SDMS Document
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DATE: August 10, 2007

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THROUGH: Parry Bhambra, REAC Operations Section Leader
Jeff Bradstreet, REAC Air Section Leader
Jessica Fry, REAC Task Leader

FROM: Tim Macaluso, REAC Geologist

SUBJECT: ROOSEVELT FIELD SOIL BORING EVENT JULY 2007
WORK ASSIGNMENT NO. 0-254.1 - TRIP REPORT

## INTRODUCTION

This Trip Report (TR) documents the site activities performed at the Roosevelt Field Site (site) July 9 through July 24, 2007. The objective of this sampling event was to evaluate subsurface soils at the site located in Garden City, Nassau County, Long Island, New York (NY). Lockheed Martin personnel were tasked by the United States Environmental Protection Agency (EPA) Environmental Response Team (ERT) under the Response Engineering and Analytical Contract (REAC) to collect samples from soil borings located near soil gas sample points that had volatile organic compounds (VOC) concentrations higher than 0.1 part per million (ppm).

## BACKGROUND

The Old Roosevelt Field Contaminated Ground Water Area (ORCA) Site is located east of Clinton Road and south of the intersection with Old Country Road (Figure 1). That intersection of Old Country and Clinton Roads was the northwest corner of Roosevelt Field and its predecessors. The site was used for aviation activities from 1911 until May 1951.

The original airfield, known as the Hempstead Plains Aerodrome, was approximately 1,000 acres, and used by the U.S. military before entering into World War I. On September 24, 1918, the Army changed the name of the airfield to Roosevelt Field. In the 1920's, Roosevelt Field was separated into two airfields. The eastern field was sold in 1936 and became a racetrack, while the western field located near the corner of Clinton and Old Country Roads continued to operate as an aviation center.

After World War II, Roosevelt Field reverted to a commercial airport until it closed in May 1951.



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Commercial development of the site began in 1956 and the site is currently occupied by the Roosevelt Field Shopping Mall and Garden City Plaza. The Garden City Municipal Wells No. 10 and No.11 were installed at what had been the southwestern corner of the airfield in 1952. The wells were put into production in 1953 and each well is estimated to serve about 3,400 residents.

Tetrachloroethene (PCE) and trichloroethene (TCE) concentrations have been increasing in the wells since they were first sampled in the late 1970s and early 1980s. In 1987, an air-stripping treatment system was installed at the site to remove VOCs that include PCE and TCE from the production water being pumped from wells No. 10 and No. 11. The treatment system was upgraded in 1999. Today Nassau County conducts regular well sampling and analysis to ensure the water quality meets drinking water standards.

In April and June 2007 personnel from ERT and REAC mobilized to the site to conduct soil gas sampling. On April 26, 2007 the WA was amended with additional hours for a more involved subsurface investigation to determine if contaminated soils were the cause of VOC vapors on-site.

## METHODS

On July 19, 2007 personnel from REAC mobilized to the site to collect soil samples using direct push technology. Soil borings were advanced by the subcontractor, Zebra Environmental Inc. using a Geoprobe® 6610 truck mounted unit. The soil borings were located near soil gas sampling points installed under an earlier REAC investigation that identified chlorinated VOC concentrations above 0.1 ppm. The soil borings were advanced to either the water table or 40 foot below ground (bgs), whichever was shallower. Soil cores were extracted in five foot intervals in acetate sleeves and cut along its length for logging and sampling. The cut cores were screened using a MultiRae® Photo-Ionization Detector (PID) at one foot intervals for the presence of VOCs.

Soil samples were collected from the 15 foot bgs interval, the water table or end of boring, and where there was a PID response. Usually two to three soil samples were collected per boring. The soil samples to be analyzed for percent soil moisture were collected in 2-ounce clear wide mouth jars. Soil samples that were analyzed for VOCs were collected in 25-gram EnCore® samplers. The samples were preserved on ice, packed in coolers and delivered to the REAC Laboratories in Edison, New Jersey (NJ). The soil samples were analyzed for VOCs using method 8260 and compared to the New York State Department of Environmental Conservation (NYSDEC) Technical and Administrative Guidance Memorandum (TAGM) #4046 for each chemical of concern (Table 1). At the request of the WAM, data validation was performed only for the contaminants of concern.

## ACTIVITIES AND OBSERVATIONS

Seventeen of the 19 soil borings were advanced to 40 feet bgs or the water table. Only borings SB E-14 and SB H-1 met refusal at 20 and 25 feet bgs respectively. No VOCs were found above the method detection limit (MDL) in the 47 samples analyzed. At two locations (SB A-13 and SB A-2) the PID detected VOCs above background levels. However, SB A-2 was sampled and no VOCs concentrations were found above the MDL.

Analytical results indicate there is no relation between elevated VOC concentrations in soil gas and VOC concentrations in the subsurface soils.

Table 2 lists the soil borings chronologically with the date collected, total depth of the boring, PID readings



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and samples collected. Analytical results are located in Appendix A and summarized in Table 1.

FUTURE ACTIVITIES

No future activities are planned for this site.

REFERENCES

Lockheed Martin/REAC. 2007. Roosevelt Field Groundwater Contamination Site Trip Report (September 2007), Garden City, NY. Work Assignment EAC00254. Contract EP-C-04-032. ##p

New York State Department Of Environmental Conservation (NYSDEC). 1994. Technical and Administrative Guidance Memorandum (TAGM) #4046, Determination of Soil Cleanup Objectives and Cleanup Levels.

cc: Central File - WA #EAC00254.1(w/attachment)
Electronic File - L:/Archive/REAC4/0254/D/TR/025.1-DTR-081907
REAC Program Manager (cover page only)

# Tables

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TABLE 1
Summary of Analytical Results
Roosevelt Field Site
Garden City, New York
August 2007

| Analyte / Soil Boring | Trichloroethene | Tetrachlorethene | Vinyl Chloride | 1,1-Dichlotoethene | 1,1-Dichlotoethane | *trans*-1,2-Dichlotoethene | *cis*-1,2-Dichlotoethene | Carbon Tetrachloride | 1,2-1,1-Dichlotoethane |
|---|---|---|---|---|---|---|---|---|---|
| NYSDEC TAGM soil cleanup objective | 0.8 | 1.4 | 0.2 | 0.4 | 0.2 | 0.3 | nl | 0.6 | 0.1 |
| A-0 (15') | .005 U | .005 U | .005 U | .005 U | .005 U | .005 U | .005 U | .005 U | .005 U |
| A-0 (17') | .005 U | .005 U | .005 U | .005 U | .005 U | .005 U | .005 U | .005 U | .005 U |
| A-0 (39') | .006 U | .006 U | .006 U | .006 U | .006 U | .006 U | .006 U | .006 U | .006 U |
| A-1 (15') | .005 U | .005 U | .005 U | .005 U | .005 U | .005 U | .005 U | .005 U | .005 U |
| A-1 (38') | .006 U | .006 U | .006 U | .006 U | .006 U | .006 U | .006 U | .006 U | .006 U |
| A-2 (15') | .005 U | .005 U | .005 U | .005 U | .005 U | .005 U | .005 U | .005 U | .005 U |
| A-2 (27') | .005 U | .005 U | .005 U | .005 U | .005 U | .005 U | .005 U | .005 U | .005 U |
| A-2 (37') | .006 U | .006 U | .006 U | .006 U | .006 U | .006 U | .006 U | .006 U | .006 U |
| A-3 (15') | .005 U | .005 U | .005 U | .005 U | .005 U | .005 U | .005 U | .005 U | .005 U |
| A-3 (34') | .006 U | .006 U | .006 U | .006 U | .006 U | .006 U | .006 U | .006 U | .006 U |
| A-6 (15') | .005 U | .005 U | .005 U | .005 U | .005 U | .005 U | .005 U | .005 U | .005 U |
| A-6 (34') | .006 U | .006 U | .006 U | .006 U | .006 U | .006 U | .006 U | .006 U | .006 U |
| A-7 (15') | .005 U | .005 U | .005 U | .005 U | .005 U | .005 U | .005 U | .005 U | .005 U |
| A-7 (34') | .006 U | .006 U | .006 U | .006 U | .006 U | .006 U | .006 U | .006 U | .006 U |
| A-9 (15') | .005 U | .005 U | .005 U | .005 U | .005 U | .005 U | .005 U | .005 U | .005 U |
| A-9 (37') | .005 U | .005 U | .005 U | .005 U | .005 U | .005 U | .005 U | .005 U | .005 U |
| A-10 (14') | .005 U | .005 U | .005 U | .005 U | .005 U | .005 U | .005 U | .005 U | .005 U |
| A-10 (40') | .006 U | .006 U | .006 U | .006 U | .006 U | .006 U | .006 U | .006 U | .006 U |
| A-11 (15') | .005 U | .005 U | .005 U | .005 U | .005 U | .005 U | .005 U | .005 U | .005 U |
| A-11 (40') | .006 U | .006 U | .006 U | .006 U | .006 U | .006 U | .006 U | .006 U | .006 U |

| Analyte<br><br>Soil Boring | Trichloroethene | Tetrachloroethene | Vinyl Chloride | 1,1-Dichlotoethene | 1,1-Dichlotoethane | *trans*-1,2-Dichlotoethene | *cis*-1,2-Dichlotoethene | Carbon Tetrachloride | 1,2-1,1-Dichlotoethane |
|---|---|---|---|---|---|---|---|---|---|
| NYSDEC TAGM soil cleanup objective | 0.8 | 1.4 | 0.2 | 0.4 | 0.2 | 0.3 | nl | 0.6 | 0.1 |
| A-13 (15') | .005 U | .005 U | .005 U | .005 U | .005 U | .005 U | .005 U | .005 U | .005 U |
| A-13 (38') | .005 U | .005 U | .005 U | .005 U | .005 U | .005 U | .005 U | .005 U | .005 U |
| A-16 (15') | .005 U | .005 U | .005 U | .005 U | .005 U | .005 U | .005 U | .005 U | .005 U |
| A-16 (36') | .006 U | .006 U | .006 U | .006 U | .006 U | .006 U | .006 U | .006 U | .006 U |
| B-15 (15') | .005 U | .005 U | .005 U | .005 U | .005 U | .005 U | .005 U | .005 U | .005 U |
| B-15 (32') | .005 U | .005 U | .005 U | .005 U | .005 U | .005 U | .005 U | .005 U | .005 U |
| C-20 (15') | .005 U | .005 U | .005 U | .005 U | .005 U | .005 U | .005 U | .005 U | .005 U |
| C-20 (33') | .006 U | .006 U | .006 U | .006 U | .006 U | .006 U | .006 U | .006 U | .006 U |
| D-17 (15') | .005 U | .005 U | .005 U | .005 U | .005 U | .005 U | .005 U | .005 U | .005 U |
| D-17 (32') | .006 U | .006 U | .006 U | .006 U | .006 U | .006 U | .006 U | .006 U | .006 U |
| D-19 (15') | .005 U | .005 U | .005 U | .005 U | .005 U | .005 U | .005 U | .005 U | .005 U |
| D-19 (32') | .006 U | .006 U | .006 U | .006 U | .006 U | .006 U | .006 U | .006 U | .006 U |
| E-14 (15') | .005 U | .005 U | .005 U | .005 U | .005 U | .005 U | .005 U | .005 U | .005 U |
| E-14 (20') | .005 U | .005 U | .005 U | .005 U | .005 U | .005 U | .005 U | .005 U | .005 U |
| F-20 (15') | .005 U | .005 U | .005 U | .005 U | .005 U | .005 U | .005 U | .005 U | .005 U |
| F-20 (32') | .006 U | .006 U | .006 U | .006 U | .006 U | .006 U | .006 U | .006 U | .006 U |
| H-1 (15') | .005 U | .005 U | .005 U | .005 U | .005 U | .005 U | .005 U | .005 U | .005 U |
| H-1 (25') | .005 U | .005 U | .005 U | .005 U | .005 U | .005 U | .005 U | .005 U | .005 U |
| K-0 (15') | .005 U | .005 U | .005 U | .005 U | .005 U | .005 U | .005 U | .005 U | .005 U |
| K-0 (17') | .006 U | .006 U | .006 U | .006 U | .006 U | .006 U | .006 U | .006 U | .006 U |
| K-0 (35') | .006 U | .006 U | .006 U | .006 U | .006 U | .006 U | .006 U | .006 U | .006 U |

All concentrations are in part per million (ppm)
U = under the detection limit
NYSDEC = New York State Department of Environmental Conservation
TAGM = Technical and Administrative Guidance Memorandum
nl = not listed on NYSDEC TAGM

TABLE 2
Soil Boring Specifications
Roosevelt Field Site
Garden City, New York
August 2007

| Soil Boring | Date | Total Depth | Approximate Water Table | PID (ppm) bgs | Sample (bgs) |
|---|---|---|---|---|---|
| E-14 | 07/09/07 | 20 | r | 0 | 15, 20 |
| A-11 | 07/09/07 | 40 | 37.4 | 0 | 15, 40 |
| A-10 | 07/09/07 | 40 | 38.6 | 0 | 14, 40 |
| D-19 | 07/11/07 | 35 | 32.0 | 0 | 15, 32 |
| F-20 | 07/11/07 | 35 | 32.3 | 0 | 15, 32 |
| C-20 | 07/11/07 | 35 | 33.0 | 0 | 15, 33 |
| B-15 | 07/11/07 | 35 | 32.0 | 0 | 15, 32 |
| H-1 | 07/12/07 | 25 | r | 0 | 15, 25 |
| D-17 | 07/12/07 | 35 | 32.5 | 0 | 15, 32 |
| K-0 | 07/12/07 | 35 | 35.0 | 0 | 15, 32 |
| A-0 | 07/12/07 | 40 | 37.0 | 0 | 15, 17, 39 |
| A-9 | 07/12/07 | 40 | 37.0 | 0 | 15, 37 |
| A-16 | 07/19/07 | 40 | 36.4 | 0 | 15, 36 |
| A-13 | 07/19/07 | 40 | 37.0 | 0.9 at 7 and 0.4 at 8 | 15, 38 |
| A-2 | 07/19/07 | 40 | 35.0 | 1.2 at 27 | 15, 27, 37 |
| A-7 | 07/19/07 | 35 | 33.5 | 0 | 15, 34 |
| A-1 | 07/24/07 | 40 | 36.5 | 0 | 15, 38 |
| A-3 | 07/24/07 | 35 | 33.5 | 0 | 15, 34 |
| A-6 | 07/24/07 | 35 | 33.0 | 0 | 15, 34 |

ppm = part per million
bgs = below ground surface
r = soil boring met refusal before water table

# Figures

N
W E
S
Magnetic North

310 0 310 620 Feet

Map Creation Date: August 2007

Coordinate System: UTM
Zone : 18N
Datum: NAD83
Units: Meters

**Legend**

Sample Location

Data: g:\arcviewprojects\reac4\01-254
MXD file: g:\arcinfoprojects\reac4\EAC01254_Roosevelt Field\1-254_SiteMap
Revision Number: 001

U.S EPA Environmental Response Team
Response Engineering and Analytical Contract
EP-C-04-032
W.A.# 1-254

Figure 1
Sample Location Map
Roosevelt Field Groundwater
Contamination Site
Garden City, New York

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# Appendix A

Appendix A

APPENDIX A
ANALYTICAL RESULTS
Roosevelt Field Site
Trip Report
August 2007

0-254.1-DTR-081007

302205

ANALYTICAL REPORT

Prepared by
LOCKHEED MARTIN, Inc.

Roosevelt Field Ground Water Contamination Superfund Site
Garden City, NY

August 2007

EPA Work Assignment No. 0-254
LOCKHEED MARTIN Work Order EAC00254
EPA Contract No. EP-C-04-032

Submitted to
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0254-DAR-080807

302206

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Appendix A Data for VOC in Soil — S 208
Appendix B Data for VOC in Soil — S 215


Appendices will be furnished on request.

## Introduction

REAC personnel in response to WA 0-254, provided analytical support for environmental samples collected from the Roosevelt Field Groundwater Contamination Superfund Site, located in Garden City, NY as described in the following table. The support also included QA/QC, data review, and preparation of an analytical report containing a summary of the analytical and the QA/QC results.

The samples analyzed at REAC were treated with procedures consistent with those specified in SOP #1008.

| COC # | Number of Samples | Sampling Date | Date Received | Matrix | Analysis / Method | Laboratory | Data Package |
|---|---|---|---|---|---|---|---|
| 01-254-07/09/07-0001 | 7 | 07/09/07 | 07/10/07 | Soil | VOC / REAC SOP 1807 | REAC[1] | S 208 |
| 01-254-07/11/07-0002 | 9 | 07/11/07 | 07/11/07 | | | | |
| 01-254-07/12/07-0003 | 9 | 07/12/07 | 07/12/07 | | | | |
| 01-254-07/12/07-0004 | 5 | | 07/13/07 | | | | |
| 01-254-07/19/07-0005 | 10 | 07/19/07 | 07/20/07 | | | | S 215 |
| 01-254-07/24/07-0006 | 7 | 07/24/07 | 07/24/07 | | | | |

[1]REAC is NELAP certified for TO-15 analysis.

## Case Narrative

The laboratory reported the data to three significant figures and the data was also validated to three significant figures. Any other representation of the data is the responsibility of the user. Values less than the reporting limits for organic analyses have not been reported. At the request of the WAM, only the chlorinated compound results were validated.

VOC in Soil Package S 208 and S 215

The data packages were examined and were found to be acceptable for the chlorinated target compounds, specifically trichloroethene, tetrachloroethene, vinyl chloride, 1,1-dichloroethene, 1,1-dichloroethane, trans-1,2-dichloroethene, cis-1,2-dichloroethene, carbon tetrachloride and 1,2-dichloroethane. No evaluation was made about the quality of the remainder of the reported compounds.

## Summary of Abbreviations

| | |
|---|---|
| BFB | Bromofluorobenzene |
| C | Centigrade |
| CLP | Contract Laboratory Program |
| COC | Chain of Custody |
| conc | concentration |
| cont | continued |
| CRDL | Contract Required Detection Limit |
| CRQL | Contract Required Quantitation Limit |
| D | (Surrogate Table) value is from a diluted sample and was not calculated |
| Dioxin | denotes Polychlorinated dibenzo-p-dioxins (PCDD) and Polychlorinated dibenzofurans (PCDF) |
| DFTPP | Decafluorotriphenylphosphine |
| EMPC | Estimated maximum possible concentration |
| GC/MS | Gas Chromatography/ Mass Spectrometry |
| IS | Internal Standard |
| LCS | Laboratory Control Sample |
| LCSD | Laboratory Control Sample Duplicate |
| MS (BS) | Matrix Spike (Blank Spike) |
| MSD (BSD) | Matrix Spike Duplicate (Blank Spike Duplicate) |
| MW | Molecular Weight |
| NA | Not Applicable or Not Available |
| NC | Not Calculated |
| NR | Not Requested |
| NS | Not Spiked |
| % D | Percent Difference |
| % REC | Percent Recovery |
| SOP | Standard Operating Procedure |
| ppbv | parts per billion volume |
| ppm | parts per million |
| pptv | parts per trillion volume |
| PQL | Practical Quantitation Limit |
| QA/QC | Quality Assurance/Quality Control |
| QL | Quantitation Limit |
| REAC | Response Engineering and Analytical Contract |
| RL | Reporting Limit |
| RPD | Relative Percent Difference |
| RSD | Relative Standard Deviation |
| SIM | Selected Ion Monitoring |
| Sur | Surrogate |
| TIC | Tentatively Identified Compound |
| TCLP | Toxic Characteristics Leaching Procedure |
| VOC | Volatile Organic Compounds |
| * | Value exceeds the acceptable QC limits. |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| $m^3$ | cubic meter | g | gram | kg | kilogram | L | liter |
| µg | microgram | µL | microliter | mg | milligram | ml | milliliter |
| ng | nanogram | pg | picogram | | | | |

## Data Validation Flags

| | |
|---|---|
| J | Value or Reporting limit is estimated |
| J+ | Value is estimated high (metals only) |
| J- | Value is estimated low (metals only) |
| R | Value is unusable |
| U | Not detected |
| UJ | Not detected and reporting limit estimated |

Rev. 11/20/06

Table 1.1 Results of the Analysis of VOC in Soil
WA # 0-254 Roosevelt Field Ground Water Contamination Superfund Site
Results Based on Dry Weight

Method: REAC SOP 1807



| Sample Number | Soil Blank B 071007-1 | | 01-254-0007 | | 01-254-0001 | | 01-254-0002 | | 01-254-0003 | |
|---|---|---|---|---|---|---|---|---|---|---|
| Sample Location: | | | A-10 40' | | E-14 15' | | E-14 20' | | A-11 15' | |
| Percent-Solids | 100 | | 83 | | 96 | | 95 | | 97 | |
| Analyte | Result µg/Kg | RL µg/Kg | Result µg/Kg | RL µg/Kg | Result µg/Kg | RL µg/Kg | Result µg/Kg | RL µg/Kg | Result µg/Kg | RL µg/Kg |
| Dichlorodifluoromethane | U | 5.00 | U | 6.02 | U | 5.21 | U | 5.26 | U | 5.15 |
| Chloromethane | U | 5.00 | U | 6.02 | U | 5.21 | U | 5.26 | U | 5.15 |
| Vinyl Chloride | U | 5.00 | U | 6.02 | U | 5.21 | U | 5.26 | U | 5.15 |
| Bromomethane | U | 5.00 | U | 6.02 | U | 5.21 | U | 5.26 | U | 5.15 |
| Chloroethane | U | 5.00 | U | 6.02 | U | 5.21 | U | 5.26 | U | 5.15 |
| Trichlorofluoromethane | U | 5.00 | U | 6.02 | U | 5.21 | U | 5.26 | U | 5.15 |
| Acetone | U | 20.0 | U | 24.1 | U | 20.8 | U | 21.1 | U | 20.6 |
| 1,1-Dichloroethene | U | 5.00 | U | 6.02 | U | 5.21 | U | 5.26 | U | 5.15 |
| Methylene Chloride | U | 20.0 | U | 24.1 | U | 20.8 | U | 21.1 | U | 20.6 |
| Carbon Disulfide | U | 5.00 | U | 6.02 | U | 5.21 | U | 5.26 | U | 5.15 |
| Methyl-t-butyl Ether | U | 5.00 | U | 6.02 | U | 5.21 | U | 5.26 | U | 5.15 |
| trans-1,2-Dichloroethene | U | 5.00 | U | 6.02 | U | 5.21 | U | 5.26 | U | 5.15 |
| 1,1-Dichloroethane | U | 5.00 | U | 6.02 | U | 5.21 | U | 5.26 | U | 5.15 |
| 2-Butanone | U | 5.00 | U | 6.02 | U | 5.21 | U | 5.26 | U | 5.15 |
| 2,2-Dichloropropane | U | 5.00 | U | 6.02 | U | 5.21 | U | 5.26 | U | 5.15 |
| cis-1,2-Dichloroethene | U | 5.00 | U | 6.02 | U | 5.21 | U | 5.26 | U | 5.15 |
| Chloroform | U | 5.00 | U | 6.02 | U | 5.21 | U | 5.26 | U | 5.15 |
| 1,1-Dichloropropene | U | 5.00 | U | 6.02 | U | 5.21 | U | 5.26 | U | 5.15 |
| 1,2-Dichloroethane | U | 5.00 | U | 6.02 | U | 5.21 | U | 5.26 | U | 5.15 |
| 1,1,1-Trichloroethane | U | 5.00 | U | 6.02 | U | 5.21 | U | 5.26 | U | 5.15 |
| Carbon Tetrachloride | U | 5.00 | U | 6.02 | U | 5.21 | U | 5.26 | U | 5.15 |
| Benzene | U | 5.00 | U | 6.02 | U | 5.21 | U | 5.26 | U | 5.15 |
| Trichloroethene | U | 5.00 | U | 6.02 | U | 5.21 | U | 5.26 | U | 5.15 |
| 1,2-Dichloropropane | U | 5.00 | U | 6.02 | U | 5.21 | U | 5.26 | U | 5.15 |
| Bromodichloromethane | U | 5.00 | U | 6.02 | U | 5.21 | U | 5.26 | U | 5.15 |
| Dibromomethane | U | 5.00 | U | 6.02 | U | 5.21 | U | 5.26 | U | 5.15 |
| cis-1,3-Dichloropropene | U | 5.00 | U | 6.02 | U | 5.21 | U | 5.26 | U | 5.15 |
| trans-1,3-Dichloropropene | U | 5.00 | U | 6.02 | U | 5.21 | U | 5.26 | U | 5.15 |
| 1,1,2-Trichloroethane | U | 5.00 | U | 6.02 | U | 5.21 | U | 5.26 | U | 5.15 |
| 1,3-Dichloropropane | U | 5.00 | U | 6.02 | U | 5.21 | U | 5.26 | U | 5.15 |
| Dibromochloromethane | U | 5.00 | U | 6.02 | U | 5.21 | U | 5.26 | U | 5.15 |
| 1,2-Dibromoethane | U | 5.00 | U | 6.02 | U | 5.21 | U | 5.26 | U | 5.15 |
| Bromoform | U | 5.00 | U | 6.02 | U | 5.21 | U | 5.26 | U | 5.15 |
| 4-Methyl-2-pentanone | U | 5.00 | U | 6.02 | U | 5.21 | U | 5.26 | U | 5.15 |
| Toluene | U | 5.00 | U | 6.02 | U | 5.21 | U | 5.26 | U | 5.15 |
| 2-Hexanone | U | 5.00 | U | 6.02 | U | 5.21 | U | 5.26 | U | 5.15 |
| Tetrachloroethene | U | 5.00 | U | 6.02 | U | 5.21 | U | 5.26 | U | 5.15 |
| Chlorobenzene | U | 5.00 | U | 6.02 | U | 5.21 | U | 5.26 | U | 5.15 |
| 1,1,1,2-Tetrachloroethane | U | 5.00 | U | 6.02 | U | 5.21 | U | 5.26 | U | 5.15 |
| Ethylbenzene | U | 5.00 | U | 6.02 | U | 5.21 | U | 5.26 | U | 5.15 |
| p&m-Xylene | U | 10.0 | U | 12.0 | U | 10.4 | U | 10.5 | U | 10.3 |
| o-Xylene | U | 5.00 | U | 6.02 | U | 5.21 | U | 5.26 | U | 5.15 |
| Styrene | U | 5.00 | U | 6.02 | U | 5.21 | U | 5.26 | U | 5.15 |
| Isopropylbenzene | U | 5.00 | U | 6.02 | U | 5.21 | U | 5.26 | U | 5.15 |
| 1,1,2,2-Tetrachloroethane | U | 5.00 | U | 6.02 | U | 5.21 | U | 5.26 | U | 5.15 |
| 1,2,3-Trichloropropane | U | 5.00 | U | 6.02 | U | 5.21 | U | 5.26 | U | 5.15 |
| n-Propylbenzene | U | 5.00 | U | 6.02 | U | 5.21 | U | 5.26 | U | 5.15 |
| Bromobenzene | U | 5.00 | U | 6.02 | U | 5.21 | U | 5.26 | U | 5.15 |
| 1,3,5-Trimethylbenzene | U | 5.00 | U | 6.02 | U | 5.21 | U | 5.26 | U | 5.15 |
| 2-Chlorotoluene | U | 5.00 | U | 6.02 | U | 5.21 | U | 5.26 | U | 5.15 |
| 4-Chlorotoluene | U | 5.00 | U | 6.02 | U | 5.21 | U | 5.26 | U | 5.15 |
| tert-Butylbenzene | U | 5.00 | U | 6.02 | U | 5.21 | U | 5.26 | U | 5.15 |
| 1,2,4-Trimethylbenzene | U | 5.00 | U | 6.02 | U | 5.21 | U | 5.26 | U | 5.15 |
| sec-Butylbenzene | U | 5.00 | U | 6.02 | U | 5.21 | U | 5.26 | U | 5.15 |
| p-Isopropyltoluene | U | 5.00 | U | 6.02 | U | 5.21 | U | 5.26 | U | 5.15 |
| 1,3-Dichlorobenzene | U | 5.00 | U | 6.02 | U | 5.21 | U | 5.26 | U | 5.15 |
| 1,4-Dichlorobenzene | U | 5.00 | U | 6.02 | U | 5.21 | U | 5.26 | U | 5.15 |
| n-Butylbenzene | U | 5.00 | U | 6.02 | U | 5.21 | U | 5.26 | U | 5.15 |
| 1,2-Dichlorobenzene | U | 5.00 | U | 6.02 | U | 5.21 | U | 5.26 | U | 5.15 |
| 1,2-Dibromo-3-chloropropane | U | 5.00 | U | 6.02 | U | 5.21 | U | 5.26 | U | 5.15 |
| 1,2,4-Trichlorobenzene | U | 5.00 | U | 6.02 | U | 5.21 | U | 5.26 | U | 5.15 |
| Hexachlorobutadiene | U | 5.00 | U | 6.02 | U | 5.21 | U | 5.26 | U | 5.15 |
| Naphthalene | U | 5.00 | U | 6.02 | U | 5.21 | U | 5.26 | U | 5.15 |
| 1,2,3-Trichlorobenzene | U | 5.00 | U | 6.02 | U | 5.21 | U | 5.26 | U | 5.15 |

Table 1.1 (cont) Results of the Analysis of VOC in Soil
WA # 0-254 Roosevelt Field Ground Water Contamination Superfund Site
Results Based on Dry Weight

Method: REAC SOP 1807



| Sample Number | Soil Blank B 071007-1 | | 01-254-0004 | | 01-254-0005 | | 01-254-0006 | |
|---|---|---|---|---|---|---|---|---|
| Sample Location: | | | A-11 40' | | A-10 14' | | A-10 14'Dup | |
| Percent-Solids | 100 | | 83 | | 96 | | 96 | |
| Analyte | Result µg/Kg | RL µg/Kg | Result µg/Kg | RL µg/Kg | Result µg/Kg | RL µg/Kg | Result µg/Kg | RL µg/Kg |
| Dichlorodifluoromethane | U | 5.00 | U | 6.02 | U | 5.21 | U | 5.21 |
| Chloromethane | U | 5.00 | U | 6.02 | U | 5.21 | U | 5.21 |
| Vinyl Chloride | U | 5.00 | U | 6.02 | U | 5.21 | U | 5.21 |
| Bromomethane | U | 5.00 | U | 6.02 | U | 5.21 | U | 5.21 |
| Chloroethane | U | 5.00 | U | 6.02 | U | 5.21 | U | 5.21 |
| Trichlorofluoromethane | U | 5.00 | U | 6.02 | U | 5.21 | U | 5.21 |
| Acetone | U | 20.0 | U | 24.1 | U | 20.8 | U | 20.8 |
| 1,1-Dichloroethene | U | 5.00 | U | 6.02 | U | 5.21 | U | 5.21 |
| Methylene Chloride | U | 20.0 | U | 24.1 | U | 20.8 | U | 20.8 |
| Carbon Disulfide | U | 5.00 | U | 6.02 | U | 5.21 | U | 5.21 |
| Methyl-t-butyl Ether | U | 5.00 | U | 6.02 | U | 5.21 | U | 5.21 |
| trans-1,2-Dichloroethene | U | 5.00 | U | 6.02 | U | 5.21 | U | 5.21 |
| 1,1-Dichloroethane | U | 5.00 | U | 6.02 | U | 5.21 | U | 5.21 |
| 2-Butanone | U | 5.00 | U | 6.02 | U | 5.21 | U | 5.21 |
| 2,2-Dichloropropane | U | 5.00 | U | 6.02 | U | 5.21 | U | 5.21 |
| cis-1,2-Dichloroethene | U | 5.00 | U | 6.02 | U | 5.21 | U | 5.21 |
| Chloroform | U | 5.00 | U | 6.02 | U | 5.21 | U | 5.21 |
| 1,1-Dichloropropene | U | 5.00 | U | 6.02 | U | 5.21 | U | 5.21 |
| 1,2-Dichloroethane | U | 5.00 | U | 6.02 | U | 5.21 | U | 5.21 |
| 1,1,1-Trichloroethane | U | 5.00 | U | 6.02 | U | 5.21 | U | 5.21 |
| Carbon Tetrachloride | U | 5.00 | U | 6.02 | U | 5.21 | U | 5.21 |
| Benzene | U | 5.00 | U | 6.02 | U | 5.21 | U | 5.21 |
| Trichloroethene | U | 5.00 | U | 6.02 | U | 5.21 | U | 5.21 |
| 1,2-Dichloropropane | U | 5.00 | U | 6.02 | U | 5.21 | U | 5.21 |
| Bromodichloromethane | U | 5.00 | U | 6.02 | U | 5.21 | U | 5.21 |
| Dibromomethane | U | 5.00 | U | 6.02 | U | 5.21 | U | 5.21 |
| cis-1,3-Dichloropropene | U | 5.00 | U | 6.02 | U | 5.21 | U | 5.21 |
| trans-1,3-Dichloropropene | U | 5.00 | U | 6.02 | U | 5.21 | U | 5.21 |
| 1,1,2-Trichloroethane | U | 5.00 | U | 6.02 | U | 5.21 | U | 5.21 |
| 1,3-Dichloropropane | U | 5.00 | U | 6.02 | U | 5.21 | U | 5.21 |
| Dibromochloromethane | U | 5.00 | U | 6.02 | U | 5.21 | U | 5.21 |
| 1,2-Dibromoethane | U | 5.00 | U | 6.02 | U | 5.21 | U | 5.21 |
| Bromoform | U | 5.00 | U | 6.02 | U | 5.21 | U | 5.21 |
| 4-Methyl-2-pentanone | U | 5.00 | U | 6.02 | U | 5.21 | U | 5.21 |
| Toluene | U | 5.00 | U | 6.02 | U | 5.21 | U | 5.21 |
| 2-Hexanone | U | 5.00 | U | 6.02 | U | 5.21 | U | 5.21 |
| Tetrachloroethene | U | 5.00 | U | 6.02 | U | 5.21 | U | 5.21 |
| Chlorobenzene | U | 5.00 | U | 6.02 | U | 5.21 | U | 5.21 |
| 1,1,1,2-Tetrachloroethane | U | 5.00 | U | 6.02 | U | 5.21 | U | 5.21 |
| Ethylbenzene | U | 5.00 | U | 6.02 | U | 5.21 | U | 5.21 |
| p&m-Xylene | U | 10.0 | U | 12.0 | U | 10.4 | U | 10.4 |
| o-Xylene | U | 5.00 | U | 6.02 | U | 5.21 | U | 5.21 |
| Styrene | U | 5.00 | U | 6.02 | U | 5.21 | U | 5.21 |
| Isopropylbenzene | U | 5.00 | U | 6.02 | U | 5.21 | U | 5.21 |
| 1,1,2,2-Tetrachloroethane | U | 5.00 | U | 6.02 | U | 5.21 | U | 5.21 |
| 1,2,3-Trichloropropane | U | 5.00 | U | 6.02 | U | 5.21 | U | 5.21 |
| n-Propylbenzene | U | 5.00 | U | 6.02 | U | 5.21 | U | 5.21 |
| Bromobenzene | U | 5.00 | U | 6.02 | U | 5.21 | U | 5.21 |
| 1,3,5-Trimethylbenzene | U | 5.00 | U | 6.02 | U | 5.21 | U | 5.21 |
| 2-Chlorotoluene | U | 5.00 | U | 6.02 | U | 5.21 | U | 5.21 |
| 4-Chlorotoluene | U | 5.00 | U | 6.02 | U | 5.21 | U | 5.21 |
| tert-Butylbenzene | U | 5.00 | U | 6.02 | U | 5.21 | U | 5.21 |
| 1,2,4-Trimethylbenzene | U | 5.00 | U | 6.02 | U | 5.21 | U | 5.21 |
| sec-Butylbenzene | U | 5.00 | U | 6.02 | U | 5.21 | U | 5.21 |
| p-Isopropyltoluene | U | 5.00 | U | 6.02 | U | 5.21 | U | 5.21 |
| 1,3-Dichlorobenzene | U | 5.00 | U | 6.02 | U | 5.21 | U | 5.21 |
| 1,4-Dichlorobenzene | U | 5.00 | U | 6.02 | U | 5.21 | U | 5.21 |
| n-Butylbenzene | U | 5.00 | U | 6.02 | U | 5.21 | U | 5.21 |
| 1,2-Dichlorobenzene | U | 5.00 | U | 6.02 | U | 5.21 | U | 5.21 |
| 1,2-Dibromo-3-chloropropane | U | 5.00 | U | 6.02 | U | 5.21 | U | 5.21 |
| 1,2,4-Trichlorobenzene | U | 5.00 | U | 6.02 | U | 5.21 | U | 5.21 |
| Hexachlorobutadiene | U | 5.00 | U | 6.02 | U | 5.21 | U | 5.21 |
| Naphthalene | U | 5.00 | U | 6.02 | U | 5.21 | U | 5.21 |
| 1,2,3-Trichlorobenzene | U | 5.00 | U | 6.02 | U | 5.21 | U | 5.21 |

Table 1.1 (cont) Results of the Analysis of VOC in Soil
WA # 0-254 Roosevelt Field Ground Water Contamination Superfund Site
Results Based on Dry Weight

Method: REAC SOP 1807



| Sample Number | Soil Blank B 071107-2 | | 01-254-0008 | | 01-254-0009 | | 01-254-0010 | | 01-254-0011 | |
|---|---|---|---|---|---|---|---|---|---|---|
| Sample Location: | | | D-19 15' | | D-19 15'DUP | | D-19 32' | | F-20 15' | |
| Percent-Solids | 100 | | 97 | | 97 | | 84 | | 94 | |
| Analyte | Result µg/Kg | RL µg/Kg | Result µg/Kg | RL µg/Kg | Result µg/Kg | RL µg/Kg | Result µg/Kg | RL µg/Kg | Result µg/Kg | RL µg/Kg |
| Dichlorodifluoromethane | U | 5.00 | U | 5.15 | U | 5.15 | U | 5.95 | U | 5.32 |
| Chloromethane | U | 5.00 | U | 5.15 | U | 5.15 | U | 5.95 | U | 5.32 |
| Vinyl Chloride | U | 5.00 | U | 5.15 | U | 5.15 | U | 5.95 | U | 5.32 |
| Bromomethane | U | 5.00 | U | 5.15 | U | 5.15 | U | 5.95 | U | 5.32 |
| Chloroethane | U | 5.00 | U | 5.15 | U | 5.15 | U | 5.95 | U | 5.32 |
| Trichlorofluoromethane | U | 5.00 | U | 5.15 | U | 5.15 | U | 5.95 | U | 5.32 |
| Acetone | U | 20.0 | U | 20.6 | U | 20.6 | U | 23.8 | U | 21.3 |
| 1,1-Dichloroethene | U | 5.00 | U | 5.15 | U | 5.15 | U | 5.95 | U | 5.32 |
| Methylene Chloride | U | 20.0 | U | 20.6 | U | 20.6 | U | 23.8 | U | 21.3 |
| Carbon Disulfide | U | 5.00 | U | 5.15 | U | 5.15 | U | 5.95 | U | 5.32 |
| Methyl-t-butyl Ether | U | 5.00 | U | 5.15 | U | 5.15 | U | 5.95 | U | 5.32 |
| trans-1,2-Dichloroethene | U | 5.00 | U | 5.15 | U | 5.15 | U | 5.95 | U | 5.32 |
| 1,1-Dichloroethane | U | 5.00 | U | 5.15 | U | 5.15 | U | 5.95 | U | 5.32 |
| 2-Butanone | U | 5.00 | U | 5.15 | U | 5.15 | U | 5.95 | U | 5.32 |
| 2,2-Dichloropropane | U | 5.00 | U | 5.15 | U | 5.15 | U | 5.95 | U | 5.32 |
| cis-1,2-Dichloroethene | U | 5.00 | U | 5.15 | U | 5.15 | U | 5.95 | U | 5.32 |
| Chloroform | U | 5.00 | U | 5.15 | U | 5.15 | U | 5.95 | U | 5.32 |
| 1,1-Dichloropropene | U | 5.00 | U | 5.15 | U | 5.15 | U | 5.95 | U | 5.32 |
| 1,2-Dichloroethane | U | 5.00 | U | 5.15 | U | 5.15 | U | 5.95 | U | 5.32 |
| 1,1,1-Trichloroethane | U | 5.00 | U | 5.15 | U | 5.15 | U | 5.95 | U | 5.32 |
| Carbon Tetrachloride | U | 5.00 | U | 5.15 | U | 5.15 | U | 5.95 | U | 5.32 |
| Benzene | U | 5.00 | U | 5.15 | U | 5.15 | U | 5.95 | U | 5.32 |
| Trichloroethene | U | 5.00 | U | 5.15 | U | 5.15 | U | 5.95 | U | 5.32 |
| 1,2-Dichloropropane | U | 5.00 | U | 5.15 | U | 5.15 | U | 5.95 | U | 5.32 |
| Bromodichloromethane | U | 5.00 | U | 5.15 | U | 5.15 | U | 5.95 | U | 5.32 |
| Dibromomethane | U | 5.00 | U | 5.15 | U | 5.15 | U | 5.95 | U | 5.32 |
| cis-1,3-Dichloropropene | U | 5.00 | U | 5.15 | U | 5.15 | U | 5.95 | U | 5.32 |
| trans-1,3-Dichloropropene | U | 5.00 | U | 5.15 | U | 5.15 | U | 5.95 | U | 5.32 |
| 1,1,2-Trichloroethane | U | 5.00 | U | 5.15 | U | 5.15 | U | 5.95 | U | 5.32 |
| 1,3-Dichloropropane | U | 5.00 | U | 5.15 | U | 5.15 | U | 5.95 | U | 5.32 |
| Dibromochloromethane | U | 5.00 | U | 5.15 | U | 5.15 | U | 5.95 | U | 5.32 |
| 1,2-Dibromoethane | U | 5.00 | U | 5.15 | U | 5.15 | U | 5.95 | U | 5.32 |
| Bromoform | U | 5.00 | U | 5.15 | U | 5.15 | U | 5.95 | U | 5.32 |
| 4-Methyl-2-pentanone | U | 5.00 | U | 5.15 | U | 5.15 | U | 5.95 | U | 5.32 |
| Toluene | U | 5.00 | U | 5.15 | U | 5.15 | U | 5.95 | U | 5.32 |
| 2-Hexanone | U | 5.00 | U | 5.15 | U | 5.15 | U | 5.95 | U | 5.32 |
| Tetrachloroethene | U | 5.00 | U | 5.15 | U | 5.15 | U | 5.95 | U | 5.32 |
| Chlorobenzene | U | 5.00 | U | 5.15 | U | 5.15 | U | 5.95 | U | 5.32 |
| 1,1,1,2-Tetrachloroethane | U | 5.00 | U | 5.15 | U | 5.15 | U | 5.95 | U | 5.32 |
| Ethylbenzene | U | 5.00 | U | 5.15 | U | 5.15 | U | 5.95 | U | 5.32 |
| p&m-Xylene | U | 10.0 | U | 10.3 | U | 10.3 | U | 11.9 | U | 10.6 |
| o-Xylene | U | 5.00 | U | 5.15 | U | 5.15 | U | 5.95 | U | 5.32 |
| Styrene | U | 5.00 | U | 5.15 | U | 5.15 | U | 5.95 | U | 5.32 |
| Isopropylbenzene | U | 5.00 | U | 5.15 | U | 5.15 | U | 5.95 | U | 5.32 |
| 1,1,2,2-Tetrachloroethane | U | 5.00 | U | 5.15 | U | 5.15 | U | 5.95 | U | 5.32 |
| 1,2,3-Trichloropropane | U | 5.00 | U | 5.15 | U | 5.15 | U | 5.95 | U | 5.32 |
| n-Propylbenzene | U | 5.00 | U | 5.15 | U | 5.15 | U | 5.95 | U | 5.32 |
| Bromobenzene | U | 5.00 | U | 5.15 | U | 5.15 | U | 5.95 | U | 5.32 |
| 1,3,5-Trimethylbenzene | U | 5.00 | U | 5.15 | U | 5.15 | U | 5.95 | U | 5.32 |
| 2-Chlorotoluene | U | 5.00 | U | 5.15 | U | 5.15 | U | 5.95 | U | 5.32 |
| 4-Chlorotoluene | U | 5.00 | U | 5.15 | U | 5.15 | U | 5.95 | U | 5.32 |
| tert-Butylbenzene | U | 5.00 | U | 5.15 | U | 5.15 | U | 5.95 | U | 5.32 |
| 1,2,4-Trimethylbenzene | U | 5.00 | U | 5.15 | U | 5.15 | U | 5.95 | U | 5.32 |
| sec-Butylbenzene | U | 5.00 | U | 5.15 | U | 5.15 | U | 5.95 | U | 5.32 |
| p-Isopropyltoluene | U | 5.00 | U | 5.15 | U | 5.15 | U | 5.95 | U | 5.32 |
| 1,3-Dichlorobenzene | U | 5.00 | U | 5.15 | U | 5.15 | U | 5.95 | U | 5.32 |
| 1,4-Dichlorobenzene | U | 5.00 | U | 5.15 | U | 5.15 | U | 5.95 | U | 5.32 |
| n-Butylbenzene | U | 5.00 | U | 5.15 | U | 5.15 | U | 5.95 | U | 5.32 |
| 1,2-Dichlorobenzene | U | 5.00 | U | 5.15 | U | 5.15 | U | 5.95 | U | 5.32 |
| 1,2-Dibromo-3-chloropropane | U | 5.00 | U | 5.15 | U | 5.15 | U | 5.95 | U | 5.32 |
| 1,2,4-Trichlorobenzene | U | 5.00 | U | 5.15 | U | 5.15 | U | 5.95 | U | 5.32 |
| Hexachlorobutadiene | U | 5.00 | U | 5.15 | U | 5.15 | U | 5.95 | U | 5.32 |
| Naphthalene | U | 5.00 | U | 5.15 | U | 5.15 | U | 5.95 | U | 5.32 |
| 1,2,3-Trichlorobenzene | U | 5.00 | U | 5.15 | U | 5.15 | U | 5.95 | U | 5.32 |

Table 1.1 (cont) Results of the Analysis of VOC in Soil
WA # 0-254 Roosevelt Field Ground Water Contamination Superfund Site
Results Based on Dry Weight

Method: REAC SOP 1807



| Sample Number | Soil Blank B 071107-2 | | 01-254-0012 | | 01-254-0013 | | 01-254-0014 | | 01-254-0015 | |
|---|---|---|---|---|---|---|---|---|---|---|
| Sample Location: | | | F-20 32' | | C-20 15' | | C-20 33' | | B-15 15' | |
| Percent-Solids | 100 | | 84 | | 97 | | 83 | | 98 | |
| Analyte | Result µg/Kg | RL µg/Kg | Result µg/Kg | RL µg/Kg | Result µg/Kg | RL µg/Kg | Result µg/Kg | RL µg/Kg | Result µg/Kg | RL µg/Kg |
| Dichlorodifluoromethane | U | 5.00 | U | 5.95 | U | 5.15 | U | 6.02 | U | 5.10 |
| Chloromethane | U | 5.00 | U | 5.95 | U | 5.15 | U | 6.02 | U | 5.10 |
| Vinyl Chloride | U | 5.00 | U | 5.95 | U | 5.15 | U | 6.02 | U | 5.10 |
| Bromomethane | U | 5.00 | U | 5.95 | U | 5.15 | U | 6.02 | U | 5.10 |
| Chloroethane | U | 5.00 | U | 5.95 | U | 5.15 | U | 6.02 | U | 5.10 |
| Trichlorofluoromethane | U | 5.00 | U | 5.95 | U | 5.15 | U | 6.02 | U | 5.10 |
| Acetone | U | 20.0 | U | 23.8 | U | 20.6 | U | 24.1 | U | 20.4 |
| 1,1-Dichloroethene | U | 5.00 | U | 5.95 | U | 5.15 | U | 6.02 | U | 5.10 |
| Methylene Chloride | U | 20.0 | U | 23.8 | U | 20.6 | U | 24.1 | U | 20.4 |
| Carbon Disulfide | U | 5.00 | U | 5.95 | U | 5.15 | U | 6.02 | U | 5.10 |
| Methyl-t-butyl Ether | U | 5.00 | U | 5.95 | U | 5.15 | U | 6.02 | U | 5.10 |
| trans-1,2-Dichloroethene | U | 5.00 | U | 5.95 | U | 5.15 | U | 6.02 | U | 5.10 |
| 1,1-Dichloroethane | U | 5.00 | U | 5.95 | U | 5.15 | U | 6.02 | U | 5.10 |
| 2-Butanone | U | 5.00 | U | 5.95 | U | 5.15 | U | 6.02 | U | 5.10 |
| 2,2-Dichloropropane | U | 5.00 | U | 5.95 | U | 5.15 | U | 6.02 | U | 5.10 |
| cis-1,2-Dichloroethene | U | 5.00 | U | 5.95 | U | 5.15 | U | 6.02 | U | 5.10 |
| Chloroform | U | 5.00 | U | 5.95 | U | 5.15 | U | 6.02 | U | 5.10 |
| 1,1-Dichloropropene | U | 5.00 | U | 5.95 | U | 5.15 | U | 6.02 | U | 5.10 |
| 1,2-Dichloroethane | U | 5.00 | U | 5.95 | U | 5.15 | U | 6.02 | U | 5.10 |
| 1,1,1-Trichloroethane | U | 5.00 | U | 5.95 | U | 5.15 | U | 6.02 | U | 5.10 |
| Carbon Tetrachloride | U | 5.00 | U | 5.95 | U | 5.15 | U | 6.02 | U | 5.10 |
| Benzene | U | 5.00 | U | 5.95 | U | 5.15 | U | 6.02 | U | 5.10 |
| Trichloroethene | U | 5.00 | U | 5.95 | U | 5.15 | U | 6.02 | U | 5.10 |
| 1,2-Dichloropropane | U | 5.00 | U | 5.95 | U | 5.15 | U | 6.02 | U | 5.10 |
| Bromodichloromethane | U | 5.00 | U | 5.95 | U | 5.15 | U | 6.02 | U | 5.10 |
| Dibromomethane | U | 5.00 | U | 5.95 | U | 5.15 | U | 6.02 | U | 5.10 |
| cis-1,3-Dichloropropene | U | 5.00 | U | 5.95 | U | 5.15 | U | 6.02 | U | 5.10 |
| trans-1,3-Dichloropropene | U | 5.00 | U | 5.95 | U | 5.15 | U | 6.02 | U | 5.10 |
| 1,1,2-Trichloroethane | U | 5.00 | U | 5.95 | U | 5.15 | U | 6.02 | U | 5.10 |
| 1,3-Dichloropropane | U | 5.00 | U | 5.95 | U | 5.15 | U | 6.02 | U | 5.10 |
| Dibromochloromethane | U | 5.00 | U | 5.95 | U | 5.15 | U | 6.02 | U | 5.10 |
| 1,2-Dibromoethane | U | 5.00 | U | 5.95 | U | 5.15 | U | 6.02 | U | 5.10 |
| Bromoform | U | 5.00 | U | 5.95 | U | 5.15 | U | 6.02 | U | 5.10 |
| 4-Methyl-2-pentanone | U | 5.00 | U | 5.95 | U | 5.15 | U | 6.02 | U | 5.10 |
| Toluene | U | 5.00 | U | 5.95 | U | 5.15 | U | 6.02 | U | 5.10 |
| 2-Hexanone | U | 5.00 | U | 5.95 | U | 5.15 | U | 6.02 | U | 5.10 |
| Tetrachloroethene | U | 5.00 | U | 5.95 | U | 5.15 | U | 6.02 | U | 5.10 |
| Chlorobenzene | U | 5.00 | U | 5.95 | U | 5.15 | U | 6.02 | U | 5.10 |
| 1,1,1,2-Tetrachloroethane | U | 5.00 | U | 5.95 | U | 5.15 | U | 6.02 | U | 5.10 |
| Ethylbenzene | U | 5.00 | U | 5.95 | U | 5.15 | U | 6.02 | U | 5.10 |
| p&m-Xylene | U | 10.0 | U | 11.9 | U | 10.3 | U | 12.0 | U | 10.2 |
| o-Xylene | U | 5.00 | U | 5.95 | U | 5.15 | U | 6.02 | U | 5.10 |
| Styrene | U | 5.00 | U | 5.95 | U | 5.15 | U | 6.02 | U | 5.10 |
| Isopropylbenzene | U | 5.00 | U | 5.95 | U | 5.15 | U | 6.02 | U | 5.10 |
| 1,1,2,2-Tetrachloroethane | U | 5.00 | U | 5.95 | U | 5.15 | U | 6.02 | U | 5.10 |
| 1,2,3-Trichloropropane | U | 5.00 | U | 5.95 | U | 5.15 | U | 6.02 | U | 5.10 |
| n-Propylbenzene | U | 5.00 | U | 5.95 | U | 5.15 | U | 6.02 | U | 5.10 |
| Bromobenzene | U | 5.00 | U | 5.95 | U | 5.15 | U | 6.02 | U | 5.10 |
| 1,3,5-Trimethylbenzene | U | 5.00 | U | 5.95 | U | 5.15 | U | 6.02 | U | 5.10 |
| 2-Chlorotoluene | U | 5.00 | U | 5.95 | U | 5.15 | U | 6.02 | U | 5.10 |
| 4-Chlorotoluene | U | 5.00 | U | 5.95 | U | 5.15 | U | 6.02 | U | 5.10 |
| tert-Butylbenzene | U | 5.00 | U | 5.95 | U | 5.15 | U | 6.02 | U | 5.10 |
| 1,2,4-Trimethylbenzene | U | 5.00 | U | 5.95 | U | 5.15 | U | 6.02 | U | 5.10 |
| sec-Butylbenzene | U | 5.00 | U | 5.95 | U | 5.15 | U | 6.02 | U | 5.10 |
| p-Isopropyltoluene | U | 5.00 | U | 5.95 | U | 5.15 | U | 6.02 | U | 5.10 |
| 1,3-Dichlorobenzene | U | 5.00 | U | 5.95 | U | 5.15 | U | 6.02 | U | 5.10 |
| 1,4-Dichlorobenzene | U | 5.00 | U | 5.95 | U | 5.15 | U | 6.02 | U | 5.10 |
| n-Butylbenzene | U | 5.00 | U | 5.95 | U | 5.15 | U | 6.02 | U | 5.10 |
| 1,2-Dichlorobenzene | U | 5.00 | U | 5.95 | U | 5.15 | U | 6.02 | U | 5.10 |
| 1,2-Dibromo-3-chloropropane | U | 5.00 | U | 5.95 | U | 5.15 | U | 6.02 | U | 5.10 |
| 1,2,4-Trichlorobenzene | U | 5.00 | U | 5.95 | U | 5.15 | U | 6.02 | U | 5.10 |
| Hexachlorobutadiene | U | 5.00 | U | 5.95 | U | 5.15 | U | 6.02 | U | 5.10 |
| Naphthalene | U | 5.00 | U | 5.95 | U | 5.15 | U | 6.02 | U | 5.10 |
| 1,2,3-Trichlorobenzene | U | 5.00 | U | 5.95 | U | 5.15 | U | 6.02 | U | 5.10 |

Table 1.1 (cont) Results of the Analysis of VOC in Soil
WA # 0-254 Roosevelt Field Ground Water Contamination Superfund Site
*Results Based on Dry Weight*

Method: REAC SOP 1807



| Sample Number | Soil Blank B 071107-2 | | 01-254-0016 | |
|---|---|---|---|---|
| Sample Location: | | | B-15 32' | |
| Percent-Solids | 100 | | 98 | |
| Analyte | Result µg/Kg | *RL* µg/Kg | Result µg/Kg | *RL* µg/Kg |
| Dichlorodifluoromethane | U | 5.00 | U | 5.10 |
| Chloromethane | U | 5.00 | U | 5.10 |
| Vinyl Chloride | U | 5.00 | U | 5.10 |
| Bromomethane | U | 5.00 | U | 5.10 |
| Chloroethane | U | 5.00 | U | 5.10 |
| Trichlorofluoromethane | U | 5.00 | U | 5.10 |
| Acetone | U | 20.0 | U | 20.4 |
| 1,1-Dichloroethene | U | 5.00 | U | 5.10 |
| Methylene Chloride | U | 20.0 | U | 20.4 |
| Carbon Disulfide | U | 5.00 | U | 5.10 |
| Methyl-t-butyl Ether | U | 5.00 | U | 5.10 |
| trans-1,2-Dichloroethene | U | 5.00 | U | 5.10 |
| 1,1-Dichloroethane | U | 5.00 | U | 5.10 |
| 2-Butanone | U | 5.00 | U | 5.10 |
| 2,2-Dichloropropane | U | 5.00 | U | 5.10 |
| cis-1,2-Dichloroethene | U | 5.00 | U | 5.10 |
| Chloroform | U | 5.00 | U | 5.10 |
| 1,1-Dichloropropene | U | 5.00 | U | 5.10 |
| 1,2-Dichloroethane | U | 5.00 | U | 5.10 |
| 1,1,1-Trichloroethane | U | 5.00 | U | 5.10 |
| Carbon Tetrachloride | U | 5.00 | U | 5.10 |
| Benzene | U | 5.00 | U | 5.10 |
| Trichloroethene | U | 5.00 | U | 5.10 |
| 1,2-Dichloropropane | U | 5.00 | U | 5.10 |
| Bromodichloromethane | U | 5.00 | U | 5.10 |
| Dibromomethane | U | 5.00 | U | 5.10 |
| cis-1,3-Dichloropropene | U | 5.00 | U | 5.10 |
| trans-1,3-Dichloropropene | U | 5.00 | U | 5.10 |
| 1,1,2-Trichloroethane | U | 5.00 | U | 5.10 |
| 1,3-Dichloropropane | U | 5.00 | U | 5.10 |
| Dibromochloromethane | U | 5.00 | U | 5.10 |
| 1,2-Dibromoethane | U | 5.00 | U | 5.10 |
| Bromoform | U | 5.00 | U | 5.10 |
| 4-Methyl-2-pentanone | U | 5.00 | U | 5.10 |
| Toluene | U | 5.00 | U | 5.10 |
| 2-Hexanone | U | 5.00 | U | 5.10 |
| Tetrachloroethene | U | 5.00 | U | 5.10 |
| Chlorobenzene | U | 5.00 | U | 5.10 |
| 1,1,1,2-Tetrachloroethane | U | 5.00 | U | 5.10 |
| Ethylbenzene | U | 5.00 | U | 5.10 |
| p&m-Xylene | U | 10.0 | U | 10.2 |
| o-Xylene | U | 5.00 | U | 5.10 |
| Styrene | U | 5.00 | U | 5.10 |
| Isopropylbenzene | U | 5.00 | U | 5.10 |
| 1,1,2,2-Tetrachloroethane | U | 5.00 | U | 5.10 |
| 1,2,3-Trichloropropane | U | 5.00 | U | 5.10 |
| n-Propylbenzene | U | 5.00 | U | 5.10 |
| Bromobenzene | U | 5.00 | U | 5.10 |
| 1,3,5-Trimethylbenzene | U | 5.00 | U | 5.10 |
| 2-Chlorotoluene | U | 5.00 | U | 5.10 |
| 4-Chlorotoluene | U | 5.00 | U | 5.10 |
| tert-Butylbenzene | U | 5.00 | U | 5.10 |
| 1,2,4-Trimethylbenzene | U | 5.00 | U | 5.10 |
| sec-Butylbenzene | U | 5.00 | U | 5.10 |
| p-Isopropyltoluene | U | 5.00 | U | 5.10 |
| 1,3-Dichlorobenzene | U | 5.00 | U | 5.10 |
| 1,4-Dichlorobenzene | U | 5.00 | U | 5.10 |
| n-Butylbenzene | U | 5.00 | U | 5.10 |
| 1,2-Dichlorobenzene | U | 5.00 | U | 5.10 |
| 1,2-Dibromo-3-chloropropane | U | 5.00 | U | 5.10 |
| 1,2,4-Trichlorobenzene | U | 5.00 | U | 5.10 |
| Hexachlorobutadiene | U | 5.00 | U | 5.10 |
| Naphthalene | U | 5.00 | U | 5.10 |
| 1,2,3-Trichlorobenzene | U | 5.00 | U | 5.10 |

Table 1.1 (cont) Results of the Analysis of VOC in Soil
WA # 0-254 Roosevelt Field Ground Water Contamination Superfund Site
Results Based on Dry Weight

Method: REAC SOP 1807



| Sample Number | Soil Blank B 071207-1 | | 01-254-0017 | | 01-254-0020 | | 01-254-0024 | | 01-254-0018 | |
|---|---|---|---|---|---|---|---|---|---|---|
| Sample Location: | | | H-01 15' | | D-17 15' | | K-0 35' | | H-01 15'DUP | |
| Percent-Solids | 100 | | 96 | | 94 | | 85 | | 96 | |
| Analyte | Result µg/Kg | RL µg/Kg | Result µg/Kg | RL µg/Kg | Result µg/Kg | RL µg/Kg | Result µg/Kg | RL µg/Kg | Result µg/Kg | RL µg/Kg |
| Dichlorodifluoromethane | U | 5.00 | U | 5.21 | U | 5.32 | U | 5.88 | U | 5.21 |
| Chloromethane | U | 5.00 | U | 5.21 | U | 5.32 | U | 5.88 | U | 5.21 |
| Vinyl Chloride | U | 5.00 | U | 5.21 | U | 5.32 | U | 5.88 | U | 5.21 |
| Bromomethane | U | 5.00 | U | 5.21 | U | 5.32 | U | 5.88 | U | 5.21 |
| Chloroethane | U | 5.00 | U | 5.21 | U | 5.32 | U | 5.88 | U | 5.21 |
| Trichlorofluoromethane | U | 5.00 | U | 5.21 | U | 5.32 | U | 5.88 | U | 5.21 |
| Acetone | U | 20.0 | U | 20.8 | U | 21.3 | U | 23.5 | U | 20.8 |
| 1,1-Dichloroethene | U | 5.00 | U | 5.21 | U | 5.32 | U | 5.88 | U | 5.21 |
| Methylene Chloride | U | 20.0 | U | 20.8 | U | 21.3 | U | 23.5 | U | 20.8 |
| Carbon Disulfide | U | 5.00 | U | 5.21 | U | 5.32 | U | 5.88 | U | 5.21 |
| Methyl-t-butyl Ether | U | 5.00 | U | 5.21 | U | 5.32 | U | 5.88 | U | 5.21 |
| trans-1,2-Dichloroethene | U | 5.00 | U | 5.21 | U | 5.32 | U | 5.88 | U | 5.21 |
| 1,1-Dichloroethane | U | 5.00 | U | 5.21 | U | 5.32 | U | 5.88 | U | 5.21 |
| 2-Butanone | U | 5.00 | U | 5.21 | U | 5.32 | U | 5.88 | U | 5.21 |
| 2,2-Dichloropropane | U | 5.00 | U | 5.21 | U | 5.32 | U | 5.88 | U | 5.21 |
| cis-1,2-Dichloroethene | U | 5.00 | U | 5.21 | U | 5.32 | U | 5.88 | U | 5.21 |
| Chloroform | U | 5.00 | U | 5.21 | U | 5.32 | U | 5.88 | U | 5.21 |
| 1,1-Dichloropropene | U | 5.00 | U | 5.21 | U | 5.32 | U | 5.88 | U | 5.21 |
| 1,2-Dichloroethane | U | 5.00 | U | 5.21 | U | 5.32 | U | 5.88 | U | 5.21 |
| 1,1,1-Trichloroethane | U | 5.00 | U | 5.21 | U | 5.32 | U | 5.88 | U | 5.21 |
| Carbon Tetrachloride | U | 5.00 | U | 5.21 | U | 5.32 | U | 5.88 | U | 5.21 |
| Benzene | U | 5.00 | U | 5.21 | U | 5.32 | U | 5.88 | U | 5.21 |
| Trichloroethene | U | 5.00 | U | 5.21 | U | 5.32 | U | 5.88 | U | 5.21 |
| 1,2-Dichloropropane | U | 5.00 | U | 5.21 | U | 5.32 | U | 5.88 | U | 5.21 |
| Bromodichloromethane | U | 5.00 | U | 5.21 | U | 5.32 | U | 5.88 | U | 5.21 |
| Dibromomethane | U | 5.00 | U | 5.21 | U | 5.32 | U | 5.88 | U | 5.21 |
| cis-1,3-Dichloropropene | U | 5.00 | U | 5.21 | U | 5.32 | U | 5.88 | U | 5.21 |
| trans-1,3-Dichloropropene | U | 5.00 | U | 5.21 | U | 5.32 | U | 5.88 | U | 5.21 |
| 1,1,2-Trichloroethane | U | 5.00 | U | 5.21 | U | 5.32 | U | 5.88 | U | 5.21 |
| 1,3-Dichloropropane | U | 5.00 | U | 5.21 | U | 5.32 | U | 5.88 | U | 5.21 |
| Dibromochloromethane | U | 5.00 | U | 5.21 | U | 5.32 | U | 5.88 | U | 5.21 |
| 1,2-Dibromoethane | U | 5.00 | U | 5.21 | U | 5.32 | U | 5.88 | U | 5.21 |
| Bromoform | U | 5.00 | U | 5.21 | U | 5.32 | U | 5.88 | U | 5.21 |
| 4-Methyl-2-pentanone | U | 5.00 | U | 5.21 | U | 5.32 | U | 5.88 | U | 5.21 |
| Toluene | U | 5.00 | U | 5.21 | U | 5.32 | U | 5.88 | U | 5.21 |
| 2-Hexanone | U | 5.00 | U | 5.21 | U | 5.32 | U | 5.88 | U | 5.21 |
| Tetrachloroethene | U | 5.00 | U | 5.21 | U | 5.32 | U | 5.88 | U | 5.21 |
| Chlorobenzene | U | 5.00 | U | 5.21 | U | 5.32 | U | 5.88 | U | 5.21 |
| 1,1,1,2-Tetrachloroethane | U | 5.00 | U | 5.21 | U | 5.32 | U | 5.88 | U | 5.21 |
| Ethylbenzene | U | 5.00 | U | 5.21 | U | 5.32 | U | 5.88 | U | 5.21 |
| p&m-Xylene | U | 10.0 | U | 10.4 | U | 10.6 | U | 11.8 | U | 10.4 |
| o-Xylene | U | 5.00 | U | 5.21 | U | 5.32 | U | 5.88 | U | 5.21 |
| Styrene | U | 5.00 | U | 5.21 | U | 5.32 | U | 5.88 | U | 5.21 |
| Isopropylbenzene | U | 5.00 | U | 5.21 | U | 5.32 | U | 5.88 | U | 5.21 |
| 1,1,2,2-Tetrachloroethane | U | 5.00 | U | 5.21 | U | 5.32 | U | 5.88 | U | 5.21 |
| 1,2,3-Trichloropropane | U | 5.00 | U | 5.21 | U | 5.32 | U | 5.88 | U | 5.21 |
| n-Propylbenzene | U | 5.00 | U | 5.21 | U | 5.32 | U | 5.88 | U | 5.21 |
| Bromobenzene | U | 5.00 | U | 5.21 | U | 5.32 | U | 5.88 | U | 5.21 |
| 1,3,5-Trimethylbenzene | U | 5.00 | U | 5.21 | U | 5.32 | U | 5.88 | U | 5.21 |
| 2-Chlorotoluene | U | 5.00 | U | 5.21 | U | 5.32 | U | 5.88 | U | 5.21 |
| 4-Chlorotoluene | U | 5.00 | U | 5.21 | U | 5.32 | U | 5.88 | U | 5.21 |
| tert-Butylbenzene | U | 5.00 | U | 5.21 | U | 5.32 | U | 5.88 | U | 5.21 |
| 1,2,4-Trimethylbenzene | U | 5.00 | U | 5.21 | U | 5.32 | U | 5.88 | U | 5.21 |
| sec-Butylbenzene | U | 5.00 | U | 5.21 | U | 5.32 | U | 5.88 | U | 5.21 |
| p-Isopropyltoluene | U | 5.00 | U | 5.21 | U | 5.32 | U | 5.88 | U | 5.21 |
| 1,3-Dichlorobenzene | U | 5.00 | U | 5.21 | U | 5.32 | U | 5.88 | U | 5.21 |
| 1,4-Dichlorobenzene | U | 5.00 | U | 5.21 | U | 5.32 | U | 5.88 | U | 5.21 |
| n-Butylbenzene | U | 5.00 | U | 5.21 | U | 5.32 | U | 5.88 | U | 5.21 |
| 1,2-Dichlorobenzene | U | 5.00 | U | 5.21 | U | 5.32 | U | 5.88 | U | 5.21 |
| 1,2-Dibromo-3-chloropropane | U | 5.00 | U | 5.21 | U | 5.32 | U | 5.88 | U | 5.21 |
| 1,2,4-Trichlorobenzene | U | 5.00 | U | 5.21 | U | 5.32 | U | 5.88 | U | 5.21 |
| Hexachlorobutadiene | U | 5.00 | U | 5.21 | U | 5.32 | U | 5.88 | U | 5.21 |
| Naphthalene | U | 5.00 | U | 5.21 | U | 5.32 | U | 5.88 | U | 5.21 |
| 1,2,3-Trichlorobenzene | U | 5.00 | U | 5.21 | U | 5.32 | U | 5.88 | U | 5.21 |

Table 1.1 (cont) Results of the Analysis of VOC in Soil
WA # 0-254 Roosevelt Field Ground Water Contamination Superfund Site
Results Based on Dry Weight

Method: REAC SOP 1807



| Sample Number | Soil Blank B 071207-1 | | 01-254-0019 | | 01-254-0021 | | 01-254-0022 | | 01-254-0023 | |
|---|---|---|---|---|---|---|---|---|---|---|
| Sample Location: | | | H-01 25' | | D-17 32' | | K-0 15' | | K-0 15'DUP | |
| Percent-Solids | 100 | | 97 | | 85 | | 96 | | 96 | |
| Analyte | Result µg/Kg | RL µg/Kg | Result µg/Kg | RL µg/Kg | Result µg/Kg | RL µg/Kg | Result µg/Kg | RL µg/Kg | Result µg/Kg | RL µg/Kg |
| Dichlorodifluoromethane | U | 5.00 | U | 5.15 | U | 5.88 | U | 5.21 | U | 5.21 |
| Chloromethane | U | 5.00 | U | 5.15 | U | 5.88 | U | 5.21 | U | 5.21 |
| Vinyl Chloride | U | 5.00 | U | 5.15 | U | 5.88 | U | 5.21 | U | 5.21 |
| Bromomethane | U | 5.00 | U | 5.15 | U | 5.88 | U | 5.21 | U | 5.21 |
| Chloroethane | U | 5.00 | U | 5.15 | U | 5.88 | U | 5.21 | U | 5.21 |
| Trichlorofluoromethane | U | 5.00 | U | 5.15 | U | 5.88 | U | 5.21 | U | 5.21 |
| Acetone | U | 20.0 | U | 20.6 | U | 23.5 | U | 20.8 | U | 20.8 |
| 1,1-Dichloroethene | U | 5.00 | U | 5.15 | U | 5.88 | U | 5.21 | U | 5.21 |
| Methylene Chloride | U | 20.0 | U | 20.6 | U | 23.5 | U | 20.8 | U | 20.8 |
| Carbon Disulfide | U | 5.00 | U | 5.15 | U | 5.88 | U | 5.21 | U | 5.21 |
| Methyl-t-butyl Ether | U | 5.00 | U | 5.15 | U | 5.88 | U | 5.21 | U | 5.21 |
| trans-1,2-Dichloroethene | U | 5.00 | U | 5.15 | U | 5.88 | U | 5.21 | U | 5.21 |
| 1,1-Dichloroethane | U | 5.00 | U | 5.15 | U | 5.88 | U | 5.21 | U | 5.21 |
| 2-Butanone | U | 5.00 | U | 5.15 | U | 5.88 | U | 5.21 | U | 5.21 |
| 2,2-Dichloropropane | U | 5.00 | U | 5.15 | U | 5.88 | U | 5.21 | U | 5.21 |
| cis-1,2-Dichloroethene | U | 5.00 | U | 5.15 | U | 5.88 | U | 5.21 | U | 5.21 |
| Chloroform | U | 5.00 | U | 5.15 | U | 5.88 | U | 5.21 | U | 5.21 |
| 1,1-Dichloropropene | U | 5.00 | U | 5.15 | U | 5.88 | U | 5.21 | U | 5.21 |
| 1,2-Dichloroethane | U | 5.00 | U | 5.15 | U | 5.88 | U | 5.21 | U | 5.21 |
| 1,1,1-Trichloroethane | U | 5.00 | U | 5.15 | U | 5.88 | U | 5.21 | U | 5.21 |
| Carbon Tetrachloride | U | 5.00 | U | 5.15 | U | 5.88 | U | 5.21 | U | 5.21 |
| Benzene | U | 5.00 | U | 5.15 | U | 5.88 | U | 5.21 | U | 5.21 |
| Trichloroethene | U | 5.00 | U | 5.15 | U | 5.88 | U | 5.21 | U | 5.21 |
| 1,2-Dichloropropane | U | 5.00 | U | 5.15 | U | 5.88 | U | 5.21 | U | 5.21 |
| Bromodichloromethane | U | 5.00 | U | 5.15 | U | 5.88 | U | 5.21 | U | 5.21 |
| Dibromomethane | U | 5.00 | U | 5.15 | U | 5.88 | U | 5.21 | U | 5.21 |
| cis-1,3-Dichloropropene | U | 5.00 | U | 5.15 | U | 5.88 | U | 5.21 | U | 5.21 |
| trans-1,3-Dichloropropene | U | 5.00 | U | 5.15 | U | 5.88 | U | 5.21 | U | 5.21 |
| 1,1,2-Trichloroethane | U | 5.00 | U | 5.15 | U | 5.88 | U | 5.21 | U | 5.21 |
| 1,3-Dichloropropane | U | 5.00 | U | 5.15 | U | 5.88 | U | 5.21 | U | 5.21 |
| Dibromochloromethane | U | 5.00 | U | 5.15 | U | 5.88 | U | 5.21 | U | 5.21 |
| 1,2-Dibromoethane | U | 5.00 | U | 5.15 | U | 5.88 | U | 5.21 | U | 5.21 |
| Bromoform | U | 5.00 | U | 5.15 | U | 5.88 | U | 5.21 | U | 5.21 |
| 4-Methyl-2-pentanone | U | 5.00 | U | 5.15 | U | 5.88 | U | 5.21 | U | 5.21 |
| Toluene | U | 5.00 | U | 5.15 | U | 5.88 | U | 5.21 | U | 5.21 |
| 2-Hexanone | U | 5.00 | U | 5.15 | U | 5.88 | U | 5.21 | U | 5.21 |
| Tetrachloroethene | U | 5.00 | U | 5.15 | U | 5.88 | U | 5.21 | U | 5.21 |
| Chlorobenzene | U | 5.00 | U | 5.15 | U | 5.88 | U | 5.21 | U | 5.21 |
| 1,1,1,2-Tetrachloroethane | U | 5.00 | U | 5.15 | U | 5.88 | U | 5.21 | U | 5.21 |
| Ethylbenzene | U | 5.00 | U | 5.15 | U | 5.88 | U | 5.21 | U | 5.21 |
| p&m-Xylene | U | 10.0 | U | 10.3 | U | 11.8 | U | 10.4 | U | 10.4 |
| o-Xylene | U | 5.00 | U | 5.15 | U | 5.88 | U | 5.21 | U | 5.21 |
| Styrene | U | 5.00 | U | 5.15 | U | 5.88 | U | 5.21 | U | 5.21 |
| Isopropylbenzene | U | 5.00 | U | 5.15 | U | 5.88 | U | 5.21 | U | 5.21 |
| 1,1,2,2-Tetrachloroethane | U | 5.00 | U | 5.15 | U | 5.88 | U | 5.21 | U | 5.21 |
| 1,2,3-Trichloropropane | U | 5.00 | U | 5.15 | U | 5.88 | U | 5.21 | U | 5.21 |
| n-Propylbenzene | U | 5.00 | U | 5.15 | U | 5.88 | U | 5.21 | U | 5.21 |
| Bromobenzene | U | 5.00 | U | 5.15 | U | 5.88 | U | 5.21 | U | 5.21 |
| 1,3,5-Trimethylbenzene | U | 5.00 | U | 5.15 | U | 5.88 | U | 5.21 | U | 5.21 |
| 2-Chlorotoluene | U | 5.00 | U | 5.15 | U | 5.88 | U | 5.21 | U | 5.21 |
| 4-Chlorotoluene | U | 5.00 | U | 5.15 | U | 5.88 | U | 5.21 | U | 5.21 |
| tert-Butylbenzene | U | 5.00 | U | 5.15 | U | 5.88 | U | 5.21 | U | 5.21 |
| 1,2,4-Trimethylbenzene | U | 5.00 | U | 5.15 | U | 5.88 | U | 5.21 | U | 5.21 |
| sec-Butylbenzene | U | 5.00 | U | 5.15 | U | 5.88 | U | 5.21 | U | 5.21 |
| p-Isopropyltoluene | U | 5.00 | U | 5.15 | U | 5.88 | U | 5.21 | U | 5.21 |
| 1,3-Dichlorobenzene | U | 5.00 | U | 5.15 | U | 5.88 | U | 5.21 | U | 5.21 |
| 1,4-Dichlorobenzene | U | 5.00 | U | 5.15 | U | 5.88 | U | 5.21 | U | 5.21 |
| n-Butylbenzene | U | 5.00 | U | 5.15 | U | 5.88 | U | 5.21 | U | 5.21 |
| 1,2-Dichlorobenzene | U | 5.00 | U | 5.15 | U | 5.88 | U | 5.21 | U | 5.21 |
| 1,2-Dibromo-3-chloropropane | U | 5.00 | U | 5.15 | U | 5.88 | U | 5.21 | U | 5.21 |
| 1,2,4-Trichlorobenzene | U | 5.00 | U | 5.15 | U | 5.88 | U | 5.21 | U | 5.21 |
| Hexachlorobutadiene | U | 5.00 | U | 5.15 | U | 5.88 | U | 5.21 | U | 5.21 |
| Naphthalene | U | 5.00 | U | 5.15 | U | 5.88 | U | 5.21 | U | 5.21 |
| 1,2,3-Trichlorobenzene | U | 5.00 | U | 5.15 | U | 5.88 | U | 5.21 | U | 5.21 |

Table 1.1 (cont) Results of the Analysis of VOC in Soil
WA # 0-254 Roosevelt Field Ground Water Contamination Superfund Site
*Results Based on Dry Weight*

Method: REAC SOP 1807



| Sample Number | Soil Blank B 071307-2 | | 01-254-0025 | | 01-254-0026 | | 01-254-0027 | | 01-254-0028 | |
|---|---|---|---|---|---|---|---|---|---|---|
| Sample Location: | | | K-0 17' | | A-0 15' | | A-0 17' | | A-0 39' | |
| Percent-Solids | 100 | | 89 | | 96 | | 96 | | 90 | |
| Analyte | Result µg/Kg | RL µg/Kg | Result µg/Kg | RL µg/Kg | Result µg/Kg | RL µg/Kg | Result µg/Kg | RL µg/Kg | Result µg/Kg | RL µg/Kg |
| Dichlorodifluoromethane | U | 5.00 | U | 5.62 | U | 5.21 | U | 5.21 | U | 5.56 |
| Chloromethane | U | 5.00 | U | 5.62 | U | 5.21 | U | 5.21 | U | 5.56 |
| Vinyl Chloride | U | 5.00 | U | 5.62 | U | 5.21 | U | 5.21 | U | 5.56 |
| Bromomethane | U | 5.00 | U | 5.62 | U | 5.21 | U | 5.21 | U | 5.56 |
| Chloroethane | U | 5.00 | U | 5.62 | U | 5.21 | U | 5.21 | U | 5.56 |
| Trichlorofluoromethane | U | 5.00 | U | 5.62 | U | 5.21 | U | 5.21 | U | 5.56 |
| Acetone | U | 20.0 | U | 22.5 | U | 20.8 | U | 20.8 | U | 22.2 |
| 1,1-Dichloroethene | U | 5.00 | U | 5.62 | U | 5.21 | U | 5.21 | U | 5.56 |
| Methylene Chloride | U | 20.0 | U | 22.5 | U | 20.8 | U | 20.8 | U | 22.2 |
| Carbon Disulfide | U | 5.00 | U | 5.62 | U | 5.21 | U | 5.21 | U | 5.56 |
| Methyl-t-butyl Ether | U | 5.00 | U | 5.62 | U | 5.21 | U | 5.21 | U | 5.56 |
| trans-1,2-Dichloroethene | U | 5.00 | U | 5.62 | U | 5.21 | U | 5.21 | U | 5.56 |
| 1,1-Dichloroethane | U | 5.00 | U | 5.62 | U | 5.21 | U | 5.21 | U | 5.56 |
| 2-Butanone | U | 5.00 | U | 5.62 | U | 5.21 | U | 5.21 | U | 5.56 |
| 2,2-Dichloropropane | U | 5.00 | U | 5.62 | U | 5.21 | U | 5.21 | U | 5.56 |
| cis-1,2-Dichloroethene | U | 5.00 | U | 5.62 | U | 5.21 | U | 5.21 | U | 5.56 |
| Chloroform | U | 5.00 | U | 5.62 | U | 5.21 | U | 5.21 | U | 5.56 |
| 1,1-Dichloropropene | U | 5.00 | U | 5.62 | U | 5.21 | U | 5.21 | U | 5.56 |
| 1,2-Dichloroethane | U | 5.00 | U | 5.62 | U | 5.21 | U | 5.21 | U | 5.56 |
| 1,1,1-Trichloroethane | U | 5.00 | U | 5.62 | U | 5.21 | U | 5.21 | U | 5.56 |
| Carbon Tetrachloride | U | 5.00 | U | 5.62 | U | 5.21 | U | 5.21 | U | 5.56 |
| Benzene | U | 5.00 | U | 5.62 | U | 5.21 | U | 5.21 | U | 5.56 |
| Trichloroethene | U | 5.00 | U | 5.62 | U | 5.21 | U | 5.21 | U | 5.56 |
| 1,2-Dichloropropane | U | 5.00 | U | 5.62 | U | 5.21 | U | 5.21 | U | 5.56 |
| Bromodichloromethane | U | 5.00 | U | 5.62 | U | 5.21 | U | 5.21 | U | 5.56 |
| Dibromomethane | U | 5.00 | U | 5.62 | U | 5.21 | U | 5.21 | U | 5.56 |
| cis-1,3-Dichloropropene | U | 5.00 | U | 5.62 | U | 5.21 | U | 5.21 | U | 5.56 |
| trans-1,3-Dichloropropene | U | 5.00 | U | 5.62 | U | 5.21 | U | 5.21 | U | 5.56 |
| 1,1,2-Trichloroethane | U | 5.00 | U | 5.62 | U | 5.21 | U | 5.21 | U | 5.56 |
| 1,3-Dichloropropane | U | 5.00 | U | 5.62 | U | 5.21 | U | 5.21 | U | 5.56 |
| Dibromochloromethane | U | 5.00 | U | 5.62 | U | 5.21 | U | 5.21 | U | 5.56 |
| 1,2-Dibromoethane | U | 5.00 | U | 5.62 | U | 5.21 | U | 5.21 | U | 5.56 |
| Bromoform | U | 5.00 | U | 5.62 | U | 5.21 | U | 5.21 | U | 5.56 |
| 4-Methyl-2-pentanone | U | 5.00 | U | 5.62 | U | 5.21 | U | 5.21 | U | 5.56 |
| Toluene | U | 5.00 | U | 5.62 | U | 5.21 | U | 5.21 | U | 5.56 |
| 2-Hexanone | U | 5.00 | U | 5.62 | U | 5.21 | U | 5.21 | U | 5.56 |
| Tetrachloroethene | U | 5.00 | U | 5.62 | U | 5.21 | U | 5.21 | U | 5.56 |
| Chlorobenzene | U | 5.00 | U | 5.62 | U | 5.21 | U | 5.21 | U | 5.56 |
| 1,1,1,2-Tetrachloroethane | U | 5.00 | U | 5.62 | U | 5.21 | U | 5.21 | U | 5.56 |
| Ethylbenzene | U | 5.00 | U | 5.62 | U | 5.21 | U | 5.21 | U | 5.56 |
| p&m-Xylene | U | 10.0 | U | 11.2 | U | 10.4 | U | 10.4 | U | 11.1 |
| o-Xylene | U | 5.00 | U | 5.62 | U | 5.21 | U | 5.21 | U | 5.56 |
| Styrene | U | 5.00 | U | 5.62 | U | 5.21 | U | 5.21 | U | 5.56 |
| Isopropylbenzene | U | 5.00 | U | 5.62 | U | 5.21 | U | 5.21 | U | 5.56 |
| 1,1,2,2-Tetrachloroethane | U | 5.00 | U | 5.62 | U | 5.21 | U | 5.21 | U | 5.56 |
| 1,2,3-Trichloropropane | U | 5.00 | U | 5.62 | U | 5.21 | U | 5.21 | U | 5.56 |
| n-Propylbenzene | U | 5.00 | U | 5.62 | U | 5.21 | U | 5.21 | U | 5.56 |
| Bromobenzene | U | 5.00 | U | 5.62 | U | 5.21 | U | 5.21 | U | 5.56 |
| 1,3,5-Trimethylbenzene | U | 5.00 | U | 5.62 | U | 5.21 | U | 5.21 | U | 5.56 |
| 2-Chlorotoluene | U | 5.00 | U | 5.62 | U | 5.21 | U | 5.21 | U | 5.56 |
| 4-Chlorotoluene | U | 5.00 | U | 5.62 | U | 5.21 | U | 5.21 | U | 5.56 |
| tert-Butylbenzene | U | 5.00 | U | 5.62 | U | 5.21 | U | 5.21 | U | 5.56 |
| 1,2,4-Trimethylbenzene | U | 5.00 | U | 5.62 | U | 5.21 | U | 5.21 | U | 5.56 |
| sec-Butylbenzene | U | 5.00 | U | 5.62 | U | 5.21 | U | 5.21 | U | 5.56 |
| p-Isopropyltoluene | U | 5.00 | U | 5.62 | U | 5.21 | U | 5.21 | U | 5.56 |
| 1,3-Dichlorobenzene | U | 5.00 | U | 5.62 | U | 5.21 | U | 5.21 | U | 5.56 |
| 1,4-Dichlorobenzene | U | 5.00 | U | 5.62 | U | 5.21 | U | 5.21 | U | 5.56 |
| n-Butylbenzene | U | 5.00 | U | 5.62 | U | 5.21 | U | 5.21 | U | 5.56 |
| 1,2-Dichlorobenzene | U | 5.00 | U | 5.62 | U | 5.21 | U | 5.21 | U | 5.56 |
| 1,2-Dibromo-3-chloropropane | U | 5.00 | U | 5.62 | U | 5.21 | U | 5.21 | U | 5.56 |
| 1,2,4-Trichlorobenzene | U | 5.00 | U | 5.62 | U | 5.21 | U | 5.21 | U | 5.56 |
| Hexachlorobutadiene | U | 5.00 | U | 5.62 | U | 5.21 | U | 5.21 | U | 5.56 |
| Naphthalene | U | 5.00 | U | 5.62 | U | 5.21 | U | 5.21 | U | 5.56 |
| 1,2,3-Trichlorobenzene | U | 5.00 | U | 5.62 | U | 5.21 | U | 5.21 | U | 5.56 |

Table 1.1 (cont) Results of the Analysis of VOC in Soil
WA # 0-254 Roosevelt Field Ground Water Contamination Superfund Site
Results Based on Dry Weight

Method: REAC SOP 1807



| Sample Number | Soil Blank B 071307-2 | | 01-254-0029 | | 01-254-0030 | |
|---|---|---|---|---|---|---|
| Sample Location: | | | A-9 15' | | A-9 37' | |
| Percent-Solids | 100 | | 97 | | 95 | |
| Analyte | Result µg/Kg | RL µg/Kg | Result µg/Kg | RL µg/Kg | Result µg/Kg | RL µg/Kg |
| Dichlorodifluoromethane | U | 5.00 | U | 5.15 | U | 5.26 |
| Chloromethane | U | 5.00 | U | 5.15 | U | 5.26 |
| Vinyl Chloride | U | 5.00 | U | 5.15 | U | 5.26 |
| Bromomethane | U | 5.00 | U | 5.15 | U | 5.26 |
| Chloroethane | U | 5.00 | U | 5.15 | U | 5.26 |
| Trichlorofluoromethane | U | 5.00 | U | 5.15 | U | 5.26 |
| Acetone | U | 20.0 | U | 20.6 | U | 21.1 |
| 1,1-Dichloroethene | U | 5.00 | U | 5.15 | U | 5.26 |
| Methylene Chloride | U | 20.0 | U | 20.6 | U | 21.1 |
| Carbon Disulfide | U | 5.00 | U | 5.15 | U | 5.26 |
| Methyl-t-butyl Ether | U | 5.00 | U | 5.15 | U | 5.26 |
| trans-1,2-Dichloroethene | U | 5.00 | U | 5.15 | U | 5.26 |
| 1,1-Dichloroethane | U | 5.00 | U | 5.15 | U | 5.26 |
| 2-Butanone | U | 5.00 | U | 5.15 | U | 5.26 |
| 2,2-Dichloropropane | U | 5.00 | U | 5.15 | U | 5.26 |
| cis-1,2-Dichloroethene | U | 5.00 | U | 5.15 | U | 5.26 |
| Chloroform | U | 5.00 | U | 5.15 | U | 5.26 |
| 1,1-Dichloropropene | U | 5.00 | U | 5.15 | U | 5.26 |
| 1,2-Dichloroethane | U | 5.00 | U | 5.15 | U | 5.26 |
| 1,1,1-Trichloroethane | U | 5.00 | U | 5.15 | U | 5.26 |
| Carbon Tetrachloride | U | 5.00 | U | 5.15 | U | 5.26 |
| Benzene | U | 5.00 | U | 5.15 | U | 5.26 |
| Trichloroethene | U | 5.00 | U | 5.15 | U | 5.26 |
| 1,2-Dichloropropane | U | 5.00 | U | 5.15 | U | 5.26 |
| Bromodichloromethane | U | 5.00 | U | 5.15 | U | 5.26 |
| Dibromomethane | U | 5.00 | U | 5.15 | U | 5.26 |
| cis-1,3-Dichloropropene | U | 5.00 | U | 5.15 | U | 5.26 |
| trans-1,3-Dichloropropene | U | 5.00 | U | 5.15 | U | 5.26 |
| 1,1,2-Trichloroethane | U | 5.00 | U | 5.15 | U | 5.26 |
| 1,3-Dichloropropane | U | 5.00 | U | 5.15 | U | 5.26 |
| Dibromochloromethane | U | 5.00 | U | 5.15 | U | 5.26 |
| 1,2-Dibromoethane | U | 5.00 | U | 5.15 | U | 5.26 |
| Bromoform | U | 5.00 | U | 5.15 | U | 5.26 |
| 4-Methyl-2-pentanone | U | 5.00 | U | 5.15 | U | 5.26 |
| Toluene | U | 5.00 | U | 5.15 | U | 5.26 |
| 2-Hexanone | U | 5.00 | U | 5.15 | U | 5.26 |
| Tetrachloroethene | U | 5.00 | U | 5.15 | U | 5.26 |
| Chlorobenzene | U | 5.00 | U | 5.15 | U | 5.26 |
| 1,1,1,2-Tetrachloroethane | U | 5.00 | U | 5.15 | U | 5.26 |
| Ethylbenzene | U | 5.00 | U | 5.15 | U | 5.26 |
| p&m-Xylene | U | 10.0 | U | 10.3 | U | 10.5 |
| o-Xylene | U | 5.00 | U | 5.15 | U | 5.26 |
| Styrene | U | 5.00 | U | 5.15 | U | 5.26 |
| Isopropylbenzene | U | 5.00 | U | 5.15 | U | 5.26 |
| 1,1,2,2-Tetrachloroethane | U | 5.00 | U | 5.15 | U | 5.26 |
| 1,2,3-Trichloropropane | U | 5.00 | U | 5.15 | U | 5.26 |
| n-Propylbenzene | U | 5.00 | U | 5.15 | U | 5.26 |
| Bromobenzene | U | 5.00 | U | 5.15 | U | 5.26 |
| 1,3,5-Trimethylbenzene | U | 5.00 | U | 5.15 | U | 5.26 |
| 2-Chlorotoluene | U | 5.00 | U | 5.15 | U | 5.26 |
| 4-Chlorotoluene | U | 5.00 | U | 5.15 | U | 5.26 |
| tert-Butylbenzene | U | 5.00 | U | 5.15 | U | 5.26 |
| 1,2,4-Trimethylbenzene | U | 5.00 | U | 5.15 | U | 5.26 |
| sec-Butylbenzene | U | 5.00 | U | 5.15 | U | 5.26 |
| p-Isopropyltoluene | U | 5.00 | U | 5.15 | U | 5.26 |
| 1,3-Dichlorobenzene | U | 5.00 | U | 5.15 | U | 5.26 |
| 1,4-Dichlorobenzene | U | 5.00 | U | 5.15 | U | 5.26 |
| n-Butylbenzene | U | 5.00 | U | 5.15 | U | 5.26 |
| 1,2-Dichlorobenzene | U | 5.00 | U | 5.15 | U | 5.26 |
| 1,2-Dibromo-3-chloropropane | U | 5.00 | U | 5.15 | U | 5.26 |
| 1,2,4-Trichlorobenzene | U | 5.00 | U | 5.15 | U | 5.26 |
| Hexachlorobutadiene | U | 5.00 | U | 5.15 | U | 5.26 |
| Naphthalene | U | 5.00 | U | 5.15 | U | 5.26 |
| 1,2,3-Trichlorobenzene | U | 5.00 | U | 5.15 | U | 5.26 |

*Table 1.1 (cont) Results of the Analysis of VOC in Soil*
WA # 0-254 Roosevelt Field Ground Water Contamination Superfund Site
Results Based on Dry Weight



Method: REAC SOP 1807

| Sample Number | Soil Blank B 072007-1 | | 01-254-0033 | | 01-254-0037 | | 01-254-0031 | | 01-254-0032 | |
|---|---|---|---|---|---|---|---|---|---|---|
| Sample Location: | | | A-16 36' | | A-2 27' | | A-16 15' | | A-16 15'DUP | |
| Percent solids | 100 | | 86 | | 99 | | 98 | | 98 | |
| Analyte | Result µg/Kg | RL µg/Kg | Result µg/Kg | RL µg/Kg | Result µg/Kg | RL µg/Kg | Result µg/Kg | RL µg/Kg | Result µg/Kg | RL µg/Kg |
| Dichlorodifluoromethane | U | 5.00 | U | 5.81 | U | 5.05 | U | 5.10 | U | 5.10 |
| Chloromethane | U | 5.00 | U | 5.81 | U | 5.05 | U | 5.10 | U | 5.10 |
| Vinyl Chloride | U | 5.00 | U | 5.81 | U | 5.05 | U | 5.10 | U | 5.10 |
| Bromomethane | U | 5.00 | U | 5.81 | U | 5.05 | U | 5.10 | U | 5.10 |
| Chloroethane | U | 5.00 | U | 5.81 | U | 5.05 | U | 5.10 | U | 5.10 |
| Trichlorofluoromethane | U | 5.00 | U | 5.81 | U | 5.05 | U | 5.10 | U | 5.10 |
| Acetone | U | 20.0 | U | 23.3 | U | 20.2 | U | 20.4 | U | 20.4 |
| 1,1-Dichloroethene | U | 5.00 | U | 5.81 | U | 5.05 | U | 5.10 | U | 5.10 |
| Methylene Chloride | U | 5.00 | U | 5.81 | U | 5.05 | U | 5.10 | U | 5.10 |
| Carbon Disulfide | U | 5.00 | U | 5.81 | U | 5.05 | U | 5.10 | U | 5.10 |
| Methyl-t-butyl Ether | U | 5.00 | U | 5.81 | U | 5.05 | U | 5.10 | U | 5.10 |
| trans-1,2-Dichloroethene | U | 5.00 | U | 5.81 | U | 5.05 | U | 5.10 | U | 5.10 |
| 1,1-Dichloroethane | U | 5.00 | U | 5.81 | U | 5.05 | U | 5.10 | U | 5.10 |
| 2-Butanone | U | 5.00 | U | 5.81 | U | 5.05 | U | 5.10 | U | 5.10 |
| 2,2-Dichloropropane | U | 5.00 | U | 5.81 | U | 5.05 | U | 5.10 | U | 5.10 |
| cis-1,2-Dichloroethene | U | 5.00 | U | 5.81 | U | 5.05 | U | 5.10 | U | 5.10 |
| Chloroform | U | 5.00 | U | 5.81 | U | 5.05 | U | 5.10 | U | 5.10 |
| 1,1-Dichloropropene | U | 5.00 | U | 5.81 | U | 5.05 | U | 5.10 | U | 5.10 |
| 1,2-Dichloroethane | U | 5.00 | U | 5.81 | U | 5.05 | U | 5.10 | U | 5.10 |
| 1,1,1-Trichloroethane | U | 5.00 | U | 5.81 | U | 5.05 | U | 5.10 | U | 5.10 |
| Carbon Tetrachloride | U | 5.00 | U | 5.81 | U | 5.05 | U | 5.10 | U | 5.10 |
| Benzene | U | 5.00 | U | 5.81 | U | 5.05 | U | 5.10 | U | 5.10 |
| Trichloroethene | U | 5.00 | U | 5.81 | U | 5.05 | U | 5.10 | U | 5.10 |
| 1,2-Dichloropropane | U | 5.00 | U | 5.81 | U | 5.05 | U | 5.10 | U | 5.10 |
| Bromodichloromethane | U | 5.00 | U | 5.81 | U | 5.05 | U | 5.10 | U | 5.10 |
| Dibromomethane | U | 5.00 | U | 5.81 | U | 5.05 | U | 5.10 | U | 5.10 |
| cis-1,3-Dichloropropene | U | 5.00 | U | 5.81 | U | 5.05 | U | 5.10 | U | 5.10 |
| trans-1,3-Dichloropropene | U | 5.00 | U | 5.81 | U | 5.05 | U | 5.10 | U | 5.10 |
| 1,1,2-Trichloroethane | U | 5.00 | U | 5.81 | U | 5.05 | U | 5.10 | U | 5.10 |
| 1,3-Dichloropropane | U | 5.00 | U | 5.81 | U | 5.05 | U | 5.10 | U | 5.10 |
| Dibromochloromethane | U | 5.00 | U | 5.81 | U | 5.05 | U | 5.10 | U | 5.10 |
| 1,2-Dibromoethane | U | 5.00 | U | 5.81 | U | 5.05 | U | 5.10 | U | 5.10 |
| Bromoform | U | 5.00 | U | 5.81 | U | 5.05 | U | 5.10 | U | 5.10 |
| 4-Methyl-2-pentanone | U | 5.00 | U | 5.81 | U | 5.05 | U | 5.10 | U | 5.10 |
| Toluene | U | 5.00 | U | 5.81 | U | 5.05 | U | 5.10 | U | 5.10 |
| 2-Hexanone | U | 5.00 | U | 5.81 | U | 5.05 | U | 5.10 | U | 5.10 |
| Tetrachloroethene | U | 5.00 | U | 5.81 | U | 5.05 | U | 5.10 | U | 5.10 |
| Chlorobenzene | U | 5.00 | U | 5.81 | U | 5.05 | U | 5.10 | U | 5.10 |
| 1,1,1,2-Tetrachloroethane | U | 5.00 | U | 5.81 | U | 5.05 | U | 5.10 | U | 5.10 |
| Ethylbenzene | U | 5.00 | U | 5.81 | U | 5.05 | U | 5.10 | U | 5.10 |
| p&m-Xylene | U | 10.0 | U | 11.6 | U | 10.1 | U | 10.2 | U | 10.2 |
| o-Xylene | U | 5.00 | U | 5.81 | U | 5.05 | U | 5.10 | U | 5.10 |
| Styrene | U | 5.00 | U | 5.81 | U | 5.05 | U | 5.10 | U | 5.10 |
| Isopropylbenzene | U | 5.00 | U | 5.81 | U | 5.05 | U | 5.10 | U | 5.10 |
| 1,1,2,2-Tetrachloroethane | U | 5.00 | U | 5.81 | U | 5.05 | U | 5.10 | U | 5.10 |
| 1,2,3-Trichloropropane | U | 5.00 | U | 5.81 | U | 5.05 | U | 5.10 | U | 5.10 |
| n-Propylbenzene | U | 5.00 | U | 5.81 | U | 5.05 | U | 5.10 | U | 5.10 |
| Bromobenzene | U | 5.00 | U | 5.81 | U | 5.05 | U | 5.10 | U | 5.10 |
| 1,3,5-Trimethylbenzene | U | 5.00 | U | 5.81 | U | 5.05 | U | 5.10 | U | 5.10 |
| 2-Chlorotoluene | U | 5.00 | U | 5.81 | U | 5.05 | U | 5.10 | U | 5.10 |
| 4-Chlorotoluene | U | 5.00 | U | 5.81 | U | 5.05 | U | 5.10 | U | 5.10 |
| tert-Butylbenzene | U | 5.00 | U | 5.81 | U | 5.05 | U | 5.10 | U | 5.10 |
| 1,2,4-Trimethylbenzene | U | 5.00 | U | 5.81 | U | 5.05 | U | 5.10 | U | 5.10 |
| sec-Butylbenzene | U | 5.00 | U | 5.81 | U | 5.05 | U | 5.10 | U | 5.10 |
| p-Isopropyltoluene | U | 5.00 | U | 5.81 | U | 5.05 | U | 5.10 | U | 5.10 |
| 1,3-Dichlorobenzene | U | 5.00 | U | 5.81 | U | 5.05 | U | 5.10 | U | 5.10 |
| 1,4-Dichlorobenzene | U | 5.00 | U | 5.81 | U | 5.05 | U | 5.10 | U | 5.10 |
| n-Butylbenzene | U | 5.00 | U | 5.81 | U | 5.05 | U | 5.10 | U | 5.10 |
| 1,2-Dichlorobenzene | U | 5.00 | U | 5.81 | U | 5.05 | U | 5.10 | U | 5.10 |
| 1,2-Dibromo-3-chloropropane | U | 5.00 | U | 5.81 | U | 5.05 | U | 5.10 | U | 5.10 |
| 1,2,4-Trichlorobenzene | U | 5.00 | U | 5.81 | U | 5.05 | U | 5.10 | U | 5.10 |
| Hexachlorobutadiene | U | 5.00 | U | 5.81 | U | 5.05 | U | 5.10 | U | 5.10 |
| Naphthalene | U | 5.00 | U | 5.81 | U | 5.05 | U | 5.10 | U | 5.10 |
| 1,2,3-Trichlorobenzene | U | 5.00 | U | 5.81 | U | 5.05 | U | 5.10 | U | 5.10 |

Table 1.1 (cont) Results of the Analysis of VOC in Soil
WA # 0-254 Roosevelt Field Ground Water Contamination Superfund Site
Results Based on Dry Weight



Method: REAC SOP 1807

| Sample Number | Soil Blank B 072007-1 | | 01-254-0034 | | 01-254-0035 | | 01-254-0036 | | 01-254-0038 | |
|---|---|---|---|---|---|---|---|---|---|---|
| Sample Location: | | | A-13 15' | | A-13 38' | | A-2 15' | | A-2 37' | |
| Percent solids | 100 | | 96 | | 91 | | 97 | | 85 | |
| Analyte | Result µg/Kg | RL µg/Kg | Result µg/Kg | RL µg/Kg | Result µg/Kg | RL µg/Kg | Result µg/Kg | RL µg/Kg | Result µg/Kg | RL µg/Kg |
| Dichlorodifluoromethane | U | 5.00 | U | 5.21 | U | 5.49 | U | 5.15 | U | 5.88 |
| Chloromethane | U | 5.00 | U | 5.21 | U | 5.49 | U | 5.15 | U | 5.88 |
| Vinyl Chloride | U | 5.00 | U | 5.21 | U | 5.49 | U | 5.15 | U | 5.88 |
| Bromomethane | U | 5.00 | U | 5.21 | U | 5.49 | U | 5.15 | U | 5.88 |
| Chloroethane | U | 5.00 | U | 5.21 | U | 5.49 | U | 5.15 | U | 5.88 |
| Trichlorofluoromethane | U | 5.00 | U | 5.21 | U | 5.49 | U | 5.15 | U | 5.88 |
| Acetone | U | 20.0 | U | 20.8 | U | 22.0 | U | 20.6 | U | 23.5 |
| 1,1-Dichloroethene | U | 5.00 | U | 5.21 | U | 5.49 | U | 5.15 | U | 5.88 |
| Methylene Chloride | U | 5.00 | U | 5.21 | U | 5.49 | U | 5.15 | U | 5.88 |
| Carbon Disulfide | U | 5.00 | U | 5.21 | U | 5.49 | U | 5.15 | U | 5.88 |
| Methyl-t-butyl Ether | U | 5.00 | U | 5.21 | U | 5.49 | U | 5.15 | U | 5.88 |
| trans-1,2-Dichloroethene | U | 5.00 | U | 5.21 | U | 5.49 | U | 5.15 | U | 5.88 |
| 1,1-Dichloroethane | U | 5.00 | U | 5.21 | U | 5.49 | U | 5.15 | U | 5.88 |
| 2-Butanone | U | 5.00 | U | 5.21 | U | 5.49 | U | 5.15 | U | 5.88 |
| 2,2-Dichloropropane | U | 5.00 | U | 5.21 | U | 5.49 | U | 5.15 | U | 5.88 |
| cis-1,2-Dichloroethene | U | 5.00 | U | 5.21 | U | 5.49 | U | 5.15 | U | 5.88 |
| Chloroform | U | 5.00 | U | 5.21 | U | 5.49 | U | 5.15 | U | 5.88 |
| 1,1-Dichloropropene | U | 5.00 | U | 5.21 | U | 5.49 | U | 5.15 | U | 5.88 |
| 1,2-Dichloroethane | U | 5.00 | U | 5.21 | U | 5.49 | U | 5.15 | U | 5.88 |
| 1,1,1-Trichloroethane | U | 5.00 | U | 5.21 | U | 5.49 | U | 5.15 | U | 5.88 |
| Carbon Tetrachloride | U | 5.00 | U | 5.21 | U | 5.49 | U | 5.15 | U | 5.88 |
| Benzene | U | 5.00 | U | 5.21 | U | 5.49 | U | 5.15 | U | 5.88 |
| Trichloroethene | U | 5.00 | U | 5.21 | U | 5.49 | U | 5.15 | U | 5.88 |
| 1,2-Dichloropropane | U | 5.00 | U | 5.21 | U | 5.49 | U | 5.15 | U | 5.88 |
| Bromodichloromethane | U | 5.00 | U | 5.21 | U | 5.49 | U | 5.15 | U | 5.88 |
| Dibromomethane | U | 5.00 | U | 5.21 | U | 5.49 | U | 5.15 | U | 5.88 |
| cis-1,3-Dichloropropene | U | 5.00 | U | 5.21 | U | 5.49 | U | 5.15 | U | 5.88 |
| trans-1,3-Dichloropropene | U | 5.00 | U | 5.21 | U | 5.49 | U | 5.15 | U | 5.88 |
| 1,1,2-Trichloroethane | U | 5.00 | U | 5.21 | U | 5.49 | U | 5.15 | U | 5.88 |
| 1,3-Dichloropropane | U | 5.00 | U | 5.21 | U | 5.49 | U | 5.15 | U | 5.88 |
| Dibromochloromethane | U | 5.00 | U | 5.21 | U | 5.49 | U | 5.15 | U | 5.88 |
| 1,2-Dibromoethane | U | 5.00 | U | 5.21 | U | 5.49 | U | 5.15 | U | 5.88 |
| Bromoform | U | 5.00 | U | 5.21 | U | 5.49 | U | 5.15 | U | 5.88 |
| 4-Methyl-2-pentanone | U | 5.00 | U | 5.21 | U | 5.49 | U | 5.15 | U | 5.88 |
| Toluene | U | 5.00 | U | 5.21 | U | 5.49 | U | 5.15 | U | 5.88 |
| 2-Hexanone | U | 5.00 | U | 5.21 | U | 5.49 | U | 5.15 | U | 5.88 |
| Tetrachloroethene | U | 5.00 | U | 5.21 | U | 5.49 | U | 5.15 | U | 5.88 |
| Chlorobenzene | U | 5.00 | U | 5.21 | U | 5.49 | U | 5.15 | U | 5.88 |
| 1,1,1,2-Tetrachloroethane | U | 5.00 | U | 5.21 | U | 5.49 | U | 5.15 | U | 5.88 |
| Ethylbenzene | U | 5.00 | U | 5.21 | U | 5.49 | U | 5.15 | U | 5.88 |
| p&m-Xylene | U | 10.0 | U | 10.4 | U | 11.0 | U | 10.3 | U | 11.8 |
| o-Xylene | U | 5.00 | U | 5.21 | U | 5.49 | U | 5.15 | U | 5.88 |
| Styrene | U | 5.00 | U | 5.21 | U | 5.49 | U | 5.15 | U | 5.88 |
| Isopropylbenzene | U | 5.00 | U | 5.21 | U | 5.49 | U | 5.15 | U | 5.88 |
| 1,1,2,2-Tetrachloroethane | U | 5.00 | U | 5.21 | U | 5.49 | U | 5.15 | U | 5.88 |
| 1,2,3-Trichloropropane | U | 5.00 | U | 5.21 | U | 5.49 | U | 5.15 | U | 5.88 |
| n-Propylbenzene | U | 5.00 | U | 5.21 | U | 5.49 | U | 5.15 | U | 5.88 |
| Bromobenzene | U | 5.00 | U | 5.21 | U | 5.49 | U | 5.15 | U | 5.88 |
| 1,3,5-Trimethylbenzene | U | 5.00 | U | 5.21 | U | 5.49 | U | 5.15 | U | 5.88 |
| 2-Chlorotoluene | U | 5.00 | U | 5.21 | U | 5.49 | U | 5.15 | U | 5.88 |
| 4-Chlorotoluene | U | 5.00 | U | 5.21 | U | 5.49 | U | 5.15 | U | 5.88 |
| tert-Butylbenzene | U | 5.00 | U | 5.21 | U | 5.49 | U | 5.15 | U | 5.88 |
| 1,2,4-Trimethylbenzene | U | 5.00 | U | 5.21 | U | 5.49 | U | 5.15 | U | 5.88 |
| sec-Butylbenzene | U | 5.00 | U | 5.21 | U | 5.49 | U | 5.15 | U | 5.88 |
| p-Isopropyltoluene | U | 5.00 | U | 5.21 | U | 5.49 | U | 5.15 | U | 5.88 |
| 1,3-Dichlorobenzene | U | 5.00 | U | 5.21 | U | 5.49 | U | 5.15 | U | 5.88 |
| 1,4-Dichlorobenzene | U | 5.00 | U | 5.21 | U | 5.49 | U | 5.15 | U | 5.88 |
| n-Butylbenzene | U | 5.00 | U | 5.21 | U | 5.49 | U | 5.15 | U | 5.88 |
| 1,2-Dichlorobenzene | U | 5.00 | U | 5.21 | U | 5.49 | U | 5.15 | U | 5.88 |
| 1,2-Dibromo-3-chloropropane | U | 5.00 | U | 5.21 | U | 5.49 | U | 5.15 | U | 5.88 |
| 1,2,4-Trichlorobenzene | U | 5.00 | U | 5.21 | U | 5.49 | U | 5.15 | U | 5.88 |
| Hexachlorobutadiene | U | 5.00 | U | 5.21 | U | 5.49 | U | 5.15 | U | 5.88 |
| Naphthalene | U | 5.00 | U | 5.21 | U | 5.49 | U | 5.15 | U | 5.88 |
| 1,2,3-Trichlorobenzene | U | 5.00 | U | 5.21 | U | 5.49 | U | 5.15 | U | 5.88 |

Table 1.1 (cont) Results of the Analysis of VOC in Soil
WA # 0-254 Roosevelt Field Ground Water Contamination Superfund Site
Results Based on Dry Weight



Method: REAC SOP 1807

| Sample Number | Soil Blank B 072007-1 | | 01-254-0039 | | 01-254-0040 | |
|---|---|---|---|---|---|---|
| Sample Location: | | | A-7 15' | | A-7 34' | |
| Percent solids | 100 | | 93 | | 85 | |
| Analyte | Result µg/Kg | RL µg/Kg | Result µg/Kg | RL µg/Kg | Result µg/Kg | RL µg/Kg |
| Dichlorodifluoromethane | U | 5.00 | U | 5.38 | U | 5.88 |
| Chloromethane | U | 5.00 | U | 5.38 | U | 5.88 |
| Vinyl Chloride | U | 5.00 | U | 5.38 | U | 5.88 |
| Bromomethane | U | 5.00 | U | 5.38 | U | 5.88 |
| Chloroethane | U | 5.00 | U | 5.38 | U | 5.88 |
| Trichlorofluoromethane | U | 5.00 | U | 5.38 | U | 5.88 |
| Acetone | U | 20.0 | U | 21.5 | U | 23.5 |
| 1,1-Dichloroethene | U | 5.00 | U | 5.38 | U | 5.88 |
| Methylene Chloride | U | 5.00 | U | 5.38 | U | 5.88 |
| Carbon Disulfide | U | 5.00 | U | 5.38 | U | 5.88 |
| Methyl-t-butyl Ether | U | 5.00 | U | 5.38 | U | 5.88 |
| trans-1,2-Dichloroethene | U | 5.00 | U | 5.38 | U | 5.88 |
| 1,1-Dichloroethane | U | 5.00 | U | 5.38 | U | 5.88 |
| 2-Butanone | U | 5.00 | U | 5.38 | U | 5.88 |
| 2,2-Dichloropropane | U | 5.00 | U | 5.38 | U | 5.88 |
| cis-1,2-Dichloroethene | U | 5.00 | U | 5.38 | U | 5.88 |
| Chloroform | U | 5.00 | U | 5.38 | U | 5.88 |
| 1,1-Dichloropropene | U | 5.00 | U | 5.38 | U | 5.88 |
| 1,2-Dichloroethane | U | 5.00 | U | 5.38 | U | 5.88 |
| 1,1,1-Trichloroethane | U | 5.00 | U | 5.38 | U | 5.88 |
| Carbon Tetrachloride | U | 5.00 | U | 5.38 | U | 5.88 |
| Benzene | U | 5.00 | U | 5.38 | U | 5.88 |
| Trichloroethene | U | 5.00 | U | 5.38 | U | 5.88 |
| 1,2-Dichloropropane | U | 5.00 | U | 5.38 | U | 5.88 |
| Bromodichloromethane | U | 5.00 | U | 5.38 | U | 5.88 |
| Dibromomethane | U | 5.00 | U | 5.38 | U | 5.88 |
| cis-1,3-Dichloropropene | U | 5.00 | U | 5.38 | U | 5.88 |
| trans-1,3-Dichloropropene | U | 5.00 | U | 5.38 | U | 5.88 |
| 1,1,2-Trichloroethane | U | 5.00 | U | 5.38 | U | 5.88 |
| 1,3-Dichloropropane | U | 5.00 | U | 5.38 | U | 5.88 |
| Dibromochloromethane | U | 5.00 | U | 5.38 | U | 5.88 |
| 1,2-Dibromoethane | U | 5.00 | U | 5.38 | U | 5.88 |
| Bromoform | U | 5.00 | U | 5.38 | U | 5.88 |
| 4-Methyl-2-pentanone | U | 5.00 | U | 5.38 | U | 5.88 |
| Toluene | U | 5.00 | U | 5.38 | U | 5.88 |
| 2-Hexanone | U | 5.00 | U | 5.38 | U | 5.88 |
| Tetrachloroethene | U | 5.00 | U | 5.38 | U | 5.88 |
| Chlorobenzene | U | 5.00 | U | 5.38 | U | 5.88 |
| 1,1,1,2-Tetrachloroethane | U | 5.00 | U | 5.38 | U | 5.88 |
| Ethylbenzene | U | 5.00 | U | 5.38 | U | 5.88 |
| p&m-Xylene | U | 10.0 | U | 10.8 | U | 11.8 |
| o-Xylene | U | 5.00 | U | 5.38 | U | 5.88 |
| Styrene | U | 5.00 | U | 5.38 | U | 5.88 |
| Isopropylbenzene | U | 5.00 | U | 5.38 | U | 5.88 |
| 1,1,2,2-Tetrachloroethane | U | 5.00 | U | 5.38 | U | 5.88 |
| 1,2,3-Trichloropropane | U | 5.00 | U | 5.38 | U | 5.88 |
| n-Propylbenzene | U | 5.00 | U | 5.38 | U | 5.88 |
| Bromobenzene | U | 5.00 | U | 5.38 | U | 5.88 |
| 1,3,5-Trimethylbenzene | U | 5.00 | U | 5.38 | U | 5.88 |
| 2-Chlorotoluene | U | 5.00 | U | 5.38 | U | 5.88 |
| 4-Chlorotoluene | U | 5.00 | U | 5.38 | U | 5.88 |
| tert-Butylbenzene | U | 5.00 | U | 5.38 | U | 5.88 |
| 1,2,4-Trimethylbenzene | U | 5.00 | U | 5.38 | U | 5.88 |
| sec-Butylbenzene | U | 5.00 | U | 5.38 | U | 5.88 |
| p-Isopropyltoluene | U | 5.00 | U | 5.38 | U | 5.88 |
| 1,3-Dichlorobenzene | U | 5.00 | U | 5.38 | U | 5.88 |
| 1,4-Dichlorobenzene | U | 5.00 | U | 5.38 | U | 5.88 |
| n-Butylbenzene | U | 5.00 | U | 5.38 | U | 5.88 |
| 1,2-Dichlorobenzene | U | 5.00 | U | 5.38 | U | 5.88 |
| 1,2-Dibromo-3-chloropropane | U | 5.00 | U | 5.38 | U | 5.88 |
| 1,2,4-Trichlorobenzene | U | 5.00 | U | 5.38 | U | 5.88 |
| Hexachlorobutadiene | U | 5.00 | U | 5.38 | U | 5.88 |
| Naphthalene | U | 5.00 | U | 5.38 | U | 5.88 |
| 1,2,3-Trichlorobenzene | U | 5.00 | U | 5.38 | U | 5.88 |

Table 1.1 (cont) Results of the Analysis of VOC in Soil
WA # 0-254 Roosevelt Field Ground Water Contamination Superfund Site
Results Based on Dry Weight



Method: REAC SOP 1807

| Sample Number | Soil Blank B 072507-1 | | 01-254-0041 | | 01-254-0042 | | 01-254-0044 | | 01-254-0046 | |
|---|---|---|---|---|---|---|---|---|---|---|
| Sample Location: | | | A-1 15' | | A-1 15'DUP | | A-3 15' | | A-6 15' | |
| Percent solids | 100 | | 96 | | 96 | | 97 | | 95 | |
| Analyte | Result µg/Kg | RL µg/Kg | Result µg/Kg | RL µg/Kg | Result µg/Kg | RL µg/Kg | Result µg/Kg | RL µg/Kg | Result µg/Kg | RL µg/Kg |
| Dichlorodifluoromethane | U | 5.00 | U | 5.21 | U | 5.21 | U | 5.15 | U | 5.26 |
| Chloromethane | U | 5.00 | U | 5.21 | U | 5.21 | U | 5.15 | U | 5.26 |
| Vinyl Chloride | U | 5.00 | U | 5.21 | U | 5.21 | U | 5.15 | U | 5.26 |
| Bromomethane | U | 5.00 | U | 5.21 | U | 5.21 | U | 5.15 | U | 5.26 |
| Chloroethane | U | 5.00 | U | 5.21 | U | 5.21 | U | 5.15 | U | 5.26 |
| Trichlorofluoromethane | U | 5.00 | U | 5.21 | U | 5.21 | U | 5.15 | U | 5.26 |
| Acetone | U | 20.0 | U | 20.8 | U | 20.8 | U | 20.6 | U | 21.1 |
| 1,1-Dichloroethene | U | 5.00 | U | 5.21 | U | 5.21 | U | 5.15 | U | 5.26 |
| Methylene Chloride | U | 5.00 | U | 5.21 | U | 5.21 | U | 5.15 | U | 5.26 |
| Carbon Disulfide | U | 5.00 | U | 5.21 | U | 5.21 | U | 5.15 | U | 5.26 |
| Methyl-t-butyl Ether | U | 5.00 | U | 5.21 | U | 5.21 | U | 5.15 | U | 5.26 |
| trans-1,2-Dichloroethene | U | 5.00 | U | 5.21 | U | 5.21 | U | 5.15 | U | 5.26 |
| 1,1-Dichloroethane | U | 5.00 | U | 5.21 | U | 5.21 | U | 5.15 | U | 5.26 |
| 2-Butanone | U | 5.00 | U | 5.21 | U | 5.21 | U | 5.15 | U | 5.26 |
| 2,2-Dichloropropane | U | 5.00 | U | 5.21 | U | 5.21 | U | 5.15 | U | 5.26 |
| cis-1,2-Dichloroethene | U | 5.00 | U | 5.21 | U | 5.21 | U | 5.15 | U | 5.26 |
| Chloroform | U | 5.00 | U | 5.21 | U | 5.21 | U | 5.15 | U | 5.26 |
| 1,1-Dichloropropene | U | 5.00 | U | 5.21 | U | 5.21 | U | 5.15 | U | 5.26 |
| 1,2-Dichloroethane | U | 5.00 | U | 5.21 | U | 5.21 | U | 5.15 | U | 5.26 |
| 1,1,1-Trichloroethane | U | 5.00 | U | 5.21 | U | 5.21 | U | 5.15 | U | 5.26 |
| Carbon Tetrachloride | U | 5.00 | U | 5.21 | U | 5.21 | U | 5.15 | U | 5.26 |
| Benzene | U | 5.00 | U | 5.21 | U | 5.21 | U | 5.15 | U | 5.26 |
| Trichloroethene | U | 5.00 | U | 5.21 | U | 5.21 | U | 5.15 | U | 5.26 |
| 1,2-Dichloropropane | U | 5.00 | U | 5.21 | U | 5.21 | U | 5.15 | U | 5.26 |
| Bromodichloromethane | U | 5.00 | U | 5.21 | U | 5.21 | U | 5.15 | U | 5.26 |
| Dibromomethane | U | 5.00 | U | 5.21 | U | 5.21 | U | 5.15 | U | 5.26 |
| cis-1,3-Dichloropropene | U | 5.00 | U | 5.21 | U | 5.21 | U | 5.15 | U | 5.26 |
| trans-1,3-Dichloropropene | U | 5.00 | U | 5.21 | U | 5.21 | U | 5.15 | U | 5.26 |
| 1,1,2-Trichloroethane | U | 5.00 | U | 5.21 | U | 5.21 | U | 5.15 | U | 5.26 |
| 1,3-Dichloropropane | U | 5.00 | U | 5.21 | U | 5.21 | U | 5.15 | U | 5.26 |
| Dibromochloromethane | U | 5.00 | U | 5.21 | U | 5.21 | U | 5.15 | U | 5.26 |
| 1,2-Dibromoethane | U | 5.00 | U | 5.21 | U | 5.21 | U | 5.15 | U | 5.26 |
| Bromoform | U | 5.00 | U | 5.21 | U | 5.21 | U | 5.15 | U | 5.26 |
| 4-Methyl-2-pentanone | U | 5.00 | U | 5.21 | U | 5.21 | U | 5.15 | U | 5.26 |
| Toluene | U | 5.00 | U | 5.21 | U | 5.21 | U | 5.15 | U | 5.26 |
| 2-Hexanone | U | 5.00 | U | 5.21 | U | 5.21 | U | 5.15 | U | 5.26 |
| Tetrachloroethene | U | 5.00 | U | 5.21 | U | 5.21 | U | 5.15 | U | 5.26 |
| Chlorobenzene | U | 5.00 | U | 5.21 | U | 5.21 | U | 5.15 | U | 5.26 |
| 1,1,1,2-Tetrachloroethane | U | 5.00 | U | 5.21 | U | 5.21 | U | 5.15 | U | 5.26 |
| Ethylbenzene | U | 5.00 | U | 5.21 | U | 5.21 | U | 5.15 | U | 5.26 |
| p&m-Xylene | U | 10.0 | U | 10.4 | U | 10.4 | U | 10.3 | U | 10.5 |
| o-Xylene | U | 5.00 | U | 5.21 | U | 5.21 | U | 5.15 | U | 5.26 |
| Styrene | U | 5.00 | U | 5.21 | U | 5.21 | U | 5.15 | U | 5.26 |
| Isopropylbenzene | U | 5.00 | U | 5.21 | U | 5.21 | U | 5.15 | U | 5.26 |
| 1,1,2,2-Tetrachloroethane | U | 5.00 | U | 5.21 | U | 5.21 | U | 5.15 | U | 5.26 |
| 1,2,3-Trichloropropane | U | 5.00 | U | 5.21 | U | 5.21 | U | 5.15 | U | 5.26 |
| n-Propylbenzene | U | 5.00 | U | 5.21 | U | 5.21 | U | 5.15 | U | 5.26 |
| Bromobenzene | U | 5.00 | U | 5.21 | U | 5.21 | U | 5.15 | U | 5.26 |
| 1,3,5-Trimethylbenzene | U | 5.00 | U | 5.21 | U | 5.21 | U | 5.15 | U | 5.26 |
| 2-Chlorotoluene | U | 5.00 | U | 5.21 | U | 5.21 | U | 5.15 | U | 5.26 |
| 4-Chlorotoluene | U | 5.00 | U | 5.21 | U | 5.21 | U | 5.15 | U | 5.26 |
| tert-Butylbenzene | U | 5.00 | U | 5.21 | U | 5.21 | U | 5.15 | U | 5.26 |
| 1,2,4-Trimethylbenzene | U | 5.00 | U | 5.21 | U | 5.21 | U | 5.15 | U | 5.26 |
| sec-Butylbenzene | U | 5.00 | U | 5.21 | U | 5.21 | U | 5.15 | U | 5.26 |
| p-Isopropyltoluene | U | 5.00 | U | 5.21 | U | 5.21 | U | 5.15 | U | 5.26 |
| 1,3-Dichlorobenzene | U | 5.00 | U | 5.21 | U | 5.21 | U | 5.15 | U | 5.26 |
| 1,4-Dichlorobenzene | U | 5.00 | U | 5.21 | U | 5.21 | U | 5.15 | U | 5.26 |
| n-Butylbenzene | U | 5.00 | U | 5.21 | U | 5.21 | U | 5.15 | U | 5.26 |
| 1,2-Dichlorobenzene | U | 5.00 | U | 5.21 | U | 5.21 | U | 5.15 | U | 5.26 |
| 1,2-Dibromo-3-chloropropane | U | 5.00 | U | 5.21 | U | 5.21 | U | 5.15 | U | 5.26 |
| 1,2,4-Trichlorobenzene | U | 5.00 | U | 5.21 | U | 5.21 | U | 5.15 | U | 5.26 |
| Hexachlorobutadiene | U | 5.00 | U | 5.21 | U | 5.21 | U | 5.15 | U | 5.26 |
| Naphthalene | U | 5.00 | U | 5.21 | U | 5.21 | U | 5.15 | U | 5.26 |
| 1,2,3-Trichlorobenzene | U | 5.00 | U | 5.21 | U | 5.21 | U | 5.15 | U | 5.26 |

Table 1.1 (cont) Results of the Analysis of VOC in Soil
WA # 0-254 Roosevelt Field Ground Water Contamination Superfund Site
Results Based on Dry Weight



Method: REAC SOP 1807

| Sample Number | Soil Blank B 072507-1 | | 01-254-0047 | |
|---|---|---|---|---|
| Sample Location: | | | A-8 34' | |
| Percent-Solids | 100 | | 90 | |
| Analyte | Result µg/Kg | RL µg/Kg | Result µg/Kg | RL µg/Kg |
| Dichlorodifluoromethane | U | 5.00 | U | 5.56 |
| Chloromethane | U | 5.00 | U | 5.56 |
| Vinyl Chloride | U | 5.00 | U | 5.56 |
| Bromomethane | U | 5.00 | U | 5.56 |
| Chloroethane | U | 5.00 | U | 5.56 |
| Trichlorofluoromethane | U | 5.00 | U | 5.56 |
| Acetone | U | 20.0 | U | 22.2 |
| 1,1-Dichloroethene | U | 5.00 | U | 5.56 |
| Methylene Chloride | U | 5.00 | U | 5.56 |
| Carbon Disulfide | U | 5.00 | U | 5.56 |
| Methyl-t-butyl Ether | U | 5.00 | U | 5.56 |
| trans-1,2-Dichloroethene | U | 5.00 | U | 5.56 |
| 1,1-Dichloroethane | U | 5.00 | U | 5.56 |
| 2-Butanone | U | 5.00 | U | 5.56 |
| 2,2-Dichloropropane | U | 5.00 | U | 5.56 |
| cis-1,2-Dichloroethene | U | 5.00 | U | 5.56 |
| Chloroform | U | 5.00 | U | 5.56 |
| 1,1-Dichloropropene | U | 5.00 | U | 5.56 |
| 1,2-Dichloroethane | U | 5.00 | U | 5.56 |
| 1,1,1-Trichloroethane | U | 5.00 | U | 5.56 |
| Carbon Tetrachloride | U | 5.00 | U | 5.56 |
| Benzene | U | 5.00 | U | 5.56 |
| Trichloroethene | U | 5.00 | U | 5.56 |
| 1,2-Dichloropropane | U | 5.00 | U | 5.56 |
| Bromodichloromethane | U | 5.00 | U | 5.56 |
| Dibromomethane | U | 5.00 | U | 5.56 |
| cis-1,3-Dichloropropene | U | 5.00 | U | 5.56 |
| trans-1,3-Dichloropropene | U | 5.00 | U | 5.56 |
| 1,1,2-Trichloroethane | U | 5.00 | U | 5.56 |
| 1,3-Dichloropropane | U | 5.00 | U | 5.56 |
| Dibromochloromethane | U | 5.00 | U | 5.56 |
| 1,2-Dibromoethane | U | 5.00 | U | 5.56 |
| Bromoform | U | 5.00 | U | 5.56 |
| 4-Methyl-2-pentanone | U | 5.00 | U | 5.56 |
| Toluene | U | 5.00 | U | 5.56 |
| 2-Hexanone | U | 5.00 | U | 5.56 |
| Tetrachloroethene | U | 5.00 | U | 5.56 |
| Chlorobenzene | U | 5.00 | U | 5.56 |
| 1,1,1,2-Tetrachloroethane | U | 5.00 | U | 5.56 |
| Ethylbenzene | U | 5.00 | U | 5.56 |
| p&m-Xylene | U | 10.0 | U | 11.1 |
| o-Xylene | U | 5.00 | U | 5.56 |
| Styrene | U | 5.00 | U | 5.56 |
| Isopropylbenzene | U | 5.00 | U | 5.56 |
| 1,1,2,2-Tetrachloroethane | U | 5.00 | U | 5.56 |
| 1,2,3-Trichloropropane | U | 5.00 | U | 5.56 |
| n-Propylbenzene | U | 5.00 | U | 5.56 |
| Bromobenzene | U | 5.00 | U | 5.56 |
| 1,3,5-Trimethylbenzene | U | 5.00 | U | 5.56 |
| 2-Chlorotoluene | U | 5.00 | U | 5.56 |
| 4-Chlorotoluene | U | 5.00 | U | 5.56 |
| tert-Butylbenzene | U | 5.00 | U | 5.56 |
| 1,2,4-Trimethylbenzene | U | 5.00 | U | 5.56 |
| sec-Butylbenzene | U | 5.00 | U | 5.56 |
| p-Isopropyltoluene | U | 5.00 | U | 5.56 |
| 1,3-Dichlorobenzene | U | 5.00 | U | 5.56 |
| 1,4-Dichlorobenzene | U | 5.00 | U | 5.56 |
| n-Butylbenzene | U | 5.00 | U | 5.56 |
| 1,2-Dichlorobenzene | U | 5.00 | U | 5.56 |
| 1,2-Dibromo-3-chloropropane | U | 5.00 | U | 5.56 |
| 1,2,4-Trichlorobenzene | U | 5.00 | U | 5.56 |
| Hexachlorobutadiene | U | 5.00 | U | 5.56 |
| Naphthalene | U | 5.00 | U | 5.56 |
| 1,2,3-Trichlorobenzene | U | 5.00 | U | 5.56 |

Table 1.1 (cont) Results of the Analysis of VOC in Soil
WA # 0-254 Roosevelt Field Ground Water Contamination Superfund Site
Results Based on Dry Weight



Method: REAC SOP 1807

| Sample Number | Soil Blank B 072607-2 | | 01-254-0043 | | 01-254-0045 | |
|---|---|---|---|---|---|---|
| Sample Location: | | | A-1 38' | | A-3 34' | |
| Percent_Solids | 100 | | 86 | | 84 | |
| Analyte | Result µg/Kg | *RL* µg/Kg | Result µg/Kg | *RL* µg/Kg | Result µg/Kg | *RL* µg/Kg |
| Dichlorodifluoromethane | U | 5.00 | U | 5.81 | U | 5.95 |
| Chloromethane | U | 5.00 | U | 5.81 | U | 5.95 |
| Vinyl Chloride | U | 5.00 | U | 5.81 | U | 5.95 |
| Bromomethane | U | 5.00 | U | 5.81 | U | 5.95 |
| Chloroethane | U | 5.00 | U | 5.81 | U | 5.95 |
| Trichlorofluoromethane | U | 5.00 | U | 5.81 | U | 5.95 |
| Acetone | U | 20.0 | U | 23.3 | U | 23.8 |
| 1,1-Dichloroethene | U | 5.00 | U | 5.81 | U | 5.95 |
| Methylene Chloride | U | 5.00 | U | 5.81 | U | 5.95 |
| Carbon Disulfide | U | 5.00 | U | 5.81 | U | 5.95 |
| Methyl-t-butyl Ether | U | 5.00 | U | 5.81 | U | 5.95 |
| trans-1,2-Dichloroethene | U | 5.00 | U | 5.81 | U | 5.95 |
| 1,1-Dichloroethane | U | 5.00 | U | 5.81 | U | 5.95 |
| 2-Butanone | U | 5.00 | U | 5.81 | U | 5.95 |
| 2,2-Dichloropropane | U | 5.00 | U | 5.81 | U | 5.95 |
| cis-1,2-Dichloroethene | U | 5.00 | U | 5.81 | U | 5.95 |
| Chloroform | U | 5.00 | U | 5.81 | U | 5.95 |
| 1,1-Dichloropropene | U | 5.00 | U | 5.81 | U | 5.95 |
| 1,2-Dichloroethane | U | 5.00 | U | 5.81 | U | 5.95 |
| 1,1,1-Trichloroethane | U | 5.00 | U | 5.81 | U | 5.95 |
| Carbon Tetrachloride | U | 5.00 | U | 5.81 | U | 5.95 |
| Benzene | U | 5.00 | U | 5.81 | U | 5.95 |
| Trichloroethene | U | 5.00 | U | 5.81 | U | 5.95 |
| 1,2-Dichloropropane | U | 5.00 | U | 5.81 | U | 5.95 |
| Bromodichloromethane | U | 5.00 | U | 5.81 | U | 5.95 |
| Dibromomethane | U | 5.00 | U | 5.81 | U | 5.95 |
| cis-1,3-Dichloropropene | U | 5.00 | U | 5.81 | U | 5.95 |
| trans-1,3-Dichloropropene | U | 5.00 | U | 5.81 | U | 5.95 |
| 1,1,2-Trichloroethane | U | 5.00 | U | 5.81 | U | 5.95 |
| 1,3-Dichloropropane | U | 5.00 | U | 5.81 | U | 5.95 |
| Dibromochloromethane | U | 5.00 | U | 5.81 | U | 5.95 |
| 1,2-Dibromoethane | U | 5.00 | U | 5.81 | U | 5.95 |
| Bromoform | U | 5.00 | U | 5.81 | U | 5.95 |
| 4-Methyl-2-pentanone | U | 5.00 | U | 5.81 | U | 5.95 |
| Toluene | U | 5.00 | U | 5.81 | U | 5.95 |
| 2-Hexanone | U | 5.00 | U | 5.81 | U | 5.95 |
| Tetrachloroethene | U | 5.00 | U | 5.81 | U | 5.95 |
| Chlorobenzene | U | 5.00 | U | 5.81 | U | 5.95 |
| 1,1,1,2-Tetrachloroethane | U | 5.00 | U | 5.81 | U | 5.95 |
| Ethylbenzene | U | 5.00 | U | 5.81 | U | 5.95 |
| p&m-Xylene | U | 10.0 | U | 11.6 | U | 11.9 |
| o-Xylene | U | 5.00 | U | 5.81 | U | 5.95 |
| Styrene | U | 5.00 | U | 5.81 | U | 5.95 |
| Isopropylbenzene | U | 5.00 | U | 5.81 | U | 5.95 |
| 1,1,2,2-Tetrachloroethane | U | 5.00 | U | 5.81 | U | 5.95 |
| 1,2,3-Trichloropropane | U | 5.00 | U | 5.81 | U | 5.95 |
| n-Propylbenzene | U | 5.00 | U | 5.81 | U | 5.95 |
| Bromobenzene | U | 5.00 | U | 5.81 | U | 5.95 |
| 1,3,5-Trimethylbenzene | U | 5.00 | U | 5.81 | U | 5.95 |
| 2-Chlorotoluene | U | 5.00 | U | 5.81 | U | 5.95 |
| 4-Chlorotoluene | U | 5.00 | U | 5.81 | U | 5.95 |
| tert-Butylbenzene | U | 5.00 | U | 5.81 | U | 5.95 |
| 1,2,4-Trimethylbenzene | U | 5.00 | U | 5.81 | U | 5.95 |
| sec-Butylbenzene | U | 5.00 | U | 5.81 | U | 5.95 |
| p-Isopropyltoluene | U | 5.00 | U | 5.81 | U | 5.95 |
| 1,3-Dichlorobenzene | U | 5.00 | U | 5.81 | U | 5.95 |
| 1,4-Dichlorobenzene | U | 5.00 | U | 5.81 | U | 5.95 |
| n-Butylbenzene | U | 5.00 | U | 5.81 | U | 5.95 |
| 1,2-Dichlorobenzene | U | 5.00 | U | 5.81 | U | 5.95 |
| 1,2-Dibromo-3-chloropropane | U | 5.00 | U | 5.81 | U | 5.95 |
| 1,2,4-Trichlorobenzene | U | 5.00 | U | 5.81 | U | 5.95 |
| Hexachlorobutadiene | U | 5.00 | U | 5.81 | U | 5.95 |
| Naphthalene | U | 5.00 | U | 5.81 | U | 5.95 |
| 1,2,3-Trichlorobenzene | U | 5.00 | U | 5.81 | U | 5.95 |

Table 1.2 Results of the Analysis for TICs in VOC in Soil
WA # 0-254 Roosevelt Field Ground Water Contamination Superfund Site

Method REAC SOP 1807



| Sample # | Compounds | Concentration*, µg/Kg |
|---|---|---|
| Soil Blank B 071007-1 | No TICs Found | |
| 01-254-0007 | No TICs Found | |
| 01-254-0001 | No TICs Found | |
| 01-254-0002 | No TICs Found | |
| 01-254-0003 | No TICs Found | |
| 01-254-0004 | No TICs Found | |
| 01-254-0005 | No TICs Found | |
| 01-254-0006 | No TICs Found | |
| Soil Blank B 071107-2 | No TICs Found | |
| 01-254-0008 | No TICs Found | |
| 01-254-0009 | No TICs Found | |
| 01-254-0010 | No TICs Found | |
| 01-254-0011 | No TICs Found | |
| 01-254-0012 | No TICs Found | |
| 01-254-0013 | No TICs Found | |
| 01-254-0014 | No TICs Found | |
| 01-254-0015 | No TICs Found | |
| 01-254-0016 | No TICs Found | |
| Soil Blank B 071207-1 | No TICs Found | |
| 01-254-0017 | No TICs Found | |
| 01-254-0020 | No TICs Found | |
| 01-254-0024 | No TICs Found | |
| 01-254-0018 | No TICs Found | |
| 01-254-0019 | No TICs Found | |
| 01-254-0021 | No TICs Found | |
| 01-254-0022 | No TICs Found | |
| 01-254-0023 | No TICs Found | |
| Soil Blank B 071307-2 | No TICs Found | |
| 01-254-0025 | No TICs Found | |
| 01-254-0026 | No TICs Found | |
| 01-254-0027 | No TICs Found | |
| 01-254-0028 | No TICs Found | |
| 01-254-0029 | No TICs Found | |
| 01-254-0030 | No TICs Found | |

Table 1.2 (cont) Results of the Analysis for TICs in VOC in Soil
WA # 0-254 Roosevelt Field Ground Water Contamination Superfund Site

Method REAC SOP 1807



| Sample # | Compounds | Concentration*, µg/Kg |
|---|---|---|
| Soil Blank B 072007-1 | No TICs Found | |
| 01-254-0033 | No TICs Found | |
| 01-254-0037 | No TICs Found | |
| 01-254-0031 | No TICs Found | |
| 01-254-0032 | No TICs Found | |
| 01-254-0034 | No TICs Found | |
| 01-254-0035 | No TICs Found | |
| 01-254-0036 | No TICs Found | |
| 01-254-0038 | No TICs Found | |
| 01-254-0039 | No TICs Found | |
| 01-254-0040 | No TICs Found | |
| Soil Blank B 072507-1 | No TICs Found | |
| 01-254-0041 | No TICs Found | |
| 01-254-0042 | No TICs Found | |
| 01-254-0044 | No TICs Found | |
| 01-254-0046 | No TICs Found | |
| 01-254-0047 | No TICs Found | |
| Soil Blank B 072607-2 | No TICs Found | |
| 01-254-0045 | No TICs Found | |
| 01-254-0043 | Methane, chlorodifluoro- | 7.14 |

*Estimated concentration

Table 2.1 Results of MS/MSD Analysis for VOC in Soil
WA # 0-254 Roosevelt Field Ground Water Contamination Superfund Site



Sample No. : 01-254-0007

| Analyte | Sample Conc. µg/kg | MS/MSD Spike Added µg/kg | MS Conc. µg/kg | MS % Recovery | MSD Conc. µg/kg | MSD % Recovery | RPD | QC Limits RPD | QC Limits % Recovery |
|---|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | U | 60.2 | 62.5 | 104 | 64.3 | 107 | 3 | 22 | 59 - 172 |
| Benzene | U | 60.2 | 59.6 | 99 | 63.1 | 105 | 6 | 21 | 66 - 142 |
| Trichloroethene | U | 60.2 | 58.2 | 97 | 61.9 | 103 | 6 | 24 | 62 - 137 |
| Toluene | U | 60.2 | 58.9 | 98 | 64.3 | 107 | 9 | 21 | 59 - 139 |
| Chlorobenzene | U | 60.2 | 59.4 | 99 | 63.5 | 105 | 7 | 21 | 60 - 133 |

Sample No. : 01-254-0010

| Analyte | Sample Conc. µg/kg | MS/MSD Spike Added µg/kg | MS Conc. µg/kg | MS % Recovery | MSD Conc. µg/kg | MSD % Recovery | RPD | QC Limits RPD | QC Limits % Recovery |
|---|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | U | 59.5 | 67.5 | 113 | 71.5 | 120 | 6 | 22 | 59 - 172 |
| Benzene | U | 59.5 | 59.2 | 100 | 61.4 | 103 | 4 | 21 | 66 - 142 |
| Trichloroethene | U | 59.5 | 57.5 | 97 | 59.9 | 101 | 4 | 24 | 62 - 137 |
| Toluene | U | 59.5 | 58.3 | 98 | 61.5 | 103 | 5 | 21 | 59 - 139 |
| Chlorobenzene | U | 59.5 | 59.0 | 99 | 61.5 | 103 | 4 | 21 | 60 - 133 |

Sample No. : 01-254-0020

| Analyte | Sample Conc. µg/kg | MS/MSD Spike Added µg/kg | MS Conc. µg/kg | MS % Recovery | MSD Conc. µg/kg | MSD % Recovery | RPD | QC Limits RPD | QC Limits % Recovery |
|---|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | U | 53.2 | 44.5 | 84 | 56.0 | 105 | 22 | 22 | 59 - 172 |
| Benzene | U | 53.2 | 45.8 | 86 | 54.9 | 103 | 18 | 21 | 66 - 142 |
| Trichloroethene | U | 53.2 | 44.0 | 83 | 52.1 | 98 | 17 | 24 | 62 - 137 |
| Toluene | U | 53.2 | 44.2 | 83 | 53.0 | 100 | 18 | 21 | 59 - 139 |
| Chlorobenzene | U | 53.2 | 44.8 | 84 | 53.2 | 100 | 17 | 21 | 60 - 133 |

Table 2.1 (cont) Results of MS/MSD Analysis for VOC in Soil
WA # 0-254 Roosevelt Field Ground Water Contamination Superfund Site
Results Based on Dry Weight



Sample No. : 01-254-0024

| Analyte | Sample Conc. µg/kg | MS/MSD Spike Added µg/kg | MS Conc. µg/kg | MS % Recovery | MSD Conc. µg/kg | MSD % Recovery | RPD | QC Limits RPD | QC Limits % Recovery |
|---|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | U | 58.8 | 67.4 | 115 | 64.5 | 110 | 4 | 22 | 59 - 172 |
| Benzene | U | 58.8 | 62.5 | 106 | 61.3 | 104 | 2 | 21 | 66 - 142 |
| Trichloroethene | U | 58.8 | 60.5 | 103 | 58.4 | 99 | 4 | 24 | 62 - 137 |
| Toluene | U | 58.8 | 61.7 | 105 | 60.8 | 103 | 1 | 21 | 59 - 139 |
| Chlorobenzene | U | 58.8 | 61.1 | 104 | 60.2 | 102 | 2 | 21 | 60 - 133 |

Sample No. : 01-254-0033

| Analyte | Sample Conc. µg/kg | MS/MSD Spike Added µg/kg | MS Conc. µg/kg | MS % Recovery | MSD Conc. µg/kg | MSD % Recovery | RPD | QC Limits RPD | QC Limits % Recovery |
|---|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | U | 58.1 | 60.3 | 104 | 60.8 | 105 | 1 | 22 | 59 - 172 |
| Benzene | U | 58.1 | 55.2 | 95 | 57.0 | 98 | 3 | 21 | 66 - 142 |
| Trichloroethene | U | 58.1 | 54.4 | 94 | 55.2 | 95 | 1 | 24 | 62 - 137 |
| Toluene | U | 58.1 | 56.0 | 96 | 56.5 | 97 | 1 | 21 | 59 - 139 |
| Chlorobenzene | U | 58.1 | 55.3 | 96 | 55.6 | 96 | 1 | 21 | 60 - 133 |

Sample No. : 01-254-0043

| Analyte | Sample Conc. µg/kg | MS/MSD Spike Added µg/kg | MS Conc. µg/kg | MS % Recovery | MSD Conc. µg/kg | MSD % Recovery | RPD | QC Limits RPD | QC Limits % Recovery |
|---|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | U | 58.1 | 57.6 | 99 | 68.7 | 118 | 18 | 22 | 59 - 172 |
| Benzene | U | 58.1 | 62.2 | 107 | 61.3 | 106 | 1 | 21 | 66 - 142 |
| Trichloroethene | U | 58.1 | 57.9 | 100 | 57.8 | 99 | 0 | 24 | 62 - 137 |
| Toluene | U | 58.1 | 57.4 | 99 | 58.9 | 101 | 5 | 21 | 59 - 139 |
| Chlorobenzene | U | 58.1 | 59.0 | 96 | 56.8 | 98 | 4 | 21 | 60 - 133 |

020A

Table 2.2 Results of LCS Analysis for VOC in Soil
WA # 0-254 Roosevelt Field Ground Water Contamination Superfund Site

Sample ID: LCS BS 99

| Analyte | LCS Spike Added µg/Kg | LCS Conc. µg/Kg | % Recovery | QC Limits % Recovery |
|---|---|---|---|---|
| 1,1-Dichloroethene | 50.0 | 53.8 | 108 | 70 - 130 |
| Benzene | 50.0 | 50.2 | 100 | 70 - 130 |
| Trichloroethene | 50.0 | 48.9 | 98 | 70 - 130 |
| Toluene | 50.0 | 50.1 | 100 | 70 - 130 |
| Chlorobenzene | 50.0 | 49.2 | 98 | 70 - 130 |

Sample ID: LCS BS 100

| Analyte | LCS Spike Added µg/Kg | LCS Conc. µg/Kg | % Recovery | QC Limits % Recovery |
|---|---|---|---|---|
| 1,1-Dichloroethene | 50.0 | 55.6 | 111 | 70 - 130 |
| Benzene | 50.0 | 49.6 | 99 | 70 - 130 |
| Trichloroethene | 50.0 | 48.7 | 97 | 70 - 130 |
| Toluene | 50.0 | 49.9 | 100 | 70 - 130 |
| Chlorobenzene | 50.0 | 49.2 | 98 | 70 - 130 |

Sample ID: LCS BS 102

| Analyte | LCS Spike Added µg/Kg | LCS Conc. µg/Kg | % Recovery | QC Limits % Recovery |
|---|---|---|---|---|
| 1,1-Dichloroethene | 50.0 | 48.5 | 97 | 70 - 130 |
| Benzene | 50.0 | 46.5 | 93 | 70 - 130 |
| Trichloroethene | 50.0 | 46.2 | 92 | 70 - 130 |
| Toluene | 50.0 | 46.5 | 93 | 70 - 130 |
| Chlorobenzene | 50.0 | 46.8 | 94 | 70 - 130 |

Sample ID: LCS BS 103

| Analyte | LCS Spike Added µg/Kg | LCS Conc. µg/Kg | % Recovery | QC Limits % Recovery |
|---|---|---|---|---|
| 1,1-Dichloroethene | 50.0 | 47.0 | 94 | 70 - 130 |
| Benzene | 50.0 | 54.4 | 109 | 70 - 130 |
| Trichloroethene | 50.0 | 51.1 | 102 | 70 - 130 |
| Toluene | 50.0 | 51.0 | 102 | 70 - 130 |
| Chlorobenzene | 50.0 | 49.8 | 100 | 70 - 130 |

020B

0254-DAR-080807

ECP 04-032

**CHAIN OF CUSTODY RECORD**

Site #: 01-254
Contact Name: tim macaluso
Contact Phone: 732-785-2913

**No: 01-254-07/09/07-0001**

Lab: REAC
Lab Phone: 732-321-4200

| Lab # | Sample # | Location | Analyses | Matrix | Collected | Numb Cont | Container | Preservative | MS/MSD |
|---|---|---|---|---|---|---|---|---|---|
| 14447 | 01-254-0001 | E-14 15' | VOCs | Soil | 7/9/2007 | 1 | 25 gram encore | 0 C | N |
| ↓ | 01-254-0001 | E-14 15' | Moisture Content | Soil | 7/9/2007 | 1 | 2 oz glass jar | 0 C | N |
| 14448 | 01-254-0002 | E-14 ~~40~~ DUP 20' | VOCs | Soil | 7/9/2007 | 1 | 25 gram encore | 0 C | N |
| ↓ | 01-254-0002 | E-14 20' | Moisture Content | Soil | 7/9/2007 | 1 | 2 oz glass jar | 0 C | N |
| 14449 | 01-254-0003 | A-11 15' | VOCs | Soil | 7/9/2007 | 1 | 25 gram encore | 0 C | N |
| ↓ | 01-254-0003 | A-11 15' | Moisture Content | Soil | 7/9/2007 | 1 | 2 oz glass jar | 0 C | N |
| 14450 | 01-254-0004 | A-11 40' | VOCs | Soil | 7/9/2007 | 1 | 25 gram encore | 0 C | N |
| ↓ | 01-254-0004 | A-11 40' | Moisture Content | Soil | 7/9/2007 | 1 | 2 oz glass jar | 0 C | N |
| 14451 | 01-254-0005 | A-10 14' | VOCs | Soil | 7/9/2007 | 1 | 25 gram encore | 0 C | N |
| ↓ | 01-254-0005 | A-10 14' | Moisture Content | Soil | 7/9/2007 | 1 | 2 oz glass jar | 0 C | N |
| 14452 | 01-254-0006 | A-10 14' DUP | VOCs | Soil | 7/9/2007 | 1 | 25 gram encore | 0 C | N |
| 14453 | 01-254-0007 | A-10 40' | VOCs | Soil | 7/9/2007 | 2 | 25 gram encore | 0 C | Y |
| ↓ | 01-254-0007 | A-10 40' | Moisture Content | Soil | 7/9/2007 | 1 | 2 oz glass jar | 0 C | N |

021

Special Instructions:

Received 2°C JM 7/10/07

**SAMPLES TRANSFERRED FROM**
**CHAIN OF CUSTODY #**

| Items/Reason | Relinquished by | Date | Received by | Date | Time | Items/Reason | Relinquished By | Date | Received by | Date | Time |
|---|---|---|---|---|---|---|---|---|---|---|---|
| All/Anal. | [illegible] | 7/9/07 | [illegible] | 7/10/07 | 9:20 | All/Analysis | [illegible] | 7/10/07 | [illegible] | 7/10/07 | 9:45am |
| all/Storage | [illegible] | 7/9/07 | [illegible] | 7/19/07 | 16:00 | | | | | | |

302230

0254-DAR-080807

EC-P-04-032

# CHAIN OF CUSTODY RECORD

Site #: 01-254
Contact Name: tim macaluso
Contact Phone: 732-785-2913

No: 01-254-07/11/07-0002

Lab: REAC
Lab Phone: 732-321-4200

| Lab # | Sample # | Location | Sub Location | Analyses | Matrix | Collected | Numb Cont | Container | Preservative | MS/MSD |
|---|---|---|---|---|---|---|---|---|---|---|
| 14454 | 01-254-0008 | D-19 | 15' | VOCs | Soil | 7/11/2007 | 1 | 25 gram encore | 0 C | N |
| ↓ | 01-254-0008 | D-19 | 15' | Moisture Content | Soil | 7/11/2007 | 1 | 2 oz glass jar | 0 C | N |
| 14455 | 01-254-0009 | D-19 | 15' DUP | VOCs | Soil | 7/11/2007 | 1 | 25 gram encore | 0 C | N |
| 14456 | 01-254-0010 | D-19 | 32' | VOCs | Soil | 7/11/2007 | 2 | 25 gram encore | 0 C | Y |
| ↓ | 01-254-0010 | D-19 | 32' | Moisture Content | Soil | 7/11/2007 | 1 | 2 oz glass jar | 0 C | N |
| 14457 | 01-254-0011 | F-20 | 15' | VOCs | Soil | 7/11/2007 | 1 | 25 gram encore | 0 C | N |
| ↓ | 01-254-0011 | F-20 | 15' | Moisture Content | Soil | 7/11/2007 | 1 | 2 oz glass jar | 0 C | N |
| 14458 | 01-254-0012 | F-20 | 32' | VOCs | Soil | 7/11/2007 | 1 | 25 gram encore | 0 C | N |
| ↓ | 01-254-0012 | F-20 | 32' | Moisture Content | Soil | 7/11/2007 | 1 | 2 oz glass jar | 0 C | N |
| 14459 | 01-254-0013 | C-20 | 15' | VOCs | Soil | 7/11/2007 | 1 | 25 gram encore | 0 C | N |
| ↓ | 01-254-0013 | C-20 | 15' | Moisture Content | Soil | 7/11/2007 | 1 | 2 oz glass jar | 0 C | N |
| 14460 | 01-254-0014 | C-20 | 33' | VOCs | Soil | 7/11/2007 | 1 | 25 gram encore | 0 C | N |
| ↓ | 01-254-0014 | C-20 | 33' | Moisture Content | Soil | 7/11/2007 | 1 | 2 oz glass jar | 0 C | N |
| 14461 | 01-254-0015 | B-15 | 15' | VOCs | Soil | 7/11/2007 | 1 | 25 gram encore | 0 C | N |
| ↓ | 01-254-0015 | B-15 | 15' | Moisture Content | Soil | 7/11/2007 | 1 | 2 oz glass jar | 0 C | N |
| 14462 | 01-254-0016 | B-15 | 32' | VOCs | Soil | 7/11/2007 | 1 | 25 gram encore | 0 C | N |
| ↓ | 01-254-0016 | B-15 | 32' | Moisture Content | Soil | 7/11/2007 | 1 | 2 oz glass jar | 0 C | N |

Special Instructions:

Received 2°C JM 7/11/07

SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY #

| Items/Reason | Relinquished by | Date | Received by | Date | Time | Items/Reason | Relinquished By | Date | Received by | Date | Time |
|---|---|---|---|---|---|---|---|---|---|---|---|
| All/Analysis | [signature] | 7/11/07 | [signature] | 7/11/07 | 16:10 | All/Analysis | [signature] | 7/11/07 | [signature] | 7/11/07 | 16:23 |
| All/Storage | [signature] | 7/11/07 | [signature] | 7/11/07 | 16:00 | | | | | | |
| | | | | | | | | | | | |
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022

302231

0254-DAR-080807

EP-C-04-032

**CHAIN OF CUSTODY RECORD**

Site #: 01-254
Contact Name: tim macaluso
Contact Phone: 732-785-2913

**No: 01-254-07/12/07-0003**

Lab: REAC
Lab Phone: 732-321-4200

| Lab # | Sample # | Location | Sub Location | Analyses | Matrix | Collected | Numb Cont | Container | Preservative | Sample Time | MS/MSD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 14463 | 01-254-0017 | H-01 | 15' | VOCs | Soil | 7/12/2007 | 1 | 25 gram encore | 0 C | 08:00 | N |
| ↓ | 01-254-0017 | H-01 | 15' | Moisture Content | Soil | 7/12/2007 | 1 | 2 oz glass jar | 0 C | 08:00 | N |
| 14464 | 01-254-0018 | H-01 | 15' DUP | VOCs | Soil | 7/12/2007 | 1 | 25 gram encore | 0 C | 08:00 | N |
| 14465 | 01-254-0019 | H-01 | 25' | VOCs | Soil | 7/12/2007 | 1 | 25 gram encore | 0 C | 08:15 | N |
| ↓ | 01-254-0019 | H-01 | 25' | Moisture Content | Soil | 7/12/2007 | 1 | 2 oz glass jar | 0 C | 08:15 | N |
| 14466 | 01-254-0020 | D-17 | 15' | VOCs | Soil | 7/12/2007 | 2 | 25 gram encore | 0 C | 09:20 | Y |
| ↓ | 01-254-0020 | D-17 | 15' | Moisture Content | Soil | 7/12/2007 | 1 | 2 oz glass jar | 0 C | 09:20 | N |
| 14467 | 01-254-0021 | D-17 | 32' | VOCs | Soil | 7/12/2007 | 1 | 25 gram encore | 0 C | 09:45 | N |
| ↓ | 01-254-0021 | D-17 | 32' | Moisture Content | Soil | 7/12/2007 | 1 | 2 oz glass jar | 0 C | 09:45 | N |
| 14468 | 01-254-0022 | K-0 | 15' | VOCs | Soil | 7/12/2007 | 1 | 25 gram encore | 0 C | 11:05 | N |
| ↓ | 01-254-0022 | K-0 | 15' | Moisture Content | Soil | 7/12/2007 | 1 | 2 oz glass jar | 0 C | 11:05 | N |
| 14469 | 01-254-0023 | K-0 | 15' DUP | VOCs | Soil | 7/12/2007 | 1 | 25 gram encore | 0 C | 11:05 | N |
| 14470 | 01-254-0024 | K-0 | 35' | VOCs | Soil | 7/12/2007 | 2 | 25 gram encore | 0 C | 11:45 | Y |
| ↓ | 01-254-0024 | K-0 | 35' | Moisture Content | Soil | 7/12/2007 | 1 | 2 oz glass jar | 0 C | 11:45 | N |
| 14471 | 01-254-0025 | K-0 | 17' | VOCs | Soil | 7/12/2007 | 1 | 25 gram encore | 0 C | 11:30 | N |
| ↓ | 01-254-0025 | K-0 | 17' | Moisture Content | Soil | 7/12/2007 | 1 | 2 oz glass jar | 0 C | 11:30 | N |

Special Instructions:

Received 2°C JM 7/12/07

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

| Items/Reason | Relinquished by | Date | Received by | Date | Time | Items/Reason | Relinquished By | Date | Received by | Date | Time |
|---|---|---|---|---|---|---|---|---|---|---|---|
| All/Field | [signature] | 7/12/07 | Jimmy Martin | 7/12/07 | 13:45 | All/Analysis | Jimmy Martin | 7/12/07 | [signature] | 7/12/07 | 14:30 |
| All/Storage | [signature] | 7/19/07 | Jimmy Martin | 7/19/07 | 16:00 | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |

023

302232

0254-DAR-080807

D.C-04-032

**CHAIN OF CUSTODY RECORD**

Site #: 01-254

Contact Name: tim macaluso

Contact Phone: 732-785-2913

**No: 01-254-07/12/07-0004**

Lab: REAC

Lab Phone: 732-321-4200

| Lab # | Sample # | Location | Sub Location | Analyses | Matrix | Collected | Numb Cont | Container | Preservative | Sample Time | MS/MSD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 14475 | 01-254-0026 | A-0 | 15' | VOCs | Soil | 7/12/2007 | 1 | 25 gram encore | 0 C | 13:45 | N |
| ↓ | 01-254-0026 | A-0 | 15' | Moisture Content | Soil | 7/12/2007 | 1 | 2 oz glass jar | 0 C | 13:45 | N |
| 14476 | 01-254-0027 | A-0 | 17' | VOCs | Soil | 7/12/2007 | 1 | 25 gram encore | 0 C | 14:00 | N |
| ↓ | 01-254-0027 | A-0 | 17' | Moisture Content | Soil | 7/12/2007 | 1 | 2 oz glass jar | 0 C | 14:00 | N |
| 14477 | 01-254-0028 | A-0 | 39' | VOCs | Soil | 7/12/2007 | 1 | 25 gram encore | 0 C | 14:30 | N |
| ↓ | 01-254-0028 | A-0 | 39' | Moisture Content | Soil | 7/12/2007 | 1 | 2 oz glass jar | 0 C | 14:30 | N |
| 14478 | 01-254-0029 | A-9 | 15' | VOCs | Soil | 7/12/2007 | 1 | 25 gram encore | 0 C | 15:45 | N |
| ↓ | 01-254-0029 | A-9 | 15' | Moisture Content | Soil | 7/12/2007 | 1 | 2 oz glass jar | 0 C | 15:45 | N |
| 14479 | 01-254-0030 | A-9 | 37' | VOCs | Soil | 7/12/2007 | 1 | 25 gram encore | 0 C | 16:15 | N |
| ↓ | 01-254-0030 | A-9 | 37' | Moisture Content | Soil | 7/12/2007 | 1 | 2 oz glass jar | 0 C | 16:15 | N |

024

Special Instructions:

Received 0°C 7/13/07

**SAMPLES TRANSFERRED FROM**

**CHAIN OF CUSTODY #**

| Items/Reason | Relinquished by | Date | Received by | Date | Time | Items/Reason | Relinquished By | Date | Received by | Date | Time |
|---|---|---|---|---|---|---|---|---|---|---|---|
| All/Anal | [signature] | 7/12/07 | Tommy Marcin | 7/13/07 | 10:30 | All/Analysis | Tommy Marcin | 7/13/07 | [signature] | 7/13/07 | 10:45 |
| All/Storage | [signature] | 7/19/07 | Tommy Marcin | 7/19/07 | 16:00 | | | | | | |

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