,3-Dichloropropane | BQL | 0.5 | ug/L | U | 1 |
| 1,4-Dichlorobenzene | BQL | 0.5 | ug/L | U | 1 |
| 2,2-Dichloropropane | BQL | 0.5 | ug/L | U | 1 |
| 2-Chlorotoluene | BQL | 0.5 | ug/L | U | 1 |
| 2-Hexanone | BQL | 5 | ug/L | U | 1 |
| 4-Chlorotoluene | BQL | 0.5 | ug/L | U | 1 |
| 4-Isopropyltoluene | BQL | 0.5 | ug/L | U | 1 |
| 4-Methyl-2-Pentanone | BQL | 5 | ug/L | U | 1 |
| Acetone | BQL | 5 | ug/L | U | 1 |
| Benzene | 19.4 | 0.5 | ug/L | | 1 |
| Bromobenzene | BQL | 0.5 | ug/L | U | 1 |
| Bromochloromethane | BQL | 0.5 | ug/L | U | 1 |
| Bromodichloromethane | BQL | 0.5 | ug/L | U | 1 |
| Bromoform | BQL | 0.5 | ug/L | U | 1 |
| Bromomethane | BQL | 0.5 | ug/L | U | 1 |
| Carbon Disulfide | BQL | 0.5 | ug/L | U | 1 |
| Carbon Tetrachloride | 1.26 | 0.5 | ug/L | | 1 |
| Chlorobenzene | BQL | 0.5 | ug/L | U | 1 |
| Chloroethane | BQL | 0.5 | ug/L | U | 1 |
| Chloroform | 4.43 | 0.5 | ug/L | | 1 |
| Chloromethane | BQL | 0.5 | ug/L | U | 1 |
| Dibromochloromethane | BQL | 0.5 | ug/L | U | 1 |

## Summary of Analytical Results

Client ID 117-MW-03RE
GPL ID: 7194-009-02-2/3 RE
Matrix: Water
Date Collected: Jul-28-2000
Date Received: Aug-01-2000

Prep Method: SW5030LL
Prep Date: Aug-07-2000
Prep Time: 07:08
Prep Chemist: Jannina S. Bryan

Analytical Method: SW8260LL_TCL
Date Analyzed: Aug-07-2000
Time Analyzed 12:27
Analyst: Alganesh Debesai

| Parameter | Result | Rep Limit | Units | Qualifier | D.F. |
|---|---|---|---|---|---|
| Dibromomethane | BQL | 0.5 | ug/L | U | 1 |
| Dichlorodifluoromethane | BQL | 0.5 | ug/L | U | 1 |
| Ethylbenzene | 1.01 | 0.5 | ug/L | | 1 |
| Ethylene DiBromide | 2.65 | 0.5 | ug/L | | 1 |
| Hexachlorobutadiene | BQL | 0.5 | ug/L | U | 1 |
| Isopropylbenzene | 4.34 | 0.5 | ug/L | | 1 |
| MEK | BQL | 5 | ug/L | U | 1 |
| MTBE | BQL | 0.5 | ug/L | U | 1 |
| Methylene Chloride | BQL | 0.5 | ug/L | U | 1 |
| Naphthalene | BQL | 0.5 | ug/L | U | 1 |
| Sec-Butylbenzene | BQL | 0.5 | ug/L | U | 1 |
| Styrene | BQL | 0.5 | ug/L | U | 1 |
| Tetrachloroethylene | BQL | 0.5 | ug/L | U | 1 |
| Toluene | 9.84 | 0.5 | ug/L | | 1 |
| Trichloroethene | BQL | 0.5 | ug/L | U | 1 |
| Trichlorofluoromethane | BQL | 0.5 | ug/L | U | 1 |
| Vinyl Chloride | BQL | 0.5 | ug/L | U | 1 |
| cis-1,2-Dichloroethene | BQL | 0.5 | ug/L | U | 1 |
| m,p-Xylenes | 2.41 | 0.5 | ug/L | | 1 |
| n-Butylbenzene | BQL | 0.5 | ug/L | U | 1 |
| n-Propylbenzene | BQL | 0.5 | ug/L | U | 1 |
| o-Xylene | 1.69 | 0.5 | ug/L | | 1 |
| tert-Butylbenzene | BQL | 0.5 | ug/L | U | 1 |
| trans-1,2-dichloroethene | BQL | 0.5 | ug/L | U | 1 |

## Summary of Analytical Results

Client ID 117-MW-03
GPL ID: 7194-009-04-1/2
Matrix: Water
Date Collected: Jul-28-2000
Date Received: Aug-01-2000

Prep Method: SW5030B
Prep Date: Aug-17-2000
Prep Time: 13:50
Prep Chemist: Roy Colleton

Analytical Method: SW8015GRO
Date Analyzed: Aug-08-2000
Time Analyzed 23:04
Analyst: Roy Colleton

| Parameter | Result | Rep Limit | Units | Qualifier | D.F. |
|---|---|---|---|---|---|
| TPH-GRO (Gasoline Range Organics) | 262 | 100 | ug/L | | 1 |
| Total Unknown | BQL | 100 | ug/L | U | 1 |



Replacement pg
00038

## Summary of Analytical Results

Client ID 117-MW-03
GPL ID: 7194-009-06-1/2
Matrix: Water
Date Collected: Jul-28-2000
Date Received: Aug-01-2000

Prep Method: SW3520C
Prep Date: Aug-02-2000
Prep Time: 18:46
Prep Chemist: Reynaldo Caraan

Analytical Method: SW8015DRO
Date Analyzed: Aug-07-2000
Time Analyzed 19:40
Analyst: Philipos Yosief

| Parameter | Result | Rep Limit | Units | Qualifier | D.F. |
|---|---|---|---|---|---|
| Motor Oil | BQL | 0.05 | mg/L | U | 1 |
| TPH-DRO (Diesel Range Organics) | 0.275 | 0.05 | mg/L | | 1 |

## Summary of Analytical Results

Client ID TRIP BLANK
GPL ID: 7194-010-01-1/2
Matrix: Water
Date Collected: Jul-27-2000
Date Received: Aug-01-2000

Prep Method: SW5030LL
Prep Date: Aug-03-2000
Prep Time: 07:05
Prep Chemist: Jannina S. Bryan

Analytical Method: SW8260LL_TCL
Date Analyzed: Aug-03-2000
Time Analyzed 11:16
Analyst: Alganesh Debesai

| Parameter | Result | Rep Limit | Units | Qualifier | D.F. |
|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | BQL | 0.5 | ug/L | U | 1 |
| 1,1,1-Trichloroethane | BQL | 0.5 | ug/L | U | 1 |
| 1,1,2,2-Tetrachloroethane | BQL | 0.5 | ug/L | U | 1 |
| 1,1,2-Trichloroethane | BQL | 0.5 | ug/L | U | 1 |
| 1,1-Dichloroethane | BQL | 0.5 | ug/L | U | 1 |
| 1,1-Dichloroethene | BQL | 0.5 | ug/L | U | 1 |
| 1,1-Dichloropropene | BQL | 0.5 | ug/L | U | 1 |
| 1,2,3-Trichlorobenzene | BQL | 0.5 | ug/L | U | 1 |
| 1,2,3-Trichloropropane | BQL | 0.5 | ug/L | U | 1 |
| 1,2,4-Trichlorobenzene | BQL | 0.5 | ug/L | U | 1 |
| 1,2,4-Trimethylbenzene | BQL | 0.5 | ug/L | U | 1 |
| 1,2-Dibromo-3-Chloropropane | BQL | 0.5 | ug/L | U | 1 |
| 1,2-Dichlorobenzene | BQL | 0.5 | ug/L | U | 1 |
| 1,2-Dichloroethane | BQL | 0.5 | ug/L | U | 1 |
| 1,2-Dichloropropane | BQL | 0.5 | ug/L | U | 1 |
| 1,3,5-trimethylbenzene | BQL | 0.5 | ug/L | U | 1 |
| 1,3-Dichlorobenzene | BQL | 0.5 | ug/L | U | 1 |
| 1,3-Dichloropropane | BQL | 0.5 | ug/L | U | 1 |
| 1,4-Dichlorobenzene | BQL | 0.5 | ug/L | U | 1 |
| 2,2-Dichloropropane | BQL | 0.5 | ug/L | U | 1 |
| 2-Chlorotoluene | BQL | 0.5 | ug/L | U | 1 |
| 2-Hexanone | BQL | 5 | ug/L | U | 1 |
| 4-Chlorotoluene | BQL | 0.5 | ug/L | U | 1 |
| 4-Isopropyltoluene | BQL | 0.5 | ug/L | U | 1 |
| 4-Methyl-2-Pentanone | BQL | 5 | ug/L | U | 1 |
| Acetone | BQL | 5 | ug/L | U | 1 |
| Benzene | BQL | 0.5 | ug/L | U | 1 |
| Bromobenzene | BQL | 0.5 | ug/L | U | 1 |
| Bromochloromethane | BQL | 0.5 | ug/L | U | 1 |
| Bromodichloromethane | BQL | 0.5 | ug/L | U | 1 |
| Bromoform | BQL | 0.5 | ug/L | U | 1 |
| Bromomethane | BQL | 0.5 | ug/L | U | 1 |
| Carbon Disulfide | 0.930 | 0.5 | ug/L | | 1 |
| Carbon Tetrachloride | BQL | 0.5 | ug/L | U | 1 |
| Chlorobenzene | BQL | 0.5 | ug/L | U | 1 |
| Chloroethane | BQL | 0.5 | ug/L | U | 1 |
| Chloroform | BQL | 0.5 | ug/L | U | 1 |
| Chloromethane | BQL | 0.5 | ug/L | U | 1 |
| Dibromochloromethane | BQL | 0.5 | ug/L | U | 1 |

## Summary of Analytical Results

Client ID TRIP BLANK
GPL ID: 7194-010-01-1/2
Matrix: Water
Date Collected: Jul-27-2000
Date Received: Aug-01-2000

Prep Method: SW5030LL
Prep Date: Aug-03-2000
Prep Time: 07:05
Prep Chemist: Jannina S. Bryan

Analytical Method: SW8260LL_TCL
Date Analyzed: Aug-03-2000
Time Analyzed 11:16
Analyst: Alganesh Debesai

| Parameter | Result | Rep Limit | Units | Qualifier | D.F. |
|---|---|---|---|---|---|
| Dibromomethane | BQL | 0.5 | ug/L | U | 1 |
| Dichlorodifluoromethane | BQL | 0.5 | ug/L | U | 1 |
| Ethylbenzene | BQL | 0.5 | ug/L | U | 1 |
| Ethylene DiBromide | BQL | 0.5 | ug/L | U | 1 |
| Hexachlorobutadiene | BQL | 0.5 | ug/L | U | 1 |
| Isopropylbenzene | BQL | 0.5 | ug/L | U | 1 |
| MEK | BQL | 5 | ug/L | U | 1 |
| MTBE | BQL | 0.5 | ug/L | U | 1 |
| Methylene Chloride | 0.990 | 0.5 | ug/L | | 1 |
| Naphthalene | BQL | 0.5 | ug/L | U | 1 |
| Sec-Butylbenzene | BQL | 0.5 | ug/L | U | 1 |
| Styrene | BQL | 0.5 | ug/L | U | 1 |
| Tetrachloroethylene | BQL | 0.5 | ug/L | U | 1 |
| Toluene | BQL | 0.5 | ug/L | U | 1 |
| Trichloroethene | BQL | 0.5 | ug/L | U | 1 |
| Trichlorofluoromethane | BQL | 0.5 | ug/L | U | 1 |
| Vinyl Chloride | BQL | 0.5 | ug/L | U | 1 |
| cis-1,2-Dichloroethene | BQL | 0.5 | ug/L | U | 1 |
| m,p-Xylenes | BQL | 0.5 | ug/L | U | 1 |
| n-Butylbenzene | BQL | 0.5 | ug/L | U | 1 |
| n-Propylbenzene | BQL | 0.5 | ug/L | U | 1 |
| o-Xylene | BQL | 0.5 | ug/L | U | 1 |
| tert-Butylbenzene | BQL | 0.5 | ug/L | U | 1 |
| trans-1,2-dichloroethene | BQL | 0.5 | ug/L | U | 1 |

GPL LABORATORIES, LLP
ANALYTICAL RESULTS

Project Name : NASA Crows Landing Flight Facility

| GPL ID | Client ID |
|---|---|
| 7194-001-02-2/3 | CL1-MW-05 |
| 7194-001-04-1/2 | CL1-MW-05 |
| 7194-001-06-1/2 | CL1-MW-05 |
| 7194-002-01-1/5 | 117-MW-01 |
| 7194-002-06-1/4 | 117-MW-01 |
| 7194-002-10-1/4 | 117-MW-01 |
| 7194-003-01-1/3 | CL1-MW-10S |
| 7194-003-05-2/2 | CL1-MW-10S |
| 7194-003-06-1/2 | CL1-MW-10S |
| 7194-004-02-2/3 DL 100X | CL1-MW-12SDL |
| 7194-004-03-3/3 DL 2500X | CL1-MW-12SDL2 |
| 7194-004-04-1/2 | CL1-MW-12S |
| 7194-004-06-1/2 | CL1-MW-12S |
| 7194-005-02-2/3 DL 100X | CL99-1DL |
| 7194-005-03-3/3 DL 2500X | CL99-1DL2 |
| 7194-005-04-1/2 | CL99-1 |
| 7194-005-06-1/1 | CL99-1 |
| 7194-006-01-1/3 | 17MW12 |
| 7194-006-04-1/2 | 17MW12 |
| 7194-006-06-1/2 | 17MW12 |
| 7194-007-01-1/3 | 17MW03 |
| 7194-007-02-2/3 DL 5X | 17MW03DL |
| 7194-007-04-1/2 | 17MW03 |
| 7194-007-06-1/1 | 17MW03 |
| 7194-008-04-1/2 | RINSE BLANK |
| 7194-009-02-2/3 RE | 117-MW-03RE |
| 7194-009-04-1/2 | 117-MW-03 |
| 7194-009-06-1/2 | 117-MW-03 |
| 7194-010-01-1/2 | TRIP BLANK |

# *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 |

# A. QC Summary

1. Surrogate Percent Recovery Summary
2. Matrix Spike/ Matrix Spike Duplicate Summary
3. Laboratory Control Standard Summary (where applicable)
4. Method Blank Summary

*GPL Laboratories, LLLP*

2C
WATER TPH SURROGATE RECOVERY

Lab Name: GPL Laboratories Contract: IT_CROWS_LANDIN

Lab Code: GPL Case No.: 7194 SAS No.: N/A SDG No.: N/A

| | CLIENT SAMPLE NO. | S1 # | TOT OUT |
|---|---|---|---|
| 01 | TPBLK-A | 93 | 0 |
| 02 | LCSA | 60 | 0 |
| 03 | CL1-MW-05 | 94 | 0 |
| 04 | 117-MW-01 | 19* | 1 |
| 05 | 117-MW-01 MS | 77 | 0 |
| 06 | 117-MW-01 MSD | 93 | 0 |
| 07 | CL1-MW-10S | 94 | 0 |
| 08 | 17MW12 | 97 | 0 |
| 09 | 17MW03 | 81 | 0 |
| 10 | 117-MW-03 | 85 | 0 |
| 11 | CL1-MW-12S DL | * | 1 |
| 12 | CL99-1 DL | * | 1 |

S1 = Terphenyl - d14 QC LIMITS (34-103)

# Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate diluted out

3C

WATER TPH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: GPL Laboratories Contract: IT_CROWS_LAN

Lab Code: GPL Case No.: 7194 SAS No.: N/A SDG No.: N/A

Matrix Spike - EPA Sample No.: 117-MW-01

| COMPOUND | SPIKE ADDED (ug/L) | SAMPLE CONCENTRATION (ug/L) | MS CONCENTRATION (ug/L) | MS % REC # | QC LIMITS REC. |
|---|---|---|---|---|---|
| Diesel Range Organics (DRO) | 1.0 | 0.072 | 0.76 | 68 | 42 - 118 |

| COMPOUND | SPIKE ADDED (ug/L) | MSD CONCENTRATION (ug/L) | MSD % REC # | % RPD # | QC LIMITS RPD | QC LIMITS REC. |
|---|---|---|---|---|---|---|
| Diesel Range Organics (DRO) | 1.0 | 0.82 | 75 | 8 | 25 | 42 - 118 |

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

* Values outside of QC limits

RPD: 0 out of 1 outside limits

Spike Recovery: 0 out of 2 outside limits

COMMENTS:

0 3004

## WATER LCS TOTAL PETROLEUM HYDROCARBON DATA SHEET

Lab Name: GPL Laboratories

Client: IT CORPORATION

Lab Code: GPL

EPA Sample No.: LCSA

Lab Sa TPBLK-1742-MS

| COMPOUND | SPIKE ADDED mg/L) | LCS CONCENTRATION mg/L) | LCS % REC | QC LIMITS REC |
|---|---|---|---|---|
| Diesel | 1.0 | 0.50 | 48 | 42-118 |

* Value outside of QC limits

COMMENTS:

4B

TPH METHOD BLANK SUMMARY

EPA SAMPLE NO.

TPBLK-A

Lab Name: GPL Laboratories Contract: IT_CROWS_L

Lab Code: GPL Case No.: 7194 SAS No.: N/A SDG No.: N/A

Lab File ID: M03438.D Lab Sample ID: BLK1742

Instrument ID: GC-M Date Extracted: 08/02/00

Matrix: (soil/water) WATER Date Analyzed: 08/07/00

Level: (low/med) LOW Time Analyzed: 10:01

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

| | Client Sample NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED |
|---|---|---|---|---|
| 01 | LCSA | BLK1742 MS | M03439.D | 08/07/00 |
| 02 | CL1-MW-05 | 7194-001-04-1/2 | M03440.D | 08/07/00 |
| 03 | 117-MW-01 | 7194-002-06-1/4 | M03441.D | 08/07/00 |
| 04 | 117-MW-01 MS | 7194-002-06-1/4MS | M03442.D | 08/07/00 |
| 05 | 117-MW-01 MSD | 7194-002-06-1/4MSD | M03443.D | 08/07/00 |
| 06 | CL1-MW-10S | 7194-003-06-1/2 | M03444.D | 08/07/00 |
| 07 | 17MW12 | 7194-006-04-1/2 | M03447.D | 08/07/00 |
| 08 | 17MW03 | 7194-007-04-1/2 | M03449.D | 08/07/00 |
| 09 | 117-MW-03 | 7194-009-04-1/2 | M03450.D | 08/07/00 |
| 10 | CL1-MW-12S DL | 7194-004-1000X | M03484.D | 08/16/00 |
| 11 | CL99-1 DL | 7194-005-10X | M03485.D | 08/16/00 |

COMMENTS:

0: 3006

1B
TPH ANALYSIS DATA SHEET

EPA SAMPLE NO.

TPBLK-A

Lab Name: GPL Laboratories Contract: IT_CROWS_L

Lab Code: GPL Case No.: 7194 SAS No.: N/A SDG No.: N/A

Matrix: (soil/water) WATER Lab Sample ID: BLK1742

Sample wt/vol: 1000 (g/ml) ML Lab File ID: M03438.D

Level: (low/med) LOW Date Received: 08/01/00

% Moisture: _____ decanted:(Y/N) N Date Extracted: 08/02/00

Concentrated Extract Volume: 2000 (uL) Date Analyzed: 08/07/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:
(mg/L or mg/Kg) MG/L

| CAS NO. | COMPOUND | | Q |
|---|---|---|---|
| | Diesel Range Organics (DRO) | 0.20 | U |
| | Heavy Oil | 1.00 | U |

# SAMPLE DATA PACKAGE

## GASOLINE RANGE ORGANICS (GRO)

A. QC Summary

B. Sample Data

C. Standards Data

D. Raw QC Data

*GPL Laboratories, LLLP*

# A. QC Summary

1. Surrogate Percent Recovery Summary
2. Matrix Spike/ Matrix Spike Duplicate Summary
3. Laboratory Control Standard Summary (where applicable)
4. Method Blank Summary
5. VOA Instrument Performance Check
6. VOA Internal Standard Area and RT Summary

*GPL Laboratories, LLLP*

2A
WATER 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

| | CLIENT SAMPLE NO. | SMC1 # | TOT OUT |
|---|---|---|---|
| 01 | BLK | 84 | 0 |
| 02 | BKS | 99 | 0 |
| 03 | CL1-MW-05 | 83 | 0 |
| 04 | 117-MW-01 | 78 | 0 |
| 05 | 117-MW-01MS | 92 | 0 |
| 06 | 117-MW-01MSD | 115 | 0 |
| 07 | CL1-MW-10S | 107 | 0 |
| 08 | CL1-MW-12SDL | 117 | 0 |
| 09 | CL99-1DL | 116 | 0 |
| 10 | 17MW12 | 113 | 0 |
| 11 | 17MW03 | 81 | 0 |
| 12 | RINSE BLANK | 79 | 0 |
| 13 | 117-MW-03 | 99 | 0 |
| 14 | BLK | 85 | 0 |
| 15 | BKS | 96 | 0 |
| 16 | 17MW03 RE | 93 | 0 |
| 17 | RINSE BLANK RE | 81 | 0 |
| 18 | 117-MW-03 RE | 95 | 0 |

SMC1 = BFB

QC LIMITS
(55-126)

# Column to be used to flag recovery values
* Values outside of contract required QC limits
D System Monitoring Compound diluted out

2003

3A

WATER 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.: 117-MW-01

| COMPOUND | SPIKE ADDED (ug/L) | SAMPLE CONCENTRATION (ug/L) | MS CONCENTRATION (ug/L) | MS % REC # | QC LIMITS REC. |
|---|---|---|---|---|---|
| TPH GRO | 500 | 0.0 | 530 | 106 | 69 - 120 |

| COMPOUND | SPIKE ADDED (ug/L) | MSD CONCENTRATION (ug/L) | MSD % REC # | % RPD # | QC LIMITS RPD | QC LIMITS REC. |
|---|---|---|---|---|---|---|
| TPH GRO | 500 | 580 | 116 | 9 | 20 | 69 - 120 |

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

* Values outside of QC limits

RPD: 0 out of 1 outside limits

Spike Recovery: 0 out of 2 outside limits

COMMENTS:

2004

LAB CONTROL SAMPLE RECOVERY

| | | | | | |
|---|---|---|---|---|---|
| Lab Name: | GPL Laboratories | | | Contract: | IT_CORP |
| Case No.: | N/A | | | SDG No.: | N/A |
| Lab Code: | GPLL | | | Lab Sample ID: | BKS |
| Lab File ID: | G06600.D | Matrix: | WATER | Date Analyzed: | 8/8/00 |

| Compound | LCS Added (ug/L) | Concentration Found ug/L) | Percent Recovery | Internal Laboratory Limits |
|---|---|---|---|---|
| GRO | 500 | 530.00 | 106 | 67-125 |

* Value outside internal laboratory limits

Comments: _____

LAB CONTROL SAMPLE RECOVERY

| | | | | | |
|---|---|---|---|---|---|
| Lab Name: | GPL Laboratories | | | Contract: | IT_CORP |
| Case No.: | N/A | | | SDG No.: | N/A |
| Lab Code: | GPLL | | | Lab Sample ID: | BKS |
| Lab File ID: | G06645.D | Matrix: | WATER | Date Analyzed: | 8/11/00 |

| Compound | LCS Added (ug/L) | Concentration Found (ug/L) | Percent Recovery | Internal Laboratory Limits |
|---|---|---|---|---|
| GRO | 500 | 436.00 | 87 | 67-125 |

* Value outside internal laboratory limits

Comments: _____

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

BLK

Lab Name: GPL LABORATORIES, LLLP Contract: IT_CORPO

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

Lab File ID: G06599.D Lab Sample ID: BLK1

Date Analyzed: 08/08/00 Time Analyzed: 15:12

GC Column: RTX624 ID: 0.53 (mm) Heated Purge: (Y/N) Y

Instrument ID:

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

| | EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | TIME ANALYZED |
|---|---|---|---|---|
| 01 | BKS | BKS1 | G06600.D | 15:55 |
| 02 | CL1-MW-05 | 7194-001 | G06601.D | 16:29 |
| 03 | 117-MW-01 | 7194-002 | G06602.D | 17:05 |
| 04 | 117-MW-01MS | 7194-002MS | G06603.D | 17:41 |
| 05 | 117-MW-01MSD | 7194-002MSD | G06604.D | 18:16 |
| 06 | CL1-MW-10S | 7194-003 | G06605.D | 18:51 |
| 07 | CL1-MW-12SDL | 7194-004DL X200 | G06606.D | 19:28 |
| 08 | CL99-1DL | 7194-005DL X200 | G06607.D | 20:03 |
| 09 | 17MW12 | 7194-006 | G06608.D | 20:38 |
| 10 | 17MW03 | 7194-007 | G06610.D | 21:51 |
| 11 | RINSE BLANK | 7194-008 | G06611.D | 22:28 |
| 12 | 117-MW-03 | 7194-009 | G06612.D | 23:04 |

COMMENTS:

200

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

BLK

Lab Name: GPL LABORATORIES, LLLP Contract: IT_CORPO

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

Lab File ID: G06644.D Lab Sample ID: BLK2

Date Analyzed: 08/11/00 Time Analyzed: 16:21

GC Column: RTX624 ID: 0.53 (mm) Heated Purge: (Y/N) Y

Instrument ID:

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

| | EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | TIME ANALYZED |
|---|---|---|---|---|
| 01 | BKS | BKS2 | G06645.D | 16:57 |
| 02 | 17MW03 RE | 7194-007 RE | G06646.D | 17:35 |
| 03 | RINSE BLANK RE | 7194-008 RE | G06647.D | 18:11 |
| 04 | 117-MW-03 RE | 7194-009 RE | G06648.D | 18:48 |

COMMENTS:

200

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BLK

Lab Name: GPL LABORATORIES, LLLP Contract: IT_CORPORA

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

Matrix: (soil/water) WATER Lab Sample ID: BLK1

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: G06599.D

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 08/08/00

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

| CAS NO. | COMPOUND | (ug/L or ug/Kg) UG/L | Q |
|---|---|---|---|
| | TPH GRO | 100 | U |
| | Total Unknown | 100 | U |

2073

# SAMPLE DATA PACKAGE

## VOLATILE DATA

A. QC Summary

B. Sample Data

C. Standards Data

D. Raw QC Data

*GPL Laboratories, LLLP*

# A. QC Summary

1. Surrogate Percent Recovery Summary
2. Matrix Spike/ Matrix Spike Duplicate Summary
3. Laboratory Control Standard Summary (where applicable)
4. Method Blank Summary

*GPL Laboratories, LLLP*

2A

WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: GPL LABORATORIES, LLLP Contract: NASA_CROWS_LAN

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 | VBLKA | 97 | 96 | 93 | 93 | 0 |
| 02 | RINSE BLANK | 87 | 85 | 84 | 83 | 0 |
| 03 | TRIP BLANK | 93 | 88 | 92 | 91 | 0 |
| 04 | 117-MW-01 | 94 | 82 | 84 | 84 | 0 |
| 05 | 117-MW-01 MS | 98 | 87 | 96 | 89 | 0 |
| 06 | 117-MW-01 MSD | 89 | 85 | 92 | 82 | 0 |
| 07 | CL1-MW-10S | 100 | 89 | 93 | 92 | 0 |
| 08 | 17MW12 | 78 | 132 * | 103 | 94 | 1 |
| 09 | 17MW03 | 69 * | 117 | 93 | 90 | 1 |
| 10 | 117-MW-03 | 72 * | 101 | 83 | 81 | 1 |
| 11 | VBLKB | 81 | 109 | 90 | 93 | 0 |
| 12 | CL1-MW-05 | 95 | 109 | 91 | 95 | 0 |
| 13 | CL1-MW-12S DL1 | 126 | 142 * | 125 * | 126 | 2 |
| 14 | CL99-1 DL1 | 96 | 108 | 99 | 99 | 0 |
| 15 | 17MW12 DL | 87 | 98 | 85 | 84 | 0 |
| 16 | 17MW03 DL | 86 | 92 | 84 | 88 | 0 |
| 17 | VBLKC | 82 | 96 | 85 | 83 | 0 |
| 18 | CL1-MW-12S DL2 | 86 | 104 | 92 | 93 | 0 |
| 19 | CL99-1 DL2 | 88 | 98 | 88 | 88 | 0 |
| 20 | 117-MW-03 RE | 79 | 84 | 78 * | 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

3A

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: GPL LABORATORIES, LLLP Contract: NASA_CROWS_

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

Matrix Spike - EPA Sample No.: 117-MW-01

| COMPOUND | SPIKE ADDED (ug/L) | SAMPLE CONCENTRATION (ug/L) | MS CONCENTRATION (ug/L) | MS % REC # | QC LIMITS REC. |
|---|---|---|---|---|---|
| Trichloroethene | 10 | 0.0 | 10 | 100 | 79 - 115 |
| Toluene | 10 | 0.0 | 10 | 100 | 80 - 115 |
| 1,1-Dichloroethene | 10 | 0.0 | 11 | 110 | 53 - 129 |
| Benzene | 10 | 0.0 | 11 | 110 | 80 - 116 |
| Chlorobenzene | 10 | 0.0 | 11 | 110 * | 80 - 108 |

| COMPOUND | SPIKE ADDED (ug/L) | MSD CONCENTRATION (ug/L) | MSD % REC # | % RPD # | QC LIMITS RPD | QC LIMITS REC. |
|---|---|---|---|---|---|---|
| Trichloroethene | 10 | 8.7 | 87 | 14 | 20 | 79 - 115 |
| Toluene | 10 | 9.1 | 91 | 9 | 20 | 80 - 115 |
| 1,1-Dichloroethene | 10 | 9.2 | 92 | 18 | 20 | 53 - 129 |
| Benzene | 10 | 9.4 | 94 | 16 | 20 | 80 - 116 |
| Chlorobenzene | 10 | 8.9 | 89 | 21 * | 20 | 80 - 108 |

# 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:

4A

# VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLKA

Lab Name: GPL LABORATORIES, LLLP Contract: NASA_CRO

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

Lab File ID: E21306.D Lab Sample ID: BLK0803

Date Analyzed: 08/03/00 Time Analyzed: 08:27

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

Instrument ID: HP#E

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

| | EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | TIME ANALYZED |
|---|---|---|---|---|
| 01 | RINSE BLANK | 7194-008-01-1/3 | E21310.D | 10:42 |
| 02 | TRIP BLANK | 7194-010-01-1/3 | E21311.D | 11:16 |
| 03 | 117-MW-01 | 7194-002-01-1/3 | E21313.D | 12:23 |
| 04 | 117-MW-01 MS | 7194-002-01-1/3 MS | E21314.D | 12:57 |
| 05 | 117-MW-01 MSD | 7194-002-01-1/3 MSD | E21315.D | 13:31 |
| 06 | CL1-MW-10S | 7194-003-01-1/3 | E21316.D | 14:05 |
| 07 | 17MW12 | 7194-006-01-1/3 | E21319.D | 15:50 |
| 08 | 17MW03 | 7194-007-01-1/3 | E21320.D | 16:24 |
| 09 | 117-MW-03 | 7194-009-01-1/3 | E21321.D | 16:57 |

COMMENTS

4A

# VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLKB

Lab Name: GPL LABORATORIES, LLLP Contract: NASA_CRO

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

Lab File ID: E21330.D Lab Sample ID: BLK0804

Date Analyzed: 08/04/00 Time Analyzed: 11:13

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

Instrument ID: HP#E

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

| | EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | TIME ANALYZED |
|---|---|---|---|---|
| 01 | CL1-MW-05 | 7194-001-02-2/3 | E21336.D | 14:37 |
| 02 | CL1-MW-12S DL1 | 7194-004-02-2/3 DL 10 | E21337.D | 15:11 |
| 03 | CL99-1 DL1 | 7194-005-02-2/3 DL 10 | E21338.D | 15:45 |
| 04 | 17MW12 DL | 7194-006-02-2/3 DL 50 | E21339.D | 16:18 |
| 05 | 17MW03 DL | 7194-007-02-2/3 DL 5 | E21340.D | 16:52 |

COMMENTS

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLKC

Lab Name: GPL LABORATORIES, LLLP Contract: NASA_CRO

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

Lab File ID: E21344.D Lab Sample ID: BLK0807

Date Analyzed: 08/07/00 Time Analyzed: 07:56

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

Instrument ID: HP#E

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

| | EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | TIME ANALYZED |
|---|---|---|---|---|
| 01 | CL1-MW-12S DL2 | 7194-004-03-3/3 DL 25 | E21348.D | 10:11 |
| 02 | CL99-1 DL2 | 7194-005-03-3/3 DL 25 | E21350.D | 11:19 |
| 03 | 117-MW-03 | 7194-009-02-2/3 | E21352.D | 12:27 |

COMMENTS

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKA

Lab Name: GPL LABORATORIES, LLLP Contract: NASA_CROW

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

Matrix: (soil/water) WATER Lab Sample ID: BLK0803

Sample wt/vol: 25.000 (g/ml) ML Lab File ID: E21306.D

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 08/03/00

GC Column: RTX VO ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

| CAS NO. | COMPOUND (ug/L or ug/Kg) | UG/L | Q |
|---|---|---|---|
| 156-60-5 | Trans-1,2-dichloroethene | 1.0 | U |
| 67-66-3 | Chloroform | 1.0 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 1.0 | U |
| 56-23-5 | Carbon tetrachloride | 1.0 | U |
| 107-06-2 | 1,2-Dichloroethane | 1.0 | U |
| 79-01-6 | Trichloroethene | 1.0 | U |
| 78-87-5 | 1,2-Dichloropropane | 1.0 | U |
| 108-88-3 | Toluene | 1.0 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 1.0 | U |
| 127-18-4 | Tetrachloroethene | 1.0 | U |
| 74-87-3 | Chloromethane | 1.0 | U |
| 74-83-9 | Bromomethane | 1.0 | U |
| 75-00-3 | Chloroethane | 1.0 | U |
| 75-35-4 | 1,1-Dichloroethene | 1.0 | U |
| 75-34-3 | 1,1-Dichloroethane | 1.0 | U |
| 75-27-4 | Bromodichloromethane | 1.0 | U |
| 71-43-2 | Benzene | 1.0 | U |
| 124-48-1 | Dibromochloromethane | 1.0 | U |
| 75-25-2 | Bromoform | 1.0 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 1.0 | U |
| 108-90-7 | Chlorobenzene | 1.0 | U |
| 100-41-4 | Ethylbenzene | 1.0 | U |
| 100-42-5 | Styrene | 1.0 | U |
| 75-01-4 | Vinyl chloride | 1.0 | U |
| 156-59-2 | Cis-1,2-dichloroethene | 1.0 | U |
| 75-09-2 | Methylene chloride | 1.0 | U |
| 75-71-B | Dichlorodifluoromethane | 1.0 | U |
| 75-69-4 | Trichlorofluoromethane | 1.0 | U |
| 594-20-7 | 2,2-Dichloropropane | 1.0 | U |
| 75-27-4 | Bromochloromethane | 1.0 | U |
| 563-58-6 | 1,1-Dichloropropene | 1.0 | U |
| 74-95-3 | Dibromomethane | 1.0 | U |
| 142-28-9 | 1,3-Dichloropropane | 1.0 | U |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | 1.0 | U |
| 98-82-8 | Isopropylbenzene | 1.0 | U |
| 108-86-1 | Bromobenzene | 1.0 | U |
| 96-18-4 | 1,2,3-Trichloropropane | 1.0 | U |
| 103-65-1 | N-propylbenzene | 1.0 | U |
| 95-49-8 | 2-Chlorotoluene | 1.0 | U |

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKA

Lab Name: GPL LABORATORIES, LLLP Contract: NASA_CROW

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

Matrix: (soil/water) WATER Lab Sample ID: BLK0803

Sample wt/vol: 25.000 (g/ml) ML Lab File ID: E21306.D

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 08/03/00

GC Column: RTX VO ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

| CAS NO. | COMPOUND (ug/L or ug/Kg) | UG/L | Q |
|---|---|---|---|
| 106-43-4 | 4-Chlorotoluene | 1.0 | U |
| 108-67-8 | 1,3,5-Trimethylbenzene | 1.0 | U |
| 98-06-6 | Tert-butylbenzene | 1.0 | U |
| 120-82-1 | 1,2,4-Trimethylbenzene | 1.0 | U |
| 135-98-8 | Sec-butylbenzene | 1.0 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 1.0 | U |
| 99-87-6 | 4-Isopropyltoluene | 1.0 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 1.0 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 1.0 | U |
| 104-51-8 | n-Butylbenzene | 1.0 | U |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | 1.0 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 1.0 | U |
| 87-68-3 | Hexachlorobutadiene | 1.0 | U |
| 91-20-3 | Naphthalene | 1.0 | U |
| 87-61-6 | 1,2,3-Trichlorobenzene | 1.0 | U |
| 1330-20-7 | m,p-xylene | 1.0 | U |
| 95-47-6 | o-xylene | 1.0 | U |
| 1634-04-4 | MTBE | 1.0 | U |
| 75-15-0 | Carbon disulfide | 1.0 | U |
| 67-64-1 | Acetone | 5.0 | U |
| 78-93-3 | 2-Butanone | 5.0 | U |
| 108-10-1 | 4-Methyl-2-pentanone | 5.0 | U |
| 591-78-6 | 2-Hexanone | 5.0 | U |
| 106-93-4 | 1,2-Dibromethane | 1.0 | U |

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKB

Lab Name: GPL LABORATORIES, LLLP Contract: NASA_CROW

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

Matrix: (soil/water) WATER Lab Sample ID: BLK0804

Sample wt/vol: 25.000 (g/ml) ML Lab File ID: E21330.D

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 08/04/00

GC Column: RTX VO ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

| CAS NO. | COMPOUND (ug/L or ug/Kg) | UG/L | Q |
|---|---|---|---|
| 156-60-5 | Trans-1,2-dichloroethene | 1.0 | U |
| 67-66-3 | Chloroform | 1.0 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 1.0 | U |
| 56-23-5 | Carbon tetrachloride | 1.0 | U |
| 107-06-2 | 1,2-Dichloroethane | 1.0 | U |
| 79-01-6 | Trichloroethene | 1.0 | U |
| 78-87-5 | 1,2-Dichloropropane | 1.0 | U |
| 108-88-3 | Toluene | 1.0 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 1.0 | U |
| 127-18-4 | Tetrachloroethene | 1.0 | U |
| 74-87-3 | Chloromethane | 1.0 | U |
| 74-83-9 | Bromomethane | 1.0 | U |
| 75-00-3 | Chloroethane | 1.0 | U |
| 75-35-4 | 1,1-Dichloroethene | 1.0 | U |
| 75-34-3 | 1,1-Dichloroethane | 1.0 | U |
| 75-27-4 | Bromodichloromethane | 1.0 | U |
| 71-43-2 | Benzene | 1.0 | U |
| 124-48-1 | Dibromochloromethane | 1.0 | U |
| 75-25-2 | Bromoform | 1.0 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 1.0 | U |
| 108-90-7 | Chlorobenzene | 1.0 | U |
| 100-41-4 | Ethylbenzene | 1.0 | U |
| 100-42-5 | Styrene | 1.0 | U |
| 75-01-4 | Vinyl chloride | 1.0 | U |
| 156-59-2 | Cis-1,2-dichloroethene | 1.0 | U |
| 75-09-2 | Methylene chloride | 0.8 | J |
| 75-71-B | Dichlorodifluoromethane | 1.0 | U |
| 75-69-4 | Trichlorofluoromethane | 1.0 | U |
| 594-20-7 | 2,2-Dichloropropane | 1.0 | U |
| 75-27-4 | Bromochloromethane | 1.0 | U |
| 563-58-6 | 1,1-Dichloropropene | 1.0 | U |
| 74-95-3 | Dibromomethane | 1.0 | U |
| 142-28-9 | 1,3-Dichloropropane | 1.0 | U |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | 1.0 | U |
| 98-82-8 | Isopropylbenzene | 1.0 | U |
| 108-86-1 | Bromobenzene | 1.0 | U |
| 96-18-4 | 1,2,3-Trichloropropane | 1.0 | U |
| 103-65-1 | N-propylbenzene | 1.0 | U |
| 95-49-8 | 2-Chlorotoluene | 1.0 | U |

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKB

Lab Name: GPL LABORATORIES, LLLP Contract: NASA_CROW

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

Matrix: (soil/water) WATER Lab Sample ID: BLK0804

Sample wt/vol: 25.000 (g/ml) ML Lab File ID: E21330.D

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 08/04/00

GC Column: RTX VO ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

| CAS NO. | COMPOUND (ug/L or ug/Kg) | UG/L | Q |
|---|---|---|---|
| 106-43-4 | 4-Chlorotoluene | 1.0 | U |
| 108-67-8 | 1,3,5-Trimethylbenzene | 1.0 | U |
| 98-06-6 | Tert-butylbenzene | 1.0 | U |
| 120-82-1 | 1,2,4-Trimethylbenzene | 1.0 | U |
| 135-98-8 | Sec-butylbenzene | 1.0 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 1.0 | U |
| 99-87-6 | 4-Isopropyltoluene | 1.0 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 1.0 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 1.0 | U |
| 104-51-8 | n-Butylbenzene | 1.0 | U |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | 1.0 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 1.0 | U |
| 87-68-3 | Hexachlorobutadiene | 1.0 | U |
| 91-20-3 | Naphthalene | 1.0 | U |
| 87-61-6 | 1,2,3-Trichlorobenzene | 1.0 | U |
| 1330-20-7 | m,p-xylene | 1.0 | U |
| 95-47-6 | o-xylene | 1.0 | U |
| 1634-04-4 | MTBE | 1.0 | U |
| 75-15-0 | Carbon disulfide | 1.0 | U |
| 67-64-1 | Acetone | 5.0 | U |
| 78-93-3 | 2-Butanone | 5.0 | U |
| 108-10-1 | 4-Methyl-2-pentanone | 5.0 | U |
| 591-78-6 | 2-Hexanone | 5.0 | U |
| 106-93-4 | 1,2-Dibromethane | 1.0 | U |

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKC

Lab Name: GPL LABORATORIES, LLLP Contract: NASA_CROW

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

Matrix: (soil/water) WATER Lab Sample ID: BLK0807

Sample wt/vol: 25.000 (g/ml) ML Lab File ID: E21344.D

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 08/07/00

GC Column: RTX VO ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

| CAS NO. | COMPOUND (ug/L or ug/Kg) | UG/L | Q |
|---|---|---|---|
| 156-60-5 | Trans-1,2-dichloroethene | 1.0 | U |
| 67-66-3 | Chloroform | 1.0 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 1.0 | U |
| 56-23-5 | Carbon tetrachloride | 1.0 | U |
| 107-06-2 | 1,2-Dichloroethane | 1.0 | U |
| 79-01-6 | Trichloroethene | 1.0 | U |
| 78-87-5 | 1,2-Dichloropropane | 1.0 | U |
| 108-88-3 | Toluene | 1.0 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 1.0 | U |
| 127-18-4 | Tetrachloroethene | 1.0 | U |
| 74-87-3 | Chloromethane | 1.0 | U |
| 74-83-9 | Bromomethane | 1.0 | U |
| 75-00-3 | Chloroethane | 1.0 | U |
| 75-35-4 | 1,1-Dichloroethene | 1.0 | U |
| 75-34-3 | 1,1-Dichloroethane | 1.0 | U |
| 75-27-4 | Bromodichloromethane | 1.0 | U |
| 71-43-2 | Benzene | 1.0 | U |
| 124-48-1 | Dibromochloromethane | 1.0 | U |
| 75-25-2 | Bromoform | 1.0 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 1.0 | U |
| 108-90-7 | Chlorobenzene | 1.0 | U |
| 100-41-4 | Ethylbenzene | 1.0 | U |
| 100-42-5 | Styrene | 1.0 | U |
| 75-01-4 | Vinyl chloride | 1.0 | U |
| 156-59-2 | Cis-1,2-dichloroethene | 1.0 | U |
| 75-09-2 | Methylene chloride | 1.0 | U |
| 75-71-B | Dichlorodifluoromethane | 1.0 | U |
| 75-69-4 | Trichlorofluoromethane | 1.0 | U |
| 594-20-7 | 2,2-Dichloropropane | 1.0 | U |
| 75-27-4 | Bromochloromethane | 1.0 | U |
| 563-58-6 | 1,1-Dichloropropene | 1.0 | U |
| 74-95-3 | Dibromomethane | 1.0 | U |
| 142-28-9 | 1,3-Dichloropropane | 1.0 | U |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | 1.0 | U |
| 98-82-8 | Isopropylbenzene | 1.0 | U |
| 108-86-1 | Bromobenzene | 1.0 | U |
| 96-18-4 | 1,2,3-Trichloropropane | 1.0 | U |
| 103-65-1 | N-propylbenzene | 1.0 | U |
| 95-49-8 | 2-Chlorotoluene | 1.0 | U |

0 1211

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKC

Lab Name: GPL LABORATORIES, LLLP Contract: NASA_CROW

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

Matrix: (soil/water) WATER Lab Sample ID: BLK0807

Sample wt/vol: 25.000 (g/ml) ML Lab File ID: E21344.D

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 08/07/00

GC Column: RTX VO ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

| CAS NO. | COMPOUND (ug/L or ug/Kg) | UG/L | Q |
|---|---|---|---|
| 106-43-4 | 4-Chlorotoluene | 1.0 | U |
| 108-67-8 | 1,3,5-Trimethylbenzene | 1.0 | U |
| 98-06-6 | Tert-butylbenzene | 1.0 | U |
| 120-82-1 | 1,2,4-Trimethylbenzene | 1.0 | U |
| 135-98-8 | Sec-butylbenzene | 1.0 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 1.0 | U |
| 99-87-6 | 4-Isopropyltoluene | 1.0 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 1.0 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 1.0 | U |
| 104-51-8 | n-Butylbenzene | 1.0 | U |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | 1.0 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 1.0 | U |
| 87-68-3 | Hexachlorobutadiene | 1.0 | U |
| 91-20-3 | Naphthalene | 1.0 | U |
| 87-61-6 | 1,2,3-Trichlorobenzene | 1.0 | U |
| 1330-20-7 | m,p-xylene | 1.0 | U |
| 95-47-6 | o-xylene | 1.0 | U |
| 1634-04-4 | MTBE | 1.0 | U |
| 75-15-0 | Carbon disulfide | 1.0 | U |
| 67-64-1 | Acetone | 5.0 | U |
| 78-93-3 | 2-Butanone | 5.0 | U |
| 108-10-1 | 4-Methyl-2-pentanone | 5.0 | U |
| 591-78-6 | 2-Hexanone | 5.0 | U |
| 106-93-4 | 1,2-Dibromethane | 1.0 | U |