SDMS Document
111846

ANALYTICAL REPORT

Prepared by
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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

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0254-DAR-080807

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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 1607

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-6 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~~ BP 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						

302185

8254-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

022

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	1623
All/Storage	[signature]	7/11/07	[signature]	7/11/07	16:00						

302186

254-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/Prep	[signature]	7/12/07	Jimmy Martin	7/12/07	13:45	All/Analysis	Jimmy Martin	7/12/07	[signature]	7/12/07	14:20
All/Storage	[signature]	7/19/07	Jimmy Martin	7/19/07	16:00						

023

302187

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:

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Received 0°C JM 7/13/07

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
All/good	[signature]	7/12/07	[signature]	7/13/07	10:30	All/Analysis	[signature]	7/13/07	[signature]	7/13/07	10:45
All/Strange	[signature]	7/19/07	[signature]	7/19/07	16:00						

302188

0254-DAR-080807

EP-C-04-032

CHAIN OF CUSTODY RECORD

Site #: 01-254
Contact Name: T Macalus
Contact Phone: 732 321 4263

No: 01-254-07/19/07-0005

Lab: REAC
Lab Phone: 732-321-4200

Lab #	Sample #	Location	Sub Location	Analyses	Matrix	Collected	Numb Cont	Container	Preservative	Sample Time	MS/MSD
14483	01-254-0031	A-16	15'	VOCs	Soil	7/19/2007	1	25 gram encore	0 C	08:30	N
↓	01-254-0031	A-16	15'	Moisture Content	Soil	7/19/2007	1	2 oz glass jar	0 C	08:30	N
14484	01-254-0032	A-16	15' DUP	VOCs	Soil	7/19/2007	1	25 gram encore	0 C	08:30	N
14485	01-254-0033	A-16	36	VOCs	Soil	7/19/2007	2 ~~1~~	25 gram encore	0 C	08:30	Y
↓	01-254-0033	A-16	36	Moisture Content	Soil	7/19/2007	1	2 oz glass jar	0 C	08:30	N
14486	01-254-0034	A-13	15'	VOCs	Soil	7/19/2007	1	25 gram encore	0 C	08:30	N
↓	01-254-0034	A-13	15'	Moisture Content	Soil	7/19/2007	1	2 oz glass jar	0 C	08:30	N
14487	01-254-0035	A-13	38	VOCs	Soil	7/19/2007	1	25 gram encore	0 C	08:30	N
↓	01-254-0035	A-13	38	Moisture Content	Soil	7/19/2007	1	2 oz glass jar	0 C	08:30	N
14488	01-254-0036	A-2	15'	VOCs	Soil	7/19/2007	1	25 gram encore	0 C	08:30	N
↓	01-254-0036	A-2	15'	Moisture Content	Soil	7/19/2007	1	2 oz glass jar	0 C	08:30	N
14489	01-254-0037	A-2	27	VOCs	Soil	7/19/2007	1	25 gram encore	0 C	08:30	N
↓	01-254-0037	A-2	27	Moisture Content	Soil	7/19/2007	1	2 oz glass jar	0 C	08:30	N
14490	01-254-0038	A-2	37	VOCs	Soil	7/19/2007	1	25 gram encore	0 C	08:30	N
↓	01-254-0038	A-2	37	Moisture Content	Soil	7/19/2007	1	2 oz glass jar	0 C	08:30	N
14491	01-254-0039	A-7	15'	VOCs	Soil	7/19/2007	1	25 gram encore	0 C	08:30	N
↓	01-254-0039	A-7	15'	Moisture Content	Soil	7/19/2007	1	2 oz glass jar	0 C	08:30	N
14492	01-254-0040	A-7	34	VOCs	Soil	7/19/2007	1	25 gram encore	0 C	08:30	N
↓	01-254-0040	A-7	34	Moisture Content	Soil	7/19/2007	1	2 oz glass jar	0 C	08:30	N

Special Instructions: sample A-2 at 27' had PID reading of 1.2 ppm

Received 4°C JM 7/20/07

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	[illegible]	7/19/07	[illegible]	7/20/07	8:10	All/Analysis	[illegible]	7/20/07	[illegible]	7/20/07	8:45

0254-DAR-080807

EP-C-04-032

CHAIN OF CUSTODY RECORD

Site #: 01-254
Contact Name: T Macaluso
Contact Phone: 732 785-2913

No: 01-254-07/24/07-0006

Lab: REAC
Lab Phone: 732-321-4200

Lab #	Sample #	Location	Sub Location	Analyses	Matrix	Collected	Numb Cont	Container	Preservative	Sample Time	MS/MSD
14521	01-254-0041	A-1	15'	VOCs	Soil	7/24/2007	1	25 gram encore	0 C	08:30	N
↓	01-254-0041	A-1	15'	Moisture Content	Soil	7/24/2007	1	2 oz glass jar	0 C	08:30	N
14522	01-254-0042	A-1	15' DUP	VOCs	Soil	7/24/2007	1	25 gram encore	0 C	08:30	N
14523	01-254-0043	A-1	38	VOCs	Soil	7/24/2007	2	25 gram encore	0 C	08:30	Y
↓	01-254-0043	A-1	38	% Solids	Soil	7/24/2007	1	2 oz glass jar	0 C	08:30	N
14524	01-254-0044	A-3	15'	VOCs	Soil	7/24/2007	1	25 gram encore	0 C	08:30	N
↓	01-254-0044	A-3	15'	% Solids	Soil	7/24/2007	1	2 oz glass jar	0 C	08:30	N
14525	01-254-0045	A-3	34	VOCs	Soil	7/24/2007	1	25 gram encore	0 C	08:30	N
↓	01-254-0045	A-3	34	% Solids	Soil	7/24/2007	1	2 oz glass jar	0 C	08:30	N
14526	01-254-0046	A-6	15'	VOCs	Soil	7/24/2007	1	25 gram encore	0 C	08:30	N
↓	01-254-0046	A-6	15'	% Solids	Soil	7/24/2007	1	2 oz glass jar	0 C	08:30	N
14527	01-254-0047	A-6	34	VOCs	Soil	7/24/2007	1	25 gram encore	0 C	08:30	N
↓	01-254-0047	A-6	34	% Solids	Soil	7/24/2007	1	2 oz glass jar	0 C	08:30	N

026

Special Instructions:

Received 0°C JM 7/24/07

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	[illegible]	7/24/07	[illegible]	7/24/07	14:30	All/Analysis	[illegible]	7/24/07	[illegible]	7/24/07	2:45

302190

RI Soil Gas Points for Soil Samples
Roosevelt Field Site

Point	Longitude	Latitude
A0	-73.616900	40.742746
A1	-73.616997	40.742476
A10	-73.617598	40.740051
A11	-73.617663	40.739751
A13	-73.617781	40.739208
A16	-73.617976	40.738381
A2	-73.617100	40.742198
A3	-73.617159	40.741919
A6	-73.617375	40.741125
A7	-73.617452	40.740846
A9	-73.617536	40.740288
B15	-73.617547	40.738655
C20	-73.617538	40.737264
D17	-73.617067	40.738042
D19	-73.617082	40.737522
E14	-73.616479	40.738850
F20	-73.616459	40.737238
H-1	-73.614673	40.742394
K0	-73.613673	40.742183

C:\IMS\GIS\Roosevelt Field\ArcMap_projects\soil_gas_side_slab.mxd

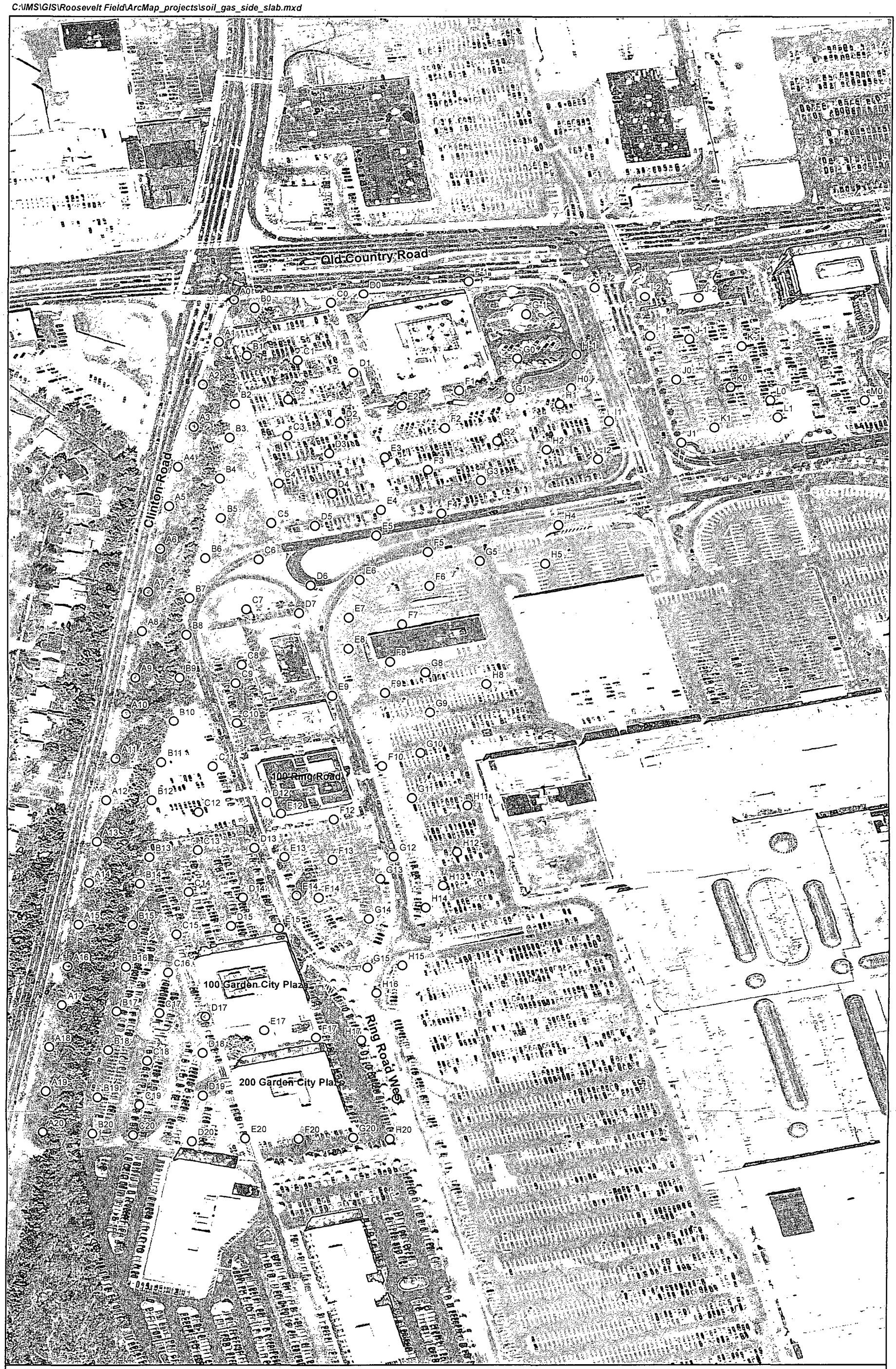

Figure 2-2a
Soil Gas Screening Locations
Old Roosevelt Field Contaminated Groundwater Site
Garden City, New York

CDM

302192

Old Roosevelt Field Contaminated Groundwater Site
Garden City, New York

Summary of Soil Gas Screening Survey and Soil Gas Summa Canister Results
Soil gas screening samples were collected on an approximate 100-foot grid, with transects A through M oriented approximately north-south, parallel to Clinton Road. Sample grid nodes were numbered numerically, starting with zero (0) at the northern end of each transect and up to 20 at the southern end. The soil gas screening survey was conducted in an upside down "L" shape (along Clinton Road and Old Country Road) to coincide with the locations of airfield buildings as shown in aerial photos from the 1940s.

Soil gas screening samples were collected at two depths: 15 and 35 feet below ground surface (bgs) (Figures 4-5 and 4-6 in the RI report) and measured with a ppbRae instrument. The results represent total VOCs. In addition, 34 soil gas samples were collected in Summa canisters for off-site laboratory analysis. Summa canister samples were collected at 15 feet bgs. Thirty summa canister samples were collected around the outside perimeter of three buildings (100 and 200 Garden City Plaza and 100 Ring Road). Four summa canister samples (in three locations) were collected in Hazelhurst Park, the grassy strip along Clinton Road. It should be noted that the detection limit (approximately 5.3 to 5.7 micrograms per cubic meter (ug/m3) for the summa canister samples for TCE was higher than the screening criterion of 2.2 ug/m3. However, the laboratory reported positive detections of TCE as low as 1.5 J ug/m3 (the "J" qualifier was added during data validation to indicate the result is estimated). Table 4-8 in the RI report provides all the detected compounds in the summa canister samples.

The following 12 locations had <u>soil gas screening</u> results greater than 100 parts per billion per volume (ppbv).

- Location A0 - This location is at the corner of Old Country Road and Clinton Road. The total VOC reading was 106 ppbv at 15 feet bgs.
- Location A9 - This location borders Clinton Road in Hazelhurst Park. The total VOC reading was 245 ppbv at 35 feet bgs. Canister sample SGHP3 was collected near this location.
- Location A10 - This location borders Clinton Road in Hazelhurst Park. The total VOC reading was 233 ppbv at 35 feet bgs. Canister sample SGHP3 was collected near this location.
- Location A11 - This location borders Clinton Road in Hazelhurst Park. The total VOC reading was 136 ppbv at 15 feet bgs and 148 ppbv at 35 feet bgs. Canister samples SGHP2 and SGHP4 were collected near this location.
- Location B15 - This location is west of the northwest corner of Garden City Plaza Building 100. The total VOC reading was 368 ppbv.
- Location C20 - This location is one of the southern-most samples. The total VOC reading was 112 ppbv.
- Location D17 - This location is just west of Garden City Plaza Building 100. The total VOC reading was 531 ppbv at 15 feet bgs and 494 ppbv at 35 feet bgs. Canister sample SGRF30 was collected near this location.

- Location D19 - This location is west of Garden City Plaza Building 200. The total VOC reading was 534 ppbv at 15 feet bgs.
- Location E14 - This location is north of the northeast corner of Garden City Plaza Building 100. The total VOC reading was 211 ppbv.
- Location F20 - This location is south of Garden City Plaza Building 200. The total VOC reading was 163 ppbv. Canister sample SGRF32 was collected near this location.
- Location H1 - This location is southeast of the Citibank building, near the entrance road to the mall. The total VOC reading was 152 ppbv.
- Location K0 - This location is on the eastern side of the mall entrance road. The total VOC reading was 185 ppbv.

Six summa canisters had TCE results that exceeded the screening criterion of 2.2 ug/m3, as shown on Figure 4-7 in the RI report. Four of these exceedances were in Hazelhurst Park (at 3 locations).

Soil Sample Collection Strategy

CDM suggests the following strategy for collection of soil samples at or near each of the soil gas screening survey locations greater than 100 ppbv:

- Collect soil samples with a geoprobe to approximately 35 to 40 feet bgs (groundwater is generally about 40 feet bgs)
- Collect two soil samples per boring at 15 feet bgs and at the terminal depth.
- Collect additional soil samples if evidence of VOCs is observed in the soil boring cores (e.g., high VOC readings on a PID or FID detector, or visual contamination such as dark layers or viscous material)
- Collect soil samples from the 12 soil gas locations > 100 ppbv (see list above)
- Collect additional soil samples in Hazelhurst Park to resolve soil gas/vapor intrusion issues for the residences on the west side of Clinton Road. Borings at soil gas locations A1, A2, A3, A6, A7, A13, and A16
- Analyze samples for volatile organic compounds (VOAs) only
- Patch asphalt in paved areas

Soil Sample Summary

- 12 borings at soil gas locations > 100 ppbv x 2 samples each = 24 environmental samples, 1 duplicate QC sample (5% rate)
- 7 borings in Hazelhurst Park (soil gas locations A1, A2, A3, A6, A7, A13, and A16) x 2 samples each = 14 environmental samples, 1 duplicate QC sample.
- Contingency samples of observed contamination - assume 10 samples
- Sample summary: 19 borings; 40 samples (including QC)