

03.12-05/01/95-01525

~~Final~~ Final

**Remedial Investigation Report
Operable Unit No. 4
(Sites 41 and 74)**

**Marine Corps Base
Camp Lejeune, North Carolina**

**Appendices L through O
Volume 2 of 3**



Prepared For:

**Department of the Navy
Atlantic Division
Naval Facilities
Engineering Command
Norfolk, Virginia**

Under the

LANTDIV CLEAN Program

**Comprehensive Long-Term
Environmental Action Navy**

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LIST OF ACRONYMS AND ABBREVIATIONS

AOC	Area of concern
AQUIRE	Aquatic Information Retrieval Database
ARARs	Applicable or Relevant and Appropriate Requirements
ASTM	American Society for Testing and Materials
AT	averaging time
ATV	all terrain vehicle
AWQC	Federal Ambient Water Quality Criteria
Baker	Baker Environmental, Inc.
BCF	bioconcentration factor
bgs	below ground surface
BI	biotoxic index
BOD	biological oxygen demand
BRA	baseline risk assessment
CaCO ₃	calcium carbonate
CAMA	Coastal Area Management Act
CDI	chronic daily intake
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CH	high plasticity clay
CL	low plasticity clay
CLEAN	Comprehensive Long-Term Environmental Action Navy
CLP	Contract Laboratory Program
CN	chloroacetophene
COE	Corps of Engineers
COPC	contaminant of potential concern
COD	chemical oxygen demand
CRAVE	Carcinogen Risk Assessment Verification Endeavor
CRQL	Contract Required Quantitation Limit
CSA	Chemical Storage Area
CSF	Cancer Slope Factor
CSM	chemical surety material
DON	Department of the Navy
DQOs	data quality objectives
1,2-DCE	1,2-dichloroethene
DEM	Division of Environmental Management
DDE	dichlorodiphenyldichloroethylene
DDT	diphenyltrichloroethane
DS	downslope
ECD	electron capture detector
ED	exposure duration
EF	exposure frequency
Eh	oxidation reduction potential
EM	electromagnetic

EMD	Environmental Management Department
EPIC	Environmental Photographic Interpretation Center
ERA	ecological risk assessment
ER-L	Effects Range - Low
ER-M	Effects Range-Median
ESE	Environmental Science and Engineering, Inc.
ETC	electromagnetic terrain conductivity
FAWQC	Federal Ambient Water Quality Criteria
FDA	Former Disposal Area
FFA	Federal Facilities Agreement
FID	flame ionization detector
FPA	Former Pesticide Control Area
FSAP	Field Sampling and Analysis Plan
FWS	Fish and Wildlife Service
FWQSV	Freshwater Water Quality Screening Values
gpd/ft	gallons per day per foot
gpm	gallons per minute
GP	GP Environmental Services
GPR	ground penetrating radar
GW	groundwater well
H'	Diversity Index
HA	health advisory
HEAST	Health Effects Assessment Summary Tables
HHAG	Human Health Assessment Group
HHI	Hardin and Huber, Inc.
HHRA	Human Health Risk Assessment
HI	hazard index
Hoggard-Eure	Hoggard-Eure Associates
HCl	hydrochloric acid
HNO ₃	nitric acid
HQ	hazard quotient
HQW	high quality water
HTH	high-test hypochlorite
i	hydraulic gradient
IAS	Initial Assessment Study
ICR	incremental cancer risk
ID	inside diameter
IDW	investigative derived wastes
IR	ingestion rate
IRA	interim remedial action
IRIS	Integrated Risk Information System
IRP	Installation Restoration Program
K	hydraulic conductivity
K _d	soil sorption coefficient
K _{oc}	organic carbon partition coefficient
K _{ow}	octanol-water partition coefficient

LANTDIV	Naval Facilities Engineering Command, Atlantic Division
LANTNAVFACENCOM	Naval Facilities Engineering Command, Atlantic Division
LEL	lower explosive limit
LOAEL	lowest observed adverse effect level
MBI	Macroinvertebrate Biotic Index
MCAS	Marine Corps Air Station
MCB	Marine Corps Base
MCL	maximum contaminant level
MEK	methylethyl ketone
MIBK	methyl isobutyl ketone
mg/kg	milligram per kilogram
mg/L	milligram per liter
MF	modifying factor
MH	plastic silt
MI	mobility index
ml	milliliter
ML	low plasticity silt
mL/g	milliliters per gram
mmhos/m	millimhos/meter
msl	mean sea level
MW	monitoring well
NACIP	Navy Assessment and Control of Installation Pollutants Program
NC DEHNR	North Carolina Department of Environment, Health and Natural Resources
NCMFC	North Carolina Marine Fisheries Commission
NCSPCS	North Carolina State Plane Coordinate System
NCWP	Near Coastal Waters Program
NCWQS	North Carolina Water Quality Standards
NCWRC	North Carolina Wildlife Resources Commission
N _e	effective porosity
NEESA	Naval Energy and Environmental Support Activity
NEP	National Estuary Program
NOAA	National Oceanic and Atmospheric Administration
NOAEL or NOEL	No observed adverse effect level
NPL	National Priorities List
NPS	National Park Service
NSW	nutrient sensitive waters
NWI	national wetlands inventory
OD	outside diameter
OS	on-site
OU	Operable Unit
PAH	polynuclear aromatic hydrocarbon
PA/SI	preliminary assessments/site investigations
PC	permeability constant
PCBs	polychlorinated biphenyls
PCE	tetrachloroethene
PDA	Potential Disposal Area

PEF	particulate emissions factor
PHA	public health assessment
PID	photoionization detector
POL	petroleum, oil, lubricants
ppb	parts per billion
ppm	parts per million
psi	pounds per square inch
PVC	polyvinyl chloride
QA/QC	quality assurance/quality control
QI	quotient index
RA	risk assessment
RBC	risk based concentrations
RCRA	Resource Conservation and Recovery Act
RfD	reference dose
RI/FS	remedial investigation/feasibility study
ROD	record of decision
S, S	storativity, water solubility
SA	site assessment or surface area
SARA	Superfund Amendments and Reauthorization Act
Sj	Jaccard Coefficient
Ss	Sorenson Index
SB	soil boring
SCS	Soil Conservation Service
SD	sediment
SMCL	Secondary Drinking Water Regulations
SQC	sediment quality criteria
SOPs	standard operating procedures
SSV	sediment screening value
STP	sewage treatment plant
SVOCs	semivolatile organic compounds
SW	surface water
SWQSVs	surface water quality screening values
T	transmissivity
TAL	target analyte list
TBC	to be considered
TCE	trichloroethene
TCL	target compound list
TCLP	toxicity characteristic leaching procedure
TDS	total dissolved solids
TEF	toxicity equivalency factor
TEU	Technical Escort Unit
TICs	tentatively identified compounds
TOC	total organic carbon or top of casing
trans-1,2-DCE	trans-1,2-dichloroethene
TRC	Technical Review Committee

TRVs	terrestrial reference values
TSS	total suspended solids
TVS	total volatile solids
UCL	upper confidence limit
UF	uncertainty factor
$\mu\text{g/g}$	micrograms per gram
$\mu\text{g/L}$	micrograms per liter
USAEC	United States Army Environmental Center
USATHAMA	United States Army Toxic and Hazardous Materials Agency
USDA	United States Department of Agriculture
USDI	United States Department of the Interior
USEPA	United States Environmental Protection Agency
USCS	Unified Soil Classification System
USGS	United States Geological Survey
USMC	United States Marine Corps
UST	underground storage tank
VOCs	volatile organic compounds
VP	vapor pressure
V_x	average seepage velocity
WAR	Water and Air Research, Inc.
Weston	Weston Geophysical Corporation
WOE	weight of evidence
WQS	water quality standards
WQSV	water quality screening values
WS	Wilderness Society

APPENDIX L
QA/QC SUMMARY

DATA AND FREQUENCY SUMMARY
 OPERABLE UNIT NO. 4 (SITES 41,69, AND 74)
 QUALITY ASSURANCE / QUALITY CONTROL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-TB-01	41-TB-02	41-TB-03	41-TB-04	41-TB-05	41-TB-06
Laboratory Sample ID:	9402021-05	9402043-16	9402055-04	9402067-03	9402063-04	9402071-07
Date Sampled:	02/01/94	02/02/94	02/03/94	02/04/94	02/04/94	02/05/94

	UNITS						
SEMIVOLATILES							
1,2-Dichlorobenzene	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
1,2,4-Trichlorobenzene	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
1,3-Dichlorobenzene	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
1,4-Dichlorobenzene	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
2-Chloronaphthalene	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
2-Chlorophenol	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
2-Methylnaphthalene	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
2-Methylphenol	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
2-Nitroaniline	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
2-Nitrophenol	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
2,2'-oxybis-(1-chloropropane)	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
2,4-Dichlorophenol	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
2,4-Dimethylphenol	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
2,4-Dinitrophenol	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
2,4-Dinitrotoluene	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
2,4,5-Trichlorophenol	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
2,4,6-Trichlorophenol	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
2,6-Dinitrotoluene	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
3-Nitroaniline	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
3,3'-Dichlorobenzidine	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
4-Bromophenyl-phenylether	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
4-Chloro-3-methylphenol	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
4-Chloroaniline	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
4-Chlorophenyl phenyl ether	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
4-Methylphenol	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
4-Nitroaniline	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
4-Nitrophenol	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
4,6-Dinitro-2-methylphenol	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
Acenaphthene	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
Acenaphthylene	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
Anthracene	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
Benzo[a]anthracene	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
Benzo[a]pyrene	UG/L	N/A	N/A	N/A	N/A	N/A	N/A

DATA AND FREQUENCY SUMMARY
 OPERABLE UNIT NO. 4 (SITES 41,69, AND 74)
 QUALITY ASSURANCE / QUALITY CONTROL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-TB-01	41-TB-02	41-TB-03	41-TB-04	41-TB-05	41-TB-06
Laboratory Sample ID:	9402021-05	9402043-16	9402055-04	9402067-03	9402063-04	9402071-07
Date Sampled:	02/01/94	02/02/94	02/03/94	02/04/94	02/04/94	02/05/94

UNITS

SEMIVOLATILES Cont.

	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
Benzo[b]fluoranthene	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
Benzo[g,h,i]perylene	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
Benzo[k]fluoranthene	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
bis(2-Chloroethoxy) methane	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
bis(2-Chloroethyl) ether	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
bis(2-Ethylhexyl)phthalate	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
Butyl benzyl phthalate	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
Carbazole	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
Chrysene	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
Dibenzofuran	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
Dibenz[a,h]anthracene	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
Diethylphthalate	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
Dimethyl phthalate	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
di-n-Butylphthalate	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
di-n-Octylphthalate	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
Fluoranthene	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
Fluorene	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
Hexachlorobenzene	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
Hexachlorobutadiene	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
Hexachlorocyclopentadiene	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
Hexachloroethane	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
Indeno[1,2,3-cd]pyrene	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
Isophorone	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
Naphthalene	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
Nitrobenzene	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
N-Nitroso-di-n-propylamine	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
N-nitrosodiphenylamine	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
Pentachlorophenol	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
Phenanthrene	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
Phenol	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
Pyrene	UG/L	N/A	N/A	N/A	N/A	N/A	N/A

DATA AND FREQUENCY SUMMARY
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 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-TB-01	41-TB-02	41-TB-03	41-TB-04	41-TB-05	41-TB-06
Laboratory Sample ID:	9402021-05	9402043-16	9402055-04	9402067-03	9402063-04	9402071-07
Date Sampled:	02/01/94	02/02/94	02/03/94	02/04/94	02/04/94	02/05/94
	UNITS					
<u>VOLATILES</u>						
Chloromethane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Bromomethane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Vinyl chloride	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Chloroethane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Methylene chloride	UG/L	4.00 J	4.00 J	10.00 U	4.00 J	10.00 U
Acetone	UG/L	10.00 U	10.00 U	12.0 UJ	10.00 UJ	10.00 UJ
Carbon Disulfide	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
1,1-Dichloroethene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
1,1-Dichloroethane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
1,2-Dichloroethene(total)	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Chloroform	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
1,2-Dichloroethane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
2-Butanone	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
1,1,1-Trichloroethane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Carbon tetrachloride	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Bromodichloromethane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
1,2-Dichloropropane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
cis-1,3-Dichloropropene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Trichloroethene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Dibromochloromethane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
1,1,2-Trichloroethane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Benzene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
trans-1,3-Dichloropropene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Bromoform	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
4-Methyl-2-pentanone	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
2-Hexanone	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Tetrachloroethene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
1,1,2,2-Tetrachloroethane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Toluene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Chlorobenzene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Ethylbenzene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Styrene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Xylenes (total)	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U

DATA AND FREQUENCY SUMMARY
 OPERABLE UNIT NO. 4 (SITES 41,69, AND 74)
 QUALITY ASSURANCE / QUALITY CONTROL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-TB-01	41-TB-02	41-TB-03	41-TB-04	41-TB-05	41-TB-06
Laboratory Sample ID:	9402021-05	9402043-16	9402055-04	9402067-03	9402063-04	9402071-07
Date Sampled:	02/01/94	02/02/94	02/03/94	02/04/94	02/04/94	02/05/94
	UNITS					
<u>PESTICIDE/PCBS</u>						
alpha-BHC	UG/L	N/A	N/A	N/A	N/A	N/A
beta-BHC	UG/L	N/A	N/A	N/A	N/A	N/A
delta-BHC	UG/L	N/A	N/A	N/A	N/A	N/A
Lindane (gamma-BHC)	UG/L	N/A	N/A	N/A	N/A	N/A
Heptachlor	UG/L	N/A	N/A	N/A	N/A	N/A
Aldrin	UG/L	N/A	N/A	N/A	N/A	N/A
Heptachlor epoxide	UG/L	N/A	N/A	N/A	N/A	N/A
Endosulfan I	UG/L	N/A	N/A	N/A	N/A	N/A
Dieldrin	UG/L	N/A	N/A	N/A	N/A	N/A
4,4'-DDE	UG/L	N/A	N/A	N/A	N/A	N/A
Endrin	UG/L	N/A	N/A	N/A	N/A	N/A
Endosulfan II	UG/L	N/A	N/A	N/A	N/A	N/A
4,4'-DDD	UG/L	N/A	N/A	N/A	N/A	N/A
Endosulfan sulfate	UG/L	N/A	N/A	N/A	N/A	N/A
4,4'-DDT	UG/L	N/A	N/A	N/A	N/A	N/A
Methoxychlor	UG/L	N/A	N/A	N/A	N/A	N/A
Endrin ketone	UG/L	N/A	N/A	N/A	N/A	N/A
Endrin aldehyde	UG/L	N/A	N/A	N/A	N/A	N/A
alpha-Chlordane	UG/L	N/A	N/A	N/A	N/A	N/A
gamma-Chlordane	UG/L	N/A	N/A	N/A	N/A	N/A
Toxaphene	UG/L	N/A	N/A	N/A	N/A	N/A
Aroclor 1016	UG/L	N/A	N/A	N/A	N/A	N/A
Aroclor 1221	UG/L	N/A	N/A	N/A	N/A	N/A
Aroclor 1232	UG/L	N/A	N/A	N/A	N/A	N/A
Aroclor 1242	UG/L	N/A	N/A	N/A	N/A	N/A
Aroclor 1248	UG/L	N/A	N/A	N/A	N/A	N/A
Aroclor 1254	UG/L	N/A	N/A	N/A	N/A	N/A
Aroclor 1260	UG/L	N/A	N/A	N/A	N/A	N/A

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 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-TB-01	41-TB-02	41-TB-03	41-TB-04	41-TB-05	41-TB-06
Laboratory Sample ID:	9402021-05	9402043-16	9402055-04	9402067-03	9402063-04	9402071-07
Date Sampled:	02/01/94	02/02/94	02/03/94	02/04/94	02/04/94	02/05/94
	UNITS					
CHEMICAL SURETY						
Acetophenone	UG/L	N/A	N/A	N/A	N/A	N/A
Chloroacetophenone	UG/L	N/A	N/A	N/A	N/A	N/A
Hydroxyacetophenone	UG/L	N/A	N/A	N/A	N/A	N/A
Bis(2'-chloroethyl)disulfide	UG/L	N/A	N/A	N/A	N/A	N/A
Bis(2'-chloroethyl)trisulfide	UG/L	N/A	N/A	N/A	N/A	N/A
1,4-Dithiane	UG/L	N/A	N/A	N/A	N/A	N/A
1,4-Oxathiane	UG/L	N/A	N/A	N/A	N/A	N/A
THIODIGLYCOL						
Thiodiglycol	UG/L	N/A	N/A	N/A	N/A	N/A
ORDNANCE						
1,3,5-Trinitrobenzene	UG/L	N/A	N/A	N/A	N/A	N/A
1,3-Dinitrobenzene	UG/L	N/A	N/A	N/A	N/A	N/A
2,4,6-Trinitrotoluene	UG/L	N/A	N/A	N/A	N/A	N/A
2,4-Dinitrotoluene	UG/L	N/A	N/A	N/A	N/A	N/A
2,6-Dinitrotoluene	UG/L	N/A	N/A	N/A	N/A	N/A
2-Amino-4,6-dinitrotoluene	UG/L	N/A	N/A	N/A	N/A	N/A
2-Nitrotoluene	UG/L	N/A	N/A	N/A	N/A	N/A
3-Nitrotoluene	UG/L	N/A	N/A	N/A	N/A	N/A
4-Amino-2,6-dinitrotoluene	UG/L	N/A	N/A	N/A	N/A	N/A
4-Nitrotoluene	UG/L	N/A	N/A	N/A	N/A	N/A
HMX	UG/L	N/A	N/A	N/A	N/A	N/A
Nitrobenzene	UG/L	N/A	N/A	N/A	N/A	N/A
RDX	UG/L	N/A	N/A	N/A	N/A	N/A
Tetryl	UG/L	N/A	N/A	N/A	N/A	N/A
MIREX						
Mirex	UG/L	N/A	N/A	N/A	N/A	N/A

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 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-TB-07	41-TB-08	41-TB-09	41-TB-10	41-TB-11	41-TB-12
Laboratory Sample ID:	9402088-17A	9402081-06	9402080-02	9402093-03	9402122-10	9402120-03A
Date Sampled:	02/07/94	02/07/94	02/07/94	02/08/94	02/15/94	02/15/94

UNITS

SEMIVOLATILES

	41-TB-07	41-TB-08	41-TB-09	41-TB-10	41-TB-11	41-TB-12
1,2-Dichlorobenzene	UG/L	N/A	N/A	N/A	N/A	N/A
1,2,4-Trichlorobenzene	UG/L	N/A	N/A	N/A	N/A	N/A
1,3-Dichlorobenzene	UG/L	N/A	N/A	N/A	N/A	N/A
1,4-Dichlorobenzene	UG/L	N/A	N/A	N/A	N/A	N/A
2-Chloronaphthalene	UG/L	N/A	N/A	N/A	N/A	N/A
2-Chlorophenol	UG/L	N/A	N/A	N/A	N/A	N/A
2-Methylnaphthalene	UG/L	N/A	N/A	N/A	N/A	N/A
2-Methylphenol	UG/L	N/A	N/A	N/A	N/A	N/A
2-Nitroaniline	UG/L	N/A	N/A	N/A	N/A	N/A
2-Nitrophenol	UG/L	N/A	N/A	N/A	N/A	N/A
2,2'-oxybis-(1-chloropropane)	UG/L	N/A	N/A	N/A	N/A	N/A
2,4-Dichlorophenol	UG/L	N/A	N/A	N/A	N/A	N/A
2,4-Dimethylphenol	UG/L	N/A	N/A	N/A	N/A	N/A
2,4-Dinitrophenol	UG/L	N/A	N/A	N/A	N/A	N/A
2,4-Dinitrotoluene	UG/L	N/A	N/A	N/A	N/A	N/A
2,4,5-Trichlorophenol	UG/L	N/A	N/A	N/A	N/A	N/A
2,4,6-Trichlorophenol	UG/L	N/A	N/A	N/A	N/A	N/A
2,6-Dinitrotoluene	UG/L	N/A	N/A	N/A	N/A	N/A
3-Nitroaniline	UG/L	N/A	N/A	N/A	N/A	N/A
3,3'-Dichlorobenzidine	UG/L	N/A	N/A	N/A	N/A	N/A
4-Bromophenyl-phenylether	UG/L	N/A	N/A	N/A	N/A	N/A
4-Chloro-3-methylphenol	UG/L	N/A	N/A	N/A	N/A	N/A
4-Chloroaniline	UG/L	N/A	N/A	N/A	N/A	N/A
4-Chlorophenyl phenyl ether	UG/L	N/A	N/A	N/A	N/A	N/A
4-Methylphenol	UG/L	N/A	N/A	N/A	N/A	N/A
4-Nitroaniline	UG/L	N/A	N/A	N/A	N/A	N/A
4-Nitrophenol	UG/L	N/A	N/A	N/A	N/A	N/A
4,6-Dinitro-2-methylphenol	UG/L	N/A	N/A	N/A	N/A	N/A
Acenaphthene	UG/L	N/A	N/A	N/A	N/A	N/A
Acenaphthylene	UG/L	N/A	N/A	N/A	N/A	N/A
Anthracene	UG/L	N/A	N/A	N/A	N/A	N/A
Benzo[a]anthracene	UG/L	N/A	N/A	N/A	N/A	N/A
Benzo[a]pyrene	UG/L	N/A	N/A	N/A	N/A	N/A

DATA AND FREQUENCY SUMMARY
 OPERABLE UNIT NO. 4 (SITES 41,69, AND 74)
 QUALITY ASSURANCE / QUALITY CONTROL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-TB-07	41-TB-08	41-TB-09	41-TB-10	41-TB-11	41-TB-12
Laboratory Sample ID:	9402088-17A	9402081-06	9402080-02	9402093-03	9402122-10	9402120-03A
Date Sampled:	02/07/94	02/07/94	02/07/94	02/08/94	02/15/94	02/15/94

UNITS

SEMIVOLATILES Cont.

	41-TB-07	41-TB-08	41-TB-09	41-TB-10	41-TB-11	41-TB-12
Benzo[b]fluoranthene	UG/L	N/A	N/A	N/A	N/A	N/A
Benzo[g,h,i]perylene	UG/L	N/A	N/A	N/A	N/A	N/A
Benzo[k]fluoranthene	UG/L	N/A	N/A	N/A	N/A	N/A
bis(2-Chloroethoxy) methane	UG/L	N/A	N/A	N/A	N/A	N/A
bis(2-Chloroethyl) ether	UG/L	N/A	N/A	N/A	N/A	N/A
bis(2-Ethylhexyl)phthalate	UG/L	N/A	N/A	N/A	N/A	N/A
Butyl benzyl phthalate	UG/L	N/A	N/A	N/A	N/A	N/A
Carbazole	UG/L	N/A	N/A	N/A	N/A	N/A
Chrysene	UG/L	N/A	N/A	N/A	N/A	N/A
Dibenzofuran	UG/L	N/A	N/A	N/A	N/A	N/A
Dibenz[a,h]anthracene	UG/L	N/A	N/A	N/A	N/A	N/A
Diethylphthalate	UG/L	N/A	N/A	N/A	N/A	N/A
Dimethyl phthalate	UG/L	N/A	N/A	N/A	N/A	N/A
di-n-Butylphthalate	UG/L	N/A	N/A	N/A	N/A	N/A
di-n-Octylphthalate	UG/L	N/A	N/A	N/A	N/A	N/A
Fluoranthene	UG/L	N/A	N/A	N/A	N/A	N/A
Fluorene	UG/L	N/A	N/A	N/A	N/A	N/A
Hexachlorobenzene	UG/L	N/A	N/A	N/A	N/A	N/A
Hexachlorobutadiene	UG/L	N/A	N/A	N/A	N/A	N/A
Hexachlorocyclopentadiene	UG/L	N/A	N/A	N/A	N/A	N/A
Hexachloroethane	UG/L	N/A	N/A	N/A	N/A	N/A
Indeno[1,2,3-cd]pyrene	UG/L	N/A	N/A	N/A	N/A	N/A
Isophorone	UG/L	N/A	N/A	N/A	N/A	N/A
Naphthalene	UG/L	N/A	N/A	N/A	N/A	N/A
Nitrobenzene	UG/L	N/A	N/A	N/A	N/A	N/A
N-Nitroso-di-n-propylamine	UG/L	N/A	N/A	N/A	N/A	N/A
N-nitrosodiphenylamine	UG/L	N/A	N/A	N/A	N/A	N/A
Pentachlorophenol	UG/L	N/A	N/A	N/A	N/A	N/A
Phenanthrene	UG/L	N/A	N/A	N/A	N/A	N/A
Phenol	UG/L	N/A	N/A	N/A	N/A	N/A
Pyrene	UG/L	N/A	N/A	N/A	N/A	N/A

DATA AND FREQUENCY SUMMARY
 OPERABLE UNIT NO. 4 (SITES 41,69, AND 74)
 QUALITY ASSURANCE / QUALITY CONTROL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-TB-07	41-TB-08	41-TB-09	41-TB-10	41-TB-11	41-TB-12
Laboratory Sample ID:	9402088-17A	9402081-06	9402080-02	9402093-03	9402122-10	9402120-03A
Date Sampled:	02/07/94	02/07/94	02/07/94	02/08/94	02/15/94	02/15/94

	UNITS						
VOLATILES							
Chloromethane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Bromomethane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Vinyl chloride	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Chloroethane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Methylene chloride	UG/L	2.00 J	6.00 J	4.00 J	3.00 J	10.0 U	10.00 U
Acetone	UG/L	10.3 UJ	10.0 U	10.0 U	10.00 U	10.0 U	10.0 U
Carbon Disulfide	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
1,1-Dichloroethene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
1,1-Dichloroethane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
1,2-Dichloroethene(total)	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Chloroform	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
1,2-Dichloroethane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
2-Butanone	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
1,1,1-Trichloroethane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Carbon tetrachloride	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Bromodichloromethane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
1,2-Dichloropropane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
cis-1,3-Dichloropropene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Trichloroethene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Dibromochloromethane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
1,1,2-Trichloroethane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Benzene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
trans-1,3-Dichloropropene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Bromoform	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
4-Methyl-2-pentanone	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
2-Hexanone	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Tetrachloroethene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
1,1,2,2-Tetrachloroethane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Toluene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Chlorobenzene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Ethylbenzene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Styrene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Xylenes (total)	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U

DATA AND FREQUENCY SUMMARY
 OPERABLE UNIT NO. 4 (SITES 41,69, AND 74)
 QUALITY ASSURANCE / QUALITY CONTROL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-TB-07	41-TB-08	41-TB-09	41-TB-10	41-TB-11	41-TB-12
Laboratory Sample ID:	9402088-17A	9402081-06	9402080-02	9402093-03	9402122-10	9402120-03A
Date Sampled:	02/07/94	02/07/94	02/07/94	02/08/94	02/15/94	02/15/94

UNITS

PESTICIDE/PCBS

	41-TB-07	41-TB-08	41-TB-09	41-TB-10	41-TB-11	41-TB-12
alpha-BHC	UG/L	N/A	N/A	N/A	N/A	N/A
beta-BHC	UG/L	N/A	N/A	N/A	N/A	N/A
delta-BHC	UG/L	N/A	N/A	N/A	N/A	N/A
Lindane (gamma-BHC)	UG/L	N/A	N/A	N/A	N/A	N/A
Heptachlor	UG/L	N/A	N/A	N/A	N/A	N/A
Aldrin	UG/L	N/A	N/A	N/A	N/A	N/A
Heptachlor epoxide	UG/L	N/A	N/A	N/A	N/A	N/A
Endosulfan I	UG/L	N/A	N/A	N/A	N/A	N/A
Dieldrin	UG/L	N/A	N/A	N/A	N/A	N/A
4,4'-DDE	UG/L	N/A	N/A	N/A	N/A	N/A
Endrin	UG/L	N/A	N/A	N/A	N/A	N/A
Endosulfan II	UG/L	N/A	N/A	N/A	N/A	N/A
4,4'-DDD	UG/L	N/A	N/A	N/A	N/A	N/A
Endosulfan sulfate	UG/L	N/A	N/A	N/A	N/A	N/A
4,4'-DDT	UG/L	N/A	N/A	N/A	N/A	N/A
Methoxychlor	UG/L	N/A	N/A	N/A	N/A	N/A
Endrin ketone	UG/L	N/A	N/A	N/A	N/A	N/A
Endrin aldehyde	UG/L	N/A	N/A	N/A	N/A	N/A
alpha-Chlordane	UG/L	N/A	N/A	N/A	N/A	N/A
gamma-Chlordane	UG/L	N/A	N/A	N/A	N/A	N/A
Toxaphene	UG/L	N/A	N/A	N/A	N/A	N/A
Aroclor 1016	UG/L	N/A	N/A	N/A	N/A	N/A
Aroclor 1221	UG/L	N/A	N/A	N/A	N/A	N/A
Aroclor 1232	UG/L	N/A	N/A	N/A	N/A	N/A
Aroclor 1242	UG/L	N/A	N/A	N/A	N/A	N/A
Aroclor 1248	UG/L	N/A	N/A	N/A	N/A	N/A
Aroclor 1254	UG/L	N/A	N/A	N/A	N/A	N/A
Aroclor 1260	UG/L	N/A	N/A	N/A	N/A	N/A

DATA AND FREQUENCY SUMMARY
 OPERABLE UNIT NO. 4 (SITES 41,69, AND 74)
 QUALITY ASSURANCE / QUALITY CONTROL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-TB-07	41-TB-08	41-TB-09	41-TB-10	41-TB-11	41-TB-12
Laboratory Sample ID:	9402088-17A	9402081-06	9402080-02	9402093-03	9402122-10	9402120-03A
Date Sampled:	02/07/94	02/07/94	02/07/94	02/08/94	02/15/94	02/15/94
<u>UNITS</u>						
<u>CHEMICAL SURETY</u>						
Acetophenone	UG/L	N/A	N/A	N/A	N/A	N/A
Chloroacetophenone	UG/L	N/A	N/A	N/A	N/A	N/A
Hydroxyacetophenone	UG/L	N/A	N/A	N/A	N/A	N/A
Bis(2'-chloroethyl)disulfide	UG/L	N/A	N/A	N/A	N/A	N/A
Bis(2'-chloroethyl)trisulfide	UG/L	N/A	N/A	N/A	N/A	N/A
1,4-Dithiane	UG/L	N/A	N/A	N/A	N/A	N/A
1,4-Oxathiane	UG/L	N/A	N/A	N/A	N/A	N/A
<u>THIODIGLYCOL</u>						
Thiodiglycol	UG/L	N/A	N/A	N/A	N/A	N/A
<u>ORDNANCE</u>						
1,3,5-Trinitrobenzene	UG/L	N/A	N/A	N/A	N/A	N/A
1,3-Dinitrobenzene	UG/L	N/A	N/A	N/A	N/A	N/A
2,4,6-Trinitrotoluene	UG/L	N/A	N/A	N/A	N/A	N/A
2,4-Dinitrotoluene	UG/L	N/A	N/A	N/A	N/A	N/A
2,6-Dinitrotoluene	UG/L	N/A	N/A	N/A	N/A	N/A
2-Amino-4,6-dinitrotoluene	UG/L	N/A	N/A	N/A	N/A	N/A
2-Nitrotoluene	UG/L	N/A	N/A	N/A	N/A	N/A
3-Nitrotoluene	UG/L	N/A	N/A	N/A	N/A	N/A
4-Amino-2,6-dinitrotoluene	UG/L	N/A	N/A	N/A	N/A	N/A
4-Nitrotoluene	UG/L	N/A	N/A	N/A	N/A	N/A
HMX	UG/L	N/A	N/A	N/A	N/A	N/A
Nitrobenzene	UG/L	N/A	N/A	N/A	N/A	N/A
RDX	UG/L	N/A	N/A	N/A	N/A	N/A
Tetryl	UG/L	N/A	N/A	N/A	N/A	N/A
<u>MIREX</u>						
Mirex	UG/L	N/A	N/A	N/A	N/A	N/A

DATA AND FREQUENCY SUMMARY
 OPERABLE UNIT NO. 4 (SITES 41,69, AND 74)
 QUALITY ASSURANCE / QUALITY CONTROL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-TB-13	41-TB-14	41-TB-15	41-RS-01	41-RS-03	41-RS-05
Laboratory Sample ID:	9402131-04A	9402157-08A	9402161-15A	9402021-04	9402057-01	9402071-02
Date Sampled:	02/16/94	02/19/94	02/21/94	02/01/94	02/03/94	02/05/94

UNITS

SEMIVOLATILES

Compound	41-TB-13	41-TB-14	41-TB-15	41-RS-01	41-RS-03	41-RS-05
1,2-Dichlorobenzene	UG/L	N/A	N/A	N/A	10.0 U	11.2 U
1,2,4-Trichlorobenzene	UG/L	N/A	N/A	N/A	10.0 U	11.2 U
1,3-Dichlorobenzene	UG/L	N/A	N/A	N/A	10.0 U	11.2 U
1,4-Dichlorobenzene	UG/L	N/A	N/A	N/A	10.0 U	11.2 U
2-Chloronaphthalene	UG/L	N/A	N/A	N/A	10.0 U	11.2 U
2-Chlorophenol	UG/L	N/A	N/A	N/A	10.0 U	11.2 U
2-Methylnaphthalene	UG/L	N/A	N/A	N/A	10.0 U	11.2 U
2-Methylphenol	UG/L	N/A	N/A	N/A	10.0 U	11.2 U
2-Nitroaniline	UG/L	N/A	N/A	N/A	25.0 U	28.1 U
2-Nitrophenol	UG/L	N/A	N/A	N/A	10.0 U	11.2 U
2,2'-oxybis-(1-chloropropane)	UG/L	N/A	N/A	N/A	10.0 U	11.2 U
2,4-Dichlorophenol	UG/L	N/A	N/A	N/A	10.0 U	11.2 U
2,4-Dimethylphenol	UG/L	N/A	N/A	N/A	10.0 U	11.2 U
2,4-Dinitrophenol	UG/L	N/A	N/A	N/A	25.0 U	28.1 U
2,4-Dinitrotoluene	UG/L	N/A	N/A	N/A	10.0 U	11.2 U
2,4,5-Trichlorophenol	UG/L	N/A	N/A	N/A	25.0 U	28.1 U
2,4,6-Trichlorophenol	UG/L	N/A	N/A	N/A	10.0 U	11.2 U
2,6-Dinitrotoluene	UG/L	N/A	N/A	N/A	10.0 U	11.2 U
3-Nitroaniline	UG/L	N/A	N/A	N/A	25.0 U	28.1 U
3,3'-Dichlorobenzidine	UG/L	N/A	N/A	N/A	10.0 U	11.2 U
4-Bromophenyl-phenylether	UG/L	N/A	N/A	N/A	10.0 U	11.2 U
4-Chloro-3-methylphenol	UG/L	N/A	N/A	N/A	10.0 U	11.2 U
4-Chloroaniline	UG/L	N/A	N/A	N/A	10.0 U	11.2 U
4-Chlorophenyl phenyl ether	UG/L	N/A	N/A	N/A	10.0 U	11.2 U
4-Methylphenol	UG/L	N/A	N/A	N/A	10.0 U	11.2 U
4-Nitroaniline	UG/L	N/A	N/A	N/A	25.0 U	28.1 U
4-Nitrophenol	UG/L	N/A	N/A	N/A	25.0 U	28.1 U
4,6-Dinitro-2-methylphenol	UG/L	N/A	N/A	N/A	25.0 U	28.1 U
Acenaphthene	UG/L	N/A	N/A	N/A	10.0 U	11.2 U
Acenaphthylene	UG/L	N/A	N/A	N/A	10.0 U	11.2 U
Anthracene	UG/L	N/A	N/A	N/A	10.0 U	11.2 U
Benzo[a]anthracene	UG/L	N/A	N/A	N/A	10.0 U	11.2 U
Benzo[a]pyrene	UG/L	N/A	N/A	N/A	10.0 U	11.2 U

DATA AND FREQUENCY SUMMARY
 OPERABLE UNIT NO. 4 (SITES 41,69, AND 74)
 QUALITY ASSURANCE / QUALITY CONTROL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-TB-13	41-TB-14	41-TB-15	41-RS-01	41-RS-03	41-RS-05
Laboratory Sample ID:	9402131-04A	9402157-08A	9402161-15A	9402021-04	9402057-01	9402071-02
Date Sampled:	02/16/94	02/19/94	02/21/94	02/01/94	02/03/94	02/05/94

UNITS

SEMIVOLATILES Cont.

	UG/L	N/A	N/A	N/A	10.0 U	10.0 U	11.2 U
Benzo[b]fluoranthene	UG/L	N/A	N/A	N/A	10.0 U	10.0 U	11.2 U
Benzo[g,h,i]perylene	UG/L	N/A	N/A	N/A	10.0 U	10.0 U	11.2 U
Benzo[k]fluoranthene	UG/L	N/A	N/A	N/A	10.0 U	10.0 U	11.2 U
bis(2-Chloroethoxy) methane	UG/L	N/A	N/A	N/A	10.0 U	10.0 U	11.2 U
bis(2-Chloroethyl) ether	UG/L	N/A	N/A	N/A	10.0 U	10.0 U	11.2 U
bis(2-Ethylhexyl)phthalate	UG/L	N/A	N/A	N/A	10.0 U	10.0 U	11.2 U
Butyl benzyl phthalate	UG/L	N/A	N/A	N/A	10.0 U	10.0 U	11.2 U
Carbazole	UG/L	N/A	N/A	N/A	10.0 U	10.0 U	11.2 U
Chrysene	UG/L	N/A	N/A	N/A	10.0 U	10.0 U	11.2 U
Dibenzofuran	UG/L	N/A	N/A	N/A	10.0 U	10.0 U	11.2 U
Dibenz[a,h]anthracene	UG/L	N/A	N/A	N/A	10.0 U	10.0 U	11.2 U
Diethylphthalate	UG/L	N/A	N/A	N/A	10.0 U	10.0 U	11.2 U
Dimethyl phthalate	UG/L	N/A	N/A	N/A	10.0 U	10.0 U	11.2 U
di-n-Butylphthalate	UG/L	N/A	N/A	N/A	10.0 U	10.0 U	11.2 U
di-n-Octylphthalate	UG/L	N/A	N/A	N/A	10.0 U	10.0 U	11.2 U
Fluoranthene	UG/L	N/A	N/A	N/A	10.0 U	10.0 U	11.2 U
Fluorene	UG/L	N/A	N/A	N/A	10.0 U	10.0 U	11.2 U
Hexachlorobenzene	UG/L	N/A	N/A	N/A	10.0 U	10.0 U	11.2 U
Hexachlorobutadiene	UG/L	N/A	N/A	N/A	10.0 U	10.0 U	11.2 U
Hexachlorocyclopentadiene	UG/L	N/A	N/A	N/A	10.0 U	10.0 U	11.2 U
Hexachloroethane	UG/L	N/A	N/A	N/A	10.0 U	10.0 U	11.2 U
Indeno[1,2,3-cd]pyrene	UG/L	N/A	N/A	N/A	10.0 U	10.0 U	11.2 U
Isophorone	UG/L	N/A	N/A	N/A	10.0 U	10.0 U	11.2 U
Naphthalene	UG/L	N/A	N/A	N/A	10.0 U	10.0 U	11.2 U
Nitrobenzene	UG/L	N/A	N/A	N/A	10.0 U	10.0 U	11.2 U
N-Nitroso-di-n-propylamine	UG/L	N/A	N/A	N/A	10.0 U	10.0 U	11.2 U
N-nitrosodiphenylamine	UG/L	N/A	N/A	N/A	10.0 U	10.0 U	11.2 U
Pentachlorophenol	UG/L	N/A	N/A	N/A	25.0 U	25.0 U	28.1 U
Phenanthrene	UG/L	N/A	N/A	N/A	10.0 U	10.0 U	11.2 U
Phenol	UG/L	N/A	N/A	N/A	10.0 U	10.0 U	11.2 U
Pyrene	UG/L	N/A	N/A	N/A	10.0 U	10.0 U	11.2 U

DATA AND FREQUENCY SUMMARY
 OPERABLE UNIT NO. 4 (SITES 41,69, AND 74)
 QUALITY ASSURANCE / QUALITY CONTROL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-TB-13	41-TB-14	41-TB-15	41-RS-01	41-RS-03	41-RS-05
Laboratory Sample ID:	9402131-04A	9402157-08A	9402161-15A	9402021-04	9402057-01	9402071-02
Date Sampled:	02/16/94	02/19/94	02/21/94	02/01/94	02/03/94	02/05/94
	UNITS					
VOLATILES						
Chloromethane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Bromomethane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Vinyl chloride	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Chloroethane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Methylene chloride	UG/L	10.00 U	10.0 U	10.0 U	5.00 J	2.00 J
Acetone	UG/L	10.0 UJ	10.00 UJ	10.00 UJ	10.00 U	21.0 U
Carbon Disulfide	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
1,1-Dichloroethene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
1,1-Dichloroethane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
1,2-Dichloroethene(total)	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Chloroform	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
1,2-Dichloroethane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
2-Butanone	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
1,1,1-Trichloroethane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Carbon tetrachloride	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Bromodichloromethane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
1,2-Dichloropropane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
cis-1,3-Dichloropropene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Trichloroethene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Dibromochloromethane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
1,1,2-Trichloroethane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Benzene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
trans-1,3-Dichloropropene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Bromoform	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
4-Methyl-2-pentanone	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
2-Hexanone	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Tetrachloroethene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
1,1,2,2-Tetrachloroethane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Toluene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Chlorobenzene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Ethylbenzene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Styrene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Xylenes (total)	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U

DATA AND FREQUENCY SUMMARY
 OPERABLE UNIT NO. 4 (SITES 41,69, AND 74)
 QUALITY ASSURANCE / QUALITY CONTROL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-TB-13	41-TB-14	41-TB-15	41-RS-01	41-RS-03	41-RS-05	
Laboratory Sample ID:	9402131-04A	9402157-08A	9402161-15A	9402021-04	9402057-01	9402071-02	
Date Sampled:	02/16/94	02/19/94	02/21/94	02/01/94	02/03/94	02/05/94	
	UNITS						
<u>PESTICIDE/PCBS</u>							
alpha-BHC	UG/L	N/A	N/A	N/A	0.050 UJ	0.062 UJ	0.055 UJ
beta-BHC	UG/L	N/A	N/A	N/A	0.050 UJ	0.062 U	0.055 U
delta-BHC	UG/L	N/A	N/A	N/A	0.050 UJ	0.062 UJ	0.055 UJ
Lindane (gamma-BHC)	UG/L	N/A	N/A	N/A	0.050 UJ	0.062 U	0.055 U
Heptachlor	UG/L	N/A	N/A	N/A	0.010 UJ	0.060 U	0.060 U
Aldrin	UG/L	N/A	N/A	N/A	0.050 UJ	0.062 U	0.055 U
Heptachlor epoxide	UG/L	N/A	N/A	N/A	0.050 UJ	0.062 U	0.055 U
Endosulfan I	UG/L	N/A	N/A	N/A	0.050 UJ	0.062 U	0.055 U
Dieldrin	UG/L	N/A	N/A	N/A	0.100 UJ	0.123 U	0.110 U
4,4'-DDE	UG/L	N/A	N/A	N/A	0.100 UJ	0.123 U	0.110 U
Endrin	UG/L	N/A	N/A	N/A	0.100 UJ	0.123 U	0.110 U
Endosulfan II	UG/L	N/A	N/A	N/A	0.100 UJ	0.123 U	0.110 U
4,4'-DDD	UG/L	N/A	N/A	N/A	0.100 UJ	0.123 U	0.110 U
Endosulfan sulfate	UG/L	N/A	N/A	N/A	0.100 UJ	0.123 U	0.110 U
4,4'-DDT	UG/L	N/A	N/A	N/A	0.100 UJ	0.123 U	0.110 U
Methoxychlor	UG/L	N/A	N/A	N/A	0.500 UJ	0.617 U	0.550 U
Endrin ketone	UG/L	N/A	N/A	N/A	0.100 UJ	0.123 U	0.110 U
Endrin aldehyde	UG/L	N/A	N/A	N/A	0.100 UJ	0.123 U	0.110 U
alpha-Chlordane	UG/L	N/A	N/A	N/A	0.050 UJ	0.062 U	0.055 U
gamma-Chlordane	UG/L	N/A	N/A	N/A	0.050 UJ	0.062 U	0.055 U
Toxaphene	UG/L	N/A	N/A	N/A	5.00 UJ	6.17 U	5.50 U
Aroclor 1016	UG/L	N/A	N/A	N/A	1.00 UJ	1.23 U	1.10 U
Aroclor 1221	UG/L	N/A	N/A	N/A	2.00 UJ	2.47 U	2.20 U
Aroclor 1232	UG/L	N/A	N/A	N/A	1.00 UJ	1.23 U	1.10 U
Aroclor 1242	UG/L	N/A	N/A	N/A	1.00 UJ	1.23 U	1.10 U
Aroclor 1248	UG/L	N/A	N/A	N/A	1.00 UJ	1.23 U	1.10 U
Aroclor 1254	UG/L	N/A	N/A	N/A	1.00 UJ	1.23 U	1.10 U
Aroclor 1260	UG/L	N/A	N/A	N/A	1.00 UJ	1.23 U	1.10 U

DATA AND FREQUENCY SUMMARY
 OPERABLE UNIT NO. 4 (SITES 41,69, AND 74)
 QUALITY ASSURANCE / QUALITY CONTROL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-TB-13	41-TB-14	41-TB-15	41-RS-01	41-RS-03	41-RS-05
Laboratory Sample ID:	9402131-04A	9402157-08A	9402161-15A	9402021-04	9402057-01	9402071-02
Date Sampled:	02/16/94	02/19/94	02/21/94	02/01/94	02/03/94	02/05/94

UNITS

CHEMICAL SURETY

Acetophenone	UG/L	N/A	N/A	N/A	10.0 U	10.0 U	N/A
Chloroacetophenone	UG/L	N/A	N/A	N/A	10.0 U	10.0 U	N/A
Hydroxyacetophenone	UG/L	N/A	N/A	N/A	50.0 U	50.0 U	N/A
Bis(2'-chloroethyl)disulfide	UG/L	N/A	N/A	N/A	50.0 U	50.0 U	N/A
Bis(2'-chloroethyl)trisulfide	UG/L	N/A	N/A	N/A	50.0 U	50.0 U	N/A
1,4-Dithiane	UG/L	N/A	N/A	N/A	10.0 U	10.0 U	N/A
1,4-Oxathiane	UG/L	N/A	N/A	N/A	10.0 U	10.0 U	N/A

THIODIGLYCOL

Thiodiglycol	UG/L	N/A	N/A	N/A	25.0 U	25.0 U	N/A
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ORDNANCE

1,3,5-Trinitrobenzene	UG/L	N/A	N/A	N/A	0.500 U	0.500 U	N/A
1,3-Dinitrobenzene	UG/L	N/A	N/A	N/A	0.500 U	0.500 U	N/A
2,4,6-Trinitrotoluene	UG/L	N/A	N/A	N/A	0.500 U	0.500 U	N/A
2,4-Dinitrotoluene	UG/L	N/A	N/A	N/A	0.500 U	0.500 U	N/A
2,6-Dinitrotoluene	UG/L	N/A	N/A	N/A	0.500 U	0.500 U	N/A
2-Amino-4,6-dinitrotoluene	UG/L	N/A	N/A	N/A	0.030 U	0.030 U	N/A
2-Nitrotoluene	UG/L	N/A	N/A	N/A	0.500 U	0.500 U	N/A
3-Nitrotoluene	UG/L	N/A	N/A	N/A	0.500 U	0.500 U	N/A
4-Amino-2,6-dinitrotoluene	UG/L	N/A	N/A	N/A	0.020 U	0.020 U	N/A
4-Nitrotoluene	UG/L	N/A	N/A	N/A	0.500 U	0.500 U	N/A
HMX	UG/L	N/A	N/A	N/A	1.25 U	1.25 U	N/A
Nitrobenzene	UG/L	N/A	N/A	N/A	0.500 U	0.500 U	N/A
RDX	UG/L	N/A	N/A	N/A	0.500 U	0.500 U	N/A
Tetryl	UG/L	N/A	N/A	N/A	0.500 U	0.500 U	N/A

MIREX

Mirex	UG/L	N/A	N/A	N/A	50.0 U	50.0 U	11.2 U
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DATA AND FREQUENCY SUMMARY
 OPERABLE UNIT NO. 4 (SITES 41,69, AND 74)
 QUALITY ASSURANCE / QUALITY CONTROL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-RS-07	41-RS-09	41-RS-11	41-RS-13	69-TB-01	69-TB-02
Laboratory Sample ID:	9402081-04	9402118-01	9402131-03A	9402161-05A	9401025-04A	9401036-07A
Date Sampled:	02/07/94	02/15/94	02/16/94	02/20/94	01/06/94	01/06/94

	UNITS					
SEMIVOLATILES						
1,2-Dichlorobenzene	UG/L	12.5 U	11.0 U	12.0 U	11.1 U	N/A
1,2,4-Trichlorobenzene	UG/L	12.5 U	11.0 U	12.0 U	11.1 U	N/A
1,3-Dichlorobenzene	UG/L	12.5 U	11.0 U	12.0 U	11.1 U	N/A
1,4-Dichlorobenzene	UG/L	12.5 U	11.0 U	12.0 U	11.1 U	N/A
2-Chloronaphthalene	UG/L	12.5 U	11.0 U	12.0 U	11.1 U	N/A
2-Chlorophenol	UG/L	12.5 U	11.0 U	12.0 U	11.1 U	N/A
2-Methylnaphthalene	UG/L	12.5 U	11.0 U	12.0 U	11.1 U	N/A
2-Methylphenol	UG/L	12.5 U	11.0 U	12.0 U	11.1 U	N/A
2-Nitroaniline	UG/L	31.2 U	27.5 U	30.0 U	27.8 U	N/A
2-Nitrophenol	UG/L	12.5 U	11.0 U	12.0 U	11.1 U	N/A
2,2'-oxybis-(1-chloropropane)	UG/L	12.5 U	11.0 U	12.0 U	11.1 U	N/A
2,4-Dichlorophenol	UG/L	12.5 U	11.0 U	12.0 U	11.1 U	N/A
2,4-Dimethylphenol	UG/L	12.5 U	11.0 U	12.0 U	11.1 U	N/A
2,4-Dinitrophenol	UG/L	31.2 U	27.5 U	30.0 U	27.8 U	N/A
2,4-Dinitrotoluene	UG/L	12.5 U	11.0 U	12.0 U	11.1 U	N/A
2,4,5-Trichlorophenol	UG/L	31.2 U	27.5 U	30.0 U	27.8 U	N/A
2,4,6-Trichlorophenol	UG/L	12.5 U	11.0 U	12.0 U	11.1 U	N/A
2,6-Dinitrotoluene	UG/L	12.5 U	11.0 U	12.0 U	11.1 U	N/A
3-Nitroaniline	UG/L	31.2 U	27.5 U	30.0 U	27.8 U	N/A
3,3'-Dichlorobenzidine	UG/L	12.5 U	11.0 U	12.0 U	11.1 U	N/A
4-Bromophenyl-phenylether	UG/L	12.5 U	11.0 U	12.0 U	11.1 U	N/A
4-Chloro-3-methylphenol	UG/L	12.5 U	11.0 U	12.0 U	11.1 U	N/A
4-Chloroaniline	UG/L	12.5 U	11.0 U	12.0 U	11.1 U	N/A
4-Chlorophenyl phenyl ether	UG/L	12.5 U	11.0 U	12.0 U	11.1 U	N/A
4-Methylphenol	UG/L	12.5 U	11.0 U	12.0 U	11.1 U	N/A
4-Nitroaniline	UG/L	31.2 U	27.5 U	30.0 U	27.8 U	N/A
4-Nitrophenol	UG/L	31.2 U	27.5 U	30.0 U	27.8 U	N/A
4,6-Dinitro-2-methylphenol	UG/L	31.2 U	27.5 U	30.0 U	27.8 U	N/A
Acenaphthene	UG/L	12.5 U	11.0 U	12.0 U	11.1 U	N/A
Acenaphthylene	UG/L	12.5 U	11.0 U	12.0 U	11.1 U	N/A
Anthracene	UG/L	12.5 U	11.0 U	12.0 U	11.1 U	N/A
Benzo[a]anthracene	UG/L	12.5 U	11.0 U	12.0 U	11.1 U	N/A
Benzo[a]pyrene	UG/L	12.5 U	11.0 U	12.0 U	11.1 U	N/A

DATA AND FREQUENCY SUMMARY
 OPERABLE UNIT NO. 4 (SITES 41,69, AND 74)
 QUALITY ASSURANCE / QUALITY CONTROL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-RS-07	41-RS-09	41-RS-11	41-RS-13	69-TB-01	69-TB-02
Laboratory Sample ID:	9402081-04	9402118-01	9402131-03A	9402161-05A	9401025-04A	9401036-07A
Date Sampled:	02/07/94	02/15/94	02/16/94	02/20/94	01/06/94	01/06/94

UNITS

SEMIVOLATILES Cont.

Benzo[b]fluoranthene	UG/L	12.5 U	11.0 U	12.0 U	11.1 U	N/A	N/A
Benzo[g,h,i]perylene	UG/L	12.5 U	11.0 U	12.0 U	11.1 U	N/A	N/A
Benzo[k]fluoranthene	UG/L	12.5 U	11.0 U	12.0 U	11.1 U	N/A	N/A
bis(2-Chloroethoxy) methane	UG/L	12.5 U	11.0 U	12.0 U	11.1 U	N/A	N/A
bis(2-Chloroethyl) ether	UG/L	12.5 U	11.0 U	12.0 U	11.1 U	N/A	N/A
bis(2-Ethylhexyl)phthalate	UG/L	12.5 U	11.0 U	12.0 U	11.1 U	N/A	N/A
Butyl benzyl phthalate	UG/L	12.5 U	11.0 U	12.0 U	11.1 U	N/A	N/A
Carbazole	UG/L	12.5 U	11.0 U	12.0 U	11.1 U	N/A	N/A
Chrysene	UG/L	12.5 U	11.0 U	12.0 U	11.1 U	N/A	N/A
Dibenzofuran	UG/L	12.5 U	11.0 U	12.0 U	11.1 U	N/A	N/A
Dibenz[a,h]anthracene	UG/L	12.5 U	11.0 U	12.0 U	11.1 U	N/A	N/A
Diethylphthalate	UG/L	12.5 U	11.0 U	12.0 U	11.1 U	N/A	N/A
Dimethyl phthalate	UG/L	12.5 U	11.0 U	12.0 U	11.1 U	N/A	N/A
di-n-Butylphthalate	UG/L	12.5 U	11.0 U	12.0 U	11.1 U	N/A	N/A
di-n-Octylphthalate	UG/L	12.5 U	11.0 U	12.0 U	11.1 U	N/A	N/A
Fluoranthene	UG/L	12.5 U	11.0 U	12.0 U	11.1 U	N/A	N/A
Fluorene	UG/L	12.5 U	11.0 U	12.0 U	11.1 U	N/A	N/A
Hexachlorobenzene	UG/L	12.5 U	11.0 U	12.0 U	11.1 U	N/A	N/A
Hexachlorobutadiene	UG/L	12.5 U	11.0 U	12.0 U	11.1 U	N/A	N/A
Hexachlorocyclopentadiene	UG/L	12.5 U	11.0 U	12.0 U	11.1 U	N/A	N/A
Hexachloroethane	UG/L	12.5 U	11.0 U	12.0 U	11.1 U	N/A	N/A
Indeno[1,2,3-cd]pyrene	UG/L	12.5 U	11.0 U	12.0 U	11.1 U	N/A	N/A
Isophorone	UG/L	12.5 U	11.0 U	12.0 U	11.1 U	N/A	N/A
Naphthalene	UG/L	12.5 U	11.0 U	12.0 U	11.1 U	N/A	N/A
Nitrobenzene	UG/L	12.5 U	11.0 U	12.0 U	11.1 U	N/A	N/A
N-Nitroso-di-n-propylamine	UG/L	12.5 U	11.0 U	12.0 U	11.1 U	N/A	N/A
N-nitrosodiphenylamine	UG/L	12.5 U	11.0 U	12.0 U	11.1 U	N/A	N/A
Pentachlorophenol	UG/L	31.2 U	27.5 U	30.0 U	27.8 U	N/A	N/A
Phenanthrene	UG/L	12.5 U	11.0 U	12.0 U	11.1 U	N/A	N/A
Phenol	UG/L	12.5 U	11.0 U	12.0 U	11.1 U	N/A	N/A
Pyrene	UG/L	12.5 U	11.0 U	12.0 U	11.1 U	N/A	N/A

DATA AND FREQUENCY SUMMARY
 OPERABLE UNIT NO. 4 (SITES 41,69, AND 74)
 QUALITY ASSURANCE / QUALITY CONTROL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-RS-07	41-RS-09	41-RS-11	41-RS-13	69-TB-01	69-TB-02
Laboratory Sample ID:	9402081-04	9402118-01	9402131-03A	9402161-05A	9401025-04A	9401036-07A
Date Sampled:	02/07/94	02/15/94	02/16/94	02/20/94	01/06/94	01/06/94

	UNITS					
VOLATILES						
Chloromethane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Bromomethane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Vinyl chloride	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Chloroethane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Methylene chloride	UG/L	8.00 J	10.0 U	10.00 U	3.51 J	10.0 U
Acetone	UG/L	10.0 U	10.0 U	2.00 J	10.00 UJ	10.0 U
Carbon Disulfide	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
1,1-Dichloroethene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
1,1-Dichloroethane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
1,2-Dichloroethene(total)	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Chloroform	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
1,2-Dichloroethane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
2-Butanone	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
1,1,1-Trichloroethane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Carbon tetrachloride	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Bromodichloromethane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
1,2-Dichloropropane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
cis-1,3-Dichloropropene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Trichloroethene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Dibromochloromethane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
1,1,2-Trichloroethane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Benzene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
trans-1,3-Dichloropropene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Bromoform	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
4-Methyl-2-pentanone	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
2-Hexanone	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Tetrachloroethene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
1,1,2,2-Tetrachloroethane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Toluene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Chlorobenzene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Ethylbenzene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Styrene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Xylenes (total)	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U

DATA AND FREQUENCY SUMMARY
 OPERABLE UNIT NO. 4 (SITES 41,69, AND 74)
 QUALITY ASSURANCE / QUALITY CONTROL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-RS-07	41-RS-09	41-RS-11	41-RS-13	69-TB-01	69-TB-02
Laboratory Sample ID:	9402081-04	9402118-01	9402131-03A	9402161-05A	9401025-04A	9401036-07A
Date Sampled:	02/07/94	02/15/94	02/16/94	02/20/94	01/06/94	01/06/94

	UNITS						
PESTICIDE/PCBS							
alpha-BHC	UG/L	0.055 UJ	0.056 UJ	0.059 UJ	0.056 UJ	N/A	N/A
beta-BHC	UG/L	0.055 UJ	0.056 U	0.059 UJ	0.056 UJ	N/A	N/A
delta-BHC	UG/L	0.055 UJ	0.056 UJ	0.059 UJ	0.056 UJ	N/A	N/A
Lindane (gamma-BHC)	UG/L	0.055 UJ	0.056 U	0.059 UJ	0.056 UJ	N/A	N/A
Heptachlor	UG/L	0.055 UJ	0.020 J	0.030 J	0.056 UJ	N/A	N/A
Aldrin	UG/L	0.055 UJ	0.056 U	0.059 UJ	0.056 UJ	N/A	N/A
Heptachlor epoxide	UG/L	0.055 UJ	0.056 U	0.059 UJ	0.056 UJ	N/A	N/A
Endosulfan I	UG/L	0.055 UJ	0.056 U	0.059 UJ	0.056 UJ	N/A	N/A
Dieldrin	UG/L	0.110 UJ	0.111 U	0.118 UJ	0.111 UJ	N/A	N/A
4,4'-DDE	UG/L	0.110 UJ	0.111 U	0.118 UJ	0.111 UJ	N/A	N/A
Endrin	UG/L	0.110 UJ	0.111 U	0.118 UJ	0.111 UJ	N/A	N/A
Endosulfan II	UG/L	0.110 UJ	0.111 U	0.118 UJ	0.111 UJ	N/A	N/A
4,4'-DDD	UG/L	0.110 UJ	0.111 U	0.118 UJ	0.111 UJ	N/A	N/A
Endosulfan sulfate	UG/L	0.110 UJ	0.111 U	0.118 UJ	0.111 UJ	N/A	N/A
4,4'-DDT	UG/L	0.110 UJ	0.111 U	0.118 UJ	0.111 UJ	N/A	N/A
Methoxychlor	UG/L	0.550 UJ	0.556 U	0.588 UJ	0.556 UJ	N/A	N/A
Endrin ketone	UG/L	0.110 UJ	0.111 U	0.118 UJ	0.111 UJ	N/A	N/A
Endrin aldehyde	UG/L	0.110 UJ	0.111 U	0.118 UJ	0.111 UJ	N/A	N/A
alpha-Chlordane	UG/L	0.055 UJ	0.056 U	0.059 UJ	0.056 UJ	N/A	N/A
gamma-Chlordane	UG/L	0.055 UJ	0.056 U	0.059 UJ	0.056 UJ	N/A	N/A
Toxaphene	UG/L	5.50 UJ	5.56 U	5.88 UJ	5.56 UJ	N/A	N/A
Aroclor 1016	UG/L	1.10 UJ	1.11 U	1.18 UJ	1.11 UJ	N/A	N/A
Aroclor 1221	UG/L	2.20 UJ	2.22 U	2.35 UJ	2.22 UJ	N/A	N/A
Aroclor 1232	UG/L	1.10 UJ	1.11 U	1.18 UJ	1.11 UJ	N/A	N/A
Aroclor 1242	UG/L	1.10 UJ	1.11 U	1.18 UJ	1.11 UJ	N/A	N/A
Aroclor 1248	UG/L	1.10 UJ	1.11 U	1.18 UJ	1.11 UJ	N/A	N/A
Aroclor 1254	UG/L	1.10 UJ	1.11 U	1.18 UJ	1.11 UJ	N/A	N/A
Aroclor 1260	UG/L	1.10 UJ	1.11 U	1.18 UJ	1.11 UJ	N/A	N/A

DATA AND FREQUENCY SUMMARY
 OPERABLE UNIT NO. 4 (SITES 41,69, AND 74)
 QUALITY ASSURANCE / QUALITY CONTROL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-RS-07	41-RS-09	41-RS-11	41-RS-13	69-TB-01	69-TB-02
Laboratory Sample ID:	9402081-04	9402118-01	9402131-03A	9402161-05A	9401025-04A	9401036-07A
Date Sampled:	02/07/94	02/15/94	02/16/94	02/20/94	01/06/94	01/06/94
<u>UNITS</u>						
<u>CHEMICAL SURETY</u>						
Acetophenone	UG/L	N/A	11.0 U	N/A	11.1 U	N/A
Chloroacetophenone	UG/L	N/A	11.0 U	N/A	11.1 U	N/A
Hydroxyacetophenone	UG/L	N/A	55.0 U	N/A	55.6 U	N/A
Bis(2'-chloroethyl)disulfide	UG/L	N/A	55.0 U	N/A	55.6 U	N/A
Bis(2'-chloroethyl)trisulfide	UG/L	N/A	55.0 U	N/A	55.6 U	N/A
1,4-Dithiane	UG/L	N/A	11.0 U	N/A	11.1 U	N/A
1,4-Oxathiane	UG/L	N/A	11.0 U	N/A	11.1 U	N/A
<u>THIODIGLYCOL</u>						
Thiodiglycol	UG/L	N/A	25.0 U	N/A	25.0 U	N/A
<u>ORDNANCE</u>						
1,3,5-Trinitrobenzene	UG/L	N/A	0.500 U	N/A	0.500 U	N/A
1,3-Dinitrobenzene	UG/L	N/A	0.500 U	N/A	0.500 U	N/A
2,4,6-Trinitrotoluene	UG/L	N/A	0.500 U	N/A	0.500 U	N/A
2,4-Dinitrotoluene	UG/L	N/A	0.500 U	N/A	0.500 U	N/A
2,6-Dinitrotoluene	UG/L	N/A	0.500 U	N/A	0.500 U	N/A
2-Amino-4,6-dinitrotoluene	UG/L	N/A	0.030 U	N/A	0.030 U	N/A
2-Nitrotoluene	UG/L	N/A	0.500 U	N/A	0.500 U	N/A
3-Nitrotoluene	UG/L	N/A	0.500 U	N/A	0.500 U	N/A
4-Amino-2,6-dinitrotoluene	UG/L	N/A	0.020 U	N/A	0.020 U	N/A
4-Nitrotoluene	UG/L	N/A	0.500 U	N/A	0.500 U	N/A
HMX	UG/L	N/A	1.25 U	N/A	1.25 U	N/A
Nitrobenzene	UG/L	N/A	0.500 U	N/A	0.500 U	N/A
RDX	UG/L	N/A	0.500 U	N/A	0.500 U	N/A
Tetryl	UG/L	N/A	0.500 U	N/A	0.500 U	N/A
<u>MIREX</u>						
Mirex	UG/L	62.0 UJ	55.0 U	N/A	55.6 U	N/A

DATA AND FREQUENCY SUMMARY
 OPERABLE UNIT NO. 4 (SITES 41,69, AND 74)
 QUALITY ASSURANCE / QUALITY CONTROL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	69-TB-03	69-TB-05	69-TB-06	69-TB-07	69-TB-08	69-TB-09
Laboratory Sample ID:	9401040-04A	9401042-04A	9401053-05A	9401052-06A	9401081-03A	9401117-06A
Date Sampled:	01/08/94	01/08/94	01/10/94	01/10/94	01/11/94	01/21/94

	UNITS					
SEMIVOLATILES						
1,2-Dichlorobenzene	UG/L	N/A	N/A	N/A	N/A	N/A
1,2,4-Trichlorobenzene	UG/L	N/A	N/A	N/A	N/A	N/A
1,3-Dichlorobenzene	UG/L	N/A	N/A	N/A	N/A	N/A
1,4-Dichlorobenzene	UG/L	N/A	N/A	N/A	N/A	N/A
2-Chloronaphthalene	UG/L	N/A	N/A	N/A	N/A	N/A
2-Chlorophenol	UG/L	N/A	N/A	N/A	N/A	N/A
2-Methylnaphthalene	UG/L	N/A	N/A	N/A	N/A	N/A
2-Methylphenol	UG/L	N/A	N/A	N/A	N/A	N/A
2-Nitroaniline	UG/L	N/A	N/A	N/A	N/A	N/A
2-Nitrophenol	UG/L	N/A	N/A	N/A	N/A	N/A
2,2'-oxybis-(1-chloropropane)	UG/L	N/A	N/A	N/A	N/A	N/A
2,4-Dichlorophenol	UG/L	N/A	N/A	N/A	N/A	N/A
2,4-Dimethylphenol	UG/L	N/A	N/A	N/A	N/A	N/A
2,4-Dinitrophenol	UG/L	N/A	N/A	N/A	N/A	N/A
2,4-Dinitrotoluene	UG/L	N/A	N/A	N/A	N/A	N/A
2,4,5-Trichlorophenol	UG/L	N/A	N/A	N/A	N/A	N/A
2,4,6-Trichlorophenol	UG/L	N/A	N/A	N/A	N/A	N/A
2,6-Dinitrotoluene	UG/L	N/A	N/A	N/A	N/A	N/A
3-Nitroaniline	UG/L	N/A	N/A	N/A	N/A	N/A
3,3'-Dichlorobenzidine	UG/L	N/A	N/A	N/A	N/A	N/A
4-Bromophenyl-phenylether	UG/L	N/A	N/A	N/A	N/A	N/A
4-Chloro-3-methylphenol	UG/L	N/A	N/A	N/A	N/A	N/A
4-Chloroaniline	UG/L	N/A	N/A	N/A	N/A	N/A
4-Chlorophenyl phenyl ether	UG/L	N/A	N/A	N/A	N/A	N/A
4-Methylphenol	UG/L	N/A	N/A	N/A	N/A	N/A
4-Nitroaniline	UG/L	N/A	N/A	N/A	N/A	N/A
4-Nitrophenol	UG/L	N/A	N/A	N/A	N/A	N/A
4,6-Dinitro-2-methylphenol	UG/L	N/A	N/A	N/A	N/A	N/A
Acenaphthene	UG/L	N/A	N/A	N/A	N/A	N/A
Acenaphthylene	UG/L	N/A	N/A	N/A	N/A	N/A
Anthracene	UG/L	N/A	N/A	N/A	N/A	N/A
Benzo[a]anthracene	UG/L	N/A	N/A	N/A	N/A	N/A
Benzo[a]pyrene	UG/L	N/A	N/A	N/A	N/A	N/A

DATA AND FREQUENCY SUMMARY
 OPERABLE UNIT NO. 4 (SITES 41,69, AND 74)
 QUALITY ASSURANCE / QUALITY CONTROL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	69-TB-03	69-TB-05	69-TB-06	69-TB-07	69-TB-08	69-TB-09
Laboratory Sample ID:	9401040-04A	9401042-04A	9401053-05A	9401052-06A	9401081-03A	9401117-06A
Date Sampled:	01/08/94	01/08/94	01/10/94	01/10/94	01/11/94	01/21/94

UNITS

SEMIVOLATILES Cont.

Compound	69-TB-03	69-TB-05	69-TB-06	69-TB-07	69-TB-08	69-TB-09
Benzo[b]fluoranthene	UG/L	N/A	N/A	N/A	N/A	N/A
Benzo[g,h,i]perylene	UG/L	N/A	N/A	N/A	N/A	N/A
Benzo[k]fluoranthene	UG/L	N/A	N/A	N/A	N/A	N/A
bis(2-Chloroethoxy) methane	UG/L	N/A	N/A	N/A	N/A	N/A
bis(2-Chloroethyl) ether	UG/L	N/A	N/A	N/A	N/A	N/A
bis(2-Ethylhexyl)phthalate	UG/L	N/A	N/A	N/A	N/A	N/A
Butyl benzyl phthalate	UG/L	N/A	N/A	N/A	N/A	N/A
Carbazole	UG/L	N/A	N/A	N/A	N/A	N/A
Chrysene	UG/L	N/A	N/A	N/A	N/A	N/A
Dibenzofuran	UG/L	N/A	N/A	N/A	N/A	N/A
Dibenz[a,h]anthracene	UG/L	N/A	N/A	N/A	N/A	N/A
Diethylphthalate	UG/L	N/A	N/A	N/A	N/A	N/A
Dimethyl phthalate	UG/L	N/A	N/A	N/A	N/A	N/A
di-n-Butylphthalate	UG/L	N/A	N/A	N/A	N/A	N/A
di-n-Octylphthalate	UG/L	N/A	N/A	N/A	N/A	N/A
Fluoranthene	UG/L	N/A	N/A	N/A	N/A	N/A
Fluorene	UG/L	N/A	N/A	N/A	N/A	N/A
Hexachlorobenzene	UG/L	N/A	N/A	N/A	N/A	N/A
Hexachlorobutadiene	UG/L	N/A	N/A	N/A	N/A	N/A
Hexachlorocyclopentadiene	UG/L	N/A	N/A	N/A	N/A	N/A
Hexachloroethane	UG/L	N/A	N/A	N/A	N/A	N/A
Indeno[1,2,3-cd]pyrene	UG/L	N/A	N/A	N/A	N/A	N/A
Isophorone	UG/L	N/A	N/A	N/A	N/A	N/A
Naphthalene	UG/L	N/A	N/A	N/A	N/A	N/A
Nitrobenzene	UG/L	N/A	N/A	N/A	N/A	N/A
N-Nitroso-di-n-propylamine	UG/L	N/A	N/A	N/A	N/A	N/A
N-nitrosodiphenylamine	UG/L	N/A	N/A	N/A	N/A	N/A
Pentachlorophenol	UG/L	N/A	N/A	N/A	N/A	N/A
Phenanthrene	UG/L	N/A	N/A	N/A	N/A	N/A
Phenol	UG/L	N/A	N/A	N/A	N/A	N/A
Pyrene	UG/L	N/A	N/A	N/A	N/A	N/A

DATA AND FREQUENCY SUMMARY
 OPERABLE UNIT NO. 4 (SITES 41,69, AND 74)
 QUALITY ASSURANCE / QUALITY CONTROL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	69-TB-03	69-TB-05	69-TB-06	69-TB-07	69-TB-08	69-TB-09
Laboratory Sample ID:	9401040-04A	9401042-04A	9401053-05A	9401052-06A	9401081-03A	9401117-06A
Date Sampled:	01/08/94	01/08/94	01/10/94	01/10/94	01/11/94	01/21/94

UNITS

VOLATILES

Chloromethane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Bromomethane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Vinyl chloride	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Chloroethane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Methylene chloride	UG/L	10.00 U	10.00 U	1.00 J	10.0 U	11.0 U	10.00 U
Acetone	UG/L	10.0 U	10.00 U	10.0 U	10.0 U	14.0 U	19.0 J
Carbon Disulfide	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
1,1-Dichloroethene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
1,1-Dichloroethane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
1,2-Dichloroethene(total)	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Chloroform	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
1,2-Dichloroethane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
2-Butanone	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
1,1,1-Trichloroethane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Carbon tetrachloride	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Bromodichloromethane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
1,2-Dichloropropane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
cis-1,3-Dichloropropene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Trichloroethene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Dibromochloromethane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
1,1,2-Trichloroethane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Benzene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
trans-1,3-Dichloropropene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Bromoform	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
4-Methyl-2-pentanone	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
2-Hexanone	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Tetrachloroethene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
1,1,2,2-Tetrachloroethane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Toluene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Chlorobenzene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Ethylbenzene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Styrene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Xylenes (total)	UG/L	10.0 U	10.0 U	4.00 J	10.0 U	10.0 U	10.0 U

DATA AND FREQUENCY SUMMARY
 OPERABLE UNIT NO. 4 (SITES 41, 69, AND 74)
 QUALITY ASSURANCE / QUALITY CONTROL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	69-TB-03	69-TB-05	69-TB-06	69-TB-07	69-TB-08	69-TB-09
Laboratory Sample ID:	9401040-04A	9401042-04A	9401053-05A	9401052-06A	9401081-03A	9401117-06A
Date Sampled:	01/08/94	01/08/94	01/10/94	01/10/94	01/11/94	01/21/94
	UNITS					
<u>PESTICIDE/PCBS</u>						
alpha-BHC	UG/L	N/A	N/A	N/A	N/A	N/A
beta-BHC	UG/L	N/A	N/A	N/A	N/A	N/A
delta-BHC	UG/L	N/A	N/A	N/A	N/A	N/A
Lindane (gamma-BHC)	UG/L	N/A	N/A	N/A	N/A	N/A
Heptachlor	UG/L	N/A	N/A	N/A	N/A	N/A
Aldrin	UG/L	N/A	N/A	N/A	N/A	N/A
Heptachlor epoxide	UG/L	N/A	N/A	N/A	N/A	N/A
Endosulfan I	UG/L	N/A	N/A	N/A	N/A	N/A
Dieldrin	UG/L	N/A	N/A	N/A	N/A	N/A
4,4'-DDE	UG/L	N/A	N/A	N/A	N/A	N/A
Endrin	UG/L	N/A	N/A	N/A	N/A	N/A
Endosulfan II	UG/L	N/A	N/A	N/A	N/A	N/A
4,4'-DDD	UG/L	N/A	N/A	N/A	N/A	N/A
Endosulfan sulfate	UG/L	N/A	N/A	N/A	N/A	N/A
4,4'-DDT	UG/L	N/A	N/A	N/A	N/A	N/A
Methoxychlor	UG/L	N/A	N/A	N/A	N/A	N/A
Endrin ketone	UG/L	N/A	N/A	N/A	N/A	N/A
Endrin aldehyde	UG/L	N/A	N/A	N/A	N/A	N/A
alpha-Chlordane	UG/L	N/A	N/A	N/A	N/A	N/A
gamma-Chlordane	UG/L	N/A	N/A	N/A	N/A	N/A
Toxaphene	UG/L	N/A	N/A	N/A	N/A	N/A
Aroclor 1016	UG/L	N/A	N/A	N/A	N/A	N/A
Aroclor 1221	UG/L	N/A	N/A	N/A	N/A	N/A
Aroclor 1232	UG/L	N/A	N/A	N/A	N/A	N/A
Aroclor 1242	UG/L	N/A	N/A	N/A	N/A	N/A
Aroclor 1248	UG/L	N/A	N/A	N/A	N/A	N/A
Aroclor 1254	UG/L	N/A	N/A	N/A	N/A	N/A
Aroclor 1260	UG/L	N/A	N/A	N/A	N/A	N/A

DATA AND FREQUENCY SUMMARY
 OPERABLE UNIT NO. 4 (SITES 41,69, AND 74)
 QUALITY ASSURANCE / QUALITY CONTROL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	69-TB-03	69-TB-05	69-TB-06	69-TB-07	69-TB-08	69-TB-09
Laboratory Sample ID:	9401040-04A	9401042-04A	9401053-05A	9401052-06A	9401081-03A	9401117-06A
Date Sampled:	01/08/94	01/08/94	01/10/94	01/10/94	01/11/94	01/21/94
	<u>UNITS</u>					
<u>CHEMICAL SURETY</u>						
Acetophenone	UG/L	N/A	N/A	N/A	N/A	N/A
Chloroacetophenone	UG/L	N/A	N/A	N/A	N/A	N/A
Hydroxyacetophenone	UG/L	N/A	N/A	N/A	N/A	N/A
Bis(2'-chloroethyl)disulfide	UG/L	N/A	N/A	N/A	N/A	N/A
Bis(2'-chloroethyl)trisulfide	UG/L	N/A	N/A	N/A	N/A	N/A
1,4-Dithiane	UG/L	N/A	N/A	N/A	N/A	N/A
1,4-Oxathiane	UG/L	N/A	N/A	N/A	N/A	N/A
<u>THIODIGLYCOL</u>						
Thiodiglycol	UG/L	N/A	N/A	N/A	N/A	N/A
<u>ORDNANCE</u>						
1,3,5-Trinitrobenzene	UG/L	N/A	N/A	N/A	N/A	N/A
1,3-Dinitrobenzene	UG/L	N/A	N/A	N/A	N/A	N/A
2,4,6-Trinitrotoluene	UG/L	N/A	N/A	N/A	N/A	N/A
2,4-Dinitrotoluene	UG/L	N/A	N/A	N/A	N/A	N/A
2,6-Dinitrotoluene	UG/L	N/A	N/A	N/A	N/A	N/A
2-Amino-4,6-dinitrotoluene	UG/L	N/A	N/A	N/A	N/A	N/A
2-Nitrotoluene	UG/L	N/A	N/A	N/A	N/A	N/A
3-Nitrotoluene	UG/L	N/A	N/A	N/A	N/A	N/A
4-Amino-2,6-dinitrotoluene	UG/L	N/A	N/A	N/A	N/A	N/A
4-Nitrotoluene	UG/L	N/A	N/A	N/A	N/A	N/A
HMX	UG/L	N/A	N/A	N/A	N/A	N/A
Nitrobenzene	UG/L	N/A	N/A	N/A	N/A	N/A
RDX	UG/L	N/A	N/A	N/A	N/A	N/A
Tetryl	UG/L	N/A	N/A	N/A	N/A	N/A
<u>MIREX</u>						
Mirex	UG/L	N/A	N/A	N/A	N/A	N/A

DATA AND FREQUENCY SUMMARY
 OPERABLE UNIT NO. 4 (SITES 41,69, AND 74)
 QUALITY ASSURANCE / QUALITY CONTROL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	69-TB-10	69-TB-11	69-TB-12	69-RS-01	69-RS-03	69-RS-05
Laboratory Sample ID:	9401118-05A	9401130-08A	9402153-08	9401025-06A	9401117-05A	9401128-04A
Date Sampled:	01/22/94	01/23/94	02/18/94	01/06/94	01/21/94	01/23/94

		UNITS				
SEMIVOLATILES						
1,2-Dichlorobenzene	UG/L	N/A	N/A	N/A	10.0 U	11.1 U 11.0 U
1,2,4-Trichlorobenzene	UG/L	N/A	N/A	N/A	10.0 U	11.1 U 11.0 U
1,3-Dichlorobenzene	UG/L	N/A	N/A	N/A	10.0 U	11.1 U 11.0 U
1,4-Dichlorobenzene	UG/L	N/A	N/A	N/A	10.0 U	11.1 U 11.0 U
2-Chloronaphthalene	UG/L	N/A	N/A	N/A	10.0 U	11.1 U 11.0 U
2-Chlorophenol	UG/L	N/A	N/A	N/A	10.0 U	11.1 U 11.0 U
2-Methylnaphthalene	UG/L	N/A	N/A	N/A	10.0 U	11.1 U 11.0 U
2-Methylphenol	UG/L	N/A	N/A	N/A	10.0 U	11.1 U 11.0 U
2-Nitroaniline	UG/L	N/A	N/A	N/A	25.0 U	27.8 U 27.5 U
2-Nitrophenol	UG/L	N/A	N/A	N/A	10.0 U	11.1 U 11.0 U
2,2'-oxybis-(1-chloropropane)	UG/L	N/A	N/A	N/A	10.0 U	11.1 U 11.0 U
2,4-Dichlorophenol	UG/L	N/A	N/A	N/A	10.0 U	11.1 U 11.0 U
2,4-Dimethylphenol	UG/L	N/A	N/A	N/A	10.0 U	11.1 U 11.0 U
2,4-Dinitrophenol	UG/L	N/A	N/A	N/A	25.0 U	27.8 U 27.5 U
2,4-Dinitrotoluene	UG/L	N/A	N/A	N/A	10.0 U	11.1 U 11.0 U
2,4,5-Trichlorophenol	UG/L	N/A	N/A	N/A	25.0 U	27.8 U 27.5 U
2,4,6-Trichlorophenol	UG/L	N/A	N/A	N/A	10.0 U	11.1 U 11.0 U
2,6-Dinitrotoluene	UG/L	N/A	N/A	N/A	10.0 U	11.1 U 11.0 U
3-Nitroaniline	UG/L	N/A	N/A	N/A	25.0 U	27.8 U 27.5 U
3,3'-Dichlorobenzidine	UG/L	N/A	N/A	N/A	10.0 U	11.1 U 11.0 U
4-Bromophenyl-phenylether	UG/L	N/A	N/A	N/A	10.0 U	11.1 U 11.0 U
4-Chloro-3-methylphenol	UG/L	N/A	N/A	N/A	10.0 U	11.1 U 11.0 U
4-Chloroaniline	UG/L	N/A	N/A	N/A	10.0 U	11.1 U 11.0 U
4-Chlorophenyl phenyl ether	UG/L	N/A	N/A	N/A	10.0 U	11.1 U 11.0 U
4-Methylphenol	UG/L	N/A	N/A	N/A	10.0 U	11.1 U 11.0 U
4-Nitroaniline	UG/L	N/A	N/A	N/A	25.0 U	27.8 U 27.5 U
4-Nitrophenol	UG/L	N/A	N/A	N/A	25.0 U	27.8 U 27.5 U
4,6-Dinitro-2-methylphenol	UG/L	N/A	N/A	N/A	25.0 U	27.8 U 27.5 U
Acenaphthene	UG/L	N/A	N/A	N/A	10.0 U	11.1 U 11.0 U
Acenaphthylene	UG/L	N/A	N/A	N/A	10.0 U	11.1 U 11.0 U
Anthracene	UG/L	N/A	N/A	N/A	10.0 U	11.1 U 11.0 U
Benzo[a]anthracene	UG/L	N/A	N/A	N/A	10.0 U	11.1 U 11.0 U
Benzo[a]pyrene	UG/L	N/A	N/A	N/A	10.0 U	11.1 U 11.0 U

DATA AND FREQUENCY SUMMARY
 OPERABLE UNIT NO. 4 (SITES 41,69, AND 74)
 QUALITY ASSURANCE / QUALITY CONTROL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	69-TB-10	69-TB-11	69-TB-12	69-RS-01	69-RS-03	69-RS-05
Laboratory Sample ID:	9401118-05A	9401130-08A	9402153-08	9401025-06A	9401117-05A	9401128-04A
Date Sampled:	01/22/94	01/23/94	02/18/94	01/06/94	01/21/94	01/23/94

UNITS

SEMIVOLATILES Cont.

	69-TB-10	69-TB-11	69-TB-12	69-RS-01	69-RS-03	69-RS-05
Benzo[b]fluoranthene	UG/L	N/A	N/A	N/A	10.0 U	11.0 U
Benzo[g,h,i]perylene	UG/L	N/A	N/A	N/A	10.0 U	11.0 U
Benzo[k]fluoranthene	UG/L	N/A	N/A	N/A	10.0 U	11.0 U
bis(2-Chloroethoxy) methane	UG/L	N/A	N/A	N/A	10.0 U	11.0 U
bis(2-Chloroethyl) ether	UG/L	N/A	N/A	N/A	10.0 U	11.0 U
bis(2-Ethylhexyl)phthalate	UG/L	N/A	N/A	N/A	10.0 U	11.0 U
Butyl benzyl phthalate	UG/L	N/A	N/A	N/A	10.0 U	11.0 U
Carbazole	UG/L	N/A	N/A	N/A	10.0 U	11.0 U
Chrysene	UG/L	N/A	N/A	N/A	10.0 U	11.0 U
Dibenzofuran	UG/L	N/A	N/A	N/A	10.0 U	11.0 U
Dibenz[a,h]anthracene	UG/L	N/A	N/A	N/A	10.0 U	11.0 U
Diethylphthalate	UG/L	N/A	N/A	N/A	10.0 U	11.0 U
Dimethyl phthalate	UG/L	N/A	N/A	N/A	10.0 U	11.0 U
di-n-Butylphthalate	UG/L	N/A	N/A	N/A	10.0 U	1.00 J
di-n-Octylphthalate	UG/L	N/A	N/A	N/A	10.0 U	11.0 U
Fluoranthene	UG/L	N/A	N/A	N/A	10.0 U	11.0 U
Fluorene	UG/L	N/A	N/A	N/A	10.0 U	11.0 U
Hexachlorobenzene	UG/L	N/A	N/A	N/A	10.0 U	11.0 U
Hexachlorobutadiene	UG/L	N/A	N/A	N/A	10.0 U	11.0 U
Hexachlorocyclopentadiene	UG/L	N/A	N/A	N/A	10.0 U	11.0 UJ
Hexachloroethane	UG/L	N/A	N/A	N/A	10.0 U	11.0 U
Indeno[1,2,3-cd]pyrene	UG/L	N/A	N/A	N/A	10.0 U	11.0 U
isophorone	UG/L	N/A	N/A	N/A	10.0 U	11.0 U
Naphthalene	UG/L	N/A	N/A	N/A	10.0 U	11.0 U
Nitrobenzene	UG/L	N/A	N/A	N/A	10.0 U	11.0 U
N-Nitroso-di-n-propylamine	UG/L	N/A	N/A	N/A	10.0 U	11.0 U
N-nitrosodiphenylamine	UG/L	N/A	N/A	N/A	10.0 U	11.0 U
Pentachlorophenol	UG/L	N/A	N/A	N/A	25.0 U	27.5 U
Phenanthrene	UG/L	N/A	N/A	N/A	10.0 U	11.0 U
Phenol	UG/L	N/A	N/A	N/A	10.0 U	11.0 U
Pyrene	UG/L	N/A	N/A	N/A	10.0 U	11.0 U

DATA AND FREQUENCY SUMMARY
 OPERABLE UNIT NO. 4 (SITES 41, 69, AND 74)
 QUALITY ASSURANCE / QUALITY CONTROL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	69-TB-10	69-TB-11	69-TB-12	69-RS-01	69-RS-03	69-RS-05
Laboratory Sample ID:	9401118-05A	9401130-08A	9402153-08	9401025-06A	9401117-05A	9401128-04A
Date Sampled:	01/22/94	01/23/94	02/18/94	01/06/94	01/21/94	01/23/94

	UNITS					
VOLATILES						
Chloromethane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Bromomethane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Vinyl chloride	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Chloroethane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Methylene chloride	UG/L	10.00 U	10.00 U	10.00 U	10.00 U	16.0 U
Acetone	UG/L	10.00 U	10.00 U	10.0 U	10.0 U	190.0 J
Carbon Disulfide	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
1,1-Dichloroethene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
1,1-Dichloroethane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
1,2-Dichloroethene(total)	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Chloroform	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
1,2-Dichloroethane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
2-Butanone	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
1,1,1-Trichloroethane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Carbon tetrachloride	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Bromodichloromethane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
1,2-Dichloropropane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
cis-1,3-Dichloropropene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Trichloroethene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Dibromochloromethane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
1,1,2-Trichloroethane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Benzene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
trans-1,3-Dichloropropene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Bromoform	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
4-Methyl-2-pentanone	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
2-Hexanone	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Tetrachloroethene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
1,1,2,2-Tetrachloroethane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Toluene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Chlorobenzene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Ethylbenzene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Styrene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Xylenes (total)	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U

DATA AND FREQUENCY SUMMARY
 OPERABLE UNIT NO. 4 (SITES 41,69, AND 74)
 QUALITY ASSURANCE / QUALITY CONTROL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	69-TB-10	69-TB-11	69-TB-12	69-RS-01	69-RS-03	69-RS-05
Laboratory Sample ID:	9401118-05A	9401130-08A	9402153-08	9401025-06A	9401117-05A	9401128-04A
Date Sampled:	01/22/94	01/23/94	02/18/94	01/06/94	01/21/94	01/23/94

	UNITS						
PESTICIDE/PCBS							
alpha-BHC	UG/L	N/A	N/A	N/A	0.058 U	0.055 UJ	0.050 U
beta-BHC	UG/L	N/A	N/A	N/A	0.058 U	0.055 U	0.050 U
delta-BHC	UG/L	N/A	N/A	N/A	0.058 UJ	0.055 UJ	0.050 U
Lindane (gamma-BHC)	UG/L	N/A	N/A	N/A	0.058 U	0.055 U	0.050 U
Heptachlor	UG/L	N/A	N/A	N/A	0.058 U	0.055 U	0.010 J
Aldrin	UG/L	N/A	N/A	N/A	0.058 U	0.055 U	0.050 U
Heptachlor epoxide	UG/L	N/A	N/A	N/A	0.058 U	0.055 U	0.050 U
Endosulfan I	UG/L	N/A	N/A	N/A	0.058 U	0.055 U	0.050 U
Dieldrin	UG/L	N/A	N/A	N/A	0.116 U	0.110 U	0.100 U
4,4'-DDE	UG/L	N/A	N/A	N/A	0.116 U	0.110 U	0.100 U
Endrin	UG/L	N/A	N/A	N/A	0.116 U	0.110 U	0.100 U
Endosulfan II	UG/L	N/A	N/A	N/A	0.116 U	0.110 U	0.100 U
4,4'-DDD	UG/L	N/A	N/A	N/A	0.116 U	0.110 U	0.100 U
Endosulfan sulfate	UG/L	N/A	N/A	N/A	0.116 U	0.110 U	0.100 U
4,4'-DDT	UG/L	N/A	N/A	N/A	0.116 U	0.110 U	0.100 U
Methoxychlor	UG/L	N/A	N/A	N/A	0.580 U	0.550 U	0.500 U
Endrin ketone	UG/L	N/A	N/A	N/A	0.116 UJ	0.110 U	0.100 U
Endrin aldehyde	UG/L	N/A	N/A	N/A	0.116 U	0.110 U	0.100 U
alpha-Chlordane	UG/L	N/A	N/A	N/A	0.058 UJ	0.055 U	0.050 U
gamma-Chlordane	UG/L	N/A	N/A	N/A	0.058 U	0.055 U	0.050 U
Toxaphene	UG/L	N/A	N/A	N/A	5.80 U	5.50 U	5.00 U
Aroclor 1016	UG/L	N/A	N/A	N/A	1.16 U	1.10 U	1.00 U
Aroclor 1221	UG/L	N/A	N/A	N/A	2.32 U	2.20 U	2.00 U
Aroclor 1232	UG/L	N/A	N/A	N/A	1.16 U	1.10 U	1.00 U
Aroclor 1242	UG/L	N/A	N/A	N/A	1.16 U	1.10 U	1.00 U
Aroclor 1248	UG/L	N/A	N/A	N/A	1.16 U	1.10 U	1.00 U
Aroclor 1254	UG/L	N/A	N/A	N/A	1.16 U	1.10 U	1.00 U
Aroclor 1260	UG/L	N/A	N/A	N/A	1.16 U	1.10 U	1.00 U

DATA AND FREQUENCY SUMMARY
 OPERABLE UNIT NO. 4 (SITES 41,69, AND 74)
 QUALITY ASSURANCE / QUALITY CONTROL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	69-TB-10	69-TB-11	69-TB-12	69-RS-01	69-RS-03	69-RS-05
Laboratory Sample ID:	9401118-05A	9401130-08A	9402153-08	9401025-06A	9401117-05A	9401128-04A
Date Sampled:	01/22/94	01/23/94	02/18/94	01/06/94	01/21/94	01/23/94
UNITS						
CHEMICAL SURETY						
Acetophenone	UG/L	N/A	N/A	N/A	10.0 U	11.0 U
Chloroacetophenone	UG/L	N/A	N/A	N/A	10.0 U	11.0 U
Hydroxyacetophenone	UG/L	N/A	N/A	N/A	50.0 U	55.0 U
Bis(2'-chloroethyl)disulfide	UG/L	N/A	N/A	N/A	50.0 U	55.0 U
Bis(2'-chloroethyl)trisulfide	UG/L	N/A	N/A	N/A	50.0 U	55.0 U
1,4-Dithiane	UG/L	N/A	N/A	N/A	10.0 U	11.0 U
1,4-Oxathiane	UG/L	N/A	N/A	N/A	10.0 U	11.0 U
THIODIGLYCOL						
Thiodiglycol	UG/L	N/A	N/A	N/A	25.0 U	25.0 U
ORDNANCE						
1,3,5-Trinitrobenzene	UG/L	N/A	N/A	N/A	N/A	N/A
1,3-Dinitrobenzene	UG/L	N/A	N/A	N/A	N/A	N/A
2,4,6-Trinitrotoluene	UG/L	N/A	N/A	N/A	N/A	N/A
2,4-Dinitrotoluene	UG/L	N/A	N/A	N/A	N/A	N/A
2,6-Dinitrotoluene	UG/L	N/A	N/A	N/A	N/A	N/A
2-Amino-4,6-dinitrotoluene	UG/L	N/A	N/A	N/A	N/A	N/A
2-Nitrotoluene	UG/L	N/A	N/A	N/A	N/A	N/A
3-Nitrotoluene	UG/L	N/A	N/A	N/A	N/A	N/A
4-Amino-2,6-dinitrotoluene	UG/L	N/A	N/A	N/A	N/A	N/A
4-Nitrotoluene	UG/L	N/A	N/A	N/A	N/A	N/A
HMX	UG/L	N/A	N/A	N/A	N/A	N/A
Nitrobenzene	UG/L	N/A	N/A	N/A	N/A	N/A
RDX	UG/L	N/A	N/A	N/A	N/A	N/A
Tetryl	UG/L	N/A	N/A	N/A	N/A	N/A
MIREX						
Mirex	UG/L	N/A	N/A	N/A	N/A	N/A

DATA AND FREQUENCY SUMMARY
 OPERABLE UNIT NO. 4 (SITES 41,69, AND 74)
 QUALITY ASSURANCE / QUALITY CONTROL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	69-RS-06	69-FB-01	69-FB-02	74-TB-01	74-TB-02	74-TB-03
Laboratory Sample ID:	9402150-03	9401036-05A	9401036-06A	9401066-03	9401079-01	9401101-05
Date Sampled:	02/18/94	01/06/94	01/06/94	01/11/94	01/12/94	01/18/94

	UNITS						
<u>SEMIVOLATILES</u>							
1,2-Dichlorobenzene	UG/L	10.3 U	10.0 U	10.0 U	N/A	N/A	N/A
1,2,4-Trichlorobenzene	UG/L	10.3 U	10.0 U	10.0 U	N/A	N/A	N/A
1,3-Dichlorobenzene	UG/L	10.3 U	10.0 U	10.0 U	N/A	N/A	N/A
1,4-Dichlorobenzene	UG/L	10.3 U	10.0 U	10.0 U	N/A	N/A	N/A
2-Chloronaphthalene	UG/L	10.3 U	10.0 U	10.0 U	N/A	N/A	N/A
2-Chlorophenol	UG/L	10.3 U	10.0 U	10.0 U	N/A	N/A	N/A
2-Methylnaphthalene	UG/L	10.3 U	10.0 U	10.0 U	N/A	N/A	N/A
2-Methylphenol	UG/L	10.3 U	10.0 U	10.0 U	N/A	N/A	N/A
2-Nitroaniline	UG/L	25.8 U	25.0 U	25.0 U	N/A	N/A	N/A
2-Nitrophenol	UG/L	10.3 U	10.0 U	10.0 U	N/A	N/A	N/A
2,2'-oxybis-(1-chloropropane)	UG/L	10.3 U	10.0 U	10.0 U	N/A	N/A	N/A
2,4-Dichlorophenol	UG/L	10.3 U	10.0 U	10.0 U	N/A	N/A	N/A
2,4-Dimethylphenol	UG/L	10.3 U	10.0 U	10.0 U	N/A	N/A	N/A
2,4-Dinitrophenol	UG/L	25.8 U	25.0 U	25.0 U	N/A	N/A	N/A
2,4-Dinitrotoluene	UG/L	10.3 U	10.0 U	10.0 U	N/A	N/A	N/A
2,4,5-Trichlorophenol	UG/L	25.8 U	25.0 U	25.0 U	N/A	N/A	N/A
2,4,6-Trichlorophenol	UG/L	10.3 U	10.0 U	10.0 U	N/A	N/A	N/A
2,6-Dinitrotoluene	UG/L	10.3 U	10.0 U	10.0 U	N/A	N/A	N/A
3-Nitroaniline	UG/L	25.8 U	25.0 U	25.0 U	N/A	N/A	N/A
3,3'-Dichlorobenzidine	UG/L	10.3 U	10.0 U	10.0 U	N/A	N/A	N/A
4-Bromophenyl-phenylether	UG/L	10.3 U	10.0 U	10.0 U	N/A	N/A	N/A
4-Chloro-3-methylphenol	UG/L	10.3 U	10.0 U	10.0 U	N/A	N/A	N/A
4-Chloroaniline	UG/L	10.3 U	10.0 U	10.0 U	N/A	N/A	N/A
4-Chlorophenyl phenyl ether	UG/L	10.3 U	10.0 U	10.0 U	N/A	N/A	N/A
4-Methylphenol	UG/L	10.3 U	10.0 U	10.0 U	N/A	N/A	N/A
4-Nitroaniline	UG/L	25.8 R	25.0 U	25.0 U	N/A	N/A	N/A
4-Nitrophenol	UG/L	25.8 U	25.0 U	25.0 U	N/A	N/A	N/A
4,6-Dinitro-2-methylphenol	UG/L	25.8 U	25.0 U	25.0 U	N/A	N/A	N/A
Acenaphthene	UG/L	10.3 U	10.0 U	10.0 U	N/A	N/A	N/A
Acenaphthylene	UG/L	10.3 U	10.0 U	10.0 U	N/A	N/A	N/A
Anthracene	UG/L	10.3 U	10.0 U	10.0 U	N/A	N/A	N/A
Benzo[<i>a</i>]anthracene	UG/L	10.3 U	10.0 U	10.0 U	N/A	N/A	N/A
Benzo[<i>a</i>]pyrene	UG/L	10.3 U	10.0 U	10.0 U	N/A	N/A	N/A

DATA AND FREQUENCY SUMMARY
 OPERABLE UNIT NO. 4 (SITES 41,69, AND 74)
 QUALITY ASSURANCE / QUALITY CONTROL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	69-RS-06	69-FB-01	69-FB-02	74-TB-01	74-TB-02	74-TB-03
Laboratory Sample ID:	9402150-03	9401036-05A	9401036-06A	9401066-03	9401079-01	9401101-05
Date Sampled:	02/18/94	01/06/94	01/06/94	01/11/94	01/12/94	01/18/94

UNITS

SEMIVOLATILES Cont.

Compound	69-RS-06	69-FB-01	69-FB-02	74-TB-01	74-TB-02	74-TB-03
Benzo[b]fluoranthene	UG/L 10.3 U	10.0 U	10.0 U	N/A	N/A	N/A
Benzo[g,h,i]perylene	UG/L 10.3 U	10.0 U	10.0 U	N/A	N/A	N/A
Benzo[k]fluoranthene	UG/L 10.3 U	10.0 U	10.0 U	N/A	N/A	N/A
bis(2-Chloroethoxy) methane	UG/L 10.3 U	10.0 U	10.0 U	N/A	N/A	N/A
bis(2-Chloroethyl) ether	UG/L 10.3 U	10.0 U	10.0 U	N/A	N/A	N/A
bis(2-Ethylhexyl)phthalate	UG/L 10.3 U	4.00 J	10.0 U	N/A	N/A	N/A
Butyl benzyl phthalate	UG/L 10.3 U	10.0 U	10.0 U	N/A	N/A	N/A
Carbazole	UG/L 10.3 U	10.0 U	10.0 U	N/A	N/A	N/A
Chrysene	UG/L 10.3 U	10.0 U	10.0 U	N/A	N/A	N/A
Dibenzofuran	UG/L 10.3 U	10.0 U	10.0 U	N/A	N/A	N/A
Dibenz[a,h]anthracene	UG/L 10.3 U	10.0 U	10.0 U	N/A	N/A	N/A
Diethylphthalate	UG/L 10.3 U	10.0 U	10.0 U	N/A	N/A	N/A
Dimethyl phthalate	UG/L 10.3 U	10.0 U	10.0 U	N/A	N/A	N/A
di-n-Butylphthalate	UG/L 10.3 U	10.0 U	10.0 U	N/A	N/A	N/A
di-n-Octylphthalate	UG/L 10.3 U	10.0 U	10.0 U	N/A	N/A	N/A
Fluoranthene	UG/L 10.3 U	10.0 U	10.0 U	N/A	N/A	N/A
Fluorene	UG/L 10.3 U	10.0 U	10.0 U	N/A	N/A	N/A
Hexachlorobenzene	UG/L 10.3 U	10.0 U	10.0 U	N/A	N/A	N/A
Hexachlorobutadiene	UG/L 10.3 U	10.0 U	10.0 U	N/A	N/A	N/A
Hexachlorocyclopentadiene	UG/L 10.3 U	10.0 U	10.0 U	N/A	N/A	N/A
Hexachloroethane	UG/L 10.3 U	10.0 U	10.0 U	N/A	N/A	N/A
Indeno[1,2,3-cd]pyrene	UG/L 10.3 U	10.0 U	10.0 U	N/A	N/A	N/A
Isophorone	UG/L 10.3 U	10.0 U	10.0 U	N/A	N/A	N/A
Naphthalene	UG/L 10.3 U	10.0 U	10.0 U	N/A	N/A	N/A
Nitrobenzene	UG/L 10.3 U	10.0 U	10.0 U	N/A	N/A	N/A
N-Nitroso-di-n-propylamine	UG/L 10.3 U	10.0 U	10.0 U	N/A	N/A	N/A
N-nitrosodiphenylamine	UG/L 10.3 U	10.0 U	10.0 U	N/A	N/A	N/A
Pentachlorophenol	UG/L 25.8 U	25.0 U	25.0 U	N/A	N/A	N/A
Phenanthrene	UG/L 10.3 U	10.0 U	10.0 U	N/A	N/A	N/A
Phenol	UG/L 10.3 U	10.0 U	10.0 U	N/A	N/A	N/A
Pyrene	UG/L 10.3 U	10.0 U	10.0 U	N/A	N/A	N/A

DATA AND FREQUENCY SUMMARY
 OPERABLE UNIT NO. 4 (SITES 41,69, AND 74)
 QUALITY ASSURANCE / QUALITY CONTROL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	69-RS-06	69-FB-01	69-FB-02	74-TB-01	74-TB-02	74-TB-03
Laboratory Sample ID:	9402150-03	9401036-05A	9401036-06A	9401066-03	9401079-01	9401101-05
Date Sampled:	02/18/94	01/06/94	01/06/94	01/11/94	01/12/94	01/18/94
	UNITS					
<u>VOLATILES</u>						
Chloromethane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Bromomethane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Vinyl chloride	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Chloroethane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Methylene chloride	UG/L	10.00 U	10.0 U	10.0 U	1.00 J	4.00 J
Acetone	UG/L	10.00 U	10.0 U	10.0 U	10.0 U	10.00 U
Carbon Disulfide	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
1,1-Dichloroethene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
1,1-Dichloroethane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
1,2-Dichloroethene(total)	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Chloroform	UG/L	10.0 U	10.0 J	10.0 U	10.0 U	10.0 U
1,2-Dichloroethane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
2-Butanone	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
1,1,1-Trichloroethane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Carbon tetrachloride	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Bromodichloromethane	UG/L	10.0 U	4.00 J	10.0 U	10.0 U	10.0 U
1,2-Dichloropropane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
cis-1,3-Dichloropropene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Trichloroethene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Dibromochloromethane	UG/L	10.0 U	2.00 J	10.0 U	10.0 U	10.0 U
1,1,2-Trichloroethane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Benzene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
trans-1,3-Dichloropropene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Bromoform	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
4-Methyl-2-pentanone	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
2-Hexanone	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Tetrachloroethene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
1,1,2,2-Tetrachloroethane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Toluene	UG/L	10.0 U	1.00 J	10.0 U	10.0 U	10.0 U
Chlorobenzene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Ethylbenzene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Styrene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Xylenes (total)	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U

DATA AND FREQUENCY SUMMARY
 OPERABLE UNIT NO. 4 (SITES 41, 69, AND 74)
 QUALITY ASSURANCE / QUALITY CONTROL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	69-RS-06	69-FB-01	69-FB-02	74-TB-01	74-TB-02	74-TB-03
Laboratory Sample ID:	9402150-03	9401036-05A	9401036-06A	9401066-03	9401079-01	9401101-05
Date Sampled:	02/18/94	01/06/94	01/06/94	01/11/94	01/12/94	01/18/94

	UNITS					
PESTICIDE/PCBS						
alpha-BHC	UG/L	0.054 UJ	0.050 U	0.056 U	N/A	N/A
beta-BHC	UG/L	0.054 UJ	0.050 U	0.056 U	N/A	N/A
delta-BHC	UG/L	0.054 U	0.050 UJ	0.056 UJ	N/A	N/A
Lindane (gamma-BHC)	UG/L	0.054 U	0.050 U	0.056 U	N/A	N/A
Heptachlor	UG/L	0.020 J	0.050 U	0.056 U	N/A	N/A
Aldrin	UG/L	0.054 U	0.050 U	0.056 U	N/A	N/A
Heptachlor epoxide	UG/L	0.054 U	0.050 U	0.056 U	N/A	N/A
Endosulfan I	UG/L	0.054 U	0.050 U	0.056 U	N/A	N/A
Dieldrin	UG/L	0.109 U	0.101 U	0.113 U	N/A	N/A
4,4'-DDE	UG/L	0.109 U	0.101 U	0.113 U	N/A	N/A
Endrin	UG/L	0.109 U	0.101 U	0.113 U	N/A	N/A
Endosulfan II	UG/L	0.109 U	0.101 U	0.113 U	N/A	N/A
4,4'-DDD	UG/L	0.109 U	0.101 U	0.113 U	N/A	N/A
Endosulfan sulfate	UG/L	0.109 U	0.101 U	0.113 U	N/A	N/A
4,4'-DDT	UG/L	0.109 U	0.101 U	0.113 U	N/A	N/A
Methoxychlor	UG/L	0.543 UJ	0.505 U	0.565 U	N/A	N/A
Endrin ketone	UG/L	0.109 U	0.101 UJ	0.113 UJ	N/A	N/A
Endrin aldehyde	UG/L	0.109 U	0.101 U	0.113 U	N/A	N/A
alpha-Chlordane	UG/L	0.054 U	0.050 UJ	0.056 UJ	N/A	N/A
gamma-Chlordane	UG/L	0.054 U	0.050 U	0.056 U	N/A	N/A
Toxaphene	UG/L	5.43 U	5.05 U	5.65 U	N/A	N/A
Aroclor 1016	UG/L	1.09 U	1.01 U	1.13 U	N/A	N/A
Aroclor 1221	UG/L	2.17 U	2.02 U	2.26 U	N/A	N/A
Aroclor 1232	UG/L	1.09 U	1.01 U	1.13 U	N/A	N/A
Aroclor 1242	UG/L	1.09 U	1.01 U	1.13 U	N/A	N/A
Aroclor 1248	UG/L	1.09 U	1.01 U	1.13 U	N/A	N/A
Aroclor 1254	UG/L	1.09 U	1.01 U	1.13 U	N/A	N/A
Aroclor 1260	UG/L	1.09 U	1.01 U	1.13 U	N/A	N/A

DATA AND FREQUENCY SUMMARY
 OPERABLE UNIT NO. 4 (SITES 41,69, AND 74)
 QUALITY ASSURANCE / QUALITY CONTROL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	69-RS-06	69-FB-01	69-FB-02	74-TB-01	74-TB-02	74-TB-03
Laboratory Sample ID:	9402150-03	9401036-05A	9401036-06A	9401066-03	9401079-01	9401101-05
Date Sampled:	02/18/94	01/06/94	01/06/94	01/11/94	01/12/94	01/18/94

UNITS

CHEMICAL SURETY

Acetophenone	UG/L	10.3 U	10.0 U	10.0 U	N/A	N/A	N/A
Chloroacetophenone	UG/L	10.3 U	10.0 U	10.0 U	N/A	N/A	N/A
Hydroxyacetophenone	UG/L	51.6 U	50.0 U	50.0 U	N/A	N/A	N/A
Bis(2'-chloroethyl)disulfide	UG/L	51.6 U	50.0 U	50.0 U	N/A	N/A	N/A
Bis(2'-chloroethyl)trisulfide	UG/L	51.6 U	50.0 U	50.0 U	N/A	N/A	N/A
1,4-Dithiane	UG/L	10.3 U	10.0 U	10.0 U	N/A	N/A	N/A
1,4-Oxathiane	UG/L	10.3 U	10.0 U	10.0 U	N/A	N/A	N/A

THIODIGLYCOL

Thiodiglycol	UG/L	25.0 U	25.0 U	25.0 U	N/A	N/A	N/A
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ORDNANCE

1,3,5-Trinitrobenzene	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
1,3-Dinitrobenzene	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
2,4,6-Trinitrotoluene	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
2,4-Dinitrotoluene	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
2,6-Dinitrotoluene	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
2-Amino-4,6-dinitrotoluene	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
2-Nitrotoluene	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
3-Nitrotoluene	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
4-Amino-2,6-dinitrotoluene	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
4-Nitrotoluene	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
HMX	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
Nitrobenzene	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
RDX	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
Tetryl	UG/L	N/A	N/A	N/A	N/A	N/A	N/A

MIREX

Mirex	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
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DATA AND FREQUENCY SUMMARY
 OPERABLE UNIT NO. 4 (SITES 41,69, AND 74)
 QUALITY ASSURANCE / QUALITY CONTROL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	74-TB-04	74-TB-05	74-TB-06	74-TB-07	74-TB-08	74-TB-09
Laboratory Sample ID:	9401109-07	9401108-17	9401116-18A	9401121-14A	9401138-18	9401136-04
Date Sampled:	01/19/94	01/20/94	01/21/94	01/22/94	01/24/94	01/24/94

UNITS

SEMIVOLATILES

	74-TB-04	74-TB-05	74-TB-06	74-TB-07	74-TB-08	74-TB-09
1,2-Dichlorobenzene	UG/L	N/A	N/A	N/A	N/A	N/A
1,2,4-Trichlorobenzene	UG/L	N/A	N/A	N/A	N/A	N/A
1,3-Dichlorobenzene	UG/L	N/A	N/A	N/A	N/A	N/A
1,4-Dichlorobenzene	UG/L	N/A	N/A	N/A	N/A	N/A
2-Chloronaphthalene	UG/L	N/A	N/A	N/A	N/A	N/A
2-Chlorophenol	UG/L	N/A	N/A	N/A	N/A	N/A
2-Methylnaphthalene	UG/L	N/A	N/A	N/A	N/A	N/A
2-Methylphenol	UG/L	N/A	N/A	N/A	N/A	N/A
2-Nitroaniline	UG/L	N/A	N/A	N/A	N/A	N/A
2-Nitrophenol	UG/L	N/A	N/A	N/A	N/A	N/A
2,2'-oxybis-(1-chloropropane)	UG/L	N/A	N/A	N/A	N/A	N/A
2,4-Dichlorophenol	UG/L	N/A	N/A	N/A	N/A	N/A
2,4-Dimethylphenol	UG/L	N/A	N/A	N/A	N/A	N/A
2,4-Dinitrophenol	UG/L	N/A	N/A	N/A	N/A	N/A
2,4-Dinitrotoluene	UG/L	N/A	N/A	N/A	N/A	N/A
2,4,5-Trichlorophenol	UG/L	N/A	N/A	N/A	N/A	N/A
2,4,6-Trichlorophenol	UG/L	N/A	N/A	N/A	N/A	N/A
2,6-Dinitrotoluene	UG/L	N/A	N/A	N/A	N/A	N/A
3-Nitroaniline	UG/L	N/A	N/A	N/A	N/A	N/A
3,3'-Dichlorobenzidine	UG/L	N/A	N/A	N/A	N/A	N/A
4-Bromophenyl-phenylether	UG/L	N/A	N/A	N/A	N/A	N/A
4-Chloro-3-methylphenol	UG/L	N/A	N/A	N/A	N/A	N/A
4-Chloroaniline	UG/L	N/A	N/A	N/A	N/A	N/A
4-Chlorophenyl phenyl ether	UG/L	N/A	N/A	N/A	N/A	N/A
4-Methylphenol	UG/L	N/A	N/A	N/A	N/A	N/A
4-Nitroaniline	UG/L	N/A	N/A	N/A	N/A	N/A
4-Nitrophenol	UG/L	N/A	N/A	N/A	N/A	N/A
4,6-Dinitro-2-methylphenol	UG/L	N/A	N/A	N/A	N/A	N/A
Acenaphthene	UG/L	N/A	N/A	N/A	N/A	N/A
Acenaphthylene	UG/L	N/A	N/A	N/A	N/A	N/A
Anthracene	UG/L	N/A	N/A	N/A	N/A	N/A
Benzo[a]anthracene	UG/L	N/A	N/A	N/A	N/A	N/A
Benzo[a]pyrene	UG/L	N/A	N/A	N/A	N/A	N/A

DATA AND FREQUENCY SUMMARY
 OPERABLE UNIT NO. 4 (SITES 41,69, AND 74)
 QUALITY ASSURANCE / QUALITY CONTROL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	74-TB-04	74-TB-05	74-TB-06	74-TB-07	74-TB-08	74-TB-09
Laboratory Sample ID:	9401109-07	9401108-17	9401116-18A	9401121-14A	9401138-18	9401136-04
Date Sampled:	01/19/94	01/20/94	01/21/94	01/22/94	01/24/94	01/24/94

UNITS

SEMIVOLATILES Cont.

	74-TB-04	74-TB-05	74-TB-06	74-TB-07	74-TB-08	74-TB-09
Benzo[b]fluoranthene	UG/L	N/A	N/A	N/A	N/A	N/A
Benzo[g,h,i]perylene	UG/L	N/A	N/A	N/A	N/A	N/A
Benzo[k]fluoranthene	UG/L	N/A	N/A	N/A	N/A	N/A
bis(2-Chloroethoxy) methane	UG/L	N/A	N/A	N/A	N/A	N/A
bis(2-Chloroethyl) ether	UG/L	N/A	N/A	N/A	N/A	N/A
bis(2-Ethylhexyl)phthalate	UG/L	N/A	N/A	N/A	N/A	N/A
Butyl benzyl phthalate	UG/L	N/A	N/A	N/A	N/A	N/A
Carbazole	UG/L	N/A	N/A	N/A	N/A	N/A
Chrysene	UG/L	N/A	N/A	N/A	N/A	N/A
Dibenzofuran	UG/L	N/A	N/A	N/A	N/A	N/A
Dibenz[a,h]anthracene	UG/L	N/A	N/A	N/A	N/A	N/A
Diethylphthalate	UG/L	N/A	N/A	N/A	N/A	N/A
Dimethyl phthalate	UG/L	N/A	N/A	N/A	N/A	N/A
di-n-Butylphthalate	UG/L	N/A	N/A	N/A	N/A	N/A
di-n-Octylphthalate	UG/L	N/A	N/A	N/A	N/A	N/A
Fluoranthene	UG/L	N/A	N/A	N/A	N/A	N/A
Fluorene	UG/L	N/A	N/A	N/A	N/A	N/A
Hexachlorobenzene	UG/L	N/A	N/A	N/A	N/A	N/A
Hexachlorobutadiene	UG/L	N/A	N/A	N/A	N/A	N/A
Hexachlorocyclopentadiene	UG/L	N/A	N/A	N/A	N/A	N/A
Hexachloroethane	UG/L	N/A	N/A	N/A	N/A	N/A
Indeno[1,2,3-cd]pyrene	UG/L	N/A	N/A	N/A	N/A	N/A
Isophorone	UG/L	N/A	N/A	N/A	N/A	N/A
Naphthalene	UG/L	N/A	N/A	N/A	N/A	N/A
Nitrobenzene	UG/L	N/A	N/A	N/A	N/A	N/A
N-Nitroso-di-n-propylamine	UG/L	N/A	N/A	N/A	N/A	N/A
N-nitrosodiphenylamine	UG/L	N/A	N/A	N/A	N/A	N/A
Pentachlorophenol	UG/L	N/A	N/A	N/A	N/A	N/A
Phenanthrene	UG/L	N/A	N/A	N/A	N/A	N/A
Phenol	UG/L	N/A	N/A	N/A	N/A	N/A
Pyrene	UG/L	N/A	N/A	N/A	N/A	N/A

DATA AND FREQUENCY SUMMARY
 OPERABLE UNIT NO. 4 (SITES 41,69, AND 74)
 QUALITY ASSURANCE / QUALITY CONTROL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	74-TB-04	74-TB-05	74-TB-06	74-TB-07	74-TB-08	74-TB-09
Laboratory Sample ID:	9401109-07	9401108-17	9401116-18A	9401121-14A	9401138-18	9401136-04
Date Sampled:	01/19/94	01/20/94	01/21/94	01/22/94	01/24/94	01/24/94

UNITS

VOLATILES

	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Chloromethane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Bromomethane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Vinyl chloride	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Chloroethane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Methylene chloride	UG/L	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U
Acetone	UG/L	10.00 UJ	10.00 U	10.0 U	10.1	10.00 U	10.00 U
Carbon Disulfide	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
1,1-Dichloroethene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
1,1-Dichloroethane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
1,2-Dichloroethene(total)	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Chloroform	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
1,2-Dichloroethane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
2-Butanone	UG/L	10.0 UJ	10.0 UJ	10.0 UJ	10.0 U	10.0 U	10.0 U
1,1,1-Trichloroethane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Carbon tetrachloride	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Bromodichloromethane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
1,2-Dichloropropane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
cis-1,3-Dichloropropene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Trichloroethene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Dibromochloromethane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
1,1,2-Trichloroethane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Benzene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
trans-1,3-Dichloropropene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Bromoform	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
4-Methyl-2-pentanone	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
2-Hexanone	UG/L	10.0 U	10.0 UJ	10.0 UJ	10.0 U	10.0 U	10.0 U
Tetrachloroethene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
1,1,2,2-Tetrachloroethane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Toluene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Chlorobenzene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Ethylbenzene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Styrene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Xylenes (total)	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U

DATA AND FREQUENCY SUMMARY
 OPERABLE UNIT NO. 4 (SITES 41,69, AND 74)
 QUALITY ASSURANCE / QUALITY CONTROL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	74-TB-04	74-TB-05	74-TB-06	74-TB-07	74-TB-08	74-TB-09
Laboratory Sample ID:	9401109-07	9401108-17	9401116-18A	9401121-14A	9401138-18	9401136-04
Date Sampled:	01/19/94	01/20/94	01/21/94	01/22/94	01/24/94	01/24/94

	UNITS					
PESTICIDE/PCBS						
alpha-BHC	UG/L	N/A	N/A	N/A	N/A	N/A
beta-BHC	UG/L	N/A	N/A	N/A	N/A	N/A
delta-BHC	UG/L	N/A	N/A	N/A	N/A	N/A
Lindane (gamma-BHC)	UG/L	N/A	N/A	N/A	N/A	N/A
Heptachlor	UG/L	N/A	N/A	N/A	N/A	N/A
Aldrin	UG/L	N/A	N/A	N/A	N/A	N/A
Heptachlor epoxide	UG/L	N/A	N/A	N/A	N/A	N/A
Endosulfan I	UG/L	N/A	N/A	N/A	N/A	N/A
Dieldrin	UG/L	N/A	N/A	N/A	N/A	N/A
4,4'-DDE	UG/L	N/A	N/A	N/A	N/A	N/A
Endrin	UG/L	N/A	N/A	N/A	N/A	N/A
Endosulfan II	UG/L	N/A	N/A	N/A	N/A	N/A
4,4'-DDD	UG/L	N/A	N/A	N/A	N/A	N/A
Endosulfan sulfate	UG/L	N/A	N/A	N/A	N/A	N/A
4,4'-DDT	UG/L	N/A	N/A	N/A	N/A	N/A
Methoxychlor	UG/L	N/A	N/A	N/A	N/A	N/A
Endrin ketone	UG/L	N/A	N/A	N/A	N/A	N/A
Endrin aldehyde	UG/L	N/A	N/A	N/A	N/A	N/A
alpha-Chlordane	UG/L	N/A	N/A	N/A	N/A	N/A
gamma-Chlordane	UG/L	N/A	N/A	N/A	N/A	N/A
Toxaphene	UG/L	N/A	N/A	N/A	N/A	N/A
Aroclor 1016	UG/L	N/A	N/A	N/A	N/A	N/A
Aroclor 1221	UG/L	N/A	N/A	N/A	N/A	N/A
Aroclor 1232	UG/L	N/A	N/A	N/A	N/A	N/A
Aroclor 1242	UG/L	N/A	N/A	N/A	N/A	N/A
Aroclor 1248	UG/L	N/A	N/A	N/A	N/A	N/A
Aroclor 1254	UG/L	N/A	N/A	N/A	N/A	N/A
Aroclor 1260	UG/L	N/A	N/A	N/A	N/A	N/A

DATA AND FREQUENCY SUMMARY
 OPERABLE UNIT NO. 4 (SITES 41,69, AND 74)
 QUALITY ASSURANCE / QUALITY CONTROL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	74-TB-04	74-TB-05	74-TB-06	74-TB-07	74-TB-08	74-TB-09
Laboratory Sample ID:	9401109-07	9401108-17	9401116-18A	9401121-14A	9401138-18	9401136-04
Date Sampled:	01/19/94	01/20/94	01/21/94	01/22/94	01/24/94	01/24/94

UNITS

CHEMICAL SURETY

Acetophenone	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
Chloroacetophenone	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
Hydroxyacetophenone	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
Bis(2'-chloroethyl)disulfide	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
Bis(2'-chloroethyl)trisulfide	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
1,4-Dithiane	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
1,4-Oxathiane	UG/L	N/A	N/A	N/A	N/A	N/A	N/A

THIODIGLYCOL

Thiodiglycol	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
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ORDNANCE

1,3,5-Trinitrobenzene	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
1,3-Dinitrobenzene	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
2,4,6-Trinitrotoluene	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
2,4-Dinitrotoluene	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
2,6-Dinitrotoluene	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
2-Amino-4,6-dinitrotoluene	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
2-Nitrotoluene	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
3-Nitrotoluene	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
4-Amino-2,6-dinitrotoluene	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
4-Nitrotoluene	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
HMX	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
Nitrobenzene	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
RDX	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
Tetryl	UG/L	N/A	N/A	N/A	N/A	N/A	N/A

MIREX

Mirex	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
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DATA AND FREQUENCY SUMMARY
 OPERABLE UNIT NO. 4 (SITES 41,69, AND 74)
 QUALITY ASSURANCE / QUALITY CONTROL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	74-TB-10	74-TB-11	74-TB-12	74-TB-13	74-TB-14	74-TB-15
Laboratory Sample ID:	9401140-07	9401148-19A	9402132-05	9402140-11	9402151-05A	9402182-11
Date Sampled:	01/24/94	01/25/94	02/16/94	02/17/94	02/19/94	02/21/94

	UNITS						
SEMIVOLATILES							
1,2-Dichlorobenzene	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
1,2,4-Trichlorobenzene	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
1,3-Dichlorobenzene	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
1,4-Dichlorobenzene	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
2-Chloronaphthalene	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
2-Chlorophenol	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
2-Methylnaphthalene	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
2-Methylphenol	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
2-Nitroaniline	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
2-Nitrophenol	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
2,2'-oxybis-(1-chloropropane)	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
2,4-Dichlorophenol	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
2,4-Dimethylphenol	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
2,4-Dinitrophenol	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
2,4-Dinitrotoluene	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
2,4,5-Trichlorophenol	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
2,4,6-Trichlorophenol	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
2,6-Dinitrotoluene	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
3-Nitroaniline	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
3,3'-Dichlorobenzidine	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
4-Bromophenyl-phenylether	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
4-Chloro-3-methylphenol	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
4-Chloroaniline	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
4-Chlorophenyl phenyl ether	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
4-Methylphenol	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
4-Nitroaniline	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
4-Nitrophenol	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
4,6-Dinitro-2-methylphenol	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
Acenaphthene	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
Acenaphthylene	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
Anthracene	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
Benzo[a]anthracene	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
Benzo[a]pyrene	UG/L	N/A	N/A	N/A	N/A	N/A	N/A

DATA AND FREQUENCY SUMMARY
 OPERABLE UNIT NO. 4 (SITES 41,69, AND 74)
 QUALITY ASSURANCE / QUALITY CONTROL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	74-TB-10	74-TB-11	74-TB-12	74-TB-13	74-TB-14	74-TB-15
Laboratory Sample ID:	9401140-07	9401148-19A	9402132-05	9402140-11	9402151-05A	9402182-11
Date Sampled:	01/24/94	01/25/94	02/16/94	02/17/94	02/19/94	02/21/94

UNITS

SEMIVOLATILES Cont.

	74-TB-10	74-TB-11	74-TB-12	74-TB-13	74-TB-14	74-TB-15
Benzo[b]fluoranthene	UG/L	N/A	N/A	N/A	N/A	N/A
Benzo[g,h,i]perylene	UG/L	N/A	N/A	N/A	N/A	N/A
Benzo[k]fluoranthene	UG/L	N/A	N/A	N/A	N/A	N/A
bis(2-Chloroethoxy) methane	UG/L	N/A	N/A	N/A	N/A	N/A
bis(2-Chloroethyl) ether	UG/L	N/A	N/A	N/A	N/A	N/A
bis(2-Ethylhexyl)phthalate	UG/L	N/A	N/A	N/A	N/A	N/A
Butyl benzyl phthalate	UG/L	N/A	N/A	N/A	N/A	N/A
Carbazole	UG/L	N/A	N/A	N/A	N/A	N/A
Chrysene	UG/L	N/A	N/A	N/A	N/A	N/A
Dibenzofuran	UG/L	N/A	N/A	N/A	N/A	N/A
Dibenz[a,h]anthracene	UG/L	N/A	N/A	N/A	N/A	N/A
Diethylphthalate	UG/L	N/A	N/A	N/A	N/A	N/A
Dimethyl phthalate	UG/L	N/A	N/A	N/A	N/A	N/A
di-n-Butylphthalate	UG/L	N/A	N/A	N/A	N/A	N/A
di-n-Octylphthalate	UG/L	N/A	N/A	N/A	N/A	N/A
Fluoranthene	UG/L	N/A	N/A	N/A	N/A	N/A
Fluorene	UG/L	N/A	N/A	N/A	N/A	N/A
Hexachlorobenzene	UG/L	N/A	N/A	N/A	N/A	N/A
Hexachlorobutadiene	UG/L	N/A	N/A	N/A	N/A	N/A
Hexachlorocyclopentadiene	UG/L	N/A	N/A	N/A	N/A	N/A
Hexachloroethane	UG/L	N/A	N/A	N/A	N/A	N/A
Indeno[1,2,3-cd]pyrene	UG/L	N/A	N/A	N/A	N/A	N/A
Isophorone	UG/L	N/A	N/A	N/A	N/A	N/A
Naphthalene	UG/L	N/A	N/A	N/A	N/A	N/A
Nitrobenzene	UG/L	N/A	N/A	N/A	N/A	N/A
N-Nitroso-di-n-propylamine	UG/L	N/A	N/A	N/A	N/A	N/A
N-nitrosodiphenylamine	UG/L	N/A	N/A	N/A	N/A	N/A
Pentachlorophenol	UG/L	N/A	N/A	N/A	N/A	N/A
Phenanthrene	UG/L	N/A	N/A	N/A	N/A	N/A
Phenol	UG/L	N/A	N/A	N/A	N/A	N/A
Pyrene	UG/L	N/A	N/A	N/A	N/A	N/A

DATA AND FREQUENCY SUMMARY
 OPERABLE UNIT NO. 4 (SITES 41,69, AND 74)
 QUALITY ASSURANCE / QUALITY CONTROL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	74-TB-10	74-TB-11	74-TB-12	74-TB-13	74-TB-14	74-TB-15
Laboratory Sample ID:	9401140-07	9401148-19A	9402132-05	9402140-11	9402151-05A	9402182-11
Date Sampled:	01/24/94	01/25/94	02/16/94	02/17/94	02/19/94	02/21/94

UNITS

VOLATILES

	74-TB-10	74-TB-11	74-TB-12	74-TB-13	74-TB-14	74-TB-15
Chloromethane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Bromomethane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Vinyl chloride	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Chloroethane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Methylene chloride	UG/L	10.00 U	10.0 U	10.00 U	10.00 U	3.00 J
Acetone	UG/L	10.00 U	10.00 U	10.0 UJ	10.0 UJ	10.00 UJ
Carbon Disulfide	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
1,1-Dichloroethene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
1,1-Dichloroethane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
1,2-Dichloroethene(total)	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Chloroform	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
1,2-Dichloroethane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
2-Butanone	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
1,1,1-Trichloroethane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Carbon tetrachloride	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Bromodichloromethane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
1,2-Dichloropropane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
cis-1,3-Dichloropropene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Trichloroethene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Dibromochloromethane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
1,1,2-Trichloroethane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Benzene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
trans-1,3-Dichloropropene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Bromoform	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
4-Methyl-2-pentanone	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
2-Hexanone	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Tetrachloroethene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
1,1,2,2-Tetrachloroethane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Toluene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Chlorobenzene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Ethylbenzene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Styrene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Xylenes (total)	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U

DATA AND FREQUENCY SUMMARY
 OPERABLE UNIT NO. 4 (SITES 41,69, AND 74)
 QUALITY ASSURANCE / QUALITY CONTROL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	74-TB-10	74-TB-11	74-TB-12	74-TB-13	74-TB-14	74-TB-15
Laboratory Sample ID:	9401140-07	9401148-19A	9402132-05	9402140-11	9402151-05A	9402182-11
Date Sampled:	01/24/94	01/25/94	02/16/94	02/17/94	02/19/94	02/21/94

	UNITS						
PESTICIDE/PCBS							
alpha-BHC	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
beta-BHC	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
delta-BHC	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
Lindane (gamma-BHC)	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
Heptachlor	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
Aldrin	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
Heptachlor epoxide	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
Endosulfan I	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
Dieldrin	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
4,4'-DDE	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
Endrin	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
Endosulfan II	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
4,4'-DDD	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
Endosulfan sulfate	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
4,4'-DDT	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
Methoxychlor	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
Endrin ketone	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
Endrin aldehyde	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
alpha-Chlordane	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
gamma-Chlordane	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
Toxaphene	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
Aroclor 1016	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
Aroclor 1221	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
Aroclor 1232	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
Aroclor 1242	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
Aroclor 1248	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
Aroclor 1254	UG/L	N/A	N/A	N/A	N/A	N/A	N/A
Aroclor 1260	UG/L	N/A	N/A	N/A	N/A	N/A	N/A

DATA AND FREQUENCY SUMMARY
 OPERABLE UNIT NO. 4 (SITES 41,69, AND 74)
 QUALITY ASSURANCE / QUALITY CONTROL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	74-TB-10	74-TB-11	74-TB-12	74-TB-13	74-TB-14	74-TB-15
Laboratory Sample ID:	9401140-07	9401148-19A	9402132-05	9402140-11	9402151-05A	9402182-11
Date Sampled:	01/24/94	01/25/94	02/16/94	02/17/94	02/19/94	02/21/94

UNITS

CHEMICAL SURETY

	74-TB-10	74-TB-11	74-TB-12	74-TB-13	74-TB-14	74-TB-15
Acetophenone	UG/L	N/A	N/A	N/A	N/A	N/A
Chloroacetophenone	UG/L	N/A	N/A	N/A	N/A	N/A
Hydroxyacetophenone	UG/L	N/A	N/A	N/A	N/A	N/A
Bis(2'-chloroethyl)disulfide	UG/L	N/A	N/A	N/A	N/A	N/A
Bis(2'-chloroethyl)trisulfide	UG/L	N/A	N/A	N/A	N/A	N/A
1,4-Dithiane	UG/L	N/A	N/A	N/A	N/A	N/A
1,4-Oxathiane	UG/L	N/A	N/A	N/A	N/A	N/A

THIODIGLYCOL

Thiodiglycol	UG/L	N/A	N/A	N/A	N/A	N/A
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ORDNANCE

1,3,5-Trinitrobenzene	UG/L	N/A	N/A	N/A	N/A	N/A
1,3-Dinitrobenzene	UG/L	N/A	N/A	N/A	N/A	N/A
2,4,6-Trinitrotoluene	UG/L	N/A	N/A	N/A	N/A	N/A
2,4-Dinitrotoluene	UG/L	N/A	N/A	N/A	N/A	N/A
2,6-Dinitrotoluene	UG/L	N/A	N/A	N/A	N/A	N/A
2-Amino-4,6-dinitrotoluene	UG/L	N/A	N/A	N/A	N/A	N/A
2-Nitrotoluene	UG/L	N/A	N/A	N/A	N/A	N/A
3-Nitrotoluene	UG/L	N/A	N/A	N/A	N/A	N/A
4-Amino-2,6-dinitrotoluene	UG/L	N/A	N/A	N/A	N/A	N/A
4-Nitrotoluene	UG/L	N/A	N/A	N/A	N/A	N/A
HMX	UG/L	N/A	N/A	N/A	N/A	N/A
Nitrobenzene	UG/L	N/A	N/A	N/A	N/A	N/A
RDX	UG/L	N/A	N/A	N/A	N/A	N/A
Tetryl	UG/L	N/A	N/A	N/A	N/A	N/A

MIREX

Mirex	UG/L	N/A	N/A	N/A	N/A	N/A
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DATA AND FREQUENCY SUMMARY
 OPERABLE UNIT NO. 4 (SITES 41,69, AND 74)
 QUALITY ASSURANCE / QUALITY CONTROL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	74-TB-16	74-TB-17	74-RS-01	74-RS-03	74-RS-05	74-RS-07
Laboratory Sample ID:	9402179-02	9402198-07A	9401079-02	9401109-08	9401116-17A	9401138-13
Date Sampled:	02/21/94	02/22/94	01/11/94	01/19/94	01/21/94	01/23/94

	UNITS					
SEMIVOLATILES						
1,2-Dichlorobenzene	UG/L	N/A	N/A	10.0 U	11.0 U	12.0 U
1,2,4-Trichlorobenzene	UG/L	N/A	N/A	10.0 U	11.0 U	12.0 U
1,3-Dichlorobenzene	UG/L	N/A	N/A	10.0 U	11.0 U	12.0 U
1,4-Dichlorobenzene	UG/L	N/A	N/A	10.0 U	11.0 U	12.0 U
2-Chloronaphthalene	UG/L	N/A	N/A	10.0 U	11.0 U	12.0 U
2-Chlorophenol	UG/L	N/A	N/A	10.0 U	11.0 U	12.0 U
2-Methylnaphthalene	UG/L	N/A	N/A	10.0 U	11.0 U	12.0 U
2-Methylphenol	UG/L	N/A	N/A	10.0 U	11.0 U	12.0 U
2-Nitroaniline	UG/L	N/A	N/A	25.0 U	27.5 U	30.0 U
2-Nitrophenol	UG/L	N/A	N/A	10.0 U	11.0 U	12.0 U
2,2'-oxybis-(1-chloropropane)	UG/L	N/A	N/A	10.0 U	11.0 U	12.0 U
2,4-Dichlorophenol	UG/L	N/A	N/A	10.0 U	11.0 U	12.0 U
2,4-Dimethylphenol	UG/L	N/A	N/A	10.0 U	11.0 U	12.0 U
2,4-Dinitrophenol	UG/L	N/A	N/A	25.0 U	27.5 U	30.0 U
2,4-Dinitrotoluene	UG/L	N/A	N/A	10.0 U	11.0 U	12.0 U
2,4,5-Trichlorophenol	UG/L	N/A	N/A	25.0 U	27.5 U	30.0 U
2,4,6-Trichlorophenol	UG/L	N/A	N/A	10.0 U	11.0 U	12.0 U
2,6-Dinitrotoluene	UG/L	N/A	N/A	10.0 U	11.0 U	12.0 U
3-Nitroaniline	UG/L	N/A	N/A	25.0 U	27.5 U	30.0 U
3,3'-Dichlorobenzidine	UG/L	N/A	N/A	10.0 U	11.0 U	12.0 U
4-Bromophenyl-phenylether	UG/L	N/A	N/A	10.0 U	11.0 U	12.0 U
4-Chloro-3-methylphenol	UG/L	N/A	N/A	10.0 U	11.0 U	12.0 U
4-Chloroaniline	UG/L	N/A	N/A	10.0 U	11.0 U	12.0 U
4-Chlorophenyl phenyl ether	UG/L	N/A	N/A	10.0 U	11.0 U	12.0 U
4-Methylphenol	UG/L	N/A	N/A	10.0 U	11.0 U	12.0 U
4-Nitroaniline	UG/L	N/A	N/A	25.0 U	27.5 U	30.0 U
4-Nitrophenol	UG/L	N/A	N/A	25.0 U	27.5 U	30.0 U
4,6-Dinitro-2-methylphenol	UG/L	N/A	N/A	25.0 U	27.5 U	30.0 U
Acenaphthene	UG/L	N/A	N/A	10.0 U	11.0 U	12.0 U
Acenaphthylene	UG/L	N/A	N/A	10.0 U	11.0 U	12.0 U
Anthracene	UG/L	N/A	N/A	10.0 U	11.0 U	12.0 U
Benzo[a]anthracene	UG/L	N/A	N/A	10.0 U	11.0 U	12.0 U
Benzo[a]pyrene	UG/L	N/A	N/A	10.0 U	11.0 U	12.0 U

DATA AND FREQUENCY SUMMARY
 OPERABLE UNIT NO. 4 (SITES 41,69, AND 74)
 QUALITY ASSURANCE / QUALITY CONTROL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	74-TB-16	74-TB-17	74-RS-01	74-RS-03	74-RS-05	74-RS-07
Laboratory Sample ID:	9402179-02	9402198-07A	9401079-02	9401109-08	9401116-17A	9401138-13
Date Sampled:	02/21/94	02/22/94	01/11/94	01/19/94	01/21/94	01/23/94

UNITS

SEMIVOLATILES Cont.

Compound	74-TB-16	74-TB-17	74-RS-01	74-RS-03	74-RS-05	74-RS-07
Benzo[b]fluoranthene	UG/L	N/A	N/A	10.0 U	11.0 U	12.0 U
Benzo[g,h,i]perylene	UG/L	N/A	N/A	10.0 U	11.0 U	12.0 U
Benzo[k]fluoranthene	UG/L	N/A	N/A	10.0 U	11.0 U	12.0 U
bis(2-Chloroethoxy) methane	UG/L	N/A	N/A	10.0 U	11.0 U	12.0 U
bis(2-Chloroethyl) ether	UG/L	N/A	N/A	10.0 U	11.0 U	12.0 U
bis(2-Ethylhexyl)phthalate	UG/L	N/A	N/A	10.0 U	11.0 U	12.0 U
Butyl benzyl phthalate	UG/L	N/A	N/A	10.0 U	11.0 U	12.0 U
Carbazole	UG/L	N/A	N/A	10.0 U	11.0 U	12.0 U
Chrysene	UG/L	N/A	N/A	10.0 U	11.0 U	12.0 U
Dibenzofuran	UG/L	N/A	N/A	10.0 U	11.0 U	12.0 U
Dibenz[a,h]anthracene	UG/L	N/A	N/A	10.0 U	11.0 U	12.0 U
Diethylphthalate	UG/L	N/A	N/A	10.0 U	11.0 U	12.0 U
Dimethyl phthalate	UG/L	N/A	N/A	10.0 U	11.0 U	12.0 U
di-n-Butylphthalate	UG/L	N/A	N/A	10.0 U	2.00 J	12.0 U
di-n-Octylphthalate	UG/L	N/A	N/A	10.0 U	11.0 U	12.0 U
Fluoranthene	UG/L	N/A	N/A	10.0 U	11.0 U	12.0 U
Fluorene	UG/L	N/A	N/A	10.0 U	11.0 U	12.0 U
Hexachlorobenzene	UG/L	N/A	N/A	10.0 U	11.0 U	12.0 U
Hexachlorobutadiene	UG/L	N/A	N/A	10.0 U	11.0 U	12.0 U
Hexachlorocyclopentadiene	UG/L	N/A	N/A	10.0 U	11.0 U	12.0 U
Hexachloroethane	UG/L	N/A	N/A	10.0 U	11.0 U	12.0 U
Indeno[1,2,3-cd]pyrene	UG/L	N/A	N/A	10.0 U	11.0 U	12.0 U
Isophorone	UG/L	N/A	N/A	10.0 U	11.0 U	12.0 U
Naphthalene	UG/L	N/A	N/A	10.0 U	11.0 U	12.0 U
Nitrobenzene	UG/L	N/A	N/A	10.0 U	11.0 U	12.0 U
N-Nitroso-di-n-propylamine	UG/L	N/A	N/A	10.0 U	11.0 U	12.0 U
N-nitrosodiphenylamine	UG/L	N/A	N/A	10.0 U	11.0 U	12.0 U
Pentachlorophenol	UG/L	N/A	N/A	25.0 U	27.5 U	30.0 U
Phenanthrene	UG/L	N/A	N/A	10.0 U	11.0 U	12.0 U
Phenol	UG/L	N/A	N/A	10.0 U	11.0 U	12.0 U
Pyrene	UG/L	N/A	N/A	10.0 U	11.0 U	12.0 U

DATA AND FREQUENCY SUMMARY
 OPERABLE UNIT NO. 4 (SITES 41,69, AND 74)
 QUALITY ASSURANCE / QUALITY CONTROL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	74-TB-16	74-TB-17	74-RS-01	74-RS-03	74-RS-05	74-RS-07
Laboratory Sample ID:	9402179-02	9402198-07A	9401079-02	9401109-08	9401116-17A	9401138-13
Date Sampled:	02/21/94	02/22/94	01/11/94	01/19/94	01/21/94	01/23/94

	UNITS						
VOLATILES							
Chloromethane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Bromomethane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Vinyl chloride	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Chloroethane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Methylene chloride	UG/L	8.00 J	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U
Acetone	UG/L	10.00 UJ	10.00 U	47.0 J	5.00 J	10.00 U	5.00 J
Carbon Disulfide	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
1,1-Dichloroethene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
1,1-Dichloroethane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
1,2-Dichloroethene(total)	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Chloroform	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
1,2-Dichloroethane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
2-Butanone	UG/L	10.0 U	10.0 U	10.0 U	10.0 UJ	10.0 UJ	10.0 U
1,1,1-Trichloroethane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Carbon tetrachloride	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Bromodichloromethane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
1,2-Dichloropropane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
cis-1,3-Dichloropropene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Trichloroethene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Dibromochloromethane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
1,1,2-Trichloroethane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Benzene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
trans-1,3-Dichloropropene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Bromoform	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
4-Methyl-2-pentanone	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
2-Hexanone	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 UJ	10.0 U
Tetrachloroethene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
1,1,2,2-Tetrachloroethane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Toluene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Chlorobenzene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Ethylbenzene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Styrene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Xylenes (total)	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U

DATA AND FREQUENCY SUMMARY
 OPERABLE UNIT NO. 4 (SITES 41,69, AND 74)
 QUALITY ASSURANCE / QUALITY CONTROL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	74-TB-16	74-TB-17	74-RS-01	74-RS-03	74-RS-05	74-RS-07
Laboratory Sample ID:	9402179-02	9402198-07A	9401079-02	9401109-08	9401116-17A	9401138-13
Date Sampled:	02/21/94	02/22/94	01/11/94	01/19/94	01/21/94	01/23/94

	UNITS						
<u>PESTICIDE/PCBS</u>							
alpha-BHC	UG/L	N/A	N/A	0.050 UJ	0.050 UJ	0.065 UJ	0.060 UJ
beta-BHC	UG/L	N/A	N/A	0.050 UJ	0.050 UJ	0.065 UJ	0.060 U
delta-BHC	UG/L	N/A	N/A	0.050 UJ	0.050 UJ	0.065 UJ	0.060 UJ
Lindane (gamma-BHC)	UG/L	N/A	N/A	0.050 UJ	0.050 UJ	0.065 UJ	0.060 U
Heptachlor	UG/L	N/A	N/A	0.020 UJ	0.060 UJ	0.060 UJ	0.060 U
Aldrin	UG/L	N/A	N/A	0.050 UJ	0.050 UJ	0.065 UJ	0.060 U
Heptachlor epoxide	UG/L	N/A	N/A	0.050 UJ	0.050 UJ	0.065 UJ	0.060 U
Endosulfan I	UG/L	N/A	N/A	0.050 UJ	0.050 UJ	0.065 UJ	0.060 U
Dieldrin	UG/L	N/A	N/A	0.100 UJ	0.100 UJ	0.130 UJ	0.120 U
4,4'-DDE	UG/L	N/A	N/A	0.100 UJ	0.100 UJ	0.130 UJ	0.120 U
Endrin	UG/L	N/A	N/A	0.100 UJ	0.100 UJ	0.130 UJ	0.120 U
Endosulfan II	UG/L	N/A	N/A	0.100 UJ	0.100 UJ	0.130 UJ	0.120 U
4,4'-DDD	UG/L	N/A	N/A	0.100 UJ	0.100 UJ	0.130 UJ	0.120 U
Endosulfan sulfate	UG/L	N/A	N/A	0.100 UJ	0.100 UJ	0.130 UJ	0.120 U
4,4'-DDT	UG/L	N/A	N/A	0.100 UJ	0.100 UJ	0.130 UJ	0.120 U
Methoxychlor	UG/L	N/A	N/A	0.500 UJ	0.500 UJ	0.650 UJ	0.600 U
Endrin ketone	UG/L	N/A	N/A	0.100 UJ	0.100 UJ	0.130 UJ	0.120 U
Endrin aldehyde	UG/L	N/A	N/A	0.100 UJ	0.100 UJ	0.130 UJ	0.120 U
alpha-Chlordane	UG/L	N/A	N/A	0.050 UJ	0.050 UJ	0.065 UJ	0.060 U
gamma-Chlordane	UG/L	N/A	N/A	0.050 UJ	0.050 UJ	0.065 UJ	0.060 U
Toxaphene	UG/L	N/A	N/A	5.00 UJ	5.00 UJ	6.50 UJ	6.00 U
Aroclor 1016	UG/L	N/A	N/A	1.00 UJ	1.00 UJ	1.30 UJ	1.20 U
Aroclor 1221	UG/L	N/A	N/A	2.00 UJ	2.00 UJ	2.60 UJ	2.40 U
Aroclor 1232	UG/L	N/A	N/A	1.00 UJ	1.00 UJ	1.30 UJ	1.20 U
Aroclor 1242	UG/L	N/A	N/A	1.00 UJ	1.00 UJ	1.30 UJ	1.20 U
Aroclor 1248	UG/L	N/A	N/A	1.00 UJ	1.00 UJ	1.30 UJ	1.20 U
Aroclor 1254	UG/L	N/A	N/A	1.00 UJ	1.00 UJ	1.30 UJ	1.20 U
Aroclor 1260	UG/L	N/A	N/A	1.00 UJ	1.00 UJ	1.30 UJ	1.20 U

DATA AND FREQUENCY SUMMARY
 OPERABLE UNIT NO. 4 (SITES 41,69, AND 74)
 QUALITY ASSURANCE / QUALITY CONTROL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	74-TB-16	74-TB-17	74-RS-01	74-RS-03	74-RS-05	74-RS-07
Laboratory Sample ID:	9402179-02	9402198-07A	9401079-02	9401109-08	9401116-17A	9401138-13
Date Sampled:	02/21/94	02/22/94	01/11/94	01/19/94	01/21/94	01/23/94
	<u>UNITS</u>					
<u>CHEMICAL SURETY</u>						
Acetophenone	UG/L	N/A	N/A	N/A	11.0 U	12.0 U
Chloroacetophenone	UG/L	N/A	N/A	N/A	11.0 U	12.0 U
Hydroxyacetophenone	UG/L	N/A	N/A	N/A	55.0 U	60.0 U
Bis(2'-chloroethyl)disulfide	UG/L	N/A	N/A	N/A	55.0 U	60.0 U
Bis(2'-chloroethyl)trisulfide	UG/L	N/A	N/A	N/A	55.0 U	60.0 U
1,4-Dithiane	UG/L	N/A	N/A	N/A	11.0 U	12.0 U
1,4-Oxathiane	UG/L	N/A	N/A	N/A	11.0 U	12.0 U
<u>THIODIGLYCOL</u>						
Thiodiglycol	UG/L	N/A	N/A	N/A	25.0 U	25.0 U
<u>ORDNANCE</u>						
1,3,5-Trinitrobenzene	UG/L	N/A	N/A	N/A	N/A	N/A
1,3-Dinitrobenzene	UG/L	N/A	N/A	N/A	N/A	N/A
2,4,6-Trinitrotoluene	UG/L	N/A	N/A	N/A	N/A	N/A
2,4-Dinitrotoluene	UG/L	N/A	N/A	N/A	N/A	N/A
2,6-Dinitrotoluene	UG/L	N/A	N/A	N/A	N/A	N/A
2-Amino-4,6-dinitrotoluene	UG/L	N/A	N/A	N/A	N/A	N/A
2-Nitrotoluene	UG/L	N/A	N/A	N/A	N/A	N/A
3-Nitrotoluene	UG/L	N/A	N/A	N/A	N/A	N/A
4-Amino-2,6-dinitrotoluene	UG/L	N/A	N/A	N/A	N/A	N/A
4-Nitrotoluene	UG/L	N/A	N/A	N/A	N/A	N/A
HMX	UG/L	N/A	N/A	N/A	N/A	N/A
Nitrobenzene	UG/L	N/A	N/A	N/A	N/A	N/A
RDX	UG/L	N/A	N/A	N/A	N/A	N/A
Tetryl	UG/L	N/A	N/A	N/A	N/A	N/A
<u>MIREX</u>						
Mirex	UG/L	N/A	N/A	N/A	N/A	N/A

DATA AND FREQUENCY SUMMARY
 OPERABLE UNIT NO. 4 (SITES 41,69, AND 74)
 QUALITY ASSURANCE / QUALITY CONTROL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	74-RS-08	74-RS-09	74-RS-11
Laboratory Sample ID:	9401148-20A	9402132-03	9402179-01
Date Sampled:	01/25/94	02/16/94	02/21/94

UNITS

SEMIVOLATILES

1,2-Dichlorobenzene	UG/L	11.0 U	11.1 U	11.0 U
1,2,4-Trichlorobenzene	UG/L	11.0 U	11.1 U	11.0 U
1,3-Dichlorobenzene	UG/L	11.0 U	11.1 U	11.0 U
1,4-Dichlorobenzene	UG/L	11.0 U	11.1 U	11.0 U
2-Chloronaphthalene	UG/L	11.0 U	11.1 U	11.0 U
2-Chlorophenol	UG/L	11.0 U	11.1 U	11.0 U
2-Methylnaphthalene	UG/L	11.0 U	11.1 U	11.0 U
2-Methylphenol	UG/L	11.0 U	11.1 U	11.0 U
2-Nitroaniline	UG/L	27.5 U	27.8 U	27.5 U
2-Nitrophenol	UG/L	11.0 U	11.1 U	11.0 U
2,2'-oxybis-(1-chloropropane)	UG/L	11.0 U	11.1 U	11.0 U
2,4-Dichlorophenol	UG/L	11.0 U	11.1 U	11.0 U
2,4-Dimethylphenol	UG/L	11.0 U	11.1 U	11.0 U
2,4-Dinitrophenol	UG/L	27.5 U	27.8 U	27.5 U
2,4-Dinitrotoluene	UG/L	11.0 U	11.1 U	11.0 U
2,4,5-Trichlorophenol	UG/L	27.5 U	27.8 U	27.5 U
2,4,6-Trichlorophenol	UG/L	11.0 U	11.1 U	11.0 U
2,6-Dinitrotoluene	UG/L	11.0 U	11.1 U	11.0 U
3-Nitroaniline	UG/L	27.5 U	27.8 U	27.5 U
3,3'-Dichlorobenzidine	UG/L	11.0 U	11.1 U	11.0 U
4-Bromophenyl-phenylether	UG/L	11.0 U	11.1 U	11.0 U
4-Chloro-3-methylphenol	UG/L	11.0 U	11.1 U	11.0 U
4-Chloroaniline	UG/L	11.0 U	11.1 U	11.0 U
4-Chlorophenyl phenyl ether	UG/L	11.0 U	11.1 U	11.0 U
4-Methylphenol	UG/L	11.0 U	11.1 U	11.0 U
4-Nitroaniline	UG/L	27.5 U	27.8 U	27.5 U
4-Nitrophenol	UG/L	27.5 U	27.8 U	27.5 U
4,6-Dinitro-2-methylphenol	UG/L	27.5 U	27.8 U	27.5 U
Acenaphthene	UG/L	11.0 U	11.1 U	11.0 U
Acenaphthylene	UG/L	11.0 U	11.1 U	11.0 U
Anthracene	UG/L	11.0 U	11.1 U	11.0 U
Benzo[a]anthracene	UG/L	11.0 U	11.1 U	11.0 U
Benzo[a]pyrene	UG/L	11.0 U	11.1 U	11.0 U

DATA AND FREQUENCY SUMMARY
 OPERABLE UNIT NO. 4 (SITES 41,69, AND 74)
 QUALITY ASSURANCE / QUALITY CONTROL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	74-RS-08	74-RS-09	74-RS-11
Laboratory Sample ID:	9401148-20A	9402132-03	9402179-01
Date Sampled:	01/25/94	02/16/94	02/21/94

UNITS

SEMIVOLATILES Cont.

	UG/L	11.0 U	11.1 U	11.0 U
Benzo[b]fluoranthene	UG/L	11.0 U	11.1 U	11.0 U
Benzo[g,h,i]perylene	UG/L	11.0 U	11.1 U	11.0 U
Benzo[k]fluoranthene	UG/L	11.0 U	11.1 U	11.0 U
bis(2-Chloroethoxy) methane	UG/L	11.0 U	11.1 U	11.0 U
bis(2-Chloroethyl) ether	UG/L	11.0 U	11.1 U	11.0 U
bis(2-Ethylhexyl)phthalate	UG/L	11.0 U	11.1 U	11.0 U
Butyl benzyl phthalate	UG/L	11.0 U	11.1 U	11.0 U
Carbazole	UG/L	11.0 U	11.1 U	11.0 U
Chrysene	UG/L	11.0 U	11.1 U	11.0 U
Dibenzofuran	UG/L	11.0 U	11.1 U	11.0 U
Dibenz[a,h]anthracene	UG/L	11.0 U	11.1 U	11.0 U
Diethylphthalate	UG/L	11.0 U	11.1 U	11.0 U
Dimethyl phthalate	UG/L	11.0 U	11.1 U	11.0 U
di-n-Butylphthalate	UG/L	11.0 U	11.1 U	11.00 U
di-n-Octylphthalate	UG/L	11.0 U	11.1 U	11.0 U
Fluoranthene	UG/L	11.0 U	11.1 U	11.0 U
Fluorene	UG/L	11.0 U	11.1 U	11.0 U
Hexachlorobenzene	UG/L	11.0 U	11.1 U	11.0 U
Hexachlorobutadiene	UG/L	11.0 U	11.1 U	11.0 U
Hexachlorocyclopentadiene	UG/L	11.0 U	11.1 U	11.0 U
Hexachloroethane	UG/L	11.0 U	11.1 U	11.0 U
Indeno[1,2,3-cd]pyrene	UG/L	11.0 U	11.1 U	11.0 U
Isophorone	UG/L	11.0 U	11.1 U	11.0 U
Naphthalene	UG/L	11.0 U	11.1 U	11.0 U
Nitrobenzene	UG/L	11.0 U	11.1 U	11.0 U
N-Nitroso-di-n-propylamine	UG/L	11.0 U	11.1 U	11.0 U
N-nitrosodiphenylamine	UG/L	11.0 U	11.1 U	11.0 U
Pentachlorophenol	UG/L	27.5 U	27.8 U	27.5 U
Phenanthrene	UG/L	11.0 U	11.1 U	11.0 U
Phenol	UG/L	11.0 U	11.1 U	11.0 U
Pyrene	UG/L	11.0 U	11.1 U	11.0 U

DATA AND FREQUENCY SUMMARY
 OPERABLE UNIT NO. 4 (SITES 41,69, AND 74)
 QUALITY ASSURANCE / QUALITY CONTROL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	74-RS-08	74-RS-09	74-RS-11
Laboratory Sample ID:	9401148-20A	9402132-03	9402179-01
Date Sampled:	01/25/94	02/16/94	02/21/94

UNITS

VOLATILES

	UG/L	10.0 U	10.0 U	10.0 U
Chloromethane	UG/L	10.0 U	10.0 U	10.0 U
Bromomethane	UG/L	10.0 U	10.0 U	10.0 U
Vinyl chloride	UG/L	10.0 U	10.0 U	10.0 U
Chloroethane	UG/L	10.0 U	10.0 U	10.0 U
Methylene chloride	UG/L	10.00 U	10.00 U	8.00 J
Acetone	UG/L	10.00 U	10.0 UJ	10.00 UJ
Carbon Disulfide	UG/L	10.0 U	10.0 U	10.0 U
1,1-Dichloroethene	UG/L	10.0 U	10.0 U	10.0 U
1,1-Dichloroethane	UG/L	10.0 U	10.0 U	10.0 U
1,2-Dichloroethene(total)	UG/L	10.0 U	10.0 U	10.0 U
Chloroform	UG/L	10.0 U	10.0 U	10.0 U
1,2-Dichloroethane	UG/L	10.0 U	10.0 U	10.0 U
2-Butanone	UG/L	10.0 U	10.0 U	10.0 U
1,1,1-Trichloroethane	UG/L	10.0 U	10.0 U	10.0 U
Carbon tetrachloride	UG/L	10.0 U	10.0 U	10.0 U
Bromodichloromethane	UG/L	10.0 U	10.0 U	10.0 U
1,2-Dichloropropane	UG/L	10.0 U	10.0 U	10.0 U
cis-1,3-Dichloropropene	UG/L	10.0 U	10.0 U	10.0 U
Trichloroethene	UG/L	10.0 U	10.0 U	10.0 U
Dibromochloromethane	UG/L	10.0 U	10.0 U	10.0 U
1,1,2-Trichloroethane	UG/L	10.0 U	10.0 U	10.0 U
Benzene	UG/L	10.0 U	10.0 U	10.0 U
trans-1,3-Dichloropropene	UG/L	10.0 U	10.0 U	10.0 U
Bromoform	UG/L	10.0 U	10.0 U	10.0 U
4-Methyl-2-pentanone	UG/L	10.0 U	10.0 U	10.0 U
2-Hexanone	UG/L	10.0 U	10.0 U	10.0 U
Tetrachloroethene	UG/L	10.0 U	10.0 U	10.0 U
1,1,2,2-Tetrachloroethane	UG/L	10.0 U	10.0 U	10.0 U
Toluene	UG/L	10.0 U	10.0 U	10.0 U
Chlorobenzene \	UG/L	10.0 U	10.0 U	10.0 U
Ethylbenzene	UG/L	10.0 U	10.0 U	10.0 U
Styrene	UG/L	10.0 U	10.0 U	10.0 U
Xylenes (total)	UG/L	10.0 U	10.0 U	10.0 U

DATA AND FREQUENCY SUMMARY
 OPERABLE UNIT NO. 4 (SITES 41,69, AND 74)
 QUALITY ASSURANCE / QUALITY CONTROL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	74-RS-08	74-RS-09	74-RS-11
Laboratory Sample ID:	9401148-20A	9402132-03	9402179-01
Date Sampled:	01/25/94	02/16/94	02/21/94

	UNITS			
PESTICIDE/PCBS				
alpha-BHC	UG/L	0.055 UJ	0.055 UJ	0.059 UJ
beta-BHC	UG/L	0.055 U	0.055 U	0.059 U
delta-BHC	UG/L	0.055 UJ	0.055 UJ	0.059 UJ
Lindane (gamma-BHC)	UG/L	0.055 U	0.055 U	0.059 U
Heptachlor	UG/L	0.055 U	0.055 U	0.059 U
Aldrin	UG/L	0.055 U	0.055 U	0.059 U
Heptachlor epoxide	UG/L	0.055 U	0.055 U	0.059 U
Endosulfan I	UG/L	0.055 U	0.055 U	0.059 U
Dieldrin	UG/L	0.110 U	0.110 U	0.118 U
4,4'-DDE	UG/L	0.110 U	0.110 U	0.118 U
Endrin	UG/L	0.110 U	0.110 U	0.118 U
Endosulfan II	UG/L	0.110 U	0.110 U	0.118 U
4,4'-DDD	UG/L	0.110 U	0.110 U	0.118 U
Endosulfan sulfate	UG/L	0.110 U	0.110 U	0.118 U
4,4'-DDT	UG/L	0.110 U	0.110 U	0.118 U
Methoxychlor	UG/L	0.550 U	0.550 U	0.588 U
Endrin ketone	UG/L	0.110 U	0.110 U	0.118 U
Endrin aldehyde	UG/L	0.110 U	0.110 U	0.118 U
alpha-Chlordane	UG/L	0.055 U	0.055 U	0.059 U
gamma-Chlordane	UG/L	0.055 U	0.055 U	0.059 U
Toxaphene	UG/L	5.50 U	5.50 U	5.88 U
Aroclor 1016	UG/L	1.10 U	1.10 U	1.18 U
Aroclor 1221	UG/L	2.20 U	2.20 U	2.35 U
Aroclor 1232	UG/L	1.10 U	1.10 U	1.18 U
Aroclor 1242	UG/L	1.10 U	1.10 U	1.18 U
Aroclor 1248	UG/L	1.10 U	1.10 U	1.18 U
Aroclor 1254	UG/L	1.10 U	1.10 U	1.18 U
Aroclor 1260	UG/L	1.10 U	1.10 U	1.18 U

DATA AND FREQUENCY SUMMARY
 OPERABLE UNIT NO. 4 (SITES 41,69, AND 74)
 QUALITY ASSURANCE / QUALITY CONTROL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	74-RS-08	74-RS-09	74-RS-11
Laboratory Sample ID:	9401148-20A	9402132-03	9402179-01
Date Sampled:	01/25/94	02/16/94	02/21/94

UNITS

CHEMICAL SURETY

	UG/L	11.0 U	11.1 U	N/A
Acetophenone	UG/L	11.0 U	11.1 U	N/A
Chloroacetophenone	UG/L	11.0 U	11.1 U	N/A
Hydroxyacetophenone	UG/L	55.0 U	55.5 U	N/A
Bis(2'-chloroethyl)disulfide	UG/L	55.0 U	55.5 U	N/A
Bis(2'-chloroethyl)trisulfide	UG/L	55.0 U	55.5 U	N/A
1,4-Dithiane	UG/L	11.0 U	11.1 U	N/A
1,4-Oxathiane	UG/L	11.0 U	11.1 U	N/A

THIODIGLYCOL

Thiodiglycol	UG/L	25.0 U	25.0 U	N/A
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ORDNANCE

1,3,5-Trinitrobenzene	UG/L	N/A	N/A	N/A
1,3-Dinitrobenzene	UG/L	N/A	N/A	N/A
2,4,6-Trinitrotoluene	UG/L	N/A	N/A	N/A
2,4-Dinitrotoluene	UG/L	N/A	N/A	N/A
2,6-Dinitrotoluene	UG/L	N/A	N/A	N/A
2-Amino-4,6-dinitrotoluene	UG/L	N/A	N/A	N/A
2-Nitrotoluene	UG/L	N/A	N/A	N/A
3-Nitrotoluene	UG/L	N/A	N/A	N/A
4-Amino-2,6-dinitrotoluene	UG/L	N/A	N/A	N/A
4-Nitrotoluene	UG/L	N/A	N/A	N/A
HMX	UG/L	N/A	N/A	N/A
Nitrobenzene	UG/L	N/A	N/A	N/A
RDX	UG/L	N/A	N/A	N/A
Tetryl	UG/L	N/A	N/A	N/A

MIREX

Mirex	UG/L	N/A	N/A	N/A
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DATA AND FREQUENCY SUMMARY
 OPERABLE UNIT NO. 4 (SITES 41,69, AND 74)
 QUALITY ASSURANCE / QUALITY CONTROL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID: Laboratory Sample ID: Date Sampled:	MINIMUM NONDETECTED	MAXIMUM NONDETECTED	MINIMUM DETECTED	MAXIMUM DETECTED	LOCATION OF MAXIMUM DETECTED	FREQUENCY OF DETECTION
	UNITS					
SEMIVOLATILES						
1,2-Dichlorobenzene	UG/L	10 U	12.5 U	ND	ND	0/20
1,2,4-Trichlorobenzene	UG/L	10 U	12.5 U	ND	ND	0/20
1,3-Dichlorobenzene	UG/L	10 U	12.5 U	ND	ND	0/20
1,4-Dichlorobenzene	UG/L	10 U	12.5 U	ND	ND	0/20
2-Chloronaphthalene	UG/L	10 U	12.5 U	ND	ND	0/20
2-Chlorophenol	UG/L	10 U	12.5 U	ND	ND	0/20
2-Methylnaphthalene	UG/L	10 U	12.5 U	ND	ND	0/20
2-Methylphenol	UG/L	10 U	12.5 U	ND	ND	0/20
2-Nitroaniline	UG/L	25 U	31.2 U	ND	ND	0/20
2-Nitrophenol	UG/L	10 U	12.5 U	ND	ND	0/20
2,2'-oxybis-(1-chloropropane)	UG/L	10 U	12.5 U	ND	ND	0/20
2,4-Dichlorophenol	UG/L	10 U	12.5 U	ND	ND	0/20
2,4-Dimethylphenol	UG/L	10 U	12.5 U	ND	ND	0/20
2,4-Dinitrophenol	UG/L	25 U	31.2 U	ND	ND	0/20
2,4-Dinitrotoluene	UG/L	10 U	12.5 U	ND	ND	0/20
2,4,5-Trichlorophenol	UG/L	25 U	31.2 U	ND	ND	0/20
2,4,6-Trichlorophenol	UG/L	10 U	12.5 U	ND	ND	0/20
2,6-Dinitrotoluene	UG/L	10 U	12.5 U	ND	ND	0/20
3-Nitroaniline	UG/L	25 U	31.2 U	ND	ND	0/20
3,3'-Dichlorobenzidine	UG/L	10 U	12.5 U	ND	ND	0/20
4-Bromophenyl-phenylether	UG/L	10 U	12.5 U	ND	ND	0/20
4-Chloro-3-methylphenol	UG/L	10 U	12.5 U	ND	ND	0/20
4-Chloroaniline	UG/L	10 U	12.5 U	ND	ND	0/20
4-Chlorophenyl phenyl ether	UG/L	10 U	12.5 U	ND	ND	0/20
4-Methylphenol	UG/L	10 U	12.5 U	ND	ND	0/20
4-Nitroaniline	UG/L	25 U	31.2 U	25.8 R	25.8 R	69-RS-06 1/20
4-Nitrophenol	UG/L	25 U	31.2 U	ND	ND	0/20
4,6-Dinitro-2-methylphenol	UG/L	25 U	31.2 U	ND	ND	0/20
Acenaphthene	UG/L	10 U	12.5 U	ND	ND	0/20
Acenaphthylene	UG/L	10 U	12.5 U	ND	ND	0/20
Anthracene	UG/L	10 U	12.5 U	ND	ND	0/20
Benzo[a]anthracene	UG/L	10 U	12.5 U	ND	ND	0/20
Benzo[a]pyrene	UG/L	10 U	12.5 U	ND	ND	0/20

DATA AND FREQUENCY SUMMARY
 OPERABLE UNIT NO. 4 (SITES 41,69, AND 74)
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 MCB CAMP LEJEUNE, NORTH CAROLINA
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Client Sample ID: Laboratory Sample ID: Date Sampled:	MINIMUM NONDETECTED	MAXIMUM NONDETECTED	MINIMUM DETECTED	MAXIMUM DETECTED	LOCATION OF MAXIMUM DETECTED	FREQUENCY OF DETECTION
<u>UNITS</u>						
<u>SEMIVOLATILES Cont.</u>						
Benzo[b]fluoranthene	UG/L	10 U	12.5 U	ND	ND	0/20
Benzo[g,h,i]perylene	UG/L	10 U	12.5 U	ND	ND	0/20
Benzo[k]fluoranthene	UG/L	10 U	12.5 U	ND	ND	0/20
bis(2-Chloroethoxy) methane	UG/L	10 U	12.5 U	ND	ND	0/20
bis(2-Chloroethyl) ether	UG/L	10 U	12.5 U	ND	ND	0/20
bis(2-Ethylhexyl)phthalate	UG/L	10 U	12.5 U	4 J	4 J	69-FB-01 1/20
Butyl benzyl phthalate	UG/L	10 U	12.5 U	ND	ND	0/20
Carbazole	UG/L	10 U	12.5 U	ND	ND	0/20
Chrysene	UG/L	10 U	12.5 U	ND	ND	0/20
Dibenzofuran	UG/L	10 U	12.5 U	ND	ND	0/20
Dibenz[a,h]anthracene	UG/L	10 U	12.5 U	ND	ND	0/20
Diethylphthalate	UG/L	10 U	12.5 U	ND	ND	0/20
Dimethyl phthalate	UG/L	10 U	12.5 U	ND	ND	0/20
di-n-Butylphthalate	UG/L	10 U	12.5 U	1 J	2 J	74-RS-03 3/20
di-n-Octylphthalate	UG/L	10 U	12.5 U	ND	ND	0/20
Fluoranthene	UG/L	10 U	12.5 U	ND	ND	0/20
Fluorene	UG/L	10 U	12.5 U	ND	ND	0/20
Hexachlorobenzene	UG/L	10 U	12.5 U	ND	ND	0/20
Hexachlorobutadiene	UG/L	10 U	12.5 U	ND	ND	0/20
Hexachlorocyclopentadiene	UG/L	10 U	12.5 U	ND	ND	0/20
Hexachloroethane	UG/L	10 U	12.5 U	ND	ND	0/20
Indeno[1,2,3-cd]pyrene	UG/L	10 U	12.5 U	ND	ND	0/20
Isophorone	UG/L	10 U	12.5 U	ND	ND	0/20
Naphthalene	UG/L	10 U	12.5 U	ND	ND	0/20
Nitrobenzene	UG/L	10 U	12.5 U	ND	ND	0/20
N-Nitroso-di-n-propylamine	UG/L	10 U	12.5 U	ND	ND	0/20
N-nitrosodiphenylamine	UG/L	10 U	12.5 U	ND	ND	0/20
Pentachlorophenol	UG/L	25 U	31.2 U	ND	ND	0/20
Phenanthrene	UG/L	10 U	12.5 U	ND	ND	0/20
Phenol	UG/L	10 U	12.5 U	ND	ND	0/20
Pyrene	UG/L	10 U	12.5 U	ND	ND	0/20

DATA AND FREQUENCY SUMMARY
 OPERABLE UNIT NO. 4 (SITES 41,69, AND 74)
 QUALITY ASSURANCE / QUALITY CONTROL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID: Laboratory Sample ID: Date Sampled:	MINIMUM NONDETECTED	MAXIMUM NONDETECTED	MINIMUM DETECTED	MAXIMUM DETECTED	LOCATION OF MAXIMUM DETECTED	FREQUENCY OF DETECTION
UNITS						
VOLATILES						
Chloromethane	UG/L	10 U	10 U	ND		0/63
Bromomethane	UG/L	10 U	10 U	ND		0/63
Vinyl chloride	UG/L	10 U	10 U	ND		0/63
Chloroethane	UG/L	10 U	10 U	ND		0/63
Methylene chloride	UG/L	10 U	16 U	1 J	8 J	74-RS-11 18/63
Acetone	UG/L	10 U	21 U	2 J	190 J	69-RS-03 7/63
Carbon Disulfide	UG/L	10 U	10 U	ND	ND	0/63
1,1-Dichloroethene	UG/L	10 U	10 U	ND	ND	0/63
1,1-Dichloroethane	UG/L	10 U	10 U	ND	ND	0/63
1,2-Dichloroethene(total)	UG/L	10 U	10 U	ND	ND	0/63
Chloroform	UG/L	10 U	10 U	10 J	10 J	74-RS-11 1/63
1,2-Dichloroethane	UG/L	10 U	10 U	ND	ND	0/63
2-Butanone	UG/L	10 U	10 U	ND	ND	0/63
1,1,1-Trichloroethane	UG/L	10 U	10 U	ND	ND	0/63
Carbon tetrachloride	UG/L	10 U	10 U	ND	ND	0/63
Bromodichloromethane	UG/L	10 U	10 U	4 J	4 J	69-FB-01 1/63
1,2-Dichloropropane	UG/L	10 U	10 U	ND	ND	0/63
cis-1,3-Dichloropropene	UG/L	10 U	10 U	ND	ND	0/63
Trichloroethene	UG/L	10 U	10 U	ND	ND	0/63
Dibromochloromethane	UG/L	10 U	10 U	2 J	2 J	69-FB-01 1/63
1,1,2-Trichloroethane	UG/L	10 U	10 U	ND	ND	0/63
Benzene	UG/L	10 U	10 U	ND	ND	0/63
trans-1,3-Dichloropropene	UG/L	10 U	10 U	ND	ND	0/63
Bromoform	UG/L	10 U	10 U	ND	ND	0/63
4-Methyl-2-pentanone	UG/L	10 U	10 U	ND	ND	0/63
2-Hexanone	UG/L	10 U	10 U	ND	ND	0/63
Tetrachloroethene	UG/L	10 U	10 U	ND	ND	0/63
1,1,2,2-Tetrachloroethane	UG/L	10 U	10 U	ND	ND	0/63
Toluene	UG/L	10 U	10 U	1 J	1 J	69-FB-01 1/63
Chlorobenzene	UG/L	10 U	10 U	ND	ND	0/63
Ethylbenzene	UG/L	10 U	10 U	ND	ND	0/63
Styrene	UG/L	10 U	10 U	ND	ND	0/63
Xylenes (total)	UG/L	10 U	10 U	4 J	4 J	69-TB-06 1/63

DATA AND FREQUENCY SUMMARY
 OPERABLE UNIT NO. 4 (SITES 41,69, AND 74)
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 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID: Laboratory Sample ID: Date Sampled:	MINIMUM NONDETECTED	MAXIMUM NONDETECTED	MINIMUM DETECTED	MAXIMUM DETECTED	LOCATION OF MAXIMUM DETECTED	FREQUENCY OF DETECTION
<u>UNITS</u>						
<u>PESTICIDE/PCBS</u>						
alpha-BHC	UG/L	0.05 UJ	0.065 UJ	ND	ND	0/20
beta-BHC	UG/L	0.05 UJ	0.065 UJ	ND	ND	0/20
delta-BHC	UG/L	0.05 UJ	0.065 UJ	ND	ND	0/20
Lindane (gamma-BHC)	UG/L	0.05 UJ	0.065 UJ	ND	ND	0/20
Heptachlor	UG/L	0.01 UJ	0.06 UJ	0.01 J	0.03 J	41-RS-11 4/20
Aldrin	UG/L	0.05 UJ	0.065 UJ	ND	ND	0/20
Heptachlor epoxide	UG/L	0.05 UJ	0.065 UJ	ND	ND	0/20
Endosulfan I	UG/L	0.05 UJ	0.065 UJ	ND	ND	0/20
Dieldrin	UG/L	0.1 UJ	0.13 UJ	ND	ND	0/20
4,4'-DDE	UG/L	0.1 UJ	0.13 UJ	ND	ND	0/20
Endrin	UG/L	0.1 UJ	0.13 UJ	ND	ND	0/20
Endosulfan II	UG/L	0.1 UJ	0.13 UJ	ND	ND	0/20
4,4'-DDD	UG/L	0.1 UJ	0.13 UJ	ND	ND	0/20
Endosulfan sulfate	UG/L	0.1 UJ	0.13 UJ	ND	ND	0/20
4,4'-DDT	UG/L	0.1 UJ	0.13 UJ	ND	ND	0/20
Methoxychlor	UG/L	0.5 UJ	0.65 UJ	ND	ND	0/20
Endrin ketone	UG/L	0.1 UJ	0.13 UJ	ND	ND	0/20
Endrin aldehyde	UG/L	0.1 UJ	0.13 UJ	ND	ND	0/20
alpha-Chlordane	UG/L	0.05 UJ	0.065 UJ	ND	ND	0/20
gamma-Chlordane	UG/L	0.05 UJ	0.065 UJ	ND	ND	0/20
Toxaphene	UG/L	5 UJ	6.5 UJ	ND	ND	0/20
Aroclor 1016	UG/L	1 UJ	1.3 UJ	ND	ND	0/20
Aroclor 1221	UG/L	2 UJ	2.6 UJ	ND	ND	0/20
Aroclor 1232	UG/L	1 UJ	1.3 UJ	ND	ND	0/20
Aroclor 1242	UG/L	1 UJ	1.3 UJ	ND	ND	0/20
Aroclor 1248	UG/L	1 UJ	1.3 UJ	ND	ND	0/20
Aroclor 1254	UG/L	1 UJ	1.3 UJ	ND	ND	0/20
Aroclor 1260	UG/L	1 UJ	1.3 UJ	ND	ND	0/20

DATA AND FREQUENCY SUMMARY
 OPERABLE UNIT NO. 4 (SITES 41,69, AND 74)
 QUALITY ASSURANCE / QUALITY CONTROL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:						
Laboratory Sample ID:		MINIMUM	MAXIMUM	MINIMUM	MAXIMUM	LOCATION OF
Date Sampled:		NONDETECTED	NONDETECTED	DETECTED	DETECTED	MAXIMUM
	UNITS					DETECTED
						FREQUENCY
						OF
						DETECTION
CHEMICAL SURETY						
Acetophenone	UG/L	10 U	12 U	ND	ND	0/15
Chloroacetophenone	UG/L	10 U	12 U	ND	ND	0/15
Hydroxyacetophenone	UG/L	50 U	60 U	ND	ND	0/15
Bis(2'-chloroethyl)disulfide	UG/L	50 U	60 U	ND	ND	0/15
Bis(2'-chloroethyl)trisulfide	UG/L	50 U	60 U	ND	ND	0/15
1,4-Dithiane	UG/L	10 U	12 U	ND	ND	0/15
1,4-Oxathiane	UG/L	10 U	12 U	ND	ND	0/15
THIODIGLYCOL						
Thiodiglycol	UG/L	25 U	25 U	ND	ND	0/15
ORDNANCE						
1,3,5-Trinitrobenzene	UG/L	0.5 U	0.5 U	ND	ND	0/4
1,3-Dinitrobenzene	UG/L	0.5 U	0.5 U	ND	ND	0/4
2,4,6-Trinitrotoluene	UG/L	0.5 U	0.5 U	ND	ND	0/4
2,4-Dinitrotoluene	UG/L	0.5 U	0.5 U	ND	ND	0/4
2,6-Dinitrotoluene	UG/L	0.5 U	0.5 U	ND	ND	0/4
2-Amino-4,6-dinitrotoluene	UG/L	0.03 U	0.03 U	ND	ND	0/4
2-Nitrotoluene	UG/L	0.5 U	0.5 U	ND	ND	0/4
3-Nitrotoluene	UG/L	0.5 U	0.5 U	ND	ND	0/4
4-Amino-2,6-dinitrotoluene	UG/L	0.02 U	0.02 U	ND	ND	0/4
4-Nitrotoluene	UG/L	0.5 U	0.5 U	ND	ND	0/4
HMX	UG/L	1.25 U	1.25 U	ND	ND	0/4
Nitrobenzene	UG/L	0.5 U	0.5 U	ND	ND	0/4
RDX	UG/L	0.5 U	0.5 U	ND	ND	0/4
Tetryl	UG/L	0.5 U	0.5 U	ND	ND	0/4
MIREX						
Mirex	UG/L	11.2 U	62 UJ	ND	ND	0/6

DATA AND FREQUENCY SUMMARY
 OPERABLE UNIT NO. 4 (SITES 41,69, AND 74)
 QUALITY ASSURANCE / QUALITY CONTROL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 TAL TOTAL METALS

Client Sample ID:	41-RS-01	41-RS-03	41-RS-05	41-RS-07	41-RS-09	41-RS-11
Laboratory Sample ID:	9402021-04	9402057-01	9402071-02	9402081-04	9402118-01	9402131-03A
Date Sampled:	02/01/94	02/03/94	02/05/94	02/07/94	02/15/94	02/16/94

	UNITS						
Aluminum	UG/L	139.0 U	139.0 UJ	139.0 U	139.0 U	139.0 UJ	139.0 U
Antimony	UG/L	7.90 U	7.60 UJ	7.90 U	7.60 U	7.60 UJ	7.60 U
Arsenic	UG/L	2.90 U	2.20 UJ	2.90 U	2.90 U	2.20 UJ	2.90 U
Barium	UG/L	12.4 U	12.4 U	12.4 U	12.4 U	12.4 U	12.4 U
Beryllium	UG/L	0.800 U	0.760 U	0.760 U	0.760 U	0.760 U	0.760 U
Cadmium	UG/L	3.20	3.19 U	3.19 U	3.19 U	3.19 U	3.19 U
Calcium	UG/L	249.0 U	149.0 U	149.0 U	149.0 U	149.0 U	149.0 U
Chromium	UG/L	8.30 U	8.31 UJ	8.31 U	8.31 U	8.31 UJ	8.31 U
Cobalt	UG/L	16.0 U	16.0 U	16.0 U	16.0 U	16.0 U	16.0 U
Copper	UG/L	16.3 U	16.3 U	16.3 U	16.3 U	16.3 U	16.3 U
Iron	UG/L	56.0	54.9 UJ	54.9 U	54.9 U	54.9 UJ	54.9 U
Lead	UG/L	1.05	1.00 UJ	1.00 U	1.00 U	1.00 UJ	1.00 U
Magnesium	UG/L	71.4 U	71.9 U	71.4 U	71.9 U	71.9 U	71.9 U
Manganese	UG/L	7.10 U	7.08 U	7.08 U	7.08 U	7.08 U	7.08 U
Mercury	UG/L	0.100 U	0.135 U	0.100 U	0.159 U	0.178 U	0.100 U
Nickel	UG/L	28.8 U	28.8 UJ	28.8 U	17.4 U	28.8 UJ	28.8 U
Potassium	UG/L	763 U	763 U	500 U	763 U	763 U	763.000 U
Selenium	UG/L	2.53 U	1.60 U	2.53 U	1.60 UJ	1.60 U	1.60 U
Silver	UG/L	0.400 U	1.60 U	1.60 U	1.60 U	1.60 U	1.60 U
Sodium	UG/L	186 U	368 U	271	368 U	368 U	368.000 U
Thallium	UG/L	4.60 U	3.00 U	4.60 U	3.00 U	3.00 U	3.00 U
Vanadium	UG/L	20.4 U	20.4 UJ	20.4 U	20.4 U	20.4 UJ	20.4 U
Zinc	UG/L	16.6 U	19.1 J	14.4 U	11.3	15.0 J	11.6 U
Total Cyanide	UG/L	5.00 U	5.00 U	N/A	N/A	5.00 U	N/A

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 TAL TOTAL METALS

Client Sample ID:	41-RS-13	69-RS-01	69-RS-03	69-RS-03	69-RS-03	69-RS-05	69-RS-05
Laboratory Sample ID:	9402161-05A	9401025-06A	9401117-05A	9401119-05A	9401119-05A	9401128-04A	9401129-04A
Date Sampled:	02/20/94	01/06/94	01/21/94	01/21/94	01/21/94	01/23/94	01/23/94
	UNITS						
Aluminum	UG/L	139.0 U	119.0 U	119.0 U	119.0 U	119.0 UJ	119.0 UJ
Antimony	UG/L	7.60 U	7.90 U	7.90 R	14.1 J	7.90 UJ	9.40 J
Arsenic	UG/L	2.20 UJ	2.90 U	2.90 U	2.90 U	2.90 UJ	2.90 UJ
Barium	UG/L	16.8 U	13.7 U	13.7 U	13.7 U	13.7 U	13.7 U
Beryllium	UG/L	3.21 U	1.30 U	1.29 U	1.29 U	1.29 U	1.29 U
Cadmium	UG/L	4.20 U	2.40 U	2.35 U	2.35 U	2.35 U	2.35 U
Calcium	UG/L	441.0 U	262.0	268.0	125.0 U	125.0 U	125.0 U
Chromium	UG/L	9.60 U	7.20 UJ	7.35 U	7.35 U	7.35 U	7.35 U
Cobalt	UG/L	31.2 U	19.4 U	19.4 U	19.4 U	19.4 U	19.4 U
Copper	UG/L	23.9 U	16.2 U	16.2 U	16.2 U	16.2 U	16.2 U
Iron	UG/L	72.3 J	96.5	52.5 U	52.5 U	52.5 U	52.5 U
Lead	UG/L	1.00 U	1.00 U	1.00 UJ	1.00 UJ	1.00 U	1.00 U
Magnesium	UG/L	71.4 U	59.1 U	59.1 U	59.1 U	59.1 U	59.1 U
Manganese	UG/L	14.4 U	5.30 U	5.25 U	5.25 U	5.25 U	5.25 U
Mercury	UG/L	0.155 U	0.120 U	0.063 U	0.063 U	0.100 U	0.100 U
Nickel	UG/L	31.2 U	13.6 U	13.6 U	13.6 U	13.6 U	13.6 U
Potassium	UG/L	763.000 U	300.0 U	500.0 U	500.0 U	300.000 UJ	300.000 UJ
Selenium	UG/L	1.60 UJ	2.50 UJ	3.22 J	2.53 UJ	2.92 J	2.53 UJ
Silver	UG/L	1.60 R	0.400 UJ	0.400 U	0.400 U	0.400 UJ	0.400 UJ
Sodium	UG/L	368.000 U	190.0 U	190.0 U	190.0 U	189.000 UJ	368.000 U
Thallium	UG/L	3.00 U	4.60 U	4.60 U	4.60 U	4.60 U	4.60 U
Vanadium	UG/L	20.4 U	16.6 U	16.6 U	16.6 U	16.6 U	16.6 U
Zinc	UG/L	15.8 U	14.4 U	8.80 U	7.02 U	18.5	7.02 UJ
Total Cyanide	UG/L	5.00 U	N/A	5.00 U	N/A	5.00 U	N/A

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 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 TAL TOTAL METALS

Client Sample ID:	69-RS-06	69-FB-01	69-FB-02	74-RS-01	74-RS-03	74-RS-05
Laboratory Sample ID:	9402150-03	9401036-05A	9401036-06A	9401079-02	9401109-08	9401116-17A
Date Sampled:	02/18/94	01/06/94	01/06/94	01/11/94	01/19/94	01/21/94

	UNITS	69-RS-06	69-FB-01	69-FB-02	74-RS-01	74-RS-03	74-RS-05
Aluminum	UG/L	139.0 UJ	120.0	119.0 U	119.0 U	119.0 U	N/A
Antimony	UG/L	7.60 U	7.90 U	7.90 U	7.90 U	7.90 U	N/A
Arsenic	UG/L	2.20 U	2.90 U	2.90 U	2.90 U	2.90 U	N/A
Barium	UG/L	12.4 U	13.7	13.7 U	13.7 U	13.7 U	N/A
Beryllium	UG/L	0.760 U	1.30 U	1.30 U	1.29 U	1.29 U	N/A
Cadmium	UG/L	3.19 U	2.40 U	2.40 U	2.35 U	2.35 U	N/A
Calcium	UG/L	149.0 U	30300.0	144.0	242.0 U	308.0 U	N/A
Chromium	UG/L	8.31 U	7.20 UJ	7.20 UJ	9.42	7.35 U	N/A
Cobalt	UG/L	16.0 U	19.4 U	19.4 U	19.4 U	19.4 U	N/A
Copper	UG/L	16.3 U	16.2 U	16.2 U	16.2 U	16.2 U	N/A
Iron	UG/L	54.9 U	4240.0	52.5 U	112.0	52.5 U	N/A
Lead	UG/L	1.00 U	2.80 J	1.00 U	1.00 U	1.00 U	N/A
Magnesium	UG/L	71.4 U	2880.0	59.1 U	110.0	59.1 U	N/A
Manganese	UG/L	7.08 U	30.1	5.30 U	5.25 U	5.25 U	N/A
Mercury	UG/L	0.152 U	0.120 U	0.120 U	0.113 U	0.100 U	N/A
Nickel	UG/L	28.8 U	13.6 U	13.6 U	13.6 U	13.6 U	N/A
Potassium	UG/L	763 U	1550.0	300.0 U	500 U	763 U	N/A
Selenium	UG/L	1.60 UJ	2.50 UJ	2.50 UJ	2.53 UJ	4.08	N/A
Silver	UG/L	1.60 U	0.400 UJ	0.400 UJ	0.40 UJ	0.400 UJ	N/A
Sodium	UG/L	368 U	50400.0	190.0 U	525	359 U	N/A
Thallium	UG/L	3.00 U	4.60 UJ	4.60 U	4.60 U	4.60 U	N/A
Vanadium	UG/L	20.4 U	16.6 U	16.6 U	16.6 U	16.6 U	N/A
Zinc	UG/L	10.9 U	80.0	16.2 U	42.8 U	10.4 U	N/A
Total Cyanide	UG/L	5.00 U	N/A	N/A	N/A	5.00 U	5.00 U

DATA AND FREQUENCY SUMMARY
 OPERABLE UNIT NO. 4 (SITES 41,69, AND 74)
 QUALITY ASSURANCE / QUALITY CONTROL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 TAL TOTAL METALS

Client Sample ID:	74-RS-07	74-RS-08	74-RS-09	74-RS-11
Laboratory Sample ID:	9401138-13	9401148-20A	9402132-03	9402179-01
Date Sampled:	01/23/94	01/25/94	02/16/94	02/21/94

	UNITS				
Aluminum	UG/L	119.0 U	119.0 U	139.0 UJ	139.0 U
Antimony	UG/L	7.90 U	7.90 U	7.60 UJ	7.60 U
Arsenic	UG/L	2.90 U	2.90 U	2.20 U	2.20 U
Barium	UG/L	13.7 U	13.7 U	12.4 U	12.4 U
Beryllium	UG/L	1.29 U	1.29 U	0.760 U	0.760 U
Cadmium	UG/L	2.35 U	2.35 U	3.19 U	3.19 U
Calcium	UG/L	152.0 U	224.0 U	149.0 U	149.0 U
Chromium	UG/L	7.20 U	7.35 U	8.31 U	8.31 U
Cobalt	UG/L	19.4 U	19.4 U	16.0 U	16.0 U
Copper	UG/L	16.2 U	16.2 U	16.3 U	16.3 U
Iron	UG/L	52.5 U	52.5 U	54.9 R	64.9
Lead	UG/L	1.00 UJ	1.00 U	1.00 U	1.00 U
Magnesium	UG/L	59.1 U	59.1 U	71.9 U	71.9 U
Manganese	UG/L	5.25 U	5.25 U	7.08 U	7.08 U
Mercury	UG/L	0.100 U	0.100 U	0.166 U	0.105
Nickel	UG/L	13.6 U	13.6 U	28.8 U	28.8 U
Potassium	UG/L	763 U	300,000 U	763 U	763 U
Selenium	UG/L	2.53 U	2.53 UJ	1.60 UJ	1.60 U
Silver	UG/L	0.400 UJ	0.400 UJ	1.60 U	1.60 U
Sodium	UG/L	307	186,000 U	368 U	368 U
Thallium	UG/L	4.60 U	4.60 U	3.00 U	3.00 U
Vanadium	UG/L	16.6 U	16.6 U	20.4 U	20.4 U
Zinc	UG/L	8.32 U	10.9	11.5 UR	16.4 U
Total Cyanide	UG/L	5.00 U	5.00 U	5.00 U	5.00 U

DATA AND FREQUENCY SUMMARY
 OPERABLE UNIT NO. 4 (SITES 41, 69, AND 74)
 QUALITY ASSURANCE / QUALITY CONTROL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 TAL TOTAL METALS

Client Sample ID:						LOCATION OF	FREQUENCY
Laboratory Sample ID:	MINIMUM	MAXIMUM	MINIMUM	MAXIMUM		MAXIMUM	OF
Date Sampled:	NONDETECTED	NONDETECTED	DETECTED	DETECTED		DETECTED	DETECTION
	UNITS						
Aluminum	UG/L	119 U	139 U	120	120	69-FB-01	1/21
Antimony	UG/L	7.6 UJ	7.9 U	7.9 R	14.1 J	69-RS-03	3/21
Arsenic	UG/L	2.2 UJ	2.9 U	ND	ND		0/21
Barium	UG/L	12.4 U	16.8 U	13.7	13.7	74-RS-08	1/21
Beryllium	UG/L	0.76 U	3.21 U	ND	ND		0/21
Cadmium	UG/L	2.35 U	4.2 U	3.2	3.2	41-RS-01	1/21
Calcium	UG/L	125 U	441 U	144	30300	69-FB-01	4/21
Chromium	UG/L	7.2 UJ	9.6 U	9.42	9.42	74-RS-01	1/21
Cobalt	UG/L	16 U	31.2 U	ND	ND		0/21
Copper	UG/L	16.2 U	23.9 U	ND	ND		0/21
Iron	UG/L	52.5 U	54.9 UJ	54.9 R	4240	69-FB-01	7/21
Lead	UG/L	1 UJ	1 UJ	1.05	2.8 J	69-FB-01	2/21
Magnesium	UG/L	59.1 U	71.9 U	110	2880	69-FB-01	2/21
Manganese	UG/L	5.25 U	14.4 U	30.1	30.1	69-FB-01	1/21
Mercury	UG/L	0.063 U	0.178 U	0.105	0.105	74-RS-11	1/21
Nickel	UG/L	13.6 U	31.2 U	ND	ND		0/21
Potassium	UG/L	300 U	763 U	1550	1550	69-FB-01	1/21
Selenium	UG/L	1.6 U	2.53 U	2.92 J	4.08	74-RS-03	3/21
Silver	UG/L	0.4 U	1.6 U	1.6 R	1.6 R	74-RS-11	1/21
Sodium	UG/L	186 U	368 U	271	50400	69-FB-01	4/21
Thallium	UG/L	3 U	4.6 U	ND	ND		0/21
Vanadium	UG/L	16.6 U	20.4 U	ND	ND		0/21
Zinc	UG/L	7.02 U	42.8 U	10.9	80	69-FB-01	6/21
Total Cyanide	UG/L	5 U	5 U	ND	ND		0/13

DATA AND FREQUENCY SUMMARY
OPERABLE UNIT NO. 4 (SITES 41,69, AND 74)
QUALITY ASSURANCE / QUALITY CONTROL
MCB CAMP LEJEUNE, NORTH CAROLINA
REMEDIAL INVESTIGATION - CTO-0212
TAL DISSOLVED METALS

Client Sample ID:	41-RSD-09	41-RSD-13	69-RSD-06	74-RSD-09
Laboratory Sample ID:	9402118-02	9402161-06A	9402150-04	9402132-04
Date Sampled:	02/15/94	02/20/94	02/18/94	02/16/94

	<u>UNITS</u>				
Aluminum	UG/L	139.0 U	139.0 U	139.0 UJ	139.0 UJ
Antimony	UG/L	7.60 U	17.0	8.89	9.49 J
Arsenic	UG/L	2.20 U	2.20 U	2.20 U	2.20 U
Barium	UG/L	12.4 U	16.8 U	12.4 U	12.4 U
Beryllium	UG/L	0.760 U	3.21 U	0.760 U	0.760 U
Cadmium	UG/L	3.19 U	4.20 U	3.19 U	3.19 U
Calcium	UG/L	149.0 U	441.0 U	149.0 U	149.0 U
Chromium	UG/L	8.31 U	9.60 U	8.31 U	8.31 U
Cobalt	UG/L	16.0 U	31.2 U	16.0 U	16.0 U
Copper	UG/L	16.3 U	23.9 U	16.3 U	16.3 U
Iron	UG/L	54.9 U	71.1 U	54.9 U	54.9 R
Lead	UG/L	1.00 U	1.00 U	1.00 U	1.00 U
Magnesium	UG/L	71.9 U	71.4 U	71.4 U	71.9 U
Manganese	UG/L	7.08 U	14.4 U	7.08 U	7.08 U
Mercury	UG/L	0.131 U	0.144 U	0.165 U	0.172 U
Nickel	UG/L	28.8 U	31.2 U	28.8 U	28.8 U
Potassium	UG/L	763 U	763.000 U	763 U	763 U
Selenium	UG/L	1.60 U	1.60 UJ	1.60 UJ	1.60 UJ
Silver	UG/L	1.60 U	1.60 R	1.60 U	1.60 U
Sodium	UG/L	368 U	368.000 U	414	368 U
Thallium	UG/L	3.00 U	3.00 U	3.00 U	3.00 U
Vanadium	UG/L	20.4 U	20.4 U	20.4 U	20.4 U
Zinc	UG/L	10.6 U	15.8 U	10.6 U	11.2 UR

DATA AND FREQUENCY SUMMARY
 OPERABLE UNIT NO. 4 (SITES 41,69, AND 74)
 QUALITY ASSURANCE / QUALITY CONTROL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 TAL DISSOLVED METALS

Client Sample ID:						
Laboratory Sample ID:	MINIMUM	MAXIMUM	MINIMUM	MAXIMUM	LOCATION OF	FREQUENCY
Date Sampled:	NONDETECTED	NONDETECTED	DETECTED	DETECTED	MAXIMUM	OF
					DETECTED	DETECTION
	<u>UNITS</u>					
Aluminum	UG/L	139 U	139 U	ND	ND	0/4
Antimony	UG/L	7.6 U	7.6 U	8.89	17	41-RSD-13 3/4
Arsenic	UG/L	2.2 U	2.2 U	ND	ND	0/4
Barium	UG/L	12.4 U	16.8 U	ND	ND	0/4
Beryllium	UG/L	0.76 U	3.21 U	ND	ND	0/4
Cadmium	UG/L	3.19 U	4.2 U	ND	ND	0/4
Calcium	UG/L	149 U	441 U	ND	ND	0/4
Chromium	UG/L	8.31 U	9.6 U	ND	ND	0/4
Cobalt	UG/L	16 U	31.2 U	ND	ND	0/4
Copper	UG/L	16.3 U	23.9 U	ND	ND	0/4
Iron	UG/L	54.9 U	71.1 U	54.9 R	54.9 R	74-RSD-09 1/4
Lead	UG/L	1 U	1 U	ND	ND	0/4
Magnesium	UG/L	71.4 U	71.9 U	ND	ND	0/4
Manganese	UG/L	7.08 U	14.4 U	ND	ND	0/4
Mercury	UG/L	0.131 U	0.172 U	ND	ND	0/4
Nickel	UG/L	28.8 U	31.2 U	ND	ND	0/4
Potassium	UG/L	763 U	763 U	ND	ND	0/4
Selenium	UG/L	1.6 U	1.6 U	ND	ND	0/4
Silver	UG/L	1.6 U	1.6 U	1.6 R	1.6 R	74-RSD-09 1/4
Sodium	UG/L	368 U	368 U	414	414	69-RSD-06 1/4
Thallium	UG/L	3 U	3 U	ND	ND	0/4
Vanadium	UG/L	20.4 U	20.4 U	ND	ND	0/4
Zinc	UG/L	10.6 U	15.8 U	ND	ND	0/4

APPENDIX M
SAMPLING SUMMARY

**SOIL - SITE 41
CTO-19212**

DATE SHIPPED	SAMPLE ID	Analysis Requested											Analysis Received											DATE RECD	TURNAROUND TIME	SDG NO.	COMMENTS
		TCL VOA	TCL SVOA	TCL PEST/PCB	TAL METALS	TAL METALS (D)	CSM	THIODIGLYCOL	MIREX	ORDNANCE	ENG PARAMETERS	CYANIDE	TCL VOA	TCL SVOA	TCL PEST/PCB	TAL METALS	TAL METALS (D)	CSM	THIODIGLYCOL	MIREX	ORDNANCE	ENG PARAMETERS	CYANIDE				
2/1/94	41-OS-SB01-00	x	x	x	x		x	x	x	x		x	x	x	x		x	x	x	x		x	3/24/94	53	20		
2/1/94	41-OS-SB01-02	x	x	x	x		x	x	x	x		x	x	x	x		x	x	x	x		x	3/24/94	53	20		
2/1/94	41-OS-SB01-05	x	x	x	x		x	x	x	x		x	x	x	x		x	x	x	x		x	3/24/94	53	20	Samples	
2/1/94	41-RS-01	x	x	x	x		x	x	x	x		x	x	x	x		x	x	x	x		x	3/24/94	53	20	Rinsate Hand Auger	
2/1/94	41-TB-01	x										x											3/24/94	53	20	Trip Blank	
2/1/94	41-OS-SB02-00	x	x	x	x		x	x	x	x		x	x	x	x		x	x	x	x		x	3/24/94	53	20	MS/MSD	
2/1/94	41-OS-SB02-00D	x	x	x	x		x	x	x	x		x	x	x	x		x	x	x	x		x	3/24/94	53	20		
2/1/94	41-OS-SB02-02	x	x	x	x		x	x	x	x		x	x	x	x		x	x	x	x		x	3/24/94	53	20		
2/1/94	41-OS-SB02-03	x	x	x	x		x	x	x	x		x	x	x	x		x	x	x	x		x	3/24/94	53	20		
2/1/94	41-OS-SB03-00	x	x	x	x		x	x	x	x		x	x	x	x		x	x	x	x		x	3/24/94	53	20		
2/1/94	41-OS-SB03-01	x	x	x	x		x	x	x	x		x	x	x	x		x	x	x	x		x	3/24/94	53	20		
2/2/94	41-OS-SB05-00	x	x	x	x		x	x	x	x		x	x	x	x		x	x	x	x		x	4/20/94	78	24	rec 4/4-no P/PCB	
2/2/94	41-OS-SB05-01	x	x	x	x		x	x	x	x		x	x	x	x		x	x	x	x		x	4/20/94	78	24	rec 4/4-no P/PCB	
2/2/94	41-OS-SB09-00	x	x	x	x		x	x	x	x		x	x	x	x		x	x	x	x		x	4/20/94	78	24	rec 4/4-no P/PCB	
2/2/94	41-OS-SB09-01	x	x	x	x		x	x	x	x		x	x	x	x		x	x	x	x		x	4/20/94	78	24	rec 4/4-no P/PCB	
2/2/94	41-OS-SB07-00	x	x	x	x		x	x	x	x		x	x	x	x		x	x	x	x		x	4/20/94	78	24	rec 4/4-no P/PCB	
2/2/94	41-OS-SB07-01	x	x	x	x		x	x	x	x		x	x	x	x		x	x	x	x		x	4/20/94	78	24	rec 4/4-no P/PCB	
2/2/94	41-OS-SB07-02	x	x	x	x		x	x	x	x		x	x	x	x		x	x	x	x		x	4/20/94	78	24	rec 4/4-no P/PCB	
2/2/94	41-OS-SB12-00	x	x	x	x		x	x	x	x		x	x	x	x		x	x	x	x		x	4/20/94	78	24	rec 4/4-no P/PCB	
2/2/94	41-OS-SB12-02	x	x	x	x		x	x	x	x		x	x	x	x		x	x	x	x		x	4/20/94	78	24	rec 4/4-no P/PCB	
2/2/94	41-DS-SB01-00	x	x	x	x		x	x	x	x		x	x	x	x		x	x	x	x		x	4/20/94	78	24	rec 4/4-no P/PCB	
2/2/94	41-DS-SB04-00	x	x	x	x		x	x	x	x		x	x	x	x		x	x	x	x		x	4/20/94	78	24	rec 4/4-no P/PCB	
2/2/94	41-DS-SB05-00	x	x	x	x		x	x	x	x		x	x	x	x		x	x	x	x		x	4/20/94	78	24	rec 4/4-no P/PCB	
2/2/94	41-DS-SB06-00	x	x	x	x		x	x	x	x		x	x	x	x		x	x	x	x		x	4/20/94	78	24	rec 4/4-no P/PCB	
2/2/94	41-DS-SB07-00	x	x	x	x		x	x	x	x		x	x	x	x		x	x	x	x		x	4/20/94	78	24	rec 4/4-no P/PCB	
2/2/94	41-DS-SB09-00	x	x	x	x		x	x	x	x		x	x	x	x		x	x	x	x		x	4/20/94	78	24	rec 4/4-no P/PCB	
2/2/94	41-DS-SB10-00	x	x	x	x		x	x	x	x		x	x	x	x		x	x	x	x		x	4/20/94	78	24	rec 4/4-no P/PCB	
2/2/94	41-DS-SB11-00	x	x	x	x		x	x	x	x		x	x	x	x		x	x	x	x		x	4/20/94	78	24	rec 4/4-no P/PCB	
2/2/94	41-DS-SB12-00	x	x	x	x		x	x	x	x		x	x	x	x		x	x	x	x		x	4/20/94	78	24	rec 4/4-no P/PCB	
2/2/94	41-OS-SB23-00	x	x	x	x		x	x	x	x		x	x	x	x		x	x	x	x		x	5/4/94	92	23	rec 4/7-no P/PCB	

**SEDIMENT - SITE 41
CTO-19212**

DATE SHIPPED	SAMPLE ID	Analysis Requested									Analysis Received									DATE REC'D	TURNAROUND TIME	SDG NO.	COMMENTS			
		TCL VOA	TCL SVOA	TCL PEST/PCB	TAL METALS	CSM	MIREX	ORDNANCE				TCL VOA	TCL SVOA	TCL PEST/PCB	TAL METALS	CSM	MIREX	ORDNANCE								
2/7/94	41-TC-SD09-612	x	x	x	x		x	x			x	x	x	x		x	x				4/20/94	73	29	rec 4/8; no P/PCB		
2/7/94	41-TC-SD06-06	x	x	x	x		x	x			x	x	x	x		x	x				4/20/94	73	29	rec 4/8; no P/PCB		
2/7/94	41-TC-SD06-612	x	x	x	x		x	x			x	x	x	x		x	x				4/20/94	73	29	rec 4/8; no P/PCB		
2/7/94	41-TC-SD07-06	x	x	x	x		x	x			x	x	x	x		x	x				4/20/94	73	29	rec 4/8; no P/PCB		
2/7/94	41-TC-SD07-612	x	x	x	x		x	x			x	x	x	x		x	x				4/20/94	73	29	rec 4/8; no P/PCB		
2/9/94	41-NE-SD05-06	x	x	x	x		x	x			x	x	x	x		x	x				4/20/94	71	29	rec 4/8; no P/PCB		
2/9/94	41-NE-SD05-612	x	x	x	x		x	x			x	x	x	x		x	x				4/20/94	71	29	rec 4/8; no P/PCB		
																					0					
																						0				
																						0				
																						0				
																						0				
																						0				
																						0				
																						0				
																						0				
																						0				
																						0				
																						0				
																						0				
COUNT		33	32	32	32	0	32	32	0	0	33	32	30	32	0	32	32	0	0							

SOIL - SITE 41
CTO-19212

DATE SHIPPED	SAMPLE ID	Analysis Requested											Analysis Received											DATE REC'D	TURNAROUND TIME	SDG NO.	COMMENTS
		TCL VOA	TCL SVOA	TCL PEST/PCB	TAL METALS	TAL METALS (D)	CSM	THIODYGLYCOL	MIREX	ORDNANCE	ENG PARAMETERS	CYANIDE	TCL VOA	TCL SVOA	TCL PEST/PCB	TAL METALS	TAL METALS (D)	CSM	THIODYGLYCOL	MIREX	ORDNANCE	ENG PARAMETERS	CYANIDE				
2/4/94	41-OS-SB10-00D	x	x	x	x		x	x	x	x		x	x	x	x		x	x	x	x		x	5/4/94	90	28	rec 4/8; no P/PCB	
2/4/94	41-OS-SB10-01	x	x	x	x		x	x	x	x		x	x	x	x		x	x	x	x		x	5/4/94	90	28	rec 4/8; no P/PCB	
2/4/94	41-GW-09DW-02	x	x	x	x							x	x	x	x							x	4/15/94	71	19	rec 3/31-no P/PCBs	
2/4/94	41-GW-09DW-05	x	x	x	x							x	x	x	x							x	4/15/94	71	19	rec 3/31-no P/PCBs	
2/4/94	41-OS-SB18-00	x	x	x	x		x	x	x	x		x	x	x	x		x	x	x	x		x	5/4/94	90	25	MS/MSD; rec 3/31-no P/PCBs	
2/4/94	41-OS-SB18-00D	x	x	x	x		x	x	x	x		x	x	x	x		x	x	x	x		x	5/4/94	90	25	rec 3/31-no P/PCBs	
2/4/94	41-OS-SB18-01	x	x	x	x		x	x	x	x		x	x	x	x		x	x	x	x		x	5/4/94	90	25	rec 3/31-no P/PCBs	
2/4/94	41-OS-SB22-00	x	x	x	x		x	x	x	x		x	x	x	x		x	x	x	x		x	5/4/94	90	25	rec 3/31-no P/PCBs	
2/4/94	41-OS-SB22-01	x	x	x	x		x	x	x	x		x	x	x	x		x	x	x	x		x	5/4/94	90	25	rec 3/31-no P/PCBs	
2/4/94	41-OS-SB22-03	x	x	x	x		x	x	x	x		x	x	x	x		x	x	x	x		x	5/4/94	90	25	rec 3/31-no P/PCBs	
2/4/94	41-OS-SB24-00	x	x	x	x		x	x	x	x		x	x	x	x		x	x	x	x		x	5/4/94	90	25	rec 3/31-no P/PCBs	
2/4/94	41-OS-SB24-01	x	x	x	x		x	x	x	x		x	x	x	x		x	x	x	x		x	5/4/94	90	25	rec 3/31-no P/PCBs	
2/4/94	41-OS-SB24-02	x	x	x	x		x	x	x	x		x	x	x	x		x	x	x	x		x	5/4/94	90	25	rec 3/31-no P/PCBs	
2/5/94	41-OS-SB15-00	x	x	x	x		x	x	x	x		x	x	x	x		x	x	x	x		x	5/4/94	89	28	rec 4/8-no P/PCB	
2/5/94	41-OS-SB15-01	x	x	x	x		x	x	x	x		x	x	x	x		x	x	x	x		x	5/4/94	89	28	rec 4/8-no P/PCB	
2/5/94	41-OS-SB15-02	x	x	x	x		x	x	x	x		x	x	x	x		x	x	x	x		x	5/4/94	89	28	rec 4/8-no P/PCB	
2/5/94	41-GW10-01	x	x	x	x						x	x	x	x	x						x		4/15/94	70	19	TOC; rec. 3/31-no P/PCBs	
2/5/94	41-RS-05	x	x	x	x							x	x	x	x							x	4/15/94	70	19	Rinsate - Hand auger; rec 3/30-no P/PCB	
2/5/94	41-OS-SB29-00	x	x	x	x							x	x	x	x							x	4/15/94	70	19	rec. 3/31-no P/PCBs	
2/5/94	41-OS-SB29-01	x	x	x	x							x	x	x	x							x	4/15/94	70	19	rec. 3/31-no P/PCBs	
2/5/94	41-OS-SB30-00	x	x	x	x							x	x	x	x							x	4/15/94	70	19	rec. 3/31-no P/PCBs	
2/5/94	41-OS-SB30-01	x	x	x	x							x	x	x	x							x	4/15/94	70	19	rec. 3/31-no P/PCBs	
2/5/94	41-TB-06	x										x											3/31/94	56	19	Trip Blank	
2/5/94	41-OS-SB33-00	x	x	x	x							x	x	x	x							x	4/15/94	70	19	rec. 3/31-no P/PCBs	
2/5/94	41-OS-SB33-01	x	x	x	x							x	x	x	x							x	4/15/94	70	19	rec. 3/31-no P/PCBs	
2/7/94	41-OS-SB06-00	x	x	x	x		x	x	x	x		x	x	x	x		x	x	x	x		x	5/4/94	87	28	rec 4/8; no P/PCB	
2/7/94	41-OS-SB06-01	x	x	x	x		x	x	x	x		x	x	x	x		x	x	x	x		x	5/4/94	87	28	rec 4/8; no P/PCB	
2/7/94	41-OS-SB06-03	x	x	x	x		x	x	x	x		x	x	x	x		x	x	x	x		x	5/4/94	87	28	rec 4/8; no P/PCB	
2/7/94	41-OS-SB04-00	x	x	x	x		x	x	x	x		x	x	x	x		x	x	x	x		x	5/4/94	87	28	rec 4/8; no P/PCB	
2/7/94	41-OS-SB04-02	x	x	x	x		x	x	x	x		x	x	x	x		x	x	x	x		x	5/4/94	87	28	rec 4/8; no P/PCB	

**SOIL - SITE 41
CTO-19212**

DATE SHIPPED	SAMPLE ID	Analysis Requested											Analysis Received											DATE RECD	TURNAROUND TIME	SDO NO.	COMMENTS
		TCL VOA	TCL SVOA	TCL PEST/PCB	TAL METALS	TAL METALS (D)	CSM	THIODYGLYCOL	MIREX	ORDNANCE	ENG PARAMETERS	CYANIDE	TCL VOA	TCL SVOA	TCL PEST/PCB	TAL METALS	TAL METALS (D)	CSM	THIODYGLYCOL	MIREX	ORDNANCE	ENG PARAMETERS	CYANIDE				
2/2/94	41-OS-SB23-01	x	x	x	x		x	x	x	x		x	x	x	x		x	x	x	x		x	5/4/94	92	23	rec 4/7-no P/PCB	
2/2/94	41-OS-SB19-00	x	x	x	x		x	x	x	x		x	x	x	x		x	x	x	x		x	5/4/94	92	23	rec 4/7-no P/PCB	
2/2/94	41-OS-SB19-01	x	x	x	x		x	x	x	x		x	x	x	x		x	x	x	x		x	5/4/94	92	23	rec 4/7-no P/PCB	
2/2/94	41-OS-SB16-00	x	x	x	x		x	x	x	x		x	x	x	x		x	x	x	x		x	5/4/94	92	23	rec 4/7-no P/PCB	
2/2/94	41-OS-SB16-01	x	x	x	x		x	x	x	x		x	x	x	x		x	x	x	x		x	5/4/94	92	23	rec 4/7-no P/PCB	
2/2/94	41-DS-SB08-00	x	x	x	x		x	x	x	x		x	x	x	x		x	x	x	x		x	5/4/94	92	23	rec 4/7-no P/PCB	
2/2/94	41-SB-DS08-00D	x	x	x	x		x	x	x	x		x	x	x	x		x	x	x	x		x	5/4/94	92	23	MS/MSD; rec 4/7-no PCB	
2/2/94	41-DS-SB02-00	x	x	x	x		x	x	x	x		x	x	x	x		x	x	x	x		x	5/4/94	92	23	rec 4/7-no P/PCB	
2/2/94	41-DS-SB03-00	x	x	x	x		x	x	x	x		x	x	x	x		x	x	x	x		x	5/4/94	92	23	No MS/MSD only DUP; rec 4/7-no P/PCB	
2/2/94	41-DS-SB03-00D	x	x	x	x		x	x	x	x		x	x	x	x		x	x	x	x		x	5/4/94	92	23	rec 4/7-no P/PCB	
2/2/94	41-BB-SB01-00	x	x	x	x		x	x	x	x		x	x	x	x		x	x	x	x		x	5/4/94	92	23	rec 4/7-no P/PCB	
2/2/94	41-BB-SB02-00	x	x	x	x		x	x	x	x		x	x	x	x		x	x	x	x		x	5/4/94	92	23	rec 4/7-no P/PCB	
2/2/94	41-BB-SB03-00	x	x	x	x		x	x	x	x		x	x	x	x		x	x	x	x		x	5/4/94	92	23	rec 4/7-no P/PCB	
2/2/94	41-BB-SB04-00	x	x	x	x		x	x	x	x		x	x	x	x		x	x	x	x		x	5/4/94	92	23	rec 4/7-no P/PCB	
2/2/94	41-TB-02	x										x											4/7/94	65	23	Trip Blank	
2/2/94	41-RS-02	x																						###			Rinse (HOLD Do Not Analyze)
2/3/94	41-OS-SB17-01	x	x	x	x		x	x	x	x		x	x	x	x		x	x	x	x		x	5/4/94	91	25	rec 3/31-no P/PCB	
2/3/94	41-OS-SB17-02	x	x	x	x		x	x	x	x		x	x	x	x		x	x	x	x		x	5/4/94	91	25	rec 3/31-no P/PCB	
2/3/94	41-OS-SB17-00	x	x	x	x		x	x	x	x		x	x	x	x		x	x	x	x		x	5/4/94	91	25	rec 3/31-no P/PCB	
2/3/94	41-OS-SB20-00	x	x	x	x		x	x	x	x		x	x	x	x		x	x	x	x		x	5/4/94	91	25	rec 3/31-no P/PCB	
2/3/94	41-OS-SB21-00	x	x	x	x		x	x	x	x		x	x	x	x		x	x	x	x		x	5/4/94	91	25	rec 3/31-no P/PCBs	
2/3/94	41-OS-SB21-01	x	x	x	x		x	x	x	x		x	x	x	x		x	x	x	x		x	5/4/94	91	25	rec 3/31-no P/PCBs	
2/3/94	41-OS-SB21-02	x	x	x	x		x	x	x	x		x	x	x	x		x	x	x	x		x	5/4/94	91	25	rec 3/31-no P/PCBs	
2/3/94	41-OS-SB13-00	x	x	x	x		x	x	x	x		x	x	x	x		x	x	x	x		x	5/4/94	91	25	rec 3/31-no P/PCBs	
2/3/94	41-GW09-02	x	x	x	x							x	x	x	x							x	4/15/94	72	19	rec 3/31-no P/PCBs	
2/3/94	41-GW09-04	x	x	x	x							x	x	x	x							x	4/15/94	72	19	rec 3/31-no P/PCBs	
2/4/94	41-OS-SB14-00	x	x	x	x		x	x	x	x		x	x	x	x		x	x	x	x		x	5/4/94	90	28	rec 4/8; no P/PCB	
2/4/94	41-OS-SB14-01	x	x	x	x		x	x	x	x		x	x	x	x		x	x	x	x		x	5/4/94	90	28	rec 4/8; no P/PCB	
2/4/94	41-OS-SB14-02	x	x	x	x		x	x	x	x		x	x	x	x		x	x	x	x		x	5/4/94	90	28	rec 4/8; no P/PCB	
2/4/94	41-OS-SB10-00	x	x	x	x		x	x	x	x		x	x	x	x		x	x	x	x		x	5/4/94	90	28	rec 4/8; no P/PCB	

SOIL - SITE 41
CTO-19212

DATE SHIPPED	SAMPLE ID	Analysis Requested											Analysis Received											DATE REC'D	TURNAROUND TIME	SDG NO.	COMMENTS
		TCL VOA	TCL SVOA	TCL PEST/PCB	TAL METALS	TAL METALS (D)	CSM	THIODYGLYCOL	MIREX	ORDNANCE	ENG PARAMETERS	CYANIDE	TCL VOA	TCL SVOA	TCL PEST/PCB	TAL METALS	TAL METALS (D)	CSM	THIODYGLYCOL	MIREX	ORDNANCE	ENG PARAMETERS	CYANIDE				
2/7/94	41-OS-SB04-03	x	x	x	x		x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	5/4/94	87	28	rec 4/8; no P/PCB	
2/7/94	41-GW11-01	x	x	x	x						x	x	x	x	x							x	5/4/94	87	31	rec 4/6; no P/PCB	
2/7/94	41-GW11-03	x	x	x	x						x	x	x	x	x							x	5/4/94	87	31	rec 4/6; no P/PCB	
2/7/94	41-GW07-01	x	x	x	x						x	x	x	x	x							x	5/4/94	87	31	MS/MSD; rec 4/6; no P/PCB	
2/7/94	41-GW07-01D	x	x	x	x						x	x	x	x	x							x	5/4/94	87	31	rec 4/6; no P/PCB	
2/7/94	41-GW07-04	x	x	x	x						x	x	x	x	x							x	5/4/94	87	31	MS/MSD; rec 4/6; no P/PCB	
2/7/94	41-GW07-04D	x	x	x	x						x	x	x	x	x							x	5/4/94	87	31	rec 4/6; no P/PCB	
2/7/94	41-GW07DW-02	x	x	x	x						x	x	x	x	x							x	5/4/94	87	31	rec 4/6; no P/PCB	
2/7/94	41-GW07DW-02D	x	x	x	x						x	x	x	x	x							x	5/4/94	87	31	rec 4/6; no P/PCB	
2/7/94	41-GW07DW-06	x	x	x	x						x	x	x	x	x							x	5/4/94	87	31	rec 4/6; no P/PCB	
2/7/94	41-GW07DW-06D	x	x	x	x						x	x	x	x	x							x	5/4/94	87	31	rec 4/6; no P/PCB	
2/7/94	41-OS-SB11-00	x	x	x	x		x	x	x	x	x	x	x	x	x		x	x	x	x	x	x	5/4/94	87	28	rec 4/8; no P/PCB	
2/7/94	41-OS-SB11-01	x	x	x	x		x	x	x	x	x	x	x	x	x		x	x	x	x	x	x	5/4/94	87	28	rec 4/8; no P/PCB	
2/7/94	41-OS-SB08-00	x	x	x	x		x	x	x	x	x	x	x	x	x		x	x	x	x	x	x	5/4/94	87	28	rec 4/8; no P/PCB	
2/7/94	41-OS-SB08-01	x	x	x	x		x	x	x	x	x	x	x	x	x		x	x	x	x	x	x	5/4/94	87	28	rec 4/8; no P/PCB	
2/7/94	41-OS-SB25-00	x	x	x	x						x	x	x	x	x							x	4/20/94	73	32	rec 4/6; no P/PCB	
2/7/94	41-OS-SB25-01	x	x	x	x						x	x	x	x	x							x	4/20/94	73	32	rec 4/6; no P/PCB	
2/7/94	41-OS-SB26-00	x	x	x	x						x	x	x	x	x							x	4/20/94	73	32	rec 4/6; no P/PCB	
2/7/94	41-OS-SB26-01	x	x	x	x						x	x	x	x	x							x	4/20/94	73	32	rec 4/6; no P/PCB	
2/7/94	41-OS-SB27-00	x	x	x	x						x	x	x	x	x							x	4/20/94	73	32	rec 4/6; no P/PCB	
2/7/94	41-OS-SB27-00D	x	x	x	x						x	x	x	x	x							x	4/20/94	73	32	rec 4/6; no P/PCB	
2/7/94	41-OS-SB27-01	x	x	x	x						x	x	x	x	x							x	4/20/94	73	32	rec 4/6; no P/PCB	
2/7/94	41-OS-SB28-00	x	x	x	x						x	x	x	x	x							x	4/20/94	73	32	rec 4/6; no P/PCB	
2/7/94	41-OS-SB28-01	x	x	x	x						x	x	x	x	x							x	4/20/94	73	32	rec 4/6; no P/PCB	
2/7/94	41-OS-SB31-00	x	x	x	x						x	x	x	x	x							x	4/20/94	73	32	rec 4/6; no P/PCB	
2/7/94	41-OS-SB31-01	x	x	x	x						x	x	x	x	x							x	4/20/94	73	32	rec 4/6; no P/PCB	
2/7/94	41-OS-SB32-00	x	x	x	x						x	x	x	x	x							x	4/20/94	73	32	rec 4/6; no P/PCB	
2/7/94	41-OS-SB32-01	x	x	x	x						x	x	x	x	x							x	4/20/94	73	32	rec 4/6; no P/PCB	
2/7/94	41-OS-SB32-01D	x	x	x	x						x	x	x	x	x							x	4/20/94	73	32	MS/MSD; rec 4/6 no P/PCB	
2/7/94	41-OS-SB34-00	x	x	x	x						x	x	x	x	x							x	4/20/94	73	32	rec 4/6; no P/PCB	

**SOIL - SITE 41
CTO-19212**

DATE SHIPPED	SAMPLE ID	Analysis Requested											Analysis Received											DATE REC'D	TURNAROUND TIME	SDG NO.	COMMENTS
		TCL VOA	TCL SVOA	TCL PEST/PCB	TAL METALS	TAL METALS (D)	CSM	THIODYGLYCOL	MIREX	ORDNANCE	ENG PARAMETERS	CYANIDE	TCL VOA	TCL SVOA	TCL PEST/PCB	TAL METALS	TAL METALS (D)	CSM	THIODYGLYCOL	MIREX	ORDNANCE	ENG PARAMETERS	CYANIDE				
2/7/94	41-OS-SB34-01	x	x	x	x						x	x	x	x	x								x	4/20/94	73	32	rec 4/6; no P/PCB
2/7/94	41-TB-07	x										x												4/6/94	59	32	Trip Blank
2/7/94	41-GW04DW-01	x	x	x	x						x	x	x	x	x								x	5/4/94	87	31	rec 4/6; no P/PCB
2/7/94	41-GW04DW-02	x	x	x	x						x	x	x	x	x								x	5/4/94	87	31	rec 4/6; no P/PCB
2/7/94	41-GW11DW-01	x	x	x	x						x	x	x	x	x								x	5/4/94	87	31	rec 4/6; no P/PCB
2/7/94	41-GW11DW-06	x	x	x	x						x	x	x	x	x								x	5/4/94	87	31	rec 4/6; no P/PCB
2/7/94	41-TB-09	x										x												3/28/94	51	30	Trip Blank
2/7/94	41-GW08-01	x	x	x	x						x	x	x	x	x								x	5/4/94	87	31	rec 4/6; no P/PCB
2/7/94	41-GW08-02	x	x	x	x						x	x	x	x	x								x	5/4/94	87	31	rec 4/6; no P/PCB
2/9/94	41-GW13-01	x	x	x	x						x	x	x	x	x								x	5/4/94	85	31	rec 4/6; no P/PCB
2/9/94	41-GW13-03	x	x	x	x						x	x	x	x	x								x	5/4/94	85	31	rec 4/6; no P/PCB
2/9/94	41-RS-01	x	x	x	x																			###			Rinsate - Aluminum Foil HOLD
2/9/94	41-TB-10	x										x												3/28/94	49	30	Trip Blank
2/9/94	41-GW12-01	x	x	x	x						x	x	x	x	x								x	5/4/94	85	31	rec 4/6; no P/PCB
2/9/94	41-GW12-02	x	x	x	x						x	x	x	x	x								x	5/4/94	85	31	rec 4/6; no P/PCB
2/15/94	41-RS-09		x	x	x		x	x	x	x	x		x	x	x	x	x	x	x	x	x	x	x	3/31/94	46	26	Rinsate - Bailor
2/15/94	41-RSD-09					x										x								3/31/94	46	26	Rinsate - Bailor
2/15/94	41-GW12DW-01	x	x	x	x						x	x	x	x	x								x	4/20/94	65	33	rec 4/6-no P/PCB
2/15/94	41-GW12DW-02	x	x	x	x						x	x	x	x	x								x	4/20/94	65	33	rec 4/6-no P/PCB
2/15/94	41-TB-12	x										x												4/6/94	51	33	Trip Blank
2/15/94	41-RS-10	x	x	x	x																			###			Rinsate - HOLD do not analyze SS Spoon
2/16/94	41-GW06DW-01	x	x	x	x						x	x	x	x	x								x	4/20/94	64	33	rec 4/6-no P/PCB
2/16/94	41-GW06DW-02	x	x	x	x						x	x	x	x	x								x	4/20/94	64	33	rec 4/6-no P/PCB
2/16/94	41-RS-11	x	x	x	x							x	x	x	x									4/20/94	64	33	Split Spoon; rec 4/6 no P/PCB
2/16/94	41-TB-13	x										x												4/6/94	50	33	Trip Blank
COUNT		143	135	135	135	1	80	80	80	80	2	131	140	133	133	133	1	80	80	80	80	2	131				

**GROUNDWATER - SITE 41
CTO-19212**

DATE SHIPPED	SAMPLE ID	Analysis Requested											Analysis Received											DATE RECD	TURNAROUND TIME	SDG NO.	COMMENTS
		TCL VOA	TCL SVOA	TCL PEST/PCB	TAL METALS	TAL METALS (D)	CYANIDE	CSM	MIREX	ORDNANCE	ENG PARAMETERS	THIODYGLYCOL	TCL VOA	TCL SVOA	TCL PEST/PCB	TAL METALS	TAL METALS (D)	CYANIDE	CSM	MIREX	ORDNANCE	ENG PARAMETERS	THIODYGLYCOL				
2/15/94	41-GW01-01	x	x	x	x		x	x	x	x		x	x	x	x		x	x	x	x		x	3/31/94	46	26		
2/15/94	41-GW01D-01					x									x								3/31/94	46	26		
2/15/94	41-GW05-01	x	x	x	x		x	x	x	x		x	x	x	x		x	x	x	x		x	3/31/94	46	26		
2/15/94	41-GW05D-01					x									x								3/31/94	46	26		
2/15/94	41-GW02-01	x	x	x	x		x	x	x	x		x	x	x	x		x	x	x	x		x	3/31/94	46	26		
2/15/94	41-GW03-01	x	x	x	x		x	x	x	x		x	x	x	x		x	x	x	x		x	3/31/94	46	26		
2/15/94	41-GW04-01	x	x	x	x		x	x	x	x		x	x	x	x		x	x	x	x		x	3/31/94	46	26		
2/15/94	41-GW02-01D	x	x	x	x		x	x	x	x		x	x	x	x		x	x	x	x		x	3/31/94	46	26		
2/15/94	41-RS-09	x										x											3/31/94	46	26	Rinsate - Bailer	
2/15/94	41-TB-11	x										x											3/31/94	46	26	Trip Blank	
2/15/94	41-GW02D-01					x																	3/31/94	46	26		
2/15/94	41-GW02D-01D					x																	3/31/94	46	26		
2/15/94	41-GW03D-01					x																	3/31/94	46	26		
2/15/94	41-GW-04D-01					x																	3/31/94	46	26		
2/21/94	41-GW12-01	x	x	x	x		x	x	x	x		x	x	x	x		x	x	x	x		x	4/20/94	59	37	rec 4/7; no P/PCB	
2/21/94	41-GW12D-01					x																	3/7/94	16	37		
2/21/94	41-GW13-01	x	x	x	x		x	x	x	x		x	x	x	x		x	x	x	x		x	4/20/94	59	37	rec 4/7; no P/PCB	
2/21/94	41-GW13D-01					x																	4/7/94	46	37		
2/21/94	41-GW08-01	x	x	x	x		x	x	x	x		x	x	x	x		x	x	x	x		x	4/20/94	59	37	rec 4/7; no P/PCB	
2/21/94	41-GW08D-01					x																	4/7/94	46	37		
2/21/94	41-TB-14	x										x											4/7/94	46	37	Trip Blank	
2/21/94	41-RS-10	x																					####			Rinsate-Teflon Bailer, HOLD	
2/21/94	41-MB-01	x	x	x	x		x	x	x	x		x	x	x	x		x	x	x	x		x	4/15/94	54	38	rec 4/7-no P/PCB	
2/21/94	41-GW07-01	x	x	x	x		x	x	x	x		x	x	x	x		x	x	x	x		x	4/20/94	59	37	rec 4/7; no P/PCB	
2/21/94	41-GW07D-01					x																	4/7/94	46	37		
2/21/94	41-RS-12		x	x	x		x	x	x	x		x											####			Rinsate-Teflon Bailer, HOLD	
2/21/94	41-RSD-12					x																	####				
2/21/94	41-GW09-01	x	x	x	x		x	x	x	x		x	x	x	x		x	x	x	x		x	4/20/94	59	37	rec 4/7; no P/PCB	
2/21/94	41-GW09D-01					x																	4/7/94	46	37		
2/21/94	41-GW10-01	x	x	x	x		x	x	x	x		x	x	x	x		x	x	x	x		x	4/20/94	59	37	rec 4/7; no P/PCB	

**SURFACE WATER - SITE 41
CTO-19212**

DATE SHIPPED	SAMPLE ID	Analysis Requested										Analysis Received										DATE REC'D	TURNAROUND TIME	SDG NO.	COMMENTS
		TCL VOA	TCL SVOA	TCL PEST/PCB	TAL METALS	CSM	THIODYGLYCOL	MIREX	ORDNANCE	CYANIDE			TCL VOA	TCL SVOA	TCL PEST/PCB	TAL METALS	CSM	THIODYGLYCOL	MIREX	ORDNANCE	CYANIDE				
2/1/94	41-UN-SW10	x	x	x	x			x	x			x	x	x	x			x	x			3/21/94	50	21	
2/2/94	41-UN-SW03	x	x	x	x			x	x			x	x	x	x			x	x			3/21/94	49	21	MS/MSD
2/2/94	41-UN-SW03D	x	x	x	x			x	x			x	x	x	x			x	x			3/21/94	49	21	
2/2/94	41-UN-SW04	x	x	x	x			x	x			x	x	x	x			x	x			3/21/94	49	21	
2/2/94	41-RS-02		x	x	x	x	x	x	x	x		x	x	x	x	x	x	x	x	x		3/24/94	52	20	
2/3/94	41-UN-SW13	x	x	x	x			x	x			x	x	x	x			x	x			3/21/94	48	21	
2/3/94	41-UN-SW14	x	x	x	x			x	x			x	x	x	x			x	x			3/21/94	48	21	MS/MSD
2/3/94	41-UN-SW14D	x	x	x	x			x	x			x	x	x	x			x	x			3/21/94	48	21	
2/3/94	41-TB-03	x										x										3/21/94	48	21	Trip Blank
2/3/94	41-RS-03	x	x	x	x	x	x	x	x	x		x	x	x	x	x	x	x	x	x		3/31/94	58	26	Rinsate Split Spoon; VOA on SDG 21
2/4/94	41-UN-SW02	x	x	x	x			x	x			x	x	x	x			x	x			3/28/94	54	30	
2/4/94	41-UN-SW12	x	x	x	x			x	x			x	x	x	x			x	x			3/28/94	54	30	
2/4/94	41-UN-SW11	x	x	x	x			x	x			x	x	x	x			x	x			3/15/94	41	27	
2/4/94	41-RS-04	x	x	x	x	x	x	x	x	x												####			Rinsate HOLD Do not analyze
2/4/94	41-UN-SW01	x	x	x	x			x	x			x	x	x	x			x	x			3/15/94	41	27	
2/4/94	41-TB-05	x										x										3/15/94	41	27	Trip Blank
2/7/94	41-TC-SW08	x	x	x	x			x	x			x	x	x	x			x	x			3/28/94	51	30	
2/7/94	41-TC-SW09	x	x	x	x			x	x			x	x	x	x			x	x			3/28/94	51	30	
2/7/94	41-RS-06	x	x	x	x																	####			Rinsate - HOLD Do not analyze (pie pan)
2/7/94	41-RS-07	x	x	x	x							x	x	x	x							3/28/94	51	30	Rinsate - S.S. Spoon
2/7/94	41-TC-SW06	x	x	x	x			x	x			x	x	x	x			x	x			3/28/94	51	30	
2/7/94	41-TB-08	x										x										3/28/94	51	30	Trip Blank
2/7/94	41-TC-SW07	x	x	x	x			x	x			x	x	x	x			x	x			3/28/94	51	30	Bottles except. VOA said SW05 chnged to SW07
2/9/94	41-NE-SW05	x	x	x	x			x	x			x	x	x	x			x	x			3/28/94	49	30	
																							0		
COUNT		23	21	21	21	3	3	19	19	3		21	19	19	19	2	2	18	18	2					

SEDIMENT - SITE 41
CTO-19212

DATE SHIPPED	SAMPLE ID	Analysis Requested								Analysis Received								DATE REC'D	TURNAROUND TIME	SDG NO.	COMMENTS
		TCL VOA	TCL SVOA	TCL PEST/PCB	TAL METALS	CSM	MIREX	ORDNANCE		TCL VOA	TCL SVOA	TCL PEST/PCB	TAL METALS	CSM	MIREX	ORDNANCE					
2/1/94	41-UN-SD10-06	x	x	x	x		x	x		x	x	x	x		x	x		4/15/94	74	19	rec 3/31-no P/PCBs
2/1/94	41-UN-SD10-612	x	x	x	x		x	x		x	x	x	x		x	x		4/15/94	74	19	rec 3/31-no P/PCBs
2/2/94	41-UN-SD03-06	x	x	x	x		x	x		x	x	x	x		x	x		5/4/94	92	22	No TOC, MS/MSD; rec 4/5 no P/PCB
2/2/94	41-UN-SD03-06D	x	x	x	x		x	x		x	x	x	x		x	x		5/4/94	92	22	No TOC; rec 4/5-no P/PCB
2/2/94	41-UN-SD03-612	x	x	x	x		x	x		x	x	x	x		x	x		5/4/94	92	22	No TOC, MS/MSD; rec 4/5 no P/PCB
2/2/94	41-UN-SD03-612D	x	x	x	x		x	x		x	x	x	x		x	x		5/4/94	92	22	No TOC; rec 4/5-no P/PCB
2/2/94	41-UN-SD04-06	x	x	x	x		x	x		x	x	x	x		x	x		5/4/94	92	22	No TOC; rec 4/5-no P/PCB
2/2/94	41-UN-SD04-612	x	x	x	x		x	x		x	x	x	x		x	x		5/4/94	92	22	No TOC; rec 4/5-no P/PCB
2/3/94	41-UN-SD14-06	x	x	x	x		x	x		x	x	x	x		x	x		5/4/94	91	22	MS/MSD; Rec 4/5-no P/PCB
2/3/94	41-UN-SD14-612	x	x	x	x		x	x		x	x	x	x		x	x		5/4/94	91	22	MS/MSD; Rec 4/5-no P/PCB
2/3/94	41-UN-SD14-06D	x	x	x	x		x	x		x	x	x	x		x	x		5/4/94	91	22	rec 4/5 no P/PCB
2/3/94	41-UN-SD14-612D	x	x	x	x		x	x		x	x	x	x		x	x		5/4/94	91	22	rec 4/5 no P/PCB
2/3/94	41-UN-SD13-06	x	x	x	x		x	x		x	x	x	x		x	x		5/4/94	91	22	rec 4/5 no P/PCB
2/3/94	41-UN-SD13-612	x	x	x	x		x	x		x	x	x	x		x	x		5/4/94	91	22	rec 4/5 no P/PCB
2/4/94	41-UN-SD02-06	x	x	x	x		x	x		x	x	x	x		x	x		4/20/94	76	29	rec 4/8-no P/PCB
2/4/94	41-UN-SD02-612	x	x	x	x		x	x		x	x	x	x		x	x		4/20/94	76	29	rec 4/8-no P/PCB
2/4/94	41-UN-SD12-06	x	x	x	x		x	x		x	x	x	x		x	x		4/20/94	76	29	rec 4/8-no P/PCB
2/4/94	41-UN-SD12-612	x	x	x	x		x	x		x	x	x	x		x	x		4/20/94	76	29	rec 4/8-no P/PCB
2/4/94	41-TB-04	x								x								3/28/94	54	30	Trip Blank
2/4/94	41-UN-SD11-06	x	x	x	x		x	x		x	x	x	x		x	x		5/4/94	90	22	rec 4/5 no P/PCB
2/4/94	41-UN-SD11-612	x	x	x	x		x	x		x	x	x	x		x	x		5/4/94	90	22	rec 4/5 no P/PCB
2/4/94	41-UN-SD01-06	x	x	x	x		x	x		x	x	x	x		x	x		5/4/94	90	22	rec 4/5 no P/PCB
2/4/94	41-UN-SD01-612	x	x	x	x		x	x		x	x	x	x		x	x		5/4/94	90	22	rec 4/5; no P/PCB
2/7/94	41-TC-SD08-06	x	x	x	x		x	x		x	x	x	x		x	x		4/20/94	73	29	rec 4/8; no P/PCB
2/7/94	41-TC-SD08-612	x	x	x	x		x	x		x	x	x	x		x	x		4/20/94	73	29	rec 4/8; no P/PCB
2/7/94	41-TC-SD09-06	x	x	x	x		x	x		x	x	x	x		x	x		4/20/94	73	29	rec 4/8; no P/PCB

**SEDIMENT - SITE 41
CTO-19212**

DATE SHIPPED	SAMPLE ID	Analysis Requested										Analysis Received										DATE REC'D	TURNAROUND TIME	SDG NO.	COMMENTS
		TCL VOA	TCL SVOA	TCL PEST/PCB	TAL METALS	CSM	MIREX	ORDNANCE				TCL VOA	TCL SVOA	TCL PEST/PCB	TAL METALS	CSM	MIREX	ORDNANCE							
2/7/94	41-TC-SD09-612	x	x	x	x		x	x				x	x	x	x		x	x				4/20/94	73	29	rec 4/8; no P/PCB
2/7/94	41-TC-SD06-06	x	x	x	x		x	x				x	x	x	x		x	x				4/20/94	73	29	rec 4/8; no P/PCB
2/7/94	41-TC-SD06-612	x	x	x	x		x	x				x	x	x	x		x	x				4/20/94	73	29	rec 4/8; no P/PCB
2/7/94	41-TC-SD07-06	x	x	x	x		x	x				x	x	x	x		x	x				4/20/94	73	29	rec 4/8; no P/PCB
2/7/94	41-TC-SD07-612	x	x	x	x		x	x				x	x	x	x		x	x				4/20/94	73	29	rec 4/8; no P/PCB
2/9/94	41-NE-SD05-06	x	x	x	x		x	x				x	x	x	x		x	x				4/20/94	71	29	rec 4/8; no P/PCB
2/9/94	41-NE-SD05-612	x	x	x	x		x	x				x	x	x	x		x	x				4/20/94	71	29	rec 4/8; no P/PCB
																							0		
																							0		
																							0		
																							0		
																							0		
																							0		
																							0		
																							0		
																							0		
																							0		
																							0		
																							0		
																							0		
																							0		
COUNT		33	32	32	32	0	32	32	0	0	0	33	32	30	32	0	32	32	0	0	0				

APPENDIX M.2
SITE 74

**SOIL-SITE 74
CTO-19212**

DATE SHIPPED	SAMPLE ID	Analysis Requested										Analysis Received						DATE RECD.	TURNAROUND TIME	SDG NO.	COMMENTS			
		TCL VOA	TCL SVOA	TCL PEST/PCB	TAL METALS	CSM	THIODYGLYCOL	ENG PARAMETERS	CYANIDE	ATTERBURG LIMITS	TCL VOA	TCL SVOA	TCL PEST/PCB	TAL METALS	CSM	THIODYGLYCOL	ENG PARAMETERS					CYANIDE	ATTERBURG LIMITS	
1/11/94	74-GW06-02	x	x	x	x				x			x	x	x	x			x			5/4/94	113	6	rec 3/18-no Pest/PCB
1/11/94	74-GW06-07	x	x	x	x				x			x	x	x	x			x			5/4/94	113	6	rec 3/18-no Pest/PCB
1/11/94	74-TB-01	x										x									3/18/94	67	6	Trip Blank
1/11/94	74-GW05-01	x	x	x	x	x			x			x	x	x	x			x			5/4/94	113	6	TOC Analysis; rec 3/18-no Pest/PCB
1/11/94	74-GW05-04	x	x	x	x				x			x	x	x	x			x			5/4/94	113	6	rec 3/18-no Pest/PCB
1/11/94	74-GW05						x		x								x		x		3/18/94	67	6	Eng. Parameters; rec 3/18-no Pest/PCB
1/12/94	74-TB-02	x										x									2/21/94	39	7	Trip Blank
1/12/94	74-RS-01	x	x	x	x							x	x	x	x						3/15/94	63	7	Rinsate Split Spoon; rec 2/21 no pest/pcb
1/18/94	74-GW04-03	x	x	x	x				x			x	x	x	x			x			5/4/94	106	6	MS/MSD; rec 3/18-no PEst/PCB
1/18/94	74-GW04-05	x	x	x	x				x			x	x	x	x			x			5/4/94	106	6	rec 3/18-no Pest/PCB
1/18/94	74-GW04-3D	x	x	x	x				x			x	x	x	x			x			5/4/94	106	6	rec 3/18-no Pest/PCB
1/18/94	74-TB-03	x										x									3/18/94	60	6	Trip Blank
1/18/94	74-RS-02	x	x	x	x																###			Rinsate Solid Sample (HOLD)
1/19/94	74-GW03A-03	x	x	x	x				x			x	x		x			x			5/4/94	105	6	rec 3/18-no Pest/PCB
1/19/94	74-GW03A-04	x	x	x	x				x			x	x		x			x			5/4/94	105	6	rec 3/18-no Pest/PCB
1/19/94	74-FDA-SB01-00	x	x	x	x	x	x		x			x	x	x	x	x	x	x			3/31/94	72	9	Thiodyglycol bottle
1/19/94	74-FDA-SB01-02	x	x	x	x	x	x		x			x	x	x	x	x	x	x			3/31/94	72	9	Thiodyglycol bottle
1/19/94	74-FDA-SB01-04	x	x	x	x	x	x		x			x	x	x	x	x	x	x			3/31/94	72	9	Thiodyglycol bottle
1/19/94	74-FDA-SB02-00	x	x	x	x	x	x		x			x	x	x	x	x	x	x			3/31/94	72	9	Thiodyglycol bottle
1/19/94	74-FDA-SB02-02	x	x	x	x	x	x		x			x	x	x	x	x	x	x			3/31/94	72	9	No Thiodyglycol container
2/21/94	74-FDA-SB02-02																							Holding times exceeded by lab for VOAs. Will analyze, but won't be charged. VOA exceeded holding times.
1/19/94	74-FDA-SB02-05	x	x	x	x	x	x		x			x	x	x	x	x	x	x			3/31/94	72	9	Thiodyglycol bottle
2/21/94	74-FDA-SB02-05																							Holding times exceeded by lab for VOAs. Will analyze, but won't be charged. VOA exceeded holding times.
1/19/94	74-TB-04	x										x									3/31/94	72	9	Tip Blank
1/19/94	74-RS-03	x	x	x	x	x	x		x			x	x	x	x	x	x	x			3/31/94	72	9	Rinsate/Pie Pan
1/20/94	74-FDA-SB03-00	x	x	x	x	x	x		x			x	x	x	x	x	x	x			5/4/94	104	8	rec 2/25, no PEST/PCBs
1/20/94	74-FDA-SB03-03	x	x	x	x	x	x		x			x	x	x	x	x	x	x			5/4/94	104	8	rec 2/25, no PEST/PCBs
1/20/94	74-FDA-SB03-06	x	x	x	x	x	x		x			x	x	x	x	x	x	x			5/4/94	104	8	rec 2/25, no PEST/PCBs
1/20/94	74-FDA-SB33-00	x	x	x	x	x	x		x			x	x	x	x	x	x	x			5/4/94	104	8	MS/MSD; rec 2/25, no PEST/PCBs
1/20/94	74-FDA-SB33-00D	x	x	x	x	x	x		x			x	x	x	x	x	x	x			5/4/94	104	8	rec 2/25, no PEST/PCBs
1/20/94	74-FDA-SB34-00	x	x	x	x	x	x		x			x	x	x	x	x	x	x			5/4/94	104	8	rec 2/25, no PEST/PCBs

**SOIL-SITE 74
CTO-19212**

DATE SHIPPED	SAMPLE ID	Analysis Requested								Analysis Received								DATE REC'D.	TURNAROUND TIME	SDG NO.	COMMENTS	
		TCL VOA	TCL SVOA	TCL PEST/PCB	TAL METALS	CSM	THIODYGLYCOL	ENG PARAMETERS	CYANIDE	ATTERBURG LIMITS	TCL VOA	TCL SVOA	TCL PEST/PCB	TAL METALS	CSM	THIODYGLYCOL	ENG PARAMETERS					CYANIDE
1/24/94	74-FDA-SB19-04	x	x	x	x	x	x			x	x	x	x	x	x				3/28/94	64	14	rec 3/3-no PEST/PCB
1/24/94	74-FDA-SB20-00	x	x	x	x	x	x			x	x	x	x	x	x				3/28/94	64	14	rec 3/3-no PEST/PCB
1/24/94	74-FDA-SB20-04	x	x	x	x	x	x			x	x	x	x	x	x				3/28/94	64	15	rec 3/17; no Pest/PCB
1/24/94	74-FDA-SB20-08	x	x	x	x	x	x			x	x	x	x	x	x				3/28/94	64	15	rec 3/17; no Pest/PCB
1/24/94	74-FDA-SB21-00	x	x	x	x	x	x			x	x	x	x	x	x				3/28/94	64	15	rec 3/17; no Pest/PCB
1/24/94	74-FDA-SB21-01	x	x	x	x	x	x			x	x	x	x	x	x				3/28/94	64	15	rec 3/17; no Pest/PCB
1/24/94	74-FDA-SB21-03	x	x	x	x	x	x			x	x	x	x	x	x				3/28/94	64	15	rec 3/17; no Pest/PCB
1/24/94	74-FDA-SB22-00	x	x	x	x	x	x			x	x	x	x	x	x				3/28/94	64	15	rec 3/17; no Pest/PCB
1/24/94	74-FDA-SB22-00D	x	x	x	x	x	x			x	x	x	x	x	x				3/28/94	64	15	rec 3/17; no Pest/PCB
1/24/94	74-FDA-SB22-01	x	x	x	x	x	x			x	x	x	x	x	x				3/28/94	64	15	rec 3/17; no Pest/PCB
1/24/94	74-FDA-SB22-03	x	x	x	x	x	x			x	x	x	x	x	x				3/28/94	64	15	rec 3/17; no Pest/PCB
1/24/94	74-FDA-SB23-00	x	x	x	x	x	x			x	x	x	x	x	x				3/28/94	64	15	rec 3/17; no Pest/PCB
1/24/94	74-FDA-SB23-01	x	x	x	x	x	x			x	x	x	x	x	x				3/28/94	64	15	rec 3/17; no Pest/PCB
1/24/94	74-FDA-SB23-03	x	x	x	x	x	x			x	x	x	x	x	x				3/28/94	64	15	rec 3/17; no Pest/PCB
1/24/94	74-RS-07	x	x	x	x	x	x			x	x	x	x	x	x				3/28/94	64	15	Rinstate Split Spoon; rec 3/17 no Pest/PCB
1/24/94	74-BB-SB01-00	x	x	x	x	x	x			x	x	x	x	x	x				3/28/94	64	15	rec 3/17; no Ppest/PCBs
1/24/94	74-BB-SB02-00	x	x	x	x	x	x			x	x	x	x	x	x				3/28/94	64	15	rec 3/17; no Ppest/PCBs
1/24/94	74-BB-SB03-00	x	x	x	x	x	x			x	x	x	x	x	x				3/28/94	64	15	rec 3/17; no Ppest/PCBs
1/24/94	74-BB-SB04-00	x	x	x	x	x	x			x	x	x	x	x	x				3/28/94	64	15	
1/24/94	74-TB-08	x								x									3/17/94	53	15	
1/24/94	74-FDA-SB24-00	x	x	x	x	x	x			x	x	x	x	x	x				3/31/94	67	9	
1/24/94	74-FDA-SB24-02	x	x	x	x	x	x			x	x	x	x	x	x				3/31/94	67	9	
1/24/94	74-FDA-SB24-04	x	x	x	x	x	x			x	x	x	x	x	x				3/31/94	67	9	
1/24/94	74-FDA-SB25-00	x	x	x	x	x	x			x	x	x	x	x	x				3/31/94	67	9	
1/24/94	74-FDA-SB25-02	x	x	x	x	x	x			x	x	x	x	x	x				3/31/94	67	9	
1/24/94	74-FDA-SB25-03	x	x	x	x	x	x			x	x	x	x	x	x				3/31/94	67	9	
1/24/94	74-PDA-SB13-00	x	x	x	x					x	x	x	x						5/4/94	100	6	No CSM & Thiodyglycol analysis; rec 3/18 no Pest/PCB
1/24/94	74-PDA-SB11-00	x	x	x	x					x	x	x	x						5/4/94	100	6	No CSM & Thiodyglycol analysis; rec 3/18 no Pest/PCB
1/24/94	74-PDA-SB12-00	x	x	x	x					x	x	x	x						5/4/94	100	6	No CSM & Thiodyglycol analysis; rec 3/18 no Pest/PCB
1/24/94	74-PDA-SB14-00	x	x	x	x					x	x	x	x						5/4/94	100	6	7 day turn, No CSM & Thiodyglycol; rec 3/18 no Pest/PCB
1/24/94	74-PDA-SB15-00	x	x	x	x					x	x	x	x						5/4/94	100	6	7 day turn, No CSM & Thiodyglycol; rec 3/18 no Pest/PCB

**SOIL-SITE 74
CTO-19212**

DATE SHIPPED	SAMPLE ID	Analysis Requested										Analysis Received										DATE RECD.	TURNAROUND TIME	SDG NO.	COMMENTS
		TCL VOA	TCL SVOA	TCL PEST/PCB	TAL METALS	CSM	THIODYGLYCOL	ENG PARAMETERS	CYANIDE	ATTERBURG LIMITS	TCL VOA	TCL SVOA	TCL PEST/PCB	TAL METALS	CSM	THIODYGLYCOL	ENG PARAMETERS	CYANIDE	ATTERBURG LIMITS						
1/22/94	74-FDA-SB11-02	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	3/28/94	66	12	rec 3/9 - no pest/PCB		
1/22/94	74-FDA-SB11-05	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	3/28/94	66	12	rec 3/9 - no pest/PCB		
1/22/94	74-FDA-SB12-00	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	3/28/94	66	12	rec 3/9 - no pest/PCB		
1/22/94	74-FDA-SB12-03	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	3/28/94	66	12	rec 3/9 - no pest/PCB		
1/22/94	74-FDA-SB12-06	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	3/28/94	66	12	rec 3/9 - no pest/PCB		
1/22/94	74-FDA-SB13-00	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	3/28/94	66	12	rec 3/9 - no pest/PCB		
1/22/94	74-FDA-SB13-02	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	3/28/94	66	12	rec 3/9 - no pest/PCB		
1/22/94	74-FDA-SB13-04	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	3/28/94	66	12	rec 3/9 - no pest/PCB		
1/22/94	74-FDA-SB14-00	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	3/28/94	66	12	rec 3/9 - no pest/PCB		
1/22/94	74-FDA-SB14-04	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	3/28/94	66	12	rec 3/9 - no pest/PCB		
1/22/94	74-FDA-SB14-08	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	3/28/94	66	12	rec 3/9 - no pest/PCB		
1/22/94	74-TB-07	x																		3/9/94	47	12	Trip Blank - VOA only		
1/22/94	74-RS-06	x	x	x		x	x		x											###			Rinsate Pie Pan HOLD, No Metals		
1/24/94	74-FDA-SB26-00	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	3/28/94	64	16	rec 3/11; no Pest/PCB		
1/24/94	74-FDA-SB26-02	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	3/28/94	64	16	rec 3/11; no Pest/PCB		
1/24/94	74-FDA-SB26-03	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	3/28/94	64	16	rec 3/11; no Pest/PCB		
1/24/94	74-FDA-SB15-00D	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	3/28/94	64	14	rec 3/3-no PEST/PCB		
1/24/94	74-FDA-SB15-00	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	3/28/94	64	14	MS/MSD; rec 3/3-no PEST/PCB		
1/24/94	74-FDA-SB15-03	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	3/28/94	64	14	rec 3/3-no PEST/PCB		
1/24/94	74-FDA-SB15-07	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	3/28/94	64	14	rec 3/3-no PEST/PCB		
1/24/94	74-FDA-SB16-00	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	3/28/94	64	14	rec 3/3-no PEST/PCB		
1/24/94	74-FDA-SB16-03	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	3/28/94	64	14	rec 3/3-no PEST/PCB		
1/24/94	74-FDA-SB16-06	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	3/28/94	64	14	rec 3/3-no PEST/PCB		
1/24/94	74-FDA-SB17-00	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	3/28/94	64	14	rec 3/3-no PEST/PCB		
1/24/94	74-FDA-SB17-01	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	3/28/94	64	14	rec 3/3-no PEST/PCB		
1/24/94	74-FDA-SB17-03	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	3/28/94	64	14	rec 3/3-no PEST/PCB		
1/24/94	74-FDA-SB18-00	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	3/28/94	64	14	rec 3/3-no PEST/PCB		
1/24/94	74-FDA-SB18-02	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	3/28/94	64	14	rec 3/3-no PEST/PCB		
1/24/94	74-FDA-SB18-04	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	3/28/94	64	14	rec 3/3-no PEST/PCB		
1/24/94	74-FDA-SB19-00	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	3/28/94	64	14	rec 3/3-no PEST/PCB		
1/24/94	74-FDA-SB19-02	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	3/28/94	64	14	rec 3/3-no PEST/PCB		

**SOIL-SITE 74
CTO-19212**

DATE SHIPPED	SAMPLE ID	Analysis Requested								Analysis Received								DATE REC'D.	TURNAROUND TIME	SDG NO.	COMMENTS
		TCL VOA	TCL SVOA	TCL PEST/PCB	TAL METALS	CSM	THIODYGLYCOL	ENG PARAMETERS	CYANIDE	ATTERBURG LIMITS	TCL VOA	TCL SVOA	TCL PEST/PCB	TAL METALS	CSM	THIODYGLYCOL	ENG PARAMETERS				
2/21/94	74-PDA-SB02-03	x	x	x	x				x	x	x	x					x	4/20/94	59 43	rec 4/6; no P/PCB	
2/21/94	74-PDA-SB03-00	x	x	x	x				x	x	x	x					x	4/20/94	59 43	rec 4/6; no P/PCB	
2/21/94	74-PDA-SB03-02	x	x	x	x				x	x	x	x					x	4/20/94	59 43	rec 4/6; no P/PCB	
2/21/94	74-PDA-SB03-04	x	x	x	x				x	x	x	x					x	4/20/94	59 43	rec 4/6; no P/PCB	
2/21/94	74-PDA-SB04-00	x	x	x	x				x	x	x	x					x	4/20/94	59 43	rec 4/6; no P/PCB	
2/21/94	74-PDA-SB04-05	x	x	x	x				x	x	x	x					x	4/20/94	59 43	rec 4/6; no P/PCB	
2/21/94	74-PDA-SB04-05D	x	x	x	x				x	x	x	x					x	4/20/94	59 43	rec 4/6; no P/PCB	
2/21/94	74-PDA-SB05-01	x	x	x	x				x	x	x	x					x	4/22/94	61 44	rec 4/8-no P/PCB	
2/21/94	74-PDA-SB05-02	x	x	x	x				x	x	x	x					x	4/22/94	61 44	rec 4/8-no P/PCB	
2/21/94	74-PDA-SB05-03	x	x	x	x				x	x	x	x					x	4/22/94	61 44	rec 4/8-no P/PCB	
2/21/94	74-PDA-SB06-00	x	x	x	x				x	x	x	x					x	4/22/94	61 44	MS/MSD; rec 4/8-no P/PCB	
2/21/94	74-PDA-SB06-00D	x	x	x	x				x	x	x	x					x	4/22/94	61 44	rec 4/8-no P/PCB	
2/21/94	74-PDA-SB06-02	x	x	x	x				x	x	x	x					x	4/22/94	61 44	rec 4/8-no P/PCB	
2/21/94	74-PDA-SB06-04	x	x	x	x				x	x	x	x					x	4/22/94	61 44	rec 4/8-no P/PCB	
2/21/94	74-PDA-SB08-00	x	x	x	x				x	x	x	x					x	4/22/94	61 44	rec 4/8-no P/PCB	
2/21/94	74-PDA-SB08-02	x	x	x	x				x	x	x	x					x	4/22/94	61 44	rec 4/8-no P/PCB	
2/21/94	74-PDA-SB08-04	x	x	x	x				x	x	x	x					x	4/22/94	61 44	rec 4/8-no P/PCB	
2/21/94	74-TB-15	x							x									4/8/94	47 44	Tip Blank	
2/21/94	74-RS-11	x	x	x	x				x	x	x	x					x	4/20/94	59 40	rec 4/6; no P/PCB	
2/21/94	74-TB-16	x							x									4/6/94	45 40		
2/21/94	74-PDA-SB07-00	x	x	x	x				x	x	x	x					x	4/20/94	59 40	rec 4/6; no P/PCB	
2/21/94	74-PDA-SB07-01	x	x	x	x				x	x	x	x					x	4/20/94	59 40	rec 4/6; no P/PCB	
2/21/94	74-PDA-SB07-05	x	x	x	x				x	x	x	x					x	4/20/94	59 40	rec 4/6; no P/PCB	
2/21/94	74-PDA-SB09-00	x	x	x	x				x	x	x	x					x	4/20/94	59 40	rec 4/6; no P/PCB	
2/21/94	74-PDA-SB09-03	x	x	x	x				x	x	x	x					x	4/20/94	59 40	rec 4/6; no P/PCB	
2/21/94	74-PDA-SB09-06	x	x	x	x				x	x	x	x					x	4/20/94	59 40	rec 4/6; no P/PCB	
2/21/94	74-PDA-SB10-00	x	x	x	x				x	x	x	x					x	4/20/94	59 40	rec 4/6; no P/PCB	
2/21/94	74-PDA-SB10-04	x	x	x	x				x	x	x	x					x	4/20/94	59 40	rec 4/6; no P/PCB	
2/21/94	74-PDA-SB10-08	x	x	x	x				x	x	x	x					x	4/20/94	59 40	rec 4/6; no P/PCB	
2/21/94	74-FPA-SB01-00	x	x	x	x				x	x	x	x					x	4/20/94	59 40	rec 4/6; no P/PCB	
2/21/94	74-FPA-SB01-03	x	x	x	x				x	x	x	x					x	4/20/94	59 40	rec 4/6; no P/PCB	

**SOIL-SITE 74
CTO-19212**

DATE SHIPPED	SAMPLE ID	Analysis Requested										Analysis Received										DATE RECD.	TURNAROUND TIME	SDG NO.	COMMENTS
		TCL VOA	TCL SVOA	TCL PEST/PCB	TAL METALS	CSM	THIOGLYCOL	ENG PARAMETERS	CYANIDE	ATTERBURG LIMITS	TCL VOA	TCL SVOA	TCL PEST/PCB	TAL METALS	CSM	THIOGLYCOL	ENG PARAMETERS	CYANIDE	ATTERBURG LIMITS						
1/25/94	74-FDA-SB27-00	x	x	x	x	x	x	x	x		x	x	x	x	x	x	x		4/15/94	80	18	rec 3/21-no Pest/PCB			
1/25/94	74-FDA-SB27-01	x	x	x	x	x	x	x	x		x	x	x	x	x	x	x		4/15/94	80	18	rec 3/21-no Pest/PCB			
1/25/94	74-FDA-SB27-02	x	x	x	x	x	x	x	x		x	x	x	x	x	x	x		4/15/94	80	18	rec 3/21-no Pest/PCB			
1/25/94	74-FDA-SB29-00	x	x	x	x	x	x	x	x		x	x	x	x	x	x	x		4/15/94	80	18	rec 3/21-no Pest/PCB			
1/25/94	74-FDA-SB29-01	x	x	x	x	x	x	x	x		x	x	x	x	x	x	x		4/15/94	80	18	rec 3/21-no Pest/PCB			
1/25/94	74-FDA-SB29-02	x	x	x	x	x	x	x	x		x	x	x	x	x	x	x		4/15/94	80	18	rec 3/21-no Pest/PCB			
1/25/94	74-FDA-SB28-00	x	x	x	x	x	x	x	x		x	x	x	x	x	x	x		4/15/94	80	18	rec 3/21-no Pest/PCB			
1/25/94	74-FDA-SB28-02	x	x	x	x	x	x	x	x		x	x	x	x	x	x	x		4/15/94	80	18	rec 3/21-no Pest/PCB			
1/25/94	74-FDA-SB28-03	x	x	x	x	x	x	x	x		x	x	x	x	x	x	x		4/15/94	80	18	rec 3/21-no Pest/PCB			
1/25/94	74-FDA-SB30-00	x	x	x	x	x	x	x	x		x	x	x	x	x	x	x		4/15/94	80	18	rec 3/21-no Pest/PCB			
1/25/94	74-FDA-SB30-01	x	x	x	x	x	x	x	x		x	x	x	x	x	x	x		4/15/94	80	18	rec 3/21-no Pest/PCB			
1/25/94	74-FDA-SB30-02	x	x	x	x	x	x	x	x		x	x	x	x	x	x	x		4/15/94	80	18	rec 3/21-no Pest/PCB			
1/25/94	74-FDA-SB31-00	x	x	x	x	x	x	x	x		x	x	x	x	x	x	x		4/15/94	80	18	rec 3/21-no Pest/PCB			
1/25/94	74-FDA-SB31-01	x	x	x	x	x	x	x	x		x	x	x	x	x	x	x		4/15/94	80	18	rec 3/21-no Pest/PCB			
1/25/94	74-FDA-SB31-02	x	x	x	x	x	x	x	x		x	x	x	x	x	x	x		4/15/94	80	18	rec 3/21-no Pest/PCB			
1/25/94	74-FDA-SB32-00	x	x	x	x	x	x	x	x		x	x	x	x	x	x	x		4/15/94	80	18	rec 3/21-no Pest/PCB			
1/25/94	74-FDA-SB32-02	x	x	x	x	x	x	x	x		x	x	x	x	x	x	x		4/15/94	80	18	rec 3/21-no Pest/PCB			
1/25/94	74-FDA-SB32-03	x	x	x	x	x	x	x	x		x	x	x	x	x	x	x		4/15/94	80	18	rec 3/21-no Pest/PCB			
1/25/94	74-TB-10	x									x								3/31/94	66	9				
1/25/94	74-TB-11	x									x								3/21/94	56	18	Trip Blank			
1/25/94	74-RS-08	x	x	x	x	x	x	x	x		x	x	x	x	x	x	x		4/15/94	80	18	Hand Auger Rinse (HOLD); rec 3/21 no Pest/PCB			
2/21/94	74-GW08-03	x	x	x	x				x		x	x	x	x			x		4/20/94	59	36	rec 4/5; np P/PCB			
2/21/94	74-GW08-06	x	x	x	x				x		x	x	x	x			x		4/20/94	59	36	rec 4/5; np P/PCB			
2/21/94	74-GW07-01	x	x	x	x				x		x	x	x	x			x		4/20/94	59	36	rec 4/5; np P/PCB			
2/21/94	74-GW07-02	x	x	x	x				x		x	x	x	x			x		4/20/94	59	36	rec 4/5; np P/PCB			
2/21/94	74-TB-14	x									x								4/5/94	44	36	Trip Blank			
2/21/94	74-PDA-SB01-00	x	x	x	x				x		x	x	x	x			x		4/20/94	59	43	rec 4/6; no P/PCB			
2/21/94	74-PDA-SB01-01	x	x	x	x				x		x	x	x	x			x		4/20/94	59	43	rec 4/6; no P/PCB			
2/21/94	74-PDA-SB01-02	x	x	x	x				x		x	x	x	x			x		4/20/94	59	43	rec 4/6; no P/PCB			
2/21/94	74-PDA-SB02-00	x	x	x	x				x		x	x	x	x			x		4/20/94	59	43	rec 4/6; no P/PCB			
2/21/94	74-PDA-SB02-01	x	x	x	x				x		x	x	x	x			x		4/20/94	59	43	rec 4/6; no P/PCB			

**SOIL-SITE 74
CTO-19212**

DATE SHIPPED	SAMPLE ID	Analysis Requested										Analysis Received										DATE RECD.	TURNAROUND TIME	SDG NO.	COMMENTS
		TCL VOA	TCL SVOA	TCL PEST/PCB	TAL METALS	CSM	THIODYGLYCOL	ENG PARAMETERS	CYANIDE	ATTERBURG LIMITS	TCL VOA	TCL SVOA	TCL PEST/PCB	TAL METALS	CSM	THIODYGLYCOL	ENG PARAMETERS	CYANIDE	ATTERBURG LIMITS						
2/21/94	74-FPA-SB01-07	x	x	x	x				x		x	x	x	x			x		4/20/94	59	40	rec 4/6; no P/PCB			
2/21/94	74-FPA-SB02-00	x	x	x	x				x		x	x	x	x			x		4/20/94	59	40	rec 4/6; no P/PCB			
2/21/94	74-FPA-SB02-03	x	x	x	x				x		x	x	x	x			x		4/20/94	59	40	rec 4/6; no P/PCB			
2/21/94	74-FPA-SB02-06	x	x	x	x				x		x	x	x	x			x		4/20/94	59	40	rec 4/6; no P/PCB			
2/21/94	74-FPA-SB04-00	x	x	x	x				x		x	x	x	x			x		4/20/94	59	40	rec 4/6; no P/PCB			
2/21/94	74-FPA-SB04-04	x	x	x	x				x		x	x	x	x			x		4/20/94	59	40	rec 4/6; no P/PCB			
2/21/94	74-FPA-SB04-08	x	x	x	x				x		x	x	x	x			x		4/22/94	61	42	rec 4/6; no P/PCB			
2/21/94	74-FPA-SB03-00	x	x	x	x				x		x	x	x	x			x		4/22/94	61	42	rec 4/6; no P/PCB			
2/21/94	74-FPA-SB03-03	x	x	x	x				x		x	x	x	x			x		4/22/94	61	42	rec 4/6; no P/PCB			
2/21/94	74-FPA-SB03-06	x	x	x	x				x		x	x	x	x			x		4/22/94	61	42	rec 4/6; no P/PCB			
2/21/94	74-FPA-SB05-00	x	x	x	x				x		x	x	x	x			x		4/22/94	61	42	rec 4/6; no P/PCB			
2/21/94	74-FPA-SB05-03	x	x	x	x				x		x	x	x	x			x		4/22/94	61	42	rec 4/6; no P/PCB			
2/21/94	74-FPA-SB05-06	x	x	x	x				x		x	x	x	x			x		4/22/94	61	42	rec 4/6; no P/PCB			
2/21/94	74-FPA-SB06-00	x	x	x	x				x		x	x	x	x			x		4/22/94	61	42	MSMSD; rec 4/6-no P/PCB			
2/21/94	74-FPA-SB06-00D	x	x	x	x				x		x	x	x	x			x		4/22/94	61	42	rec 4/6; no P/PCB			
2/21/94	74-FPA-SB06-03	x	x	x	x				x		x	x	x	x			x		4/22/94	61	42	rec 4/6; no P/PCB			
2/21/94	74-FPA-SB06-05	x	x	x	x				x		x	x	x	x			x		4/22/94	61	42	rec 4/6; no P/PCB			
2/21/94	74-FPA-SB07-00	x	x	x	x				x		x	x	x	x			x		4/22/94	61	42	rec 4/6; no P/PCB			
2/21/94	74-FPA-SB07-03	x	x	x	x				x		x	x	x	x			x		4/22/94	61	42	rec 4/6; no P/PCB			
2/21/94	74-FPA-SB07-07	x	x	x	x				x		x	x	x	x			x		4/22/94	61	42	rec 4/6; no P/PCB			
2/21/94	74-FPA-SB08-00	x	x	x	x				x		x	x	x	x			x		4/22/94	61	42	rec 4/6; no P/PCB			
2/21/94	74-FPA-SB08-03	x	x	x	x				x		x	x	x	x			x		4/22/94	61	42	rec 4/6; no P/PCB			
2/21/94	74-FPA-SB08-07	x	x	x	x				x		x	x	x	x			x		4/22/94	61	42	rec 4/6; no P/PCB			
2/21/94	74-FPA-SB09-00	x	x	x	x				x		x	x	x	x			x		4/22/94	61	42	rec 4/6; no P/PCB			
2/21/94	74-FPA-SB09-04	x	x	x	x				x		x	x	x	x			x		4/22/94	61	42	rec 4/6; no P/PCB			
2/21/94	74-FPA-SB09-07	x	x	x	x				x		x	x	x	x			x		4/22/94	61	42	rec 4/6; no P/PCB			
																				0					
																				0					
																				0					
COUNT		209	196	196	194	117	116	1	194	1	205	193	191	192	114	114	1	192	1						

**GROUNDWATER-SITE 74
CTO-19212**

DATE SHIPPED	SAMPLE ID	Analysis Requested												Analysis Received												DATE RECD	TURNAROUND TIME	SDG NO.	COMMENTS
		TCL VOA	TCL SVOA	TCL PEST/PCB	TAL METALS	TAL METALS (D)	CYANIDE	CSM	MIREX	ORDNANCE	ENG PARAMETERS	THIODYGLYCOL	TCL VOA	TCL SVOA	TCL PEST/PCB	TAL METALS	TAL METALS (D)	CYANIDE	CSM	MIREX	ORDNANCE	ENG PARAMETERS	THIODYGLYCOL						
2/22/94	74-TB-17	x											x												4/7/94	45	45	Trip Blank	
																										0			
COUNT		14	12	12	12	12	12	12	0	0	1	12	13	10	10	10	10	10	10	0	0	1	11						

**GROUNDWATER-SITE 74
CTO-19212**

DATE SHIPPED	SAMPLE ID	Analysis Requested											Analysis Received											DATE RECD	TURNAROUND TIME	SDG NO.	COMMENTS
		TCL VOA	TCL SVOA	TCL PEST/PCB	TAL METALS	TAL METALS (D)	CYANIDE	CSM	MIREX	ORDNANCE	ENG PARAMETERS	THIODYGLYCOL	TCL VOA	TCL SVOA	TCL PEST/PCB	TAL METALS	TAL METALS (D)	CYANIDE	CSM	MIREX	ORDNANCE	ENG PARAMETERS	THIODYGLYCOL				
2/16/94	74-GW02-01	x	x	x	x		x	x			x	x	x	x	x		x	x				x	3/29/94	43	34		
2/16/94	74-GW02D-01					x										x								3/29/94	43	34	
2/16/94	74-RS-09	x	x	x	x		x	x			x	x	x	x	x		x	x				x	3/29/94	43	34	Rinsate - Teflon Bailer	
2/16/94	74-RSD-09					x										x								3/29/94	43	34	
2/16/94	74-TB-12	x										x												3/29/94	43	34	Trip Blank
2/17/94	74-GW06-01	x	x	x	x		x	x			x	x	x	x	x		x	x				x	3/29/94	42	34	MS/MSD	
2/17/94	74-GW06D-01					x										x								3/29/94	42	34	
2/17/94	74-GW06-01D	x	x	x	x		x	x			x	x	x	x	x		x	x				x	3/29/94	42	34		
2/17/94	74-GW06D-01D					x										x								3/29/94	42	34	
2/17/94	74-GW03A-01	x	x	x	x		x	x			x	x	x	x	x		x	x				x	3/29/94	42	34	VOA is Quickturn (7-days)	
2/17/94	74-TB-13	x										x												3/29/94	42	34	
2/17/94	74-GW03AD-01					x										x								3/29/94	42	34	
2/17/94	74-GW04-01	x	x	x	x		x	x			x	x	x	x	x		x	x				x	3/29/94	42	34	VOA is Quickturn (7-days)	
2/17/94	74-GW04D-01					x										x								3/29/94	42	34	
2/17/94	74-GW01-01	x	x	x	x		x	x			x	x	x	x	x		x	x				x	3/29/94	42	34		
2/17/94	74-GW01D-01					x										x								3/29/94	42	34	
2/17/94	74-GW05-01	x	x	x	x		x	x			x	x	x	x	x		x	x				x	3/29/94	42	34	VOA is Quickturn (7-days)	
2/17/94	74-GW05D-01					x										x								3/29/94	42	34	
2/17/94	74-RS-10		x	x	x		x	x			x													###			Rinsate - Teflon Bailer - HOLD Do not analyze
2/17/94	74-RSD-10					x																x		###			
2/22/94	74-GW07-01	x	x	x	x		x	x			x	x	x	x	x		x	x				x	4/20/94	58	45	rec 4/7-no P/PCB	
2/22/94	74-GW07D-01					x										x								4/7/94	45	45	
2/22/94	74-GW08-01	x	x	x	x		x	x			x	x	x	x	x		x	x				x	4/20/94	58	45	rec 4/7-no P/PCB	
2/22/94	74-GW08D-01					x										x								4/7/94	45	45	
2/22/94	74-RS-12	x	x	x	x		x	x			x													###			Rinsate-Teflon Bailer, Hold do not analyze
2/22/94	74-RSD-12					x																		###			Rinsate-Teflon Bailer, Hold do not analyze

SURFACE WATER-SITE 74

CTO-19212

DATE SHIPPED	SAMPLE ID	Analysis Requested										Analysis Received						DATE RECD	TURNAROUND TIME	SDG NO.	COMMENTS			
		TCL VOA	TCL SVOA	TCL PEST/PCB	TAL METALS	CSM	THIODYGLYCOL	MIREX	ORDNANCE	CYANIDE		TCL VOA	TCL SVOA	TCL PEST/PCB	TAL METALS	CSM	THIODYGLYCOL					MIREX	ORDNANCE	CYANIDE
1/24/94	74-PDA-SW01	x	x	x	x					x	x	x	x						x	3/24/94	60	17	rec 3/2/94; no pest/pcb	
1/24/94	74-PDA-SW02	x	x	x	x					x	x	x	x						x	3/24/94	60	17	rec 3/2/94; no pest/pcb	
1/24/94	74-PDA-SW03	x	x	x	x					x	x	x	x						x	3/24/94	60	17	rec 3/2/94; no pest/pcb	
1/24/94	74-TB-09	x																		3/2/94	38	17	Trip Blank	
COUNT		4	3	3	3	0	0	0	0	3	0	4	3	3	3	0	0	0	0	3				

**SEDIMENT-SITE 74
CTO-19212**

DATE SHIPPED	SAMPLE ID	Analysis Requested								Analysis Received								DATE REC'D	TURNAROUND TIME		COMMENTS
		TCL VOA	TCL SVOA	TCL PEST/PCB	TAL METALS	CSM	MIREX	ORDNANCE	CYANIDE	TCL VOA	TCL SVOA	TCL PEST/PCB	TAL METALS	CSM	MIREX	ORDNANCE	CYANIDE		SDG NO.		
1/24/94	74-PDA-SD01-06	x	x	x	x				x	x	x	x	x				x	5/4/94	100	6	rec 3/18; no Pest/PCB
1/24/94	74-PDA-SD02-06	x	x	x	x				x	x	x	x	x				x	5/4/94	100	6	rec 3/18; no Pest/PCB
1/24/94	74-PDA-SD03-06	x	x	x	x				x	x	x	x	x				x	5/4/94	100	6	rec 3/18; no Pest/PCB
COUNT		3	3	3	3	0	0	0	3	3	3	3	3	0	0	0	3				

APPENDIX M.1
SITE 41

APPENDIX N
COPC WORKSHEETS

SITE 41

ONCE SURFACE SOIL

CONTAMINANT	RANGE	95% UCL	FREQUENCY	BLANK	BACKGROUND	HISTORY	ANTHROPOGENIC	NUTRIENT	TOXICITY	RBC	ARAR	COPC
1,4-Dichlorobenzene	49J	1095.7	293.7									
2-Methylnaphthalene	41J-350	1099.2	302.4									X
4-chloro-3-methylphenol	61J	1095.6	292.5									
4-Methylphenol	53J	1095.3	292.7									
Acenaphthene	52J-130J	1092.6	291.5									
Benzofluoranthene	71J-160J	1085.5	291.7									
Benzol(b)fluoranthene	78J-150J	1095.4	291.4									
Benzof(g,h,i)perylene	41J-4100J	373.9	296.5									X
Benzof(k)fluoranthene	89J-109J	1094.8	290.9									
Benzof(a)pyrene	74J-4700J	345.9	260.6									X
bis(2-chloroethyl) ether	79J-800J	1025.2	304.2									
bis(2-ethylhexyl)phthalate	31J-710J	493.5	291.9									
Butyl butyl phthalate	88J	1096.2	291.9									
Carbazole	06J	1095.7	292.5									
Chrysene	43J-170J	1091.4	293.5									
Dibenzofuran	48J	1095.9	293.7									
Diethyl phthalate	110J	1096.5	290.1									
di-n-Butylphthalate	41J-230J	1080.6	263.5									
di-n-Octylphthalate	46J-1600	1119.1	321.6									
Fluoranthene	96J-260J	1091.6	292.7									X
Fluorene	44J-120J	1089.8	292.1									X
Indeno(1,2,3-cd)pyrene	105J	1096.5	290.2									
Naphthalene	45J-130J	1095.0	293.5									X
N-nitrosodiphenylamine	240J	1098.2	292.0									
Phenanthrene	39J-260J	1091.2	292.3									X
Pyrene	52J-190J	1090.2	292.3									X

CONTAMINANT	RANGE	95% UCL	FREQUENCY	BLANK	BACKGROUND	HISTORY	ANTHROPOGENIC	NUTRIENT	TOXICITY	RBC	ARAR	COPC
Chloroform	20-30	6.10	6.1	2/60								
Methylene Chloride	2.1-2.6	7.2	7.1	18/60	80							
Acetone	9.1-1000	12.1	24.8	34/60	1900							
2-Butanone	13-15	6.3	6.9	8/60								
Trichloroethene	1	6.0	6.2	1/60								
Benzene	1	6.0	6.2	1/60								
Chlorobenzene	90-100	10.9	7.7	1/60								X
Ethylbenzene	70-50	8.1	6.8	2/60								
delta-BHC	2.9	1.3	1.2	1/60								
Lindane (gamma-BHC)	11.9	1.7	1.9	1/60								
Heptachlor	0.68-1.8	2.2	1.6	1/60	0.15							X
Aldrin	1.7-12.8	1.7	1.4	1/60								X
Heptachlor epoxide	0.4-1.5	1.6	1.9	5/60								X
Endosulfan I	0.78-2.92	1.4	1.2	5/60								X
Dieldrin	0.2-1.6	5.7	9.0	1/60								X
4,4' DDE	0.32-39.6	6.2	5.6	2/60								X
Endrin	0.55-29.3	3.4	2.8	1/60								X
Endosulfan II	5.5-25.2	3.9	8.2	4/60								X
4,4' DDD	0.24-1600	5.5	9.8	20/60								X
4,4' DDT	0.8-3.2	17.0	5.6	10/60								X
Methoxychlor	5.4-11	13.0	15.2	1/60								
Endrin ketone	0.8-6	2.6	2.7	1/60								
Endrin Aldrin kpls.	1.45-11.4	2.6	2.9	1/60								X
alpha-Chlordane	28-100	7.1	2.1	1/60								X
gamma-Chlordane	31-170	8.2	1.8	13/60								X

CONTAMINANT	RANGE	95%UCL	FREQUENCY	BLANK	BACKGROUND	HISTORY	ANTHROPOGENIC	NUTRIENT	TOXICITY	RBC	ARAR	COPC
Aroclor - 1248	30.75-251	31.9	26.7	5/66								
Aroclor - 1260	39.61-307	39.5	26.1	5/66								X
Acetyphenone	126.2	2037.9	456.6	1/66								X
Antimony	10.25-25.9	1.1	1.1	5/66	4.7							X
Arsenic	3.18-3.02	.83	.85	33/66	0.6							X
Bakelite	3.15-126	23.5	21.1	33/66	11.9							X
Benzene	187.2-21	1.3	1.2	10/66	0.2							X
Carbonium	1.32-9.13	0.6	0.5	3/66	1.0							X
Chromium	2.1-10.5	8.6	8.6	3/66	8.7							X
Cobalt	4.53	2.0	2.0	1/66	1.6							X
Copper	3.71-39.8	6.7	5.1	15/66	1.6							X
Cadmium	8.94-82.9	51.8	98.1	6/66	9.1							X
Manganese	1.63-29.1	22.0	18.9	50/66	6.2							X
Nickel ✓	?	0.1	0.1	23/66	0.1							X
Nickel	7.58-12.9	3.9	3.9	2/66								X
Selenium	3.73-1.18	.33	.33	1/66								X
Vanadium	1.79-25.7	9.3	10.2	49/66	0.4							X
Zinc	2.81-90.7	40.6	38.0	57/66	5.6							X
Total Cyanide	1.06-1.63	1.2	1.2	66/66	0.9							X
												X
												X
												X

Site 41

Unnamed Tributary and Tank Creek Sediment

CONTAMINANT	RANGE	95% UCL	FREQUENCY	BLANK	BACKGROUND	HISTORY	ANTHROPOGENIC	NUTRIENT	TOXICITY	RBC	ARAR	COPC
Benzo (a) pyrene	57J	289.7	298.2	1/28								
Benzo (b) fluoranthene	69J	289.9	294.7	1/28								
Benzo (k) fluoranthene	58J	289.9	297.8	1/28								
Bis(2-ethylhexyl) phthalate	44J-94J	266.9	304.8	5/28	40							
di-n-butyl phthalate	48J-370J	277.3	318.9	6/28	20							
di-n-octyl phthalate	49J-310J	290.7	308.7	3/28								
Fluoranthene	100J	296.4	289.7	1/28								
Pyrene	100J	290.4	289.7	1/28								
Methylene Chloride	2J-7J	8.8	9.5	8/28	80							
Acetone	4J-190	56.2	74.6	11/28	1900							
Trichloroethene	2J	8.8	8.9	1/28								
Toluene	2J	8.7	9.2	2/28								
Dieldren	?	3.0	3.1	?								
4,4- DDE	0.53J-31.3J	8.4	8.5	17/28								X
Endosulfon II	?	3.2	3.4	?								X
4,4- DDD	0.38-73.9	15.8	17.8	19/28								X
4-4- DDT	0.36-34.8	6.6	6.5	16/28								X
Methoxychlor	?	12.3	17.8	?								
Endrin Ketone	0.66NJ	2.8	2.9	1/28								
alpha-chlordane	?	1.7	1.8	1/28								
gamma-chlordane	?	1.8	1.8	?								
Aroclor- 1248	63J-140J	38.9	35.2	3/28								X
Aroclor - 1254	68J	30.9	30.0	1/28								
1,3,5-Trinitrobenzene	1390	152.3	NA	1/28								

Site 41

Unnamed Tributary and Tank Creek Sediment

CONTAMINANT	RANGE	95% UCL		FREQUENCY	BLANK	BACKGROUND	HISTORY	ANTHROPOGENIC	NUTRIENT	TOXICITY	RBC	ARAR	COPC
Arsenic	0.617-3.67	1.15	0.93	9/28									X
Barium	3.06-79.9	21.3	29.1	22/28									X
Beryllium	0.235-1.02	0.41	0.28	5/28									X
Chromium	2.42-16.53	6.9	7.7	16/28									X
Copper	7.34-8.34	5.9	3.3	2/28									
Lead	1.1-59.43	17.9	25.3	29/28									X
Manganese	1.38-46.43	12.8	22.3	23/28									X
Nickel	3.79-6.12	8.8	5.0	1/28									X
Selenium	0.6293-0.8625	0.75	0.47	4/28									X
Thallium	1.193	1.34	0.71	1/28									
Vanadium	9.72-28.6	9.4	7.9	10/28									X
Zinc	12.8-85.3	25.4	30.7	11/28									X

SITE 74

FORMER DISREAL/POTENTIAL DISPOSAL/ADYMOZ POST CONTAMINATION SURVEY

CONTAMINANT	RANGE	95% UCL	FREQUENCY	BLANK	BACKGROUND	HISTORY	ANTHROPOGENIC	NUTRIENT	TOXICITY	RBC	ARAR	COPC
p-chloro-3-methylphenol	541-240	236.6	237.1	2/60								
Acenaphthene	393	233.9	241.5	1/60								
Benzofluorene	1312	233.6	233.9	1/60								
Benzofluoranthene	601-1601	235.9	235.1	2/60								
bis(2-chloroethyl) ether	120-180	229.5	232.5	5/60								
bis(2-ethylhexyl)phthalate	2-10	238.1	239.9	4/60	40							
Diethyl phthalate	361-860	243.3	249.3	2/60								
n-n-Butylphthalate	391-126	245.6	248.0	13/60	20							
Pyrene	72	225.8	228.7	1/60								
Methylene chloride	11-23	8.0	7.9	20/60	80							
Acetone	41-210	25.5	21.8	22/60	1900							
Trichlorobenzene	25-81	5.8	5.9	3/60								X
Toluene	11-31	5.8	6.0	3/60	10							
Styrene	11	5.8	6.0	1/60								
Xylenes (total)	31-61	5.8	5.8	4/60								
alpha-BHC	0.45	45.0	2.4	1/60								
Heptachlor	201-2481	51.0	3.5	8/60	0.15							X
Dieldrin	.41	45.0	2.4	1/60								
Heptachlor epoxide	0.21-1.43	45.0	2.4	3/60								X
Dieldrin	321-7061	31.2	9.0	5/60								X
4,4' DDE	311-1731	96.8	21.2	2/60								X
Endrin	.42-1.06	3.1	2.5	3/60								
Endosulfan II	.44-1.31	3.1	2.5	3/60								
4,4' DDD	3111-3101	113.9	11.7	2/60								X
4,4' DDT	.811-3101	216.6	30.5	2/60								X

SITE 79 EMP D.P. / P.A. / D.I. / EMP POST CONTROL AREA SURVEY YIL

CONTAMINANT	RANGE	95% UCL	FREQUENCY	BLANK	BACKGROUND	HISTORY	ANTHROPOGENIC	NUTRIENT	TOXICITY	RBC	ARAR	COPC
Methyl oxichlor	1.06	18.9	13.4	1/60								
Endrin Aldrinic	0.5-2.29	3.1	2.5	5/60 X								X
alpha-Chlordane	39.1-116.0	54.0	3.1	0/60								X
gamma-Chlordane	45.1-108.0	71.8	3.2	0/60								X
Hydroxyacetophenone	19.0	91.2	1076.9	1/37								
Antimony	1.72-3.73	1.0	1.0	2/60								
Arsenic	0.211-1.16	.49	.42	0/60 R	1759							X
Barium	2.09-59.7	9.7	9.4	59/60 R	17.58							X
Cadmium	0.25-10.8	.36	.36	4/60	0.655							
Chromium	1.81-10.6	4.7	5.8	50/60 R	4.973							X
Copper	3.07-22	3.0	2.5	4/60	14.08							
Lead	0.78-16.4	5.1	5.2	60/60 O	37.09							
Manganese	1.41-46.2	10.6	6.6	59/60 R	16.83							X
Mercury	0.05-0.92	.05	.05	8/60 O	0.087							
Nickel	3.15-9.78	2.5	2.5	0/60 O	4.05							X
Selenium	0.04-1.2	.46	.45	10/60 R	0.674							X
Vanadium	4.03-15.1	6.0	6.2	39/60 R	6.76							X
Zinc	2.27-35.9	6.5	6.2	33/60 R	13.35							X
Total Cyanide	1.05-1.37	1.2	1.2	60/60 O	2.9							X

20700-212

2 of 2

Site 41
Groundwater

CONTAMINANT	RANGE	95% UCL		FREQUENCY	BLANK	BACKGROUND	HISTORY	ANTHROPOGENIC	NUTRIENT	TOXICITY	RBC	ARAR	COPC
Selenium	1.66-8.36	34	4.0	9/18									X
Vanadium	25.9-244	115	240	12/18									X
Zinc	17.8-5180	896.2	833.1	18/18									X

Site 41
Groundwater

CONTAMINANT	RANGE	95% UCL		FREQUENCY	BLANK	BACKGROUND	HISTORY	ANTHROPOGENIC	NUTRIENT	TOXICITY	RBC	ARAR	COPC
bis(2-ethylhexyl)phthalate	1J	7.3	8.6	1/18									
di-n-butyl phthalate	1J-2J	7.0	8.7	3/18									
Naphthalene	3J	7.2	7.4	1/18									
Nitrobenzene	4J	7.2	7.3	1/18									
T. 1,2-Dichloroethene	1,22J	5.2	5.7	1/18									
Chloroform	1.02-3.17	5.6	5.9	3/18	100								
Bromodichloromethane	1.05	5.2	5.8	1/18	20								
Dibromochloromethane	1.27-1.95	5.1	5.7	2/18	10								
Benzene	2.67	5.1	5.2	1/18									
Bromoform	1.33	5.2	5.7	1/18									
Chlorobenzene	1.49	5.1	5.5	1/18									
alpha-BHC	0.01	0.03	0.04	1/18									
beta-BHC	0.08	0.04	0.04	4/18									X
4,4-DDD	0.01	0.07	0.08	1/18									
Arsenic	2.4-36.3	12.8	22.2	15/18									X
Barium	22.6-999	360	624.7	10/18									X
Beryllium	1.57-42.8	9.6	9.4	6/18									X
Cadmium	4.6-110	21.8	21.5	8/18									X
Chromium	10.5-244	102.3	321.1	14/18									X
Cobalt	16.5-117	35.2	37.7	5/18									X
Copper	25.9-1030	174.5	94.4	7/18									X
Lead	1.88-9340	1441.4	2291.9	17/18									X
Manganese	16.9-2110	580.9	1220.1	18/18									X
Mercury	0.152-0.922	0.2	0.2	2/18									
Nickel	32.1-137	54.6	61.6	8/18									X

Site 74

Former Disposal / Potential Disposal / Former Pest Control Subsurface Soil

CONTAMINANT	RANGE	95% UCL		FREQUENCY	BLANK	BACKGROUND	HISTORY	ANTHROPOGENIC	NUTRIENT	TOXICITY	RBC	ARAR	COPC
bis(2-ethylhexyl) phthalate	37-240	277.1	322	8/47	40								
Diethyl phthalate	874	311.2	309.4	1/47									
di-n-butyl phthalate	43-155	253.6	274.6	10/47	20								
Methylene Chloride	190	16.3	8.2	1/47	80								
Acetone	6-820	134.3	177.1	32/47	1900								
Heptachlor	0.24-1.59	1.0	1.03	3/47	0.15								X
Aldrin	0.14	0.97	0.98	1/47									
Heptachlor Epoxide	0.33	0.97	0.99	1/47									
4,4-DDE	1.05-21.3	3.0	2.4	5/47									X
4,4-DDD	0.59-3.61	1.9	2.0	5/47									X
4,4-DDT	0.34-21.37	3.0	2.5	9/47									X
Methoxy Chlor	7.06	9.7	9.7	1/47									
Endrin Aldehyde	0.48-0.77	1.9	1.9	2/47									
Antimony	1.9-1.97	1.0	0.9	2/47		4.7							
Arsenic	0.538-2.76	0.6	0.5	10/47		0.6							X
Barium	2.77-17.5	5.7	6.3	29/47		11.9							X
Chromium	1.92-9.91	4.8	5.4	41/47		8.7							X
Lead	0.751-7.42	2.9	3.0	47/47		9.1							X
Manganese	1.55-21.7	5.5	3.3	32/47		6.2							X
Vanadium	3.93-14.2	4.5	4.4	16/47		10.1							X
Zinc	2.51-11.1	3.0	3.0	19/47	0	5.6							X
Cyanide	1.05-1.25	1.1	1.1	47/47		0.9							X

Site 74

Pesticide Disposal Area Surface Water / Sediment

CONTAMINANT	RANGE	95%UCL	FREQUENCY	BLANK	BACKGROUND	HISTORY	ANTHROPOGENIC	NUTRIENT	TOXICITY	RBC	ARAR	COPC
NO ORGANICS												
Lead	1.62-6.04	8.7	290.9									
3,3'-Dichlorobenzidine	140.2	696	671.8									
Trichloroethene	8.5	18.7	10.2									
4,4'-DDE	0.92-1.85	5.1	13.2									
Endosulfon II	0.63-0.8	6.6	408.8									X
4,4'-DDT	0.82	6.3	33.9									X
Methoxychlor	0.83	34.5	?									
Endrin Aldehyde	1.35	7.0	7.2									
Barium	5.73-13	16.4	959217									X
Chromium	1.8-3.13	3.8	117.2									X
Lead	2.67-6.06	7.1	28.7									X
Manganese	2.76-5.27	6.0	13.2									X
Selenium	1.02	1.2	32.3									
Vanadium	4.4	5.1	12.6									
Zinc	12.6	16.0	?									

Site 74

Groundwater

CONTAMINANT	RANGE	95%	UCL	FREQUENCY	BLANK	BACKGROUND	HISTORY	ANTHROPOGENIC	NUTRIENT	TOXICITY	RBC	ARAR	COPC
Di-n-butyl phthalate	2J	13.6	7.6	1/8	20								
Acetone	2J-2.04J	10.4	6.0	2/8									
Lindan (g-BHC)	0.04J	0.065	0.035	1/8									
Heptachlor	0.01NJ	0.067	0.041	1/8									
Endosulfan II	0.02J	0.134	0.083	1/8									
alpha-Chlordane	0.02J	0.066	0.034	1/8									
Arsenic	2.86-31.6	17.5	116.9	5/8									X
Barium	38.9-336	176.1	222.4	8/8									X
Beryllium	0.842-2.25	1.6	2.4	5/8									X
Chromium	15.9-144	70.8	202.4	8/8									X
Cobalt	32.8-36.7	25.3	25.1	2/8									X
Copper	43.6	25.0	18.7	1/8									
Lead	3.1J-64.2	31.5	67.1	8/8									X
Manganese	8.47-347	148.5	421.8	8/8									X
Mercury	0.244	0.24	0.15	1/8									
Nickel	41.7-69.4	43.2	38.7	2/8									X
Selenium	1.8J	1.7	1.1	1/8									
Vanadium	22-201	137.3	719.8	5/8									X
Zinc	19.1-410	253.3	804.2	5/8									X

SITE 41 SURFACE SOIL

CONTAMINANT	RANGE	95% UCL	FREQUENCY	BLANK	BACKGROUND	HISTORY	ANTHROPOGENIC	NUTRIENT	TOXICITY	RBC	ARAR	COPC
1,4-Dichlorobenzene	1800	657.1	291.4	1/46								
2-Methylnaphthalene	55.1	659.6	292.6	1/46								
4-Nitroanthracene	—	—	—	—								
4-Nitrophenol	—	—	—	—								
Acenaphthene	910-3800	659.2	296.9	2/46								
Anthracene	411-510	659.2	305.9	3/46								X
Benzo(a)anthracene	1301-2000	715.7	345.0	6/46								X
Benzo(a)pyrene	4101-3000	618.9	249.5	5/46								X
Benzo(b)fluoranthene	381-2500	710.7	355.9	6/46								X
Benzo(b)fluoranthene	1101-1000	656.9	302.9	4/46								X
Benzo(k)fluoranthene	511-1700	687.6	331.1	6/46								X
Benzo(e)pyrene	—	—	—	—								
Benzo(g)perylene	—	—	—	—								
bis(2-Chloroethyl)ether	570-2200	644.2	291.7	6/46								X
bis(2-Ethylhexyl)phthalate	421-5800	645.6	312.8	12/46	40							
Carbazole	441-3800	657.2	301.2	2/46								
Chrysene	390-2300	709.2	354.7	6/46								
Chrysene	1300	656.5	290.9	1/46								
Dibenz(a,h)anthracene	570	659.6	292.9	1/46								
di-n-butylphthalate	421-2300	643.8	293.1	13/46	20							
Fluoranthene	401-2000	342.5	214.1	6/46								X
Fluoranthene	790-2800	656.9	293.5	2/46								
Indeno(1,2,3-cd)pyrene	710-760	652.9	290.9	2/46								
Naphthalene	700	659.9	291.3	1/46								
Perylene	720-2600	392.8	295.9	6/46								X

CONTAMINANT	RANGE	95% UCL	FREQUENCY	BLANK	BACKGROUND	HISTORY	ANTHROPOGENIC	NUTRIENT	TOXICITY	RBC	ARAR	COPC
Pyrene	✓ 50.1-220.1	826.3	269.4	(7/46)								X
Methylene Chloride	2.0-5.0	8.1	8.1	13/46	80							
1,1,1-Trichloroethane	3.1-2.880	111.5	20.9	11/46	1900							
1,1,1-Trichloroethane												
1,1,1-Trichloroethane	1.0-4.0	6.0	6.3	(3/46)								X
alpha-BHC												
Beta-BHC	1.72-NI	1.8	NO FIGURE	1/46								
Delta-BHC	6.0-0.28NI	1.4	1.5	1/46								
Endrin (gamma-isomer)	0.22-NI	1.4	1.3	1/46								
Heptachlor	0.8NI-7.16	1.6	1.5	(3/46)	0.15							X
AKH												
Heptachlor epoxide	✓ 0.56NI-9.0NI	1.8	1.5	5/46 ✓								
Endosulfan I												
Dieldrin	0.2NI-16.05NI	3.1	3.1	(17/46)								X
1,1'-DDE	0.12NI-87.8	16.0	20.8	39/46								X
Endrin	6.47NI-29.5	2.8	2.5	(8/46) ✓								
Endosulfan II	0.5NI-5.0NI	3.1	3.0	(9/46)								X
1,1'-DDT	0.37NI-92.0	14.3	10.8	(19/46)								X
cyclohexan sulfate	0.32NI	2.8	2.6	1/46								
1,1'-DDT	0.37NI-29.0	22.9	13.4	(29/46)								X
Methoxychlor	1.41NI-308NI	13.6	13.5	(2/46) ✓								
Endrin Ketone	0.44NI	2.7	2.5	1/46								
Endrin Aldehyde	0.6NI-1.3NI	2.7	2.5	(7/46)								X
alpha-chlorobenzene	0.08NI-92.0	6.6	2.5	(16/46)								X
gamma-chlorobenzene	0.06NI-92.0	6.7	2.9	(10/46)								X

CONTAMINANT	RANGE	95% UCL	FREQUENCY	BLANK	BACKGROUND	HISTORY	ANTHROPOGENIC	NUTRIENT	TOXICITY	RBC	ARAR	COFC
Amidor 1242	82.9	29.4	26/46									
Amidor 1260	58.9	28.5	25/46									
1,3-Dinitrobenzene	82.9	86.5	34/46									
Antimony	2.181-2.57	1.1	1.0		2.896							
Arsenic	0.671-1.92	1.05	1.05		0.759							X
Barium	3.41-82.2	11.0	11.9		17.575							X
Beryllium	0.187-0.349	0.15	0.14		0.228							X
Cadmium	0.861-7.14	0.88	0.62		0.655							X
Chromium	2.11-41.4	8.1	9.0		4.973							X
Cobalt	6.96	2.2	2.1									
Copper	4.17-132	13.4	9.2		17.08							X
Lead	2.521-3.11	49.7	48.3		37.09							X
Manganese	1.671-600.1	363.1	51.7		116.838							X
Mercury	0.74-0.768	0.13	0.11		0.087							X
Nickel	7.36-35.3	5.6	4.5		4.05							X
Selenium	0.357-0.596	0.30	0.30		0.674							X
Vanadium	4.62-39.2	10.6	11.3		6.76							X
Zinc	37.1-146.0	88.1	127.5		13.35							X
Total Cyclo	1.09-1.57	1.2	1.2		2.9							X

APPENDIX O
DATA AND FREQUENCY SUMMARIES

APPENDIX O.1
SITE 41 DOWNSLOPE AND ON-SITE SURFACE SOIL ORGANICS

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 DOWNSLOPE AND ONSITE SURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-DS-SB01-00	41-DS-SB02-00	41-DS-SB03-00	41-DS-SB04-00	41-DS-SB05-00	41-DS-SB06-00
Laboratory Sample ID:	9402042-10A	9402043-09	9402043-10	9402042-11A	9402042-12A	9402042-13A
Date Sampled:						
Percent Solids	87.1	85.5	77.2	89.9	88.3	86.9
SEMIVOLATILES						
1,2-Dichlorobenzene	UG/KG	380 U	389 U	429 U	367 U	380 U
1,2,4-Trichlorobenzene	UG/KG	380 U	389 U	429 U	367 U	380 U
1,3-Dichlorobenzene	UG/KG	380 U	389 U	429 U	367 U	380 U
1,4-Dichlorobenzene	UG/KG	380 U	389 U	429 U	367 U	380 U
2-Chloronaphthalene	UG/KG	380 U	389 U	429 U	367 U	380 U
2-Chlorophenol	UG/KG	380 U	389 U	429 U	367 U	380 U
2-Methylnaphthalene	UG/KG	380 U	389 U	429 U	367 U	380 U
2-Methylphenol	UG/KG	380 U	389 U	429 U	367 U	380 U
2-Nitroaniline	UG/KG	920 U	944 U	1040 U	889 U	920 U
2-Nitrophenol	UG/KG	380 U	389 U	429 U	367 U	380 U
2,2'-oxybis-(1-chloropropane)	UG/KG	380 U	389 U	429 U	367 U	380 U
2,4-Dichlorophenol	UG/KG	380 U	389 U	429 U	367 U	380 U
2,4-Dimethylphenol	UG/KG	380 U	389 U	429 U	367 U	380 U
2,4-Dinitrophenol	UG/KG	920 U	944 U	1040 U	889 U	920 U
2,4-Dinitrotoluene	UG/KG	380 U	389 U	429 U	367 U	380 U
2,4,5-Trichlorophenol	UG/KG	920 U	944 U	1040 U	889 U	920 U
2,4,6-Trichlorophenol	UG/KG	380 U	389 U	429 U	367 U	380 U
2,6-Dinitrotoluene	UG/KG	380 U	389 U	429 U	367 U	380 U
3-Nitroaniline	UG/KG	920 U	944 U	1040 U	889 U	920 U
3,3'-Dichlorobenzidine	UG/KG	380 U	389 U	429 U	367 U	380 U
4-Bromophenyl-phenylether	UG/KG	380 U	389 U	429 U	367 U	380 U
4-Chloro-3-methylphenol	UG/KG	380 U	389 U	429 U	367 U	380 U
4-Chloroaniline	UG/KG	380 U	389 U	429 U	367 U	380 U
4-Chlorophenyl phenyl ether	UG/KG	380 U	389 U	429 U	367 U	380 U
4-Methylphenol	UG/KG	380 U	389 U	429 U	367 U	380 U
4-Nitroaniline	UG/KG	920 U	944 U	1040 U	889 U	920 U
4-Nitrophenol	UG/KG	920 U	944 U	1040 U	889 U	920 U
4,6-Dinitro-2-methylphenol	UG/KG	920 U	944 U	1040 U	889 U	920 U
Acenaphthene	UG/KG	380 U	389 U	429 U	367 U	380 U
Acenaphthylene	UG/KG	380 U	389 U	429 U	367 U	380 U
Anthracene	UG/KG	380 U	389 U	429 U	367 U	380 U
Benzo[a]anthracene	UG/KG	380 U	389 U	429 U	367 U	380 U
Benzo[a]pyrene	UG/KG	380 U	389 U	429 U	367 U	380 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 DOWNSLOPE AND ONSITE SURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-DS-SB01-00	41-DS-SB02-00	41-DS-SB03-00	41-DS-SB04-00	41-DS-SB05-00	41-DS-SB06-00
Laboratory Sample ID:	9402042-10A	9402043-09	9402043-10	9402042-11A	9402042-12A	9402042-13A
Date Sampled:						
Percent Solids	87.1	85.5	77.2	89.9	88.3	86.9

SEMIVOLATILES Cont.

Benzo[b]fluoranthene	UG/KG	380 U	389 U	429 U	367 U	376 U	380 U
Benzo[g,h,i]perylene	UG/KG	380 U	389 U	429 U	367 U	376 U	380 U
Benzo[k]fluoranthene	UG/KG	380 U	389 U	429 U	367 U	376 U	380 U
bis(2-Chloroethoxy) methane	UG/KG	380 U	389 U	429 U	367 U	376 U	380 U
bis(2-Chloroethyl) ether	UG/KG	380 U	389 U	429 U	367 U	376 U	380 U
bis(2-Ethylhexyl)phthalate	UG/KG	380 U	389 U	429 U	367 U	376 U	380 U
Butyl benzyl phthalate	UG/KG	380 U	389 U	429 U	367 U	376 U	380 U
Carbazole	UG/KG	380 U	389 U	429 U	367 U	376 U	380 U
Chrysene	UG/KG	380 U	389 U	429 U	367 U	376 U	380 U
Dibenzofuran	UG/KG	380 U	389 U	429 U	367 U	376 U	380 U
Dibenz[a,h]anthracene	UG/KG	380 U	389 U	429 U	367 U	376 U	380 U
Diethylphthalate	UG/KG	380 U	389 U	429 U	367 U	376 U	380 U
Dimethyl phthalate	UG/KG	380 U	389 U	429 U	367 U	376 U	380 U
di-n-Butylphthalate	UG/KG	380 U	390 U	430 U	370 U	380 U	380 U
di-n-Octylphthalate	UG/KG	380 U	389 U	429 U	367 U	376 U	380 U
Fluoranthene	UG/KG	380 U	389 U	429 U	367 U	376 U	380 U
Fluorene	UG/KG	380 U	389 U	429 U	367 U	376 U	380 U
Hexachlorobenzene	UG/KG	380 U	389 U	429 U	367 U	376 U	380 U
Hexachlorobutadiene	UG/KG	380 U	389 U	429 U	367 U	376 U	380 U
Hexachlorocyclopentadiene	UG/KG	380 U	389 U	429 U	367 U	376 U	380 U
Hexachloroethane	UG/KG	380 U	389 U	429 U	367 U	376 U	380 U
Indeno[1,2,3-cd]pyrene	UG/KG	380 U	389 U	429 U	367 U	376 U	380 U
Isophorone	UG/KG	380 U	389 U	429 U	367 U	376 U	380 U
Naphthalene	UG/KG	380 U	389 U	429 U	367 U	376 U	380 U
Nitrobenzene	UG/KG	380 U	389 U	429 U	367 U	376 U	380 U
N-Nitroso-di-n-propylamine	UG/KG	380 U	389 U	429 U	367 U	376 U	380 U
N-nitrosodiphenylamine	UG/KG	380 U	389 U	429 U	367 U	376 U	380 U
Pentachlorophenol	UG/KG	920 U	944 U	1040 U	889 U	912 U	920 U
Phenanthrene	UG/KG	380 U	389 U	429 U	367 U	376 U	380 U
Phenol	UG/KG	380 U	389 U	429 U	367 U	376 U	380 U
Pyrene	UG/KG	380 U	389 U	429 U	367 U	376 U	380 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 DOWNSLOPE AND ONSITE SURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-DS-SB01-00	41-DS-SB02-00	41-DS-SB03-00	41-DS-SB04-00	41-DS-SB05-00	41-DS-SB06-00	
Laboratory Sample ID:	9402042-10A	9402043-09	9402043-10	9402042-11A	9402042-12A	9402042-13A	
Date Sampled:							
Percent Solids	87.1	85.5	77.2	89.9	88.3	86.9	
VOLATILES							
Chloromethane	UG/KG	11.5 U	11.6 UJ	13 U	11.1 U	11.4 U	11.5 U
Bromomethane	UG/KG	11.5 U	11.6 UJ	13 U	11.1 U	11.4 U	11.5 U
Vinyl chloride	UG/KG	11.5 U	11.6 UJ	13 U	11.1 U	11.4 U	11.5 U
Chloroethane	UG/KG	11.5 U	11.6 UJ	13 U	11.1 U	11.4 U	11.5 U
Methylene chloride	UG/KG	21 U	17 UJ	41 U	3 J	18 U	18 U
Acetone	UG/KG	11.5 U	57 UJ	88 U	11.1 UJ	11 UJ	3 J
Carbon Disulfide	UG/KG	11.5 U	11.6 UJ	13 U	11.1 U	11.4 U	11.5 U
1,1-Dichloroethene	UG/KG	11.5 U	11.6 UJ	13 U	11.1 U	11.4 U	11.5 U
1,1-Dichloroethane	UG/KG	11.5 U	11.6 UJ	13 U	11.1 U	11.4 U	11.5 U
1,2-Dichloroethene(total)	UG/KG	11.5 U	11.6 UJ	13 U	11.1 U	11.4 U	11.5 U
Chloroform	UG/KG	11.5 U	11.6 UJ	13 U	11.1 U	11.4 U	11.5 U
1,2-Dichloroethane	UG/KG	11.5 U	11.6 UJ	13 U	11.1 U	11.4 U	11.5 U
2-Butanone	UG/KG	11.5 U	11.6 R	13 R	11.1 U	11.4 U	11.5 U
1,1,1-Trichloroethane	UG/KG	11.5 U	11.6 U	13 U	11.1 U	11.4 U	11.5 U
Carbon tetrachloride	UG/KG	11.5 U	11.6 U	13 U	11.1 U	11.4 U	11.5 U
Bromodichloromethane	UG/KG	11.5 U	11.6 U	13 U	11.1 U	11.4 U	11.5 U
1,2-Dichloropropane	UG/KG	11.5 U	11.6 U	13 U	11.1 U	11.4 U	11.5 U
cis-1,3-Dichloropropene	UG/KG	11.5 U	11.6 U	13 U	11.1 U	11.4 U	11.5 U
Trichloroethene	UG/KG	11.5 U	11.6 U	13 U	11.1 U	11.4 U	11.5 U
Dibromochloromethane	UG/KG	11.5 U	11.6 U	13 U	11.1 U	11.4 U	11.5 U
1,1,2-Trichloroethane	UG/KG	11.5 U	11.6 U	13 U	11.1 U	11.4 U	11.5 U
Benzene	UG/KG	11.5 U	11.6 U	13 U	11.1 U	11.4 U	11.5 U
trans-1,3-Dichloropropene	UG/KG	11.5 U	11.6 U	13 U	11.1 U	11.4 U	11.5 U
Bromoform	UG/KG	11.5 U	11.6 U	13 U	11.1 U	11.4 U	11.5 U
4-Methyl-2-pentanone	UG/KG	11.5 U	11.6 UJ	13 U	11.1 U	11.4 U	11.5 U
2-Hexanone	UG/KG	11.5 U	11.6 UJ	13 U	11.1 U	11.4 U	11.5 U
Tetrachloroethene	UG/KG	11.5 U	11.6 UJ	13 U	11.1 U	11.4 U	11.5 U
1,1,2,2-Tetrachloroethane	UG/KG	11.5 U	11.6 UJ	13 U	11.1 U	11.4 U	11.5 U
Toluene	UG/KG	11.5 U	11.6 UJ	13 U	11.1 U	11.4 U	11.5 U
Chlorobenzene	UG/KG	11.5 U	11.6 UJ	13 U	11.1 U	11.4 U	11.5 U
Ethylbenzene	UG/KG	11.5 U	11.6 UJ	13 U	11.1 U	11.4 U	11.5 U
Styrene	UG/KG	11.5 U	11.6 UJ	13 U	11.1 U	11.4 U	11.5 U
Xylenes (total)	UG/KG	11.5 U	11.6 UJ	13 U	11.1 U	11.4 U	11.5 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 DOWNSLOPE AND ONSITE SURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-DS-SB01-00	41-DS-SB02-00	41-DS-SB03-00	41-DS-SB04-00	41-DS-SB05-00	41-DS-SB06-00
Laboratory Sample ID:	9402042-10A	9402043-09	9402043-10	9402042-11A	9402042-12A	9402042-13A
Date Sampled:						
Percent Solids	87.1	85.5	77.2	89.9	88.3	86.9
<u>PESTICIDE/PCBS</u>						
alpha-BHC	UG/KG	1.95 UJ	2 UJ	2.21 UJ	1.89 UJ	1.95 UJ
beta-BHC	UG/KG	1.95 R	2 UJ	4.72 NJ	1.89 R	1.95 R
delta-BHC	UG/KG	1.95 UJ	2 UJ	2.21 UJ	1.89 UJ	1.95 UJ
Lindane (gamma-BHC)	UG/KG	1.95 U	2 UJ	2.21 UJ	1.89 U	1.95 UJ
Heptachlor	UG/KG	1.95 U	2 UJ	2.21 UJ	1.89 U	1.95 UJ
Aldrin	UG/KG	1.95 U	2 UJ	2.21 UJ	1.89 U	1.95 UJ
Heptachlor epoxide	UG/KG	1.95 U	2 UJ	2.21 UJ	1.89 U	1.95 UJ
Endosulfan I	UG/KG	1.95 U	2 UJ	2.21 UJ	1.89 U	1.95 UJ
Dieldrin	UG/KG	3.79 U	3.88 UJ	4.28 UJ	3.67 U	3.79 UJ
4,4'-DDE	UG/KG	3.79 UJ	0.96 J	4.28 UJ	3.67 UJ	1.4 J
Endrin	UG/KG	3.79 UJ	3.88 UJ	4.28 UJ	3.67 UJ	3.79 UJ
Endosulfan II	UG/KG	3.79 UJ	3.88 UJ	4.28 UJ	3.67 UJ	3.79 UJ
4,4'-DDD	UG/KG	3.79 UJ	0.56 J	4.28 UJ	3.67 UJ	3.79 UJ
Endosulfan sulfate	UG/KG	3.79 UJ	3.88 UJ	4.28 UJ	3.67 UJ	3.79 UJ
4,4'-DDT	UG/KG	3.79 UJ	1.26 J	4.28 UJ	3.67 UJ	3.79 UJ
Methoxychlor	UG/KG	19.5 UJ	20 UJ	22.02 UJ	18.9 UJ	19.5 UJ
Endrin ketone	UG/KG	3.79 UJ	3.88 UJ	4.28 UJ	3.67 UJ	3.79 UJ
Endrin aldehyde	UG/KG	3.79 U	3.88 UJ	4.28 UJ	3.67 U	3.79 UJ
alpha-Chlordane	UG/KG	1.95 U	2 UJ	2.21 UJ	1.89 U	1.95 UJ
gamma-Chlordane	UG/KG	1.95 U	2 UJ	1.69 J	1.89 U	1.95 UJ
Toxaphene	UG/KG	195 U	200 UJ	221 UJ	189 U	195 UJ
Aroclor 1016	UG/KG	37.9 U	38.8 UJ	42.8 UJ	36.7 U	37.9 UJ
Aroclor 1221	UG/KG	77 U	78.8 UJ	87 UJ	74.4 U	77 UJ
Aroclor 1232	UG/KG	37.9 U	38.8 UJ	42.8 UJ	36.7 U	37.9 UJ
Aroclor 1242	UG/KG	37.9 U	38.8 UJ	42.8 UJ	36.7 U	37.9 UJ
Aroclor 1248	UG/KG	37.9 U	38.8 UJ	42.8 UJ	36.7 U	37.9 UJ
Aroclor 1254	UG/KG	37.9 U	38.8 UJ	42.8 UJ	36.7 U	37.9 UJ
Aroclor 1260	UG/KG	37.9 U	38.8 UJ	42.8 UJ	36.7 U	37.9 UJ

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 DOWNSLOPE AND ONSITE SURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-DS-SB01-00	41-DS-SB02-00	41-DS-SB03-00	41-DS-SB04-00	41-DS-SB05-00	41-DS-SB06-00
Laboratory Sample ID:	9402042-10A	9402043-09	9402043-10	9402042-11A	9402042-12A	9402042-13A
Date Sampled:						
Percent Solids	87.1	85.5	77.2	89.9	88.3	86.9
CHEMICAL SURETY						
Acetophenone	UG/KG	380 U	389 U	429 U	367 U	380 U
Chloroacetophenone	UG/KG	380 U	389 U	429 U	367 U	380 U
Hydroxyacetophenone	UG/KG	1900 U	1950 U	2140 U	1830 U	1900 U
Bis(2'-chloroethyl)disulfide	UG/KG	1900 U	1950 U	2140 U	1830 U	1900 U
Bis(2'-chloroethyl)trisulfide	UG/KG	1900 U	1950 U	2140 U	1830 U	1900 U
1,4-Dithiane	UG/KG	380 U	389 U	429 U	367 U	380 U
1,4-Oxathiane	UG/KG	380 U	389 U	429 U	367 U	380 U
THIODIGLYCOL						
Thiodiglycol	MG/KG	7.19 U	7.31 U	8.12 U	6.94 U	7.19 U
ORDNANCE						
1,3,5-Trinitrobenzene	UG/KG	40.2 UJ	40.2 U	40.2 U	40.2 U	40.2 U
1,3-Dinitrobenzene	UG/KG	37.2 UJ	37.2 U	824 NJ	37.2 U	37.2 U
2,4,6-Trinitrotoluene	UG/KG	35.6 UJ	35.6 U	35.6 U	35.6 U	35.6 U
2,4-Dinitrotoluene	UG/KG	51.6 UJ	51.6 U	51.6 U	51.6 U	51.6 U
2,6-Dinitrotoluene	UG/KG	47.6 UJ	47.6 U	47.6 U	47.6 U	47.6 U
2-Amino-4,6-dinitrotoluene	UG/KG	46.7 UJ	46.7 U	46.7 U	46.7 U	46.7 U
2-Nitrotoluene	UG/KG	81.4 UJ	81.4 U	81.4 U	81.4 U	81.4 U
3-Nitrotoluene	UG/KG	81.7 UJ	81.7 U	81.7 U	81.7 U	81.7 U
4-Amino-2,6-dinitrotoluene	UG/KG	40.8 UJ	40.8 U	40.8 U	40.8 U	40.8 U
4-Nitrotoluene	UG/KG	87.2 UJ	87.2 U	87.2 U	87.2 U	87.2 U
HMX	UG/KG	70.5 UJ	70.5 U	70.5 U	70.5 U	70.5 U
Nitrobenzene	UG/KG	35.2 UJ	35.2 U	35.2 U	35.2 U	35.2 U
RDX	UG/KG	50.9 UJ	50.9 U	50.9 U	50.9 U	50.9 U
Tetryl	UG/KG	163 UJ	163 U	163 U	163 U	163 U
MIREX						
Mirex	UG/KG	1900 U	1950 UJ	2140 UJ	1830 U	1900 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 DOWNSLOPE AND ONSITE SURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-DS-SB07-00	41-DS-SB08-00	41-DS-SB09-00	41-DS-SB10-00	41-DS-SB11-00	41-DS-SB12-00
Laboratory Sample ID:	9402042-14A	9402043-07	9402042-15A	9402042-16A	9402042-17A	9402042-18A
Date Sampled:						
Percent Solids	83	83.5	87.5	75.7	87.5	86.8
SEMIVOLATILES						
1,2-Dichlorobenzene	UG/KG	396 U	396 U	380 U	429 U	380 U
1,2,4-Trichlorobenzene	UG/KG	396 U	396 U	380 U	429 U	380 U
1,3-Dichlorobenzene	UG/KG	396 U	396 U	380 U	429 U	380 U
1,4-Dichlorobenzene	UG/KG	396 U	396 U	380 U	429 U	380 U
2-Chloronaphthalene	UG/KG	396 U	396 U	380 U	429 U	380 U
2-Chlorophenol	UG/KG	396 U	396 U	380 U	429 U	380 U
2-Methylnaphthalene	UG/KG	396 U	396 U	380 U	429 U	380 U
2-Methylphenol	UG/KG	396 U	396 U	380 U	429 U	380 U
2-Nitroaniline	UG/KG	960 U	960 U	920 U	1040 U	920 U
2-Nitrophenol	UG/KG	396 U	396 U	380 U	429 U	380 U
2,2'-oxybis-(1-chloropropane)	UG/KG	396 U	396 U	380 U	429 U	380 U
2,4-Dichlorophenol	UG/KG	396 U	396 U	380 U	429 U	380 U
2,4-Dimethylphenol	UG/KG	396 U	396 U	380 U	429 U	380 U
2,4-Dinitrophenol	UG/KG	960 U	960 U	920 U	1040 U	920 U
2,4-Dinitrotoluene	UG/KG	396 U	396 U	380 U	429 U	380 U
2,4,5-Trichlorophenol	UG/KG	960 U	960 U	920 U	1040 U	920 U
2,4,6-Trichlorophenol	UG/KG	396 U	396 U	380 U	429 U	380 U
2,6-Dinitrotoluene	UG/KG	396 U	396 U	380 U	429 U	380 U
3-Nitroaniline	UG/KG	960 U	960 U	920 U	1040 U	920 U
3,3'-Dichlorobenzidine	UG/KG	396 U	396 U	380 U	429 U	380 U
4-Bromophenyl-phenylether	UG/KG	396 U	396 U	380 U	429 U	380 U
4-Chloro-3-methylphenol	UG/KG	396 U	396 U	380 U	429 U	380 U
4-Chloroaniline	UG/KG	396 U	396 U	380 U	429 U	380 U
4-Chlorophenyl phenyl ether	UG/KG	396 U	396 U	380 U	429 U	380 U
4-Methylphenol	UG/KG	396 U	396 U	380 U	429 U	380 U
4-Nitroaniline	UG/KG	960 U	960 U	920 U	1040 U	920 U
4-Nitrophenol	UG/KG	960 U	960 U	920 U	1040 U	920 U
4,6-Dinitro-2-methylphenol	UG/KG	960 U	960 U	920 U	1040 U	920 U
Acenaphthene	UG/KG	396 U	396 U	380 U	429 U	380 U
Acenaphthylene	UG/KG	396 U	396 U	380 U	429 U	380 U
Anthracene	UG/KG	396 U	396 U	380 U	429 U	380 U
Benzo[a]anthracene	UG/KG	396 U	396 U	380 U	429 U	380 U
Benzo[a]pyrene	UG/KG	396 U	396 U	380 U	429 U	380 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 DOWNSLOPE AND ONSITE SURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-DS-SB07-00	41-DS-SB08-00	41-DS-SB09-00	41-DS-SB10-00	41-DS-SB11-00	41-DS-SB12-00
Laboratory Sample ID:	9402042-14A	9402043-07	9402042-15A	9402042-16A	9402042-17A	9402042-18A
Date Sampled:						
Percent Solids	83	83.5	87.5	75.7	87.5	86.8

SEMIVOLATILES Cont.

Benzo[b]fluoranthene	UG/KG	396 U	396 U	380 U	429 U	380 U	380 U
Benzo[g,h,i]perylene	UG/KG	396 U	396 U	380 U	429 U	380 U	380 U
Benzo[k]fluoranthene	UG/KG	396 U	396 U	380 U	429 U	380 U	380 U
bis(2-Chloroethoxy) methane	UG/KG	396 U	396 U	380 U	429 U	380 U	380 U
bis(2-Chloroethyl) ether	UG/KG	396 U	396 U	380 U	429 U	380 U	380 U
bis(2-Ethylhexyl)phthalate	UG/KG	396 U	396 U	380 U	429 U	380 U	380 U
Butyl benzyl phthalate	UG/KG	396 U	396 U	380 U	429 U	380 U	380 U
Carbazole	UG/KG	396 U	396 U	380 U	429 U	380 U	380 U
Chrysene	UG/KG	396 U	396 U	380 U	429 U	380 U	380 U
Dibenzofuran	UG/KG	396 U	396 U	380 U	429 U	380 U	380 U
Dibenz[a,h]anthracene	UG/KG	396 U	396 U	380 U	429 U	380 U	380 U
Diethylphthalate	UG/KG	396 U	396 U	380 U	429 U	380 U	380 U
Dimethyl phthalate	UG/KG	396 U	396 U	380 U	429 U	380 U	380 U
di-n-Butylphthalate	UG/KG	400 U	396 U	380 U	430 U	380 U	380 U
di-n-Octylphthalate	UG/KG	396 U	396 U	55 J	429 U	380 U	380 U
Fluoranthene	UG/KG	396 U	396 U	380 U	429 U	380 U	380 U
Fluorene	UG/KG	396 U	396 U	380 U	429 U	380 U	380 U
Hexachlorobenzene	UG/KG	396 U	396 U	380 U	429 U	380 U	380 U
Hexachlorobutadiene	UG/KG	396 U	396 U	380 U	429 U	380 U	380 U
Hexachlorocyclopentadiene	UG/KG	396 U	396 U	380 U	429 U	380 U	380 U
Hexachloroethane	UG/KG	396 U	396 U	380 U	429 U	380 U	380 U
Indeno[1,2,3-cd]pyrene	UG/KG	396 U	396 U	380 U	429 U	380 U	380 U
Isophorone	UG/KG	396 U	396 U	380 U	429 U	380 U	380 U
Naphthalene	UG/KG	396 U	396 U	380 U	429 U	380 U	380 U
Nitrobenzene	UG/KG	396 U	396 U	380 U	429 U	380 U	380 U
N-Nitroso-di-n-propylamine	UG/KG	396 U	396 U	380 U	429 U	380 U	380 U
N-nitrosodiphenylamine	UG/KG	396 U	396 U	380 U	429 U	380 U	380 U
Pentachlorophenol	UG/KG	960 U	960 U	920 U	1040 U	920 U	920 U
Phenanthrene	UG/KG	396 U	396 U	380 U	429 U	380 U	380 U
Phenol	UG/KG	396 U	396 U	380 U	429 U	380 U	380 U
Pyrene	UG/KG	396 U	396 U	380 U	429 U	380 U	380 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 DOWNSLOPE AND ONSITE SURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-DS-SB07-00	41-DS-SB08-00	41-DS-SB09-00	41-DS-SB10-00	41-DS-SB11-00	41-DS-SB12-00	
Laboratory Sample ID:	9402042-14A	9402043-07	9402042-15A	9402042-16A	9402042-17A	9402042-18A	
Date Sampled:							
Percent Solids	83	83.5	87.5	75.7	87.5	86.8	
VOLATILES							
Chloromethane	UG/KG	12 U	11.9 U	11.4 U	13.2 U	11.4 U	11.5 U
Bromomethane	UG/KG	12 U	11.9 U	11.4 U	13.2 U	11.4 U	11.5 U
Vinyl chloride	UG/KG	12 U	11.9 U	11.4 U	13.2 U	11.4 U	11.5 U
Chloroethane	UG/KG	12 U	11.9 U	11.4 U	13.2 U	11.4 U	11.5 U
Methylene chloride	UG/KG	15 U	54 U	16 U	5 J	16 U	23 U
Acetone	UG/KG	3 J	11.9 U	11 U	13.2 UJ	11.4 U	11.5 U
Carbon Disulfide	UG/KG	12 U	11.9 U	11.4 U	13.2 U	11.4 U	11.5 U
1,1-Dichloroethene	UG/KG	12 U	11.9 U	11.4 U	13.2 U	11.4 U	11.5 U
1,1-Dichloroethane	UG/KG	12 U	11.9 U	11.4 U	13.2 U	11.4 U	11.5 U
1,2-Dichloroethene(total)	UG/KG	12 U	11.9 U	11.4 U	13.2 U	11.4 U	11.5 U
Chloroform	UG/KG	12 U	11.9 U	11.4 U	13.2 U	11.4 U	11.5 U
1,2-Dichloroethane	UG/KG	12 U	11.9 U	11.4 U	13.2 U	11.4 U	11.5 U
2-Butanone	UG/KG	12 U	11.9 R	11.4 U	13.2 U	11.4 U	11.5 U
1,1,1-Trichloroethane	UG/KG	12 U	11.9 U	11.4 U	13.2 U	11.4 U	11.5 U
Carbon tetrachloride	UG/KG	12 U	11.9 U	11.4 U	13.2 U	11.4 U	11.5 U
Bromodichloromethane	UG/KG	12 U	11.9 U	11.4 U	13.2 U	11.4 U	11.5 U
1,2-Dichloropropane	UG/KG	12 U	11.9 U	11.4 U	13.2 U	11.4 U	11.5 U
cis-1,3-Dichloropropene	UG/KG	12 U	11.9 U	11.4 U	13.2 U	11.4 U	11.5 U
Trichloroethene	UG/KG	12 U	11.9 U	11.4 U	13.2 U	11.4 U	11.5 U
Dibromochloromethane	UG/KG	12 U	11.9 U	11.4 U	13.2 U	11.4 U	11.5 U
1,1,2-Trichloroethane	UG/KG	12 U	11.9 U	11.4 U	13.2 U	11.4 U	11.5 U
Benzene	UG/KG	12 U	11.9 U	11.4 U	13.2 U	11.4 U	11.5 U
trans-1,3-Dichloropropene	UG/KG	12 U	11.9 U	11.4 U	13.2 U	11.4 U	11.5 U
Bromoform	UG/KG	12 U	11.9 U	11.4 U	13.2 U	11.4 U	11.5 U
4-Methyl-2-pentanone	UG/KG	12 U	11.9 U	11.4 U	13.2 U	11.4 U	11.5 U
2-Hexanone	UG/KG	12 U	11.9 U	11.4 U	13.2 U	11.4 U	11.5 U
Tetrachloroethene	UG/KG	12 U	11.9 U	11.4 U	13.2 U	11.4 U	11.5 U
1,1,2,2-Tetrachloroethane	UG/KG	12 U	11.9 U	11.4 U	13.2 U	11.4 U	11.5 U
Toluene	UG/KG	12 U	11.9 U	11.4 U	13.2 U	11.4 U	11.5 U
Chlorobenzene	UG/KG	12 U	11.9 U	11.4 U	13.2 U	11.4 U	11.5 U
Ethylbenzene	UG/KG	12 U	11.9 U	11.4 U	13.2 U	11.4 U	11.5 U
Styrene	UG/KG	12 U	11.9 U	11.4 U	13.2 U	11.4 U	11.5 U
Xylenes (total)	UG/KG	12 U	11.9 U	11.4 U	13.2 U	11.4 U	11.5 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 DOWNSLOPE AND ONSITE SURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-DS-SB07-00	41-DS-SB08-00	41-DS-SB09-00	41-DS-SB10-00	41-DS-SB11-00	41-DS-SB12-00
Laboratory Sample ID:	9402042-14A	9402043-07	9402042-15A	9402042-16A	9402042-17A	9402042-18A
Date Sampled:						
Percent Solids	83	83.5	87.5	75.7	87.5	86.8
<u>PESTICIDE/PCBS</u>						
alpha-BHC	UG/KG	2.05 UJ	2.05 UJ	1.95 UJ	2.24 UJ	1.95 UJ
beta-BHC	UG/KG	2.05 R	2.05 UJ	1.95 R	2.24 R	1.95 R
delta-BHC	UG/KG	2.05 UJ	2.05 UJ	1.95 UJ	2.24 UJ	1.95 UJ
Lindane (gamma-BHC)	UG/KG	2.05 UJ	2.05 UJ	1.95 UJ	2.24 U	1.95 UJ
Heptachlor	UG/KG	2.05 UJ	2.05 UJ	1.95 UJ	2.24 U	1.51 J
Aldrin	UG/KG	2.05 UJ	2.05 UJ	1.95 UJ	2.24 U	1.95 UJ
Heptachlor epoxide	UG/KG	2.05 UJ	2.05 UJ	1.95 UJ	2.24 U	1.95 UJ
Endosulfan I	UG/KG	2.05 UJ	2.05 UJ	1.95 UJ	2.24 U	1.95 UJ
Dieldrin	UG/KG	3.98 UJ	3.98 UJ	3.79 UJ	4.34 U	3.79 UJ
4,4'-DDE	UG/KG	0.45 J	3.98 UJ	1.81 J	1.75 NJ	3.79 UJ
Endrin	UG/KG	3.98 UJ	3.98 UJ	3.79 UJ	4.34 UJ	3.79 UJ
Endosulfan II	UG/KG	3.98 UJ	3.98 UJ	3.79 UJ	4.34 UJ	3.79 UJ
4,4'-DDD	UG/KG	3.98 UJ	3.98 UJ	3.79 UJ	4.34 UJ	3.79 UJ
Endosulfan sulfate	UG/KG	3.98 UJ	3.98 UJ	3.79 UJ	4.34 U	3.79 UJ
4,4'-DDT	UG/KG	3.98 UJ	3.98 UJ	0.37 J	2.28 J	3.79 UJ
Methoxychlor	UG/KG	20.5 UJ	20.5 UJ	19.5 UJ	22.4 U	19.5 UJ
Endrin ketone	UG/KG	3.98 UJ	3.98 UJ	3.79 UJ	4.34 U	3.79 UJ
Endrin aldehyde	UG/KG	3.98 UJ	3.98 UJ	3.79 UJ	4.34 U	3.79 UJ
alpha-Chlordane	UG/KG	2.05 UJ	2.05 UJ	1.95 UJ	2.24 U	1.95 UJ
gamma-Chlordane	UG/KG	2.05 UJ	2.05 UJ	1.95 UJ	2.24 U	1.95 UJ
Toxaphene	UG/KG	205 UJ	205 UJ	195 UJ	224 U	195 UJ
Aroclor 1016	UG/KG	39.8 UJ	39.8 UJ	37.9 UJ	43.4 U	37.9 UJ
Aroclor 1221	UG/KG	80.7 UJ	80.7 UJ	77 UJ	88.2 U	77 UJ
Aroclor 1232	UG/KG	39.8 UJ	39.8 UJ	37.9 UJ	43.4 U	37.9 UJ
Aroclor 1242	UG/KG	39.8 UJ	39.8 UJ	37.9 UJ	43.4 U	37.9 UJ
Aroclor 1248	UG/KG	39.8 UJ	39.8 UJ	37.9 UJ	43.4 U	37.9 UJ
Aroclor 1254	UG/KG	39.8 UJ	39.8 UJ	37.9 UJ	43.4 U	37.9 UJ
Aroclor 1260	UG/KG	39.8 UJ	39.8 UJ	37.9 UJ	43.4 U	37.9 UJ

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 DOWNSLOPE AND ONSITE SURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-DS-SB07-00	41-DS-SB08-00	41-DS-SB09-00	41-DS-SB10-00	41-DS-SB11-00	41-DS-SB12-00
Laboratory Sample ID:	9402042-14A	9402043-07	9402042-15A	9402042-16A	9402042-17A	9402042-18A
Date Sampled:						
Percent Solids	83	83.5	87.5	75.7	87.5	86.8
CHEMICAL SURETY						
Acetophenone	UG/KG	396 U	396 U	380 U	429 U	380 U
Chloroacetophenone	UG/KG	396 U	396 U	380 U	429 U	380 U
Hydroxyacetophenone	UG/KG	1980 U	1980 U	1900 U	2140 U	1900 U
Bis(2'-chloroethyl)disulfide	UG/KG	1980 U	1980 U	1900 U	2140 U	1900 U
Bis(2'-chloroethyl)trisulfide	UG/KG	1980 U	1980 U	1900 U	2140 U	1900 U
1,4-Dithiane	UG/KG	396 U	396 U	380 U	429 U	380 U
1,4-Oxathiane	UG/KG	396 U	396 U	380 U	429 U	380 U
THIODIGLYCOL						
Thiodiglycol	MG/KG	7.5 U	7.5 U	7.12 U	8.25 U	7.12 U
ORDNANCE						
1,3,5-Trinitrobenzene	UG/KG	40.2 U	40.2 U	40.2 U	40.2 U	40.2 U
1,3-Dinitrobenzene	UG/KG	37.2 U	37.2 U	37.2 U	37.2 U	37.2 U
2,4,6-Trinitrotoluene	UG/KG	35.6 U	35.6 U	35.6 U	35.6 U	35.6 U
2,4-Dinitrotoluene	UG/KG	51.6 U	51.6 U	51.6 U	51.6 U	51.6 U
2,6-Dinitrotoluene	UG/KG	47.6 U	47.6 U	47.6 U	47.6 U	47.6 U
2-Amino-4,6-dinitrotoluene	UG/KG	46.7 U	46.7 U	46.7 U	46.7 U	46.7 U
2-Nitrotoluene	UG/KG	81.4 U	81.4 U	81.4 U	81.4 U	81.4 U
3-Nitrotoluene	UG/KG	81.7 U	81.7 U	81.7 U	81.7 U	81.7 U
4-Amino-2,6-dinitrotoluene	UG/KG	40.8 U	40.8 U	40.8 U	40.8 U	40.8 U
4-Nitrotoluene	UG/KG	87.2 U	87.2 U	87.2 U	87.2 U	87.2 U
HMX	UG/KG	70.5 U	70.5 U	70.5 U	70.5 U	70.5 U
Nitrobenzene	UG/KG	35.2 U	35.2 U	35.2 U	35.2 U	35.2 U
RDX	UG/KG	50.9 U	50.9 U	50.9 U	50.9 U	50.9 U
Tetryl	UG/KG	163 U	163 U	163 U	163 U	163 U
MIREX						
Mirex	UG/KG	1980 U	1980 U	1900 U	2140 U	1900 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 DOWNSLOPE AND ONSITE SURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-OS-SB01-00	41-OS-SB02-00	41-OS-SB03-00	41-OS-SB04-00	41-OS-SB05-00	41-OS-SB06-00
Laboratory Sample ID:	9402021-01	9402021-06	9402021-10	9402086-04	9402042-01A	9402086-01
Date Sampled:						
Percent Solids	84.7	86.8	82.6	90.3	91.6	88.1
SEMIVOLATILES						
1,2-Dichlorobenzene	UG/KG	389 U	380 U	396 U	367 U	376 U
1,2,4-Trichlorobenzene	UG/KG	389 U	380 U	396 U	367 U	376 U
1,3-Dichlorobenzene	UG/KG	389 U	380 U	396 U	367 U	376 U
1,4-Dichlorobenzene	UG/KG	389 U	380 U	396 U	367 U	376 U
2-Chloronaphthalene	UG/KG	389 U	380 U	396 U	367 U	376 U
2-Chlorophenol	UG/KG	389 U	380 U	396 U	367 U	376 U
2-Methylnaphthalene	UG/KG	389 U	380 U	396 U	367 U	376 U
2-Methylphenol	UG/KG	389 U	380 U	396 U	367 U	376 U
2-Nitroaniline	UG/KG	944 U	920 U	960 U	889 U	912 U
2-Nitrophenol	UG/KG	389 U	380 U	396 U	367 U	376 U
2,2'-oxybis-(1-chloropropane)	UG/KG	389 U	380 U	396 U	367 U	376 U
2,4-Dichlorophenol	UG/KG	389 U	380 U	396 U	367 U	376 U
2,4-Dimethylphenol	UG/KG	389 U	380 U	396 U	367 U	376 U
2,4-Dinitrophenol	UG/KG	944 U	920 U	960 U	889 U	912 U
2,4-Dinitrotoluene	UG/KG	389 U	380 U	396 U	367 U	376 U
2,4,5-Trichlorophenol	UG/KG	944 U	920 U	960 U	889 U	912 U
2,4,6-Trichlorophenol	UG/KG	389 U	380 U	396 U	367 U	376 U
2,6-Dinitrotoluene	UG/KG	389 U	380 U	396 U	367 U	376 U
3-Nitroaniline	UG/KG	944 U	920 U	960 U	889 U	912 U
3,3'-Dichlorobenzidine	UG/KG	389 U	380 U	396 U	367 U	376 U
4-Bromophenyl-phenylether	UG/KG	389 U	380 U	396 U	367 U	376 U
4-Chloro-3-methylphenol	UG/KG	389 U	380 U	396 U	367 U	376 U
4-Chloroaniline	UG/KG	389 U	380 U	396 U	367 U	376 U
4-Chlorophenyl phenyl ether	UG/KG	389 U	380 U	396 U	367 U	376 U
4-Methylphenol	UG/KG	389 U	380 U	396 U	367 U	376 U
4-Nitroaniline	UG/KG	944 U	920 R	960 R	889 U	912 U
4-Nitrophenol	UG/KG	944 U	920 U	960 U	889 U	912 U
4,6-Dinitro-2-methylphenol	UG/KG	944 U	920 U	960 U	889 U	912 U
Acenaphthene	UG/KG	389 U	380 U	396 U	367 U	376 U
Acenaphthylene	UG/KG	389 U	380 U	396 U	367 U	376 U
Anthracene	UG/KG	389 U	380 U	396 U	367 U	376 U
Benzof[<i>a</i>]anthracene	UG/KG	389 U	380 U	396 U	367 U	376 U
Benzof[<i>a</i>]pyrene	UG/KG	389 U	380 U	396 U	367 U	376 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 DOWNSLOPE AND ONSITE SURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-OS-SB01-00	41-OS-SB02-00	41-OS-SB03-00	41-OS-SB04-00	41-OS-SB05-00	41-OS-SB06-00
Laboratory Sample ID:	9402021-01	9402021-06	9402021-10	9402086-04	9402042-01A	9402086-01
Date Sampled:						
Percent Solids	84.7	86.8	82.6	90.3	91.6	88.1
SEMIVOLATILES Cont.						
Benzo[b]fluoranthene	UG/KG	389 U	380 U	396 U	367 U	363 U
Benzo[g,h,i]perylene	UG/KG	389 U	380 U	396 U	367 U	363 U
Benzo[k]fluoranthene	UG/KG	389 U	380 U	396 U	367 U	363 U
bis(2-Chloroethoxy) methane	UG/KG	389 U	380 U	396 U	367 U	363 U
bis(2-Chloroethyl) ether	UG/KG	389 U	380 U	71 J	367 U	65 J
bis(2-Ethylhexyl)phthalate	UG/KG	389 U	380 U	396 U	43 J	363 U
Butyl benzyl phthalate	UG/KG	389 U	380 U	396 U	367 U	363 U
Carbazole	UG/KG	389 U	380 U	396 U	367 U	363 U
Chrysene	UG/KG	389 U	380 U	396 U	367 U	363 U
Dibenzofuran	UG/KG	389 U	380 U	396 U	367 U	363 U
Dibenz[a,h]anthracene	UG/KG	389 U	380 U	396 U	367 U	363 U
Diethylphthalate	UG/KG	389 U	380 U	396 U	367 U	363 U
Dimethyl phthalate	UG/KG	389 U	380 U	396 U	367 U	363 U
di-n-Butylphthalate	UG/KG	389 U	230 J	150 J	69 J	360 U
di-n-Octylphthalate	UG/KG	389 U	380 U	396 U	367 U	363 U
Fluoranthene	UG/KG	389 U	380 U	396 U	367 U	363 U
Fluorene	UG/KG	389 U	380 U	396 U	367 U	363 U
Hexachlorobenzene	UG/KG	389 U	380 U	396 U	367 U	363 U
Hexachlorobutadiene	UG/KG	389 U	380 U	396 U	367 U	363 U
Hexachlorocyclopentadiene	UG/KG	389 U	380 U	396 U	367 U	363 U
Hexachloroethane	UG/KG	389 U	380 U	396 U	367 U	363 U
Indeno[1,2,3-cd]pyrene	UG/KG	389 U	380 U	396 U	367 U	363 U
Isophorone	UG/KG	389 U	380 U	396 U	367 U	363 U
Naphthalene	UG/KG	389 U	380 U	396 U	367 U	363 U
Nitrobenzene	UG/KG	389 U	380 U	396 U	367 U	363 U
N-Nitroso-di-n-propylamine	UG/KG	389 U	380 U	396 U	367 U	363 U
N-nitrosodiphenylamine	UG/KG	389 U	380 U	396 U	367 U	363 U
Pentachlorophenol	UG/KG	944 U	920 U	960 U	889 U	880 U
Phenanthrene	UG/KG	389 U	380 U	396 U	367 U	363 U
Phenol	UG/KG	389 U	380 U	396 U	367 U	363 U
Pyrene	UG/KG	389 U	380 U	396 U	367 U	363 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 DOWNSLOPE AND ONSITE SURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-OS-SB01-00	41-OS-SB02-00	41-OS-SB03-00	41-OS-SB04-00	41-OS-SB05-00	41-OS-SB06-00
Laboratory Sample ID:	9402021-01	9402021-06	9402021-10	9402086-04	9402042-01A	9402086-01
Date Sampled:						
Percent Solids	84.7	86.8	82.6	90.3	91.6	88.1
VOLATILES						
Chloromethane	UG/KG	11.8 U	11.5 U	12 U	11 U	10.9 U
Bromomethane	UG/KG	11.8 U	11.5 U	12 U	11 U	10.9 U
Vinyl chloride	UG/KG	11.8 U	11.5 U	12 U	11 U	10.9 U
Chloroethane	UG/KG	11.8 U	11.5 U	12 U	11 U	10.9 U
Methylene chloride	UG/KG	12 U	11 U	12 U	3 J	4 J
Acetone	UG/KG	11.8 UJ	11.5 U	5 J	11 U	10.9 UJ
Carbon Disulfide	UG/KG	11.8 U	11.5 U	12 U	11 U	10.9 U
1,1-Dichloroethene	UG/KG	11.8 U	11.5 U	12 U	11 U	10.9 U
1,1-Dichloroethane	UG/KG	11.8 U	11.5 U	12 U	11 U	10.9 U
1,2-Dichloroethene(total)	UG/KG	11.8 U	11.5 U	12 U	11 U	10.9 U
Chloroform	UG/KG	11.8 U	11.5 U	12 U	11 U	10.9 U
1,2-Dichloroethane	UG/KG	11.8 U	11.5 U	12 U	11 U	10.9 U
2-Butanone	UG/KG	11.8 U	11.5 U	12 U	11 U	10.9 U
1,1,1-Trichloroethane	UG/KG	11.8 U	11.5 U	12 U	11 U	10.9 U
Carbon tetrachloride	UG/KG	11.8 U	11.5 U	12 U	11 U	10.9 U
Bromodichloromethane	UG/KG	11.8 U	11.5 U	12 U	11 U	10.9 U
1,2-Dichloropropane	UG/KG	11.8 U	11.5 U	12 U	11 U	10.9 U
cis-1,3-Dichloropropene	UG/KG	11.8 U	11.5 U	12 U	11 U	10.9 U
Trichloroethene	UG/KG	11.8 U	11.5 U	12 U	11 U	10.9 U
Dibromochloromethane	UG/KG	11.8 U	11.5 U	12 U	11 U	10.9 U
1,1,2-Trichloroethane	UG/KG	11.8 U	11.5 U	12 U	11 U	10.9 U
Benzene	UG/KG	11.8 U	11.5 U	12 U	11 U	10.9 U
trans-1,3-Dichloropropene	UG/KG	11.8 U	11.5 U	12 U	11 U	10.9 U
Bromoform	UG/KG	11.8 U	11.5 U	12 U	11 U	10.9 U
4-Methyl-2-pentanone	UG/KG	11.8 U	11.5 U	12 U	11 U	10.9 U
2-Hexanone	UG/KG	11.8 U	11.5 U	12 U	11 U	10.9 U
Tetrachloroethene	UG/KG	11.8 U	11.5 U	12 U	11 U	10.9 U
1,1,2,2-Tetrachloroethane	UG/KG	11.8 U	11.5 U	12 U	11 U	10.9 U
Toluene	UG/KG	11.8 U	11.5 U	12 U	11 U	10.9 U
Chlorobenzene	UG/KG	11.8 U	11.5 U	12 U	11 U	10.9 U
Ethylbenzene	UG/KG	11.8 U	11.5 U	12 U	11 U	10.9 U
Styrene	UG/KG	11.8 U	11.5 U	12 U	11 U	10.9 U
Xylenes (total)	UG/KG	11.8 U	11.5 U	12 U	11 U	10.9 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 DOWNSLOPE AND ONSITE SURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-OS-SB01-00	41-OS-SB02-00	41-OS-SB03-00	41-OS-SB04-00	41-OS-SB05-00	41-OS-SB06-00	
Laboratory Sample ID:	9402021-01	9402021-06	9402021-10	9402086-04	9402042-01A	9402086-01	
Date Sampled:							
Percent Solids	84.7	86.8	82.6	90.3	91.6	88.1	
PESTICIDE/PCBS							
alpha-BHC	UG/KG	2 UJ	1.95 UJ	2.05 R	1.89 UJ	1.86 UJ	1.93 UJ
beta-BHC	UG/KG	2 U	1.95 UJ	2.05 R	1.89 UJ	1.86 R	1.93 UJ
delta-BHC	UG/KG	2 UJ	1.95 UJ	2.05 R	1.89 UJ	1.86 UJ	1.93 UJ
Lindane (gamma-BHC)	UG/KG	2 U	1.95 UJ	2.05 R	1.89 UJ	1.86 U	1.93 UJ
Heptachlor	UG/KG	2 U	1.95 UJ	7.16 J	1.89 UJ	1.86 U	0.26 UJ
Aldrin	UG/KG	2 U	1.95 UJ	2.05 R	1.89 UJ	1.86 U	1.93 UJ
Heptachlor epoxide	UG/KG	2 U	1.95 UJ	9.6 NJ	1.89 UJ	1.86 U	1.93 UJ
Endosulfan I	UG/KG	2 U	1.95 UJ	2.05 R	1.89 UJ	1.86 U	1.93 UJ
Dieldrin	UG/KG	3.88 U	3.79 UJ	3.98 R	3.67 UJ	3.62 U	0.83 J
4,4'-DDE	UG/KG	3.88 U	0.43 J	61 J	1.07 J	3.62 UJ	0.84 J
Endrin	UG/KG	3.88 U	3.79 UJ	2.93 J	3.67 UJ	3.62 UJ	3.75 UJ
Endosulfan II	UG/KG	3.88 U	3.79 UJ	3.59 J	3.67 UJ	3.62 UJ	2.61 J
4,4'-DDD	UG/KG	3.88 U	3.79 UJ	3.98 R	0.8 J	3.62 UJ	2.88 J
Endosulfan sulfate	UG/KG	3.88 U	3.79 UJ	3.98 R	3.67 UJ	3.62 UJ	3.75 UJ
4,4'-DDT	UG/KG	3.88 U	0.58 NJ	44 J	3.67 UJ	3.62 UJ	1.03 NJ
Methoxychlor	UG/KG	20 U	19.5 UJ	3.28 NJ	18.9 UJ	18.6 UJ	19.3 UJ
Endrin ketone	UG/KG	3.88 U	3.79 UJ	3.98 R	3.67 UJ	3.62 UJ	3.75 UJ
Endrin aldehyde	UG/KG	3.88 U	3.79 UJ	3.98 R	3.67 UJ	3.62 U	0.68 NJ
alpha-Chlordane	UG/KG	2 U	0.5 J	92.7 J	1.89 UJ	1.86 U	1.93 UJ
gamma-Chlordane	UG/KG	2 U	0.4 J	93.5 J	1.89 UJ	1.86 U	1.93 UJ
Toxaphene	UG/KG	200 U	195 UJ	205 R	189 UJ	186 U	193 UJ
Aroclor 1016	UG/KG	38.8 U	37.9 UJ	39.8 R	36.7 UJ	36.2 U	37.5 UJ
Aroclor 1221	UG/KG	78.8 U	77 UJ	80.7 R	74.4 UJ	73.5 U	76.1 UJ
Aroclor 1232	UG/KG	38.8 U	37.9 UJ	39.8 R	36.7 UJ	36.2 U	37.5 UJ
Aroclor 1242	UG/KG	38.8 U	37.9 UJ	39.8 R	36.7 UJ	36.2 U	37.5 UJ
Aroclor 1248	UG/KG	38.8 U	37.9 UJ	39.8 R	36.7 UJ	36.2 U	37.5 UJ
Aroclor 1254	UG/KG	38.8 U	37.9 UJ	39.8 R	36.7 UJ	36.2 U	37.5 UJ
Aroclor 1260	UG/KG	38.8 U	37.9 UJ	39.8 R	36.7 UJ	36.2 U	37.5 UJ

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 DOWNSLOPE AND ONSITE SURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-OS-SB01-00	41-OS-SB02-00	41-OS-SB03-00	41-OS-SB04-00	41-OS-SB05-00	41-OS-SB06-00
Laboratory Sample ID:	9402021-01	9402021-06	9402021-10	9402086-04	9402042-01A	9402086-01
Date Sampled:						
Percent Solids	84.7	86.8	82.6	90.3	91.6	88.1
CHEMICAL SURETY						
Acetophenone	UG/KG	389 U	380 U	396 U	367 U	376 U
Chloroacetophenone	UG/KG	389 U	380 U	396 U	367 U	376 U
Hydroxyacetophenone	UG/KG	1950 U	1900 U	1980 U	1830 U	1880 U
Bis(2'-chloroethyl)disulfide	UG/KG	1950 U	1900 U	1980 U	1830 U	1880 U
Bis(2'-chloroethyl)trisulfide	UG/KG	1950 U	1900 U	1980 U	1830 U	1880 U
1,4-Dithiane	UG/KG	389 U	380 U	396 U	367 U	376 U
1,4-Oxathiane	UG/KG	389 U	380 U	396 U	367 U	376 U
THIODIGLYCOL						
Thiodiglycol	MG/KG	7.38 U	7.19 U	7.56 U	6.94 U	7.06 U
ORDNANCE						
1,3,5-Trinitrobenzene	UG/KG	40.2 U	40.2 U	40.2 U	40.2 R	40.2 R
1,3-Dinitrobenzene	UG/KG	37.2 U	37.2 U	37.2 U	37.2 R	37.2 R
2,4,6-Trinitrotoluene	UG/KG	35.6 U	35.6 U	35.6 U	35.6 R	35.6 R
2,4-Dinitrotoluene	UG/KG	51.6 U	51.6 U	51.6 U	51.6 R	51.6 R
2,6-Dinitrotoluene	UG/KG	47.6 U	47.6 U	47.6 U	47.6 R	47.6 R
2-Amino-4,6-dinitrotoluene	UG/KG	46.7 U	46.7 U	46.7 U	46.7 R	46.7 R
2-Nitrotoluene	UG/KG	81.4 U	81.4 U	81.4 U	81.4 R	81.4 R
3-Nitrotoluene	UG/KG	81.7 U	81.7 U	81.7 U	81.7 R	81.7 R
4-Amino-2,6-dinitrotoluene	UG/KG	40.8 U	40.8 U	40.8 U	40.8 R	40.8 R
4-Nitrotoluene	UG/KG	87.2 U	87.2 U	87.2 U	87.2 R	87.2 R
HMX	UG/KG	70.5 U	70.5 U	70.5 U	70.5 R	70.5 R
Nitrobenzene	UG/KG	35.2 U	35.2 U	35.2 U	35.2 R	35.2 R
RDX	UG/KG	50.9 U	50.9 U	50.9 U	50.9 R	50.9 R
Tetryl	UG/KG	163 U	163 U	163 U	163 R	163 R
MIREX						
Mirex	UG/KG	1950 U	1900 U	1980 U	1830 U	1880 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 DOWNSLOPE AND ONSITE SURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-OS-SB07-00	41-OS-SB08-00	41-OS-SB09-00	41-OS-SB10-00	41-OS-SB11-00	41-OS-SB12-00
Laboratory Sample ID:	9402042-05A	9402086-09	9402042-03A	9402064-04	9402086-07	9402042-08A
Date Sampled:						
Percent Solids	86.2	86.3	89	84.3	84.8	76.8
SEMIVOLATILES						
1,2-Dichlorobenzene	UG/KG	389 U	383 U	370 U	393 U	389 U
1,2,4-Trichlorobenzene	UG/KG	389 U	383 U	370 U	393 U	389 U
1,3-Dichlorobenzene	UG/KG	389 U	383 U	370 U	393 U	389 U
1,4-Dichlorobenzene	UG/KG	389 U	383 U	370 U	393 U	389 U
2-Chloronaphthalene	UG/KG	389 U	383 U	370 U	393 U	389 U
2-Chlorophenol	UG/KG	389 U	383 U	370 U	393 U	389 U
2-Methylnaphthalene	UG/KG	389 U	383 U	370 U	393 U	389 U
2-Methylphenol	UG/KG	389 U	383 U	370 U	393 U	389 U
2-Nitroaniline	UG/KG	944 U	928 U	896 U	952 U	944 U
2-Nitrophenol	UG/KG	389 U	383 U	370 U	393 U	389 U
2,2'-oxybis-(1-chloropropane)	UG/KG	389 U	383 U	370 U	393 U	389 U
2,4-Dichlorophenol	UG/KG	389 U	383 U	370 U	393 U	389 U
2,4-Dimethylphenol	UG/KG	389 U	383 U	370 U	393 U	389 U
2,4-Dinitrophenol	UG/KG	944 U	928 U	896 U	952 U	944 U
2,4-Dinitrotoluene	UG/KG	389 U	383 U	370 U	393 U	389 U
2,4,5-Trichlorophenol	UG/KG	944 U	928 U	896 U	952 U	944 U
2,4,6-Trichlorophenol	UG/KG	389 U	383 U	370 U	393 U	389 U
2,6-Dinitrotoluene	UG/KG	389 U	383 U	370 U	393 U	389 U
3-Nitroaniline	UG/KG	944 U	928 U	896 U	952 U	944 U
3,3'-Dichlorobenzidine	UG/KG	389 U	383 U	370 U	393 U	389 U
4-Bromophenyl-phenylether	UG/KG	389 U	383 U	370 U	393 U	389 U
4-Chloro-3-methylphenol	UG/KG	389 U	383 U	370 U	393 U	389 U
4-Chloroaniline	UG/KG	389 U	383 U	370 U	393 U	389 U
4-Chlorophenyl phenyl ether	UG/KG	389 U	383 U	370 U	393 U	389 U
4-Methylphenol	UG/KG	389 U	383 U	370 U	393 U	389 U
4-Nitroaniline	UG/KG	944 U	928 U	896 U	952 U	944 U
4-Nitrophenol	UG/KG	944 U	928 U	896 U	952 U	944 U
4,6-Dinitro-2-methylphenol	UG/KG	944 U	928 U	896 U	952 U	944 U
Acenaphthene	UG/KG	389 U	383 U	370 U	380 J	389 U
Acenaphthylene	UG/KG	389 U	383 U	370 U	393 U	389 U
Anthracene	UG/KG	389 U	383 U	370 U	510	389 U
Benzo[a]anthracene	UG/KG	389 U	383 U	370 U	2400	389 U
Benzo[a]pyrene	UG/KG	389 U	383 U	40 J	2000	389 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 DOWNSLOPE AND ONSITE SURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-OS-SB07-00	41-OS-SB08-00	41-OS-SB09-00	41-OS-SB10-00	41-OS-SB11-00	41-OS-SB12-00
Laboratory Sample ID:	9402042-05A	9402086-09	9402042-03A	9402064-04	9402086-07	9402042-08A
Date Sampled:						
Percent Solids	86.2	86.3	89	84.3	84.8	76.8

<u>SEMIVOLATILES Cont.</u>						
Benzo[b]fluoranthene	UG/KG	389 U	383 U	38 J	2500	389 U 270 J
Benzo[g,h,i]perylene	UG/KG	389 U	383 U	370 U	1600	389 U 240 J
Benzo[k]fluoranthene	UG/KG	389 U	383 U	50 J	1700	389 U 320 J
bis(2-Chloroethoxy) methane	UG/KG	389 U	383 U	370 U	393 U	389 U 429 U
bis(2-Chloroethyl) ether	UG/KG	389 U	383 U	370 U	57 J	389 U 429 U
bis(2-Ethylhexyl)phthalate	UG/KG	389 U	240 J	370 U	170 J	46 J 580 J
Butyl benzyl phthalate	UG/KG	389 U	383 U	370 U	393 U	389 U 429 U
Carbazole	UG/KG	389 U	383 U	370 U	330 J	389 U 44 J
Chrysene	UG/KG	389 U	383 U	49 J	2300	389 U 420 J
Dibenzofuran	UG/KG	389 U	383 U	370 U	130 J	389 U 429 U
Dibenz[a,h]anthracene	UG/KG	389 U	383 U	370 U	393 U	389 U 57 J
Diethylphthalate	UG/KG	389 U	383 U	370 U	393 U	389 U 429 U
Dimethyl phthalate	UG/KG	389 U	383 U	370 U	393 U	389 U 429 U
di-n-Butylphthalate	UG/KG	390 U	55 J	370 U	393 U	42 J 840 U
di-n-Octylphthalate	UG/KG	389 U	383 U	370 U	393 U	389 U 429 U
Fluoranthene	UG/KG	389 U	53 J	79 J	3500 R	389 U 820
Fluorene	UG/KG	389 U	383 U	370 U	280 J	389 U 79 J
Hexachlorobenzene	UG/KG	389 U	383 U	370 U	393 U	389 U 429 U
Hexachlorobutadiene	UG/KG	389 U	383 U	370 U	393 U	389 U 429 U
Hexachlorocyclopentadiene	UG/KG	389 U	383 U	370 U	393 U	389 U 429 U
Hexachloroethane	UG/KG	389 U	383 U	370 U	393 U	389 U 429 U
Indeno[1,2,3-cd]pyrene	UG/KG	389 U	383 U	370 U	393 U	389 U 429 U
Isophorone	UG/KG	389 U	383 U	370 U	393 U	389 U 429 U
Naphthalene	UG/KG	389 U	383 U	370 U	393 U	389 U 70 J
Nitrobenzene	UG/KG	389 U	383 U	370 U	393 U	389 U 429 U
N-Nitroso-di-n-propylamine	UG/KG	389 U	383 U	370 U	393 U	389 U 429 U
N-nitrosodiphenylamine	UG/KG	389 U	383 U	370 U	393 U	389 U 429 U
Pentachlorophenol	UG/KG	944 U	928 U	896 U	952 U	944 U 1040 U
Phenanthrene	UG/KG	389 U	383 U	370 U	2600	389 U 540
Phenol	UG/KG	389 U	383 U	370 U	393 U	389 U 429 U
Pyrene	UG/KG	389 U	50 J	71 J	4400 R	389 U 600 J

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 DOWNSLOPE AND ONSITE SURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-OS-SB07-00	41-OS-SB08-00	41-OS-SB09-00	41-OS-SB10-00	41-OS-SB11-00	41-OS-SB12-00
Laboratory Sample ID:	9402042-05A	9402086-09	9402042-03A	9402064-04	9402086-07	9402042-08A
Date Sampled:						
Percent Solids	86.2	86.3	89	84.3	84.8	76.8
<u>VOLATILES</u>						
Chloromethane	UG/KG	11.6 U	12 U	11.2 U	12 U	13 U
Bromomethane	UG/KG	11.6 U	12 U	11.2 U	12 U	13 U
Vinyl chloride	UG/KG	11.6 U	12 U	11.2 U	12 U	13 U
Chloroethane	UG/KG	11.6 U	12 U	11.2 U	12 U	13 U
Methylene chloride	UG/KG	3 J	12 U	5 J	12 U	3 J
Acetone	UG/KG	6 J	12 U	18 J	20	13 UJ
Carbon Disulfide	UG/KG	11.6 U	12 U	11.2 U	12 U	13 U
1,1-Dichloroethene	UG/KG	11.6 U	12 U	11.2 U	12 U	13 U
1,1-Dichloroethane	UG/KG	11.6 U	12 U	11.2 U	12 U	13 U
1,2-Dichloroethene(total)	UG/KG	11.6 U	12 U	11.2 U	12 U	13 U
Chloroform	UG/KG	11.6 U	12 U	11.2 U	12 U	13 U
1,2-Dichloroethane	UG/KG	11.6 U	12 U	11.2 U	12 U	13 U
2-Butanone	UG/KG	11.6 U	12 U	11.2 U	12 U	13 U
1,1,1-Trichloroethane	UG/KG	11.6 U	12 U	11.2 U	12 U	13 U
Carbon tetrachloride	UG/KG	11.6 U	12 U	11.2 U	12 U	13 U
Bromodichloromethane	UG/KG	11.6 U	12 U	11.2 U	12 U	13 U
1,2-Dichloropropane	UG/KG	11.6 U	12 U	11.2 U	12 U	13 U
cis-1,3-Dichloropropene	UG/KG	11.6 U	12 U	11.2 U	12 U	13 U
Trichloroethene	UG/KG	11.6 U	12 U	11.2 U	12 U	13 U
Dibromochloromethane	UG/KG	11.6 U	12 U	11.2 U	12 U	13 U
1,1,2-Trichloroethane	UG/KG	11.6 U	12 U	11.2 U	12 U	13 U
Benzene	UG/KG	11.6 U	12 U	11.2 U	12 U	13 U
trans-1,3-Dichloropropene	UG/KG	11.6 U	12 U	11.2 U	12 U	13 U
Bromoform	UG/KG	11.6 U	12 U	11.2 U	12 U	13 U
4-Methyl-2-pentanone	UG/KG	11.6 U	12 U	11.2 U	12 UJ	13 U
2-Hexanone	UG/KG	11.6 U	12 U	11.2 U	12 UJ	13 U
Tetrachloroethene	UG/KG	11.6 U	12 U	11.2 U	12 UJ	13 U
1,1,2,2-Tetrachloroethane	UG/KG	11.6 U	12 U	11.2 U	12 UJ	13 U
Toluene	UG/KG	11.6 U	12 U	11.2 U	12 UJ	13 U
Chlorobenzene	UG/KG	11.6 U	12 U	11.2 U	12 UJ	13 U
Ethylbenzene	UG/KG	11.6 U	12 U	11.2 U	12 UJ	13 U
Styrene	UG/KG	11.6 U	12 U	11.2 U	12 UJ	13 U
Xylenes (total)	UG/KG	11.6 U	12 U	11.2 U	12 UJ	13 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 DOWNSLOPE AND ONSITE SURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-OS-SB07-00	41-OS-SB08-00	41-OS-SB09-00	41-OS-SB10-00	41-OS-SB11-00	41-OS-SB12-00	
Laboratory Sample ID:	9402042-05A	9402086-09	9402042-03A	9402064-04	9402086-07	9402042-08A	
Date Sampled:							
Percent Solids	86.2	86.3	89	84.3	84.8	76.8	
PESTICIDE/PCBS							
alpha-BHC	UG/KG	1.98 UJ	9.85 UJ	1.91 UJ	2.02 UJ	2 UJ	2.21 UJ
beta-BHC	UG/KG	1.98 UJ	9.85 UJ	1.91 R	2.02 UJ	2 UJ	2.21 R
delta-BHC	UG/KG	1.98 R	9.85 UJ	1.91 UJ	2.02 UJ	2 UJ	2.21 UJ
Lindane (gamma-BHC)	UG/KG	1.98 UJ	9.85 UJ	1.91 U	2.02 U	2 U	2.21 UJ
Heptachlor	UG/KG	1.98 UJ	9.85 UJ	1.91 U	2.02 U	0.92 J	2.21 UJ
Aldrin	UG/KG	1.98 UJ	9.85 UJ	1.91 U	2.02 U	2 U	2.21 UJ
Heptachlor epoxide	UG/KG	1.98 UJ	9.85 UJ	1.91 U	2.02 U	2 U	2.21 UJ
Endosulfan I	UG/KG	1.98 UJ	9.85 UJ	1.91 U	2.02 U	2 U	2.21 UJ
Dieldrin	UG/KG	3.84 UJ	13.03 NJ	3.71 U	6.12 NJ	5.13 NJ	4.28 UJ
4,4'-DDE	UG/KG	0.4 J	87.6 J	4.02 J	38.9 J	25.1 J	60.8 J
Endrin	UG/KG	3.84 UJ	19.12 UJ	3.71 UJ	3.93 U	1.47 NJ	4.28 UJ
Endosulfan II	UG/KG	3.84 UJ	19.1 UJ	0.45 NJ	3.93 U	4.15 NJ	4.28 UJ
4,4'-DDD	UG/KG	3.84 UJ	19.1 UJ	4.18 J	43.2 J	48.2 J	92 J
Endosulfan sulfate	UG/KG	3.84 UJ	19.12 U	3.71 UJ	3.93 U	3.88 U	4.28 UJ
4,4'-DDT	UG/KG	0.57 J	10.4 NJ	1.27 J	41.3 J	14.8 J	8.06 J
Methoxychlor	UG/KG	19.8 UJ	98.5 U	19.1 UJ	20.2 UJ	20 UJ	1.41 J
Endrin ketone	UG/KG	3.84 UJ	19.12 U	3.71 UJ	3.93 U	3.88 U	4.28 UJ
Endrin aldehyde	UG/KG	3.84 UJ	19.12 U	3.71 U	3.93 U	3.88 U	1.37 J
alpha-Chlordane	UG/KG	1.98 UJ	9.85 UJ	0.25 J	1.66 J	1.7 J	2.17 J
gamma-Chlordane	UG/KG	1.98 UJ	9.85 UJ	1.91 U	1.33 J	1.17 J	2.01 J
Toxaphene	UG/KG	198 UJ	984.9 U	191 U	202 U	200 U	221 UJ
Aroclor 1016	UG/KG	38.4 UJ	191.19 U	37.1 U	39.3 U	38.8 U	42.8 UJ
Aroclor 1221	UG/KG	77.9 UJ	388.2 U	75.3 U	79.8 U	78.8 U	87 UJ
Aroclor 1232	UG/KG	38.4 UJ	191.2 U	37.1 U	39.3 U	38.8 U	42.8 UJ
Aroclor 1242	UG/KG	38.4 UJ	191.2 U	37.1 U	39.3 U	38.8 U	42.8 UJ
Aroclor 1248	UG/KG	38.4 UJ	191.2 U	37.1 U	39.3 U	38.8 U	42.8 UJ
Aroclor 1254	UG/KG	38.4 UJ	191.2 U	37.1 U	39.3 U	38.8 U	42.8 UJ
Aroclor 1260	UG/KG	38.4 UJ	191.2 U	37.1 U	39.3 U	38.8 U	42.8 UJ

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 DOWNSLOPE AND ONSITE SURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-OS-SB07-00	41-OS-SB08-00	41-OS-SB09-00	41-OS-SB10-00	41-OS-SB11-00	41-OS-SB12-00
Laboratory Sample ID:	9402042-05A	9402086-09	9402042-03A	9402064-04	9402086-07	9402042-08A
Date Sampled:						
Percent Solids	86.2	86.3	89	84.3	84.8	76.8
CHEMICAL SURETY						
Acetophenone	UG/KG	389 U	383 U	370 U	393 U	389 U
Chloroacetophenone	UG/KG	389 U	383 U	370 U	393 U	389 U
Hydroxyacetophenone	UG/KG	1950 U	1910 U	1850 U	1960 U	1950 U
Bis(2'-chloroethyl)disulfide	UG/KG	1950 U	1910 U	1850 U	1960 U	1950 U
Bis(2'-chloroethyl)trisulfide	UG/KG	1950 U	1910 U	1850 U	1960 U	1950 U
1,4-Dithiane	UG/KG	389 U	383 U	370 U	393 U	389 U
1,4-Oxathiane	UG/KG	389 U	383 U	370 U	393 U	389 U
THIODIGLYCOL						
Thiodiglycol	MG/KG	7.25 U	7.25 U	7 U	7.44 U	7.38 U
ORDNANCE						
1,3,5-Trinitrobenzene	UG/KG	40.2 U	40.2 R	40.2 U	40.2 UJ	40.2 R
1,3-Dinitrobenzene	UG/KG	37.2 U	37.2 R	37.2 U	37.2 UJ	37.2 R
2,4,6-Trinitrotoluene	UG/KG	35.6 U	35.6 R	35.6 U	35.6 UJ	35.6 R
2,4-Dinitrotoluene	UG/KG	51.6 U	51.6 R	51.6 U	51.6 UJ	51.6 R
2,6-Dinitrotoluene	UG/KG	47.6 U	47.6 R	47.6 U	47.6 UJ	47.6 R
2-Amino-4,6-dinitrotoluene	UG/KG	46.7 U	46.7 R	46.7 U	46.7 UJ	46.7 R
2-Nitrotoluene	UG/KG	81.4 U	81.4 R	81.4 U	81.4 UJ	81.4 R
3-Nitrotoluene	UG/KG	81.7 U	81.7 R	81.7 U	81.7 UJ	81.7 R
4-Amino-2,6-dinitrotoluene	UG/KG	40.8 U	40.8 R	40.8 U	40.8 UJ	40.8 R
4-Nitrotoluene	UG/KG	87.2 U	87.2 R	87.2 U	87.2 UJ	87.2 R
HMX	UG/KG	70.5 U	70.5 R	70.5 U	70.5 UJ	70.5 R
Nitrobenzene	UG/KG	35.2 U	35.2 R	35.2 U	35.2 UJ	35.2 R
RDX	UG/KG	50.9 U	50.9 R	50.9 U	50.9 UJ	50.9 R
Tetryl	UG/KG	163 U	163 R	163 U	163 UJ	163 R
MIREX						
Mirex	UG/KG	1950 U	1910 U	1850 U	1960 U	1950 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 DOWNSLOPE AND ONSITE SURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-OS-SB13-00	41-OS-SB14-00	41-OS-SB15-00	41-OS-SB16-00	41-OS-SB17-00	41-OS-SB18-00
Laboratory Sample ID:	9402052-08	9402064-01	9402070-01	9402043-05	9402052-03	9402061-01
Date Sampled:						
Percent Solids	87.1	81.9	83.8	83.6	83.9	88.2
SEMIVOLATILES						
1,2-Dichlorobenzene	UG/KG	379 U	16200 U	393 U	396 U	393 U
1,2,4-Trichlorobenzene	UG/KG	379 U	16200 U	393 U	396 U	393 U
1,3-Dichlorobenzene	UG/KG	379 U	16200 U	393 U	396 U	393 U
1,4-Dichlorobenzene	UG/KG	379 U	16200 U	393 U	396 U	393 U
2-Chloronaphthalene	UG/KG	379 U	16200 U	393 U	396 U	393 U
2-Chlorophenol	UG/KG	379 U	16200 U	393 U	396 U	393 U
2-Methylnaphthalene	UG/KG	379 U	16200 U	393 U	396 U	393 U
2-Methylphenol	UG/KG	379 U	16200 U	393 U	396 U	393 U
2-Nitroaniline	UG/KG	920 U	39200 U	952 U	960 U	952 U
2-Nitrophenol	UG/KG	379 U	16200 U	393 U	396 U	393 U
2,2'-oxybis-(1-chloropropane)	UG/KG	379 U	16200 U	393 U	396 U	393 U
2,4-Dichlorophenol	UG/KG	379 U	16200 U	393 U	396 U	393 U
2,4-Dimethylphenol	UG/KG	379 U	16200 U	393 U	396 U	393 U
2,4-Dinitrophenol	UG/KG	920 U	39200 U	952 U	960 U	952 U
2,4-Dinitrotoluene	UG/KG	379 U	16200 U	393 U	396 U	393 U
2,4,5-Trichlorophenol	UG/KG	920 U	39200 U	952 U	960 U	952 U
2,4,6-Trichlorophenol	UG/KG	379 U	16200 U	393 U	396 U	393 U
2,6-Dinitrotoluene	UG/KG	379 U	16200 U	393 U	396 U	393 U
3-Nitroaniline	UG/KG	920 U	39200 U	952 U	960 U	952 U
3,3'-Dichlorobenzidine	UG/KG	379 U	16200 U	393 U	396 U	393 U
4-Bromophenyl-phenylether	UG/KG	379 U	16200 U	393 U	396 U	393 U
4-Chloro-3-methylphenol	UG/KG	379 U	16200 U	393 U	396 U	393 U
4-Chloroaniline	UG/KG	379 U	16200 U	393 U	396 U	393 U
4-Chlorophenyl phenyl ether	UG/KG	379 U	16200 U	393 U	396 U	393 U
4-Methylphenol	UG/KG	379 U	16200 U	393 U	396 U	393 U
4-Nitroaniline	UG/KG	920 U	39200 U	952 U	960 U	952 U
4-Nitrophenol	UG/KG	920 U	39200 U	952 U	960 U	952 U
4,6-Dinitro-2-methylphenol	UG/KG	920 U	39200 U	952 U	960 U	952 U
Acenaphthene	UG/KG	379 U	16200 U	393 U	396 U	393 U
Acenaphthylene	UG/KG	379 U	16200 U	393 U	396 U	393 U
Anthracene	UG/KG	379 U	16200 U	393 U	396 U	393 U
Benzo[a]anthracene	UG/KG	379 U	16200 U	393 U	396 U	393 U
Benzo[a]pyrene	UG/KG	379 U	16200 U	393 U	396 U	393 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 DOWNSLOPE AND ONSITE SURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-0S-SB13-00	41-0S-SB14-00	41-0S-SB15-00	41-0S-SB16-00	41-0S-SB17-00	41-0S-SB18-00
Laboratory Sample ID:	9402052-08	9402064-01	9402070-01	9402043-05	9402052-03	9402061-01
Date Sampled:						
Percent Solids	87.1	81.9	83.8	83.6	83.9	88.2
SEMIVOLATILES Cont.						
Benzo[b]fluoranthene	UG/KG 379 U	16200 U	393 U	396 U	393 U	120 J
Benzo[g,h,i]perylene	UG/KG 379 U	16200 U	393 U	396 U	393 U	71 J
Benzo[k]fluoranthene	UG/KG 379 U	16200 U	393 U	396 U	393 U	120 J
bis(2-Chloroethoxy) methane	UG/KG 379 U	16200 U	393 U	396 U	393 U	375 U
bis(2-Chloroethyl) ether	UG/KG 379 U	16200 U	393 U	396 U	393 U	375 U
bis(2-Ethylhexyl)phthalate	UG/KG 379 U	16200 U	240 J	51 J	393 U	375 U
Butyl benzyl phthalate	UG/KG 379 U	16200 U	393 U	396 U	393 U	375 U
Carbazole	UG/KG 379 U	16200 U	393 U	396 U	393 U	375 U
Chrysene	UG/KG 379 U	16200 U	393 U	396 U	393 U	160 J
Dibenzofuran	UG/KG 379 U	16200 U	393 U	396 U	393 U	375 U
Dibenz[a,h]anthracene	UG/KG 379 U	16200 U	393 U	396 U	393 U	375 U
Diethylphthalate	UG/KG 379 U	16200 U	393 U	396 U	393 U	375 U
Dimethyl phthalate	UG/KG 379 U	16200 U	393 U	396 U	393 U	375 U
di-n-Butylphthalate	UG/KG 380 U	16200 U	393 U	400 U	400 U	375 U
di-n-Octylphthalate	UG/KG 379 U	16200 U	393 U	396 U	110 J	200 J
Fluoranthene	UG/KG 379 U	2500 J	40 J	396 U	393 U	240 J
Fluorene	UG/KG 379 U	16200 U	393 U	396 U	393 U	375 U
Hexachlorobenzene	UG/KG 379 U	16200 U	393 U	396 U	393 U	375 U
Hexachlorobutadiene	UG/KG 379 U	16200 U	393 U	396 U	393 U	375 U
Hexachlorocyclopentadiene	UG/KG 379 U	16200 U	393 U	396 U	393 U	375 U
Hexachloroethane	UG/KG 379 U	16200 U	393 U	396 U	393 U	375 U
Indeno[1,2,3-cd]pyrene	UG/KG 379 U	16200 U	393 U	396 U	393 U	71 J
Isophorone	UG/KG 379 U	16200 U	393 U	396 U	393 U	375 U
Naphthalene	UG/KG 379 U	16200 U	393 U	396 U	393 U	375 U
Nitrobenzene	UG/KG 379 U	16200 U	393 U	396 U	393 U	375 U
N-Nitroso-di-n-propylamine	UG/KG 379 U	16200 U	393 U	396 U	393 U	375 U
N-nitrosodiphenylamine	UG/KG 379 U	16200 U	393 U	396 U	393 U	375 U
Pentachlorophenol	UG/KG 920 U	39200 U	952 U	960 U	952 U	909 U
Phenanthrene	UG/KG 379 U	1800 J	393 U	396 U	393 U	140 J
Phenol	UG/KG 379 U	16200 U	393 U	396 U	393 U	375 U
Pyrene	UG/KG 379 U	2300 J	393 U	396 U	393 U	240 J

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 DOWNSLOPE AND ONSITE SURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-0S-SB13-00	41-0S-SB14-00	41-0S-SB15-00	41-0S-SB16-00	41-0S-SB17-00	41-0S-SB18-00	
Laboratory Sample ID:	9402052-08	9402064-01	9402070-01	9402043-05	9402052-03	9402061-01	
Date Sampled:							
Percent Solids	87.1	81.9	83.8	83.6	83.9	88.2	
<u>VOLATILES</u>							
Chloromethane	UG/KG	11.5 U	12 UJ	12 U	11.9 U	11.9 U	11.4 U
Bromomethane	UG/KG	11.5 U	12 UJ	12 U	11.9 U	11.9 U	11.4 U
Vinyl chloride	UG/KG	11.5 U	12 UJ	12 U	11.9 U	11.9 U	11.4 U
Chloroethane	UG/KG	11.5 U	12 UJ	12 U	11.9 U	11.9 U	11.4 U
Methylene chloride	UG/KG	3 J	22 UJ	12 U	12 U	2 J	11 U
Acetone	UG/KG	11.5 J	33 J	14 J	11.9 U	11.9 U	11.4 UJ
Carbon Disulfide	UG/KG	11.5 U	12 UJ	12 U	11.9 U	11.9 U	11.4 U
1,1-Dichloroethene	UG/KG	11.5 U	12 UJ	12 U	11.9 U	11.9 U	11.4 U
1,1-Dichloroethane	UG/KG	11.5 U	12 UJ	12 U	11.9 U	11.9 U	11.4 U
1,2-Dichloroethene(total)	UG/KG	11.5 U	12 UJ	12 U	11.9 U	11.9 U	11.4 U
Chloroform	UG/KG	11.5 U	12 UJ	12 U	11.9 U	11.9 U	11.4 U
1,2-Dichloroethane	UG/KG	11.5 U	12 UJ	12 U	11.9 U	11.9 U	11.4 U
2-Butanone	UG/KG	11.5 U	12 UJ	12 U	11.9 U	11.9 U	11.4 U
1,1,1-Trichloroethane	UG/KG	11.5 U	12 UJ	12 U	11.9 U	11.9 U	11.4 U
Carbon tetrachloride	UG/KG	11.5 U	12 UJ	12 U	11.9 U	11.9 U	11.4 U
Bromodichloromethane	UG/KG	11.5 U	12 UJ	12 U	11.9 U	11.9 U	11.4 U
1,2-Dichloropropane	UG/KG	11.5 U	12 UJ	12 U	11.9 U	11.9 U	11.4 U
cis-1,3-Dichloropropene	UG/KG	11.5 U	12 UJ	12 U	11.9 U	11.9 U	11.4 U
Trichloroethene	UG/KG	11.5 U	12 UJ	12 U	11.9 U	11.9 U	11.4 U
Dibromochloromethane	UG/KG	11.5 U	12 UJ	12 U	11.9 U	11.9 U	11.4 U
1,1,2-Trichloroethane	UG/KG	11.5 U	12 UJ	12 U	11.9 U	11.9 U	11.4 U
Benzene	UG/KG	11.5 U	12 UJ	12 U	11.9 U	11.9 U	11.4 U
trans-1,3-Dichloropropene	UG/KG	11.5 U	12 UJ	12 U	11.9 U	11.9 U	11.4 U
Bromoform	UG/KG	11.5 U	12 UJ	12 U	11.9 U	11.9 U	11.4 U
4-Methyl-2-pentanone	UG/KG	11.5 U	12 UJ	12 U	11.9 U	11.9 U	11.4 U
2-Hexanone	UG/KG	11.5 U	12 UJ	12 U	11.9 U	11.9 U	11.4 U
Tetrachloroethene	UG/KG	11.5 U	12 UJ	12 U	11.9 U	11.9 U	11.4 U
1,1,2,2-Tetrachloroethane	UG/KG	11.5 U	12 UJ	12 U	11.9 U	11.9 U	11.4 U
Toluene	UG/KG	11.5 U	12 UJ	12 U	11.9 U	11.9 U	11.4 U
Chlorobenzene	UG/KG	11.5 U	12 UJ	12 U	11.9 U	11.9 U	11.4 U
Ethylbenzene	UG/KG	11.5 U	12 UJ	12 U	11.9 U	11.9 U	11.4 U
Styrene	UG/KG	11.5 U	12 UJ	12 U	11.9 U	11.9 U	11.4 U
Xylenes (total)	UG/KG	11.5 U	12 UJ	12 U	11.9 U	11.9 U	11.4 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 DOWNSLOPE AND ONSITE SURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-OS-SB13-00	41-OS-SB14-00	41-OS-SB15-00	41-OS-SB16-00	41-OS-SB17-00	41-OS-SB18-00
Laboratory Sample ID:	9402052-08	9402064-01	9402070-01	9402043-05	9402052-03	9402061-01
Date Sampled:						
Percent Solids	87.1	81.9	83.8	83.6	83.9	88.2
PESTICIDE/PCBS						
alpha-BHC	UG/KG	1.95 UJ	2.07 R	2.02 UJ	2.02 UJ	1.93 UJ
beta-BHC	UG/KG	1.95 UJ	2.07 R	2.02 UJ	2.02 R	1.93 UJ
delta-BHC	UG/KG	1.95 UJ	2.07 R	2.02 UJ	2.02 UJ	1.93 UJ
Lindane (gamma-BHC)	UG/KG	1.95 UJ	2.07 R	2.02 UJ	2.02 UJ	1.93 UJ
Heptachlor	UG/KG	1.95 UJ	2.07 R	2.02 UJ	2.02 UJ	1.93 UJ
Aldrin	UG/KG	1.95 UJ	2.07 R	2.02 UJ	2.02 UJ	1.93 UJ
Heptachlor epoxide	UG/KG	1.95 UJ	2.07 R	2.02 UJ	2.02 UJ	2.39 J
Endosulfan I	UG/KG	1.95 UJ	2.07 R	2.02 UJ	2.02 UJ	1.93 UJ
Dieldrin	UG/KG	0.47 J	4.02 R	2.05 J	1.12 J	2.81 J
4,4'-DDE	UG/KG	0.46 NJ	32.4 J	1.14 J	4.07 J	1.48 J
Endrin	UG/KG	3.79 UJ	4.02 R	3.93 UJ	3.93 R	3.75 UJ
Endosulfan II	UG/KG	4.62 NJ	4.02 R	1.88 J	1 NJ	3.79 J
4,4'-DDD	UG/KG	0.77 NJ	79.1 J	2.35 NJ	3.07 NJ	2.76 J
Endosulfan sulfate	UG/KG	3.79 UJ	4.02 R	3.93 UJ	3.93 R	3.75 UJ
4,4'-DDT	UG/KG	1.86 J	277 J	1.73 J	1.01 NJ	3.75 UJ
Methoxychlor	UG/KG	19.5 UJ	20.7 R	20.2 UJ	20.2 UJ	1.51 J
Endrin ketone	UG/KG	3.79 UJ	4.02 R	3.93 UJ	3.93 R	3.75 UJ
Endrin aldehyde	UG/KG	3.79 UJ	4.02 R	3.93 UJ	3.93 R	0.61 J
alpha-Chlordane	UG/KG	1.95 UJ	0.44 J	0.85 J	2.02 UJ	0.87 J
gamma-Chlordane	UG/KG	1.95 UJ	2.07 R	0.74 J	2.02 UJ	0.57 J
Toxaphene	UG/KG	195 UJ	207 R	202 UJ	202 UJ	193 UJ
Aroclor 1016	UG/KG	37.9 UJ	40.2 R	39.3 UJ	39.3 UJ	37.5 UJ
Aroclor 1221	UG/KG	77 UJ	81.7 R	79.8 UJ	79.8 UJ	76.1 UJ
Aroclor 1232	UG/KG	37.9 UJ	40.2 R	39.3 UJ	39.3 UJ	37.5 UJ
Aroclor 1242	UG/KG	37.9 UJ	40.2 R	39.3 UJ	39.3 UJ	37.5 UJ
Aroclor 1248	UG/KG	37.9 UJ	40.2 R	39.3 UJ	39.3 UJ	37.5 UJ
Aroclor 1254	UG/KG	37.9 UJ	40.2 R	39.3 UJ	39.3 UJ	37.5 UJ
Aroclor 1260	UG/KG	37.9 UJ	40.2 R	39.3 UJ	39.3 UJ	37.5 UJ

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 DOWNSLOPE AND ONSITE SURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-0S-SB13-00	41-0S-SB14-00	41-0S-SB15-00	41-0S-SB16-00	41-0S-SB17-00	41-0S-SB18-00	
Laboratory Sample ID:	9402052-08	9402064-01	9402070-01	9402043-05	9402052-03	9402061-01	
Date Sampled:							
Percent Solids	87.1	81.9	83.8	83.6	83.9	88.2	
CHEMICAL SURETY							
Acetophenone	UG/KG	379 U	16200 U	393 U	396 U	393 U	375 U
Chloroacetophenone	UG/KG	379 U	16200 U	393 U	396 U	393 U	375 U
Hydroxyacetophenone	UG/KG	1900 U	80800 U	1960 U	1980 U	1960 U	1870 U
Bis(2'-chloroethyl)disulfide	UG/KG	1900 U	80800 U	1960 U	1980 U	1960 U	1870 U
Bis(2'-chloroethyl)trisulfide	UG/KG	1900 U	80800 U	1960 U	1980 U	1960 U	1870 U
1,4-Dithiane	UG/KG	379 U	16200 U	393 U	396 U	393 U	375 U
1,4-Oxathiane	UG/KG	379 U	16200 U	393 U	396 U	393 U	375 U
THIODIGLYCOL							
Thiodiglycol	MG/KG	7.19 U	7.62 U	7.44 U	7.5 U	7.44 U	7.06 U
ORDNANCE							
1,3,5-Trinitrobenzene	UG/KG	40.2 U	40.2 UJ	40.2 U	40.2 U	40.2 U	40.2 U
1,3-Dinitrobenzene	UG/KG	37.2 U	37.2 UJ	37.2 U	37.2 U	37.2 U	37.2 U
2,4,6-Trinitrotoluene	UG/KG	35.6 U	35.6 UJ	35.6 U	35.6 U	35.6 U	35.6 U
2,4-Dinitrotoluene	UG/KG	51.6 U	51.6 UJ	51.6 U	51.6 U	51.6 U	51.6 U
2,6-Dinitrotoluene	UG/KG	47.6 U	47.6 UJ	47.6 U	47.6 U	47.6 U	47.6 U
2-Amino-4,6-dinitrotoluene	UG/KG	46.7 U	46.7 UJ	46.7 U	46.7 U	46.7 U	46.7 U
2-Nitrotoluene	UG/KG	81.4 U	81.4 UJ	81.4 U	81.4 U	81.4 U	81.4 U
3-Nitrotoluene	UG/KG	81.7 U	81.7 UJ	81.7 U	81.7 U	81.7 U	81.7 U
4-Amino-2,6-dinitrotoluene	UG/KG	40.8 U	40.8 UJ	40.8 U	40.8 U	40.8 U	40.8 U
4-Nitrotoluene	UG/KG	87.2 U	87.2 UJ	87.2 U	87.2 U	87.2 U	87.2 U
HMX	UG/KG	70.5 U	70.5 UJ	70.5 U	70.5 U	70.5 U	70.5 U
Nitrobenzene	UG/KG	35.2 U	35.2 UJ	35.2 U	35.2 U	35.2 U	35.2 U
RDX	UG/KG	50.9 U	50.9 UJ	50.9 U	50.9 UJ	50.9 U	50.9 U
Tetryl	UG/KG	163 U	163 UJ	163 UJ	163 U	163 U	163 U
MIREX							
Mirex	UG/KG	1900 UJ	80800 U	1960 U	1980 U	1960 UJ	1870 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 DOWNSLOPE AND ONSITE SURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-OS-SB19-00	41-OS-SB20-00	41-OS-SB21-00	41-OS-SB22-00	41-OS-SB23-00	41-OS-SB24-00
Laboratory Sample ID:	9402043-03	9402052-04	9402052-05	9402061-04	9402043-01	9402061-07
Date Sampled:						
Percent Solids	84.2	82.7	89	84.5	85.8	83.8
SEMIVOLATILES						
1,2-Dichlorobenzene	UG/KG	396 U	398 U	371 U	393 U	393 U
1,2,4-Trichlorobenzene	UG/KG	396 U	398 U	371 U	393 U	393 U
1,3-Dichlorobenzene	UG/KG	396 U	398 U	371 U	393 U	393 U
1,4-Dichlorobenzene	UG/KG	396 U	398 U	371 U	393 U	393 U
2-Chloronaphthalene	UG/KG	396 U	398 U	371 U	393 U	393 U
2-Chlorophenol	UG/KG	396 U	398 U	371 U	393 U	393 U
2-Methylnaphthalene	UG/KG	396 U	398 U	371 U	393 U	393 U
2-Methylphenol	UG/KG	396 U	398 U	371 U	393 U	393 U
2-Nitroaniline	UG/KG	960 U	964 U	899 U	952 U	928 U
2-Nitrophenol	UG/KG	396 U	398 U	371 U	393 U	393 U
2,2'-oxybis-(1-chloropropane)	UG/KG	396 U	398 U	371 U	393 U	393 U
2,4-Dichlorophenol	UG/KG	396 U	398 U	371 U	393 U	393 U
2,4-Dimethylphenol	UG/KG	396 U	398 U	371 U	393 U	393 U
2,4-Dinitrophenol	UG/KG	960 U	964 U	899 U	952 U	928 U
2,4-Dinitrotoluene	UG/KG	396 U	398 U	371 U	393 U	393 U
2,4,5-Trichlorophenol	UG/KG	960 U	964 U	899 U	952 U	928 U
2,4,6-Trichlorophenol	UG/KG	396 U	398 U	371 U	393 U	393 U
2,6-Dinitrotoluene	UG/KG	396 U	398 U	371 U	393 U	393 U
3-Nitroaniline	UG/KG	960 U	964 U	899 U	952 U	928 U
3,3'-Dichlorobenzidine	UG/KG	396 U	398 U	371 U	393 U	393 U
4-Bromophenyl-phenylether	UG/KG	396 U	398 U	371 U	393 U	393 U
4-Chloro-3-methylphenol	UG/KG	396 U	398 U	371 U	393 U	393 U
4-Chloroaniline	UG/KG	396 U	398 U	371 U	393 U	393 U
4-Chlorophenyl phenyl ether	UG/KG	396 U	398 U	371 U	393 U	393 U
4-Methylphenol	UG/KG	396 U	398 U	371 U	393 U	393 U
4-Nitroaniline	UG/KG	960 R	964 U	899 U	952 U	928 U
4-Nitrophenol	UG/KG	960 R	964 U	899 U	952 U	928 U
4,6-Dinitro-2-methylphenol	UG/KG	960 U	964 U	899 U	952 U	928 U
Acenaphthene	UG/KG	396 U	398 U	371 U	393 U	393 U
Acenaphthylene	UG/KG	396 U	398 U	371 U	393 U	393 U
Anthracene	UG/KG	396 U	41 J	371 U	393 U	393 U
Benzo[a]anthracene	UG/KG	396 U	140 J	371 U	393 U	393 U
Benzo[a]pyrene	UG/KG	396 U	120 J	371 U	393 U	393 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 DOWNSLOPE AND ONSITE SURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-OS-SB19-00	41-OS-SB20-00	41-OS-SB21-00	41-OS-SB22-00	41-OS-SB23-00	41-OS-SB24-00
Laboratory Sample ID:	9402043-03	9402052-04	9402052-05	9402061-04	9402043-01	9402061-07
Date Sampled:						
Percent Solids	84.2	82.7	89	84.5	85.8	83.8
SEMIVOLATILES Cont.						
Benzo[b]fluoranthene	UG/KG 396 U	140 J	371 U	393 U	383 U	393 U
Benzo[g,h,i]perylene	UG/KG 396 U	46 J	371 U	393 U	383 U	393 U
Benzo[k]fluoranthene	UG/KG 396 U	86 J	371 U	393 U	383 U	393 U
bis(2-Chloroethoxy) methane	UG/KG 396 U	398 U	371 U	393 U	383 U	393 U
bis(2-Chloroethyl) ether	UG/KG 396 U	398 U	371 U	393 U	383 U	393 U
bis(2-Ethylhexyl)phthalate	UG/KG 160 J	398 U	371 U	393 U	70 J	393 U
Butyl benzyl phthalate	UG/KG 396 U	398 U	371 U	393 U	383 U	393 U
Carbazole	UG/KG 396 U	398 U	371 U	393 U	383 U	393 U
Chrysene	UG/KG 396 U	150 J	371 U	393 U	383 U	393 U
Dibenzofuran	UG/KG 396 U	398 U	371 U	393 U	383 U	393 U
Dibenz[a,h]anthracene	UG/KG 396 U	398 U	371 U	393 U	383 U	393 U
Diethylphthalate	UG/KG 396 U	398 U	371 U	393 U	383 U	393 U
Dimethyl phthalate	UG/KG 396 U	398 U	371 U	393 U	383 U	393 U
di-n-Butylphthalate	UG/KG 62 J	400 U	370 U	393 U	390 UR	393 U
di-n-Octylphthalate	UG/KG 396 U	86 J	371 U	52 J	383 U	40 J
Fluoranthene	UG/KG 396 U	240 J	371 U	393 U	383 U	393 U
Fluorene	UG/KG 396 U	398 U	371 U	393 U	383 U	393 U
Hexachlorobenzene	UG/KG 396 U	398 U	371 U	393 U	383 U	393 U
Hexachlorobutadiene	UG/KG 396 U	398 U	371 U	393 U	383 U	393 U
Hexachlorocyclopentadiene	UG/KG 396 U	398 U	371 U	393 U	383 U	393 U
Hexachloroethane	UG/KG 396 U	398 U	371 U	393 U	383 U	393 U
Indeno[1,2,3-cd]pyrene	UG/KG 396 U	76 J	371 U	393 U	383 U	393 U
Isophorone	UG/KG 396 U	398 U	371 U	393 U	383 U	393 U
Naphthalene	UG/KG 396 U	398 U	371 U	393 U	383 U	393 U
Nitrobenzene	UG/KG 396 U	398 U	371 U	393 U	383 U	393 U
N-Nitroso-di-n-propylamine	UG/KG 396 U	398 U	371 U	393 U	383 U	393 U
N-nitrosodiphenylamine	UG/KG 396 U	398 U	371 U	393 U	383 U	393 U
Pentachlorophenol	UG/KG 960 U	964 U	899 U	952 U	928 U	952 U
Phenanthrene	UG/KG 396 U	200 J	371 U	393 U	383 U	393 U
Phenol	UG/KG 396 U	398 U	371 U	393 U	383 U	393 U
Pyrene	UG/KG 396 U	230 J	371 U	393 U	383 U	393 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 DOWNSLOPE AND ONSITE SURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-OS-SB19-00	41-OS-SB20-00	41-OS-SB21-00	41-OS-SB22-00	41-OS-SB23-00	41-OS-SB24-00
Laboratory Sample ID:	9402043-03	9402052-04	9402052-05	9402061-04	9402043-01	9402061-07
Date Sampled:						
Percent Solids	84.2	82.7	89	84.5	85.8	83.8
VOLATILES						
Chloromethane	UG/KG	11.9 U	12 U	11.2 U	11.9 U	11.6 U
Bromomethane	UG/KG	11.9 U	12 U	11.2 U	11.9 U	11.6 U
Vinyl chloride	UG/KG	11.9 U	12 U	11.2 U	11.9 U	11.6 U
Chloroethane	UG/KG	11.9 U	12 U	11.2 U	11.9 U	11.6 U
Methylene chloride	UG/KG	27 U	4 J	3 J	19 U	20 U
Acetone	UG/KG	2800	12 U	11.2 U	11.9 UJ	11.6 U
Carbon Disulfide	UG/KG	11.9 U	12 U	11.2 U	11.9 U	11.6 U
1,1-Dichloroethene	UG/KG	11.9 U	12 U	11.2 U	11.9 U	11.6 U
1,1-Dichloroethane	UG/KG	11.9 U	12 U	11.2 U	11.9 U	11.6 U
1,2-Dichloroethene(total)	UG/KG	11.9 U	12 U	11.2 U	11.9 U	11.6 U
Chloroform	UG/KG	11.9 U	12 U	11.2 U	11.9 U	11.6 U
1,2-Dichloroethane	UG/KG	11.9 U	12 U	11.2 U	11.9 U	11.6 U
2-Butanone	UG/KG	11.9 U	12 U	11.2 U	11.9 U	11.6 R
1,1,1-Trichloroethane	UG/KG	11.9 U	12 U	11.2 U	11.9 U	11.6 U
Carbon tetrachloride	UG/KG	11.9 U	12 U	11.2 U	11.9 U	11.6 U
Bromodichloromethane	UG/KG	11.9 U	12 U	11.2 U	11.9 U	11.6 U
1,2-Dichloropropane	UG/KG	11.9 U	12 U	11.2 U	11.9 U	11.6 U
cis-1,3-Dichloropropene	UG/KG	11.9 U	12 U	11.2 U	11.9 U	11.6 U
Trichloroethene	UG/KG	11.9 U	12 U	11.2 U	11.9 U	11.6 U
Dibromochloromethane	UG/KG	11.9 U	12 U	11.2 U	11.9 U	11.6 U
1,1,2-Trichloroethane	UG/KG	11.9 U	12 U	11.2 U	11.9 U	11.6 U
Benzene	UG/KG	11.9 U	12 U	11.2 U	11.9 U	11.6 U
trans-1,3-Dichloropropene	UG/KG	11.9 U	12 U	11.2 U	11.9 U	11.6 U
Bromoform	UG/KG	11.9 U	12 U	11.2 U	11.9 U	11.6 U
4-Methyl-2-pentanone	UG/KG	11.9 U	12 U	11.2 U	11.9 U	11.6 UJ
2-Hexanone	UG/KG	11.9 U	12 U	11.2 U	11.9 U	11.6 UJ
Tetrachloroethene	UG/KG	11.9 U	12 U	11.2 U	11.9 U	11.6 UJ
1,1,2,2-Tetrachloroethane	UG/KG	11.9 U	12 U	11.2 U	11.9 U	11.6 UJ
Toluene	UG/KG	11.9 U	12 U	11.2 U	2 J	11.6 UJ
Chlorobenzene	UG/KG	11.9 U	12 U	11.2 U	11.9 U	11.6 UJ
Ethylbenzene	UG/KG	11.9 U	12 U	11.2 U	11.9 U	11.6 UJ
Styrene	UG/KG	11.9 U	12 U	11.2 U	11.9 U	11.6 UJ
Xylenes (total)	UG/KG	11.9 U	12 U	11.2 U	11.9 U	11.6 UJ

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 DOWNSLOPE AND ONSITE SURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-OS-SB19-00	41-OS-SB20-00	41-OS-SB21-00	41-OS-SB22-00	41-OS-SB23-00	41-OS-SB24-00
Laboratory Sample ID:	9402043-03	9402052-04	9402052-05	9402061-04	9402043-01	9402061-07
Date Sampled:						
Percent Solids	84.2	82.7	89	84.5	85.8	83.8
PESTICIDE/PCBS						
alpha-BHC	UG/KG	2.02 UJ	2.05 UJ	1.91 UJ	2.02 UJ	2.02 UJ
beta-BHC	UG/KG	2.02 R	2.05 UJ	1.91 UJ	2.02 UJ	1.98 R
delta-BHC	UG/KG	2.02 UJ	2.05 UJ	1.91 UJ	2.02 UJ	1.98 UJ
Lindane (gamma-BHC)	UG/KG	2.02 UJ	2.05 U	1.91 U	2.02 UJ	1.98 UJ
Heptachlor	UG/KG	2.02 UJ	2.05 U	1.91 U	2.02 UJ	1.98 UJ
Aldrin	UG/KG	2.02 UJ	2.05 U	1.91 U	2.02 UJ	1.98 UJ
Heptachlor epoxide	UG/KG	2.02 UJ	2.05 U	1.91 U	0.56 NJ	1.98 UJ
Endosulfan I	UG/KG	2.02 UJ	2.05 U	1.91 U	2.02 UJ	1.98 UJ
Dieldrin	UG/KG	5.65 J	0.83 NJ	3.71 U	2.16 NJ	3.07 NJ
4,4'-DDE	UG/KG	6.36 J	2.29 J	3.71 U	1.58 NJ	69.3 J
Endrin	UG/KG	3.93 R	3.98 U	3.71 U	3.93 U	3.84 R
Endosulfan II	UG/KG	4.44 J	3.62 J	3.71 U	5.01 J	3.84 U
4,4'-DDD	UG/KG	6.92 J	3.98 U	3.71 U	8.46 J	45 J
Endosulfan sulfate	UG/KG	3.93 R	3.98 U	3.71 U	3.93 UJ	3.84 R
4,4'-DDT	UG/KG	2.7 J	25 J	3.71 UJ	7.41 J	66.3 J
Methoxychlor	UG/KG	20.2 UJ	20.5 UJ	19.1 UJ	20.2 UJ	19.8 UJ
Endrin ketone	UG/KG	0.44 NJ	3.98 U	3.71 U	3.93 UJ	3.84 R
Endrin aldehyde	UG/KG	3.93 R	3.98 U	3.71 U	3.93 UJ	3.84 R
alpha-Chlordane	UG/KG	2.25 J	0.27 NJ	1.91 U	3.88 J	1.47 J
gamma-Chlordane	UG/KG	0.8 J	0.3 J	1.91 U	3.68 J	1.25 J
Toxaphene	UG/KG	202 UJ	205 U	191 U	202 UJ	198 UJ
Aroclor 1016	UG/KG	39.3 UJ	39.8 U	37.1 U	39.3 UJ	38.4 UJ
Aroclor 1221	UG/KG	79.8 UJ	80.7 U	75.3 U	79.8 UJ	77.9 UJ
Aroclor 1232	UG/KG	39.3 UJ	39.8 U	37.1 U	39.3 UJ	38.4 UJ
Aroclor 1242	UG/KG	82.9 J	39.8 U	37.1 U	39.3 UJ	38.4 UJ
Aroclor 1248	UG/KG	39.3 UJ	39.8 U	37.1 U	39.3 UJ	38.4 UJ
Aroclor 1254	UG/KG	39.3 UJ	39.8 U	37.1 U	39.3 UJ	38.4 UJ
Aroclor 1260	UG/KG	39.3 UJ	39.8 U	37.1 U	39.3 UJ	58.4 J

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 DOWNSLOPE AND ONSITE SURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-OS-SB19-00	41-OS-SB20-00	41-OS-SB21-00	41-OS-SB22-00	41-OS-SB23-00	41-OS-SB24-00
Laboratory Sample ID:	9402043-03	9402052-04	9402052-05	9402061-04	9402043-01	9402061-07
Date Sampled:						
Percent Solids	84.2	82.7	89	84.5	85.8	83.8
CHEMICAL SURETY						
Acetophenone	UG/KG	396 U	398 U	371 U	393 U	393 U
Chloroacetophenone	UG/KG	396 U	398 U	371 U	393 U	393 U
Hydroxyacetophenone	UG/KG	1980 U	1990 U	1850 U	1960 U	1960 U
Bis(2'-chloroethyl)disulfide	UG/KG	1980 U	1990 U	1850 U	1960 U	1960 U
Bis(2'-chloroethyl)trisulfide	UG/KG	1980 U	1990 U	1850 U	1960 U	1960 U
1,4-Dithiane	UG/KG	396 U	398 U	371 U	393 U	393 U
1,4-Oxathiane	UG/KG	396 U	398 U	371 U	393 U	393 U
THIODIGLYCOL						
Thiodiglycol	MG/KG	7.44 U	7.56 U	7 U	7.38 U	7.44 U
ORDNANCE						
1,3,5-Trinitrobenzene	UG/KG	40.2 U	40.2 U	40.2 U	40.2 U	40.2 U
1,3-Dinitrobenzene	UG/KG	37.2 U	37.2 U	37.2 U	37.2 U	37.2 U
2,4,6-Trinitrotoluene	UG/KG	35.6 U	35.6 U	35.6 U	35.6 U	35.6 U
2,4-Dinitrotoluene	UG/KG	51.6 U	51.6 U	51.6 U	51.6 U	51.6 U
2,6-Dinitrotoluene	UG/KG	47.6 U	47.6 U	47.6 U	47.6 U	47.6 U
2-Amino-4,6-dinitrotoluene	UG/KG	46.7 U	46.7 U	46.7 U	46.7 U	46.7 U
2-Nitrotoluene	UG/KG	81.4 U	81.4 U	81.4 U	81.4 U	81.4 U
3-Nitrotoluene	UG/KG	81.7 U	81.7 U	81.7 U	81.7 U	81.7 U
4-Amino-2,6-dinitrotoluene	UG/KG	40.8 U	40.8 U	40.8 U	40.8 U	40.8 U
4-Nitrotoluene	UG/KG	87.2 U	87.2 U	87.2 U	87.2 U	87.2 U
HMX	UG/KG	70.5 U	70.5 U	70.5 U	70.5 U	70.5 U
Nitrobenzene	UG/KG	35.2 U	35.2 U	35.2 U	35.2 U	35.2 U
RDX	UG/KG	50.9 U	50.9 U	50.9 U	50.9 U	50.9 U
Tetryl	UG/KG	163 U	163 U	163 U	163 U	163 U
MIREX						
Mirex	UG/KG	1980 U	1990 UJ	1850 UJ	1960 U	1960 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 DOWNSLOPE AND ONSITE SURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-OS-SB25-00	41-OS-SB26-00	41-OS-SB27-00	41-OS-SB28-00	41-OS-SB29-00	41-OS-SB30-00
Laboratory Sample ID:	9402088-01A	9402088-03A	9402088-05A	9402088-08A	9402071-03	9402071-05
Date Sampled:					02/05/94	02/05/94
Percent Solids	84.6	80.6	73	82.2	88.8	83.2
SEMIVOLATILES						
1,2-Dichlorobenzene	UG/KG	389 U	409 U	452 U	409 U	371.0 U
1,2,4-Trichlorobenzene	UG/KG	389 U	409 U	452 U	409 U	371.0 U
1,3-Dichlorobenzene	UG/KG	389 U	409 U	452 U	409 U	371.0 U
1,4-Dichlorobenzene	UG/KG	389 U	409 U	452 U	409 U	371.0 U
2-Chloronaphthalene	UG/KG	389 U	409 U	452 U	409 U	371.0 U
2-Chlorophenol	UG/KG	389 U	409 U	452 U	409 U	371.0 U
2-Methylnaphthalene	UG/KG	389 U	409 U	452 U	409 U	371.0 U
2-Methylphenol	UG/KG	389 U	409 U	452 U	409 U	371.0 U
2-Nitroaniline	UG/KG	944 U	992 U	1100 U	992 U	899.0 U
2-Nitrophenol	UG/KG	389 U	409 U	452 U	409 U	371.0 U
2,2'-oxybis-(1-chloropropane)	UG/KG	389 U	409 U	452 U	409 U	371.0 U
2,4-Dichlorophenol	UG/KG	389 U	409 U	452 U	409 U	371.0 U
2,4-Dimethylphenol	UG/KG	389 U	409 U	452 U	409 U	371.0 U
2,4-Dinitrophenol	UG/KG	944 U	992 U	1100 U	992 U	899.0 U
2,4-Dinitrotoluene	UG/KG	389 U	409 U	452 U	409 U	371.0 U
2,4,5-Trichlorophenol	UG/KG	944 U	992 U	1100 U	992 U	899.0 U
2,4,6-Trichlorophenol	UG/KG	389 U	409 U	452 U	409 U	371.0 U
2,6-Dinitrotoluene	UG/KG	389 U	409 U	452 U	409 U	371.0 U
3-Nitroaniline	UG/KG	944 U	992 U	1100 U	992 U	899.0 U
3,3'-Dichlorobenzidine	UG/KG	389 U	409 U	452 U	409 U	371.0 U
4-Bromophenyl-phenylether	UG/KG	389 U	409 U	452 U	409 U	371.0 U
4-Chloro-3-methylphenol	UG/KG	389 U	409 U	452 U	409 U	371.0 U
4-Chloroaniline	UG/KG	389 U	409 U	452 U	409 U	371.0 U
4-Chlorophenyl phenyl ether	UG/KG	389 U	409 U	452 U	409 U	371.0 U
4-Methylphenol	UG/KG	389 U	409 U	452 U	409 U	371.0 U
4-Nitroaniline	UG/KG	944 U	992 U	1100 U	992 U	899.0 U
4-Nitrophenol	UG/KG	944 U	992 U	1100 U	992 U	899.0 U
4,6-Dinitro-2-methylphenol	UG/KG	944 U	992 U	1100 U	992 U	899.0 U
Acenaphthene	UG/KG	389 U	409 U	452 U	409 U	371.0 U
Acenaphthylene	UG/KG	389 U	409 U	452 U	409 U	371.0 U
Anthracene	UG/KG	389 U	409 U	452 U	409 U	371.0 U
Benzo[a]anthracene	UG/KG	389 U	409 U	452 U	409 U	371.0 U
Benzo[a]pyrene	UG/KG	389 U	409 U	452 U	409 U	371.0 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 DOWNSLOPE AND ONSITE SURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-OS-SB25-00	41-OS-SB26-00	41-OS-SB27-00	41-OS-SB28-00	41-OS-SB29-00	41-OS-SB30-00
Laboratory Sample ID:	9402088-01A	9402088-03A	9402088-05A	9402088-08A	9402071-03	9402071-05
Date Sampled:					02/05/94	02/05/94
Percent Solids	84.6	80.6	73	82.2	88.8	83.2

SEMIVOLATILES Cont.

Benzo[b]fluoranthene	UG/KG	389 U	409 U	452 U	409 U	371.0 U	398.0 U
Benzo[g,h,i]perylene	UG/KG	389 U	409 U	452 U	409 U	371.0 U	398.0 U
Benzo[k]fluoranthene	UG/KG	389 U	409 U	452 U	409 U	371.0 U	398.0 U
bis(2-Chloroethoxy) methane	UG/KG	389 U	409 U	452 U	409 U	371.0 U	398.0 U
bis(2-Chloroethyl) ether	UG/KG	389 U	409 U	452 U	94 J	371.0 U	398.0 U
bis(2-Ethylhexyl)phthalate	UG/KG	389 U	409 U	64 J	409 U	371.0 U	398.0 U
Butyl benzyl phthalate	UG/KG	389 U	409 U	452 U	409 U	371.0 U	398.0 U
Carbazole	UG/KG	389 U	409 U	452 U	409 U	371.0 U	398.0 U
Chrysene	UG/KG	389 U	409 U	452 U	409 U	371.0 U	398.0 U
Dibenzofuran	UG/KG	389 U	409 U	452 U	409 U	371.0 U	398.0 U
Dibenz[a,h]anthracene	UG/KG	389 U	409 U	452 U	409 U	371.0 U	398.0 U
Diethylphthalate	UG/KG	389 U	409 U	452 U	409 U	371.0 U	398.0 U
Dimethyl phthalate	UG/KG	389 U	409 U	452 U	409 U	371.0 U	398.0 U
di-n-Butylphthalate	UG/KG	86 J	99 J	86 J	58 J	371.0 U	92.0 J
di-n-Octylphthalate	UG/KG	389 U	409 U	452 U	409 U	371.0 U	398.0 U
Fluoranthene	UG/KG	389 U	409 U	452 U	409 U	371.0 U	398.0 U
Fluorene	UG/KG	389 U	409 U	452 U	409 U	371.0 U	398.0 U
Hexachlorobenzene	UG/KG	389 U	409 U	452 U	409 U	371.0 U	398.0 U
Hexachlorobutadiene	UG/KG	389 U	409 U	452 U	409 U	371.0 U	398.0 U
Hexachlorocyclopentadiene	UG/KG	389 U	409 U	452 U	409 U	371.0 U	398.0 U
Hexachloroethane	UG/KG	389 U	409 U	452 U	409 U	371.0 U	398.0 U
Indeno[1,2,3-cd]pyrene	UG/KG	389 U	409 U	452 U	409 U	371.0 U	398.0 U
Isophorone	UG/KG	389 U	409 U	452 U	409 U	371.0 U	398.0 U
Naphthalene	UG/KG	389 U	409 U	452 U	409 U	371.0 U	398.0 U
Nitrobenzene	UG/KG	389 U	409 U	452 U	409 U	371.0 U	398.0 U
N-Nitroso-di-n-propylamine	UG/KG	389 U	409 U	452 U	409 U	371.0 U	398.0 U
N-nitrosodiphenylamine	UG/KG	389 U	409 U	452 U	409 U	371.0 U	398.0 U
Pentachlorophenol	UG/KG	944 U	992 U	1100 U	992 U	899.0 U	964.0 U
Phenanthrene	UG/KG	389 U	409 U	452 U	409 U	371.0 U	398.0 U
Phenol	UG/KG	389 U	409 U	452 U	409 U	371.0 U	398.0 U
Pyrene	UG/KG	389 U	409 U	452 U	409 U	371.0 U	398.0 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 DOWNSLOPE AND ONSITE SURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-OS-SB25-00	41-OS-SB26-00	41-OS-SB27-00	41-OS-SB28-00	41-OS-SB29-00	41-OS-SB30-00	
Laboratory Sample ID:	9402088-01A	9402088-03A	9402088-05A	9402088-08A	9402071-03	9402071-05	
Date Sampled:					02/05/94	02/05/94	
Percent Solids	84.6	80.6	73	82.2	88.8	83.2	
VOLATILES							
Chloromethane	UG/KG	12 U	12 U	14 U	12 UJ	11.2 U	12.0 UJ
Bromomethane	UG/KG	12 U	12 U	14 U	12 UJ	11.2 U	12.0 UJ
Vinyl chloride	UG/KG	12 U	12 U	14 U	12 UJ	11.2 U	12.0 UJ
Chloroethane	UG/KG	12 U	12 U	14 U	12 UJ	11.2 U	12.0 UJ
Methylene chloride	UG/KG	12 U	6 U	14 U	12 UJ	11.00 U	12.0 UJ
Acetone	UG/KG	12 U	12 U	14 U	12 UJ	11.2 UJ	12.0 UJ
Carbon Disulfide	UG/KG	12 U	12 U	14 U	12 UJ	11.2 U	12.0 UJ
1,1-Dichloroethene	UG/KG	12 U	12 U	14 U	12 UJ	11.2 U	12.0 UJ
1,1-Dichloroethane	UG/KG	12 U	12 U	14 U	12 UJ	11.2 U	12.0 UJ
1,2-Dichloroethene(total)	UG/KG	12 U	12 U	14 U	12 UJ	11.2 U	12.0 UJ
Chloroform	UG/KG	12 U	12 U	14 U	12 UJ	11.2 U	12.0 UJ
1,2-Dichloroethane	UG/KG	12 U	12 U	14 U	12 UJ	11.2 U	12.0 UJ
2-Butanone	UG/KG	12 U	12 U	14 U	12 UJ	11.2 U	12.0 UJ
1,1,1-Trichloroethane	UG/KG	12 U	12 U	14 U	12 UJ	11.2 U	12.0 UJ
Carbon tetrachloride	UG/KG	12 U	12 U	14 U	12 UJ	11.2 U	12.0 UJ
Bromodichloromethane	UG/KG	12 U	12 U	14 U	12 UJ	11.2 U	12.0 UJ
1,2-Dichloropropane	UG/KG	12 U	12 U	14 U	12 UJ	11.2 U	12.0 UJ
cis-1,3-Dichloropropene	UG/KG	12 U	12 U	14 U	12 UJ	11.2 U	12.0 UJ
Trichloroethene	UG/KG	12 U	12 U	14 U	12 UJ	11.2 U	12.0 UJ
Dibromochloromethane	UG/KG	12 U	12 U	14 U	12 UJ	11.2 U	12.0 UJ
1,1,2-Trichloroethane	UG/KG	12 U	12 U	14 U	12 UJ	11.2 U	12.0 UJ
Benzene	UG/KG	12 U	12 U	14 U	12 UJ	11.2 U	12.0 UJ
trans-1,3-Dichloropropene	UG/KG	12 U	12 U	14 U	12 UJ	11.2 U	12.0 UJ
Bromoform	UG/KG	12 U	12 U	14 U	12 UJ	11.2 U	12.0 UJ
4-Methyl-2-pentanone	UG/KG	12 UJ	12 U	14 U	12 UJ	11.2 U	12.0 UJ
2-Hexanone	UG/KG	12 UJ	12 U	14 U	12 UJ	11.2 U	12.0 UJ
Tetrachloroethene	UG/KG	12 UJ	12 U	14 U	12 UJ	11.2 U	12.0 UJ
1,1,2,2-Tetrachloroethane	UG/KG	12 UJ	12 U	14 U	12 UJ	11.2 U	12.0 UJ
Toluene	UG/KG	4 J	12 U	14 U	12 UJ	11.2 U	12.0 UJ
Chlorobenzene	UG/KG	12 UJ	12 U	14 U	12 UJ	11.2 U	12.0 UJ
Ethylbenzene	UG/KG	12 UJ	12 U	14 U	12 UJ	11.2 U	12.0 UJ
Styrene	UG/KG	12 UJ	12 U	14 U	12 UJ	11.2 U	12.0 UJ
Xylenes (total)	UG/KG	12 UJ	12 U	14 U	12 UJ	11.2 U	12.0 UJ

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 DOWNSLOPE AND ONSITE SURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-OS-SB25-00	41-OS-SB26-00	41-OS-SB27-00	41-OS-SB28-00	41-OS-SB29-00	41-OS-SB30-00	
Laboratory Sample ID:	9402088-01A	9402088-03A	9402088-05A	9402088-08A	9402071-03	9402071-05	
Date Sampled:					02/05/94	02/05/94	
Percent Solids	84.6	80.6	73	82.2	88.8	83.2	
PESTICIDE/PCBS							
alpha-BHC	UG/KG	2 UJ	2.1 UJ	2.33 UJ	10.37 UJ	1.90 UJ	2.04 UJ
beta-BHC	UG/KG	2 UJ	2.1 UJ	2.33 UJ	10.37 UJ	1.90 U	2.04 U
delta-BHC	UG/KG	2 UJ	0.03 NJ	2.33 UJ	10.37 UJ	1.90 UJ	2.04 UJ
Lindane (gamma-BHC)	UG/KG	2 UJ	2.1 UJ	2.33 UJ	10.37 UJ	1.90 U	2.04 U
Heptachlor	UG/KG	0.3 NJ	2.1 UJ	2.33 UJ	10.37 UJ	1.90 U	2.04 U
Aldrin	UG/KG	2 UJ	2.1 UJ	2.33 UJ	10.37 UJ	1.90 U	2.04 U
Heptachlor epoxide	UG/KG	2 UJ	2.1 UJ	2.33 UJ	10.37 UJ	1.90 U	2.04 U
Endosulfan I	UG/KG	2 UJ	2.1 UJ	2.33 UJ	10.37 UJ	1.90 U	2.04 U
Dieldrin	UG/KG	3.88 UJ	4.07 UJ	4.52 UJ	20.12 UJ	3.70 U	3.96 U
4,4'-DDE	UG/KG	3.88 UJ	0.12 J	0.51 NJ	20.12 UJ	0.790 J	43.6 J
Endrin	UG/KG	3.88 UJ	4.07 UJ	4.52 UJ	20.12 UJ	3.70 U	3.96 U
Endosulfan II	UG/KG	3.88 UJ	4.07 UJ	4.52 UJ	20.12 UJ	3.70 U	3.96 U
4,4'-DDD	UG/KG	3.88 UJ	0.37 J	4.52 UJ	20.12 UJ	3.70 U	3.96 U
Endosulfan sulfate	UG/KG	3.88 UJ	4.07 UJ	4.52 UJ	20.12 UJ	3.70 U	3.96 U
4,4'-DDT	UG/KG	3.88 UJ	4.07 UJ	1.7 J	2 J	0.410 NJ	20.1 J
Methoxychlor	UG/KG	20 UJ	21 UJ	23.3 UJ	103.7 UJ	19.0 U	20.4 U
Endrin ketone	UG/KG	3.88 UJ	4.07 UJ	4.52 UJ	20.12 UJ	3.70 U	3.96 U
Endrin aldehyde	UG/KG	3.88 UJ	4.07 UJ	4.52 UJ	20.12 UJ	3.70 U	3.96 U
alpha-Chlordane	UG/KG	2 UJ	0.08 J	2.33 UJ	10.37 UJ	1.90 U	2.04 U
gamma-Chlordane	UG/KG	2 UJ	0.06 NJ	2.33 UJ	10.37 UJ	1.90 U	2.04 U
Toxaphene	UG/KG	200 UJ	210 UJ	233 UJ	1036.6 UJ	190.0 U	204.0 U
Aroclor 1016	UG/KG	38.8 UJ	40.7 UJ	45.2 UJ	201.2 UJ	37.0 U	39.6 U
Aroclor 1221	UG/KG	78.8 UJ	82.7 UJ	91.8 UJ	408.5 UJ	75.0 U	80.4 U
Aroclor 1232	UG/KG	38.8 UJ	40.7 UJ	45.2 UJ	201.2 UJ	37.0 U	39.6 U
Aroclor 1242	UG/KG	38.8 UJ	40.7 UJ	45.2 UJ	201.2 UJ	37.0 U	39.6 U
Aroclor 1248	UG/KG	38.8 UJ	40.7 UJ	45.2 UJ	201.2 UJ	37.0 U	39.6 U
Aroclor 1254	UG/KG	38.8 UJ	40.7 UJ	45.2 UJ	201.2 UJ	37.0 U	39.6 U
Aroclor 1260	UG/KG	38.8 UJ	40.7 UJ	45.2 UJ	201.2 UJ	37.0 U	39.6 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 DOWNSLOPE AND ONSITE SURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-OS-SB25-00	41-OS-SB26-00	41-OS-SB27-00	41-OS-SB28-00	41-OS-SB29-00	41-OS-SB30-00
Laboratory Sample ID:	9402088-01A	9402088-03A	9402088-05A	9402088-08A	9402071-03	9402071-05
Date Sampled:					02/05/94	02/05/94
Percent Solids	84.6	80.6	73	82.2	88.8	83.2
CHEMICAL SURETY						
Acetophenone	UG/KG	N/A	N/A	N/A	N/A	N/A
Chloroacetophenone	UG/KG	N/A	N/A	N/A	N/A	N/A
Hydroxyacetophenone	UG/KG	N/A	N/A	N/A	N/A	N/A
Bis(2'-chloroethyl)disulfide	UG/KG	N/A	N/A	N/A	N/A	N/A
Bis(2'-chloroethyl)trisulfide	UG/KG	N/A	N/A	N/A	N/A	N/A
1,4-Dithiane	UG/KG	N/A	N/A	N/A	N/A	N/A
1,4-Oxathiane	UG/KG	N/A	N/A	N/A	N/A	N/A
THIODIGLYCOL						
Thiodiglycol	MG/KG	N/A	N/A	N/A	N/A	N/A
ORDNANCE						
1,3,5-Trinitrobenzene	UG/KG	N/A	N/A	N/A	N/A	N/A
1,3-Dinitrobenzene	UG/KG	N/A	N/A	N/A	N/A	N/A
2,4,6-Trinitrotoluene	UG/KG	N/A	N/A	N/A	N/A	N/A
2,4-Dinitrotoluene	UG/KG	N/A	N/A	N/A	N/A	N/A
2,6-Dinitrotoluene	UG/KG	N/A	N/A	N/A	N/A	N/A
2-Amino-4,6-dinitrotoluene	UG/KG	N/A	N/A	N/A	N/A	N/A
2-Nitrotoluene	UG/KG	N/A	N/A	N/A	N/A	N/A
3-Nitrotoluene	UG/KG	N/A	N/A	N/A	N/A	N/A
4-Amino-2,6-dinitrotoluene	UG/KG	N/A	N/A	N/A	N/A	N/A
4-Nitrotoluene	UG/KG	N/A	N/A	N/A	N/A	N/A
HMX	UG/KG	N/A	N/A	N/A	N/A	N/A
Nitrobenzene	UG/KG	N/A	N/A	N/A	N/A	N/A
RDX	UG/KG	N/A	N/A	N/A	N/A	N/A
Tetryl	UG/KG	N/A	N/A	N/A	N/A	N/A
MIREX						
Mirex	UG/KG	N/A	N/A	N/A	N/A	371.0 U
						398.0 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 DOWNSLOPE AND ONSITE SURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-OS-SB31-00	41-OS-SB32-00	41-OS-SB33-00	41-OS-SB34-00	
Laboratory Sample ID:	9402088-10A	9402088-12A	9402071-08	9402088-15A	
Date Sampled:			02/05/94		
Percent Solids	69.5	85.5	78.1	77.7	
SEMIVOLATILES					
1,2-Dichlorobenzene	UG/KG	472 U	383 U	423.0 UJ	422 U
1,2,4-Trichlorobenzene	UG/KG	472 U	383 U	423.0 UJ	422 U
1,3-Dichlorobenzene	UG/KG	472 U	383 U	423.0 UJ	422 U
1,4-Dichlorobenzene	UG/KG	472 U	383 U	423.0 UJ	422 U
2-Chloronaphthalene	UG/KG	472 U	383 U	423.0 UJ	422 U
2-Chlorophenol	UG/KG	472 U	383 U	423.0 UJ	422 U
2-Methylnaphthalene	UG/KG	472 U	383 U	423.0 UJ	422 U
2-Methylphenol	UG/KG	472 U	383 U	423.0 UJ	422 U
2-Nitroaniline	UG/KG	1140 U	928 U	1020.0 UJ	1020 U
2-Nitrophenol	UG/KG	472 U	383 U	423.0 UJ	422 U
2,2'-oxybis-(1-chloropropane)	UG/KG	472 U	383 UJ	423.0 UJ	422 UJ
2,4-Dichlorophenol	UG/KG	472 U	383 U	423.0 UJ	422 U
2,4-Dimethylphenol	UG/KG	472 U	383 U	423.0 UJ	422 U
2,4-Dinitrophenol	UG/KG	1140 U	928 U	1020.0 UJ	1020 U
2,4-Dinitrotoluene	UG/KG	472 U	383 U	423.0 UJ	422 U
2,4,5-Trichlorophenol	UG/KG	1140 U	928 U	1020.0 UJ	1020 U
2,4,6-Trichlorophenol	UG/KG	472 U	383 U	423.0 UJ	422 U
2,6-Dinitrotoluene	UG/KG	472 U	383 U	423.0 UJ	422 U
3-Nitroaniline	UG/KG	1140 U	928 U	1020.0 UJ	1020 U
3,3'-Dichlorobenzidine	UG/KG	472 U	383 UJ	423.0 UJ	422 UJ
4-Bromophenyl-phenylether	UG/KG	472 U	383 U	423.0 UJ	422 U
4-Chloro-3-methylphenol	UG/KG	472 U	383 U	423.0 UJ	422 U
4-Chloroaniline	UG/KG	472 U	383 U	423.0 UJ	422 U
4-Chlorophenyl phenyl ether	UG/KG	472 U	383 U	423.0 UJ	422 U
4-Methylphenol	UG/KG	472 U	383 U	423.0 UJ	422 U
4-Nitroaniline	UG/KG	1140 U	928 U	1020.0 UJ	1020 U
4-Nitrophenol	UG/KG	1140 U	928 U	1020.0 UJ	1020 U
4,6-Dinitro-2-methylphenol	UG/KG	1140 U	928 U	1020.0 UJ	1020 U
Acenaphthene	UG/KG	472 U	383 U	423.0 UJ	422 U
Acenaphthylene	UG/KG	472 U	383 U	423.0 UJ	422 U
Anthracene	UG/KG	472 U	383 U	423.0 UJ	422 U
Benzo[a]anthracene	UG/KG	472 U	383 U	423.0 UJ	422 U
Benzo[a]pyrene	UG/KG	472 U	383 U	423.0 UJ	422 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 DOWNSLOPE AND ONSITE SURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-OS-SB31-00	41-OS-SB32-00	41-OS-SB33-00	41-OS-SB34-00
Laboratory Sample ID:	9402088-10A	9402088-12A	9402071-08	9402088-15A
Date Sampled:			02/05/94	
Percent Solids	69.5	85.5	78.1	77.7

SEMIVOLATILES Cont.

Benzo[b]fluoranthene	UG/KG	472 U	383 U	423.0 UJ	422 U
Benzo[g,h,i]perylene	UG/KG	472 U	383 U	423.0 UJ	422 U
Benzo[k]fluoranthene	UG/KG	472 U	383 U	423.0 UJ	422 U
bis(2-Chloroethoxy) methane	UG/KG	472 U	383 U	423.0 UJ	422 U
bis(2-Chloroethyl) ether	UG/KG	59 J	383 U	423.0 UJ	220 J
bis(2-Ethylhexyl)phthalate	UG/KG	472 U	47 J	423.0 UJ	422 U
Butyl benzyl phthalate	UG/KG	472 U	383 U	423.0 UJ	422 U
Carbazole	UG/KG	472 U	383 U	423.0 UJ	422 U
Chrysene	UG/KG	472 U	383 U	423.0 UJ	422 U
Dibenzofuran	UG/KG	472 U	383 U	423.0 UJ	422 U
Dibenz[a,h]anthracene	UG/KG	472 U	383 U	423.0 UJ	422 U
Diethylphthalate	UG/KG	472 U	383 U	423.0 UJ	422 U
Dimethyl phthalate	UG/KG	472 U	383 U	423.0 UJ	422 U
di-n-Butylphthalate	UG/KG	472 U	43 J	423.0 UJ	422 U
di-n-Octylphthalate	UG/KG	472 U	383 U	423.0 UJ	422 U
Fluoranthene	UG/KG	472 U	383 U	423.0 UJ	422 U
Fluorene	UG/KG	472 U	383 U	423.0 UJ	422 U
Hexachlorobenzene	UG/KG	472 U	383 U	423.0 UJ	422 U
Hexachlorobutadiene	UG/KG	472 U	383 U	423.0 UJ	422 U
Hexachlorocyclopentadiene	UG/KG	472 U	383 U	423.0 UJ	422 U
Hexachloroethane	UG/KG	472 U	383 U	423.0 UJ	422 U
Indeno[1,2,3-cd]pyrene	UG/KG	472 U	383 U	423.0 UJ	422 U
Isophorone	UG/KG	472 U	383 U	423.0 UJ	422 U
Naphthalene	UG/KG	472 U	383 U	423.0 UJ	422 U
Nitrobenzene	UG/KG	472 U	383 U	423.0 UJ	422 U
N-Nitroso-di-n-propylamine	UG/KG	472 U	383 U	423.0 UJ	422 U
N-nitrosodiphenylamine	UG/KG	472 U	383 U	423.0 UJ	422 U
Pentachlorophenol	UG/KG	1140 U	928 U	1020.0 UJ	1020 U
Phenanthrene	UG/KG	472 U	383 U	423.0 UJ	422 U
Phenol	UG/KG	472 U	383 U	423.0 UJ	422 U
Pyrene	UG/KG	472 U	383 U	423.0 UJ	422 U

FREQUENCY OF DETECTION SUMMARY
OPERABLE UNIT NO. 4 (SITE 41)
DOWNSLOPE AND ONSITE SURFACE SOIL
MCB CAMP LEJEUNE, NORTH CAROLINA
REMEDIAL INVESTIGATION - CTO-0212
ORGANICS

Client Sample ID:	41-OS-SB31-00	41-OS-SB32-00	41-OS-SB33-00	41-OS-SB34-00	
Laboratory Sample ID:	9402088-10A	9402088-12A	9402071-08	9402088-15A	
Date Sampled:			02/05/94		
Percent Solids	69.5	85.5	78.1	77.7	
<u>VOLATILES</u>					
Chloromethane	UG/KG	14 U	12 U	12.8 U	13 UJ
Bromomethane	UG/KG	14 U	12 U	12.8 U	13 UJ
Vinyl chloride	UG/KG	14 U	12 U	12.8 U	13 UJ
Chloroethane	UG/KG	14 U	12 U	12.8 U	13 UJ
Methylene chloride	UG/KG	14 U	12 U	13.00 U	13 UJ
Acetone	UG/KG	14 U	7 J	12.8 UJ	13 UJ
Carbon Disulfide	UG/KG	14 U	12 U	12.8 U	13 UJ
1,1-Dichloroethene	UG/KG	14 U	12 U	12.8 U	13 UJ
1,1-Dichloroethane	UG/KG	14 U	12 U	12.8 U	13 UJ
1,2-Dichloroethene(total)	UG/KG	14 U	12 U	12.8 U	13 UJ
Chloroform	UG/KG	14 U	12 U	12.8 U	13 UJ
1,2-Dichloroethane	UG/KG	14 U	12 U	12.8 U	13 UJ
2-Butanone	UG/KG	14 U	12 U	12.8 U	13 UJ
1,1,1-Trichloroethane	UG/KG	14 U	12 U	12.8 U	13 U
Carbon tetrachloride	UG/KG	14 U	12 U	12.8 U	13 U
Bromodichloromethane	UG/KG	14 U	12 U	12.8 U	13 U
1,2-Dichloropropane	UG/KG	14 U	12 U	12.8 U	13 U
cis-1,3-Dichloropropene	UG/KG	14 U	12 U	12.8 U	13 U
Trichloroethene	UG/KG	14 U	12 U	12.8 U	13 U
Dibromochloromethane	UG/KG	14 U	12 U	12.8 U	13 U
1,1,2-Trichloroethane	UG/KG	14 U	12 U	12.8 U	13 U
Benzene	UG/KG	14 U	12 U	12.8 U	13 U
trans-1,3-Dichloropropene	UG/KG	14 U	12 U	12.8 U	13 U
Bromoform	UG/KG	14 U	12 U	12.8 U	13 U
4-Methyl-2-pentanone	UG/KG	14 U	12 U	12.8 U	13 UJ
2-Hexanone	UG/KG	14 U	12 U	12.8 U	13 UJ
Tetrachloroethene	UG/KG	14 U	12 U	12.8 U	13 UJ
1,1,2,2-Tetrachloroethane	UG/KG	14 U	12 U	12.8 U	13 UJ
Toluene	UG/KG	14 U	12 U	12.8 U	13 UJ
Chlorobenzene	UG/KG	14 U	12 U	12.8 U	13 UJ
Ethylbenzene	UG/KG	14 U	12 U	12.8 U	13 UJ
Styrene	UG/KG	14 U	12 U	12.8 U	13 UJ
Xylenes (total)	UG/KG	14 U	12 U	12.8 U	13 UJ

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 DOWNSLOPE AND ONSITE SURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-OS-SB31-00	41-OS-SB32-00	41-OS-SB33-00	41-OS-SB34-00	
Laboratory Sample ID:	9402088-10A	9402088-12A	9402071-08	9402088-15A	
Date Sampled:			02/05/94		
Percent Solids	69.5	85.5	78.1	77.7	
PESTICIDE/PCBS					
alpha-BHC	UG/KG	2.46 UJ	2 UJ	2.18 UJ	2.07 UJ
beta-BHC	UG/KG	2.46 UJ	2 UJ	2.18 UJ	2.07 UJ
delta-BHC	UG/KG	2.46 UJ	2 UJ	2.18 UJ	2.07 UJ
Lindane (gamma-BHC)	UG/KG	2.46 UJ	0.22 NJ	2.18 UJ	2.07 UJ
Heptachlor	UG/KG	2.46 UJ	2 UJ	2.180 UJ	2.07 UJ
Aldrin	UG/KG	2.46 UJ	2 UJ	2.18 UJ	2.07 UJ
Heptachlor epoxide	UG/KG	2.46 UJ	2 UJ	2.18 UJ	2.07 UJ
Endosulfan I	UG/KG	2.46 UJ	2 UJ	2.18 UJ	2.07 UJ
Dieldrin	UG/KG	4.78 UJ	0.2 NJ	4.22 UJ	4.02 UJ
4,4'-DDE	UG/KG	4.78 UJ	0.56 J	4.22 UJ	4.11 J
Endrin	UG/KG	4.78 UJ	3.88 UJ	4.22 UJ	4.02 UJ
Endosulfan II	UG/KG	4.78 UJ	3.88 UJ	4.22 UJ	4.02 UJ
4,4'-DDD	UG/KG	4.78 UJ	3.88 UJ	4.22 UJ	4.02 UJ
Endosulfan sulfate	UG/KG	4.78 UJ	0.32 J	4.22 UJ	4.02 UJ
4,4'-DDT	UG/KG	4.78 UJ	3.88 UJ	0.910 NJ	3.67 J
Methoxychlor	UG/KG	24.6 UJ	20 UJ	21.8 UJ	20.7 UJ
Endrin ketone	UG/KG	4.78 UJ	3.88 UJ	4.22 UJ	4.02 UJ
Endrin aldehyde	UG/KG	4.78 UJ	3.88 UJ	4.22 UJ	4.02 UJ
alpha-Chlordane	UG/KG	2.46 UJ	2 UJ	2.18 UJ	2.07 UJ
gamma-Chlordane	UG/KG	2.46 UJ	2 UJ	2.18 UJ	2.07 UJ
Toxaphene	UG/KG	246 UJ	200 UJ	218.0 UJ	207 UJ
Aroclor 1016	UG/KG	47.8 UJ	38.8 UJ	42.2 UJ	40.2 UJ
Aroclor 1221	UG/KG	97.1 UJ	78.8 UJ	85.8 UJ	81.7 UJ
Aroclor 1232	UG/KG	47.8 UJ	38.8 UJ	42.2 UJ	40.2 UJ
Aroclor 1242	UG/KG	47.8 UJ	38.8 UJ	42.2 UJ	40.2 UJ
Aroclor 1248	UG/KG	47.8 UJ	38.8 UJ	42.2 UJ	40.2 UJ
Aroclor 1254	UG/KG	47.8 UJ	38.8 UJ	42.2 UJ	40.2 UJ
Aroclor 1260	UG/KG	47.8 UJ	38.8 UJ	42.2 UJ	40.2 UJ

FREQUENCY OF DETECTION SUMMARY
OPERABLE UNIT NO. 4 (SITE 41)
DOWNSLOPE AND ONSITE SURFACE SOIL
MCB CAMP LEJEUNE, NORTH CAROLINA
REMEDIAL INVESTIGATION - CTO-0212
ORGANICS

Client Sample ID:	41-OS-SB31-00	41-OS-SB32-00	41-OS-SB33-00	41-OS-SB34-00
Laboratory Sample ID:	9402088-10A	9402088-12A	9402071-08	9402088-15A
Date Sampled:			02/05/94	
Percent Solids	69.5	85.5	78.1	77.7

CHEMICAL SURETY

Acetophenone	UG/KG	N/A	N/A	N/A	N/A
Chloroacetophenone	UG/KG	N/A	N/A	N/A	N/A
Hydroxyacetophenone	UG/KG	N/A	N/A	N/A	N/A
Bis(2'-chloroethyl)disulfide	UG/KG	N/A	N/A	N/A	N/A
Bis(2'-chloroethyl)trisulfide	UG/KG	N/A	N/A	N/A	N/A
1,4-Dithiane	UG/KG	N/A	N/A	N/A	N/A
1,4-Oxathiane	UG/KG	N/A	N/A	N/A	N/A

THIODIGLYCOL

Thiodiglycol	MG/KG	N/A	N/A	N/A	N/A
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ORDNANCE

1,3,5-Trinitrobenzene	UG/KG	N/A	N/A	N/A	N/A
1,3-Dinitrobenzene	UG/KG	N/A	N/A	N/A	N/A
2,4,6-Trinitrotoluene	UG/KG	N/A	N/A	N/A	N/A
2,4-Dinitrotoluene	UG/KG	N/A	N/A	N/A	N/A
2,6-Dinitrotoluene	UG/KG	N/A	N/A	N/A	N/A
2-Amino-4,6-dinitrotoluene	UG/KG	N/A	N/A	N/A	N/A
2-Nitrotoluene	UG/KG	N/A	N/A	N/A	N/A
3-Nitrotoluene	UG/KG	N/A	N/A	N/A	N/A
4-Amino-2,6-dinitrotoluene	UG/KG	N/A	N/A	N/A	N/A
4-Nitrotoluene	UG/KG	N/A	N/A	N/A	N/A
HMX	UG/KG	N/A	N/A	N/A	N/A
Nitrobenzene	UG/KG	N/A	N/A	N/A	N/A
RDX	UG/KG	N/A	N/A	N/A	N/A
Tetryl	UG/KG	N/A	N/A	N/A	N/A

MIREX

Mirex	UG/KG	N/A	N/A	423.0 UJ	N/A
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FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 DOWNSLOPE AND ONSITE SURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:
 Laboratory Sample ID:
 Date Sampled:
 Percent Solids

		MINIMUM NONDETECTED	MAXIMUM NONDETECTED	MINIMUM DETECTED	MAXIMUM DETECTED	LOCATION OF MAXIMUM DETECTED	FREQUENCY OF DETECTION
SEMIVOLATILES							
1,2-Dichlorobenzene	UG/KG	363 U	16200 U	ND	ND		0/46
1,2,4-Trichlorobenzene	UG/KG	363 U	16200 U	ND	ND		0/46
1,3-Dichlorobenzene	UG/KG	363 U	16200 U	ND	ND		0/46
1,4-Dichlorobenzene	UG/KG	363 U	16200 U	180 J	180 J	41-0S-SB12-00	1/46
2-Chloronaphthalene	UG/KG	363 U	16200 U	ND	ND		0/46
2-Chlorophenol	UG/KG	363 U	16200 U	ND	ND		0/46
2-Methylnaphthalene	UG/KG	363 U	16200 U	55 J	55 J	41-0S-SB12-00	1/46
2-Methylphenol	UG/KG	363 U	16200 U	ND	ND		0/46
2-Nitroaniline	UG/KG	880 U	39200 U	ND	ND		0/46
2-Nitrophenol	UG/KG	363 U	16200 U	ND	ND		0/46
2,2'-oxybis-(1-chloropropane)	UG/KG	363 U	16200 U	ND	ND		0/46
2,4-Dichlorophenol	UG/KG	363 U	16200 U	ND	ND		0/46
2,4-Dimethylphenol	UG/KG	363 U	16200 U	ND	ND		0/46
2,4-Dinitrophenol	UG/KG	880 U	39200 U	ND	ND		0/46
2,4-Dinitrotoluene	UG/KG	363 U	16200 U	ND	ND		0/46
2,4,5-Trichlorophenol	UG/KG	880 U	39200 U	ND	ND		0/46
2,4,6-Trichlorophenol	UG/KG	363 U	16200 U	ND	ND		0/46
2,6-Dinitrotoluene	UG/KG	363 U	16200 U	ND	ND		0/46
3-Nitroaniline	UG/KG	880 U	39200 U	ND	ND		0/46
3,3'-Dichlorobenzidine	UG/KG	363 U	16200 U	ND	ND		0/46
4-Bromophenyl-phenylether	UG/KG	363 U	16200 U	ND	ND		0/46
4-Chloro-3-methylphenol	UG/KG	363 U	16200 U	ND	ND		0/46
4-Chloroaniline	UG/KG	363 U	16200 U	ND	ND		0/46
4-Chlorophenyl phenyl ether	UG/KG	363 U	16200 U	ND	ND		0/46
4-Methylphenol	UG/KG	363 U	16200 U	ND	ND		0/46
4-Nitroaniline	UG/KG	880 U	39200 U	920 R	960 R	41-0S-SB19-00	3/46
4-Nitrophenol	UG/KG	880 U	39200 U	960 R	960 R	41-0S-SB19-00	1/46
4,6-Dinitro-2-methylphenol	UG/KG	880 U	39200 U	ND	ND		0/46
Acenaphthene	UG/KG	363 U	16200 U	91 J	380 J	41-0S-SB10-00	2/46
Acenaphthylene	UG/KG	363 U	16200 U	ND	ND		0/46
Anthracene	UG/KG	363 U	16200 U	41 J	510	41-0S-SB10-00	3/46
Benzo[a]anthracene	UG/KG	363 U	16200 U	130 J	2400	41-0S-SB10-00	4/46
Benzo[a]pyrene	UG/KG	363 U	16200 U	40 J	2000	41-0S-SB10-00	5/46

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 DOWNSLOPE AND ONSITE SURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:
 Laboratory Sample ID:
 Date Sampled:

Percent Solids		MINIMUM NONDETECTED	MAXIMUM NONDETECTED	MINIMUM DETECTED	MAXIMUM DETECTED	LOCATION OF MAXIMUM DETECTED	FREQUENCY OF DETECTION	
SEMIVOLATILES Cont.								
	Benzo[b]fluoranthene	UG/KG	363 U	16200 U	38 J	2500	41-OS-SB10-00	6/46
	Benzo[g,h,i]perylene	UG/KG	363 U	16200 U	46 J	1600	41-OS-SB10-00	4/46
	Benzo[k]fluoranthene	UG/KG	363 U	16200 U	50 J	1700	41-OS-SB10-00	6/46
	bis(2-Chloroethoxy) methane	UG/KG	363 U	16200 U	ND	ND		0/46
	bis(2-Chloroethyl) ether	UG/KG	367 U	16200 U	57 J	220 J	41-OS-SB34-00	6/46
	bis(2-Ethylhexyl)phthalate	UG/KG	363 U	16200 U	42 J	580 J	41-OS-SB12-00	12/46
	Butyl benzyl phthalate	UG/KG	363 U	16200 U	ND	ND		0/46
	Carbazole	UG/KG	363 U	16200 U	44 J	330 J	41-OS-SB10-00	2/46
	Chrysene	UG/KG	363 U	16200 U	49 J	2300	41-OS-SB10-00	6/46
	Dibenzofuran	UG/KG	363 U	16200 U	130 J	130 J	41-OS-SB10-00	1/46
	Dibenz[a,h]anthracene	UG/KG	363 U	16200 U	57 J	57 J	41-OS-SB12-00	1/46
	Diethylphthalate	UG/KG	363 U	16200 U	ND	ND		0/46
	Dimethyl phthalate	UG/KG	363 U	16200 U	ND	ND		0/46
	di-n-Butylphthalate	UG/KG	360 U	16200 U	42 J	230 J	41-OS-SB02-00	13/46
	di-n-Octylphthalate	UG/KG	363 U	16200 U	40 J	200 J	41-OS-SB18-00	6/46
	Fluoranthene	UG/KG	363 U	472 U	40 J	3500 R	41-OS-SB10-00	9/46
	Fluorene	UG/KG	363 U	16200 U	79 J	280 J	41-OS-SB10-00	2/46
	Hexachlorobenzene	UG/KG	363 U	16200 U	ND	ND		0/46
	Hexachlorobutadiene	UG/KG	363 U	16200 U	ND	ND		0/46
	Hexachlorocyclopentadiene	UG/KG	363 U	16200 U	ND	ND		0/46
	Hexachloroethane	UG/KG	363 U	16200 U	ND	ND		0/46
	Indeno[1,2,3-cd]pyrene	UG/KG	363 U	16200 U	71 J	76 J	41-OS-SB20-00	2/46
	Isophorone	UG/KG	363 U	16200 U	ND	ND		0/46
	Naphthalene	UG/KG	363 U	16200 U	70 J	70 J	41-OS-SB12-00	1/46
	Nitrobenzene	UG/KG	363 U	16200 U	ND	ND		0/46
	N-Nitroso-di-n-propylamine	UG/KG	363 U	16200 U	ND	ND		0/46
	N-nitrosodiphenylamine	UG/KG	363 U	16200 U	ND	ND		0/46
	Pentachlorophenol	UG/KG	880 U	39200 U	ND	ND		0/46
	Phenanthrene	UG/KG	363 U	472 U	72 J	2600	41-OS-SB10-00	6/46
	Phenol	UG/KG	363 U	16200 U	ND	ND		0/46
	Pyrene	UG/KG	363 U	472 U	50 J	4400 R	41-OS-SB10-00	8/46

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 DOWNSLOPE AND ONSITE SURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:
 Laboratory Sample ID:
 Date Sampled:
 Percent Solids

		MINIMUM	MAXIMUM	MINIMUM	MAXIMUM	LOCATION OF	FREQUENCY
		NONDETECTED	NONDETECTED	DETECTED	DETECTED	MAXIMUM	OF
						DETECTED	DETECTION
VOLATILES							
Chloromethane	UG/KG	10.9 U	14 U	ND	ND		0/46
Bromomethane	UG/KG	10.9 U	14 U	ND	ND		0/46
Vinyl chloride	UG/KG	10.9 U	14 U	ND	ND		0/46
Chloroethane	UG/KG	10.9 U	14 U	ND	ND		0/46
Methylene chloride	UG/KG	6 U	54 U	2 J	5 J	41-OS-SB09-00	13/46
Acetone	UG/KG	10.9 UJ	88 U	3 J	2800	41-OS-SB19-00	11/46
Carbon Disulfide	UG/KG	10.9 U	14 U	ND	ND		0/46
1,1-Dichloroethene	UG/KG	10.9 U	14 U	ND	ND		0/46
1,1-Dichloroethane	UG/KG	10.9 U	14 U	ND	ND		0/46
1,2-Dichloroethene(total)	UG/KG	10.9 U	14 U	ND	ND		0/46
Chloroform	UG/KG	10.9 U	14 U	ND	ND		0/46
1,2-Dichloroethane	UG/KG	10.9 U	14 U	ND	ND		0/46
2-Butanone	UG/KG	10.9 U	14 U	11.6 R	13 R	41-OS-SB34-00	4/46
1,1,1-Trichloroethane	UG/KG	10.9 U	14 U	ND	ND		0/46
Carbon tetrachloride	UG/KG	10.9 U	14 U	ND	ND		0/46
Bromodichloromethane	UG/KG	10.9 U	14 U	ND	ND		0/46
1,2-Dichloropropane	UG/KG	10.9 U	14 U	ND	ND		0/46
cis-1,3-Dichloropropene	UG/KG	10.9 U	14 U	ND	ND		0/46
Trichloroethene	UG/KG	10.9 U	14 U	ND	ND		0/46
Dibromochloromethane	UG/KG	10.9 U	14 U	ND	ND		0/46
1,1,2-Trichloroethane	UG/KG	10.9 U	14 U	ND	ND		0/46
Benzene	UG/KG	10.9 U	14 U	ND	ND		0/46
trans-1,3-Dichloropropene	UG/KG	10.9 U	14 U	ND	ND		0/46
Bromoform	UG/KG	10.9 U	14 U	ND	ND		0/46
4-Methyl-2-pentanone	UG/KG	10.9 U	14 U	ND	ND		0/46
2-Hexanone	UG/KG	10.9 U	14 U	ND	ND		0/46
Tetrachloroethene	UG/KG	10.9 U	14 U	ND	ND		0/46
1,1,2,2-Tetrachloroethane	UG/KG	10.9 U	14 U	ND	ND		0/46
Toluene	UG/KG	10.9 U	14 U	1 J	4 J	41-OS-SB25-00	3/46
Chlorobenzene	UG/KG	10.9 U	14 U	ND	ND		0/46
Ethylbenzene	UG/KG	10.9 U	14 U	ND	ND		0/46
Styrene	UG/KG	10.9 U	14 U	ND	ND		0/46
Xylenes (total)	UG/KG	10.9 U	14 U	ND	ND		0/46

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 DOWNSLOPE AND ONSITE SURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:
 Laboratory Sample ID:
 Date Sampled:
 Percent Solids

		MINIMUM NONDETECTED	MAXIMUM NONDETECTED	MINIMUM DETECTED	MAXIMUM DETECTED	LOCATION OF MAXIMUM DETECTED	FREQUENCY OF DETECTION
PESTICIDE/PCBS							
alpha-BHC	UG/KG	1.86 UJ	10.37 UJ	2.05 R	2.07 R	41-OS-SB34-00	2/46
beta-BHC	UG/KG	1.89 UJ	10.37 UJ	1.86 R	4.72 NJ	41-DS-SB03-00	18/46
delta-BHC	UG/KG	1.86 UJ	10.37 UJ	0.03 NJ	2.07 R	41-OS-SB34-00	4/46
Lindane (gamma-BHC)	UG/KG	1.86 U	10.37 UJ	0.22 NJ	2.07 R	41-OS-SB34-00	3/46
Heptachlor	UG/KG	0.26 UJ	10.37 UJ	0.3 NJ	7.16 J	41-OS-SB03-00	5/46
Aldrin	UG/KG	1.86 U	10.37 UJ	2.05 R	2.07 R	41-OS-SB34-00	2/46
Heptachlor epoxide	UG/KG	1.86 U	10.37 UJ	0.56 NJ	9.6 NJ	41-OS-SB03-00	5/46
Endosulfan I	UG/KG	1.86 U	10.37 UJ	2.05 R	2.07 R	41-OS-SB34-00	2/46
Dieldrin	UG/KG	3.62 U	20.12 UJ	0.2 NJ	13.03 NJ	41-OS-SB08-00	17/46
4,4'-DDE	UG/KG	3.62 UJ	20.12 UJ	0.12 J	87.6 J	41-OS-SB08-00	34/46
Endrin	UG/KG	3.62 UJ	20.12 UJ	1.47 NJ	4.02 R	41-OS-SB34-00	6/46
Endosulfan II	UG/KG	3.62 UJ	20.12 UJ	0.45 NJ	5.01 J	41-OS-SB22-00	13/46
4,4'-DDD	UG/KG	3.62 UJ	20.12 UJ	0.37 J	92 J	41-OS-SB12-00	19/46
Endosulfan sulfate	UG/KG	3.62 UJ	20.12 UJ	0.32 J	4.02 R	41-OS-SB34-00	6/46
4,4'-DDT	UG/KG	3.62 UJ	4.78 UJ	0.37 J	277 J	41-OS-SB14-00	29/46
Methoxychlor	UG/KG	18.6 UJ	103.7 UJ	1.41 J	20.7 R	41-OS-SB34-00	4/46
Endrin ketone	UG/KG	3.62 UJ	20.12 UJ	0.44 NJ	4.02 R	41-OS-SB34-00	5/46
Endrin aldehyde	UG/KG	3.62 U	20.12 UJ	0.61 J	4.02 R	41-OS-SB34-00	8/46
alpha-Chlordane	UG/KG	1.86 U	10.37 UJ	0.08 J	92.7 J	41-OS-SB03-00	16/46
gamma-Chlordane	UG/KG	1.86 U	10.37 UJ	0.06 NJ	93.5 J	41-OS-SB03-00	16/46
Toxaphene	UG/KG	186 U	1036.6 UJ	205 R	207 R	41-OS-SB34-00	2/46
Aroclor 1016	UG/KG	36.2 U	201.2 UJ	39.8 R	40.2 R	41-OS-SB34-00	2/46
Aroclor 1221	UG/KG	73.5 U	408.5 UJ	80.7 R	81.7 R	41-OS-SB34-00	2/46
Aroclor 1232	UG/KG	36.2 U	201.2 UJ	39.8 R	40.2 R	41-OS-SB34-00	2/46
Aroclor 1242	UG/KG	36.2 U	201.2 UJ	39.8 R	82.9 J	41-OS-SB19-00	3/46
Aroclor 1248	UG/KG	36.2 U	201.2 UJ	39.8 R	40.2 R	41-OS-SB34-00	2/46
Aroclor 1254	UG/KG	36.2 U	201.2 UJ	39.8 R	40.2 R	41-OS-SB34-00	2/46
Aroclor 1260	UG/KG	36.2 U	201.2 UJ	39.8 R	58.4 J	41-OS-SB23-00	3/46

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 DOWNSLOPE AND ONSITE SURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:
 Laboratory Sample ID:
 Date Sampled:

Percent Solids		MINIMUM NONDETECTED	MAXIMUM NONDETECTED	MINIMUM DETECTED	MAXIMUM DETECTED	LOCATION OF MAXIMUM DETECTED	FREQUENCY OF DETECTION
<u>CHEMICAL SURETY</u>							
Acetophenone	UG/KG	363 U	16200 U	ND	ND		0/36
Chloroacetophenone	UG/KG	363 U	16200 U	ND	ND		0/36
Hydroxyacetophenone	UG/KG	1820 U	80800 U	ND	ND		0/36
Bis(2'-chloroethyl)disulfide	UG/KG	1820 U	80800 U	ND	ND		0/36
Bis(2'-chloroethyl)trisulfide	UG/KG	1820 U	80800 U	ND	ND		0/36
1,4-Dithiane	UG/KG	363 U	16200 U	ND	ND		0/36
1,4-Oxathiane	UG/KG	363 U	16200 U	ND	ND		0/36
<u>THIODIGLYCOL</u>							
Thiodiglycol	MG/KG	6.81 U	8.25 U	ND	ND		0/36
<u>ORDNANCE</u>							
1,3,5-Trinitrobenzene	UG/KG	40.2 UJ	40.2 UJ	40.2 R	40.2 R	41-OS-SB24-00	4/36
1,3-Dinitrobenzene	UG/KG	37.2 UJ	37.2 UJ	37.2 R	824 NJ	41-DS-SB03-00	5/36
2,4,6-Trinitrotoluene	UG/KG	35.6 UJ	35.6 UJ	35.6 R	35.6 R	41-OS-SB24-00	4/36
2,4-Dinitrotoluene	UG/KG	51.6 UJ	51.6 UJ	51.6 R	51.6 R	41-OS-SB24-00	4/36
2,6-Dinitrotoluene	UG/KG	47.6 UJ	47.6 UJ	47.6 R	47.6 R	41-OS-SB24-00	4/36
2-Amino-4,6-dinitrotoluene	UG/KG	46.7 UJ	46.7 UJ	46.7 R	46.7 R	41-OS-SB24-00	4/36
2-Nitrotoluene	UG/KG	81.4 UJ	81.4 UJ	81.4 R	81.4 R	41-OS-SB24-00	4/36
3-Nitrotoluene	UG/KG	81.7 UJ	81.7 UJ	81.7 R	81.7 R	41-OS-SB24-00	4/36
4-Amino-2,6-dinitrotoluene	UG/KG	40.8 UJ	40.8 UJ	40.8 R	40.8 R	41-OS-SB24-00	4/36
4-Nitrotoluene	UG/KG	87.2 UJ	87.2 UJ	87.2 R	87.2 R	41-OS-SB24-00	4/36
HMX	UG/KG	70.5 UJ	70.5 UJ	70.5 R	70.5 R	41-OS-SB24-00	4/36
Nitrobenzene	UG/KG	35.2 UJ	35.2 UJ	35.2 R	35.2 R	41-OS-SB24-00	4/36
RDX	UG/KG	50.9 UJ	50.9 UJ	50.9 R	50.9 R	41-OS-SB24-00	4/36
Tetryl	UG/KG	163 UJ	163 UJ	163 R	163 R	41-OS-SB24-00	4/36
<u>MIREX</u>							
Mirex	UG/KG	371 U	80800 U	ND	ND		0/39

APPENDIX O.2
SITE 41 DOWNSLOPE AND ON-SITE SURFACE SOIL INORGANICS

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 DOWNSLOPE AND ONSITE SURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 TAL INORGANICS

Client Sample ID:	41-DS-SB01-00	41-DS-SB02-00	41-DS-SB03-00	41-DS-SB04-00	41-DS-SB05-00	41-DS-SB06-00	
Laboratory Sample ID:	9402042-10A	9402043-09	9402043-10	9402042-11A	9402042-12A	9402042-13A	
Date Sampled:							
Percent Solids	87.1	85.5	77.2	89.9	88.3	86.9	
	UNITS						
Aluminum	MG/KG	4080 J	2650	3140	1430 J	3390 J	4190 J
Antimony	MG/KG	1.81 UJ	1.85 UJ	2.18 J	1.76 UJ	1.79 UJ	1.82 UJ
Arsenic	MG/KG	0.998	0.678 UJ	0.751 U	0.645 U	0.657 U	0.667 U
Barium	MG/KG	4.32	6.53	7.47	3.78	13.6	11.9
Beryllium	MG/KG	0.174 U	0.19 U	0.21 U	0.169 U	0.172 U	0.175 U
Cadmium	MG/KG	0.732 U	0.746 U	0.826 U	0.71 U	0.722 U	0.734 U
Calcium	MG/KG	165	135	162	37.2	32.4 U	32.9 U
Chromium	MG/KG	5.44	1.94 U	2.85	1.85 U	2.25	2.68
Cobalt	MG/KG	3.67 U	3.74 U	4.14 U	3.56 U	3.62 U	3.68 U
Copper	MG/KG	3.74 U	3.81 U	4.22 U	3.63 U	3.69 U	3.75 U
Iron	MG/KG	3540 J	1600	722	849 J	2080 J	1720 J
Lead	MG/KG	3.67 J	4.67 J	9.66 J	2.57 J	6.61 J	6.79 J
Magnesium	MG/KG	93	96.3	75.6	32.5	64.2	85
Manganese	MG/KG	1.67 J	6.27	3.63	1.58 UJ	4.89 J	10.5 J
Mercury	MG/KG	0.09 U	0.077	0.108	0.115 U	0.102 U	0.114 U
Nickel	MG/KG	6.6 U	6.7 U	7.5 U	6.4 U	6.5 U	6.6 U
Potassium	MG/KG	171 U	201	193 U	166 U	169 U	171 U
Selenium	MG/KG	0.581 UJ	0.592 U	0.655 UJ	0.563 U	0.573 U	0.582 U
Silver	MG/KG	0.367 UJ	0.374 U	0.414 U	0.356 UJ	0.362 UJ	0.368 UJ
Sodium	MG/KG	82.4 U	84 U	93 U	79.9 U	81.3 U	82.6 U
Thallium	MG/KG	1.06 U	1.08 U	1.19 U	1.02 U	1.04 U	1.06 U
Vanadium	MG/KG	10.8	4.77 U	5.28 U	4.54 U	4.62	6.32
Zinc	MG/KG	6.16	6.21	5.19	4.21	6.81	6.65
Total Cyanide	MG/KG	1.15	1.17	1.3	1.11	1.13	1.15

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 DOWNSLOPE AND ONSITE SURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 TAL INORGANICS

	41-DS-SB07-00	41-DS-SB08-00	41-DS-SB09-00	41-DS-SB10-00	41-DS-SB11-00	41-DS-SB12-00	
Client Sample ID:	41-DS-SB07-00	41-DS-SB08-00	41-DS-SB09-00	41-DS-SB10-00	41-DS-SB11-00	41-DS-SB12-00	
Laboratory Sample ID:	9402042-14A	9402043-07	9402042-15A	9402042-16A	9402042-17A	9402042-18A	
Date Sampled:							
Percent Solids	83	83.5	87.5	75.7	87.5	86.8	
	UNITS						
Aluminum	MG/KG	5850 J	5690	2580 J	2670 J	4640	4430 J
Antimony	MG/KG	1.9 UJ	1.89 UJ	1.8 UJ	2.09 UJ	1.8 U	1.82 UJ
Arsenic	MG/KG	0.699 U	0.695 U	0.663 U	0.766 U	0.663 U	1.26
Barium	MG/KG	14.2	13.2	7.28	17.9	8.12	15.9
Beryllium	MG/KG	0.215	0.19 U	0.174 U	0.201 U	0.174 U	0.175 U
Cadmium	MG/KG	0.769 U	0.764 U	0.729 U	0.843 U	0.729 U	0.735 U
Calcium	MG/KG	66	104	42.2	830	806	32.9 U
Chromium	MG/KG	6.26	5.09	1.9 U	2.63	3.76	3.86
Cobalt	MG/KG	3.86 U	3.83 U	3.66 U	4.23 U	3.66 U	3.69 U
Copper	MG/KG	3.93 U	3.9 U	3.72 U	4.31 U	3.72 U	3.76 U
Iron	MG/KG	4060 J	2790	1330 J	1820 J	2040	1840 J
Lead	MG/KG	6.42 J	9.09 J	5.43 J	10 J	6.19	10.7 J
Magnesium	MG/KG	155	181	45.4	79.7	75	102
Manganese	MG/KG	7.46 J	11.3	6.06 J	6.4	10.1	9.32
Mercury	MG/KG	0.111 U	0.074	0.093 U	0.178 U	0.106	0.115
Nickel	MG/KG	6.9 U	6.9 U	6.6 U	7.6 U	6.6 U	6.6 U
Potassium	MG/KG	180 U	206	170 U	197 U	170 U	172 U
Selenium	MG/KG	0.61 UJ	0.606 U	0.578 U	0.668 UJ	0.578 U	0.583 U
Silver	MG/KG	0.386 UJ	0.383 U	0.366 UJ	18.3 J	0.366 U	0.369 UJ
Sodium	MG/KG	86.5 U	86 U	82 U	94.8 U	82 U	82.7 U
Thallium	MG/KG	1.11 U	1.1 U	1.05 U	1.22 U	1.05 U	1.06 U
Vanadium	MG/KG	9.38	6.2	4.66 U	5.9	6.67	5.78
Zinc	MG/KG	8.65	9.11	5.41	8.35	5.26	6.76
Total Cyanide	MG/KG	1.57	1.2	1.14	1.32	1.49	1.15

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 DOWNSLOPE AND ONSITE SURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 TAL INORGANICS

Client Sample ID:	41-OS-SB01-00	41-OS-SB02-00	41-OS-SB03-00	41-OS-SB04-00	41-OS-SB05-00	41-OS-SB06-00	
Laboratory Sample ID:	9402021-01	9402021-06	9402021-10	9402086-04	9402042-01A	9402086-01	
Date Sampled:							
Percent Solids	84.7	86.8	82.6	90.3	91.6	86.1	
	<u>UNITS</u>						
Aluminum	MG/KG	14200	7890	6770	981	1440 J	2710
Antimony	MG/KG	1.86 U	1.82 U	1.91 U	1.64 U	1.72 UJ	1.68 U
Arsenic	MG/KG	2.22	1.79	1.73	0.465 U	0.633 U	0.477 U
Barium	MG/KG	19.1	12.1	21.7	3.14	5.42	8.49
Beryllium	MG/KG	0.2	0.184 U	0.193 U	0.221	0.166 U	0.172 U
Cadmium	MG/KG	0.76 U	0.74 U	0.77 U	0.706 U	0.696 U	0.724 U
Calcium	MG/KG	1700	547	16600	297	251	4700
Chromium	MG/KG	17.3	9.72	9.21	2.39 J	2.19	4.05 J
Cobalt	MG/KG	3.8 U	3.7 U	3.9 U	3.54 U	3.49 U	3.63 U
Copper	MG/KG	3.8 U	3.8 U	3.9 U	3.61 U	3.56 U	6.4
Iron	MG/KG	12200	4900	5040	451	1060 J	2050
Lead	MG/KG	7.31	6.57	37.1	3.37	4.43 J	12.7
Magnesium	MG/KG	358	236	468	39.3	43.6	130
Manganese	MG/KG	8.84	4.68	18.9	2.17	1.85 J	6.65
Mercury	MG/KG	0.059 U	0.058 U	0.084	0.055 U	0.054 U	0.057 U
Nickel	MG/KG	6.8 U	6.6 U	7 U	6.38 U	6.3 U	6.54 U
Potassium	MG/KG	391	298	227	165 U	163 U	169 U
Selenium	MG/KG	0.59 U	0.58 U	0.61 U	0.332 U	0.552 U	0.357
Silver	MG/KG	0.096	0.092 U	0.097 U	0.354 UJ	0.349 UJ	0.363 UJ
Sodium	MG/KG	43.9 U	42.8 U	45 U	84.7	78.4 U	86.8
Thallium	MG/KG	1.1 U	1.1 U	1.1 U	0.642 U	1 U	0.658 U
Vanadium	MG/KG	26.3	14.1	11.7	4.52 U	4.45 U	5.91
Zinc	MG/KG	9.02	7.92	50	3.8 U	4.89	11.4
Total Cyanide	MG/KG	1.18	1.15	1.21	1.11	1.09	1.14

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 DOWNSLOPE AND ONSITE SURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 TAL INORGANICS

Client Sample ID:	41-OS-SB07-00	41-OS-SB08-00	41-OS-SB09-00	41-OS-SB10-00	41-OS-SB11-00	41-OS-SB12-00	
Laboratory Sample ID:	9402042-05A	9402086-09	9402042-03A	9402064-04	9402086-07	9402042-08A	
Date Sampled:							
Percent Solids	86.2	86.3	89	84.3	84.8	76.8	
	<u>UNITS</u>						
Aluminum	MG/KG	4710 J	4070	3970 J	3320	3260	17400 J
Antimony	MG/KG	1.83 UJ	1.71 U	1.78 UJ	1.76 U	2.57	2.06 UJ
Arsenic	MG/KG	0.721	0.487 U	0.652 U	1.02	0.495 U	3.54
Barium	MG/KG	12.9	24.8	13.3	29.3	27.2	82.2
Beryllium	MG/KG	0.208	0.188	0.171 U	0.295	0.179 U	0.238
Cadmium	MG/KG	0.74 U	1.23	0.717 U	0.757 U	1.84	7.44
Calcium	MG/KG	1170	1590	2060	4750	1190	8970
Chromium	MG/KG	8.77	7.32 J	5.42	7.47 J	8.34 J	41.4
Cobalt	MG/KG	3.71 U	3.71 U	3.6 U	3.8 U	3.77 U	6.46
Copper	MG/KG	4.17	12.9	7.42	44.5	30.7	132
Iron	MG/KG	5970 J	6590	3040 J	4660	4800	91600 J
Lead	MG/KG	9.56 J	52.3	66.7 J	212	101	341 J
Magnesium	MG/KG	157	144	156	221	104	426
Manganese	MG/KG	7.11 J	37.3	12.5 J	30.6	55.8	6000 J
Mercury	MG/KG	0.085 U	0.205	0.131 U	0.073	0.316	0.768
Nickel	MG/KG	6.7 U	6.67 U	6.5 U	6.83 U	6.79 U	35.3
Potassium	MG/KG	173 U	173 U	167 U	177 U	176 U	196
Selenium	MG/KG	0.587 U	0.348 U	0.568 U	0.467	0.354 U	0.659 U
Silver	MG/KG	0.371 UJ	0.371 UJ	0.36 UJ	0.38 UJ	0.377 UJ	0.903 J
Sodium	MG/KG	83.3 U	88.6	80.7 U	142	192	230
Thallium	MG/KG	1.07 U	0.672 U	1.03 U	0.688 U	0.684 U	1.2 U
Vanadium	MG/KG	17.9	7.69	8.01	9.16	9.4	27
Zinc	MG/KG	8.58	163	34.8	158	196	14600
Total Cyanide	MG/KG	1.16	1.16	1.12	1.19	1.18	1.32

FREQUENCY OF DETECTION SUMMARY
OPERABLE UNIT NO. 4 (SITE 41)
DOWNSLOPE AND ONSITE SURFACE SOIL
MCB CAMP LEJEUNE, NORTH CAROLINA
REMEDIAL INVESTIGATION - CTO-0212
TAL INORGANICS

	Client Sample ID:	41-OS-SB13-00	41-OS-SB14-00	41-OS-SB15-00	41-OS-SB16-00	41-OS-SB17-00	41-OS-SB18-00
	Laboratory Sample ID:	9402052-08	9402064-01	9402070-01	9402043-05	9402052-03	9402061-01
	Date Sampled:						
	Percent Solids	87.1	81.9	83.8	83.6	83.9	88.2
	UNITS						
Aluminum	MG/KG	1510	2830	2860	4250	12800	3060
Antimony	MG/KG	1.81 UJ	1.81 U	1.77 U	1.89 UJ	1.88 UJ	1.79 UJ
Arsenic	MG/KG	0.666 U	1.14 J	1.16	0.694 U	4.42	0.819
Barium	MG/KG	5.71	17.3	14.1	9.84	25.5	13.3
Beryllium	MG/KG	0.174 U	0.344	0.322	0.19 U	0.191	0.172 U
Cadmium	MG/KG	0.732 U	0.779 U	0.761 U	0.763 U	0.854	0.723 U
Calcium	MG/KG	117	612	1240	685	40300	306
Chromium	MG/KG	2.68	9.95 J	7.08 J	5.22	20.3	4.67
Cobalt	MG/KG	3.67 U	3.91 U	3.82 U	3.83 U	3.81 U	3.63 U
Copper	MG/KG	3.74 U	10.2	7.42	3.9 U	13.6 J	14 J
Iron	MG/KG	397	4520	3980	2580	12100	2700
Lead	MG/KG	6.38	59.7	52.8	14.3 J	116	17.3
Magnesium	MG/KG	53.1	502	99.2	158	1100	106
Manganese	MG/KG	1.69	43.4	12.4	5.19	41.9	7.67
Mercury	MG/KG	0.086	0.129	0.06 U	0.081	0.187	0.196 U
Nickel	MG/KG	6.61 U	7.48	6.87 U	6.9 U	7.36	6.53 U
Potassium	MG/KG	115 U	182 U	178 U	178 U	547	113 U
Selenium	MG/KG	0.581 U	0.366 U	0.596	0.605 U	0.603 U	0.574 U
Silver	MG/KG	0.367 UJ	0.391 UJ	0.382 UJ	0.383 U	0.381 UJ	0.363 UJ
Sodium	MG/KG	42.7 UJ	87.7 U	85.7 U	174	44.3 UJ	42.2 UJ
Thallium	MG/KG	1.06 U	0.708 U	0.692 U	1.1 U	1.1 U	1.04 U
Vanadium	MG/KG	4.68 U	39.8	7.93	9.68	24.8	7.35
Zinc	MG/KG	13.1 J	62.6	31.6	15.2	94.6 J	33.3 J
Total Cyanide	MG/KG	1.15	1.22	1.19	1.2	1.19	1.13

FREQUENCY OF DETECTION SUMMARY
OPERABLE UNIT NO. 4 (SITE 41)
DOWNSLOPE AND ONSITE SURFACE SOIL
MCB CAMP LEJEUNE, NORTH CAROLINA
REMEDIAL INVESTIGATION - CTO-0212
TAL INORGANICS

Client Sample ID:	41-OS-SB19-00	41-OS-SB20-00	41-OS-SB21-00	41-OS-SB22-00	41-OS-SB23-00	41-OS-SB24-00
Laboratory Sample ID:	9402043-03	9402052-04	9402052-05	9402061-04	9402043-01	9402061-07
Date Sampled:						
Percent Solids	84.2	82.7	89	84.5	85.8	83.8

	UNITS					
Aluminum	MG/KG	4980	5140	2990	5640	4500
Antimony	MG/KG	1.88 UJ	1.91 UJ	1.78 UJ	1.87 UJ	1.84 UJ
Arsenic	MG/KG	1.92	1.51	0.652 U	0.909	0.68
Barium	MG/KG	16.4	14.1	9.9	16.3	13.8
Beryllium	MG/KG	0.19 U	0.184 U	0.171 U	0.187	0.19 U
Cadmium	MG/KG	0.758 U	1.48	0.717 U	0.755 U	0.744 U
Calcium	MG/KG	5020	1250	32.9	715	8380
Chromium	MG/KG	18.2	8.51	3.68	6.67	7.71
Cobalt	MG/KG	3.8 U	3.87 U	3.6 U	3.79 U	3.73 U
Copper	MG/KG	20.6	9.08 J	3.66 U	3.86 U	3.8 U
Iron	MG/KG	12400	4080	584	3030	4570
Lead	MG/KG	23.1 J	30.1	2.71	157	22.9 J
Magnesium	MG/KG	202	211	94.4	215	276
Manganese	MG/KG	53.8	22.8	1.59 U	11.4	13.7
Mercury	MG/KG	0.105	0.163 U	0.098	0.151 U	0.1
Nickel	MG/KG	7.41	6.96 U	6.47 U	6.82 U	6.7 U
Potassium	MG/KG	259	245	112 U	184	254
Selenium	MG/KG	0.601 U	0.612 UJ	0.568 U	0.599 U	0.59 U
Silver	MG/KG	0.38 U	0.387 UJ	0.36 UJ	0.379 UJ	0.373 U
Sodium	MG/KG	85.3 U	45 UJ	41.8 UJ	44 UJ	120
Thallium	MG/KG	1.09 U	1.11 U	1.03 U	1.09 U	1.07 U
Vanadium	MG/KG	8.26	10.7	4.58 U	6.8	8.62
Zinc	MG/KG	121	47.6 J	3.77 J	28.5 J	26.4
Total Cyanide	MG/KG	1.19	1.21	1.12	1.18	1.16

FREQUENCY OF DETECTION SUMMARY
OPERABLE UNIT NO. 4 (SITE 41)
DOWNSLOPE AND ONSITE SURFACE SOIL
MCB CAMP LEJEUNE, NORTH CAROLINA
REMEDIAL INVESTIGATION - CTO-0212
TAL INORGANICS

Client Sample ID:	41-OS-SB25-00	41-OS-SB26-00	41-OS-SB27-00	41-OS-SB28-00	41-OS-SB29-00	41-OS-SB30-00
Laboratory Sample ID:	9402088-01A	9402088-03A	9402088-05A	9402088-08A	9402071-03	9402071-05
Date Sampled:					02/05/94	02/05/94
Percent Solids	84.6	80.6	73	82.2	88.8	83.2

	UNITS					
Aluminum	MG/KG	6280	878	6300	1190	2760.0 J
Antimony	MG/KG	1.75 U	1.84 U	2.03 U	1.8 U	1.78 UJ
Arsenic	MG/KG	0.797	0.546 U	0.671	0.535 U	0.473 U
Barium	MG/KG	10.5	3.22	21.7	19.8	7.52
Beryllium	MG/KG	0.18 U	0.188 U	0.208 U	0.185 U	0.171 U
Cadmium	MG/KG	0.754 U	0.792 U	0.874 U	0.776 U	0.718 U
Calcium	MG/KG	56.7	174	2990	894	33.6 U
Chromium	MG/KG	8.93 J	2.79 J	7.96 J	3.21 J	1.87 U
Cobalt	MG/KG	3.78 U	3.97 U	4.38 U	3.89 U	3.60 U
Copper	MG/KG	3.85 U	4.04 U	4.46 U	3.96 U	3.67 U
Iron	MG/KG	4950 J	676 J	3190 J	481 J	1350.0 J
Lead	MG/KG	9.26 J	7.06 J	27.5 J	9.31 J	3.05
Magnesium	MG/KG	162	28.1	277	88.3	51.0
Manganese	MG/KG	2.46	1.97	30.6	8.52	4.08 J
Mercury	MG/KG	0.059 U	0.062 U	0.105	0.074	0.056 R
Nickel	MG/KG	6.8 U	7.1 U	7.9 U	7 U	6.50 U
Potassium	MG/KG	299	189 U	317	186 U	172.0 U
Selenium	MG/KG	0.355 U	0.372 U	0.411 U	0.365 U	0.570 U
Silver	MG/KG	0.378 U	0.397 U	0.438 U	1.42 U	0.360 U
Sodium	MG/KG	87 U	91.3 U	101 U	89.5 U	82.9 U
Thallium	MG/KG	0.686 U	0.72 U	0.794 U	0.706 U	1.04 U
Vanadium	MG/KG	13.9	5.06 U	9.96	4.96 U	4.59 U
Zinc	MG/KG	6 U	6.26 U	39.5	9.6 U	3.98
Total Cyanide	MG/KG	1.18	1.24	1.37	1.22	1.13

FREQUENCY OF DETECTION SUMMARY
OPERABLE UNIT NO. 4 (SITE 41)
DOWNSLOPE AND ONSITE SURFACE SOIL
MCB CAMP LEJEUNE, NORTH CAROLINA
REMEDIAL INVESTIGATION - CTO-0212
TAL INORGANICS

Client Sample ID:	41-OS-SB31-00	41-OS-SB32-00	41-OS-SB33-00	41-OS-SB34-00
Laboratory Sample ID:	9402088-10A	9402088-12A	9402071-08	9402088-15A
Date Sampled:			02/05/94	
Percent Solids	69.5	85.5	78.1	77.7

	<u>UNITS</u>				
Aluminum	MG/KG	3620	930	3150.0 J	2900
Antimony	MG/KG	2.13 U	1.73 U	2.02 UJ	1.9 U
Arsenic	MG/KG	0.633 U	0.515 U	0.538 U	0.566 U
Barium	MG/KG	27.8	5.69	11.2	9.12
Beryllium	MG/KG	0.219 U	0.178 U	0.195 U	0.196 U
Cadmium	MG/KG	0.918 U	0.746 U	0.817 U	0.821 U
Calcium	MG/KG	3190	329	179.0	745
Chromium	MG/KG	4.09 J	1.94 UJ	3.80	3.53 J
Cobalt	MG/KG	4.6 U	3.74 U	4.10 U	4.12 U
Copper	MG/KG	5.38	3.81 U	4.17 U	4.2 U
Iron	MG/KG	1230 J	874 J	1980.0 J	1150 J
Lead	MG/KG	12.7 J	15.3 J	7.73	15.8 J
Magnesium	MG/KG	203	51.4	133.0	55.7
Manganese	MG/KG	56.4	4.76	4.54 J	9.46
Mercury	MG/KG	0.097	0.058 U	0.064 R	0.064 U
Nickel	MG/KG	8.3 U	6.7 U	7.40 U	7.4 U
Potassium	MG/KG	220 U	178 U	195.0 U	196 U
Selenium	MG/KG	0.432 U	0.351 U	0.648 U	0.386 U
Silver	MG/KG	0.46 U	0.929 U	0.410 U	0.477 U
Sodium	MG/KG	106 U	86.1 U	94.2 U	94.7 U
Thallium	MG/KG	0.834 U	0.678 U	1.18 U	0.746 U
Vanadium	MG/KG	5.87 U	4.77 U	5.22 U	5.25 U
Zinc	MG/KG	28.5	13.1	26.4	49.5
Total Cyanide	MG/KG	1.44	1.17	1.28	1.29

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 DOWNSLOPE AND ONSITE SURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 TAL INORGANICS

Client Sample ID:
 Laboratory Sample ID:
 Date Sampled:
 Percent Solids

		MINIMUM	MAXIMUM	MINIMUM	MAXIMUM	LOCATION OF MAXIMUM DETECTED	FREQUENCY OF DETECTION
		NONDETECTED	NONDETECTED	DETECTED	DETECTED		
	<u>UNITS</u>						
Aluminum	MG/KG	NA	NA	878	17400 J	41-OS-SB12-00	46/46
Antimony	MG/KG	1.64 U	2.13 U	2.18 J	2.57	41-OS-SB11-00	2/46
Arsenic	MG/KG	0.465 U	0.766 U	0.671	4.42	41-OS-SB17-00	19/46
Barium	MG/KG	NA	NA	3.14	82.2	41-OS-SB12-00	46/46
Beryllium	MG/KG	0.166 U	0.219 U	0.187	0.344	41-OS-SB14-00	12/46
Cadmium	MG/KG	0.696 U	0.918 U	0.854	7.44	41-OS-SB12-00	5/46
Calcium	MG/KG	32.4 U	33.6 U	32.9	40300	41-OS-SB17-00	42/46
Chromium	MG/KG	1.85 U	1.94 U	2.19	41.4	41-OS-SB12-00	41/46
Cobalt	MG/KG	3.49 U	4.6 U	6.46	6.46	41-OS-SB12-00	1/46
Copper	MG/KG	3.56 U	4.46 U	4.17	132	41-OS-SB12-00	15/46
Iron	MG/KG	NA	NA	397	91600 J	41-OS-SB12-00	46/46
Lead	MG/KG	NA	NA	2.57 J	341 J	41-OS-SB12-00	46/46
Magnesium	MG/KG	NA	NA	28.1	1100	41-OS-SB17-00	46/46
Manganese	MG/KG	1.58 UJ	1.59 U	1.67 J	6000 J	41-OS-SB12-00	44/46
Mercury	MG/KG	0.054 U	0.196 U	0.056 R	0.768	41-OS-SB12-00	23/46
Nickel	MG/KG	6.3 U	8.3 U	7.36	35.3	41-OS-SB12-00	4/46
Potassium	MG/KG	112 U	220 U	184	547	41-OS-SB17-00	14/46
Selenium	MG/KG	0.332 U	0.668 UJ	0.357	0.596	41-OS-SB15-00	3/46
Silver	MG/KG	0.092 U	1.42 U	0.096	18.3 J	41-OS-SB10-00	3/46
Sodium	MG/KG	41.8 UJ	106 U	84.7	230	41-OS-SB12-00	8/46
Thallium	MG/KG	0.642 U	1.22 U	ND	ND		0/46
Vanadium	MG/KG	4.45 U	5.87 U	4.62	39.8	41-OS-SB14-00	31/46
Zinc	MG/KG	3.8 U	9.6 U	3.77 J	14600	41-OS-SB12-00	42/46
Total Cyanide	MG/KG	NA	NA	1.09	1.57	41-DS-SB07-00	46/46

APPENDIX O.3
SITE 41 ON-SITE SUBSURFACE SOIL ORGANICS

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 ONSITE SUBSURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-OS-SB01-02	41-OS-SB01-05	41-OS-SB02-02	41-OS-SB02-03	41-OS-SB03-01	41-OS-SB04-02
Laboratory Sample ID:	9402021-02	9402021-03	9402021-08	9402021-09	9402021-11	9402086-05
Date Sampled:						
Percent Solids	83.4	88.8	88	93.5	82.8	87.6
SEMIVOLATILES						
1,2-Dichlorobenzene	UG/KG	396 U	367 U	376 U	356 U	399 U
1,2,4-Trichlorobenzene	UG/KG	396 U	367 U	376 U	356 U	399 U
1,3-Dichlorobenzene	UG/KG	396 U	367 U	376 U	356 U	399 U
1,4-Dichlorobenzene	UG/KG	396 U	367 U	376 U	356 U	399 U
2-Chloronaphthalene	UG/KG	396 U	367 U	376 U	356 U	399 U
2-Chlorophenol	UG/KG	396 U	367 U	376 U	356 U	399 U
2-Methylnaphthalene	UG/KG	396 U	367 U	376 U	356 U	399 U
2-Methylphenol	UG/KG	396 U	367 U	376 U	356 U	399 U
2-Nitroaniline	UG/KG	960 U	889 U	912 U	864 U	968 U
2-Nitrophenol	UG/KG	396 U	367 U	376 U	356 U	399 U
2,2'-oxybis-(1-chloropropane)	UG/KG	396 U	367 U	376 U	356 U	399 U
2,4-Dichlorophenol	UG/KG	396 U	367 U	376 U	356 U	399 U
2,4-Dimethylphenol	UG/KG	396 U	367 U	376 U	356 U	399 U
2,4-Dinitrophenol	UG/KG	960 U	889 U	912 U	864 U	968 U
2,4-Dinitrotoluene	UG/KG	396 U	367 U	376 U	356 U	399 U
2,4,5-Trichlorophenol	UG/KG	960 U	889 U	912 U	864 U	968 U
2,4,6-Trichlorophenol	UG/KG	396 U	367 U	376 U	356 U	399 U
2,6-Dinitrotoluene	UG/KG	396 U	367 U	376 U	356 U	399 U
3-Nitroaniline	UG/KG	960 U	889 U	912 U	864 U	968 U
3,3'-Dichlorobenzidine	UG/KG	396 U	367 U	376 U	356 U	399 U
4-Bromophenyl-phenylether	UG/KG	396 U	367 U	376 U	356 U	399 U
4-Chloro-3-methylphenol	UG/KG	396 U	367 U	376 U	356 U	399 U
4-Chloroaniline	UG/KG	396 U	367 U	376 U	356 U	399 U
4-Chlorophenyl phenyl ether	UG/KG	396 U	367 U	376 U	356 U	399 U
4-Methylphenol	UG/KG	396 U	367 U	376 U	356 U	399 U
4-Nitroaniline	UG/KG	960 U	889 U	912 U	864 R	968 R
4-Nitrophenol	UG/KG	960 U	889 U	912 U	864 U	968 U
4,6-Dinitro-2-methylphenol	UG/KG	960 U	889 U	912 U	864 U	968 U
Acenaphthene	UG/KG	396 U	367 U	376 U	356 U	399 U
Acenaphthylene	UG/KG	396 U	367 U	376 U	356 U	399 U
Anthracene	UG/KG	396 U	367 U	376 U	356 U	399 U
Benzo[a]anthracene	UG/KG	396 U	367 U	376 U	356 U	399 U
Benzo[a]pyrene	UG/KG	396 U	367 U	376 U	356 U	399 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 ONSITE SUBSURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-OS-SB01-02	41-OS-SB01-05	41-OS-SB02-02	41-OS-SB02-03	41-OS-SB03-01	41-OS-SB04-02
Laboratory Sample ID:	9402021-02	9402021-03	9402021-08	9402021-09	9402021-11	9402086-05
Date Sampled:						
Percent Solids	83.4	88.8	88	93.5	82.8	87.6

SEMIVOLATILES Cont.

Benzo[b]fluoranthene	UG/KG	396 U	367 U	376 U	356 U	399 U	376 U
Benzo[g,h,i]perylene	UG/KG	396 U	367 U	376 U	356 U	399 U	376 U
Benzo[k]fluoranthene	UG/KG	396 U	367 U	376 U	356 U	399 U	376 U
bis(2-Chloroethoxy) methane	UG/KG	396 U	367 U	376 U	356 U	399 U	376 U
bis(2-Chloroethyl) ether	UG/KG	396 U	367 U	376 U	356 U	800	376 U
bis(2-Ethylhexyl)phthalate	UG/KG	230 J	367 U	40 J	39 J	399 U	376 U
Butyl benzyl phthalate	UG/KG	396 U	367 U	376 U	356 U	399 U	376 U
Carbazole	UG/KG	396 U	367 U	376 U	356 U	399 U	376 U
Chrysene	UG/KG	396 U	367 U	376 U	356 U	399 U	376 U
Dibenzofuran	UG/KG	396 U	367 U	376 U	356 U	399 U	376 U
Dibenz[a,h]anthracene	UG/KG	396 U	367 U	376 U	356 U	399 U	376 U
Diethylphthalate	UG/KG	396 U	367 U	376 U	356 U	399 U	376 U
Dimethyl phthalate	UG/KG	396 U	367 U	376 U	356 U	399 U	376 U
di-n-Butylphthalate	UG/KG	200 J	180 J	230 J	87 J	110 J	43 J
di-n-Octylphthalate	UG/KG	396 U	367 U	376 U	356 U	399 U	376 U
Fluoranthene	UG/KG	396 U	367 U	376 U	356 U	399 U	376 U
Fluorene	UG/KG	396 U	367 U	376 U	356 U	399 U	376 U
Hexachlorobenzene	UG/KG	396 U	367 U	376 U	356 U	399 U	376 U
Hexachlorobutadiene	UG/KG	396 U	367 U	376 U	356 U	399 U	376 U
Hexachlorocyclopentadiene	UG/KG	396 U	367 U	376 U	356 U	399 U	376 U
Hexachloroethane	UG/KG	396 U	367 U	376 U	356 U	399 U	376 U
Indeno[1,2,3-cd]pyrene	UG/KG	396 U	367 U	376 U	356 U	399 U	376 U
Isophorone	UG/KG	396 U	367 U	376 U	356 U	399 U	376 U
Naphthalene	UG/KG	396 U	367 U	376 U	356 U	399 U	376 U
Nitrobenzene	UG/KG	396 U	367 U	376 U	356 U	399 U	376 U
N-Nitroso-di-n-propylamine	UG/KG	396 U	367 U	376 U	356 U	399 U	376 U
N-nitrosodiphenylamine	UG/KG	396 U	367 U	376 U	356 U	399 U	376 U
Pentachlorophenol	UG/KG	960 U	889 U	912 U	864 U	968 U	912 U
Phenanthrene	UG/KG	396 U	367 U	376 U	356 U	399 U	376 U
Phenol	UG/KG	396 U	367 U	376 U	356 U	399 U	376 U
Pyrene	UG/KG	396 U	367 U	376 U	356 U	399 U	376 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 ONSITE SUBSURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-OS-SB01-02	41-OS-SB01-05	41-OS-SB02-02	41-OS-SB02-03	41-OS-SB03-01	41-OS-SB04-02	
Laboratory Sample ID:	9402021-02	9402021-03	9402021-08	9402021-09	9402021-11	9402086-05	
Date Sampled:							
Percent Solids	83.4	88.8	88	93.5	82.8	87.6	
VOLATILES							
Chloromethane	UG/KG	3 J	2 J	11.4 U	10.6 U	12 U	11 U
Bromomethane	UG/KG	12 U	11.2 U	11.4 U	10.6 U	12 U	11 U
Vinyl chloride	UG/KG	12 U	11.2 U	11.4 U	10.6 U	12 U	11 U
Chloroethane	UG/KG	12 U	11.2 U	11.4 U	10.6 U	12 U	11 U
Methylene chloride	UG/KG	16 U	11 U	11 U	11 U	12 U	5 J
Acetone	UG/KG	12 U	11.2 U	9 J	11 J	12 UJ	54 J
Carbon Disulfide	UG/KG	12 U	11.2 U	11.4 U	10.6 U	12 U	11 U
1,1-Dichloroethene	UG/KG	12 U	11.2 U	11.4 U	10.6 U	12 U	11 U
1,1-Dichloroethane	UG/KG	12 U	11.2 U	11.4 U	10.6 U	12 U	11 U
1,2-Dichloroethene(total)	UG/KG	12 U	11.2 U	11.4 U	10.6 U	12 U	11 U
Chloroform	UG/KG	12 U	11.2 U	11.4 U	10.6 U	12 U	11 U
1,2-Dichloroethane	UG/KG	12 U	11.2 U	11.4 U	10.6 U	12 U	11 U
2-Butanone	UG/KG	12 U	11.2 U	11.4 U	10.6 U	12 U	11 U
1,1,1-Trichloroethane	UG/KG	12 U	11.2 U	11.4 U	10.6 U	12 U	11 U
Carbon tetrachloride	UG/KG	12 U	11.2 U	11.4 U	10.6 U	12 U	11 U
Bromodichloromethane	UG/KG	12 U	11.2 U	11.4 U	10.6 U	12 U	11 U
1,2-Dichloropropane	UG/KG	12 U	11.2 U	11.4 U	10.6 U	12 U	11 U
cis-1,3-Dichloropropene	UG/KG	12 U	11.2 U	11.4 U	10.6 U	12 U	11 U
Trichloroethene	UG/KG	12 U	11.2 U	1 J	10.6 U	12 U	11 U
Dibromochloromethane	UG/KG	12 U	11.2 U	11.4 U	10.6 U	12 U	11 U
1,1,2-Trichloroethane	UG/KG	12 U	11.2 U	11.4 U	10.6 U	12 U	11 U
Benzene	UG/KG	12 U	11.2 U	11.4 U	10.6 U	12 U	11 U
trans-1,3-Dichloropropene	UG/KG	12 U	11.2 U	11.4 U	10.6 U	12 U	11 U
Bromoform	UG/KG	12 U	11.2 U	11.4 U	10.6 U	12 U	11 U
4-Methyl-2-pentanone	UG/KG	12 U	11.2 U	11.4 U	10.6 U	12 U	11 U
2-Hexanone	UG/KG	12 U	11.2 U	11.4 U	10.6 U	12 U	11 U
Tetrachloroethene	UG/KG	12 U	11.2 U	11.4 U	10.6 U	12 U	11 U
1,1,2,2-Tetrachloroethane	UG/KG	12 U	11.2 U	11.4 U	10.6 U	12 U	11 U
Toluene	UG/KG	12 U	11.2 U	11.4 U	10.6 U	12 U	11 U
Chlorobenzene	UG/KG	12 U	11.2 U	11.4 U	10.6 U	12 U	11 U
Ethylbenzene	UG/KG	12 U	11.2 U	11.4 U	10.6 U	12 U	11 U
Styrene	UG/KG	12 U	11.2 U	11.4 U	10.6 U	12 U	11 U
Xylenes (total)	UG/KG	12 U	11.2 U	11.4 U	10.6 U	12 U	11 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 ONSITE SUBSURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-OS-SB01-02	41-OS-SB01-05	41-OS-SB02-02	41-OS-SB02-03	41-OS-SB03-01	41-OS-SB04-02	
Laboratory Sample ID:	9402021-02	9402021-03	9402021-08	9402021-09	9402021-11	9402086-05	
Date Sampled:							
Percent Solids	83.4	88.8	88	93.5	82.8	87.6	
PESTICIDE/PCBS							
alpha-BHC	UG/KG	2.05 UJ	1.91 UJ	1.93 UJ	1.83 UJ	2.05 UJ	1.93 R
beta-BHC	UG/KG	2.05 U	1.91 U	1.93 U	1.83 U	2.05 U	1.93 R
delta-BHC	UG/KG	2.05 UJ	1.91 UJ	1.93 UJ	1.83 UJ	2.05 UJ	1.93 R
Lindane (gamma-BHC)	UG/KG	2.05 U	1.91 U	1.93 U	1.83 U	2.05 U	1.93 R
Heptachlor	UG/KG	2.05 U	1.91 U	1.93 U	1.83 U	18	1.93 R
Aldrin	UG/KG	2.05 U	1.91 U	1.93 U	1.83 U	2.05 U	1.93 R
Heptachlor epoxide	UG/KG	2.05 U	1.91 U	1.93 U	1.83 U	11.5 J	1.93 R
Endosulfan I	UG/KG	2.05 U	1.91 U	1.93 U	1.83 U	2.05 U	1.93 R
Dieldrin	UG/KG	3.98 U	3.71 U	3.75 U	3.55 U	3.98 U	3.75 R
4,4'-DDE	UG/KG	3.98 U	3.71 U	3.75 U	3.55 U	38 J	3.75 R
Endrin	UG/KG	3.98 U	3.71 U	3.75 U	3.55 U	4.25 NJ	3.75 R
Endosulfan II	UG/KG	3.98 U	3.71 U	3.75 U	3.55 U	3.98 U	3.75 R
4,4'-DDD	UG/KG	3.98 U	3.71 U	3.75 U	3.55 U	3.98 U	3.75 R
Endosulfan sulfate	UG/KG	3.98 U	3.71 U	3.75 U	3.55 U	3.98 U	3.75 R
4,4'-DDT	UG/KG	3.98 U	3.71 U	3.75 U	3.55 U	46 J	3.75 R
Methoxychlor	UG/KG	20.5 U	0.9 UJ	19.3 U	18.3 U	20.5 U	19.3 R
Endrin ketone	UG/KG	3.98 U	3.71 U	3.75 U	3.55 U	3.98 U	3.75 R
Endrin aldehyde	UG/KG	3.98 U	3.71 U	3.75 U	3.55 U	3.98 U	3.75 R
alpha-Chlordane	UG/KG	2.05 U	1.91 U	1.93 U	1.83 U	160 J	1.93 R
gamma-Chlordane	UG/KG	2.05 U	1.91 U	1.93 U	1.83 U	170 J	1.93 R
Toxaphene	UG/KG	205 U	191 U	193 U	183 U	205 U	193 R
Aroclor 1016	UG/KG	39.8 U	37.1 U	37.5 U	35.5 U	39.8 U	37.5 R
Aroclor 1221	UG/KG	80.7 U	75.3 U	76.1 U	72 U	80.7 U	76.1 R
Aroclor 1232	UG/KG	39.8 U	37.1 U	37.5 U	35.5 U	39.8 U	37.5 R
Aroclor 1242	UG/KG	39.8 U	37.1 U	37.5 U	35.5 U	39.8 U	37.5 R
Aroclor 1248	UG/KG	39.8 U	37.1 U	37.5 U	35.5 U	39.8 U	37.5 R
Aroclor 1254	UG/KG	39.8 U	37.1 U	37.5 U	35.5 U	39.8 U	37.5 R
Aroclor 1260	UG/KG	39.8 U	37.1 U	37.5 U	35.5 U	39.8 U	37.5 R

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 ONSITE SUBSURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-OS-SB01-02	41-OS-SB01-05	41-OS-SB02-02	41-OS-SB02-03	41-OS-SB03-01	41-OS-SB04-02	
Laboratory Sample ID:	9402021-02	9402021-03	9402021-08	9402021-09	9402021-11	9402086-05	
Date Sampled:							
Percent Solids	83.4	88.8	88	93.5	82.8	87.6	
CHEMICAL SURETY							
Acetophenone	UG/KG	396 U	367 U	376 U	356 U	399 U	376 U
Chloroacetophenone	UG/KG	396 U	367 U	376 U	356 U	399 U	376 U
Hydroxyacetophenone	UG/KG	1980 U	1830 U	1880 U	1780 U	2000 U	1880 U
Bis(2'-chloroethyl)disulfide	UG/KG	1980 U	1830 U	1880 U	1780 U	2000 U	1880 U
Bis(2'-chloroethyl)trisulfide	UG/KG	1980 U	1830 U	1880 U	1780 U	2000 U	1880 U
1,4-Dithiane	UG/KG	396 U	367 U	376 U	356 U	399 U	376 U
1,4-Oxathiane	UG/KG	396 U	367 U	376 U	356 U	399 U	376 U
THIODIGLYCOL							
Thiodiglycol	MG/KG	7.5 U	7.06 U	7.12 U	6.69 U	7.56 U	7.12 U
ORDNANCE							
1,3,5-Trinitrobenzene	UG/KG	40.2 U	40.2 U	40.2 U	40.2 U	40.2 U	40.2 R
1,3-Dinitrobenzene	UG/KG	37.2 U	37.2 U	37.2 U	37.2 U	37.2 U	37.2 R
2,4,6-Trinitrotoluene	UG/KG	35.6 U	35.6 U	35.6 U	35.6 U	35.6 U	35.6 R
2,4-Dinitrotoluene	UG/KG	51.6 U	51.6 U	51.6 U	51.6 U	51.6 U	51.6 R
2,6-Dinitrotoluene	UG/KG	47.6 U	47.6 U	47.6 U	47.6 U	47.6 U	47.6 R
2-Amino-4,6-dinitrotoluene	UG/KG	46.7 U	46.7 U	46.7 U	46.7 U	46.7 U	46.7 R
2-Nitrotoluene	UG/KG	81.4 U	81.4 U	81.4 U	81.4 U	81.4 U	81.4 R
3-Nitrotoluene	UG/KG	81.7 U	81.7 U	81.7 U	81.7 U	81.7 U	81.7 R
4-Amino-2,6-dinitrotoluene	UG/KG	40.8 U	40.8 U	40.8 U	40.8 U	40.8 U	40.8 R
4-Nitrotoluene	UG/KG	87.2 U	87.2 U	87.2 U	87.2 U	87.2 U	87.2 R
HMX	UG/KG	70.5 U	70.5 U	70.5 U	70.5 U	70.5 U	70.5 R
Nitrobenzene	UG/KG	35.2 U	35.2 U	35.2 U	35.2 U	35.2 U	35.2 R
RDX	UG/KG	50.9 U	50.9 U	50.9 U	50.9 U	50.9 U	50.9 R
Tetryl	UG/KG	163 U	163 U	163 U	163 U	163 U	163 R
MIREX							
Mirex	UG/KG	1980 U	1830 U	1880 U	1780 U	2000 U	1880 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 ONSITE SUBSURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-0S-SB04-03	41-0S-SB05-01	41-0S-SB06-01	41-0S-SB06-03	41-0S-SB07-01	41-0S-SB07-02	
Laboratory Sample ID:	9402086-06	9402042-02A	9402086-02	9402086-03	9402042-06A	9402042-07A	
Date Sampled:							
Percent Solids	78.1	87.4	89.3	87.1	89.9	81	
<u>SEMIVOLATILES</u>							
1,2-Dichlorobenzene	UG/KG	422 U	380 U	370 U	380 U	367 U	409 U
1,2,4-Trichlorobenzene	UG/KG	422 U	380 U	370 U	380 U	367 U	409 U
1,3-Dichlorobenzene	UG/KG	422 U	380 U	370 U	380 U	367 U	409 U
1,4-Dichlorobenzene	UG/KG	422 U	380 U	370 U	380 U	367 U	409 U
2-Chloronaphthalene	UG/KG	422 U	380 U	370 U	380 U	367 U	409 U
2-Chlorophenol	UG/KG	422 U	380 U	370 U	380 U	367 U	409 U
2-Methylnaphthalene	UG/KG	422 U	380 U	370 U	380 U	367 U	409 U
2-Methylphenol	UG/KG	422 U	380 U	370 U	380 U	367 U	409 U
2-Nitroaniline	UG/KG	1020 U	920 U	896 U	920 U	889 U	992 U
2-Nitrophenol	UG/KG	422 U	380 U	370 U	380 U	367 U	409 U
2,2'-oxybis-(1-chloropropane	UG/KG	422 U	380 U	370 U	380 U	367 U	409 U
2,4-Dichlorophenol	UG/KG	422 U	380 U	370 U	380 U	367 U	409 U
2,4-Dimethylphenol	UG/KG	422 U	380 U	370 U	380 U	367 U	409 U
2,4-Dinitrophenol	UG/KG	1020 U	920 U	896 U	920 U	889 U	992 U
2,4-Dinitrotoluene	UG/KG	422 U	380 U	370 U	380 U	367 U	409 U
2,4,5-Trichlorophenol	UG/KG	1020 U	920 U	896 U	920 U	889 U	992 U
2,4,6-Trichlorophenol	UG/KG	422 U	380 U	370 U	380 U	367 U	409 U
2,6-Dinitrotoluene	UG/KG	422 U	380 U	370 U	380 U	367 U	409 U
3-Nitroaniline	UG/KG	1020 U	920 U	896 U	920 U	889 U	992 U
3,3'-Dichlorobenzidine	UG/KG	422 U	380 U	370 U	380 U	367 U	409 U
4-Bromophenyl-phenylether	UG/KG	422 U	380 U	370 U	380 U	367 U	409 U
4-Chloro-3-methylphenol	UG/KG	422 U	380 U	370 U	380 U	367 U	409 U
4-Chloroaniline	UG/KG	422 U	380 U	370 U	380 U	367 U	409 U
4-Chlorophenyl phenyl ether	UG/KG	422 U	380 U	370 U	380 U	367 U	409 U
4-Methylphenol	UG/KG	422 U	380 U	370 U	380 U	367 U	409 U
4-Nitroaniline	UG/KG	1020 U	920 U	896 U	920 U	889 U	992 U
4-Nitrophenol	UG/KG	1020 U	920 U	896 U	920 U	889 U	992 U
4,6-Dinitro-2-methylphenol	UG/KG	1020 U	920 U	896 U	920 U	889 U	992 U
Acenaphthene	UG/KG	422 U	380 U	370 U	380 U	367 U	409 U
Acenaphthylene	UG/KG	422 U	380 U	370 U	380 U	367 U	409 U
Anthracene	UG/KG	422 U	380 U	370 U	380 U	367 U	409 U
Benzo[a]anthracene	UG/KG	422 U	380 U	370 U	380 U	367 U	409 U
Benzo[a]pyrene	UG/KG	422 U	380 U	370 U	380 U	240 J	1060

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 ONSITE SUBSURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-OS-SB04-03	41-OS-SB05-01	41-OS-SB06-01	41-OS-SB06-03	41-OS-SB07-01	41-OS-SB07-02
Laboratory Sample ID:	9402086-06	9402042-02A	9402086-02	9402086-03	9402042-06A	9402042-07A
Date Sampled:						
Percent Solids	78.1	87.4	89.3	87.1	89.9	81

SEMIVOLATILES Cont.

Benzo[b]fluoranthene	UG/KG	422 U	380 U	370 U	380 U	367 U	409 U
Benzo[g,h,i]perylene	UG/KG	422 U	380 U	370 U	380 U	367 U	409 U
Benzo[k]fluoranthene	UG/KG	422 U	380 U	370 U	380 U	367 U	409 U
bis(2-Chloroethoxy) methane	UG/KG	422 U	380 U	370 U	380 U	367 U	409 U
bis(2-Chloroethyl) ether	UG/KG	422 U	380 U	370 U	380 U	367 U	409 U
bis(2-Ethylhexyl)phthalate	UG/KG	61 J	380 U	55 J	49 J	367 U	409 U
Butyl benzyl phthalate	UG/KG	422 U	380 U	370 U	380 U	367 U	409 U
Carbazole	UG/KG	422 U	380 U	370 U	380 U	367 U	409 U
Chrysene	UG/KG	422 U	380 U	370 U	380 U	367 U	409 U
Dibenzofuran	UG/KG	422 U	380 U	370 U	380 U	367 U	409 U
Dibenz[a,h]anthracene	UG/KG	422 U	380 U	370 U	380 U	367 U	409 U
Diethylphthalate	UG/KG	422 U	380 U	370 U	380 U	367 U	409 U
Dimethyl phthalate	UG/KG	422 U	380 U	370 U	380 U	367 U	409 U
di-n-Butylphthalate	UG/KG	69 J	380 U	52 J	46 J	370 U	410 U
di-n-Octylphthalate	UG/KG	422 U	380 U	370 U	380 U	367 U	409 U
Fluoranthene	UG/KG	422 U	380 U	370 U	380 U	367 U	409 U
Fluorene	UG/KG	422 U	380 U	370 U	380 U	367 U	409 U
Hexachlorobenzene	UG/KG	422 U	380 U	370 U	380 U	367 U	409 U
Hexachlorobutadiene	UG/KG	422 U	380 U	370 U	380 U	367 U	409 U
Hexachlorocyclopentadiene	UG/KG	422 U	380 U	370 U	380 U	367 U	409 U
Hexachloroethane	UG/KG	422 U	380 U	370 U	380 U	367 U	409 U
Indeno[1,2,3-cd]pyrene	UG/KG	422 U	380 U	370 U	380 U	367 U	409 U
Isophorone	UG/KG	422 U	380 U	370 U	380 U	367 U	409 U
Naphthalene	UG/KG	422 U	380 U	370 U	380 U	367 U	409 U
Nitrobenzene	UG/KG	422 U	380 U	370 U	380 U	367 U	409 U
N-Nitroso-di-n-propylamine	UG/KG	422 U	380 U	370 U	380 U	367 U	409 U
N-nitrosodiphenylamine	UG/KG	422 U	380 U	370 U	380 U	367 U	409 U
Pentachlorophenol	UG/KG	1020 U	920 U	896 U	920 U	889 U	992 U
Phenanthrene	UG/KG	422 U	380 U	370 U	380 U	367 U	409 U
Phenol	UG/KG	422 U	380 U	370 U	380 U	367 U	409 U
Pyrene	UG/KG	422 U	380 U	370 U	380 U	367 U	409 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 ONSITE SUBSURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-0S-SB04-03	41-0S-SB05-01	41-0S-SB06-01	41-0S-SB06-03	41-0S-SB07-01	41-0S-SB07-02	
Laboratory Sample ID:	9402086-06	9402042-02A	9402086-02	9402086-03	9402042-06A	9402042-07A	
Date Sampled:							
Percent Solids	78.1	87.4	89.3	87.1	89.9	81	
<u>VOLATILES</u>							
Chloromethane	UG/KG	13 U	11.5 U	11 U	11 U	11.1 U	12.4 U
Bromomethane	UG/KG	13 U	11.5 U	11 U	11 U	11.1 U	12.4 U
Vinyl chloride	UG/KG	13 U	11.5 U	11 U	11 U	11.1 U	12.4 U
Chloroethane	UG/KG	13 U	11.5 U	11 U	11 U	11.1 U	12.4 U
Methylene chloride	UG/KG	7 J	15 U	11 U	3 J	3 J	12.4 U
Acetone	UG/KG	62 J	24 UJ	74 J	1500 J	51 J	54 J
Carbon Disulfide	UG/KG	13 U	11.5 U	11 U	11 U	11.1 U	12.4 U
1,1-Dichloroethene	UG/KG	13 U	11.5 U	11 U	11 U	11.1 U	12.4 U
1,1-Dichloroethane	UG/KG	13 U	11.5 U	11 U	11 U	11.1 U	12.4 U
1,2-Dichloroethene(total)	UG/KG	13 U	11.5 U	11 U	11 U	11.1 U	12.4 U
Chloroform	UG/KG	13 U	11.5 U	11 U	11 U	11.1 U	12.4 U
1,2-Dichloroethane	UG/KG	13 U	11.5 U	11 U	11 U	11.1 U	12.4 U
2-Butanone	UG/KG	13 U	11.5 U	11 U	11 U	11.1 U	12.4 U
1,1,1-Trichloroethane	UG/KG	13 U	11.5 U	11 U	11 U	11.1 U	12.4 U
Carbon tetrachloride	UG/KG	13 U	11.5 U	11 U	11 U	11.1 U	12.4 U
Bromodichloromethane	UG/KG	13 U	11.5 U	11 U	11 U	11.1 U	12.4 U
1,2-Dichloropropane	UG/KG	13 U	11.5 U	11 U	11 U	11.1 U	12.4 U
cis-1,3-Dichloropropene	UG/KG	13 U	11.5 U	11 U	11 U	11.1 U	12.4 U
Trichloroethene	UG/KG	13 U	11.5 U	11 U	11 U	11.1 U	12.4 U
Dibromochloromethane	UG/KG	13 U	11.5 U	11 U	11 U	11.1 U	12.4 U
1,1,2-Trichloroethane	UG/KG	13 U	11.5 U	11 U	11 U	11.1 U	12.4 U
Benzene	UG/KG	13 U	11.5 U	11 U	11 U	11.1 U	1 J
trans-1,3-Dichloropropene	UG/KG	13 U	11.5 U	11 U	11 U	11.1 U	12.4 U
Bromoform	UG/KG	13 U	11.5 U	11 U	11 U	11.1 U	12.4 U
4-Methyl-2-pentanone	UG/KG	13 U	11.5 U	11 U	11 U	11.1 U	12.4 UJ
2-Hexanone	UG/KG	13 U	11.5 U	11 U	11 U	11.1 U	12.4 UJ
Tetrachloroethene	UG/KG	13 U	11.5 U	11 U	11 U	11.1 U	12.4 UJ
1,1,2,2-Tetrachloroethane	UG/KG	13 U	11.5 U	11 U	11 U	11.1 U	12.4 UJ
Toluene	UG/KG	13 U	11.5 U	11 U	11 U	11.1 U	12.4 UJ
Chlorobenzene	UG/KG	13 U	11.5 U	11 U	7 J	11.1 U	39 J
Ethylbenzene	UG/KG	13 U	11.5 U	11 U	7 J	11.1 U	12.4 UJ
Styrene	UG/KG	13 U	11.5 U	11 U	11 U	11.1 U	12.4 UJ
Xylenes (total)	UG/KG	13 U	11.5 U	11 U	11 U	11.1 U	12.4 UJ

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 ONSITE SUBSURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-OS-SB04-03	41-OS-SB05-01	41-OS-SB06-01	41-OS-SB06-03	41-OS-SB07-01	41-OS-SB07-02	
Laboratory Sample ID:	9402086-06	9402042-02A	9402086-02	9402086-03	9402042-06A	9402042-07A	
Date Sampled:							
Percent Solids	78.1	87.4	89.3	87.1	89.9	81	
PESTICIDE/PCBS							
alpha-BHC	UG/KG	2.18 UJ	1.95 UJ	1.91 UJ	1.95 UJ	1.89 UJ	2.1 UJ
beta-BHC	UG/KG	2.18 UJ	1.95 R	1.91 UJ	1.95 UJ	1.89 R	2.1 R
delta-BHC	UG/KG	2.18 UJ	1.95 UJ	1.91 UJ	1.95 UJ	1.89 UJ	2.1 UJ
Lindane (gamma-BHC)	UG/KG	2.18 UJ	1.95 U	1.91 UJ	11.9 J	1.89 U	2.1 U
Heptachlor	UG/KG	2.18 UJ	1.95 U	1.91 UJ	13.1 J	1.89 U	2.1 U
Aldrin	UG/KG	2.18 UJ	1.95 U	1.91 UJ	12.8 J	1.89 U	2.1 U
Heptachlor epoxide	UG/KG	2.18 UJ	1.95 U	1.91 UJ	1.95 UJ	1.89 U	2.1 U
Endosulfan I	UG/KG	2.18 UJ	1.95 U	1.91 UJ	1.95 UJ	1.89 U	2.1 U
Dieldrin	UG/KG	7.57 J	3.79 U	0.32 J	27.6 J	3.67 U	4.07 U
4,4'-DDE	UG/KG	4.78 NJ	3.79 UJ	0.39 J	3.79 UJ	3.67 UJ	4.07 UJ
Endrin	UG/KG	4.23 UJ	3.79 UJ	3.71 UJ	28.3 J	3.67 UJ	4.07 UJ
Endosulfan II	UG/KG	10 J	3.79 UJ	3.71 UJ	3.79 UJ	3.67 UJ	4.07 UJ
4,4'-DDD	UG/KG	11.5 J	3.79 UJ	1.52 J	0.82 J	3.67 UJ	4.07 UJ
Endosulfan sulfate	UG/KG	4.23 UJ	3.79 UJ	3.71 UJ	3.79 UJ	3.67 UJ	4.07 UJ
4,4'-DDT	UG/KG	4.23 UJ	3.79 UJ	3.71 UJ	29.7 J	3.67 UJ	4.07 UJ
Methoxychlor	UG/KG	21.8 UJ	19.5 UJ	19.1 UJ	19.5 UJ	18.9 UJ	21 UJ
Endrin ketone	UG/KG	4.23 UJ	3.79 UJ	3.71 UJ	0.86 J	3.67 UJ	4.07 UJ
Endrin aldehyde	UG/KG	4.23 UJ	3.79 U	3.71 UJ	0.86 J	3.67 U	4.07 U
alpha-Chlordane	UG/KG	2.94 NJ	1.95 U	0.29 J	1.95 UJ	1.89 U	2.1 U
gamma-Chlordane	UG/KG	2.18 UJ	1.95 U	0.31 J	1.95 UJ	1.89 U	2.1 U
Toxaphene	UG/KG	218 UJ	195 U	191 UJ	195 UJ	189 U	210 U
Aroclor 1016	UG/KG	42.3 UJ	37.9 U	37.1 UJ	37.9 UJ	36.7 U	40.7 U
Aroclor 1221	UG/KG	85.9 UJ	77 U	75.3 UJ	77 UJ	74.4 U	82.7 U
Aroclor 1232	UG/KG	42.3 UJ	37.9 U	37.1 UJ	37.9 UJ	36.7 U	40.7 U
Aroclor 1242	UG/KG	42.3 UJ	37.9 U	37.1 UJ	37.9 UJ	36.7 U	40.7 U
Aroclor 1248	UG/KG	42.3 UJ	37.9 U	37.1 UJ	37.9 UJ	36.7 U	40.7 U
Aroclor 1254	UG/KG	42.3 UJ	37.9 U	37.1 UJ	37.9 UJ	36.7 U	40.7 U
Aroclor 1260	UG/KG	42.3 UJ	37.9 U	37.1 UJ	37.9 UJ	36.7 U	40.7 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 ONSITE SUBSURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-OS-SB04-03	41-OS-SB05-01	41-OS-SB06-01	41-OS-SB06-03	41-OS-SB07-01	41-OS-SB07-02	
Laboratory Sample ID:	9402086-06	9402042-02A	9402086-02	9402086-03	9402042-06A	9402042-07A	
Date Sampled:							
Percent Solids	78.1	87.4	89.3	87.1	89.9	81	
CHEMICAL SURETY							
Acetophenone	UG/KG	422 U	380 U	370 U	380 U	367 U	409 U
Chloroacetophenone	UG/KG	422 U	380 U	370 U	380 U	367 U	409 U
Hydroxyacetophenone	UG/KG	2110 U	1900 U	1850 U	1900 U	1830 U	2050 U
Bis(2'-chloroethyl)disulfide	UG/KG	2110 U	1900 U	1850 U	1900 U	1830 U	2050 U
Bis(2'-chloroethyl)trisulfide	UG/KG	2110 U	1900 U	1850 U	1900 U	1830 U	2050 U
1,4-Dithiane	UG/KG	422 U	380 U	370 U	380 U	367 U	409 U
1,4-Oxathiane	UG/KG	422 U	380 U	370 U	380 U	367 U	409 U
THIODIGLYCOL							
Thiodiglycol	MG/KG	8 U	7.12 U	7 U	7.19 U	6.94 U	7.69 U
ORDNANCE							
1,3,5-Trinitrobenzene	UG/KG	40.2 R	40.2 U	40.2 R	40.2 R	40.2 U	40.2 U
1,3-Dinitrobenzene	UG/KG	37.2 R	37.2 U	37.2 R	37.2 R	37.2 U	37.2 U
2,4,6-Trinitrotoluene	UG/KG	35.6 R	35.6 U	35.6 R	35.6 R	35.6 U	35.6 U
2,4-Dinitrotoluene	UG/KG	51.6 R	51.6 U	51.6 R	51.6 R	51.6 U	51.6 U
2,6-Dinitrotoluene	UG/KG	47.6 R	47.6 U	47.6 R	47.6 R	47.6 U	47.6 U
2-Amino-4,6-dinitrotoluene	UG/KG	46.7 R	46.7 U	46.7 R	46.7 R	46.7 U	46.7 U
2-Nitrotoluene	UG/KG	81.4 R	81.4 U	81.4 R	81.4 R	81.4 U	81.4 U
3-Nitrotoluene	UG/KG	81.7 R	81.7 U	81.7 R	81.7 R	81.7 U	81.7 U
4-Amino-2,6-dinitrotoluene	UG/KG	40.8 R	40.8 U	40.8 R	40.8 R	40.8 U	40.8 U
4-Nitrotoluene	UG/KG	87.2 R	87.2 U	87.2 R	87.2 R	87.2 U	87.2 U
HMX	UG/KG	70.5 R	70.5 U	70.5 R	70.5 R	70.5 U	70.5 U
Nitrobenzene	UG/KG	35.2 R	35.2 U	35.2 R	35.2 R	35.2 U	35.2 U
RDX	UG/KG	50.9 R	50.9 U	50.9 R	50.9 R	50.9 U	50.9 U
Tetryl	UG/KG	163 R	163 U	163 R	163 R	163 U	163 U
MIREX							
Mirex	UG/KG	2110 U	1900 UJ	1850 U	1900 U	1830 U	2050 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 ONSITE SUBSURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-OS-SB08-01	41-OS-SB09-01	41-OS-SB10-01	41-OS-SB11-01	41-OS-SB12-02	41-OS-SB14-01	
Laboratory Sample ID:	9402086-10	9402042-04A	9402064-06	9402086-08	9402042-09A	9402064-02	
Date Sampled:							
Percent Solids	88.7	88.5	87.8	82.4	82.7	88.6	
SEMIVOLATILES							
1,2-Dichlorobenzene	UG/KG	370 U	376 R	376 U	403 U	396 U	44200 U
1,2,4-Trichlorobenzene	UG/KG	370 U	376 R	376 U	403 U	396 U	44200 U
1,3-Dichlorobenzene	UG/KG	370 U	376 R	376 U	403 U	396 U	44200 U
1,4-Dichlorobenzene	UG/KG	370 U	376 R	376 U	403 U	396 U	44200 U
2-Chloronaphthalene	UG/KG	370 U	376 R	376 U	403 U	396 U	44200 U
2-Chlorophenol	UG/KG	370 U	376 R	376 U	403 U	396 U	44200 U
2-Methylnaphthalene	UG/KG	370 U	376 R	376 U	403 U	41 J	44200 U
2-Methylphenol	UG/KG	370 U	376 R	376 U	403 U	396 U	44200 U
2-Nitroaniline	UG/KG	896 U	912 R	912 U	976 U	960 U	107000 U
2-Nitrophenol	UG/KG	370 U	376 R	376 U	403 U	396 U	44200 U
2,2'-oxybis-(1-chloropropane)	UG/KG	370 U	376 R	376 U	403 U	396 U	44200 U
2,4-Dichlorophenol	UG/KG	370 U	376 R	376 U	403 U	396 U	44200 U
2,4-Dimethylphenol	UG/KG	370 U	376 R	376 U	403 U	396 U	44200 U
2,4-Dinitrophenol	UG/KG	896 U	912 R	912 U	976 U	960 U	107000 U
2,4-Dinitrotoluene	UG/KG	370 U	376 R	376 U	403 U	396 U	44200 U
2,4,5-Trichlorophenol	UG/KG	896 U	912 R	912 U	976 U	960 U	107000 U
2,4,6-Trichlorophenol	UG/KG	370 U	376 R	376 U	403 U	396 U	44200 U
2,6-Dinitrotoluene	UG/KG	370 U	376 R	376 U	403 U	396 U	44200 U
3-Nitroaniline	UG/KG	896 U	912 R	912 U	976 U	960 U	107000 U
3,3'-Dichlorobenzidine	UG/KG	370 U	376 R	376 U	403 U	396 UJ	44200 U
4-Bromophenyl-phenylether	UG/KG	370 U	376 R	376 U	403 U	396 U	44200 U
4-Chloro-3-methylphenol	UG/KG	370 U	376 R	376 U	403 U	396 U	44200 U
4-Chloroaniline	UG/KG	370 U	376 R	376 U	403 U	396 U	44200 U
4-Chlorophenyl phenyl ether	UG/KG	370 U	376 R	376 U	403 U	396 U	44200 U
4-Methylphenol	UG/KG	370 U	376 R	376 U	403 U	396 U	44200 U
4-Nitroaniline	UG/KG	896 U	912 R	912 U	976 U	960 U	107000 U
4-Nitrophenol	UG/KG	896 U	912 R	912 U	976 U	960 U	107000 U
4,6-Dinitro-2-methylphenol	UG/KG	896 U	912 R	912 U	976 U	960 U	107000 U
Acenaphthene	UG/KG	370 U	376 R	376 U	403 U	130 J	44200 U
Acenaphthylene	UG/KG	370 U	376 R	376 U	403 U	396 U	44200 U
Anthracene	UG/KG	370 U	376 R	376 U	403 U	396 U	44200 U
Benzo[a]anthracene	UG/KG	370 U	376 R	376 U	403 U	396 U	44200 U
Benzo[a]pyrene	UG/KG	370 U	376 R	376 U	403 U	396 U	4700 J

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 ONSITE SUBSURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-OS-SB08-01	41-OS-SB09-01	41-OS-SB10-01	41-OS-SB11-01	41-OS-SB12-02	41-OS-SB14-01
Laboratory Sample ID:	9402086-10	9402042-04A	9402064-06	9402086-08	9402042-09A	9402064-02
Date Sampled:						
Percent Solids	88.7	88.5	87.8	82.4	82.7	88.6

SEMIVOLATILES Cont.

Benzo[b]fluoranthene	UG/KG	370 U	376 R	376 U	403 U	396 U	44200 U
Benzo[g,h,i]perylene	UG/KG	370 U	376 R	376 U	403 U	396 U	4600 J
Benzo[k]fluoranthene	UG/KG	370 U	376 R	376 U	403 U	396 U	44200 U
bis(2-Chloroethoxy) methane	UG/KG	370 U	376 R	376 U	403 U	396 U	44200 U
bis(2-Chloroethyl) ether	UG/KG	370 U	376 R	376 U	403 U	396 U	44200 U
bis(2-Ethylhexyl)phthalate	UG/KG	150 J	376 R	67 J	105 J	396 U	7200 J
Butyl benzyl phthalate	UG/KG	370 U	376 R	376 U	403 U	396 U	44200 U
Carbazole	UG/KG	370 U	376 R	376 U	403 U	66 J	44200 U
Chrysene	UG/KG	370 U	376 R	376 U	403 U	396 U	44200 U
Dibenzofuran	UG/KG	370 U	376 R	376 U	403 U	48 J	44200 U
Dibenz[a,h]anthracene	UG/KG	370 U	376 R	376 U	403 U	396 U	44200 U
Diethylphthalate	UG/KG	370 U	376 R	376 U	403 U	396 U	44200 U
Dimethyl phthalate	UG/KG	370 U	376 R	376 U	403 U	396 U	44200 U
di-n-Butylphthalate	UG/KG	73 J	376 R	51 J	403 U	400 U	44200 U
di-n-Octylphthalate	UG/KG	370 U	376 R	376 U	403 U	67 J	44200 U
Fluoranthene	UG/KG	370 U	376 R	376 U	403 U	396 U	44200 U
Fluorene	UG/KG	370 U	376 R	376 U	403 U	120 J	44200 U
Hexachlorobenzene	UG/KG	370 U	376 R	376 U	403 U	396 U	44200 U
Hexachlorobutadiene	UG/KG	370 U	376 R	376 U	403 U	396 U	44200 U
Hexachlorocyclopentadiene	UG/KG	370 U	376 R	376 U	403 U	396 U	44200 U
Hexachloroethane	UG/KG	370 U	376 R	376 U	403 U	396 U	44200 U
Indeno[1,2,3-cd]pyrene	UG/KG	370 U	376 R	376 U	403 U	396 U	44200 U
Isophorone	UG/KG	370 U	376 R	376 U	403 U	396 U	44200 U
Naphthalene	UG/KG	370 U	376 R	376 U	403 U	396 U	44200 U
Nitrobenzene	UG/KG	370 U	376 R	376 U	403 U	396 U	44200 U
N-Nitroso-di-n-propylamine	UG/KG	370 U	376 R	376 U	403 U	396 U	44200 U
N-nitrosodiphenylamine	UG/KG	370 U	376 R	376 U	403 U	396 U	44200 U
Pentachlorophenol	UG/KG	896 U	912 R	912 U	976 U	960 U	107000 U
Phenanthrene	UG/KG	40 J	376 R	376 U	403 U	396 U	44200 U
Phenol	UG/KG	370 U	376 R	376 U	403 U	396 U	44200 U
Pyrene	UG/KG	370 U	376 R	376 U	403 U	396 U	44200 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 ONSITE SUBSURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-OS-SB08-01	41-OS-SB09-01	41-OS-SB10-01	41-OS-SB11-01	41-OS-SB12-02	41-OS-SB14-01	
Laboratory Sample ID:	9402086-10	9402042-04A	9402064-06	9402086-08	9402042-09A	9402064-02	
Date Sampled:							
Percent Solids	88.7	88.5	87.8	82.4	82.7	88.6	
VOLATILES							
Chloromethane	UG/KG	11 U	11.2 U	11 U	12 UJ	12 U	11 UJ
Bromomethane	UG/KG	11 U	11.2 U	11 U	12 UJ	12 U	11 UJ
Vinyl chloride	UG/KG	11 U	11.2 U	11 U	12 UJ	12 U	11 UJ
Chloroethane	UG/KG	11 U	11.2 U	11 U	12 UJ	12 U	11 UJ
Methylene chloride	UG/KG	11 U	4 J	11 U	12 UJ	4 J	26 J
Acetone	UG/KG	44	67 J	11 U	160 J	24 J	3800 J
Carbon Disulfide	UG/KG	11 U	11.2 U	11 U	12 UJ	12 U	11 UJ
1,1-Dichloroethene	UG/KG	11 U	11.2 U	11 U	12 UJ	12 U	11 UJ
1,1-Dichloroethane	UG/KG	11 U	11.2 U	11 U	12 UJ	12 U	11 UJ
1,2-Dichloroethene(total)	UG/KG	11 U	11.2 U	11 U	12 UJ	12 U	11 UJ
Chloroform	UG/KG	11 U	11.2 U	11 U	12 UJ	12 U	11 UJ
1,2-Dichloroethane	UG/KG	11 U	11.2 U	11 U	12 UJ	12 U	11 UJ
2-Butanone	UG/KG	11 U	11.2 U	11 U	12 UJ	12 U	11 R
1,1,1-Trichloroethane	UG/KG	11 U	11.2 U	11 U	12 UJ	12 U	11 UJ
Carbon tetrachloride	UG/KG	11 U	11.2 U	11 U	12 UJ	12 U	11 UJ
Bromodichloromethane	UG/KG	11 U	11.2 U	11 U	12 UJ	12 U	11 UJ
1,2-Dichloropropane	UG/KG	11 U	11.2 U	11 U	12 UJ	12 U	11 UJ
cis-1,3-Dichloropropene	UG/KG	11 U	11.2 U	11 U	12 UJ	12 U	11 UJ
Trichloroethene	UG/KG	11 U	11.2 U	11 U	12 UJ	12 U	11 UJ
Dibromochloromethane	UG/KG	11 U	11.2 U	11 U	12 UJ	12 U	11 UJ
1,1,2-Trichloroethane	UG/KG	11 U	11.2 U	11 U	12 UJ	12 U	11 UJ
Benzene	UG/KG	11 U	11.2 U	11 U	12 UJ	12 U	11 UJ
trans-1,3-Dichloropropene	UG/KG	11 U	11.2 U	11 U	12 UJ	12 U	11 UJ
Bromoform	UG/KG	11 U	11.2 U	11 U	12 UJ	12 U	11 UJ
4-Methyl-2-pentanone	UG/KG	11 U	11.2 U	11 U	12 UJ	12 U	11 UJ
2-Hexanone	UG/KG	11 U	11.2 U	11 U	12 UJ	12 U	11 UJ
Tetrachloroethene	UG/KG	11 U	11.2 U	11 U	12 UJ	12 U	11 UJ
1,1,2,2-Tetrachloroethane	UG/KG	11 U	11.2 U	11 U	12 UJ	12 U	11 UJ
Toluene	UG/KG	11 U	11.2 U	11 U	12 UJ	12 U	11 UJ
Chlorobenzene	UG/KG	11 U	4 J	11 U	12 UJ	12 U	11 UJ
Ethylbenzene	UG/KG	11 U	11.2 U	11 U	12 UJ	12 U	11 UJ
Styrene	UG/KG	11 U	11.2 U	11 U	12 UJ	12 U	11 UJ
Xylenes (total)	UG/KG	11 U	11.2 U	11 U	12 UJ	12 U	11 UJ

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 ONSITE SUBSURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-OS-SB08-01	41-OS-SB09-01	41-OS-SB10-01	41-OS-SB11-01	41-OS-SB12-02	41-OS-SB14-01
Laboratory Sample ID:	9402086-10	9402042-04A	9402064-06	9402086-08	9402042-09A	9402064-02
Date Sampled:						
Percent Solids	88.7	88.5	87.8	82.4	82.7	88.6
PESTICIDE/PCBS						
alpha-BHC	UG/KG	1.91 UJ	1.93 UJ	1.93 UJ	2.07 UJ	1.91 R
beta-BHC	UG/KG	1.91 UJ	1.93 R	1.93 UJ	2.07 UJ	2.17 J
delta-BHC	UG/KG	1.91 UJ	1.93 UJ	1.93 UJ	2.07 UJ	1.91 R
Lindane (gamma-BHC)	UG/KG	1.91 UJ	1.93 U	1.93 UJ	2.07 U	1.91 R
Heptachlor	UG/KG	1.91 UJ	1.93 U	1.93 UJ	2.07 U	1.91 R
Aldrin	UG/KG	1.91 UJ	1.93 U	1.93 UJ	2.07 U	1.91 R
Heptachlor epoxide	UG/KG	1.91 UJ	1.93 U	1.93 UJ	2.07 U	1.91 R
Endosulfan I	UG/KG	1.91 UJ	1.93 U	1.93 UJ	2.07 U	1.91 R
Dieldrin	UG/KG	3.27 NJ	0.42 NJ	3.75 UJ	27.1 J	1.95 NJ
4,4'-DDE	UG/KG	10.3 J	0.32 NJ	5.95 J	17.4 J	39.6 J
Endrin	UG/KG	1.14 NJ	3.75 UJ	3.75 UJ	5.96 NJ	3.71 R
Endosulfan II	UG/KG	4.22 J	0.87 J	3.75 UJ	25.2 NJ	3.71 R
4,4'-DDD	UG/KG	5.58 NJ	1.23 J	3.75 UJ	25.4 NJ	147 J
Endosulfan sulfate	UG/KG	3.71 UJ	3.75 UJ	3.75 UJ	4.02 U	3.71 R
4,4'-DDT	UG/KG	3.71 UJ	3.75 UJ	3.75 UJ	4.02 UJ	302 J
Methoxychlor	UG/KG	19.1 UJ	19.3 UJ	19.3 UJ	20.7 UJ	19.1 R
Endrin ketone	UG/KG	3.71 UJ	3.75 UJ	3.75 UJ	4.02 U	3.71 R
Endrin aldehyde	UG/KG	3.71 UJ	3.75 U	3.75 UJ	4.02 U	3.71 R
alpha-Chlordane	UG/KG	0.74 J	0.53 J	1.93 UJ	6.81 J	1.91 R
gamma-Chlordane	UG/KG	0.54 J	1.93 U	1.93 UJ	1.03 J	1.91 R
Toxaphene	UG/KG	191 UJ	193 U	193 UJ	207 U	191 R
Aroclor 1016	UG/KG	37.1 UJ	37.5 U	37.5 UJ	40.2 U	37.1 R
Aroclor 1221	UG/KG	75.3 UJ	76.1 U	76.1 UJ	81.7 U	75.3 R
Aroclor 1232	UG/KG	37.1 UJ	37.5 U	37.5 UJ	40.2 U	37.1 R
Aroclor 1242	UG/KG	37.1 UJ	37.5 U	37.5 UJ	40.2 U	37.1 R
Aroclor 1248	UG/KG	37.1 UJ	37.5 U	37.5 UJ	40.2 U	37.1 R
Aroclor 1254	UG/KG	37.1 UJ	37.5 U	37.5 UJ	40.2 U	37.1 R
Aroclor 1260	UG/KG	37.1 UJ	37.5 U	37.5 UJ	40.2 U	37.1 R

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 ONSITE SUBSURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-OS-SB08-01	41-OS-SB09-01	41-OS-SB10-01	41-OS-SB11-01	41-OS-SB12-02	41-OS-SB14-01	
Laboratory Sample ID:	9402086-10	9402042-04A	9402064-06	9402086-08	9402042-09A	9402064-02	
Date Sampled:							
Percent Solids	88.7	88.5	87.8	82.4	82.7	88.6	
CHEMICAL SURETY							
Acetophenone	UG/KG	370 U	376 R	376 U	403 U	396 U	44200 U
Chloroacetophenone	UG/KG	370 U	376 R	376 U	403 U	396 U	44200 U
Hydroxyacetophenone	UG/KG	1850 U	1880 R	1880 U	2010 U	1980 U	221000 U
Bis(2'-chloroethyl)disulfide	UG/KG	1850 U	1880 U	1880 U	2010 U	1980 U	221000 U
Bis(2'-chloroethyl)trisulfide	UG/KG	1850 U	1880 U	1880 U	2010 U	1980 U	221000 U
1,4-Dithiane	UG/KG	370 U	376 R	376 U	403 U	396 U	44200 U
1,4-Oxathiane	UG/KG	370 U	376 R	376 U	403 U	396 U	44200 U
THIODIGLYCOL							
Thiodiglycol	MG/KG	7.06 U	7.06 U	7.12 U	7.56 U	7.56 U	7.06 U
ORDNANCE							
1,3,5-Trinitrobenzene	UG/KG	40.2 R	40.2 U	40.2 U	40.2 R	40.2 U	40.2 UJ
1,3-Dinitrobenzene	UG/KG	37.2 R	37.2 U	37.2 U	37.2 R	37.2 U	37.2 UJ
2,4,6-Trinitrotoluene	UG/KG	35.6 R	35.6 U	35.6 U	35.6 R	35.6 U	35.6 UJ
2,4-Dinitrotoluene	UG/KG	51.6 R	51.6 U	51.6 U	51.6 R	51.6 U	51.6 UJ
2,6-Dinitrotoluene	UG/KG	47.6 R	47.6 U	47.6 U	47.6 R	47.6 U	47.6 UJ
2-Amino-4,6-dinitrotoluene	UG/KG	46.7 R	46.7 U	46.7 U	46.7 R	46.7 U	46.7 UJ
2-Nitrotoluene	UG/KG	81.4 R	81.4 U	81.4 U	81.4 R	81.4 U	81.4 UJ
3-Nitrotoluene	UG/KG	81.7 R	81.7 U	81.7 U	81.7 R	81.7 U	81.7 UJ
4-Amino-2,6-dinitrotoluene	UG/KG	40.8 R	40.8 U	40.8 U	40.8 R	40.8 U	40.8 UJ
4-Nitrotoluene	UG/KG	87.2 R	87.2 U	87.2 U	87.2 R	87.2 U	87.2 UJ
HMX	UG/KG	70.5 R	70.5 U	70.5 U	70.5 R	70.5 U	70.5 UJ
Nitrobenzene	UG/KG	35.2 R	35.2 U	35.2 U	35.2 R	35.2 U	35.2 UJ
RDX	UG/KG	50.9 R	50.9 U	50.9 U	50.9 R	50.9 U	50.9 UJ
Tetryl	UG/KG	163 R	163 U	163 UJ	163 R	163 U	163 UJ
MIREX							
Mirex	UG/KG	1850 U	1880 R	1880 U	2010 U	1980 UJ	221000 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 ONSITE SUBSURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-0S-SB14-02	41-0S-SB15-01	41-0S-SB15-02	41-0S-SB16-01	41-0S-SB17-01	41-0S-SB17-02
Laboratory Sample ID:	9402064-03	9402070-02	9402070-03	9402043-06	9402052-01	9402052-02
Date Sampled:						
Percent Solids	92.8	86.6	87	84.9	88.9	87.1
SEMIVOLATILES						
1,2-Dichlorobenzene	UG/KG	356 U	380 U	380 U	389 U	371 U
1,2,4-Trichlorobenzene	UG/KG	356 U	380 U	380 U	389 U	371 U
1,3-Dichlorobenzene	UG/KG	356 U	380 U	380 U	389 U	371 U
1,4-Dichlorobenzene	UG/KG	356 U	380 U	380 U	389 U	371 U
2-Chloronaphthalene	UG/KG	356 U	380 U	380 U	389 U	371 U
2-Chlorophenol	UG/KG	356 U	380 U	380 U	389 U	371 U
2-Methylnaphthalene	UG/KG	356 U	380 U	380 U	389 U	371 U
2-Methylphenol	UG/KG	356 U	380 U	380 U	389 U	371 U
2-Nitroaniline	UG/KG	864 U	920 U	920 U	944 U	899 U
2-Nitrophenol	UG/KG	356 U	380 U	380 U	389 U	371 U
2,2'-oxybis-(1-chloropropane	UG/KG	356 U	380 U	380 U	389 U	371 U
2,4-Dichlorophenol	UG/KG	356 U	380 U	380 U	389 U	371 U
2,4-Dimethylphenol	UG/KG	356 U	380 U	380 U	389 U	371 U
2,4-Dinitrophenol	UG/KG	864 U	920 U	920 U	944 U	899 U
2,4-Dinitrotoluene	UG/KG	356 U	380 U	380 U	389 U	371 U
2,4,5-Trichlorophenol	UG/KG	864 U	920 U	920 U	944 U	899 U
2,4,6-Trichlorophenol	UG/KG	356 U	380 U	380 U	389 U	371 U
2,6-Dinitrotoluene	UG/KG	356 U	380 U	380 U	389 U	371 U
3-Nitroaniline	UG/KG	864 U	920 U	920 U	944 U	899 U
3,3'-Dichlorobenzidine	UG/KG	356 U	380 U	380 U	389 U	371 U
4-Bromophenyl-phenylether	UG/KG	356 U	380 U	380 U	389 U	371 U
4-Chloro-3-methylphenol	UG/KG	356 U	380 U	380 U	389 U	371 U
4-Chloroaniline	UG/KG	356 U	380 U	380 U	389 U	371 U
4-Chlorophenyl phenyl ether	UG/KG	356 U	380 U	380 U	389 U	371 U
4-Methylphenol	UG/KG	356 U	380 U	380 U	389 U	371 U
4-Nitroaniline	UG/KG	864 U	920 U	920 U	944 U	899 U
4-Nitrophenol	UG/KG	864 U	920 U	920 U	944 U	899 U
4,6-Dinitro-2-methylphenol	UG/KG	864 U	920 U	920 U	944 U	899 U
Acenaphthene	UG/KG	356 U	380 U	380 U	389 U	371 U
Acenaphthylene	UG/KG	356 U	380 U	380 U	389 U	371 U
Anthracene	UG/KG	356 U	380 U	380 U	389 U	371 U
Benzo[a]anthracene	UG/KG	356 U	380 U	380 U	71 J	371 U
Benzo[a]pyrene	UG/KG	356 U	380 U	380 U	74 J	371 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 ONSITE SUBSURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-OS-SB14-02	41-OS-SB15-01	41-OS-SB15-02	41-OS-SB16-01	41-OS-SB17-01	41-OS-SB17-02
Laboratory Sample ID:	9402064-03	9402070-02	9402070-03	9402043-06	9402052-01	9402052-02
Date Sampled:						
Percent Solids	92.8	86.6	87	84.9	88.9	87.1
SEMIVOLATILES Cont.						
Benzo[b]fluoranthene	UG/KG 356 U	380 U	380 U	75 J	371 U	379 U
Benzo[g,h,i]perylene	UG/KG 356 U	41 J	380 U	60 J	371 U	379 U
Benzo[k]fluoranthene	UG/KG 356 U	380 U	380 U	80 J	371 U	379 U
bis(2-Chloroethoxy) methane	UG/KG 356 U	380 U	380 U	389 U	371 U	379 U
bis(2-Chloroethyl) ether	UG/KG 356 U	79 J	380 U	389 U	371 U	379 U
bis(2-Ethylhexyl)phthalate	UG/KG 356 U	490	74 J	63 J	371 U	379 U
Butyl benzyl phthalate	UG/KG 356 U	380 U	380 U	389 U	371 U	379 U
Carbazole	UG/KG 356 U	380 U	380 U	389 U	371 U	379 U
Chrysene	UG/KG 356 U	380 U	380 U	89 J	371 U	379 U
Dibenzofuran	UG/KG 356 U	380 U	380 U	389 U	371 U	379 U
Dibenz[a,h]anthracene	UG/KG 356 U	380 U	380 U	389 U	371 U	379 U
Diethylphthalate	UG/KG 356 U	380 U	380 U	389 U	371 U	110 J
Dimethyl phthalate	UG/KG 356 U	380 U	380 U	389 U	371 U	379 U
di-n-Butylphthalate	UG/KG 356 U	380 U	380 U	390 U	370 U	380 U
di-n-Octylphthalate	UG/KG 356 U	380 U	380 U	389 U	44 J	1600
Fluoranthene	UG/KG 356 U	380 U	380 U	130 J	371 U	379 U
Fluorene	UG/KG 356 U	380 U	380 U	389 U	371 U	379 U
Hexachlorobenzene	UG/KG 356 U	380 U	380 U	389 U	371 U	379 U
Hexachlorobutadiene	UG/KG 356 U	380 U	380 U	389 U	371 U	379 U
Hexachlorocyclopentadiene	UG/KG 356 U	380 U	380 U	389 U	371 U	379 U
Hexachloroethane	UG/KG 356 U	380 U	380 U	389 U	371 U	379 U
Indeno[1,2,3-cd]pyrene	UG/KG 356 U	380 U	380 U	389 U	371 U	379 U
Isophorone	UG/KG 356 U	380 U	380 U	389 U	371 U	379 U
Naphthalene	UG/KG 356 U	380 U	380 U	389 U	71 J	260 J
Nitrobenzene	UG/KG 356 U	380 U	380 U	389 U	371 U	379 U
N-Nitroso-di-n-propylamine	UG/KG 356 U	380 U	380 U	389 U	371 U	379 U
N-nitrosodiphenylamine	UG/KG 356 U	380 U	380 U	389 U	371 U	379 U
Pentachlorophenol	UG/KG 864 U	920 U	920 U	944 U	899 U	920 U
Phenanthrene	UG/KG 356 U	380 U	380 U	389 U	371 U	379 U
Phenol	UG/KG 356 U	380 U	380 U	389 U	371 U	379 U
Pyrene	UG/KG 356 U	380 U	63 J	120 J	371 U	379 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 ONSITE SUBSURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-OS-SB14-02	41-OS-SB15-01	41-OS-SB15-02	41-OS-SB16-01	41-OS-SB17-01	41-OS-SB17-02	
Laboratory Sample ID:	9402064-03	9402070-02	9402070-03	9402043-06	9402052-01	9402052-02	
Date Sampled:							
Percent Solids	92.8	86.6	87	84.9	88.9	87.1	
VOLATILES							
Chloromethane	UG/KG	11 U	11 U	11 U	11.8 U	11.2 U	11.5 U
Bromomethane	UG/KG	11 U	11 U	11 U	11.8 U	11.2 U	11.5 U
Vinyl chloride	UG/KG	11 U	11 U	11 U	11.8 U	11.2 U	11.5 U
Chloroethane	UG/KG	11 U	11 U	11 U	11.8 U	11.2 U	11.5 U
Methylene chloride	UG/KG	21 J	3 J	11 U	18 U	2 J	3 J
Acetone	UG/KG	960	11 U	72	11.8 U	210	210 J
Carbon Disulfide	UG/KG	11 U	11 U	11 U	11.8 U	11.2 U	11.5 U
1,1-Dichloroethene	UG/KG	11 U	11 U	11 U	11.8 U	11.2 U	11.5 U
1,1-Dichloroethane	UG/KG	11 U	11 U	11 U	11.8 U	11.2 U	11.5 U
1,2-Dichloroethene(total)	UG/KG	11 U	11 U	11 U	11.8 U	11.2 U	11.5 U
Chloroform	UG/KG	11 U	11 U	11 U	11.8 U	11.2 U	11.5 U
1,2-Dichloroethane	UG/KG	11 U	11 U	11 U	11.8 U	11.2 U	11.5 U
2-Butanone	UG/KG	11 R	11 U	11 U	11.8 R	11.2 U	15 J
1,1,1-Trichloroethane	UG/KG	11 U	11 U	11 U	11.8 U	11.2 U	11.5 U
Carbon tetrachloride	UG/KG	11 U	11 U	11 U	11.8 U	11.2 U	11.5 U
Bromodichloromethane	UG/KG	11 U	11 U	11 U	11.8 U	11.2 U	11.5 U
1,2-Dichloropropane	UG/KG	11 U	11 U	11 U	11.8 U	11.2 U	11.5 U
cis-1,3-Dichloropropene	UG/KG	11 U	11 U	11 U	11.8 U	11.2 U	11.5 U
Trichloroethene	UG/KG	11 U	11 U	11 U	11.8 U	11.2 U	11.5 U
Dibromochloromethane	UG/KG	11 U	11 U	11 U	11.8 U	11.2 U	11.5 U
1,1,2-Trichloroethane	UG/KG	11 U	11 U	11 U	11.8 U	11.2 U	11.5 U
Benzene	UG/KG	11 U	11 U	11 U	11.8 U	11.2 U	11.5 U
trans-1,3-Dichloropropene	UG/KG	11 U	11 U	11 U	11.8 U	11.2 U	11.5 U
Bromoform	UG/KG	11 U	11 U	11 U	11.8 U	11.2 U	11.5 U
4-Methyl-2-pentanone	UG/KG	11 U	11 UJ	11 U	11.8 U	11.2 U	11.5 U
2-Hexanone	UG/KG	11 U	11 UJ	11 U	11.8 U	11.2 U	11.5 U
Tetrachloroethene	UG/KG	11 U	11 UJ	11 U	11.8 U	11.2 U	11.5 U
1,1,2,2-Tetrachloroethane	UG/KG	11 U	11 UJ	11 U	11.8 U	11.2 U	11.5 U
Toluene	UG/KG	11 U	11 UJ	11 U	11.8 U	11.2 U	11.5 U
Chlorobenzene	UG/KG	11 U	11 UJ	4 J	11.8 U	11.2 U	11.5 U
Ethylbenzene	UG/KG	11 U	11 UJ	11 U	11.8 U	11.2 U	11.5 U
Styrene	UG/KG	11 U	11 UJ	11 U	11.8 U	11.2 U	11.5 U
Xylenes (total)	UG/KG	11 U	11 UJ	11 U	11.8 U	11.2 U	11.5 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 ONSITE SUBSURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-OS-SB14-02	41-OS-SB15-01	41-OS-SB15-02	41-OS-SB16-01	41-OS-SB17-01	41-OS-SB17-02	
Laboratory Sample ID:	9402064-03	9402070-02	9402070-03	9402043-06	9402052-01	9402052-02	
Date Sampled:							
Percent Solids	92.8	86.6	87	84.9	88.9	87.1	
<u>PESTICIDE/PCBS</u>							
alpha-BHC	UG/KG	1.83 UJ	1.95 UJ	1.95 UJ	10.01 UJ	1.91 UJ	1.95 UJ
beta-BHC	UG/KG	1.83 UJ	1.95 UJ	1.95 UJ	10.01 R	1.91 UJ	1.95 UJ
delta-BHC	UG/KG	1.83 UJ	1.95 UJ	1.95 UJ	10.01 UJ	1.91 UJ	1.95 UJ
Lindane (gamma-BHC)	UG/KG	1.83 U	1.95 UJ	1.95 UJ	10.01 UJ	1.91 UJ	1.95 UJ
Heptachlor	UG/KG	1.83 U	1.95 UJ	1.95 UJ	10.01 UJ	1.91 UJ	1.95 UJ
Aldrin	UG/KG	1.83 U	1.95 UJ	1.95 UJ	10.01 UJ	1.91 UJ	1.95 UJ
Heptachlor epoxide	UG/KG	1.83 U	0.4 J	1.95 UJ	10.01 UJ	1.91 UJ	1.95 UJ
Endosulfan I	UG/KG	1.83 U	1.95 UJ	1.95 UJ	10.01 UJ	1.91 UJ	1.95 UJ
Dieldrin	UG/KG	0.48 NJ	3.79 UJ	3.79 UJ	5.6 J	1.51 NJ	3.79 UJ
4,4'-DDE	UG/KG	2.48 J	3.79 UJ	12.6 J	19.43 UJ	5.31 J	13.8 J
Endrin	UG/KG	3.55 U	3.79 UJ	3.79 UJ	4.61 J	3.71 U	3.79 UJ
Endosulfan II	UG/KG	0.92 NJ	3.79 UJ	3.79 UJ	13.74 J	1.5 NJ	3.79 UJ
4,4'-DDD	UG/KG	2.12 J	3.79 UJ	10.8 J	16.14 J	8.56 J	30.6 J
Endosulfan sulfate	UG/KG	3.55 U	3.79 UJ	3.79 UJ	19.43 UJ	3.71 UJ	3.79 UJ
4,4'-DDT	UG/KG	4.96 J	3.79 UJ	3.79 UJ	19.43 UJ	3.71 UJ	3.79 UJ
Methoxychlor	UG/KG	5.47 NJ	19.5 UJ	19.5 UJ	100.1 UJ	19.1 UJ	19.5 UJ
Endrin ketone	UG/KG	3.55 U	3.79 UJ	3.79 UJ	19.43 UJ	3.71 UJ	3.79 UJ
Endrin aldehyde	UG/KG	3.55 U	3.79 UJ	3.79 UJ	19.43 U	1.6 J	3.79 UJ
alpha-Chlordane	UG/KG	1.83 U	1.95 UJ	1.95 UJ	4.77 J	0.59 J	1.21 J
gamma-Chlordane	UG/KG	1.83 U	0.62 J	1.95 UJ	3.64 J	0.44 J	1.43 J
Toxaphene	UG/KG	183 U	195 UJ	195 UJ	1001.2 UJ	191 UJ	195 UJ
Aroclor 1016	UG/KG	35.5 U	37.9 UJ	37.9 UJ	194.4 UJ	37.1 UJ	37.9 UJ
Aroclor 1221	UG/KG	72 U	77 UJ	77 UJ	394 UJ	75.3 UJ	77 UJ
Aroclor 1232	UG/KG	35.5 U	37.9 UJ	37.9 UJ	194.4 UJ	37.1 UJ	37.9 UJ
Aroclor 1242	UG/KG	35.5 U	37.9 UJ	37.9 UJ	194.4 UJ	37.1 UJ	37.9 UJ
Aroclor 1248	UG/KG	35.5 U	37.9 UJ	37.9 UJ	194.4 UJ	37.1 UJ	37.9 UJ
Aroclor 1254	UG/KG	35.5 U	37.9 UJ	37.9 UJ	194.4 UJ	37.1 UJ	37.9 UJ
Aroclor 1260	UG/KG	35.5 U	37.9 UJ	37.9 UJ	317 J	37.1 UJ	37.9 UJ

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 ONSITE SUBSURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-0S-SB14-02	41-0S-SB15-01	41-0S-SB15-02	41-0S-SB16-01	41-0S-SB17-01	41-0S-SB17-02
Laboratory Sample ID:	9402064-03	9402070-02	9402070-03	9402043-06	9402052-01	9402052-02
Date Sampled:						
Percent Solids	92.8	86.6	87	84.9	88.9	87.1
CHEMICAL SURETY						
Acetophenone	UG/KG	356 U	380 U	380 U	389 U	371 U
Chloroacetophenone	UG/KG	356 U	380 U	380 U	389 U	371 U
Hydroxyacetophenone	UG/KG	1780 U	1900 U	1900 U	1950 U	1850 U
Bis(2'-chloroethyl)disulfide	UG/KG	1780 U	1900 U	1900 U	1950 U	1850 U
Bis(2'-chloroethyl)trisulfide	UG/KG	1780 U	1900 U	1900 U	1950 U	1850 U
1,4-Dithiane	UG/KG	356 U	380 U	380 U	389 U	371 U
1,4-Oxathiane	UG/KG	356 U	380 U	380 U	389 U	371 U
THIODIGLYCOL						
Thiodiglycol	MG/KG	6.75 U	7.19 U	7.19 U	7.38 U	7 U
ORDNANCE						
1,3,5-Trinitrobenzene	UG/KG	40.2 U	40.2 UJ	40.2 U	40.2 U	40.2 U
1,3-Dinitrobenzene	UG/KG	37.2 U	37.2 UJ	37.2 U	37.2 U	37.2 U
2,4,6-Trinitrotoluene	UG/KG	35.6 U	35.6 UJ	35.6 U	35.6 U	35.6 U
2,4-Dinitrotoluene	UG/KG	51.6 U	51.6 UJ	51.6 U	51.6 U	51.6 U
2,6-Dinitrotoluene	UG/KG	47.6 U	47.6 UJ	47.6 U	47.6 U	47.6 U
2-Amino-4,6-dinitrotoluene	UG/KG	46.7 U	46.7 UJ	46.7 U	46.7 U	46.7 U
2-Nitrotoluene	UG/KG	81.4 U	81.4 UJ	81.4 U	81.4 U	81.4 U
3-Nitrotoluene	UG/KG	81.7 U	81.7 UJ	81.7 U	81.7 U	81.7 U
4-Amino-2,6-dinitrotoluene	UG/KG	40.8 U	40.8 UJ	40.8 U	40.8 U	40.8 U
4-Nitrotoluene	UG/KG	87.2 U	87.2 UJ	87.2 U	87.2 U	87.2 U
HMX	UG/KG	70.5 U	70.5 UJ	70.5 U	70.5 U	70.5 U
Nitrobenzene	UG/KG	35.2 U	35.2 UJ	35.2 U	35.2 U	35.2 U
RDX	UG/KG	50.9 U	50.9 UJ	50.9 U	50.9 U	50.9 U
Tetryl	UG/KG	163 UJ	163 UJ	163 UJ	163 U	163 U
MIREX						
Mirex	UG/KG	1780 U	1900 U	1900 U	1950 U	1850 UJ

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 ONSITE SUBSURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-0S-SB18-01	41-0S-SB19-01	41-0S-SB21-01	41-0S-SB21-02	41-0S-SB22-01	41-0S-SB22-03	
Laboratory Sample ID:	9402061-03	9402043-04	9402052-06	9402052-07	9402061-05	9402061-06	
Date Sampled:							
Percent Solids	87.7	87.9	69.7	82	89.3	76.9	
SEMIVOLATILES							
1,2-Dichlorobenzene	UG/KG	375 U	376 U	471 U	402 U	371 U	428 U
1,2,4-Trichlorobenzene	UG/KG	375 U	376 U	471 U	402 U	371 U	428 U
1,3-Dichlorobenzene	UG/KG	375 U	376 U	471 U	402 U	371 U	428 U
1,4-Dichlorobenzene	UG/KG	375 U	376 U	471 U	402 U	371 U	428 U
2-Chloronaphthalene	UG/KG	375 U	376 U	471 U	402 U	371 U	428 U
2-Chlorophenol	UG/KG	375 U	376 U	471 U	402 U	371 U	428 U
2-Methylnaphthalene	UG/KG	375 U	376 U	471 U	402 U	371 U	550
2-Methylphenol	UG/KG	375 U	376 U	471 U	402 U	371 U	428 U
2-Nitroaniline	UG/KG	909 U	912 U	1140 U	976 U	899 U	1040 U
2-Nitrophenol	UG/KG	375 U	376 U	471 U	402 U	371 U	428 U
2,2'-oxybis-(1-chloropropane	UG/KG	375 U	376 U	471 U	402 U	371 U	428 U
2,4-Dichlorophenol	UG/KG	375 U	376 U	471 U	402 U	371 U	428 U
2,4-Dimethylphenol	UG/KG	375 U	376 U	471 U	402 U	371 U	428 U
2,4-Dinitrophenol	UG/KG	909 U	912 U	1140 U	976 U	899 U	1040 U
2,4-Dinitrotoluene	UG/KG	375 U	376 U	471 U	402 U	371 U	428 U
2,4,5-Trichlorophenol	UG/KG	909 U	912 U	1140 U	976 U	899 U	1040 U
2,4,6-Trichlorophenol	UG/KG	375 U	376 U	471 U	402 U	371 U	428 U
2,6-Dinitrotoluene	UG/KG	375 U	376 U	471 U	402 U	371 U	428 U
3-Nitroaniline	UG/KG	909 U	912 U	1140 U	976 U	899 U	1040 U
3,3'-Dichlorobenzidine	UG/KG	375 U	376 U	471 U	402 U	371 U	428 U
4-Bromophenyl-phenylether	UG/KG	375 U	376 U	471 U	402 U	371 U	428 U
4-Chloro-3-methylphenol	UG/KG	375 U	376 U	471 U	61 J	371 U	428 U
4-Chloroaniline	UG/KG	375 U	376 U	471 U	402 U	371 U	428 U
4-Chlorophenyl phenyl ether	UG/KG	375 U	376 U	471 U	402 U	371 U	428 U
4-Methylphenol	UG/KG	375 U	376 U	471 U	402 U	371 U	53 J
4-Nitroaniline	UG/KG	909 U	912 U	1140 U	976 U	899 U	1040 U
4-Nitrophenol	UG/KG	909 U	912 U	1140 U	976 U	899 U	1040 U
4,6-Dinitro-2-methylphenol	UG/KG	909 U	912 U	1140 U	976 U	899 U	1040 U
Acenaphthene	UG/KG	375 U	376 U	471 U	402 U	371 U	428 U
Acenaphthylene	UG/KG	375 U	376 U	471 U	402 U	371 U	428 U
Anthracene	UG/KG	375 U	376 U	471 U	402 U	371 U	428 U
Benzo[a]anthracene	UG/KG	375 U	376 U	471 U	402 U	371 U	428 U
Benzo[a]pyrene	UG/KG	375 U	376 U	471 U	402 U	371 U	428 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 ONSITE SUBSURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-0S-SB18-01	41-0S-SB19-01	41-0S-SB21-01	41-0S-SB21-02	41-0S-SB22-01	41-0S-SB22-03	
Laboratory Sample ID:	9402061-03	9402043-04	9402052-06	9402052-07	9402061-05	9402061-06	
Date Sampled:							
Percent Solids	87.7	87.9	69.7	82	89.3	76.9	
SEMIVOLATILES Cont.							
Benzo[b]fluoranthene	UG/KG	375 U	376 U	471 U	402 U	371 U	428 U
Benzo[g,h,i]perylene	UG/KG	375 U	376 U	471 U	402 U	371 U	428 U
Benzo[k]fluoranthene	UG/KG	375 U	376 U	471 U	402 U	371 U	428 U
bis(2-Chloroethoxy) methane	UG/KG	375 U	376 U	471 U	402 U	371 U	428 U
bis(2-Chloroethyl) ether	UG/KG	375 U	376 U	471 U	402 U	371 U	428 U
bis(2-Ethylhexyl)phthalate	UG/KG	88 J	57 J	471 U	402 U	371 U	428 U
Butyl benzyl phthalate	UG/KG	88 J	376 U	471 U	402 U	371 U	428 U
Carbazole	UG/KG	375 U	376 U	471 U	402 U	371 U	428 U
Chrysene	UG/KG	43 J	376 U	471 U	402 U	371 U	428 U
Dibenzofuran	UG/KG	375 U	376 U	471 U	402 U	371 U	428 U
Dibenz[a,h]anthracene	UG/KG	375 U	376 U	471 U	402 U	371 U	428 U
Diethylphthalate	UG/KG	375 U	376 U	471 U	402 U	371 U	428 U
Dimethyl phthalate	UG/KG	375 U	376 U	471 U	402 U	371 U	428 U
di-n-Butylphthalate	UG/KG	375 U	380 UR	480 U	410 U	371 U	428 U
di-n-Octylphthalate	UG/KG	180 J	376 U	471 U	402 U	180 J	640
Fluoranthene	UG/KG	69 J	376 U	471 U	402 U	371 U	428 U
Fluorene	UG/KG	375 U	376 U	471 U	402 U	371 U	44 J
Hexachlorobenzene	UG/KG	375 U	376 U	471 U	402 U	371 U	428 U
Hexachlorobutadiene	UG/KG	375 U	376 U	471 U	402 U	371 U	428 U
Hexachlorocyclopentadiene	UG/KG	375 U	376 U	471 U	402 U	371 U	428 U
Hexachloroethane	UG/KG	375 U	376 U	471 U	402 U	371 U	428 U
Indeno[1,2,3-cd]pyrene	UG/KG	375 U	376 U	471 U	402 U	371 U	428 U
Isophorone	UG/KG	375 U	376 U	471 U	402 U	371 U	428 U
Naphthalene	UG/KG	375 U	376 U	471 U	402 U	371 U	290 J
Nitrobenzene	UG/KG	375 U	376 U	471 U	402 U	371 U	428 U
N-Nitroso-di-n-propylamine	UG/KG	375 U	376 U	471 U	402 U	371 U	428 U
N-nitrosodiphenylamine	UG/KG	375 U	376 U	471 U	402 U	371 U	428 U
Pentachlorophenol	UG/KG	909 U	912 U	1140 U	976 U	899 U	1040 U
Phenanthrene	UG/KG	39 J	376 U	471 U	402 U	371 U	103 J
Phenol	UG/KG	375 U	376 U	471 U	402 U	371 U	428 U
Pyrene	UG/KG	63 J	376 U	471 U	402 U	371 U	428 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 ONSITE SUBSURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-OS-SB18-01	41-OS-SB19-01	41-OS-SB21-01	41-OS-SB21-02	41-OS-SB22-01	41-OS-SB22-03	
Laboratory Sample ID:	9402061-03	9402043-04	9402052-06	9402052-07	9402061-05	9402061-06	
Date Sampled:							
Percent Solids	87.7	87.9	69.7	82	89.3	76.9	
VOLATILES							
Chloromethane	UG/KG	11.4 U	11.4 U	14.3 U	12.2 U	11.2 U	13 U
Bromomethane	UG/KG	11.4 U	11.4 U	14.3 U	12.2 U	11.2 U	13 U
Vinyl chloride	UG/KG	11.4 U	11.4 U	14.3 U	12.2 U	11.2 U	13 U
Chloroethane	UG/KG	11.4 U	11.4 U	14.3 U	12.2 U	11.2 U	13 U
Methylene chloride	UG/KG	11 U	11 U	2 J	9 J	11 U	13 U
Acetone	UG/KG	11.4 UJ	11.4 U	160 J	53 U	11.2 UJ	40 J
Carbon Disulfide	UG/KG	11.4 U	11.4 U	14.3 U	12.2 U	11.2 U	13 U
1,1-Dichloroethene	UG/KG	11.4 U	11.4 U	14.3 U	12.2 U	11.2 U	13 U
1,1-Dichloroethane	UG/KG	11.4 U	11.4 U	14.3 U	12.2 U	11.2 U	13 U
1,2-Dichloroethene(total)	UG/KG	11.4 U	11.4 U	14.3 U	12.2 U	11.2 U	13 U
Chloroform	UG/KG	11.4 U	11.4 U	14.3 U	12.2 U	11.2 U	13 U
1,2-Dichloroethane	UG/KG	11.4 U	11.4 U	14.3 U	12.2 U	11.2 U	13 U
2-Butanone	UG/KG	11.4 U	11.4 U	14.3 U	12.2 R	11.2 U	1 J
1,1,1-Trichloroethane	UG/KG	11.4 U	11.4 U	14.3 U	12.2 U	11.2 U	13 U
Carbon tetrachloride	UG/KG	11.4 U	11.4 U	14.3 U	12.2 U	11.2 U	13 U
Bromodichloromethane	UG/KG	11.4 U	11.4 U	14.3 U	12.2 U	11.2 U	13 U
1,2-Dichloropropane	UG/KG	11.4 U	11.4 U	14.3 U	12.2 U	11.2 U	13 U
cis-1,3-Dichloropropene	UG/KG	11.4 U	11.4 U	14.3 U	12.2 U	11.2 U	13 U
Trichloroethene	UG/KG	11.4 U	11.4 U	14.3 U	12.2 U	11.2 U	13 U
Dibromochloromethane	UG/KG	11.4 U	11.4 U	14.3 U	12.2 U	11.2 U	13 U
1,1,2-Trichloroethane	UG/KG	11.4 U	11.4 U	14.3 U	12.2 U	11.2 U	13 U
Benzene	UG/KG	11.4 U	11.4 U	14.3 U	12.2 U	11.2 U	13 U
trans-1,3-Dichloropropene	UG/KG	11.4 U	11.4 U	14.3 U	12.2 U	11.2 U	13 U
Bromoform	UG/KG	11.4 U	11.4 U	14.3 U	12.2 U	11.2 U	13 U
4-Methyl-2-pentanone	UG/KG	11.4 U	11.4 U	14.3 U	12.2 U	11.2 U	13 U
2-Hexanone	UG/KG	11.4 U	11.4 U	14.3 U	12.2 U	11.2 U	13 U
Tetrachloroethene	UG/KG	11.4 U	11.4 U	14.3 U	12.2 U	11.2 U	13 U
1,1,2,2-Tetrachloroethane	UG/KG	11.4 U	11.4 U	14.3 U	12.2 U	11.2 U	13 U
Toluene	UG/KG	11.4 U	11.4 U	14.3 U	12.2 U	11.2 U	13 U
Chlorobenzene	UG/KG	11.4 U	11.4 U	14.3 U	12.2 U	11.2 U	100
Ethylbenzene	UG/KG	11.4 U	11.4 U	14.3 U	12.2 U	11.2 U	58
Styrene	UG/KG	11.4 U	11.4 U	14.3 U	12.2 U	11.2 U	13 U
Xylenes (total)	UG/KG	11.4 U	11.4 U	14.3 U	12.2 U	11.2 U	13 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 ONSITE SUBSURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-OS-SB18-01	41-OS-SB19-01	41-OS-SB21-01	41-OS-SB21-02	41-OS-SB22-01	41-OS-SB22-03	
Laboratory Sample ID:	9402061-03	9402043-04	9402052-06	9402052-07	9402061-05	9402061-06	
Date Sampled:							
Percent Solids	87.7	87.9	69.7	82	89.3	76.9	
PESTICIDE/PCBS							
alpha-BHC	UG/KG	1.93 UJ	1.93 UJ	2.43 UJ	2.07 UJ	1.91 UJ	2.21 UJ
beta-BHC	UG/KG	1.93 UJ	1.93 R	2.43 UJ	2.07 UJ	1.91 UJ	2.21 UJ
delta-BHC	UG/KG	1.93 UJ	0.91 J	2.43 UJ	2.07 UJ	1.91 UJ	2.21 UJ
Lindane (gamma-BHC)	UG/KG	1.93 UJ	1.93 UJ	2.43 U	2.07 UJ	1.91 UJ	2.21 UJ
Heptachlor	UG/KG	1.93 UJ	1.93 U	2.43 U	2.07 UJ	1.91 UJ	0.68 J
Aldrin	UG/KG	1.93 UJ	1.93 UJ	2.43 U	2.07 UJ	1.91 UJ	2.21 UJ
Heptachlor epoxide	UG/KG	1.93 UJ	1.93 UJ	2.43 U	2.07 UJ	1.91 UJ	2.21 UJ
Endosulfan I	UG/KG	2.92 NJ	1.93 UJ	2.43 U	2.07 UJ	0.78 NJ	2.21 UJ
Dieldrin	UG/KG	60 NJ	3.75 UJ	4.71 U	4.02 UJ	4.78 J	4.3 J
4,4'-DDE	UG/KG	8.77 NJ	3.75 R	4.71 U	4.02 UJ	1.84 J	5.3 J
Endrin	UG/KG	3.75 UJ	3.75 R	4.71 U	4.02 UJ	3.71 UJ	4.28 UJ
Endosulfan II	UG/KG	19.4 J	3.75 UJ	4.71 U	4.02 UJ	3.67 J	4.28 UJ
4,4'-DDD	UG/KG	12.4 J	3.75 R	4.71 U	4.02 UJ	1.87 NJ	1060 J
Endosulfan sulfate	UG/KG	3.75 UJ	3.75 R	4.71 U	4.02 UJ	3.71 UJ	4.28 UJ
4,4'-DDT	UG/KG	5.95 J	3.75 UJ	4.71 UJ	4.02 UJ	2.85 NJ	56.8 J
Methoxychlor	UG/KG	19.3 UJ	19.3 UJ	24.3 UJ	20.7 UJ	19.1 UJ	22.1 UJ
Endrin ketone	UG/KG	3.75 UJ	3.75 R	4.71 U	4.02 UJ	3.71 UJ	4.28 UJ
Endrin aldehyde	UG/KG	4.38 J	3.75 R	4.71 U	4.02 UJ	3.71 UJ	4.28 UJ
alpha-Chlordane	UG/KG	3.39 NJ	1.93 UJ	2.43 U	2.07 UJ	1.69 J	2.21 UJ
gamma-Chlordane	UG/KG	1.93 UJ	1.93 UJ	2.43 U	2.07 UJ	0.9 J	2.21 UJ
Toxaphene	UG/KG	193 UJ	193 UJ	243 U	207 UJ	191 UJ	221 UJ
Aroclor 1016	UG/KG	37.5 UJ	37.5 UJ	47.1 U	40.2 UJ	37.1 UJ	42.8 UJ
Aroclor 1221	UG/KG	76.1 UJ	76.1 UJ	95.7 U	81.7 UJ	75.3 UJ	87 UJ
Aroclor 1232	UG/KG	37.5 UJ	37.5 UJ	47.1 U	40.2 UJ	37.1 UJ	42.8 UJ
Aroclor 1242	UG/KG	37.5 UJ	37.5 UJ	47.1 U	40.2 UJ	37.1 UJ	42.8 UJ
Aroclor 1248	UG/KG	37.5 UJ	37.5 UJ	47.1 U	40.2 UJ	37.1 UJ	42.8 UJ
Aroclor 1254	UG/KG	37.5 UJ	36.7 J	47.1 U	40.2 UJ	37.1 UJ	42.8 UJ
Aroclor 1260	UG/KG	37.5 UJ	37.5 UJ	47.1 U	40.2 UJ	37.1 UJ	42.8 UJ

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 ONSITE SUBSURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-OS-SB18-01	41-OS-SB19-01	41-OS-SB21-01	41-OS-SB21-02	41-OS-SB22-01	41-OS-SB22-03	
Laboratory Sample ID:	9402061-03	9402043-04	9402052-06	9402052-07	9402061-05	9402061-06	
Date Sampled:							
Percent Solids	87.7	87.9	69.7	82	89.3	76.9	
CHEMICAL SURETY							
Acetophenone	UG/KG	375 U	376 U	471 U	120 J	371 U	428 U
Chloroacetophenone	UG/KG	375 U	376 U	471 U	402 U	371 U	428 U
Hydroxyacetophenone	UG/KG	1870 U	1880 U	2360 U	2010 U	1850 U	2140 U
Bis(2'-chloroethyl)disulfide	UG/KG	1870 U	1880 U	2360 U	2010 U	1850 U	2140 U
Bis(2'-chloroethyl)trisulfide	UG/KG	1870 U	1880 U	2360 U	2010 U	1850 U	2140 U
1,4-Dithiane	UG/KG	375 U	376 U	471 U	402 U	371 U	428 U
1,4-Oxathiane	UG/KG	375 U	376 U	471 U	402 U	371 U	428 U
THIODIGLYCOL							
Thiodiglycol	MG/KG	7.12 U	7.12 U	8.94 U	7.62 U	7 U	8.12 U
ORDNANCE							
1,3,5-Trinitrobenzene	UG/KG	40.2 U	40.2 U	40.2 U	40.2 U	40.2 U	40.2 U
1,3-Dinitrobenzene	UG/KG	37.2 U	37.2 U	37.2 U	37.2 U	37.2 U	37.2 U
2,4,6-Trinitrotoluene	UG/KG	35.6 U	35.6 U	35.6 U	35.6 U	35.6 U	35.6 U
2,4-Dinitrotoluene	UG/KG	51.6 U	51.6 U	51.6 U	51.6 U	51.6 U	51.6 U
2,6-Dinitrotoluene	UG/KG	47.6 U	47.6 U	47.6 U	47.6 U	47.6 U	47.6 U
2-Amino-4,6-dinitrotoluene	UG/KG	46.7 U	46.7 U	46.7 U	46.7 U	46.7 U	46.7 U
2-Nitrotoluene	UG/KG	81.4 U	81.4 U	81.4 U	81.4 U	81.4 U	81.4 U
3-Nitrotoluene	UG/KG	81.7 U	81.7 U	81.7 U	81.7 U	81.7 U	81.7 U
4-Amino-2,6-dinitrotoluene	UG/KG	40.8 U	40.8 U	40.8 U	40.8 U	40.8 U	40.8 U
4-Nitrotoluene	UG/KG	87.2 U	87.2 U	87.2 U	87.2 U	87.2 U	87.2 U
HMX	UG/KG	70.5 U	70.5 U	70.5 U	70.5 U	70.5 U	70.5 U
Nitrobenzene	UG/KG	35.2 U	35.2 U	35.2 U	35.2 U	35.2 U	35.2 U
RDX	UG/KG	50.9 U	50.9 U	50.9 U	50.9 U	50.9 U	50.9 U
Tetryl	UG/KG	163 U	163 U	163 U	163 U	163 U	163 U
MIREX							
Mirex	UG/KG	1870 U	1880 U	2360 UJ	2010 UJ	1850 U	2140 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 ONSITE SUBSURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-OS-SB23-01	41-OS-SB24-01	41-OS-SB24-02	41-OS-SB25-01	41-OS-SB26-01	41-OS-SB27-01	
Laboratory Sample ID:	9402043-02	9402061-08	9402061-09	9402088-02A	9402088-04A	9402088-07A	
Date Sampled:							
Percent Solids	84.2	84.3	86	83.7	81.8	85	
SEMIVOLATILES							
1,2-Dichlorobenzene	UG/KG	396 U	393 U	384 U	393 U	409 U	389 U
1,2,4-Trichlorobenzene	UG/KG	396 U	393 U	384 U	393 U	409 U	389 U
1,3-Dichlorobenzene	UG/KG	396 U	393 U	384 U	393 U	409 U	389 U
1,4-Dichlorobenzene	UG/KG	396 U	393 U	384 U	393 U	409 U	389 U
2-Chloronaphthalene	UG/KG	396 U	393 U	384 U	393 U	409 U	389 U
2-Chlorophenol	UG/KG	396 U	393 U	384 U	393 U	409 U	389 U
2-Methylnaphthalene	UG/KG	396 U	393 U	384 U	393 U	409 U	389 U
2-Methylphenol	UG/KG	396 U	393 U	384 U	393 U	409 U	389 U
2-Nitroaniline	UG/KG	960 U	952 U	930 U	952 U	992 U	944 U
2-Nitrophenol	UG/KG	396 U	393 U	384 U	393 U	409 U	389 U
2,2'-oxybis-(1-chloropropane	UG/KG	396 U	393 U	384 U	393 U	409 U	389 U
2,4-Dichlorophenol	UG/KG	396 U	393 U	384 U	393 U	409 U	389 U
2,4-Dimethylphenol	UG/KG	396 U	393 U	384 U	393 U	409 U	389 U
2,4-Dinitrophenol	UG/KG	960 U	952 U	930 U	952 U	992 U	944 U
2,4-Dinitrotoluene	UG/KG	396 U	393 U	384 U	393 U	409 U	389 U
2,4,5-Trichlorophenol	UG/KG	960 U	952 U	930 U	952 U	992 U	944 U
2,4,6-Trichlorophenol	UG/KG	396 U	393 U	384 U	393 U	409 U	389 U
2,6-Dinitrotoluene	UG/KG	396 U	393 U	384 U	393 U	409 U	389 U
3-Nitroaniline	UG/KG	960 U	952 U	930 U	952 U	992 U	944 U
3,3'-Dichlorobenzidine	UG/KG	396 U	393 U	384 U	393 U	409 U	389 U
4-Bromophenyl-phenylether	UG/KG	396 U	393 U	384 U	393 U	409 U	389 U
4-Chloro-3-methylphenol	UG/KG	396 U	393 U	384 U	393 U	409 U	389 U
4-Chloroaniline	UG/KG	396 U	393 U	384 U	393 U	409 U	389 U
4-Chlorophenyl phenyl ether	UG/KG	396 U	393 U	384 U	393 U	409 U	389 U
4-Methylphenol	UG/KG	396 U	393 U	384 U	393 U	409 U	389 U
4-Nitroaniline	UG/KG	960 U	952 U	930 U	952 U	992 U	944 U
4-Nitrophenol	UG/KG	960 U	952 U	930 U	952 U	992 U	944 U
4,6-Dinitro-2-methylphenol	UG/KG	960 U	952 U	930 U	952 U	992 U	944 U
Acenaphthene	UG/KG	396 U	393 U	384 U	393 U	409 U	389 U
Acenaphthylene	UG/KG	396 U	393 U	384 U	393 U	409 U	389 U
Anthracene	UG/KG	396 U	393 U	384 U	393 U	409 U	389 U
Benzo[a]anthracene	UG/KG	396 U	393 U	384 U	393 U	409 U	389 U
Benzo[a]pyrene	UG/KG	396 U	393 U	384 U	393 U	409 U	389 U

FREQUENCY OF DETECTION SUMMARY
OPERABLE UNIT NO. 4 (SITE 41)
ONSITE SUBSURFACE SOIL
MCB CAMP LEJEUNE, NORTH CAROLINA
REMEDIAL INVESTIGATION - CTO-0212
ORGANICS

Client Sample ID:	41-OS-SB23-01	41-OS-SB24-01	41-OS-SB24-02	41-OS-SB25-01	41-OS-SB26-01	41-OS-SB27-01
Laboratory Sample ID:	9402043-02	9402061-08	9402061-09	9402088-02A	9402088-04A	9402088-07A
Date Sampled:						
Percent Solids	84.2	84.3	86	83.7	81.8	85
SEMIVOLATILES Cont.						
Benzo[b]fluoranthene	UG/KG	396 U	393 U	384 U	393 U	389 U
Benzo[g,h,i]perylene	UG/KG	396 U	393 U	384 U	393 U	389 U
Benzo[k]fluoranthene	UG/KG	396 U	393 U	384 U	393 U	389 U
bis(2-Chloroethoxy) methane	UG/KG	396 U	393 U	384 U	393 U	389 U
bis(2-Chloroethyl) ether	UG/KG	396 U	393 U	384 U	393 U	389 U
bis(2-Ethylhexyl)phthalate	UG/KG	98 J	393 U	384 U	393 U	389 U
Butyl benzyl phthalate	UG/KG	396 U	393 U	384 U	393 U	389 U
Carbazole	UG/KG	396 U	393 U	384 U	393 U	389 U
Chrysene	UG/KG	396 U	393 U	384 U	393 U	389 U
Dibenzofuran	UG/KG	396 U	393 U	384 U	393 U	389 U
Dibenz[a,h]anthracene	UG/KG	396 U	393 U	384 U	393 U	389 U
Diethylphthalate	UG/KG	396 U	393 U	384 U	393 U	389 U
Dimethyl phthalate	UG/KG	396 U	393 U	384 U	393 U	389 U
di-n-Butylphthalate	UG/KG	400 UR	393 U	384 U	130 J	389 U
di-n-Octylphthalate	UG/KG	396 U	140 J	40 J	393 U	389 U
Fluoranthene	UG/KG	396 U	46 J	384 U	393 U	389 U
Fluorene	UG/KG	396 U	393 U	384 U	393 U	389 U
Hexachlorobenzene	UG/KG	396 U	393 U	384 U	393 U	389 U
Hexachlorobutadiene	UG/KG	396 U	393 U	384 U	393 U	389 U
Hexachlorocyclopentadiene	UG/KG	396 U	393 U	384 U	393 U	389 U
Hexachloroethane	UG/KG	396 U	393 U	384 U	393 U	389 U
Indeno[1,2,3-cd]pyrene	UG/KG	396 U	393 U	384 U	393 U	389 U
Isophorone	UG/KG	396 U	393 U	384 U	393 U	389 U
Naphthalene	UG/KG	396 U	393 U	384 U	393 U	389 U
Nitrobenzene	UG/KG	396 U	393 U	384 U	393 U	389 U
N-Nitroso-di-n-propylamine	UG/KG	396 U	393 U	384 U	393 U	389 U
N-nitrosodiphenylamine	UG/KG	396 U	393 U	384 U	393 U	389 U
Pentachlorophenol	UG/KG	960 U	952 U	930 U	952 U	944 U
Phenanthrene	UG/KG	396 U	393 U	384 U	393 U	389 U
Phenol	UG/KG	396 U	393 U	384 U	393 U	389 U
Pyrene	UG/KG	396 U	63 J	384 U	393 U	389 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 ONSITE SUBSURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-OS-SB23-01	41-OS-SB24-01	41-OS-SB24-02	41-OS-SB25-01	41-OS-SB26-01	41-OS-SB27-01
Laboratory Sample ID:	9402043-02	9402061-08	9402061-09	9402088-02A	9402088-04A	9402088-07A
Date Sampled:						
Percent Solids	84.2	84.3	86	83.7	81.8	85
VOLATILES						
Chloromethane	UG/KG	11.9 U	11.9 U	11.6 U	12 UJ	12 U
Bromomethane	UG/KG	11.9 U	11.9 U	11.6 U	12 UJ	12 U
Vinyl chloride	UG/KG	11.9 U	11.9 U	11.6 U	12 UJ	12 U
Chloroethane	UG/KG	11.9 U	11.9 U	11.6 U	12 UJ	12 U
Methylene chloride	UG/KG	17 U	12 U	12 U	12 UJ	12 U
Acetone	UG/KG	67 U	17 J	39 J	12 UJ	22
Carbon Disulfide	UG/KG	11.9 U	11.9 U	11.6 U	12 UJ	12 U
1,1-Dichloroethene	UG/KG	11.9 U	11.9 U	11.6 U	12 UJ	12 U
1,1-Dichloroethane	UG/KG	11.9 U	11.9 U	11.6 U	12 UJ	12 U
1,2-Dichloroethene(total)	UG/KG	11.9 U	11.9 U	11.6 U	12 UJ	12 U
Chloroform	UG/KG	11.9 U	11.9 U	11.6 U	12 UJ	12 U
1,2-Dichloroethane	UG/KG	11.9 U	11.9 U	11.6 U	12 UJ	12 U
2-Butanone	UG/KG	11.9 R	11.9 U	4 J	12 UJ	12 U
1,1,1-Trichloroethane	UG/KG	11.9 U	11.9 U	11.6 U	12 UJ	12 U
Carbon tetrachloride	UG/KG	11.9 U	11.9 U	11.6 U	12 UJ	12 U
Bromodichloromethane	UG/KG	11.9 U	11.9 U	11.6 U	12 UJ	12 U
1,2-Dichloropropane	UG/KG	11.9 U	11.9 U	11.6 U	12 UJ	12 U
cis-1,3-Dichloropropene	UG/KG	11.9 U	11.9 U	11.6 U	12 UJ	12 U
Trichloroethene	UG/KG	11.9 U	11.9 U	11.6 U	12 UJ	12 U
Dibromochloromethane	UG/KG	11.9 U	11.9 U	11.6 U	12 UJ	12 U
1,1,2-Trichloroethane	UG/KG	11.9 U	11.9 U	11.6 U	12 UJ	12 U
Benzene	UG/KG	11.9 U	11.9 U	11.6 U	12 UJ	12 U
trans-1,3-Dichloropropene	UG/KG	11.9 U	11.9 U	11.6 U	12 UJ	12 U
Bromoform	UG/KG	11.9 U	11.9 U	11.6 U	12 UJ	12 U
4-Methyl-2-pentanone	UG/KG	11.9 U	11.9 U	11.6 U	12 UJ	12 U
2-Hexanone	UG/KG	11.9 U	11.9 U	11.6 U	12 UJ	12 U
Tetrachloroethene	UG/KG	11.9 U	11.9 U	11.6 U	12 UJ	12 U
1,1,2,2-Tetrachloroethane	UG/KG	11.9 U	11.9 U	11.6 U	12 UJ	12 U
Toluene	UG/KG	11.9 U	11.9 U	11.6 U	12 UJ	12 U
Chlorobenzene	UG/KG	11.9 U	11.9 U	11.6 U	12 UJ	12 U
Ethylbenzene	UG/KG	11.9 U	11.9 U	11.6 U	12 UJ	12 U
Styrene	UG/KG	11.9 U	11.9 U	11.6 U	12 UJ	12 U
Xylenes (total)	UG/KG	11.9 U	11.9 U	11.6 U	12 UJ	12 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 ONSITE SUBSURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-OS-SB23-01	41-OS-SB24-01	41-OS-SB24-02	41-OS-SB25-01	41-OS-SB26-01	41-OS-SB27-01	
Laboratory Sample ID:	9402043-02	9402061-08	9402061-09	9402088-02A	9402088-04A	9402088-07A	
Date Sampled:							
Percent Solids	84.2	84.3	86	83.7	81.8	85	
PESTICIDE/PCBS							
alpha-BHC	UG/KG	2.02 UJ	2.02 UJ	1.98 R	2.02 UJ	2.07 UJ	4 UJ
beta-BHC	UG/KG	2.02 R	2.02 UJ	1.98 R	2.02 UJ	2.07 UJ	4 UJ
delta-BHC	UG/KG	2.02 UJ	2.02 UJ	1.98 R	2.02 UJ	2.07 UJ	4 UJ
Lindane (gamma-BHC)	UG/KG	2.02 UJ	2.02 UJ	1.98 R	2.02 UJ	2.07 UJ	4 UJ
Heptachlor	UG/KG	2.02 UJ	2.02 UJ	1.98 R	2.02 UJ	2.07 UJ	4 UJ
Aldrin	UG/KG	2.02 UJ	2.02 UJ	1.98 R	2.02 UJ	2.07 UJ	4 UJ
Heptachlor epoxide	UG/KG	2.02 UJ	2.02 UJ	1.98 R	2.02 UJ	2.07 UJ	4 UJ
Endosulfan I	UG/KG	2.02 UJ	2.02 UJ	1.98 R	2.02 UJ	2.07 UJ	4 UJ
Dieldrin	UG/KG	4.51 J	0.87 NJ	0.69 NJ	3.93 UJ	4.02 UJ	7.76 UJ
4,4'-DDE	UG/KG	5.3 J	2.31 J	1.32 J	3.93 UJ	4.02 UJ	7.76 UJ
Endrin	UG/KG	3.93 R	3.93 UJ	3.84 R	3.93 UJ	4.02 UJ	7.76 UJ
Endosulfan II	UG/KG	3.93 UJ	1.11 J	0.5 NJ	3.93 UJ	4.02 UJ	7.76 UJ
4,4'-DDD	UG/KG	3.93 R	2.4 J	3.32 J	3.93 UJ	4.02 UJ	7.76 UJ
Endosulfan sulfate	UG/KG	3.93 R	3.93 UJ	3.84 R	3.93 UJ	4.02 UJ	7.76 UJ
4,4'-DDT	UG/KG	3.93 UJ	0.68 NJ	3.84 R	3.93 UJ	4.02 UJ	7.76 UJ
Methoxychlor	UG/KG	20.2 UJ	20.2 UJ	19.8 R	20.2 UJ	20.7 UJ	40 UJ
Endrin ketone	UG/KG	3.93 R	3.93 UJ	3.84 R	3.93 UJ	4.02 UJ	7.76 UJ
Endrin aldehyde	UG/KG	3.93 R	3.93 UJ	3.84 R	3.93 UJ	4.02 UJ	7.76 UJ
alpha-Chlordane	UG/KG	1.4 J	0.28 NJ	0.85 J	2.02 UJ	2.07 UJ	4 UJ
gamma-Chlordane	UG/KG	0.85 J	2.02 UJ	0.85 J	2.02 UJ	2.07 UJ	4 UJ
Toxaphene	UG/KG	202 UJ	202 UJ	198 R	202 UJ	207 UJ	400 UJ
Aroclor 1016	UG/KG	39.3 UJ	39.3 UJ	38.4 R	39.3 UJ	40.2 UJ	77.6 UJ
Aroclor 1221	UG/KG	79.8 UJ	79.8 UJ	77.9 R	79.8 UJ	81.7 UJ	158 UJ
Aroclor 1232	UG/KG	39.3 UJ	39.3 UJ	38.4 R	39.3 UJ	40.2 UJ	77.6 UJ
Aroclor 1242	UG/KG	39.3 UJ	39.3 UJ	38.4 R	39.3 UJ	40.2 UJ	77.6 UJ
Aroclor 1248	UG/KG	39.3 UJ	39.3 UJ	38.4 R	39.3 UJ	40.2 UJ	77.6 UJ
Aroclor 1254	UG/KG	39.3 UJ	39.3 UJ	38.4 R	39.3 UJ	40.2 UJ	77.6 UJ
Aroclor 1260	UG/KG	34.6 J	39.3 UJ	38.4 R	39.3 UJ	40.2 UJ	77.6 UJ

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 ONSITE SUBSURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-OS-SB23-01	41-OS-SB24-01	41-OS-SB24-02	41-OS-SB25-01	41-OS-SB26-01	41-OS-SB27-01
Laboratory Sample ID:	9402043-02	9402061-08	9402061-09	9402088-02A	9402088-04A	9402088-07A
Date Sampled:						
Percent Solids	84.2	84.3	86	83.7	81.8	85
CHEMICAL SURETY						
Acetophenone	UG/KG	396 U	393 U	384 U	N/A	N/A
Chloroacetophenone	UG/KG	396 U	393 U	384 U	N/A	N/A
Hydroxyacetophenone	UG/KG	1980 U	1960 U	1920 U	N/A	N/A
Bis(2'-chloroethyl)disulfide	UG/KG	1980 U	1960 U	1920 U	N/A	N/A
Bis(2'-chloroethyl)trisulfide	UG/KG	1980 U	1960 U	1920 U	N/A	N/A
1,4-Dithiane	UG/KG	396 U	393 U	384 U	N/A	N/A
1,4-Oxathiane	UG/KG	396 U	393 U	384 U	N/A	N/A
THIODIGLYCOL						
Thiodiglycol	MG/KG	7.44 U	7.44 U	7.25 U	N/A	N/A
ORDNANCE						
1,3,5-Trinitrobenzene	UG/KG	40.2 U	40.2 U	40.2 U	N/A	N/A
1,3-Dinitrobenzene	UG/KG	37.2 U	37.2 U	37.2 U	N/A	N/A
2,4,6-Trinitrotoluene	UG/KG	35.6 U	35.6 U	35.6 U	N/A	N/A
2,4-Dinitrotoluene	UG/KG	51.6 U	51.6 U	51.6 U	N/A	N/A
2,6-Dinitrotoluene	UG/KG	47.6 U	47.6 U	47.6 U	N/A	N/A
2-Amino-4,6-dinitrotoluene	UG/KG	46.7 U	46.7 U	46.7 U	N/A	N/A
2-Nitrotoluene	UG/KG	81.4 U	81.4 U	81.4 U	N/A	N/A
3-Nitrotoluene	UG/KG	81.7 U	81.7 U	81.7 U	N/A	N/A
4-Amino-2,6-dinitrotoluene	UG/KG	40.8 U	40.8 U	40.8 U	N/A	N/A
4-Nitrotoluene	UG/KG	87.2 U	87.2 U	87.2 U	N/A	N/A
HMX	UG/KG	70.5 U	70.5 U	70.5 U	N/A	N/A
Nitrobenzene	UG/KG	35.2 U	35.2 U	35.2 U	N/A	N/A
RDX	UG/KG	50.9 U	50.9 U	50.9 U	N/A	N/A
Tetryl	UG/KG	163 U	163 U	163 U	N/A	N/A
MIREX						
Mirex	UG/KG	1980 UJ	1960 U	1920 U	N/A	N/A

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 ONSITE SUBSURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-OS-SB28-01	41-OS-SB29-01	41-OS-SB30-01	41-OS-SB31-01	41-OS-SB32-01	41-OS-SB33-01
Laboratory Sample ID:	9402088-09A	9402071-04	9402071-06	9402088-11A	9402088-13A	9402071-09
Date Sampled:		02/05/94	02/05/94			02/05/94
Percent Solids	83.2	86.0	61.5	77.5	72.8	79.8
SEMIVOLATILES						
1,2-Dichlorobenzene	UG/KG	396 U	384.0 U	532.0 U	429 U	412.0 U
1,2,4-Trichlorobenzene	UG/KG	396 U	384.0 U	532.0 U	429 U	412.0 U
1,3-Dichlorobenzene	UG/KG	396 U	384.0 U	532.0 U	429 U	412.0 U
1,4-Dichlorobenzene	UG/KG	396 U	384.0 U	532.0 U	429 U	412.0 U
2-Chloronaphthalene	UG/KG	396 U	384.0 U	532.0 U	429 U	412.0 U
2-Chlorophenol	UG/KG	396 U	384.0 U	532.0 U	429 U	412.0 U
2-Methylnaphthalene	UG/KG	396 U	384.0 U	532.0 U	429 U	412.0 U
2-Methylphenol	UG/KG	396 U	384.0 U	532.0 U	429 U	412.0 U
2-Nitroaniline	UG/KG	960 U	930.0 U	1290.0 U	1040 U	1000.0 U
2-Nitrophenol	UG/KG	396 U	384.0 U	532.0 U	429 U	412.0 U
2,2'-oxybis-(1-chloropropane)	UG/KG	396 U	384.0 U	532.0 U	429 U	412.0 U
2,4-Dichlorophenol	UG/KG	396 U	384.0 U	532.0 U	429 U	412.0 U
2,4-Dimethylphenol	UG/KG	396 U	384.0 U	532.0 U	429 U	412.0 U
2,4-Dinitrophenol	UG/KG	960 U	930.0 U	1290.0 U	1040 U	1000.0 U
2,4-Dinitrotoluene	UG/KG	396 U	384.0 U	532.0 U	429 U	412.0 U
2,4,5-Trichlorophenol	UG/KG	960 U	930.0 U	1290.0 U	1040 U	1000.0 U
2,4,6-Trichlorophenol	UG/KG	396 U	384.0 U	532.0 U	429 U	412.0 U
2,6-Dinitrotoluene	UG/KG	396 U	384.0 U	532.0 U	429 U	412.0 U
3-Nitroaniline	UG/KG	960 U	930.0 U	1290.0 U	1040 U	1000.0 U
3,3'-Dichlorobenzidine	UG/KG	396 U	384.0 U	532.0 U	429 U	412.0 U
4-Bromophenyl-phenylether	UG/KG	396 U	384.0 U	532.0 U	429 U	412.0 U
4-Chloro-3-methylphenol	UG/KG	396 U	384.0 U	532.0 U	429 U	412.0 U
4-Chloroaniline	UG/KG	396 U	384.0 U	532.0 U	429 U	412.0 U
4-Chlorophenyl phenyl ether	UG/KG	396 U	384.0 U	532.0 U	429 U	412.0 U
4-Methylphenol	UG/KG	396 U	384.0 U	532.0 U	429 U	412.0 U
4-Nitroaniline	UG/KG	960 U	930.0 U	1290.0 U	1040 U	1000.0 U
4-Nitrophenol	UG/KG	960 U	930.0 U	1290.0 U	1040 U	1000.0 U
4,6-Dinitro-2-methylphenol	UG/KG	960 U	930.0 U	1290.0 U	1040 U	1000.0 U
Acenaphthene	UG/KG	396 U	384.0 U	532.0 U	429 U	412.0 U
Acenaphthylene	UG/KG	396 U	384.0 U	532.0 U	429 U	412.0 U
Anthracene	UG/KG	396 U	384.0 U	532.0 U	429 U	412.0 U
Benzo[a]anthracene	UG/KG	396 U	384.0 U	532.0 U	429 U	412.0 U
Benzo[a]pyrene	UG/KG	396 U	384.0 U	532.0 U	429 U	412.0 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 ONSITE SUBSURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-OS-SB28-01	41-OS-SB29-01	41-OS-SB30-01	41-OS-SB31-01	41-OS-SB32-01	41-OS-SB33-01
Laboratory Sample ID:	9402088-09A	9402071-04	9402071-06	9402088-11A	9402088-13A	9402071-09
Date Sampled:		02/05/94	02/05/94			02/05/94
Percent Solids	83.2	86.0	61.5	77.5	72.8	79.8

SEMIVOLATILES Cont.

Benzo[b]fluoranthene	UG/KG	396 U	384.0 U	532.0 U	429 U	452 U	412.0 U
Benzo[g,h,i]perylene	UG/KG	396 U	384.0 U	532.0 U	429 U	452 U	412.0 U
Benzo[k]fluoranthene	UG/KG	396 U	384.0 U	532.0 U	429 U	452 U	412.0 U
bis(2-Chloroethoxy) methane	UG/KG	396 U	384.0 U	532.0 U	429 U	452 U	412.0 U
bis(2-Chloroethyl) ether	UG/KG	396 U	384.0 U	532.0 U	429 U	452 U	412.0 U
bis(2-Ethylhexyl)phthalate	UG/KG	396 U	384.0 U	532.0 U	429 U	452 U	412.0 U
Butyl benzyl phthalate	UG/KG	396 U	384.0 U	532.0 U	429 U	452 U	412.0 U
Carbazole	UG/KG	396 U	384.0 U	532.0 U	429 U	452 U	412.0 U
Chrysene	UG/KG	396 U	384.0 U	532.0 U	429 U	452 U	412.0 U
Dibenzofuran	UG/KG	396 U	384.0 U	532.0 U	429 U	452 U	412.0 U
Dibenz[a,h]anthracene	UG/KG	396 U	384.0 U	532.0 U	429 U	452 U	412.0 U
Diethylphthalate	UG/KG	396 U	384.0 U	532.0 U	429 U	452 U	412.0 U
Dimethyl phthalate	UG/KG	396 U	384.0 U	532.0 U	429 U	452 U	412.0 U
di-n-Butylphthalate	UG/KG	396 U	384.0 U	532.0 U	429 U	55 J	412.0 U
di-n-Octylphthalate	UG/KG	396 U	384.0 U	532.0 U	429 U	452 U	412.0 U
Fluoranthene	UG/KG	396 U	384.0 U	532.0 U	429 U	452 U	412.0 U
Fluorene	UG/KG	396 U	384.0 U	532.0 U	429 U	452 U	412.0 U
Hexachlorobenzene	UG/KG	396 U	384.0 U	532.0 U	429 U	452 U	412.0 U
Hexachlorobutadiene	UG/KG	396 U	384.0 U	532.0 U	429 U	452 U	412.0 U
Hexachlorocyclopentadiene	UG/KG	396 U	384.0 U	532.0 U	429 U	452 U	412.0 U
Hexachloroethane	UG/KG	396 U	384.0 U	532.0 U	429 U	452 U	412.0 U
Indeno[1,2,3-cd]pyrene	UG/KG	396 U	384.0 U	532.0 U	429 U	452 U	412.0 U
Isophorone	UG/KG	396 U	384.0 U	532.0 U	429 U	452 U	412.0 U
Naphthalene	UG/KG	396 U	384.0 U	532.0 U	429 U	452 U	412.0 U
Nitrobenzene	UG/KG	396 U	384.0 U	532.0 U	429 U	452 U	412.0 U
N-Nitroso-di-n-propylamine	UG/KG	396 U	384.0 U	532.0 U	429 U	452 U	412.0 U
N-nitrosodiphenylamine	UG/KG	396 U	384.0 U	532.0 U	429 U	452 U	412.0 U
Pentachlorophenol	UG/KG	960 U	930.0 U	1290.0 U	1040 U	1100 U	1000.0 U
Phenanthrene	UG/KG	396 U	384.0 U	532.0 U	429 U	452 U	412.0 U
Phenol	UG/KG	396 U	384.0 U	532.0 U	429 U	452 U	412.0 U
Pyrene	UG/KG	396 U	384.0 U	532.0 U	429 U	452 U	412.0 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 ONSITE SUBSURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-OS-SB28-01	41-OS-SB29-01	41-OS-SB30-01	41-OS-SB31-01	41-OS-SB32-01	41-OS-SB33-01
Laboratory Sample ID:	9402088-09A	9402071-04	9402071-06	9402088-11A	9402088-13A	9402071-09
Date Sampled:		02/05/94	02/05/94			02/05/94
Percent Solids	83.2	86.0	61.5	77.5	72.8	79.8
VOLATILES						
Chloromethane	UG/KG	12 U	11.6 U	16.1 U	13 U	12.5 U
Bromomethane	UG/KG	12 U	11.6 U	16.1 U	13 U	12.5 U
Vinyl chloride	UG/KG	12 U	11.6 U	16.1 U	13 U	12.5 U
Chloroethane	UG/KG	12 U	11.6 U	16.1 U	13 U	12.5 U
Methylene chloride	UG/KG	23 U	12.00 U	16.0 U	13 U	12.00 U
Acetone	UG/KG	12 U	11.6 UJ	16.00 UJ	13 U	12.5 UJ
Carbon Disulfide	UG/KG	12 U	11.6 U	16.1 U	13 U	12.5 U
1,1-Dichloroethene	UG/KG	12 U	11.6 U	16.1 U	13 U	12.5 U
1,1-Dichloroethane	UG/KG	12 U	11.6 U	16.1 U	13 U	12.5 U
1,2-Dichloroethene(total)	UG/KG	12 U	11.6 U	16.1 U	13 U	12.5 U
Chloroform	UG/KG	12 U	11.6 U	16.1 U	13 U	12.5 U
1,2-Dichloroethane	UG/KG	12 U	11.6 U	16.1 U	13 U	12.5 U
2-Butanone	UG/KG	12 U	11.6 U	16.1 U	13 U	12.5 U
1,1,1-Trichloroethane	UG/KG	12 U	11.6 U	16.1 U	13 U	12.5 U
Carbon tetrachloride	UG/KG	12 U	11.6 U	16.1 U	13 U	12.5 U
Bromodichloromethane	UG/KG	12 U	11.6 U	16.1 U	13 U	12.5 U
1,2-Dichloropropane	UG/KG	12 U	11.6 U	16.1 U	13 U	12.5 U
cis-1,3-Dichloropropene	UG/KG	12 U	11.6 U	16.1 U	13 U	12.5 U
Trichloroethene	UG/KG	12 U	11.6 U	16.1 U	13 U	12.5 U
Dibromochloromethane	UG/KG	12 U	11.6 U	16.1 U	13 U	12.5 U
1,1,2-Trichloroethane	UG/KG	12 U	11.6 U	16.1 U	13 U	12.5 U
Benzene	UG/KG	12 U	11.6 U	16.1 U	13 U	12.5 U
trans-1,3-Dichloropropene	UG/KG	12 U	11.6 U	16.1 U	13 U	12.5 U
Bromoform	UG/KG	12 U	11.6 U	16.1 U	13 U	12.5 U
4-Methyl-2-pentanone	UG/KG	12 U	11.6 U	16.1 U	13 U	12.5 U
2-Hexanone	UG/KG	12 U	11.6 U	16.1 U	13 U	12.5 U
Tetrachloroethene	UG/KG	12 U	11.6 U	16.1 U	13 U	12.5 U
1,1,2,2-Tetrachloroethane	UG/KG	12 U	11.6 U	16.1 U	13 U	12.5 U
Toluene	UG/KG	12 U	11.6 U	16.1 U	13 U	12.5 U
Chlorobenzene	UG/KG	12 U	11.6 U	16.1 U	13 U	12.5 U
Ethylbenzene	UG/KG	12 U	11.6 U	16.1 U	13 U	12.5 U
Styrene	UG/KG	12 U	11.6 U	16.1 U	13 U	12.5 U
Xylenes (total)	UG/KG	12 U	11.6 U	16.1 U	13 U	12.5 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 ONSITE SUBSURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-OS-SB28-01	41-OS-SB29-01	41-OS-SB30-01	41-OS-SB31-01	41-OS-SB32-01	41-OS-SB33-01
Laboratory Sample ID:	9402088-09A	9402071-04	9402071-06	9402088-11A	9402088-13A	9402071-09
Date Sampled:		02/05/94	02/05/94			02/05/94
Percent Solids	83.2	86.0	61.5	77.5	72.8	79.8
PESTICIDE/PCBS						
alpha-BHC	UG/KG	10.24 UJ	1.98 UJ	2.79 UJ	2.21 UJ	2.12 UJ
beta-BHC	UG/KG	10.24 UJ	1.98 U	2.79 UJ	2.21 UJ	2.12 UJ
delta-BHC	UG/KG	10.24 UJ	1.98 UJ	2.79 UJ	2.21 UJ	2.12 UJ
Lindane (gamma-BHC)	UG/KG	10.24 UJ	1.98 U	2.79 UJ	2.21 UJ	2.12 UJ
Heptachlor	UG/KG	10.24 UJ	1.98 U	2.79 UJ	0.93 J	2.12 UJ
Aldrin	UG/KG	10.24 UJ	1.98 U	2.79 UJ	2.21 UJ	2.12 UJ
Heptachlor epoxide	UG/KG	10.24 UJ	1.98 U	2.79 UJ	2.21 UJ	2.12 UJ
Endosulfan I	UG/KG	10.24 UJ	1.98 U	2.79 UJ	2.21 UJ	2.12 UJ
Dieldrin	UG/KG	19.88 UJ	3.84 U	5.41 UJ	4.28 UJ	4.12 UJ
4,4'-DDE	UG/KG	19.88 UJ	3.84 U	5.41 UJ	0.73 J	4.12 UJ
Endrin	UG/KG	19.88 UJ	3.84 U	5.41 UJ	4.28 UJ	4.12 UJ
Endosulfan II	UG/KG	19.88 UJ	3.84 U	5.41 UJ	4.28 UJ	4.12 UJ
4,4'-DDD	UG/KG	19.88 UJ	3.84 U	5.41 UJ	0.82 J	4.12 UJ
Endosulfan sulfate	UG/KG	19.88 UJ	3.84 U	5.41 UJ	4.28 UJ	4.12 UJ
4,4'-DDT	UG/KG	19.88 UJ	3.84 U	5.41 UJ	4.28 UJ	4.12 UJ
Methoxychlor	UG/KG	102.41 UJ	19.8 U	27.9 UJ	22.1 UJ	21.2 UJ
Endrin ketone	UG/KG	19.88 UJ	3.84 U	5.41 UJ	4.28 UJ	4.12 UJ
Endrin aldehyde	UG/KG	19.88 UJ	3.84 U	5.41 UJ	4.28 UJ	4.12 UJ
alpha-Chlordane	UG/KG	10.24 UJ	1.98 U	2.79 UJ	2.21 UJ	2.12 UJ
gamma-Chlordane	UG/KG	10.24 UJ	1.98 U	2.79 UJ	2.21 UJ	2.12 UJ
Toxaphene	UG/KG	1024.1 UJ	198.0 U	279.0 UJ	221 UJ	212.0 UJ
Aroclor 1016	UG/KG	198.8 UJ	38.4 U	54.1 UJ	42.8 UJ	41.2 UJ
Aroclor 1221	UG/KG	403.6 UJ	77.9 U	110.0 UJ	87 UJ	83.8 UJ
Aroclor 1232	UG/KG	198.8 UJ	38.4 U	54.1 UJ	42.8 UJ	41.2 UJ
Aroclor 1242	UG/KG	198.8 UJ	38.4 U	54.1 UJ	42.8 UJ	41.2 UJ
Aroclor 1248	UG/KG	198.8 UJ	38.4 U	54.1 UJ	42.8 UJ	41.2 UJ
Aroclor 1254	UG/KG	198.8 UJ	38.4 U	54.1 UJ	42.8 UJ	41.2 UJ
Aroclor 1260	UG/KG	198.8 UJ	38.4 U	54.1 UJ	42.8 UJ	41.2 UJ

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 ONSITE SUBSURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-OS-SB28-01	41-OS-SB29-01	41-OS-SB30-01	41-OS-SB31-01	41-OS-SB32-01	41-OS-SB33-01
Laboratory Sample ID:	9402088-09A	9402071-04	9402071-06	9402088-11A	9402088-13A	9402071-09
Date Sampled:		02/05/94	02/05/94			02/05/94
Percent Solids	83.2	86.0	61.5	77.5	72.8	79.8
CHEMICAL SURETY						
Acetophenone	UG/KG	N/A	N/A	N/A	N/A	N/A
Chloroacetophenone	UG/KG	N/A	N/A	N/A	N/A	N/A
Hydroxyacetophenone	UG/KG	N/A	N/A	N/A	N/A	N/A
Bis(2'-chloroethyl)disulfide	UG/KG	N/A	N/A	N/A	N/A	N/A
Bis(2'-chloroethyl)trisulfide	UG/KG	N/A	N/A	N/A	N/A	N/A
1,4-Dithiane	UG/KG	N/A	N/A	N/A	N/A	N/A
1,4-Oxathiane	UG/KG	N/A	N/A	N/A	N/A	N/A
THIODIGLYCOL						
Thiodiglycol	MG/KG	N/A	N/A	N/A	N/A	N/A
ORDNANCE						
1,3,5-Trinitrobenzene	UG/KG	N/A	N/A	N/A	N/A	N/A
1,3-Dinitrobenzene	UG/KG	N/A	N/A	N/A	N/A	N/A
2,4,6-Trinitrotoluene	UG/KG	N/A	N/A	N/A	N/A	N/A
2,4-Dinitrotoluene	UG/KG	N/A	N/A	N/A	N/A	N/A
2,6-Dinitrotoluene	UG/KG	N/A	N/A	N/A	N/A	N/A
2-Amino-4,6-dinitrotoluene	UG/KG	N/A	N/A	N/A	N/A	N/A
2-Nitrotoluene	UG/KG	N/A	N/A	N/A	N/A	N/A
3-Nitrotoluene	UG/KG	N/A	N/A	N/A	N/A	N/A
4-Amino-2,6-dinitrotoluene	UG/KG	N/A	N/A	N/A	N/A	N/A
4-Nitrotoluene	UG/KG	N/A	N/A	N/A	N/A	N/A
HMX	UG/KG	N/A	N/A	N/A	N/A	N/A
Nitrobenzene	UG/KG	N/A	N/A	N/A	N/A	N/A
RDX	UG/KG	N/A	N/A	N/A	N/A	N/A
Tetryl	UG/KG	N/A	N/A	N/A	N/A	N/A
MIREX						
Mirex	UG/KG	N/A	384.0 U	532.0 U	N/A	412.0 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 ONSITE SUBSURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-OS-SB34-01	41-GW07-01	41-GW07-04	41-GW08-01	41-GW08-02	41-GW10-01
Laboratory Sample ID:	9402088-16A	9402087-03	9402087-05	9402078-05	9402078-06	9402071-01
Date Sampled:						
Percent Solids	82.3	78.6	71.5	91.9	90.9	89.5
SEMIVOLATILES						
1,2-Dichlorobenzene	UG/KG	409 U	419 U	459 U	363 U	367 U
1,2,4-Trichlorobenzene	UG/KG	409 U	419 U	459 U	363 U	367 U
1,3-Dichlorobenzene	UG/KG	409 U	419 U	459 U	363 U	367 U
1,4-Dichlorobenzene	UG/KG	409 U	419 U	459 U	363 U	367 U
2-Chloronaphthalene	UG/KG	409 U	419 U	459 U	363 U	367 U
2-Chlorophenol	UG/KG	409 U	419 U	459 U	363 U	367 U
2-Methylnaphthalene	UG/KG	409 U	419 U	459 U	363 U	367 U
2-Methylphenol	UG/KG	409 U	419 U	459 U	363 U	367 U
2-Nitroaniline	UG/KG	992 U	1020 U	1110 U	880 U	889 U
2-Nitrophenol	UG/KG	409 U	419 U	459 U	363 U	367 U
2,2'-oxybis-(1-chloropropane	UG/KG	409 UJ	419 UJ	459 UJ	363 U	367 U
2,4-Dichlorophenol	UG/KG	409 U	419 U	459 U	363 U	367 U
2,4-Dimethylphenol	UG/KG	409 U	419 U	459 U	363 U	367 U
2,4-Dinitrophenol	UG/KG	992 U	1020 U	1110 U	880 U	889 U
2,4-Dinitrotoluene	UG/KG	409 U	419 U	459 U	363 U	367 U
2,4,5-Trichlorophenol	UG/KG	992 U	1020 U	1110 U	880 U	889 U
2,4,6-Trichlorophenol	UG/KG	409 U	419 U	459 U	363 U	367 U
2,6-Dinitrotoluene	UG/KG	409 U	419 U	459 U	363 U	367 U
3-Nitroaniline	UG/KG	992 U	1020 U	1110 U	880 U	889 U
3,3'-Dichlorobenzidine	UG/KG	409 UJ	419 U	459 U	363 U	367 U
4-Bromophenyl-phenylether	UG/KG	409 U	419 U	459 U	363 U	367 U
4-Chloro-3-methylphenol	UG/KG	409 U	419 U	459 U	363 U	367 U
4-Chloroaniline	UG/KG	409 U	419 U	459 U	363 U	367 U
4-Chlorophenyl phenyl ether	UG/KG	409 U	419 U	459 U	363 U	367 U
4-Methylphenol	UG/KG	409 U	419 U	459 U	363 U	367 U
4-Nitroaniline	UG/KG	992 U	1020 U	1110 U	880 U	889 U
4-Nitrophenol	UG/KG	992 U	1020 U	1110 U	880 U	889 U
4,6-Dinitro-2-methylphenol	UG/KG	992 U	1020 U	1110 U	880 U	889 U
Acenaphthene	UG/KG	409 U	419 U	459 U	363 U	367 U
Acenaphthylene	UG/KG	409 U	419 U	459 U	363 U	367 U
Anthracene	UG/KG	409 U	419 U	459 U	363 U	367 U
Benzo[a]anthracene	UG/KG	409 U	419 U	459 U	363 U	367 U
Benzo[a]pyrene	UG/KG	409 U	419 U	459 U	363 U	367 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 ONSITE SUBSURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-OS-SB34-01	41-GW07-01	41-GW07-04	41-GW08-01	41-GW08-02	41-GW10-01
Laboratory Sample ID:	9402088-16A	9402087-03	9402087-05	9402078-05	9402078-06	9402071-01
Date Sampled:						
Percent Solids	82.3	78.6	71.5	91.9	90.9	89.5
SEMIVOLATILES Cont.						
Benzo[b]fluoranthene	UG/KG	409 U	419 U	459 U	363 U	367 U
Benzo[g,h,i]perylene	UG/KG	409 U	419 U	459 U	363 U	367 U
Benzo[k]fluoranthene	UG/KG	409 U	419 U	459 U	363 U	367 U
bis(2-Chloroethoxy) methane	UG/KG	409 U	419 U	459 U	363 U	367 U
bis(2-Chloroethyl) ether	UG/KG	409 U	419 U	459 U	363 U	367 U
bis(2-Ethylhexyl)phthalate	UG/KG	409 U	51 J	83 J	180 J	363 U
Butyl benzyl phthalate	UG/KG	409 U	419 U	459 U	363 U	367 U
Carbazole	UG/KG	409 U	419 U	459 U	363 U	367 U
Chrysene	UG/KG	409 U	419 U	459 U	363 U	367 U
Dibenzofuran	UG/KG	409 U	419 U	459 U	363 U	367 U
Dibenz[a,h]anthracene	UG/KG	409 U	419 U	459 U	363 U	367 U
Diethylphthalate	UG/KG	409 U	419 U	459 U	363 U	367 U
Dimethyl phthalate	UG/KG	409 U	419 U	459 U	363 U	367 U
di-n-Butylphthalate	UG/KG	409 U	89 J	47 J	363 U	367 U
di-n-Octylphthalate	UG/KG	409 U	419 U	459 U	363 U	367 U
Fluoranthene	UG/KG	409 U	419 U	459 U	363 U	367 U
Fluorene	UG/KG	409 U	419 U	459 U	363 U	367 U
Hexachlorobenzene	UG/KG	409 U	419 U	459 U	363 U	367 U
Hexachlorobutadiene	UG/KG	409 U	419 U	459 U	363 U	367 U
Hexachlorocyclopentadiene	UG/KG	409 U	419 U	459 U	363 U	367 U
Hexachloroethane	UG/KG	409 U	419 U	459 U	363 U	367 U
Indeno[1,2,3-cd]pyrene	UG/KG	409 U	419 U	459 U	363 U	367 U
Isophorone	UG/KG	409 U	419 U	459 U	363 U	367 U
Naphthalene	UG/KG	409 U	419 U	459 U	363 U	367 U
Nitrobenzene	UG/KG	409 U	419 U	459 U	363 U	367 U
N-Nitroso-di-n-propylamine	UG/KG	409 U	419 U	459 U	363 U	367 U
N-nitrosodiphenylamine	UG/KG	409 U	419 U	459 U	363 U	367 U
Pentachlorophenol	UG/KG	992 U	1020 U	1110 U	880 U	889 U
Phenanthrene	UG/KG	409 U	419 U	459 U	363 U	367 U
Phenol	UG/KG	409 U	419 U	459 U	363 U	367 U
Pyrene	UG/KG	409 U	419 U	459 U	363 U	367 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 ONSITE SUBSURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-OS-SB34-01	41-GW07-01	41-GW07-04	41-GW08-01	41-GW08-02	41-GW10-01
Laboratory Sample ID:	9402088-16A	9402087-03	9402087-05	9402078-05	9402078-06	9402071-01
Date Sampled:						
Percent Solids	82.3	78.6	71.5	91.9	90.9	89.5
VOLATILES						
Chloromethane	UG/KG	12 U	13 UJ	14 U	11 U	11.1 U
Bromomethane	UG/KG	12 U	13 UJ	14 U	11 U	11.1 U
Vinyl chloride	UG/KG	12 U	13 UJ	14 U	11 U	11.1 U
Chloroethane	UG/KG	12 U	13 UJ	14 U	11 U	11.1 U
Methylene chloride	UG/KG	12 U	13 UJ	14 U	3 J	13 U
Acetone	UG/KG	30	6000 J	41 J	940 J	40 U
Carbon Disulfide	UG/KG	12 U	13 UJ	14 U	11 U	11.1 U
1,1-Dichloroethene	UG/KG	12 U	13 UJ	14 U	11 U	11.1 U
1,1-Dichloroethane	UG/KG	12 U	13 UJ	14 U	11 U	11.1 U
1,2-Dichloroethene(total)	UG/KG	12 U	13 UJ	14 U	11 U	11.1 U
Chloroform	UG/KG	12 U	13 UJ	14 U	11 U	11.1 U
1,2-Dichloroethane	UG/KG	12 U	13 UJ	14 U	11 U	11.1 U
2-Butanone	UG/KG	12 U	13 UJ	14 U	11 U	11.1 U
1,1,1-Trichloroethane	UG/KG	12 U	13 UJ	14 U	11 U	11.1 U
Carbon tetrachloride	UG/KG	12 U	13 UJ	14 U	11 U	11.1 U
Bromodichloromethane	UG/KG	12 U	13 UJ	14 U	11 U	11.1 U
1,2-Dichloropropane	UG/KG	12 U	13 UJ	14 U	11 U	11.1 U
cis-1,3-Dichloropropene	UG/KG	12 U	13 UJ	14 U	11 U	11.1 U
Trichloroethene	UG/KG	12 U	13 UJ	14 U	11 U	11.1 U
Dibromochloromethane	UG/KG	12 U	13 UJ	14 U	11 U	11.1 U
1,1,2-Trichloroethane	UG/KG	12 U	13 UJ	14 U	11 U	11.1 U
Benzene	UG/KG	12 U	13 UJ	14 U	11 U	11.1 U
trans-1,3-Dichloropropene	UG/KG	12 U	13 UJ	14 U	11 U	11.1 U
Bromoform	UG/KG	12 U	13 UJ	14 U	11 U	11.1 U
4-Methyl-2-pentanone	UG/KG	12 U	13 UJ	14 U	11 U	11.1 U
2-Hexanone	UG/KG	12 U	13 UJ	14 U	11 U	11.1 U
Tetrachloroethene	UG/KG	12 U	13 UJ	14 U	11 U	11.1 U
1,1,2,2-Tetrachloroethane	UG/KG	12 U	13 UJ	14 U	11 U	11.1 U
Toluene	UG/KG	12 U	13 UJ	14 U	11 U	11.1 U
Chlorobenzene	UG/KG	12 U	13 UJ	14 U	11 U	11.1 U
Ethylbenzene	UG/KG	12 U	13 UJ	14 U	11 U	11.1 U
Styrene	UG/KG	12 U	13 UJ	14 U	11 U	11.1 U
Xylenes (total)	UG/KG	12 U	13 UJ	14 U	11 U	11.1 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 ONSITE SUBSURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-OS-SB34-01	41-GW07-01	41-GW07-04	41-GW08-01	41-GW08-02	41-GW10-01	
Laboratory Sample ID:	9402088-16A	9402087-03	9402087-05	9402078-05	9402078-06	9402071-01	
Date Sampled:							
Percent Solids	82.3	78.6	71.5	91.9	90.9	89.5	
<u>PESTICIDE/PCBS</u>							
alpha-BHC	UG/KG	2.07 UJ	2.15 UJ	2.39 UJ	1.85 UJ	1.87 UJ	1.9 UJ
beta-BHC	UG/KG	2.07 UJ	2.15 UJ	2.39 UJ	1.85 UJ	1.87 UJ	1.9 UJ
delta-BHC	UG/KG	2.07 UJ	2.15 UJ	2.39 UJ	1.85 UJ	1.87 UJ	1.9 UJ
Lindane (gamma-BHC)	UG/KG	2.07 UJ	2.15 UJ	2.39 UJ	1.85 UJ	1.87 UJ	1.9 UJ
Heptachlor	UG/KG	2.07 UJ	2.15 UJ	2.39 UJ	1.85 UJ	1.87 UJ	1.9 UJ
Aldrin	UG/KG	2.07 UJ	2.15 UJ	2.39 UJ	1.85 UJ	1.87 UJ	1.9 UJ
Heptachlor epoxide	UG/KG	2.07 UJ	2.15 UJ	2.39 UJ	1.85 UJ	1.87 UJ	1.9 UJ
Endosulfan I	UG/KG	2.07 UJ	2.15 UJ	2.39 UJ	1.85 UJ	1.87 UJ	1.9 UJ
Dieldrin	UG/KG	4.02 UJ	4.18 UJ	4.65 UJ	3.59 UJ	3.63 UJ	3.7 UJ
4,4'-DDE	UG/KG	4.02 UJ	1.1 J	4.65 UJ	3.59 UJ	3.63 UJ	0.8 NJ
Endrin	UG/KG	4.02 UJ	4.18 UJ	4.65 UJ	3.59 UJ	3.63 UJ	3.7 UJ
Endosulfan II	UG/KG	4.02 UJ	4.18 UJ	4.65 UJ	3.59 UJ	3.63 UJ	3.7 UJ
4,4'-DDD	UG/KG	4.02 UJ	4.18 UJ	4.65 UJ	3.59 UJ	3.63 UJ	3.7 UJ
Endosulfan sulfate	UG/KG	4.02 UJ	4.18 UJ	4.65 UJ	3.59 UJ	3.63 UJ	3.7 UJ
4,4'-DDT	UG/KG	4.02 UJ	4.18 UJ	4.65 UJ	3.59 UJ	3.63 UJ	3.7 UJ
Methoxychlor	UG/KG	20.7 UJ	21.5 UJ	23.9 UJ	18.5 UJ	18.7 UJ	19 UJ
Endrin ketone	UG/KG	4.02 UJ	4.18 UJ	4.65 UJ	3.59 UJ	3.63 UJ	3.7 UJ
Endrin aldehyde	UG/KG	4.02 UJ	4.18 UJ	4.65 UJ	3.59 UJ	3.63 UJ	3.7 UJ
alpha-Chlordane	UG/KG	2.07 UJ	2.15 UJ	2.39 UJ	1.85 UJ	1.87 UJ	1.9 UJ
gamma-Chlordane	UG/KG	2.07 UJ	2.15 UJ	2.39 UJ	1.85 UJ	1.87 UJ	1.9 UJ
Toxaphene	UG/KG	207 UJ	215 UJ	239 UJ	185 UJ	187 UJ	190 UJ
Aroclor 1016	UG/KG	40.2 UJ	41.8 UJ	46.5 UJ	35.9 UJ	36.3 UJ	37 UJ
Aroclor 1221	UG/KG	81.7 UJ	84.8 UJ	94.4 UJ	72.8 UJ	73.6 UJ	75 UJ
Aroclor 1232	UG/KG	40.2 UJ	41.8 UJ	46.5 UJ	35.9 UJ	36.3 UJ	37 UJ
Aroclor 1242	UG/KG	40.2 UJ	41.8 UJ	46.5 UJ	35.9 UJ	36.3 UJ	37 UJ
Aroclor 1248	UG/KG	40.2 UJ	41.8 UJ	46.5 UJ	35.9 UJ	36.3 UJ	37 UJ
Aroclor 1254	UG/KG	40.2 UJ	41.8 UJ	46.5 UJ	35.9 UJ	36.3 UJ	37 UJ
Aroclor 1260	UG/KG	40.2 UJ	41.8 UJ	46.5 UJ	35.9 UJ	36.3 UJ	37 UJ

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 ONSITE SUBSURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	241-OS-SB34-01	41-GW07-01	41-GW07-04	41-GW08-01	41-GW08-02	41-GW10-01
Laboratory Sample ID:	9402088-16A	9402087-03	9402087-05	9402078-05	9402078-06	9402071-01
Date Sampled:						
Percent Solids	82.3	78.6	71.5	91.9	90.9	89.5
CHEMICAL SURETY						
Acetophenone	UG/KG	N/A	N/A	N/A	N/A	N/A
Chloroacetophenone	UG/KG	N/A	N/A	N/A	N/A	N/A
Hydroxyacetophenone	UG/KG	N/A	N/A	N/A	N/A	N/A
Bis(2'-chloroethyl)disulfide	UG/KG	N/A	N/A	N/A	N/A	N/A
Bis(2'-chloroethyl)trisulfide	UG/KG	N/A	N/A	N/A	N/A	N/A
1,4-Dithiane	UG/KG	N/A	N/A	N/A	N/A	N/A
1,4-Oxathiane	UG/KG	N/A	N/A	N/A	N/A	N/A
THIODIGLYCOL						
Thiodiglycol	MG/KG	N/A	N/A	N/A	N/A	N/A
ORDNANCE						
1,3,5-Trinitrobenzene	UG/KG	N/A	N/A	N/A	N/A	N/A
1,3-Dinitrobenzene	UG/KG	N/A	N/A	N/A	N/A	N/A
2,4,6-Trinitrotoluene	UG/KG	N/A	N/A	N/A	N/A	N/A
2,4-Dinitrotoluene	UG/KG	N/A	N/A	N/A	N/A	N/A
2,6-Dinitrotoluene	UG/KG	N/A	N/A	N/A	N/A	N/A
2-Amino-4,6-dinitrotoluene	UG/KG	N/A	N/A	N/A	N/A	N/A
2-Nitrotoluene	UG/KG	N/A	N/A	N/A	N/A	N/A
3-Nitrotoluene	UG/KG	N/A	N/A	N/A	N/A	N/A
4-Amino-2,6-dinitrotoluene	UG/KG	N/A	N/A	N/A	N/A	N/A
4-Nitrotoluene	UG/KG	N/A	N/A	N/A	N/A	N/A
HMX	UG/KG	N/A	N/A	N/A	N/A	N/A
Nitrobenzene	UG/KG	N/A	N/A	N/A	N/A	N/A
RDX	UG/KG	N/A	N/A	N/A	N/A	N/A
Tetryl	UG/KG	N/A	N/A	N/A	N/A	N/A
MIREX						
Mirex	UG/KG	N/A	N/A	N/A	N/A	367 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 ONSITE SUBSURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-GW11-01	41-GW11-03	41-GW12-01	41-GW12-02	41-GW13-01	41-GW13-03	
Laboratory Sample ID:	9402087-01	9402087-02	9402092-03	9402092-04	9402092-01	9402092-02	
Date Sampled:							
Percent Solids	87.4	94.7	85	83.1	85.5	87.8	
<u>SEMIVOLATILES</u>							
1,2-Dichlorobenzene	UG/KG	396 U	346 U	389 U	396 U	383 U	376 U
1,2,4-Trichlorobenzene	UG/KG	396 U	346 U	389 U	396 U	383 U	376 U
1,3-Dichlorobenzene	UG/KG	396 U	346 U	389 U	396 U	383 U	376 U
1,4-Dichlorobenzene	UG/KG	396 U	346 U	389 U	396 U	383 U	376 U
2-Chloronaphthalene	UG/KG	396 U	346 U	389 U	396 U	383 U	376 U
2-Chlorophenol	UG/KG	396 U	346 U	389 U	396 U	383 U	376 U
2-Methylnaphthalene	UG/KG	396 U	346 U	389 U	396 U	383 U	376 U
2-Methylphenol	UG/KG	396 U	346 U	389 U	396 U	383 U	376 U
2-Nitroaniline	UG/KG	960 U	840 U	944 U	960 U	928 U	912 U
2-Nitrophenol	UG/KG	396 U	346 U	389 U	396 U	383 U	376 U
2,2'-oxybis-(1-chloropropane	UG/KG	396 UJ	346 UJ	389 UJ	396 UJ	383 UJ	376 UJ
2,4-Dichlorophenol	UG/KG	396 U	346 U	389 U	396 U	383 U	376 U
2,4-Dimethylphenol	UG/KG	396 U	346 U	389 U	396 U	383 U	376 U
2,4-Dinitrophenol	UG/KG	960 U	840 U	944 U	960 U	928 U	912 U
2,4-Dinitrotoluene	UG/KG	396 U	346 U	389 U	396 U	383 U	376 U
2,4,5-Trichlorophenol	UG/KG	960 U	840 U	944 U	960 U	928 U	912 U
2,4,6-Trichlorophenol	UG/KG	396 U	346 U	389 U	396 U	383 U	376 U
2,6-Dinitrotoluene	UG/KG	396 U	346 U	389 U	396 U	383 U	376 U
3-Nitroaniline	UG/KG	960 U	840 U	944 U	960 U	928 U	912 U
3,3'-Dichlorobenzidine	UG/KG	396 U	346 U	389 U	396 U	383 U	376 U
4-Bromophenyl-phenylether	UG/KG	396 U	346 U	389 U	396 U	383 U	376 U
4-Chloro-3-methylphenol	UG/KG	396 U	346 U	389 U	396 U	383 U	376 U
4-Chloroaniline	UG/KG	396 U	346 U	389 U	396 U	383 U	376 U
4-Chlorophenyl phenyl ether	UG/KG	396 U	346 U	389 U	396 U	383 U	376 U
4-Methylphenol	UG/KG	396 U	346 U	389 U	396 U	383 U	376 U
4-Nitroaniline	UG/KG	960 U	840 U	944 U	960 U	928 U	912 U
4-Nitrophenol	UG/KG	960 U	840 U	944 U	960 U	928 U	912 U
4,6-Dinitro-2-methylphenol	UG/KG	960 U	840 U	944 U	960 U	928 U	912 U
Acenaphthene	UG/KG	396 U	346 U	389 U	396 U	383 U	376 U
Acenaphthylene	UG/KG	396 U	346 U	389 U	396 U	383 U	376 U
Anthracene	UG/KG	396 U	346 U	389 U	396 U	383 U	376 U
Benzo[a]anthracene	UG/KG	396 U	346 U	389 U	396 U	383 U	376 U
Benzo[a]pyrene	UG/KG	396 U	346 U	389 U	396 U	383 U	376 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 ONSITE SUBSURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-GW11-01	41-GW11-03	41-GW12-01	41-GW12-02	41-GW13-01	41-GW13-03
Laboratory Sample ID:	9402087-01	9402087-02	9402092-03	9402092-04	9402092-01	9402092-02
Date Sampled:						
Percent Solids	87.4	94.7	85	83.1	85.5	87.8

<u>SEMIVOLATILES Cont.</u>							
Benzo[b]fluoranthene	UG/KG	396 U	346 U	389 U	396 U	383 U	376 U
Benzo[g,h,i]perylene	UG/KG	396 U	346 U	389 U	396 U	383 U	376 U
Benzo[k]fluoranthene	UG/KG	396 U	346 U	389 U	396 U	383 U	376 U
bis(2-Chloroethoxy) methane	UG/KG	396 U	346 U	389 U	396 U	383 U	376 U
bis(2-Chloroethyl) ether	UG/KG	396 U	346 U	389 U	396 U	383 U	376 U
bis(2-Ethylhexyl)phthalate	UG/KG	130 J	95 J	55 J	69 J	49 J	75 J
Butyl benzyl phthalate	UG/KG	396 U	346 U	389 U	396 U	383 U	376 U
Carbazole	UG/KG	396 U	346 U	389 U	396 U	383 U	376 U
Chrysene	UG/KG	43 J	346 U	389 U	396 U	383 U	376 U
Dibenzofuran	UG/KG	396 U	346 U	389 U	396 U	383 U	376 U
Dibenz[a,h]anthracene	UG/KG	396 U	346 U	389 U	396 U	383 U	376 U
Diethylphthalate	UG/KG	396 U	346 U	389 U	396 U	383 U	376 U
Dimethyl phthalate	UG/KG	396 U	346 U	389 U	396 U	383 U	376 U
di-n-Butylphthalate	UG/KG	48 J	49 J	51 J	100 J	51 J	84 J
di-n-Octylphthalate	UG/KG	396 U	346 U	389 U	396 U	383 U	376 U
Fluoranthene	UG/KG	64 J	346 U	389 U	396 U	383 U	376 U
Fluorene	UG/KG	396 U	346 U	389 U	396 U	383 U	376 U
Hexachlorobenzene	UG/KG	396 U	346 U	389 U	396 U	383 U	376 U
Hexachlorobutadiene	UG/KG	396 U	346 U	389 U	396 U	383 U	376 U
Hexachlorocyclopentadiene	UG/KG	396 U	346 U	389 U	396 U	383 U	376 U
Hexachloroethane	UG/KG	396 U	346 U	389 U	396 U	383 U	376 U
Indeno[1,2,3-cd]pyrene	UG/KG	396 U	346 U	389 U	396 U	383 U	376 U
Isophorone	UG/KG	396 U	346 U	389 U	396 U	383 U	376 U
Naphthalene	UG/KG	396 U	346 U	389 U	396 U	383 U	376 U
Nitrobenzene	UG/KG	396 U	346 U	389 U	396 U	383 U	376 U
N-Nitroso-di-n-propylamine	UG/KG	396 U	346 U	389 U	396 U	383 U	376 U
N-nitrosodiphenylamine	UG/KG	396 U	346 U	389 U	396 U	383 U	376 U
Pentachlorophenol	UG/KG	960 U	840 U	944 U	960 U	928 U	912 U
Phenanthrene	UG/KG	396 U	346 U	389 U	396 U	383 U	376 U
Phenol	UG/KG	396 U	346 U	389 U	396 U	383 U	376 U
Pyrene	UG/KG	52 J	346 U	389 U	396 U	383 U	376 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 ONSITE SUBSURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-GW11-01	41-GW11-03	41-GW12-01	41-GW12-02	41-GW13-01	41-GW13-03
Laboratory Sample ID:	9402087-01	9402087-02	9402092-03	9402092-04	9402092-01	9402092-02
Date Sampled:						
Percent Solids	87.4	94.7	85	83.1	85.5	87.8
<u>VOLATILES</u>						
Chloromethane	UG/KG	11 U	11 U	12 UJ	12 UJ	12 U
Bromomethane	UG/KG	11 U	11 U	12 UJ	12 UJ	12 U
Vinyl chloride	UG/KG	11 U	11 U	12 UJ	12 UJ	12 U
Chloroethane	UG/KG	11 U	11 U	12 UJ	12 UJ	12 U
Methylene chloride	UG/KG	11 U	12 U	12 UJ	12 UJ	12 U
Acetone	UG/KG	11 UJ	28 J	12 UJ	89 J	12 U
Carbon Disulfide	UG/KG	11 U	11 U	12 UJ	12 UJ	12 U
1,1-Dichloroethene	UG/KG	11 U	11 U	12 UJ	12 UJ	12 U
1,1-Dichloroethane	UG/KG	11 U	11 U	12 UJ	12 UJ	12 U
1,2-Dichloroethene(total)	UG/KG	11 U	11 U	12 UJ	12 UJ	12 U
Chloroform	UG/KG	11 U	11 U	12 UJ	12 UJ	12 U
1,2-Dichloroethane	UG/KG	11 U	11 U	12 UJ	12 UJ	12 U
2-Butanone	UG/KG	11 U	11 U	12 UJ	12 UJ	12 U
1,1,1-Trichloroethane	UG/KG	11 U	11 U	12 UJ	12 UJ	12 U
Carbon tetrachloride	UG/KG	11 U	11 U	12 UJ	12 UJ	12 U
Bromodichloromethane	UG/KG	11 U	11 U	12 UJ	12 UJ	12 U
1,2-Dichloropropane	UG/KG	11 U	11 U	12 UJ	12 UJ	12 U
cis-1,3-Dichloropropene	UG/KG	11 U	11 U	12 UJ	12 UJ	12 U
Trichloroethene	UG/KG	11 U	11 U	12 UJ	12 UJ	12 U
Dibromochloromethane	UG/KG	11 U	11 U	12 UJ	12 UJ	12 U
1,1,2-Trichloroethane	UG/KG	11 U	11 U	12 UJ	12 UJ	12 U
Benzene	UG/KG	11 U	11 U	12 UJ	12 UJ	12 U
trans-1,3-Dichloropropene	UG/KG	11 U	11 U	12 UJ	12 UJ	12 U
Bromoform	UG/KG	11 U	11 U	12 UJ	12 UJ	12 U
4-Methyl-2-pentanone	UG/KG	11 U	11 U	12 UJ	12 UJ	12 U
2-Hexanone	UG/KG	11 U	11 U	12 UJ	12 UJ	12 U
Tetrachloroethene	UG/KG	11 U	11 U	12 UJ	12 UJ	12 U
1,1,2,2-Tetrachloroethane	UG/KG	11 U	11 U	12 UJ	12 UJ	12 U
Toluene	UG/KG	11 U	11 U	12 UJ	12 UJ	12 U
Chlorobenzene	UG/KG	11 U	11 U	12 UJ	12 UJ	12 U
Ethylbenzene	UG/KG	11 U	11 U	12 UJ	12 UJ	12 U
Styrene	UG/KG	11 U	11 U	12 UJ	12 UJ	12 U
Xylenes (total)	UG/KG	11 U	11 U	12 UJ	12 UJ	12 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 ONSITE SUBSURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-GW11-01	41-GW11-03	41-GW12-01	41-GW12-02	41-GW13-01	41-GW13-03
Laboratory Sample ID:	9402087-01	9402087-02	9402092-03	9402092-04	9402092-01	9402092-02
Date Sampled:						
Percent Solids	87.4	94.7	85	83.1	85.5	87.8
<u>PESTICIDE/PCBS</u>						
alpha-BHC	UG/KG	1.95 UJ	1.79 UJ	2 UJ	2.05 UJ	1.93 UJ
beta-BHC	UG/KG	1.95 UJ	1.79 UJ	2 UJ	2.05 UJ	1.93 UJ
delta-BHC	UG/KG	1.95 UJ	1.79 UJ	2 UJ	2.05 UJ	1.93 UJ
Lindane (gamma-BHC)	UG/KG	1.95 UJ	1.79 UJ	2 UJ	2.05 UJ	1.93 UJ
Heptachlor	UG/KG	1.95 UJ	1.79 UJ	2 UJ	2.05 UJ	1.93 UJ
Aldrin	UG/KG	1.95 UJ	1.79 UJ	2 UJ	2.05 UJ	1.93 UJ
Heptachlor epoxide	UG/KG	1.95 UJ	1.79 UJ	2 UJ	2.05 UJ	1.93 UJ
Endosulfan I	UG/KG	1.95 UJ	1.79 UJ	2 UJ	2.05 UJ	1.93 UJ
Dieldrin	UG/KG	3.79 UJ	3.47 UJ	3.88 UJ	3.98 UJ	3.75 UJ
4,4'-DDE	UG/KG	5.85 J	3.47 UJ	3.88 UJ	3.98 UJ	3.75 UJ
Endrin	UG/KG	0.35 J	3.47 UJ	3.88 UJ	3.98 UJ	3.75 UJ
Endosulfan II	UG/KG	1.18 NJ	3.47 UJ	3.88 UJ	3.98 UJ	3.75 UJ
4,4'-DDD	UG/KG	5.42 J	3.47 UJ	3.88 UJ	3.98 UJ	3.75 UJ
Endosulfan sulfate	UG/KG	3.79 U	3.47 UJ	3.88 UJ	3.98 UJ	3.75 UJ
4,4'-DDT	UG/KG	3.78 UJ	3.47 UJ	3.88 UJ	3.98 UJ	3.75 UJ
Methoxychlor	UG/KG	19.5 UJ	17.9 UJ	20 UJ	20.5 UJ	19.3 UJ
Endrin ketone	UG/KG	3.79 UJ	3.47 UJ	3.88 UJ	3.98 UJ	3.75 UJ
Endrin aldehyde	UG/KG	3.79 UJ	3.47 UJ	3.88 UJ	3.98 UJ	3.75 UJ
alpha-Chlordane	UG/KG	0.29 J	1.79 UJ	2 UJ	2.05 UJ	1.93 UJ
gamma-Chlordane	UG/KG	1.95 UJ	1.79 UJ	2 UJ	2.05 UJ	1.93 UJ
Toxaphene	UG/KG	195 UJ	179 UJ	200 UJ	205 UJ	193 UJ
Aroclor 1016	UG/KG	37.9 UJ	34.7 UJ	38.8 UJ	39.8 UJ	37.5 UJ
Aroclor 1221	UG/KG	77 UJ	70.5 UJ	78.8 UJ	80.7 UJ	76.1 UJ
Aroclor 1232	UG/KG	37.9 UJ	34.7 UJ	38.8 UJ	39.8 UJ	37.5 UJ
Aroclor 1242	UG/KG	37.9 UJ	34.7 UJ	38.8 UJ	39.8 UJ	37.5 UJ
Aroclor 1248	UG/KG	37.9 UJ	34.7 UJ	38.8 UJ	39.8 UJ	37.5 UJ
Aroclor 1254	UG/KG	37.9 UJ	214 J	38.8 UJ	39.8 UJ	37.5 UJ
Aroclor 1260	UG/KG	37.9 UJ	34.7 UJ	38.8 UJ	39.8 UJ	37.5 UJ

FREQUENCY OF DETECTION SUMMARY
OPERABLE UNIT NO. 4 (SITE 41)
ONSITE SUBSURFACE SOIL
MCB CAMP LEJEUNE, NORTH CAROLINA
REMEDIAL INVESTIGATION - CTO-0212
ORGANICS

Client Sample ID:	41-GW11-01	41-GW11-03	41-GW12-01	41-GW12-02	41-GW13-01	41-GW13-03
Laboratory Sample ID:	9402087-01	9402087-02	9402092-03	9402092-04	9402092-01	9402092-02
Date Sampled:						
Percent Solids	87.4	94.7	85	83.1	85.5	87.8
CHEMICAL SURETY						
Acetophenone	UG/KG	N/A	N/A	N/A	N/A	N/A
Chloroacetophenone	UG/KG	N/A	N/A	N/A	N/A	N/A
Hydroxyacetophenone	UG/KG	N/A	N/A	N/A	N/A	N/A
Bis(2'-chloroethyl)disulfide	UG/KG	N/A	N/A	N/A	N/A	N/A
Bis(2'-chloroethyl)trisulfide	UG/KG	N/A	N/A	N/A	N/A	N/A
1,4-Dithiane	UG/KG	N/A	N/A	N/A	N/A	N/A
1,4-Oxathiane	UG/KG	N/A	N/A	N/A	N/A	N/A
THIODIGLYCOL						
Thiodiglycol	MG/KG	N/A	N/A	N/A	N/A	N/A
ORDNANCE						
1,3,5-Trinitrobenzene	UG/KG	N/A	N/A	N/A	N/A	N/A
1,3-Dinitrobenzene	UG/KG	N/A	N/A	N/A	N/A	N/A
2,4,6-Trinitrotoluene	UG/KG	N/A	N/A	N/A	N/A	N/A
2,4-Dinitrotoluene	UG/KG	N/A	N/A	N/A	N/A	N/A
2,6-Dinitrotoluene	UG/KG	N/A	N/A	N/A	N/A	N/A
2-Amino-4,6-dinitrotoluene	UG/KG	N/A	N/A	N/A	N/A	N/A
2-Nitrotoluene	UG/KG	N/A	N/A	N/A	N/A	N/A
3-Nitrotoluene	UG/KG	N/A	N/A	N/A	N/A	N/A
4-Amino-2,6-dinitrotoluene	UG/KG	N/A	N/A	N/A	N/A	N/A
4-Nitrotoluene	UG/KG	N/A	N/A	N/A	N/A	N/A
HMX	UG/KG	N/A	N/A	N/A	N/A	N/A
Nitrobenzene	UG/KG	N/A	N/A	N/A	N/A	N/A
RDX	UG/KG	N/A	N/A	N/A	N/A	N/A
Tetryl	UG/KG	N/A	N/A	N/A	N/A	N/A
MIREX						
Mirex	UG/KG	N/A	N/A	N/A	N/A	N/A

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 ONSITE SUBSURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-GW04DW-01	41-GW04DW-02	41-GW06DW-02	41-GW06DW-03	41-GW07DW-02	41-GW07DW-06
Laboratory Sample ID:	9402078-01	9402078-02	9402131-01A	9402131-02A	9402087-07	9402087-09
Date Sampled:						
Percent Solids	87.1	85.1	89.6	83.5	83.3	63.5
SEMIVOLATILES						
1,2-Dichlorobenzene	UG/KG	380 U	388 U	366 U	396 U	515 U
1,2,4-Trichlorobenzene	UG/KG	380 U	388 U	366 U	396 U	515 U
1,3-Dichlorobenzene	UG/KG	380 U	388 U	366 U	396 U	515 U
1,4-Dichlorobenzene	UG/KG	380 U	388 U	366 U	396 U	515 U
2-Chloronaphthalene	UG/KG	380 U	388 U	366 U	396 U	515 U
2-Chlorophenol	UG/KG	380 U	388 U	366 U	396 U	515 U
2-Methylnaphthalene	UG/KG	380 U	388 U	366 U	396 U	515 U
2-Methylphenol	UG/KG	380 U	388 U	366 U	396 U	515 U
2-Nitroaniline	UG/KG	920 U	941 U	888 U	960 U	1250 U
2-Nitrophenol	UG/KG	380 U	388 U	366 U	396 U	515 U
2,2'-oxybis-(1-chloropropane)	UG/KG	380 U	388 U	366 R	396 R	515 U
2,4-Dichlorophenol	UG/KG	380 U	388 U	366 U	396 U	515 U
2,4-Dimethylphenol	UG/KG	380 U	388 U	366 U	396 U	515 U
2,4-Dinitrophenol	UG/KG	920 U	941 U	888 U	960 U	1250 U
2,4-Dinitrotoluene	UG/KG	380 U	388 U	366 U	396 U	515 U
2,4,5-Trichlorophenol	UG/KG	920 U	941 U	888 U	960 U	1250 U
2,4,6-Trichlorophenol	UG/KG	380 U	388 U	366 U	396 U	515 U
2,6-Dinitrotoluene	UG/KG	380 U	388 U	366 U	396 U	515 U
3-Nitroaniline	UG/KG	920 U	941 U	888 U	960 U	1250 U
3,3'-Dichlorobenzidine	UG/KG	380 U	388 U	366 U	396 U	515 U
4-Bromophenyl-phenylether	UG/KG	380 U	388 U	366 U	396 U	515 U
4-Chloro-3-methylphenol	UG/KG	380 U	388 U	366 U	396 U	515 U
4-Chloroaniline	UG/KG	380 U	388 U	366 U	396 U	515 U
4-Chlorophenyl phenyl ether	UG/KG	380 U	388 U	366 U	396 U	515 U
4-Methylphenol	UG/KG	380 U	388 U	366 U	396 U	515 U
4-Nitroaniline	UG/KG	920 U	941 U	888 U	960 U	1250 U
4-Nitrophenol	UG/KG	920 U	941 U	888 U	960 U	1250 U
4,6-Dinitro-2-methylphenol	UG/KG	920 U	941 U	888 U	960 U	1250 U
Acenaphthene	UG/KG	380 U	388 U	366 U	396 U	515 U
Acenaphthylene	UG/KG	380 U	388 U	366 U	396 U	515 U
Anthracene	UG/KG	380 U	388 U	366 U	396 U	515 U
Benzo[a]anthracene	UG/KG	380 U	388 U	366 U	396 U	515 U
Benzo[a]pyrene	UG/KG	380 U	388 U	366 U	396 U	515 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 ONSITE SUBSURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-GW04DW-01	41-GW04DW-02	41-GW06DW-02	41-GW06DW-03	41-GW07DW-02	41-GW07DW-06
Laboratory Sample ID:	9402078-01	9402078-02	9402131-01A	9402131-02A	9402087-07	9402087-09
Date Sampled:						
Percent Solids	87.1	85.1	89.6	83.5	83.3	63.5

SEMIVOLATILES Cont.

Benzo[b]fluoranthene	UG/KG	380 U	388 U	366 U	396 U	396 U	515 U
Benzo[g,h,i]perylene	UG/KG	380 U	388 U	366 U	396 U	396 U	515 U
Benzo[k]fluoranthene	UG/KG	380 U	388 U	366 U	396 U	396 U	515 U
bis(2-Chloroethoxy) methane	UG/KG	380 U	388 U	366 U	396 U	396 U	515 U
bis(2-Chloroethyl) ether	UG/KG	380 U	388 U	366 U	396 U	396 U	515 U
bis(2-Ethylhexyl)phthalate	UG/KG	380 U	388 U	45 J	46 J	89 J	140 J
Butyl benzyl phthalate	UG/KG	380 U	388 U	366 U	396 U	396 U	515 U
Carbazole	UG/KG	380 U	388 U	366 U	396 U	396 U	515 U
Chrysene	UG/KG	380 U	388 U	366 U	396 U	396 U	515 U
Dibenzofuran	UG/KG	380 U	388 U	366 U	396 U	396 U	515 U
Dibenz[a,h]anthracene	UG/KG	380 U	388 U	366 U	396 U	396 U	515 U
Diethylphthalate	UG/KG	380 U	388 U	366 U	396 U	396 U	515 U
Dimethyl phthalate	UG/KG	380 U	388 U	366 U	396 U	396 U	515 U
di-n-Butylphthalate	UG/KG	380 U	388 U	40 J	396 U	79 J	62 J
di-n-Octylphthalate	UG/KG	380 U	388 U	366 U	396 U	396 U	515 U
Fluoranthene	UG/KG	380 U	388 U	366 U	396 U	396 U	515 U
Fluorene	UG/KG	380 U	388 U	366 U	396 U	396 U	515 U
Hexachlorobenzene	UG/KG	380 U	388 U	366 U	396 U	396 U	515 U
Hexachlorobutadiene	UG/KG	380 U	388 U	366 U	396 U	396 U	515 U
Hexachlorocyclopentadiene	UG/KG	380 U	388 U	366 U	396 U	396 U	515 U
Hexachloroethane	UG/KG	380 U	388 U	366 U	396 U	396 U	515 U
Indeno[1,2,3-cd]pyrene	UG/KG	380 U	388 U	366 U	396 U	396 U	515 U
Isophorone	UG/KG	380 U	388 U	366 U	396 U	396 U	515 U
Naphthalene	UG/KG	380 U	388 U	366 U	396 U	396 U	515 U
Nitrobenzene	UG/KG	380 U	388 U	366 U	396 U	396 U	515 U
N-Nitroso-di-n-propylamine	UG/KG	380 U	388 U	366 U	396 U	396 U	515 U
N-nitrosodiphenylamine	UG/KG	380 U	388 U	366 U	396 U	396 U	515 U
Pentachlorophenol	UG/KG	920 U	941 U	888 U	960 U	960 U	1250 U
Phenanthrene	UG/KG	380 U	388 U	366 U	396 U	396 U	515 U
Phenol	UG/KG	380 U	388 U	366 U	396 U	396 U	515 U
Pyrene	UG/KG	380 U	388 U	366 U	396 U	396 U	515 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 ONSITE SUBSURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-GW04DW-01	41-GW04DW-02	41-GW06DW-02	41-GW06DW-03	41-GW07DW-02	41-GW07DW-06
Laboratory Sample ID:	9402078-01	9402078-02	9402131-01A	9402131-02A	9402087-07	9402087-09
Date Sampled:						
Percent Solids	87.1	85.1	89.6	83.5	83.3	63.5
<u>VOLATILES</u>						
Chloromethane	UG/KG	11 U	12 U	11 U	12 U	16 U
Bromomethane	UG/KG	11 U	12 U	11 U	12 U	16 U
Vinyl chloride	UG/KG	11 U	12 U	11 U	12 U	16 U
Chloroethane	UG/KG	11 U	12 U	11 U	12 U	16 U
Methylene chloride	UG/KG	11 U	12 U	11 U	12 U	16 U
Acetone	UG/KG	95 J	18 U	13 U	23 U	71 J
Carbon Disulfide	UG/KG	11 U	12 U	11 U	12 U	16 U
1,1-Dichloroethene	UG/KG	11 U	12 U	11 U	12 U	16 U
1,1-Dichloroethane	UG/KG	11 U	12 U	11 U	12 U	16 U
1,2-Dichloroethene(total)	UG/KG	11 U	12 U	11 U	12 U	16 U
Chloroform	UG/KG	11 U	12 U	11 U	12 U	16 U
1,2-Dichloroethane	UG/KG	11 U	12 U	11 U	12 U	16 U
2-Butanone	UG/KG	11 U	12 U	11 U	12 U	16 U
1,1,1-Trichloroethane	UG/KG	11 U	12 U	11 U	12 U	16 U
Carbon tetrachloride	UG/KG	11 U	12 U	11 U	12 U	16 U
Bromodichloromethane	UG/KG	11 U	12 U	11 U	12 U	16 U
1,2-Dichloropropane	UG/KG	11 U	12 U	11 U	12 U	16 U
cis-1,3-Dichloropropene	UG/KG	11 U	12 U	11 U	12 U	16 U
Trichloroethene	UG/KG	11 U	12 U	11 U	12 U	16 U
Dibromochloromethane	UG/KG	11 U	12 U	11 U	12 U	16 U
1,1,2-Trichloroethane	UG/KG	11 U	12 U	11 U	12 U	16 U
Benzene	UG/KG	11 U	12 U	11 U	12 U	16 U
trans-1,3-Dichloropropene	UG/KG	11 U	12 U	11 U	12 U	16 U
Bromoform	UG/KG	11 U	12 U	11 U	12 U	16 U
4-Methyl-2-pentanone	UG/KG	11 U	12 U	11 U	12 U	16 U
2-Hexanone	UG/KG	11 U	12 U	11 U	12 U	16 U
Tetrachloroethene	UG/KG	11 U	12 U	11 U	12 U	16 U
1,1,2,2-Tetrachloroethane	UG/KG	11 U	12 U	11 U	12 U	16 U
Toluene	UG/KG	11 U	12 U	11 U	12 U	16 U
Chlorobenzene	UG/KG	11 U	12 U	11 U	12 U	16 U
Ethylbenzene	UG/KG	11 U	12 U	11 U	12 U	16 U
Styrene	UG/KG	11 U	12 U	11 U	12 U	16 U
Xylenes (total)	UG/KG	11 U	12 U	11 U	12 U	16 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 ONSITE SUBSURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-GW04DW-01	41-GW04DW-02	41-GW06DW-02	41-GW06DW-03	41-GW07DW-02	41-GW07DW-06
Laboratory Sample ID:	9402078-01	9402078-02	9402131-01A	9402131-02A	9402087-07	9402087-09
Date Sampled:						
Percent Solids	87.1	85.1	89.6	83.5	83.3	63.5
PESTICIDE/PCBS						
alpha-BHC	UG/KG	1.95 UJ	2 UJ	1.89 UJ	2.05 UJ	2.7 UJ
beta-BHC	UG/KG	1.95 UJ	2 UJ	1.89 UJ	2.05 UJ	2.7 UJ
delta-BHC	UG/KG	1.95 UJ	2 UJ	1.89 UJ	2.05 UJ	2.7 UJ
Lindane (gamma-BHC)	UG/KG	1.95 UJ	2 UJ	1.89 UJ	2.05 UJ	2.7 UJ
Heptachlor	UG/KG	1.95 UJ	2 UJ	1.89 UJ	2.05 UJ	2.7 UJ
Aldrin	UG/KG	1.95 UJ	2 UJ	1.89 UJ	2.05 UJ	2.7 UJ
Heptachlor epoxide	UG/KG	1.95 UJ	2 UJ	1.89 UJ	2.05 UJ	2.7 UJ
Endosulfan I	UG/KG	1.95 UJ	2 UJ	1.89 UJ	2.05 UJ	2.7 UJ
Dieldrin	UG/KG	3.79 UJ	3.88 UJ	3.67 UJ	3.98 UJ	5.24 UJ
4,4'-DDE	UG/KG	3.79 UJ	3.88 UJ	3.67 UJ	3.98 UJ	5.24 UJ
Endrin	UG/KG	3.79 UJ	3.88 UJ	3.67 UJ	3.98 UJ	5.24 UJ
Endosulfan II	UG/KG	3.79 UJ	3.88 UJ	3.67 UJ	3.98 UJ	5.24 UJ
4,4'-DDD	UG/KG	3.79 UJ	3.88 UJ	3.67 UJ	3.98 UJ	5.24 UJ
Endosulfan sulfate	UG/KG	3.79 UJ	3.88 UJ	3.67 UJ	3.98 UJ	5.24 UJ
4,4'-DDT	UG/KG	3.79 UJ	3.88 UJ	3.67 UJ	3.98 UJ	5.24 UJ
Methoxychlor	UG/KG	19.5 UJ	20 UJ	18.9 UJ	20.5 UJ	27 UJ
Endrin ketone	UG/KG	3.79 UJ	3.88 UJ	3.67 UJ	3.98 UJ	5.24 UJ
Endrin aldehyde	UG/KG	3.79 UJ	3.88 UJ	3.67 UJ	3.98 UJ	5.24 UJ
alpha-Chlordane	UG/KG	1.95 UJ	2 UJ	1.89 UJ	2.05 UJ	2.7 UJ
gamma-Chlordane	UG/KG	1.95 UJ	2 UJ	1.89 UJ	2.05 UJ	2.7 UJ
Toxaphene	UG/KG	195 UJ	200 UJ	189 UJ	205 UJ	270 UJ
Aroclor 1016	UG/KG	37.9 UJ	38.8 UJ	36.7 UJ	39.8 UJ	52.4 UJ
Aroclor 1221	UG/KG	77 UJ	78.8 UJ	74.4 UJ	80.7 UJ	106 UJ
Aroclor 1232	UG/KG	37.9 UJ	38.8 UJ	36.7 UJ	39.8 UJ	52.4 UJ
Aroclor 1242	UG/KG	37.9 UJ	38.8 UJ	36.7 UJ	39.8 UJ	52.4 UJ
Aroclor 1248	UG/KG	37.9 UJ	38.8 UJ	36.7 UJ	39.8 UJ	52.4 UJ
Aroclor 1254	UG/KG	37.9 UJ	38.8 UJ	36.7 UJ	39.8 UJ	52.4 UJ
Aroclor 1260	UG/KG	37.9 UJ	38.8 UJ	36.7 UJ	39.8 UJ	52.4 UJ

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 ONSITE SUBSURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-GW04DW-01	41-GW04DW-02	41-GW06DW-02	41-GW06DW-03	41-GW07DW-02	41-GW07DW-06
Laboratory Sample ID:	9402078-01	9402078-02	9402131-01A	9402131-02A	9402087-07	9402087-09
Date Sampled:						
Percent Solids	87.1	85.1	89.6	83.5	83.3	63.5
CHEMICAL SURETY						
Acetophenone	UG/KG	N/A	N/A	N/A	N/A	N/A
Chloroacetophenone	UG/KG	N/A	N/A	N/A	N/A	N/A
Hydroxyacetophenone	UG/KG	N/A	N/A	N/A	N/A	N/A
Bis(2'-chloroethyl)disulfide	UG/KG	N/A	N/A	N/A	N/A	N/A
Bis(2'-chloroethyl)trisulfide	UG/KG	N/A	N/A	N/A	N/A	N/A
1,4-Dithiane	UG/KG	N/A	N/A	N/A	N/A	N/A
1,4-Oxathiane	UG/KG	N/A	N/A	N/A	N/A	N/A
THIODIGLYCOL						
Thiodiglycol	MG/KG	N/A	N/A	N/A	N/A	N/A
ORDNANCE						
1,3,5-Trinitrobenzene	UG/KG	N/A	N/A	N/A	N/A	N/A
1,3-Dinitrobenzene	UG/KG	N/A	N/A	N/A	N/A	N/A
2,4,6-Trinitrotoluene	UG/KG	N/A	N/A	N/A	N/A	N/A
2,4-Dinitrotoluene	UG/KG	N/A	N/A	N/A	N/A	N/A
2,6-Dinitrotoluene	UG/KG	N/A	N/A	N/A	N/A	N/A
2-Amino-4,6-dinitrotoluene	UG/KG	N/A	N/A	N/A	N/A	N/A
2-Nitrotoluene	UG/KG	N/A	N/A	N/A	N/A	N/A
3-Nitrotoluene	UG/KG	N/A	N/A	N/A	N/A	N/A
4-Amino-2,6-dinitrotoluene	UG/KG	N/A	N/A	N/A	N/A	N/A
4-Nitrotoluene	UG/KG	N/A	N/A	N/A	N/A	N/A
HMX	UG/KG	N/A	N/A	N/A	N/A	N/A
Nitrobenzene	UG/KG	N/A	N/A	N/A	N/A	N/A
RDX	UG/KG	N/A	N/A	N/A	N/A	N/A
Tetryl	UG/KG	N/A	N/A	N/A	N/A	N/A
MIREX						
Mirex	UG/KG	N/A	N/A	N/A	N/A	N/A

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 ONSITE SUBSURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-GW09DW-02	41-GW09DW-05	41-GW11DW-01	41-GW11DW-06	41-GW12DW-02	41-GW12WD-03
Laboratory Sample ID:	9402065-01	9402065-02	9402078-03	9402078-04	9402120-01A	9402120-02A
Date Sampled:						
Percent Solids	80.6	78.5	89.5	81.8	80.1	82.2
SEMIVOLATILES						
1,2-Dichlorobenzene	UG/KG	407 U	408 U	367 U	403 U	412 U
1,2,4-Trichlorobenzene	UG/KG	407 U	408 U	367 U	403 U	412 U
1,3-Dichlorobenzene	UG/KG	407 U	408 U	367 U	403 U	412 U
1,4-Dichlorobenzene	UG/KG	407 U	408 U	49 J	403 U	412 U
2-Chloronaphthalene	UG/KG	407 U	408 U	367 U	403 U	412 U
2-Chlorophenol	UG/KG	407 U	408 U	367 U	403 U	412 U
2-Methylnaphthalene	UG/KG	407 U	408 U	367 U	120 J	412 U
2-Methylphenol	UG/KG	407 U	408 U	367 U	403 U	412 U
2-Nitroaniline	UG/KG	988 U	989 U	889 U	976 U	1000 U
2-Nitrophenol	UG/KG	407 U	408 U	367 U	403 U	412 U
2,2'-oxybis-(1-chloropropane	UG/KG	407 U	408 U	367 U	403 U	412 UJ
2,4-Dichlorophenol	UG/KG	407 U	408 U	367 U	403 U	412 U
2,4-Dimethylphenol	UG/KG	407 U	408 U	367 U	403 U	412 U
2,4-Dinitrophenol	UG/KG	988 U	989 U	889 U	976 U	1000 U
2,4-Dinitrotoluene	UG/KG	407 U	408 U	367 U	403 U	412 U
2,4,5-Trichlorophenol	UG/KG	988 U	989 U	889 U	976 U	1000 U
2,4,6-Trichlorophenol	UG/KG	407 U	408 U	367 U	403 U	412 U
2,6-Dinitrotoluene	UG/KG	407 U	408 U	367 U	403 U	412 U
3-Nitroaniline	UG/KG	988 U	989 U	889 U	976 U	1000 U
3,3'-Dichlorobenzidine	UG/KG	407 U	408 U	367 U	403 U	412 UJ
4-Bromophenyl-phenylether	UG/KG	407 U	408 U	367 U	403 U	412 U
4-Chloro-3-methylphenol	UG/KG	407 U	408 U	367 U	403 U	412 U
4-Chloroaniline	UG/KG	407 U	408 U	367 U	403 U	412 U
4-Chlorophenyl phenyl ether	UG/KG	407 U	408 U	367 U	403 U	412 U
4-Methylphenol	UG/KG	407 U	408 U	367 U	403 U	412 U
4-Nitroaniline	UG/KG	988 U	989 U	889 U	976 U	1000 U
4-Nitrophenol	UG/KG	988 U	989 U	889 U	976 U	1000 U
4,6-Dinitro-2-methylphenol	UG/KG	988 U	989 U	889 U	976 U	1000 U
Acenaphthene	UG/KG	407 U	408 U	62 J	52 J	412 U
Acenaphthylene	UG/KG	407 U	408 U	367 U	403 U	412 U
Anthracene	UG/KG	407 U	408 U	367 U	403 U	412 U
Benzo[a]anthracene	UG/KG	407 U	408 U	160 J	403 U	412 U
Benzo[a]pyrene	UG/KG	407 U	408 U	130 J	403 U	412 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 ONSITE SUBSURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-GW09DW-02	41-GW09DW-05	41-GW11DW-01	41-GW11DW-06	41-GW12DW-02	41-GW12WD-03
Laboratory Sample ID:	9402065-01	9402065-02	9402078-03	9402078-04	9402120-01A	9402120-02A
Date Sampled:						
Percent Solids	80.6	78.5	89.5	81.8	80.1	82.2

SEMIVOLATILES Cont.

Benzo[b]fluoranthene	UG/KG	407 U	408 U	150 J	403 U	412 U	403 U
Benzo[g,h,i]perylene	UG/KG	407 U	408 U	110 J	403 U	412 U	403 U
Benzo[k]fluoranthene	UG/KG	407 U	408 U	109 J	403 U	412 U	403 U
bis(2-Chloroethoxy) methane	UG/KG	407 U	408 U	367 U	403 U	412 U	403 U
bis(2-Chloroethyl) ether	UG/KG	407 U	408 U	367 U	403 U	412 U	403 U
bis(2-Ethylhexyl)phthalate	UG/KG	407 U	408 U	220 J	180 J	46 J	403 U
Butyl benzyl phthalate	UG/KG	407 U	408 U	367 U	403 U	412 U	403 U
Carbazole	UG/KG	407 U	408 U	367 U	403 U	412 U	403 U
Chrysene	UG/KG	407 U	408 U	170 J	403 U	412 U	403 U
Dibenzofuran	UG/KG	407 U	408 U	367 U	403 U	412 U	403 U
Dibenz[a,h]anthracene	UG/KG	407 U	408 U	367 U	403 U	412 U	403 U
Diethylphthalate	UG/KG	407 U	408 U	367 U	403 U	412 U	403 U
Dimethyl phthalate	UG/KG	407 U	408 U	367 U	403 U	412 U	403 U
di-n-Butylphthalate	UG/KG	407 U	408 U	367 U	403 U	47 J	403 U
di-n-Octylphthalate	UG/KG	407 U	408 U	367 U	403 U	412 U	403 U
Fluoranthene	UG/KG	407 U	408 U	260 J	403 U	412 U	403 U
Fluorene	UG/KG	407 U	408 U	49 J	56 J	412 U	403 U
Hexachlorobenzene	UG/KG	407 U	408 U	367 U	403 U	412 U	403 U
Hexachlorobutadiene	UG/KG	407 U	408 U	367 U	403 U	412 U	403 U
Hexachlorocyclopentadiene	UG/KG	407 U	408 U	367 U	403 U	412 U	403 U
Hexachloroethane	UG/KG	407 U	408 U	367 U	403 U	412 U	403 U
Indeno[1,2,3-cd]pyrene	UG/KG	407 U	408 U	105 J	403 U	412 U	403 U
Isophorone	UG/KG	407 U	408 U	367 U	403 U	412 U	403 U
Naphthalene	UG/KG	407 U	408 U	45 J	130 J	412 U	403 U
Nitrobenzene	UG/KG	407 U	408 U	367 U	403 U	412 U	403 U
N-Nitroso-di-n-propylamine	UG/KG	407 U	408 U	367 U	403 U	412 U	403 U
N-nitrosodiphenylamine	UG/KG	407 U	408 U	367 U	240 J	412 U	403 U
Pentachlorophenol	UG/KG	988 U	989 U	889 U	976 U	1000 U	976 U
Phenanthrene	UG/KG	407 U	408 U	260 J	83 J	412 U	403 U
Phenol	UG/KG	407 U	408 U	367 U	403 U	412 U	403 U
Pyrene	UG/KG	407 U	408 U	290 J	403 U	412 U	403 U

FREQUENCY OF DETECTION SUMMARY
OPERABLE UNIT NO. 4 (SITE 41)
ONSITE SUBSURFACE SOIL
MCB CAMP LEJEUNE, NORTH CAROLINA
REMEDIAL INVESTIGATION - CTO-0212
ORGANICS

Client Sample ID:	41-GW09DW-02	41-GW09DW-05	41-GW11DW-01	41-GW11DW-06	41-GW12DW-02	41-GW12WD-03
Laboratory Sample ID:	9402065-01	9402065-02	9402078-03	9402078-04	9402120-01A	9402120-02A
Date Sampled:						
Percent Solids	80.6	78.5	89.5	81.8	80.1	82.2
<u>VOLATILES</u>						
Chloromethane	UG/KG	12.3 U	12.6 U	11 U	12 U	12 U
Bromomethane	UG/KG	12.3 U	12.6 U	11 U	12 U	12 U
Vinyl chloride	UG/KG	12.3 U	12.6 U	11 U	12 U	12 U
Chloroethane	UG/KG	12.3 U	12.6 U	11 U	12 U	12 U
Methylene chloride	UG/KG	16 U	15 U	6 J	7 J	12 U
Acetone	UG/KG	24 UJ	77 UJ	39 U	230 J	72 U
Carbon Disulfide	UG/KG	12.3 U	12.6 U	11 U	12 U	12 U
1,1-Dichloroethene	UG/KG	12.3 U	12.6 U	11 U	12 U	12 U
1,1-Dichloroethane	UG/KG	12.3 U	12.6 U	11 U	12 U	12 U
1,2-Dichloroethene(total)	UG/KG	12.3 U	12.6 U	11 U	12 U	12 U
Chloroform	UG/KG	12.3 U	12.6 U	11 U	12 U	12 U
1,2-Dichloroethane	UG/KG	12.3 U	12.6 U	11 U	12 U	12 U
2-Butanone	UG/KG	12.3 U	12.6 U	11 U	12 U	12 U
1,1,1-Trichloroethane	UG/KG	12.3 U	12.6 U	11 U	12 U	12 U
Carbon tetrachloride	UG/KG	12.3 U	12.6 U	11 U	12 U	12 U
Bromodichloromethane	UG/KG	12.3 U	12.6 U	11 U	12 U	12 U
1,2-Dichloropropane	UG/KG	12.3 U	12.6 U	11 U	12 U	12 U
cis-1,3-Dichloropropene	UG/KG	12.3 U	12.6 U	11 U	12 U	12 U
Trichloroethene	UG/KG	12.3 U	12.6 U	11 U	12 U	12 U
Dibromochloromethane	UG/KG	12.3 U	12.6 U	11 U	12 U	12 U
1,1,2-Trichloroethane	UG/KG	12.3 U	12.6 U	11 U	12 U	12 U
Benzene	UG/KG	12.3 U	12.6 U	11 U	12 U	12 U
trans-1,3-Dichloropropene	UG/KG	12.3 U	12.6 U	11 U	12 U	12 U
Bromoform	UG/KG	12.3 U	12.6 U	11 U	12 U	12 U
4-Methyl-2-pentanone	UG/KG	12.3 U	12.6 U	11 U	12 U	12 U
2-Hexanone	UG/KG	12.3 U	12.6 U	11 U	12 U	12 U
Tetrachloroethene	UG/KG	12.3 U	12.6 U	11 U	12 U	12 U
1,1,2,2-Tetrachloroethane	UG/KG	12.3 U	12.6 U	11 U	12 U	12 U
Toluene	UG/KG	12.3 U	12.6 U	11 U	12 U	12 U
Chlorobenzene	UG/KG	12.3 U	12.6 U	11 U	12 U	12 U
Ethylbenzene	UG/KG	12.3 U	12.6 U	11 U	12 U	12 U
Styrene	UG/KG	12.3 U	12.6 U	11 U	12 U	12 U
Xylenes (total)	UG/KG	12.3 U	12.6 U	11 U	12 U	12 U

FREQUENCY OF DETECTION SUMMARY
OPERABLE UNIT NO. 4 (SITE 41)
ONSITE SUBSURFACE SOIL
MCB CAMP LEJEUNE, NORTH CAROLINA
REMEDIAL INVESTIGATION - CTO-0212
ORGANICS

Client Sample ID:	41-GW09DW-02	41-GW09DW-05	41-GW11DW-01	41-GW11DW-06	41-GW12DW-02	41-GW12WD-03
Laboratory Sample ID:	9402065-01	9402065-02	9402078-03	9402078-04	9402120-01A	9402120-02A
Date Sampled:						
Percent Solids	80.6	78.5	89.5	81.8	80.1	82.2
PESTICIDE/PCBS						
alpha-BHC	UG/KG	2.09 UJ	2.16 UJ	1.91 UJ	2.07 UJ	2.12 UJ
beta-BHC	UG/KG	2.09 U	2.16 U	1.91 UJ	2.07 UJ	2.12 UJ
delta-BHC	UG/KG	2.09 UJ	2.16 UJ	1.91 UJ	2.07 UJ	2.12 UJ
Lindane (gamma-BHC)	UG/KG	2.09 U	2.16 U	1.91 UJ	2.07 UJ	2.12 UJ
Heptachlor	UG/KG	2.09 U	2.16 U	1.91 UJ	2.07 UJ	2.12 UJ
Aldrin	UG/KG	2.09 U	2.16 U	1.91 UJ	2.07 UJ	2.12 UJ
Heptachlor epoxide	UG/KG	2.09 U	2.16 U	1.91 UJ	2.07 UJ	2.12 UJ
Endosulfan I	UG/KG	2.09 U	2.16 U	1.91 UJ	2.07 UJ	2.12 UJ
Dieldrin	UG/KG	4.06 U	4.19 U	3.71 UJ	4.02 UJ	4.12 UJ
4,4'-DDE	UG/KG	4.06 U	4.19 U	10.2 J	10.8 J	4.12 UJ
Endrin	UG/KG	4.06 U	4.19 U	3.71 UJ	4.02 UJ	4.12 UJ
Endosulfan II	UG/KG	4.06 U	4.19 U	3.71 UJ	4.02 UJ	4.12 UJ
4,4'-DDD	UG/KG	4.06 U	4.19 U	25.6 J	2.15 J	4.12 UJ
Endosulfan sulfate	UG/KG	4.06 U	4.19 U	3.71 UJ	4.02 UJ	4.12 UJ
4,4'-DDT	UG/KG	4.06 U	4.19 U	3.71 UJ	4.02 UJ	4.12 UJ
Methoxychlor	UG/KG	20.9 U	21.6 U	19.1 UJ	20.7 UJ	21.2 UJ
Endrin ketone	UG/KG	4.06 U	4.19 U	3.71 UJ	4.02 UJ	4.12 UJ
Endrin aldehyde	UG/KG	4.06 U	4.19 U	0.85 NJ	4.02 UJ	4.12 UJ
alpha-Chlordane	UG/KG	2.09 U	2.16 U	1.91 UJ	2.07 UJ	2.12 UJ
gamma-Chlordane	UG/KG	2.09 U	2.16 U	1.91 UJ	2.07 UJ	2.12 UJ
Toxaphene	UG/KG	209 U	216 U	191 UJ	207 UJ	212 UJ
Aroclor 1016	UG/KG	40.6 U	41.9 U	37.1 UJ	40.2 UJ	41.2 UJ
Aroclor 1221	UG/KG	82.4 U	85.1 U	75.3 UJ	81.7 UJ	83.8 UJ
Aroclor 1232	UG/KG	40.6 U	41.9 U	37.1 UJ	40.2 UJ	41.2 UJ
Aroclor 1242	UG/KG	40.6 U	41.9 U	37.1 UJ	40.2 UJ	41.2 UJ
Aroclor 1248	UG/KG	40.6 U	41.9 U	37.1 UJ	40.2 UJ	41.2 UJ
Aroclor 1254	UG/KG	40.6 U	41.9 U	37.1 UJ	40.2 UJ	41.2 UJ
Aroclor 1260	UG/KG	40.6 U	41.9 U	37.1 UJ	40.2 UJ	41.2 UJ

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 ONSITE SUBSURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-GW09DW-02	41-GW09DW-05	41-GW11DW-01	41-GW11DW-06	41-GW12DW-02	41-GW12WD-03
Laboratory Sample ID:	9402065-01	9402065-02	9402078-03	9402078-04	9402120-01A	9402120-02A
Date Sampled:						
Percent Solids	80.6	78.5	89.5	81.8	80.1	82.2
CHEMICAL SURETY						
Acetophenone	UG/KG	N/A	N/A	N/A	N/A	N/A
Chloroacetophenone	UG/KG	N/A	N/A	N/A	N/A	N/A
Hydroxyacetophenone	UG/KG	N/A	N/A	N/A	N/A	N/A
Bis(2'-chloroethyl)disulfide	UG/KG	N/A	N/A	N/A	N/A	N/A
Bis(2'-chloroethyl)trisulfide	UG/KG	N/A	N/A	N/A	N/A	N/A
1,4-Dithiane	UG/KG	N/A	N/A	N/A	N/A	N/A
1,4-Oxathiane	UG/KG	N/A	N/A	N/A	N/A	N/A
THIODIGLYCOL						
Thiodiglycol	MG/KG	N/A	N/A	N/A	N/A	N/A
ORDNANCE						
1,3,5-Trinitrobenzene	UG/KG	N/A	N/A	N/A	N/A	N/A
1,3-Dinitrobenzene	UG/KG	N/A	N/A	N/A	N/A	N/A
2,4,6-Trinitrotoluene	UG/KG	N/A	N/A	N/A	N/A	N/A
2,4-Dinitrotoluene	UG/KG	N/A	N/A	N/A	N/A	N/A
2,6-Dinitrotoluene	UG/KG	N/A	N/A	N/A	N/A	N/A
2-Amino-4,6-dinitrotoluene	UG/KG	N/A	N/A	N/A	N/A	N/A
2-Nitrotoluene	UG/KG	N/A	N/A	N/A	N/A	N/A
3-Nitrotoluene	UG/KG	N/A	N/A	N/A	N/A	N/A
4-Amino-2,6-dinitrotoluene	UG/KG	N/A	N/A	N/A	N/A	N/A
4-Nitrotoluene	UG/KG	N/A	N/A	N/A	N/A	N/A
HMX	UG/KG	N/A	N/A	N/A	N/A	N/A
Nitrobenzene	UG/KG	N/A	N/A	N/A	N/A	N/A
RDX	UG/KG	N/A	N/A	N/A	N/A	N/A
Tetryl	UG/KG	N/A	N/A	N/A	N/A	N/A
MIREX						
Mirex	UG/KG	407 U	408 U	N/A	N/A	N/A

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 ONSITE SUBSURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:
 Laboratory Sample ID:
 Date Sampled:
 Percent Solids

		MINIMUM NONDETECTED	MAXIMUM NONDETECTED	MINIMUM DETECTED	MAXIMUM DETECTED	LOCATION OF MAXIMUM DETECTED	FREQUENCY OF DETECTION
SEMIVOLATILES							
1,2-Dichlorobenzene	UG/KG	346 U	44200 U	376 R	376 R	41-GW13-03	1/66
1,2,4-Trichlorobenzene	UG/KG	346 U	44200 U	376 R	376 R	41-GW13-03	1/66
1,3-Dichlorobenzene	UG/KG	346 U	44200 U	376 R	376 R	41-GW13-03	1/66
1,4-Dichlorobenzene	UG/KG	346 U	44200 U	49 J	376 R	41-GW13-03	2/66
2-Chloronaphthalene	UG/KG	346 U	44200 U	376 R	376 R	41-GW13-03	1/66
2-Chlorophenol	UG/KG	346 U	44200 U	376 R	376 R	41-GW13-03	1/66
2-Methylnaphthalene	UG/KG	346 U	44200 U	41 J	550	41-OS-SB22-03	4/66
2-Methylphenol	UG/KG	346 U	44200 U	376 R	376 R	41-GW13-03	1/66
2-Nitroaniline	UG/KG	840 U	107000 U	912 R	912 R	41-GW13-03	1/66
2-Nitrophenol	UG/KG	346 U	44200 U	376 R	376 R	41-GW13-03	1/66
2,2'-oxybis-(1-chloropropane)	UG/KG	346 UJ	44200 U	366 R	403 R	41-GW12WD-03	4/66
2,4-Dichlorophenol	UG/KG	346 U	44200 U	376 R	376 R	41-GW13-03	1/66
2,4-Dimethylphenol	UG/KG	346 U	44200 U	376 R	376 R	41-GW13-03	1/66
2,4-Dinitrophenol	UG/KG	840 U	107000 U	912 R	912 R	41-GW13-03	1/66
2,4-Dinitrotoluene	UG/KG	346 U	44200 U	376 R	376 R	41-GW13-03	1/66
2,4,5-Trichlorophenol	UG/KG	840 U	107000 U	912 R	912 R	41-GW13-03	1/66
2,4,6-Trichlorophenol	UG/KG	346 U	44200 U	376 R	376 R	41-GW13-03	1/66
2,6-Dinitrotoluene	UG/KG	346 U	44200 U	376 R	376 R	41-GW13-03	1/66
3-Nitroaniline	UG/KG	840 U	107000 U	912 R	912 R	41-GW13-03	1/66
3,3'-Dichlorobenzidine	UG/KG	346 U	44200 U	376 R	376 R	41-GW13-03	1/66
4-Bromophenyl-phenylether	UG/KG	346 U	44200 U	376 R	376 R	41-GW13-03	1/66
4-Chloro-3-methylphenol	UG/KG	346 U	44200 U	61 J	376 R	41-GW13-03	2/66
4-Chloroaniline	UG/KG	346 U	44200 U	376 R	376 R	41-GW13-03	1/66
4-Chlorophenyl phenyl ether	UG/KG	346 U	44200 U	376 R	376 R	41-GW13-03	1/66
4-Methylphenol	UG/KG	346 U	44200 U	53 J	376 R	41-GW13-03	2/66
4-Nitroaniline	UG/KG	840 U	107000 U	864 R	968 R	41-OS-SB03-01	3/66
4-Nitrophenol	UG/KG	840 U	107000 U	912 R	912 R	41-GW13-03	1/66
4,6-Dinitro-2-methylphenol	UG/KG	840 U	107000 U	912 R	912 R	41-GW13-03	1/66
Acenaphthene	UG/KG	346 U	44200 U	52 J	376 R	41-GW13-03	4/66
Acenaphthylene	UG/KG	346 U	44200 U	376 R	376 R	41-GW13-03	1/66
Anthracene	UG/KG	346 U	44200 U	376 R	376 R	41-GW13-03	1/66
Benzo[a]anthracene	UG/KG	346 U	44200 U	71 J	376 R	41-GW13-03	3/66
Benzo[a]pyrene	UG/KG	346 U	532 U	74 J	4700 J	41-OS-SB14-01	6/66

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 ONSITE SUBSURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:
 Laboratory Sample ID:
 Date Sampled:
 Percent Solids

	MINIMUM	MAXIMUM	MINIMUM	MAXIMUM	LOCATION OF	FREQUENCY	
	NONDETECTED	NONDETECTED	DETECTED	DETECTED	MAXIMUM	OF	
					DETECTED	DETECTION	
SEMIVOLATILES Cont.							
Benzo[b]fluoranthene	UG/KG	346 U	44200 U	75 J	376 R	41-GW13-03	3/66
Benzo[g,h,i]perylene	UG/KG	346 U	532 U	41 J	4600 J	41-OS-SB14-01	5/66
Benzo[k]fluoranthene	UG/KG	346 U	44200 U	80 J	376 R	41-GW13-03	3/66
bis(2-Chloroethoxy) methane	UG/KG	346 U	44200 U	376 R	376 R	41-GW13-03	1/66
bis(2-Chloroethyl) ether	UG/KG	346 U	44200 U	79 J	800	41-OS-SB03-01	3/66
bis(2-Ethylhexyl)phthalate	UG/KG	356 U	532 U	39 J	7200 J	41-OS-SB14-01	33/66
Butyl benzyl phthalate	UG/KG	346 U	44200 U	88 J	376 R	41-GW13-03	2/66
Carbazole	UG/KG	346 U	44200 U	66 J	376 R	41-GW13-03	2/66
Chrysene	UG/KG	346 U	44200 U	43 J	376 R	41-GW13-03	5/66
Dibenzofuran	UG/KG	346 U	44200 U	48 J	376 R	41-GW13-03	2/66
Dibenz[a,h]anthracene	UG/KG	346 U	44200 U	376 R	376 R	41-GW13-03	1/66
Diethylphthalate	UG/KG	346 U	44200 U	110 J	376 R	41-GW13-03	2/66
Dimethyl phthalate	UG/KG	346 U	44200 U	376 R	376 R	41-GW13-03	1/66
di-n-Butylphthalate	UG/KG	356 U	44200 U	40 J	376 R	41-OS-SB09-01	27/66
di-n-Octylphthalate	UG/KG	346 U	44200 U	40 J	1600	41-OS-SB17-02	9/66
Fluoranthene	UG/KG	346 U	44200 U	46 J	376 R	41-GW13-03	6/66
Fluorene	UG/KG	346 U	44200 U	44 J	376 R	41-GW13-03	5/66
Hexachlorobenzene	UG/KG	346 U	44200 U	376 R	376 R	41-GW13-03	1/66
Hexachlorobutadiene	UG/KG	346 U	44200 U	376 R	376 R	41-GW13-03	1/66
Hexachlorocyclopentadiene	UG/KG	346 U	44200 U	376 R	376 R	41-GW13-03	1/66
Hexachloroethane	UG/KG	346 U	44200 U	376 R	376 R	41-GW13-03	1/66
Indeno[1,2,3-cd]pyrene	UG/KG	346 U	44200 U	105 J	376 R	41-GW13-03	2/66
Isophorone	UG/KG	346 U	44200 U	376 R	376 R	41-GW13-03	1/66
Naphthalene	UG/KG	346 U	44200 U	45 J	376 R	41-GW13-03	6/66
Nitrobenzene	UG/KG	346 U	44200 U	376 R	376 R	41-GW13-03	1/66
N-Nitroso-di-n-propylamine	UG/KG	346 U	44200 U	376 R	376 R	41-GW13-03	1/66
N-nitrosodiphenylamine	UG/KG	346 U	44200 U	240 J	376 R	41-GW13-03	2/66
Pentachlorophenol	UG/KG	840 U	107000 U	912 R	912 R	41-GW13-03	1/66
Phenanthrene	UG/KG	346 U	44200 U	39 J	376 R	41-GW13-03	6/66
Phenol	UG/KG	346 U	44200 U	376 R	376 R	41-GW13-03	1/66
Pyrene	UG/KG	346 U	44200 U	52 J	376 R	41-GW13-03	7/66

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 ONSITE SUBSURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:
 Laboratory Sample ID:
 Date Sampled:
 Percent Solids

		MINIMUM NONDETECTED	MAXIMUM NONDETECTED	MINIMUM DETECTED	MAXIMUM DETECTED	LOCATION OF MAXIMUM DETECTED	FREQUENCY OF DETECTION
VOLATILES							
Chloromethane	UG/KG	10.6 U	16.1 U	2 J	3 J	41-OS-SB01-02	2/66
Bromomethane	UG/KG	10.6 U	16.1 U	ND	ND		0/66
Vinyl chloride	UG/KG	10.6 U	16.1 U	ND	ND		0/66
Chloroethane	UG/KG	10.6 U	16.1 U	ND	ND		0/66
Methylene chloride	UG/KG	11 U	23 U	2 J	26 J	41-OS-SB14-01	18/66
Acetone	UG/KG	11 U	77 UJ	4 J	6000 J	41-GW07-01	34/66
Carbon Disulfide	UG/KG	10.6 U	16.1 U	ND	ND		0/66
1,1-Dichloroethene	UG/KG	10.6 U	16.1 U	ND	ND		0/66
1,1-Dichloroethane	UG/KG	10.6 U	16.1 U	ND	ND		0/66
1,2-Dichloroethene(total)	UG/KG	10.6 U	16.1 U	ND	ND		0/66
Chloroform	UG/KG	10.6 U	16.1 U	ND	ND		0/66
1,2-Dichloroethane	UG/KG	10.6 U	16.1 U	ND	ND		0/66
2-Butanone	UG/KG	10.6 U	16.1 U	1 J	15 J	41-OS-SB17-02	8/66
1,1,1-Trichloroethane	UG/KG	10.6 U	16.1 U	ND	ND		0/66
Carbon tetrachloride	UG/KG	10.6 U	16.1 U	ND	ND		0/66
Bromodichloromethane	UG/KG	10.6 U	16.1 U	ND	ND		0/66
1,2-Dichloropropane	UG/KG	10.6 U	16.1 U	ND	ND		0/66
cis-1,3-Dichloropropene	UG/KG	10.6 U	16.1 U	ND	ND		0/66
Trichloroethene	UG/KG	10.6 U	16.1 U	1 J	1 J	41-OS-SB02-02	1/66
Dibromochloromethane	UG/KG	10.6 U	16.1 U	ND	ND		0/66
1,1,2-Trichloroethane	UG/KG	10.6 U	16.1 U	ND	ND		0/66
Benzene	UG/KG	10.6 U	16.1 U	1 J	1 J	41-OS-SB07-02	1/66
trans-1,3-Dichloropropene	UG/KG	10.6 U	16.1 U	ND	ND		0/66
Bromoform	UG/KG	10.6 U	16.1 U	ND	ND		0/66
4-Methyl-2-pentanone	UG/KG	10.6 U	16.1 U	ND	ND		0/66
2-Hexanone	UG/KG	10.6 U	16.1 U	ND	ND		0/66
Tetrachloroethene	UG/KG	10.6 U	16.1 U	ND	ND		0/66
1,1,2,2-Tetrachloroethane	UG/KG	10.6 U	16.1 U	ND	ND		0/66
Toluene	UG/KG	10.6 U	16.1 U	ND	ND		0/66
Chlorobenzene	UG/KG	10.6 U	16.1 U	4 J	100	41-OS-SB22-03	5/66
Ethylbenzene	UG/KG	10.6 U	16.1 U	7 J	58	41-OS-SB22-03	2/66
Styrene	UG/KG	10.6 U	16.1 U	ND	ND		0/66
Xylenes (total)	UG/KG	10.6 U	16.1 U	ND	ND		0/66

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 ONSITE SUBSURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:
 Laboratory Sample ID:
 Date Sampled:
 Percent Solids

		MINIMUM	MAXIMUM	MINIMUM	MAXIMUM	LOCATION OF	FREQUENCY
		NONDETECTED	NONDETECTED	DETECTED	DETECTED	MAXIMUM	OF
						DETECTED	DETECTION
PESTICIDE/PCBS							
alpha-BHC	UG/KG	1.79 UJ	10.24 UJ	1.91 R	1.98 R	41-OS-SB29-01	3/66
beta-BHC	UG/KG	1.79 UJ	10.24 UJ	1.89 R	10.01 R	41-OS-SB16-01	11/66
delta-BHC	UG/KG	1.79 UJ	10.24 UJ	0.91 J	1.98 R	41-OS-SB29-01	4/66
Lindane (gamma-BHC)	UG/KG	1.79 UJ	10.24 UJ	1.91 R	11.9 J	41-OS-SB06-03	4/66
Heptachlor	UG/KG	1.79 UJ	10.24 UJ	0.68 J	18	41-OS-SB03-01	9/66
Aldrin	UG/KG	1.79 UJ	10.24 UJ	0.7 J	12.8 J	41-OS-SB06-03	5/66
Heptachlor epoxide	UG/KG	1.79 UJ	10.24 UJ	0.4 J	11.5 J	41-OS-SB03-01	5/66
Endosulfan I	UG/KG	1.79 UJ	10.24 UJ	0.78 NJ	2.92 NJ	41-OS-SB18-01	5/66
Dieldrin	UG/KG	3.47 UJ	19.88 UJ	0.32 J	60 NJ	41-OS-SB18-01	17/66
4,4'-DDE	UG/KG	3.47 UJ	19.88 UJ	0.32 NJ	39.6 J	41-OS-SB14-01	27/66
Endrin	UG/KG	3.47 UJ	19.88 UJ	0.35 J	28.3 J	41-OS-SB06-03	11/66
Endosulfan II	UG/KG	3.47 UJ	19.88 UJ	0.5 NJ	25.2 NJ	41-OS-SB11-01	14/66
4,4'-DDD	UG/KG	3.47 UJ	19.88 UJ	0.34 NJ	1060 J	41-OS-SB22-03	26/66
Endosulfan sulfate	UG/KG	3.47 UJ	19.88 UJ	3.71 R	3.93 R	41-OS-SB25-01	5/66
4,4'-DDT	UG/KG	3.47 UJ	19.88 UJ	0.68 NJ	302 J	41-OS-SB14-01	10/66
Methoxychlor	UG/KG	0.9 UJ	102.41 UJ	5.47 NJ	19.8 R	41-OS-SB29-01	4/66
Endrin ketone	UG/KG	3.47 UJ	19.88 UJ	0.86 J	3.93 R	41-OS-SB25-01	6/66
Endrin aldehyde	UG/KG	3.47 UJ	19.88 UJ	0.85 NJ	4.38 J	41-OS-SB18-01	9/66
alpha-Chlordane	UG/KG	1.79 UJ	10.24 UJ	0.28 NJ	160 J	41-OS-SB03-01	17/66
gamma-Chlordane	UG/KG	1.79 UJ	10.24 UJ	0.31 J	170 J	41-OS-SB03-01	13/66
Toxaphene	UG/KG	179 UJ	1024.1 UJ	191 R	198 R	41-OS-SB29-01	3/66
Aroclor 1016	UG/KG	34.7 UJ	198.8 UJ	37.1 R	38.4 R	41-OS-SB29-01	3/66
Aroclor 1221	UG/KG	70.5 UJ	403.6 UJ	75.3 R	77.9 R	41-OS-SB29-01	3/66
Aroclor 1232	UG/KG	34.7 UJ	198.8 UJ	37.1 R	38.4 R	41-OS-SB29-01	3/66
Aroclor 1242	UG/KG	34.7 UJ	198.8 UJ	37.1 R	38.4 R	41-OS-SB29-01	3/66
Aroclor 1248	UG/KG	34.7 UJ	198.8 UJ	37.1 R	38.4 R	41-OS-SB29-01	3/66
Aroclor 1254	UG/KG	35.5 U	198.8 UJ	36.7 J	214 J	41-GW11-03	5/66
Aroclor 1260	UG/KG	34.7 UJ	198.8 UJ	34.6 J	317 J	41-OS-SB16-01	5/66

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 ONSITE SUBSURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:
 Laboratory Sample ID:

Date Sampled:	MINIMUM NONDETECTED	MAXIMUM NONDETECTED	MINIMUM DETECTED	MAXIMUM DETECTED	LOCATION OF MAXIMUM DETECTED	FREQUENCY OF DETECTION
CHEMICAL SURETY						
Acetophenone	UG/KG	356 U	44200 U	120 J	376 R	41-OS-SB19-01 2/33
Chloroacetophenone	UG/KG	356 U	44200 U	376 R	376 R	41-OS-SB19-01 1/33
Hydroxyacetophenone	UG/KG	1780 U	221000 U	1880 R	1880 R	41-OS-SB19-01 1/33
Bis(2'-chloroethyl)disulfide	UG/KG	1780 U	221000 U	ND	ND	0/33
Bis(2'-chloroethyl)trisulfide	UG/KG	1780 U	221000 U	ND	ND	0/33
1,4-Dithiane	UG/KG	356 U	44200 U	376 R	376 R	41-OS-SB19-01 1/33
1,4-Oxathiane	UG/KG	356 U	44200 U	376 R	376 R	41-OS-SB19-01 1/33
THIODIGLYCOL						
Thiodiglycol	MG/KG	6.69 U	8.94 U	ND	ND	0/33
ORDNANCE						
1,3,5-Trinitrobenzene	UG/KG	40.2 U	40.2 U	40.2 R	40.2 R	41-OS-SB24-02 6/33
1,3-Dinitrobenzene	UG/KG	37.2 U	37.2 U	37.2 R	37.2 R	41-OS-SB24-02 6/33
2,4,6-Trinitrotoluene	UG/KG	35.6 U	35.6 U	35.6 R	35.6 R	41-OS-SB24-02 6/33
2,4-Dinitrotoluene	UG/KG	51.6 U	51.6 U	51.6 R	51.6 R	41-OS-SB24-02 6/33
2,6-Dinitrotoluene	UG/KG	47.6 U	47.6 U	47.6 R	47.6 R	41-OS-SB24-02 6/33
2-Amino-4,6-dinitrotoluene	UG/KG	46.7 U	46.7 U	46.7 R	46.7 R	41-OS-SB24-02 6/33
2-Nitrotoluene	UG/KG	81.4 U	81.4 U	81.4 R	81.4 R	41-OS-SB24-02 6/33
3-Nitrotoluene	UG/KG	81.7 U	81.7 U	81.7 R	81.7 R	41-OS-SB24-02 6/33
4-Amino-2,6-dinitrotoluene	UG/KG	40.8 U	40.8 U	40.8 R	40.8 R	41-OS-SB24-02 6/33
4-Nitrotoluene	UG/KG	87.2 U	87.2 U	87.2 R	87.2 R	41-OS-SB24-02 6/33
HMX	UG/KG	70.5 U	70.5 U	70.5 R	70.5 R	41-OS-SB24-02 6/33
Nitrobenzene	UG/KG	35.2 U	35.2 U	35.2 R	35.2 R	41-OS-SB24-02 6/33
RDX	UG/KG	50.9 U	50.9 U	50.9 R	50.9 R	41-OS-SB24-02 6/33
Tetryl	UG/KG	163 U	163 U	163 R	163 R	41-OS-SB24-02 6/33
MIREX						
Mirex	UG/KG	367 U	221000 U	1880 R	1880 R	41-OS-SB19-01 1/39

APPENDIX O.4
SITE 41 ON-SITE SUBSURFACE SOIL INORGANICS

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 ONSITE SUBSURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 TAL INORGANICS

	41-OS-SB01-02	41-OS-SB01-05	41-OS-SB02-02	41-OS-SB02-03	41-OS-SB03-01	41-OS-SB04-02
Client Sample ID:	41-OS-SB01-02	41-OS-SB01-05	41-OS-SB02-02	41-OS-SB02-03	41-OS-SB03-01	41-OS-SB04-02
Laboratory Sample ID:	9402021-02	9402021-03	9402021-08	9402021-09	9402021-11	9402086-05
Date Sampled:						
Percent Solids	83.4	88.8	88	93.5	82.8	87.6
	<u>UNITS</u>					
Aluminum	MG/KG	6890	1470	3580	1290	8100
Antimony	MG/KG	1.89 U	1.78 U	1.8 U	1.69 U	1.91 U
Arsenic	MG/KG	0.695 U	1.17	2.65	1.53	3.02
Barium	MG/KG	11.9	2.8 U	6.79	3.68	21.5
Beryllium	MG/KG	0.191 U	0.18 U	0.182 U	0.171 U	0.193 U
Cadmium	MG/KG	0.77 U	0.72 U	0.73 U	0.68 U	0.77 U
Calcium	MG/KG	208	33.6 U	106	86.2	8750
Chromium	MG/KG	8.38	4.1	5.82	3.83	10.8
Cobalt	MG/KG	3.8 U	3.6 U	3.6 U	3.4 U	3.9 U
Copper	MG/KG	3.8 U	3.7 U	3.7 U	3.5 U	3.9 U
Iron	MG/KG	2670	3920	2390	2260	6470
Lead	MG/KG	4.83	2	3.89	1.87	829
Magnesium	MG/KG	169	32.2	110	49.8	323
Manganese	MG/KG	3.06	1.59 U	2.5	1.51 U	12.7
Mercury	MG/KG	0.06 U	0.057	0.057 U	0.053 U	0.082
Nickel	MG/KG	6.9 U	6.5 U	6.59 U	6.2 U	7 U
Potassium	MG/KG	224	172 U	173 U	163 U	269
Selenium	MG/KG	0.6 U	0.56 U	0.57 U	0.53 U	0.6 U
Silver	MG/KG	0.096 U	0.09 U	0.091 U	0.202	0.097 U
Sodium	MG/KG	44.6 U	41.9 U	42.3 U	39.8 U	59.3
Thallium	MG/KG	1.1 U	1 U	1 U	0.98 U	1.1 U
Vanadium	MG/KG	11.6	4.6 U	10.3	4.79	16.4
Zinc	MG/KG	5.48	3.75	3.97	3.08	57.5
Total Cyanide	MG/KG	1.2	1.13	1.14	1.07	1.21

FREQUENCY OF DETECTION SUMMARY
OPERABLE UNIT NO. 4 (SITE 41)
ONSITE SUBSURFACE SOIL
MCB CAMP LEJEUNE, NORTH CAROLINA
REMEDIAL INVESTIGATION - CTO-0212
TAL INORGANICS

Client Sample ID:	41-OS-SB04-03	41-OS-SB05-01	41-OS-SB06-01	41-OS-SB06-03	41-OS-SB07-01	41-OS-SB07-02	
Laboratory Sample ID:	9402086-06	9402042-02A	9402086-02	9402086-03	9402042-06A	9402042-07A	
Date Sampled:							
Percent Solids	78.1	87.4	89.3	87.1	89.9	81	
	UNITS						
Aluminum	MG/KG	2760	1280 J	6330	4440	3110 J	6650 J
Antimony	MG/KG	1.9 U	1.81 UJ	2.94	1.7 U	1.76 UJ	1.95 UJ
Arsenic	MG/KG	0.538 U	0.664 U	0.798	0.482 U	0.645 U	0.716 U
Barium	MG/KG	8.29	3.97	22.8	12.6	9.46	18.8
Beryllium	MG/KG	0.23	0.174 U	0.17 U	0.174 U	0.169 U	0.284
Cadmium	MG/KG	0.817 U	0.73 U	0.714 U	0.732 U	0.71 U	0.788 U
Calcium	MG/KG	1190	126	1220	689	516	1430
Chromium	MG/KG	3.94 J	2.27	9.89 J	4.87 J	4	9.22
Cobalt	MG/KG	4.1 U	3.66 U	3.58 U	3.67 U	3.56 U	3.95 U
Copper	MG/KG	4.17 U	3.73 U	6.97	3.74 U	3.63 U	4.02 U
Iron	MG/KG	1720	672 J	8930	3940	1310 J	3920 J
Lead	MG/KG	16.6	2.64 J	40.3	11.3	2.39 J	6.93 J
Magnesium	MG/KG	78.2	47.2	160	96	100	338
Manganese	MG/KG	5.36	1.86 J	33	14.8	3.19 J	18.1 J
Mercury	MG/KG	0.064 U	0.057 U	0.056 U	0.057 U	0.064 U	0.114 U
Nickel	MG/KG	7.38 U	6.6 U	6.45 U	6.61 U	6.4 U	7.1 U
Potassium	MG/KG	191 U	170 U	167 U	171 U	167	535
Selenium	MG/KG	0.394 U	0.579 UJ	0.336 U	0.344 U	0.563 U	0.625 U
Silver	MG/KG	0.41 UJ	0.366 UJ	0.358 UJ	0.367 UJ	0.356 UJ	0.395 UJ
Sodium	MG/KG	181	82.2 U	110	113	79.9 U	88.6 U
Thallium	MG/KG	0.743 U	1.05 U	0.649 U	0.666 U	1.02 U	1.14 U
Vanadium	MG/KG	5.22 U	4.67 U	9.73	6.25	6.82	13.6
Zinc	MG/KG	7.01 U	4.87	48.3	9.22 U	6.5	19
Total Cyanide	MG/KG	1.28	1.14	1.12	1.15	1.11	1.23

FREQUENCY OF DETECTION SUMMARY
OPERABLE UNIT NO. 4 (SITE 41)
ONSITE SUBSURFACE SOIL
MCB CAMP LEJEUNE, NORTH CAROLINA
REMEDIAL INVESTIGATION - CTO-0212
TAL INORGANICS

Client Sample ID:	41-OS-SB08-01	41-OS-SB09-01	41-OS-SB10-01	41-OS-SB11-01	41-OS-SB12-02	41-OS-SB14-01	
Laboratory Sample ID:	9402086-10	9402042-04A	9402064-06	9402086-08	9402042-09A	9402064-02	
Date Sampled:							
Percent Solids	88.7	88.5	87.8	82.4	82.7	88.6	
<u>UNITS</u>							
Aluminum	MG/KG	5610	1080 J	2280	8670	2660 J	2400
Antimony	MG/KG	1.67 U	1.78 UJ	1.68 U	1.8 U	1.91 UJ	1.67 U
Arsenic	MG/KG	1.16	0.655 U	0.478 U	0.797	0.701 U	1.16
Barium	MG/KG	105	3.22	18.3	186	17.6	16.6
Beryllium	MG/KG	0.171 U	0.172 U	0.173 U	0.184 U	0.187	0.172 U
Cadmium	MG/KG	2.75	0.721 U	0.727 U	4.73	0.771 U	0.72 U
Calcium	MG/KG	18900	209	2290	4650	612	8100
Chromium	MG/KG	27.5 J	3.58	5.01 J	40.5 J	4.13	9 J
Cobalt	MG/KG	3.61 U	3.62 U	3.64 U	3.88 U	3.87 U	3.61 U
Copper	MG/KG	32.3	3.68 U	15.3	39.8	3.94 U	8.82
Iron	MG/KG	7550	3410 J	1610	8000	1660 J	3080
Lead	MG/KG	108	8.6 J	45.7	104	10.4 J	157
Magnesium	MG/KG	416	34.9	148	340	65	431
Manganese	MG/KG	84.1	16.2 J	17.2	62.4	6.12	29.5
Mercury	MG/KG	0.086	0.122 U	0.057 U	0.279	0.097 U	0.164
Nickel	MG/KG	6.49 U	6.5 U	6.56 U	7.56	7 U	6.5 U
Potassium	MG/KG	221	168 U	170 U	265	180 U	168 U
Selenium	MG/KG	0.338 U	0.572 U	0.342 U	0.364 U	0.612 U	0.474
Silver	MG/KG	0.361 UJ	0.362 UJ	0.364 UJ	0.403 J	0.387 UJ	0.361 UJ
Sodium	MG/KG	208	81.1 U	81.8 U	486	136	81 U
Thallium	MG/KG	0.654 U	1.04 U	0.66 U	0.704 U	1.11 U	0.655 U
Vanadium	MG/KG	10.1	4.61 U	4.65 U	16.2	5.34	22.1
Zinc	MG/KG	229	6.03	110	407	11.5	55.5
Total Cyanide	MG/KG	1.13	1.13	1.14	1.21	1.21	1.13

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 ONSITE SUBSURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 TAL INORGANICS

	Client Sample ID:	41-OS-SB14-02	41-OS-SB15-01	41-OS-SB15-02	41-OS-SB16-01	41-OS-SB17-01	41-OS-SB17-02
	Laboratory Sample ID:	9402064-03	9402070-02	9402070-03	9402043-06	9402052-01	9402052-02
	Date Sampled:						
	Percent Solids	92.8	86.6	87	84.9	88.9	87.1
	UNITS						
Aluminum	MG/KG	1250	2670	3220	5910	2870	3690
Antimony	MG/KG	1.59 U	1.71 U	1.7 U	1.86 UJ	1.78 UJ	1.81 UJ
Arsenic	MG/KG	0.452 U	0.485 U	0.483 U	1.63	0.71 J	0.934
Barium	MG/KG	5.27	10.6	12	25	12	16
Beryllium	MG/KG	0.164 U	0.197	0.175 U	0.19 U	0.171 U	0.174 U
Cadmium	MG/KG	0.688 U	0.737 U	0.733 U	0.751 U	0.718 U	0.732 U
Calcium	MG/KG	238	637	636	893	764	5460
Chromium	MG/KG	2.37 J	6.5 J	4.91 J	7.81	4.35	8.88
Cobalt	MG/KG	3.45 U	3.7 U	3.68 U	3.77 U	3.6 U	3.67 U
Copper	MG/KG	3.51 U	3.77	7.7	3.84 U	3.67 U	4.12 J
Iron	MG/KG	814	1930	1950	5100	4210	3160
Lead	MG/KG	10.2	124	54	21 J	16.1	28.6
Magnesium	MG/KG	43.2	69.6	109	217	137	208
Manganese	MG/KG	3.52	9.11	10	10.7	16.7	13.7
Mercury	MG/KG	0.054 U	0.058 U	0.057 U	0.09	0.123	0.11
Nickel	MG/KG	6.21 U	6.65 U	6.62 U	6.8 U	6.48 U	6.61 U
Potassium	MG/KG	160 U	172 U	171 U	256	123	152
Selenium	MG/KG	0.539	0.346 U	0.422	0.596 U	0.948	0.663
Silver	MG/KG	0.345 UJ	0.37 UJ	0.368 UJ	0.377 U	0.36 UJ	0.367 UJ
Sodium	MG/KG	77.4 U	82.9 U	82.5 U	84.6 U	41.8 UJ	42.7 UJ
Thallium	MG/KG	0.625 U	0.67 U	0.667 U	1.08 U	1.03 U	1.06 U
Vanadium	MG/KG	4.4 U	4.71 U	5.91	16.6	4.59 U	5.74
Zinc	MG/KG	12.4	40.5	43.2	33.2	22.7 J	48.2 J
Total Cyanide	MG/KG	1.08	1.15	1.15	1.18	1.12	1.15

FREQUENCY OF DETECTION SUMMARY
OPERABLE UNIT NO. 4 (SITE 41)
ONSITE SUBSURFACE SOIL
MCB CAMP LEJEUNE, NORTH CAROLINA
REMEDIAL INVESTIGATION - CTO-0212
TAL INORGANICS

Client Sample ID:	41-OS-SB18-01	41-OS-SB19-01	41-OS-SB21-01	41-OS-SB21-02	41-OS-SB22-01	41-OS-SB22-03	
Laboratory Sample ID:	9402061-03	9402043-04	9402052-06	9402052-07	9402061-05	9402061-06	
Date Sampled:							
Percent Solids	87.7	87.9	69.7	82	89.3	76.9	
	<u>UNITS</u>						
Aluminum	MG/KG	2450	8480	4480	3350	3790	3400
Antimony	MG/KG	1.8 UJ	1.8 UJ	2.27 UJ	1.93 UJ	1.77 UJ	2.05 UJ
Arsenic	MG/KG	1.24	0.989	1.66	0.707 U	0.783	0.754 U
Barium	MG/KG	11.8	15.9	25.3	24.2	11.5	11.6
Beryllium	MG/KG	0.173 U	0.18 U	0.218 U	0.185 U	0.17 U	0.198 U
Cadmium	MG/KG	0.727 U	0.726 U	0.915 U	0.778 U	0.714 U	0.83 U
Calcium	MG/KG	689	870	101	735	354	1270
Chromium	MG/KG	22.6	11	6.67	3.25	4.9	4.57
Cobalt	MG/KG	4.53	3.64 U	4.59 U	3.9 U	3.58 U	4.16 U
Copper	MG/KG	37 J	3.71 U	4.68 U	3.98 U	3.65 U	8.38 J
Iron	MG/KG	41100	8560	3820	1910	5050	8780
Lead	MG/KG	35.1	12.1 J	6.74	11.4	61.2	36.3
Magnesium	MG/KG	42.9	309	98.8	205	128	146
Manganese	MG/KG	244	24.7	3.06	7.12	11.7 U	52.1
Mercury	MG/KG	0.152	0.078	0.122 U	0.121 U	0.119	0.131 U
Nickel	MG/KG	12.9	6.6 U	8.26 U	7.02 U	6.45 U	7.49 U
Potassium	MG/KG	114 U	430	257	247	112 U	130 U
Selenium	MG/KG	0.577 U	0.576 U	0.726 U	0.617 U	0.567 U	0.658 U
Silver	MG/KG	0.365 UJ	0.364 U	0.459 UJ	0.39 UJ	0.358 UJ	0.416 UJ
Sodium	MG/KG	42.4 UJ	81.7 U	53.4 UJ	45.4 UJ	41.6 UJ	48.4 UJ
Thallium	MG/KG	1.05 U	1.05 U	1.32 U	1.12 U	1.03 U	1.2 U
Vanadium	MG/KG	5.83	12.7	12.1	4.98 U	5.56	5.3 U
Zinc	MG/KG	40.8 J	30.7	6.25 J	5.17 J	21.7 J	37.7 J
Total Cyanide	MG/KG	1.14	1.29	1.43	1.22	1.12	1.3

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 ONSITE SUBSURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 TAL INORGANICS

Client Sample ID:	41-OS-SB23-01	41-OS-SB24-01	41-OS-SB24-02	41-OS-SB25-01	41-OS-SB26-01	41-OS-SB27-01	
Laboratory Sample ID:	9402043-02	9402061-08	9402061-09	9402088-02A	9402088-04A	9402088-07A	
Date Sampled:							
Percent Solids	84.2	84.3	86	83.7	81.8	85	
	UNITS						
Aluminum	MG/KG	7980	3960	4390	2990	3590	9030
Antimony	MG/KG	1.88 UJ	1.87 UJ	1.84 UJ	1.77 U	1.81 U	1.74 U
Arsenic	MG/KG	0.689 U	0.721	1.4	0.526 U	0.538 U	0.518 U
Barium	MG/KG	18.8	9.95	10.4	8.61	10.6	16.8
Beryllium	MG/KG	0.267	0.18 U	0.177 U	0.182 U	0.186 U	0.179 U
Cadmium	MG/KG	0.758 U	0.757 U	0.742 U	0.762 U	0.78 U	0.75 U
Calcium	MG/KG	1520	3440	2290	35.6 U	318	965
Chromium	MG/KG	8.69	5.78	4.23	3.68 J	3.47 J	10.3 J
Cobalt	MG/KG	3.8 U	3.8 U	3.72 U	3.82 U	3.91 U	3.76 U
Copper	MG/KG	3.87 U	5.06 J	3.79 U	3.89 U	3.98 U	3.84 U
Iron	MG/KG	5990	2730	3100	1050 J	983 J	3630 J
Lead	MG/KG	13.4 J	49.3	19.3	4.34 J	3.54 J	6.26 J
Magnesium	MG/KG	265	203	122	22.8	80.3	233
Manganese	MG/KG	14.1	9.03	5.93	1.69 U	5.73	3.72
Mercury	MG/KG	0.127	0.11	0.101 U	0.066	0.061 U	0.059 U
Nickel	MG/KG	6.8 U	6.83 U	6.7 U	6.9 U	7 U	6.8 U
Potassium	MG/KG	313	119 U	116 U	182 U	186 U	322
Selenium	MG/KG	0.601 U	0.615	0.588 U	0.358 U	0.367 U	0.353 U
Silver	MG/KG	0.38 U	0.38 UJ	0.372 UJ	0.382 U	0.391 U	0.376 U
Sodium	MG/KG	85.3 U	44.1 UJ	43.2 UJ	98.7	194	86.6 U
Thallium	MG/KG	1.09 U	1.09 U	1.07 U	0.693 U	0.709 U	0.682 U
Vanadium	MG/KG	8.57	9.06	7.54	4.87 U	4.99 U	14.1
Zinc	MG/KG	18.2	26.4 J	10.2 J	3.72 U	4.13 U	6.61 U
Total Cyanide	MG/KG	1.19	1.19	1.16	1.19	1.22	1.18

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 ONSITE SUBSURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 TAL INORGANICS

Client Sample ID:	41-OS-SB28-01	41-OS-SB29-01	41-OS-SB30-01	41-OS-SB31-01	41-OS-SB32-01	41-OS-SB33-01
Laboratory Sample ID:	9402088-09A	9402071-04	9402071-06	9402088-11A	9402088-13A	9402071-09
Date Sampled:		02/05/94	02/05/94			02/05/94
Percent Solids	83.2	86.0	61.5	77.5	72.8	79.8

	UNITS						
Aluminum	MG/KG	2870	3990.0 J	9430.0 J	3030	2000	2060.0 J
Antimony	MG/KG	1.78 U	1.84 UJ	3.51 UJ	1.91 U	2.03 U	1.98 UJ
Arsenic	MG/KG	0.529 U	0.488 U	0.683 U	0.597	0.604 U	0.546
Barium	MG/KG	18.2	6.25	31.6	17	8.02	5.60
Beryllium	MG/KG	0.183 U	0.177 U	0.310	0.196 U	0.209 U	0.190 U
Cadmium	MG/KG	0.767 U	0.742 U	1.04 U	0.823 U	0.876 U	0.799 U
Calcium	MG/KG	213	46.5	1300.0	1560	322	74.5
Chromium	MG/KG	4.05 J	3.66	6.62	3.51 J	2.28 UJ	2.65
Cobalt	MG/KG	3.85 U	3.72 U	5.20 U	4.13 U	4.4 U	4.01 U
Copper	MG/KG	3.92 U	3.79 U	5.30 U	4.21 U	4.48 U	4.08 U
Iron	MG/KG	1060 J	1750.0 J	3200.0 J	1570 J	4650 J	935.0 J
Lead	MG/KG	7.47 J	3.78	7.78	7.02 J	2.13	3.12
Magnesium	MG/KG	66.1	133.0	203.0	91.5	67.3 J	86.5
Manganese	MG/KG	1.7 U	2.90 J	4.98 J	9.75	4.63	2.82 J
Mercury	MG/KG	0.06 U	0.058 R	0.081 R	0.064 U	0.069 U	0.063 R
Nickel	MG/KG	6.9 U	6.70 U	9.40 U	7.4 U	7.9 U	7.20 U
Potassium	MG/KG	183 U	177.0 U	248.0 U	197 U	210 U	191.0 U
Selenium	MG/KG	0.36 U	0.588 U	0.823 U	0.387 U	0.412 U	0.634 UJ
Silver	MG/KG	0.385 U	0.372 U	0.520 U	1.24 U	0.44 U	0.401 U
Sodium	MG/KG	88.5 U	85.6 U	120.0 U	95 U	101 U	92.2 U
Thallium	MG/KG	0.697 U	1.07 U	1.50 U	0.748 U	0.797 U	1.15 U
Vanadium	MG/KG	4.9 U	5.17	11.5	5.26 U	5.6 U	5.11 U
Zinc	MG/KG	5.75 U	5.18	7.46	14.2	16.2	10.4
Total Cyanide	MG/KG	1.2	1.16	1.63	1.29	1.37	1.25

FREQUENCY OF DETECTION SUMMARY
OPERABLE UNIT NO. 4 (SITE 41)
ONSITE SUBSURFACE SOIL
MCB CAMP LEJEUNE, NORTH CAROLINA
REMEDIAL INVESTIGATION - CTO-0212
TAL INORGANICS

Client Sample ID:	41-OS-SB34-01	41-GW07-01	41-GW07-04	41-GW08-01	41-GW08-02	41-GW10-01	
Laboratory Sample ID:	9402088-16A	9402087-03	9402087-05	9402078-05	9402078-06	9402071-01	
Date Sampled:							
Percent Solids	82.3	78.6	71.5	91.9	90.9	89.5	
	UNITS						
Aluminum	MG/KG	486	5160	12200	2630	1420	1920 J
Antimony	MG/KG	1.8 U	1.88 UJ	2.12 J	1.61 UJ	1.63 UJ	1.76 UJ
Arsenic	MG/KG	0.535 UJ	1.08 J	1.19 J	0.479 UJ	0.484 UJ	1.1 J
Barium	MG/KG	3.01 U	17.5	20.1	6.56	4.94	3.15
Beryllium	MG/KG	0.185 U	0.193 U	0.237	0.165 U	0.167 U	0.17 U
Cadmium	MG/KG	0.775 U	0.812 U	0.892 U	0.694 U	0.702 U	0.713 U
Calcium	MG/KG	36.2 U	1300	121	205	109	73.2
Chromium	MG/KG	2.49 J	5.96	15.7	3.6	3.01	2.1
Cobalt	MG/KG	3.89 U	4.07 U	4.48 U	3.48 U	3.52 U	3.58 U
Copper	MG/KG	3.96 U	4.15 U	4.56 U	3.55 U	3.59 U	3.64 U
Iron	MG/KG	115 J	3850 J	18900 J	1010 J	518 J	1330 J
Lead	MG/KG	1.19 J	7.89	8.48	4.01	2.23	6.5
Magnesium	MG/KG	18.4	189	279	84.4	50.8	49.1
Manganese	MG/KG	1.72 U	11	2.37	2.7	1.73	2.39 J
Mercury	MG/KG	0.061 U	0.064 U	0.07 U	0.054 U	0.055 U	0.056 R
Nickel	MG/KG	7 U	7.3 U	8.1 U	6.3 U	6.3 U	6.4 U
Potassium	MG/KG	185 U	201	259	166 U	168 U	170 U
Selenium	MG/KG	0.364 U	0.382 UJ	0.42 UJ	0.326 UJ	0.33 UJ	0.565 U
Silver	MG/KG	0.569 U	0.407 UJ	0.448 UJ	0.348 UJ	0.352 UJ	0.358 U
Sodium	MG/KG	89.4 U	93.6 U	103 U	80.1 U	81 U	82.2 U
Thallium	MG/KG	0.705 U	0.738 U	0.811 U	0.631 U	0.638 U	1.03 U
Vanadium	MG/KG	4.96 U	9.16	25.7	4.44 U	4.49 U	4.56 U
Zinc	MG/KG	4.97 U	8.72 J	7.25 J	2.81 J	2.33 UJ	3.73
Total Cyanide	MG/KG	1.22	1.27	1.4	1.09	1.1	1.12

FREQUENCY OF DETECTION SUMMARY
OPERABLE UNIT NO. 4 (SITE 41)
ONSITE SUBSURFACE SOIL
MCB CAMP LEJEUNE, NORTH CAROLINA
REMEDIAL INVESTIGATION - CTO-0212
TAL INORGANICS

Client Sample ID:	41-GW11-01	41-GW11-03	41-GW12-01	41-GW12-02	41-GW13-01	41-GW13-03	
Laboratory Sample ID:	9402087-01	9402087-02	9402092-03	9402092-04	9402092-01	9402092-02	
Date Sampled:							
Percent Solids	87.4	94.7	85	83.1	85.5	87.8	
	UNITS						
Aluminum	MG/KG	4320	2350	5880	7740	10300	2900
Antimony	MG/KG	1.69 UJ	1.56 UJ	1.74 UJ	1.78 UJ	1.92 J	1.68 UJ
Arsenic	MG/KG	1.58 J	0.465 UJ	0.792 J	1.19 J	1.32 J	0.501 UJ
Barium	MG/KG	22.6	10.2	15.3	18.1	19.3	9.64
Beryllium	MG/KG	0.174 U	0.16 U	0.205	0.183 U	0.178 U	0.173 U
Cadmium	MG/KG	0.73 U	0.674 U	0.75 U	0.768 U	0.746 U	0.727 U
Calcium	MG/KG	1810	295	95.3	35.9 U	88.6	33.9 U
Chromium	MG/KG	11.2	3.41	7.12	9.9	11.3	3.33
Cobalt	MG/KG	3.66 U	3.38 U	3.76 U	3.85 U	3.74 U	3.64 U
Copper	MG/KG	22.5	4.53	3.84 U	3.92 U	3.81 U	3.71 U
Iron	MG/KG	12300 J	1550 J	3950 J	4900 J	7680 J	1000 J
Lead	MG/KG	110	8.76	5.98	3.98	7.11	3.77
Magnesium	MG/KG	189	152	203	297	330	75.3
Manganese	MG/KG	75.9	5.04	4.25	6.25	6.62	1.63
Mercury	MG/KG	0.312	0.122	0.059 U	0.06 U	0.058 U	0.057 U
Nickel	MG/KG	6.6 U	6.1 U	6.8 U	6.9 U	6.7 U	6.6 U
Potassium	MG/KG	174 U	167	186	321	249	180
Selenium	MG/KG	0.343 UJ	0.317 UJ	0.353 UJ	0.373 J	0.781 J	0.342 UJ
Silver	MG/KG	0.366 UJ	0.595 J	0.376 UJ	0.385 UJ	0.374 UJ	0.364 UJ
Sodium	MG/KG	84.2 U	77.7 U	86.6 U	88.6 U	86.1 U	83.8 U
Thallium	MG/KG	0.664 U	0.612 U	0.682 U	0.698 U	0.678 U	0.66 U
Vanadium	MG/KG	9.3	8.31	10	14.2	17.2	5.31
Zinc	MG/KG	130 J	48.4 J	6.41 J	5.61 J	5.6 J	3.43 J
Total Cyanide	MG/KG	1.14	1.06	1.18	1.2	1.17	1.14

FREQUENCY OF DETECTION SUMMARY
OPERABLE UNIT NO. 4 (SITE 41)
ONSITE SUBSURFACE SOIL
MCB CAMP LEJEUNE, NORTH CAROLINA
REMEDIAL INVESTIGATION - CTO-0212
TAL INORGANICS

Client Sample ID:	41-GW04DW-01	41-GW04DW-02	41-GW06DW-02	41-GW06DW-03	41-GW07DW-02	41-GW07DW-06	
Laboratory Sample ID:	9402078-01	9402078-02	9402131-01A	9402131-02A	9402087-07	9402087-09	
Date Sampled:							
Percent Solids	87.1	85.1	89.6	83.5	83.3	63.5	
	UNITS						
Aluminum	MG/KG	3820	7640	3900	601	7910	7440
Antimony	MG/KG	1.7 UJ	1.74 UJ	1.7 UJ	1.82 UJ	1.78 UJ	2.33 UJ
Arsenic	MG/KG	0.505 UJ	0.915 J	0.647 U	0.695 U	0.829 J	0.866 J
Barium	MG/KG	9.38	14.4	6.67	2.97 U	20.3	16.9
Beryllium	MG/KG	0.174 U	0.179 U	0.17 U	0.182 U	0.182 U	0.288
Cadmium	MG/KG	0.732 U	0.75 U	0.712 U	0.764 U	0.766 U	1 U
Calcium	MG/KG	81.5	93	66	37.3	356	86.7
Chromium	MG/KG	3.59	7.16	4.76	1.99 U	13	8.51
Cobalt	MG/KG	3.67 U	3.76 U	3.57 U	3.83 U	3.84 U	5.04 U
Copper	MG/KG	3.74 U	3.83 U	3.64 U	3.9 U	3.91 U	5.13 U
Iron	MG/KG	2030 J	4280 J	1650	274	6530 J	2810 J
Lead	MG/KG	4.76	6.22	2.92 J	0.894 J	6.69	8.62
Magnesium	MG/KG	91.6	264	104	17.2 U	212	188
Manganese	MG/KG	3.72	7.8	4.03	2.91	5.26	9.48
Mercury	MG/KG	0.057 U	0.059 U	0.032 U	0.034 U	0.06 U	0.079 U
Nickel	MG/KG	6.6 U	6.8 U	6.4 U	6.9 U	6.9 U	9.1 U
Potassium	MG/KG	175 U	179 U	170 U	183 U	386	292
Selenium	MG/KG	0.344 UJ	0.352 UJ	0.357 U	0.383 U	0.618 J	0.891 J
Silver	MG/KG	0.367 UJ	0.376 UJ	0.357 U	0.383 U	0.384 UJ	9.71 J
Sodium	MG/KG	84.5 U	86.5 U	82.1 U	88.1 U	88.4 U	116 U
Thallium	MG/KG	0.666 U	0.682 U	0.67 U	0.718 U	0.696 U	0.913 U
Vanadium	MG/KG	6.76	14.2	5.71	4.89 U	16.1	12
Zinc	MG/KG	7.74 J	6.13 J	3.11	4.01	4.84 J	18.3 J
Total Cyanide	MG/KG	1.15	1.18	1.12	1.2	1.2	1.57

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 ONSITE SUBSURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 TAL INORGANICS

Client Sample ID:	41-GW09DW-02	41-GW09DW-05	41-GW11DW-01	41-GW11DW-06	41-GW12DW-02	41-GW12WD-03	
Laboratory Sample ID:	9402065-01	9402065-02	9402078-03	9402078-04	9402120-01A	9402120-02A	
Date Sampled:							
Percent Solids	80.6	78.5	89.5	81.8	80.1	82.2	
	<u>UNITS</u>						
Aluminum	MG/KG	10900 J	13500 J	3610	2750	5630	5700
Antimony	MG/KG	1.96 UJ	2.01 UJ	2.91 J	1.81 UJ	1.9 UJ	1.85 UJ
Arsenic	MG/KG	0.738	0.535 U	0.929 J	0.538 UJ	0.733	0.706 U
Barium	MG/KG	19.7	23	21.4	18.5	12.7	12.3
Beryllium	MG/KG	0.188 U	0.253	0.17 U	0.186 U	0.19 U	0.185 U
Cadmium	MG/KG	0.792 U	0.813 U	1.32	0.78 U	0.796 U	0.776 U
Calcium	MG/KG	178	2570	2740	548	43.5	36.2 U
Chromium	MG/KG	10.8	18.1	7.7	4.02	7.08	7.24
Cobalt	MG/KG	3.97 U	4.08 U	3.58 U	3.91 U	4 U	3.89 U
Copper	MG/KG	4.04 U	4.15 U	27.8	4.94	4.07 U	3.96 U
Iron	MG/KG	4350 J	4050 J	6040 J	1620 J	4180	1980
Lead	MG/KG	7.53	10.3	47.1	15.2	3.5 J	5.54 J
Magnesium	MG/KG	317	567	208	109	161	162
Manganese	MG/KG	4.4 J	6.77 J	42.9	5.98	3.39	3.62
Mercury	MG/KG	0.062 R	0.064 R	0.109	0.061 U	0.036 U	0.035 U
Nickel	MG/KG	7.1 U	7.3 U	6.4 U	7 U	7.2 U	7 U
Potassium	MG/KG	218	562	268	186 U	190 U	186 U
Selenium	MG/KG	0.628 U	0.644 U	0.335 UJ	0.41 J	0.4 U	0.389 U
Silver	MG/KG	0.397 U	0.408 U	0.358 UJ	0.391 UJ	0.4 U	0.389 U
Sodium	MG/KG	91.3 U	93.8 U	82.2 U	90 U	91.9 U	89.5 U
Thallium	MG/KG	1.14 U	1.17 U	0.648 U	0.709 U	0.749 U	0.73 U
Vanadium	MG/KG	15.5	23.3	7.43	4.99 U	8.93	7.08
Zinc	MG/KG	5.46	7.98	102 J	30.3 J	5.1	5.53
Total Cyanide	MG/KG	1.24	1.27	1.12	1.22	1.25	1.22

FREQUENCY OF DETECTION SUMMARY
OPERABLE UNIT NO. 4 (SITE 41)
ONSITE SUBSURFACE SOIL
MCB CAMP LEJEUNE, NORTH CAROLINA
REMEDIAL INVESTIGATION - CTO-0212
TAL INORGANICS

Client Sample ID:
 Laboratory Sample ID:
 Date Sampled:
 Percent Solids

		MINIMUM	MAXIMUM	MINIMUM	MAXIMUM	LOCATION OF	FREQUENCY
		NONDETECTED	NONDETECTED	DETECTED	DETECTED	MAXIMUM	OF
						DETECTED	DETECTION
	<u>UNITS</u>						
Aluminum	MG/KG	NA	NA	486	13500 J	41-GW09DW-05	66/66
Antimony	MG/KG	1.56 UJ	3.51 UJ	1.92 J	2.94	41-OS-SB06-01	4/66
Arsenic	MG/KG	0.452 U	0.754 U	0.518	3.02	41-OS-SB03-01	33/66
Barium	MG/KG	2.8 U	3.01 U	3.15	186	41-OS-SB11-01	63/66
Beryllium	MG/KG	0.16 U	0.218 U	0.187	0.31	41-OS-SB30-01	10/66
Cadmium	MG/KG	0.674 U	1.04 U	1.32	4.73	41-OS-SB11-01	3/66
Calcium	MG/KG	33.6 U	36.2 U	37.3	18900	41-OS-SB08-01	60/66
Chromium	MG/KG	1.99 U	2.28 UJ	2.1	40.5 J	41-OS-SB11-01	64/66
Cobalt	MG/KG	3.38 U	5.2 U	4.53	4.53	41-OS-SB18-01	1/66
Copper	MG/KG	3.5 U	5.3 U	3.77	39.8	41-OS-SB11-01	15/66
Iron	MG/KG	NA	NA	115 J	41100	41-OS-SB18-01	66/66
Lead	MG/KG	NA	NA	0.894 J	829	41-OS-SB03-01	66/66
Magnesium	MG/KG	17.2 U	17.2 U	18.4	567	41-GW09DW-05	65/66
Manganese	MG/KG	1.51 U	11.7 U	1.63	244	41-OS-SB18-01	60/66
Mercury	MG/KG	0.032 U	0.131 U	0.056 R	0.312	41-GW11-01	23/66
Nickel	MG/KG	6.1 U	9.4 U	7.56	12.9	41-OS-SB18-01	2/66
Potassium	MG/KG	112 U	248 U	123	562	41-GW09DW-05	26/66
Selenium	MG/KG	0.317 UJ	0.823 U	0.373 J	0.948	41-OS-SB17-01	11/66
Silver	MG/KG	0.09 U	1.24 U	0.202	9.71 J	41-GW07DW-06	4/66
Sodium	MG/KG	39.8 U	120 U	59.3	486	41-OS-SB11-01	10/66
Thallium	MG/KG	0.612 U	1.5 U	ND	ND		0/66
Vanadium	MG/KG	4.4 U	5.6 U	4.79	25.7	41-GW07-04	44/66
Zinc	MG/KG	2.33 UJ	9.22 U	2.81 J	407	41-OS-SB11-01	57/66
Total Cyanide	MG/KG	NA	NA	1.06	1.63	41-OS-SB30-01	66/66

APPENDIX O.5
SITE 41 GROUNDWATER ORGANICS

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 GROUNDWATER
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-GW01-01	41-GW02-01	41-GW03-01	41-GW04-01	41-GW04DW-01	41-GW05-01
Laboratory Sample ID:	9402122-01	9402119-01	9402121-01	9402121-03	9402159-01A	9402122-03
Date Sampled:	02/14/94	02/14/94	02/14/94	02/15/94		02/14/94

UNITS

SEMIVOLATILES

	41-GW01-01	41-GW02-01	41-GW03-01	41-GW04-01	41-GW04DW-01	41-GW05-01
1,2-Dichlorobenzene	UG/L	12.0 U	12.0 U	12.0 U	13.0 U	12.0 U
1,2,4-Trichlorobenzene	UG/L	12.0 U	12.0 U	12.0 U	13.0 U	12.0 U
1,3-Dichlorobenzene	UG/L	12.0 U	12.0 U	12.0 U	13.0 U	12.0 U
1,4-Dichlorobenzene	UG/L	12.0 U	12.0 U	12.0 U	13.0 U	12.0 U
2-Chloronaphthalene	UG/L	12.0 U	12.0 U	12.0 U	13.0 U	12.0 U
2-Chlorophenol	UG/L	12.0 U	12.0 U	12.0 U	13.0 U	12.0 U
2-Methylnaphthalene	UG/L	12.0 U	12.0 U	12.0 U	13.0 U	12.0 U
2-Methylphenol	UG/L	12.0 U	12.0 U	12.0 U	13.0 U	12.0 U
2-Nitroaniline	UG/L	30.0 U	30.0 U	30.0 U	32.5 U	30.0 U
2-Nitrophenol	UG/L	12.0 U	12.0 U	12.0 U	13.0 U	12.0 U
2,2'-oxybis-(1-chloropropane)	UG/L	12.0 U	12.0 U	12.0 U	13.0 U	12.0 U
2,4-Dichlorophenol	UG/L	12.0 U	12.0 U	12.0 U	13.0 U	12.0 U
2,4-Dimethylphenol	UG/L	12.0 U	12.0 U	12.0 U	13.0 U	12.0 U
2,4-Dinitrophenol	UG/L	30.0 U	30.0 U	30.0 U	32.5 U	30.0 U
2,4-Dinitrotoluene	UG/L	12.0 U	12.0 U	12.0 U	13.0 U	12.0 U
2,4,5-Trichlorophenol	UG/L	30.0 U	30.0 U	30.0 U	32.5 U	30.0 U
2,4,6-Trichlorophenol	UG/L	12.0 U	12.0 U	12.0 U	13.0 U	12.0 U
2,6-Dinitrotoluene	UG/L	12.0 U	12.0 U	12.0 U	13.0 U	12.0 U
3-Nitroaniline	UG/L	30.0 UJ	30.0 UJ	30.0 UJ	32.5 UJ	30.0 UJ
3,3'-Dichlorobenzidine	UG/L	12.0 U	12.0 U	12.0 U	13.0 U	12.0 U
4-Bromophenyl-phenylether	UG/L	12.0 U	12.0 U	12.0 U	13.0 U	12.0 U
4-Chloro-3-methylphenol	UG/L	12.0 U	12.0 U	12.0 U	13.0 U	12.0 U
4-Chloroaniline	UG/L	12.0 U	12.0 U	12.0 U	13.0 U	12.0 U
4-Chlorophenyl phenyl ether	UG/L	12.0 U	12.0 U	12.0 U	13.0 U	12.0 U
4-Methylphenol	UG/L	12.0 U	12.0 U	12.0 U	13.0 U	12.0 U
4-Nitroaniline	UG/L	30.0 U	30.0 U	30.0 U	32.5 U	30.0 U
4-Nitrophenol	UG/L	30.0 U	30.0 U	30.0 U	32.5 U	30.0 U
4,6-Dinitro-2-methylphenol	UG/L	30.0 U	30.0 U	30.0 U	32.5 U	30.0 U
Acenaphthene	UG/L	12.0 U	12.0 U	12.0 U	13.0 U	12.0 U
Acenaphthylene	UG/L	12.0 U	12.0 U	12.0 U	13.0 U	12.0 U
Anthracene	UG/L	12.0 U	12.0 U	12.0 U	13.0 U	12.0 U
Benzo[a]anthracene	UG/L	12.0 U	12.0 U	12.0 U	13.0 U	12.0 U
Benzo[a]pyrene	UG/L	12.0 U	12.0 U	12.0 U	13.0 U	12.0 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 GROUNDWATER
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-GW01-01	41-GW02-01	41-GW03-01	41-GW04-01	41-GW04DW-01	41-GW05-01
Laboratory Sample ID:	9402122-01	9402119-01	9402121-01	9402121-03	9402159-01A	9402122-03
Date Sampled:	02/14/94	02/14/94	02/14/94	02/15/94		02/14/94

UNITS

SEMIVOLATILES Cont.

	UG/L	12.0 U	12.0 U	12.0 U	13.0 U	12.5 U	12.0 U
Benzo[b]fluoranthene	UG/L	12.0 U	12.0 U	12.0 U	13.0 U	12.5 U	12.0 U
Benzo[g,h,i]perylene	UG/L	12.0 U	12.0 U	12.0 U	13.0 U	12.5 U	12.0 U
Benzo[k]fluoranthene	UG/L	12.0 U	12.0 U	12.0 U	13.0 U	12.5 U	12.0 U
bis(2-Chloroethoxy) methane	UG/L	12.0 U	12.0 U	12.0 U	13.0 U	12.5 U	12.0 U
bis(2-Chloroethyl) ether	UG/L	12.0 U	12.0 U	12.0 U	13.0 U	12.5 U	12.0 U
bis(2-Ethylhexyl)phthalate	UG/L	12.0 U	12.0 U	12.0 U	13.0 U	12.5 U	12.0 U
Butyl benzyl phthalate	UG/L	12.0 U	12.0 U	12.0 U	13.0 U	12.5 U	12.0 U
Carbazole	UG/L	12.0 U	12.0 U	12.0 U	13.0 U	12.5 U	12.0 U
Chrysene	UG/L	12.0 U	12.0 U	12.0 U	13.0 U	12.5 U	12.0 U
Dibenzofuran	UG/L	12.0 U	12.0 U	12.0 U	13.0 U	12.5 U	12.0 U
Dibenz[a,h]anthracene	UG/L	12.0 U	12.0 U	12.0 U	13.0 U	12.5 U	12.0 U
Diethylphthalate	UG/L	12.0 U	12.0 U	12.0 U	13.0 U	12.5 U	12.0 U
Dimethyl phthalate	UG/L	12.0 U	12.0 U	12.0 U	13.0 U	12.5 U	12.0 U
di-n-Butylphthalate	UG/L	12.0 U	12.0 U	2.00 J	2.00 J	12.5 U	12.0 U
di-n-Octylphthalate	UG/L	12.0 U	12.0 U	12.0 U	13.0 U	12.5 U	12.0 U
Fluoranthene	UG/L	12.0 U	12.0 U	12.0 U	13.0 U	12.5 U	12.0 U
Fluorene	UG/L	12.0 U	12.0 U	12.0 U	13.0 U	12.5 U	12.0 U
Hexachlorobenzene	UG/L	12.0 U	12.0 U	12.0 U	13.0 U	12.5 U	12.0 U
Hexachlorobutadiene	UG/L	12.0 U	12.0 U	12.0 U	13.0 U	12.5 U	12.0 U
Hexachlorocyclopentadiene	UG/L	12.0 U	12.0 U	12.0 U	13.0 U	12.5 U	12.0 U
Hexachloroethane	UG/L	12.0 U	12.0 U	12.0 U	13.0 U	12.5 U	12.0 U
Indeno[1,2,3-cd]pyrene	UG/L	12.0 U	12.0 U	12.0 U	13.0 U	12.5 U	12.0 U
Isophorone	UG/L	12.0 U	12.0 U	12.0 U	13.0 U	12.5 U	12.0 U
Naphthalene	UG/L	12.0 U	12.0 U	12.0 U	13.0 U	12.5 U	12.0 U
Nitrobenzene	UG/L	12.0 U	12.0 U	12.0 U	13.0 U	12.5 U	12.0 U
N-Nitroso-di-n-propylamine	UG/L	12.0 U	12.0 U	12.0 U	13.0 U	12.5 U	12.0 U
N-nitrosodiphenylamine	UG/L	12.0 U	12.0 U	12.0 U	13.0 U	12.5 U	12.0 U
Pentachlorophenol	UG/L	30.0 U	30.0 U	30.0 U	32.5 U	31.2 U	30.0 U
Phenanthrene	UG/L	12.0 U	12.0 U	12.0 U	13.0 U	12.5 U	12.0 U
Phenol	UG/L	12.0 U	12.0 U	12.0 U	13.0 U	12.5 U	12.0 U
Pyrene	UG/L	12.0 U	12.0 U	12.0 U	13.0 U	12.5 U	12.0 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 GROUNDWATER
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-GW01-01	41-GW02-01	41-GW03-01	41-GW04-01	41-GW04DW-01	41-GW05-01
Laboratory Sample ID:	9402122-01	9402119-01	9402121-01	9402121-03	9402159-01A	9402122-03
Date Sampled:	02/14/94	02/14/94	02/14/94	02/15/94		02/14/94

UNITS

VOLATILES

	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10 U	10.0 U
Chloromethane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10 U	10.0 U
Bromomethane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10 U	10.0 U
Vinyl chloride	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10 U	10.0 U
Chloroethane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10 U	10.0 U
Methylene chloride	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10 U	10.0 U
Acetone	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10 U	10.0 U
Carbon Disulfide	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10 U	10.0 U
1,1-Dichloroethene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10 U	10.0 U
1,1-Dichloroethane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10 U	10.0 U
1,2-Dichloroethene(total)	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10 U	10.0 U
Chloroform	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10 U	10.0 U
1,2-Dichloroethane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10 U	10.0 U
2-Butanone	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10 U	10.0 U
1,1,1-Trichloroethane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10 U	10.0 U
Carbon tetrachloride	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10 U	10.0 U
Bromodichloromethane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10 U	10.0 U
1,2-Dichloropropane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10 U	10.0 U
cis-1,3-Dichloropropene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10 U	10.0 U
Trichloroethene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10 U	10.0 U
Dibromochloromethane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10 U	10.0 U
1,1,2-Trichloroethane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10 U	10.0 U
Benzene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10 U	10.0 U
trans-1,3-Dichloropropene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10 U	10.0 U
Bromoform	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10 U	10.0 U
4-Methyl-2-pentanone	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10 U	10.0 U
2-Hexanone	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10 U	10.0 U
Tetrachloroethene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10 U	10.0 U
1,1,2,2-Tetrachloroethane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10 U	10.0 U
Toluene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10 U	10.0 U
Chlorobenzene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10 U	10.0 U
Ethylbenzene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10 U	10.0 U
Styrene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10 U	10.0 U
Xylenes (total)	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10 U	10.0 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 GROUNDWATER
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-GW01-01	41-GW02-01	41-GW03-01	41-GW04-01	41-GW04DW-01	41-GW05-01
Laboratory Sample ID:	9402122-01	9402119-01	9402121-01	9402121-03	9402159-01A	9402122-03
Date Sampled:	02/14/94	02/14/94	02/14/94	02/15/94		02/14/94
	UNITS					
<u>PESTICIDE/PCBS</u>						
alpha-BHC	UG/L	0.056 UJ	0.055 UJ	0.100 UJ	0.061 UJ	0.060 UJ
beta-BHC	UG/L	0.056 U	0.040 J	0.100 U	0.061 UJ	0.060 U
delta-BHC	UG/L	0.056 UJ	0.055 UJ	0.100 UJ	0.061 UJ	0.060 UJ
Lindane (gamma-BHC)	UG/L	0.056 U	0.055 UJ	0.100 U	0.061 UJ	0.060 U
Heptachlor	UG/L	0.056 U	0.060 UJ	0.100 U	0.060 UJ	0.060 U
Aldrin	UG/L	0.056 U	0.055 UJ	0.100 U	0.061 UJ	0.060 U
Heptachlor epoxide	UG/L	0.056 U	0.055 UJ	0.100 U	0.061 UJ	0.060 U
Endosulfan I	UG/L	0.056 U	0.055 UJ	0.100 U	0.061 UJ	0.060 U
Dieldrin	UG/L	0.111 U	0.110 UJ	0.200 U	0.122 UJ	0.119 U
4,4'-DDE	UG/L	0.111 U	0.110 UJ	0.200 U	0.122 UJ	0.119 U
Endrin	UG/L	0.111 U	0.110 UJ	0.200 U	0.122 UJ	0.119 U
Endosulfan II	UG/L	0.111 U	0.110 UJ	0.200 U	0.122 UJ	0.119 U
4,4'-DDD	UG/L	0.111 U	0.110 UJ	0.200 U	0.122 UJ	0.119 U
Endosulfan sulfate	UG/L	0.111 U	0.110 UJ	0.200 U	0.122 UJ	0.119 U
4,4'-DDT	UG/L	0.111 U	0.110 UJ	0.200 U	0.122 UJ	0.119 U
Methoxychlor	UG/L	0.556 U	0.549 UJ	1.00 U	0.610 UJ	0.595 U
Endrin ketone	UG/L	0.111 U	0.110 UJ	0.200 U	0.122 UJ	0.119 U
Endrin aldehyde	UG/L	0.111 U	0.110 UJ	0.200 U	0.122 UJ	0.119 U
alpha-Chlordane	UG/L	0.056 U	0.055 UJ	0.100 U	0.061 UJ	0.060 U
gamma-Chlordane	UG/L	0.056 U	0.055 UJ	0.100 U	0.061 UJ	0.060 U
Toxaphene	UG/L	5.56 U	5.49 UJ	10.0 U	6.10 UJ	5.95 U
Aroclor 1016	UG/L	1.11 U	1.10 UJ	2.00 U	1.22 UJ	1.19 U
Aroclor 1221	UG/L	2.22 U	2.20 UJ	4.00 U	2.44 UJ	2.38 U
Aroclor 1232	UG/L	1.11 U	1.10 UJ	2.00 U	1.22 UJ	1.19 U
Aroclor 1242	UG/L	1.11 U	1.10 UJ	2.00 U	1.22 UJ	1.19 U
Aroclor 1248	UG/L	1.11 U	1.10 UJ	2.00 U	1.22 UJ	1.19 U
Aroclor 1254	UG/L	1.11 U	1.10 UJ	2.00 U	1.22 UJ	1.19 U
Aroclor 1260	UG/L	1.11 U	1.10 UJ	2.00 U	1.22 UJ	1.19 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 GROUNDWATER
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-GW01-01	41-GW02-01	41-GW03-01	41-GW04-01	41-GW04DW-01	41-GW05-01
Laboratory Sample ID:	9402122-01	9402119-01	9402121-01	9402121-03	9402159-01A	9402122-03
Date Sampled:	02/14/94	02/14/94	02/14/94	02/15/94		02/14/94

UNITS

CHEMICAL SURETY

Acetophenone	UG/L	12.0 U	12.0 U	12.0 U	13.0 U	12.5 U	12.0 U
Chloroacetophenone	UG/L	12.0 U	12.0 U	12.0 U	13.0 U	12.5 U	12.0 U
Hydroxyacetophenone	UG/L	60.0 U	60.0 U	60.0 U	65.0 U	62.5 U	60.0 U
Bis(2'-chloroethyl)disulfide	UG/L	60.0 U	60.0 U	60.0 U	65.0 U	62.5 U	60.0 U
Bis(2'-chloroethyl)trisulfide	UG/L	60.0 U	60.0 U	60.0 U	65.0 U	62.5 U	60.0 U
1,4-Dithiane	UG/L	12.0 U	12.0 U	12.0 U	13.0 U	12.5 U	12.0 U
1,4-Oxathiane	UG/L	12.0 U	12.0 U	12.0 U	13.0 U	12.5 U	12.0 U

THIODIGLYCOL

Thiodiglycol	UG/L	25.0 U	25.0 U	25.0 U	25.0 U	25 U	25.0 U
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ORDNANCE

1,3,5-Trinitrobenzene		0.500 U	0.500 U	0.500 U	0.500 U	0.5 U	0.500 U
1,3-Dinitrobenzene		0.500 U	0.500 U	0.500 U	0.500 U	0.5 U	0.500 U
2,4,6-Trinitrotoluene		0.500 U	0.500 U	0.500 U	0.500 U	0.5 U	0.500 U
2,4-Dinitrotoluene		0.500 U	0.500 U	0.500 U	0.500 U	0.5 U	0.500 U
2,6-Dinitrotoluene		0.500 U	0.500 U	0.500 U	0.500 U	0.5 U	0.500 U
2-Amino-4,6-dinitrotoluene		0.030 U	0.030 U	0.030 U	0.030 U	0.03 U	0.030 U
2-Nitrotoluene		0.500 U	0.500 U	0.500 U	0.500 U	0.5 U	0.500 U
3-Nitrotoluene		0.500 U	0.500 U	0.500 U	0.500 U	0.5 U	0.500 U
4-Amino-2,6-dinitrotoluene		0.020 U	0.020 U	0.020 U	0.020 U	0.02 U	0.020 U
4-Nitrotoluene		0.500 U	0.500 U	0.500 U	0.500 U	0.5 U	0.500 U
HMX		1.25 U	1.25 U	1.25 U	1.25 U	1.25 U	1.25 U
Nitrobenzene		0.500 U	0.500 U	0.500 U	0.500 U	0.5 U	0.500 U
RDX		0.500 U	0.500 U	0.500 U	0.500 U	0.5 U	0.500 U
Tetryl		0.500 UJ	0.500 UJ	0.500 UJ	0.500 UJ	0.5 U	0.500 UJ

MIREX

Mirex		60.0 U	60.0 U	60.0 U	65.0 U	62.5 U	60.0 U
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FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 GROUNDWATER
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-GW06DW-01	41-GW07-01	41-GW07DW-01	41-GW08-01	41-GW09-01	41-GW09DW-01
Laboratory Sample ID:	9402163-03	9402152-01A	9402162-03	9402157-05A	9402161-01A	9402162-01
Date Sampled:						

	UNITS					
SEMIVOLATILES						
1,2-Dichlorobenzene	UG/L	14.3 U	14.1 U	14 U	20 U	13.2 U
1,2,4-Trichlorobenzene	UG/L	14.3 U	14.1 U	14 U	20 U	13.2 U
1,3-Dichlorobenzene	UG/L	14.3 U	14.1 U	14 U	20 U	13.2 U
1,4-Dichlorobenzene	UG/L	14.3 U	14.1 U	14 U	20 U	13.2 U
2-Chloronaphthalene	UG/L	14.3 U	14.1 U	14 U	20 U	13.2 U
2-Chlorophenol	UG/L	14.3 U	14.1 U	14 U	20 U	13.2 U
2-Methylnaphthalene	UG/L	14.3 U	14.1 U	14 U	20 U	13.2 U
2-Methylphenol	UG/L	14.3 U	14.1 U	14 U	20 U	13.2 U
2-Nitroaniline	UG/L	35.7 U	35.2 U	35 U	50 U	32.9 U
2-Nitrophenol	UG/L	14.3 U	14.1 U	14 U	20 U	13.2 U
2,2'-oxybis-(1-chloropropane)	UG/L	14.3 U	14.1 U	14 U	20 U	13.2 U
2,4-Dichlorophenol	UG/L	14.3 U	14.1 U	14 U	20 U	13.2 U
2,4-Dimethylphenol	UG/L	14.3 U	14.1 U	14 U	20 U	13.2 U
2,4-Dinitrophenol	UG/L	35.7 U	35.2 U	35 U	50 U	32.9 U
2,4-Dinitrotoluene	UG/L	14.3 U	14.1 U	14 U	20 U	13.2 U
2,4,5-Trichlorophenol	UG/L	35.7 U	35.2 U	35 U	50 U	32.9 U
2,4,6-Trichlorophenol	UG/L	14.3 U	14.1 U	14 U	20 U	13.2 U
2,6-Dinitrotoluene	UG/L	14.3 U	14.1 U	14 U	20 U	13.2 U
3-Nitroaniline	UG/L	35.7 U	35.2 U	35 U	50 U	32.9 U
3,3'-Dichlorobenzidine	UG/L	14.3 U	14.1 U	14 U	20 U	13.2 U
4-Bromophenyl-phenylether	UG/L	14.3 U	14.1 U	14 U	20 U	13.2 U
4-Chloro-3-methylphenol	UG/L	14.3 U	14.1 U	14 U	20 U	13.2 U
4-Chloroaniline	UG/L	14.3 U	14.1 U	14 U	20 U	13.2 U
4-Chlorophenyl phenyl ether	UG/L	14.3 U	14.1 U	14 U	20 U	13.2 U
4-Methylphenol	UG/L	14.3 U	14.1 U	14 U	20 U	13.2 U
4-Nitroaniline	UG/L	35.7 U	35.2 U	35 U	50 U	32.9 U
4-Nitrophenol	UG/L	35.7 U	35.2 U	35 U	50 U	32.9 U
4,6-Dinitro-2-methylphenol	UG/L	35.7 U	35.2 U	35 U	50 U	32.9 U
Acenaphthene	UG/L	14.3 U	14.1 U	14 U	20 U	13.2 U
Acenaphthylene	UG/L	14.3 U	14.1 U	14 U	20 U	13.2 U
Anthracene	UG/L	14.3 U	14.1 U	14 U	20 U	13.2 U
Benzo[a]anthracene	UG/L	14.3 U	14.1 U	14 U	20 U	13.2 U
Benzo[a]pyrene	UG/L	14.3 U	14.1 U	14 U	20 U	13.2 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 GROUNDWATER
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-GW06DW-01	41-GW07-01	41-GW07DW-01	41-GW08-01	41-GW09-01	41-GW09DW-01
Laboratory Sample ID:	9402163-03	9402152-01A	9402162-03	9402157-05A	9402161-01A	9402162-01
Date Sampled:						

UNITS

SEMIVOLATILES Cont.

	41-GW06DW-01	41-GW07-01	41-GW07DW-01	41-GW08-01	41-GW09-01	41-GW09DW-01	
Benzo[b]fluoranthene	UG/L	14.3 U	14.1 U	14 U	20 U	13.2 U	13.3 U
Benzo[g,h,i]perylene	UG/L	14.3 U	14.1 U	14 U	20 U	13.2 U	13.3 U
Benzo[k]fluoranthene	UG/L	14.3 U	14.1 U	14 U	20 U	13.2 U	13.3 U
bis(2-Chloroethoxy) methane	UG/L	14.3 U	14.1 U	14 U	20 U	13.2 U	13.3 U
bis(2-Chloroethyl) ether	UG/L	14.3 U	14.1 U	14 U	20 U	13.2 U	13.3 U
bis(2-Ethylhexyl)phthalate	UG/L	14.3 U	14.1 U	14 U	20 U	13.2 U	13.3 U
Butyl benzyl phthalate	UG/L	14.3 U	14.1 U	14 U	20 U	13.2 U	13.3 U
Carbazole	UG/L	14.3 U	14.1 U	14 U	20 U	13.2 U	13.3 U
Chrysene	UG/L	14.3 U	14.1 U	14 U	20 U	13.2 U	13.3 U
Dibenzofuran	UG/L	14.3 U	14.1 U	14 U	20 U	13.2 U	13.3 U
Dibenz[a,h]anthracene	UG/L	14.3 U	14.1 U	14 U	20 U	13.2 U	13.3 U
Diethylphthalate	UG/L	14.3 U	14.1 U	14 U	20 U	13.2 U	13.3 U
Dimethyl phthalate	UG/L	14.3 U	14.1 U	14 U	20 U	13.2 U	13.3 U
di-n-Butylphthalate	UG/L	14 U	14.1 U	14 U	20 U	13 U	13 U
di-n-Octylphthalate	UG/L	14.3 U	14.1 U	14 U	20 U	13.2 U	13.3 U
Fluoranthene	UG/L	14.3 U	14.1 U	14 U	20 U	13.2 U	13.3 U
Fluorene	UG/L	14.3 U	14.1 U	14 U	20 U	13.2 U	13.3 U
Hexachlorobenzene	UG/L	14.3 U	14.1 U	14 U	20 U	13.2 U	13.3 U
Hexachlorobutadiene	UG/L	14.3 U	14.1 U	14 U	20 U	13.2 U	13.3 U
Hexachlorocyclopentadiene	UG/L	14.3 U	14.1 U	14 U	20 U	13.2 U	13.3 U
Hexachloroethane	UG/L	14.3 U	14.1 U	14 U	20 U	13.2 U	13.3 U
Indeno[1,2,3-cd]pyrene	UG/L	14.3 U	14.1 U	14 U	20 U	13.2 U	13.3 U
Isophorone	UG/L	14.3 U	14.1 U	14 U	20 U	13.2 U	13.3 U
Naphthalene	UG/L	14.3 U	14.1 U	14 U	20 U	13.2 U	13.3 U
Nitrobenzene	UG/L	14.3 U	14.1 U	14 U	20 U	13.2 U	4 J
N-Nitroso-di-n-propylamine	UG/L	14.3 U	14.1 U	14 U	20 U	13.2 U	13.3 U
N-nitrosodiphenylamine	UG/L	14.3 U	14.1 U	14 U	20 U	13.2 U	13.3 U
Pentachlorophenol	UG/L	35.2 U	35.2 U	35 U	50 U	32.9 U	33.2 U
Phenanthrene	UG/L	14.3 U	14.1 U	14 U	20 U	13.2 U	13.3 U
Phenol	UG/L	14.3 U	14.1 U	14 U	20 U	13.2 U	13.3 U
Pyrene	UG/L	14.3 U	14.1 U	14 U	20 U	13.2 U	13.3 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 GROUNDWATER
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-GW06DW-01	41-GW07-01	41-GW07DW-01	41-GW08-01	41-GW09-01	41-GW09DW-01
Laboratory Sample ID:	9402163-03	9402152-01A	9402162-03	9402157-05A	9402161-01A	9402162-01
Date Sampled:						

	<u>UNITS</u>					
<u>VOLATILES</u>						
Chloromethane	UG/L	10 U	10 U	10 U	10 U	10 U
Bromomethane	UG/L	10 U	10 U	10 U	10 U	10 U
Vinyl chloride	UG/L	10 U	10 U	10 U	10 U	10 U
Chloroethane	UG/L	10 U	10 U	10 U	10 U	10 U
Methylene chloride	UG/L	10 U	10 U	10 U	10 U	12.8 U
Acetone	UG/L	10 U	10 U	10 U	10 UJ	10 UJ
Carbon Disulfide	UG/L	10 U	10 U	10 U	10 U	10 U
1,1-Dichloroethene	UG/L	10 U	10 U	10 U	10 U	10 U
1,1-Dichloroethane	UG/L	10 U	10 U	10 U	10 U	10 U
1,2-Dichloroethene(total)	UG/L	10 U	10 U	10 U	10 U	10 U
Chloroform	UG/L	10 U	10 U	10 U	10 U	1.36 J
1,2-Dichloroethane	UG/L	10 U	10 U	10 U	10 U	10 U
2-Butanone	UG/L	10 U	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane	UG/L	10 U	10 U	10 U	10 U	10 U
Carbon tetrachloride	UG/L	10 U	10 U	10 U	10 U	10 U
Bromodichloromethane	UG/L	10 U	10 U	10 U	10 U	1.05 J
1,2-Dichloropropane	UG/L	10 U	10 U	10 U	10 U	10 U
cis-1,3-Dichloropropene	UG/L	10 U	10 U	10 U	10 U	10 U
Trichloroethene	UG/L	10 U	10 U	10 U	10 U	10 U
Dibromochloromethane	UG/L	10 U	10 U	10 U	10 U	1.95 J
1,1,2-Trichloroethane	UG/L	10 U	10 U	10 U	10 U	10 U
Benzene	UG/L	10 U	10 U	10 U	10 U	10 U
trans-1,3-Dichloropropene	UG/L	10 U	10 U	10 U	10 U	10 U
Bromoform	UG/L	10 U	10 U	10 U	10 U	1.33 J
4-Methyl-2-pentanone	UG/L	10 U	10 U	10 U	10 U	10 U
2-Hexanone	UG/L	10 U	10 U	10 U	10 U	10 U
Tetrachloroethene	UG/L	10 U	10 U	10 U	10 U	10 U
1,1,2,2-Tetrachloroethane	UG/L	10 U	10 U	10 U	10 U	10 U
Toluene	UG/L	10 U	10 U	10 U	10 U	10 U
Chlorobenzene	UG/L	10 U	10 U	10 U	10 U	10 U
Ethylbenzene	UG/L	10 U	10 U	10 U	10 U	10 U
Styrene	UG/L	10 U	10 U	10 U	10 U	10 U
Xylenes (total)	UG/L	10 U	10 U	10 U	10 U	10 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 GROUNDWATER
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-GW06DW-01	41-GW07-01	41-GW07DW-01	41-GW08-01	41-GW09-01	41-GW09DW-01
Laboratory Sample ID:	9402163-03	9402152-01A	9402162-03	9402157-05A	9402161-01A	9402162-01
Date Sampled:						

	UNITS						
PESTICIDE/PCBS							
alpha-BHC	UG/L	0.062 UJ	0.066 UJ	0.066 UJ	0.063 UJ	0.01 J	0.062 UJ
beta-BHC	UG/L	0.062 U	0.066 UJ	0.066 U	0.063 UJ	0.08 J	0.04 J
delta-BHC	UG/L	0.062 UJ	0.066 UJ	0.066 UJ	0.063 UJ	0.062 UJ	0.062 UJ
Lindane (gamma-BHC)	UG/L	0.062 U	0.066 UJ	0.066 U	0.063 UJ	0.062 U	0.062 U
Heptachlor	UG/L	0.062 U	0.066 UJ	0.066 U	0.063 UJ	0.062 U	0.062 U
Aldrin	UG/L	0.062 U	0.066 UJ	0.066 U	0.063 UJ	0.062 U	0.062 U
Heptachlor epoxide	UG/L	0.062 U	0.066 UJ	0.066 U	0.063 UJ	0.062 U	0.062 U
Endosulfan I	UG/L	0.062 U	0.066 UJ	0.066 U	0.063 UJ	0.062 U	0.062 U
Dieldrin	UG/L	0.123 U	0.132 UJ	0.132 U	0.126 UJ	0.125 U	0.125 U
4,4'-DDE	UG/L	0.123 U	0.132 UJ	0.132 U	0.126 UJ	0.125 U	0.125 U
Endrin	UG/L	0.123 U	0.132 UJ	0.132 U	0.126 UJ	0.125 U	0.125 U
Endosulfan II	UG/L	0.123 U	0.132 UJ	0.132 U	0.126 UJ	0.125 U	0.125 U
4,4'-DDD	UG/L	0.123 U	0.132 UJ	0.132 U	0.126 UJ	0.125 U	0.125 U
Endosulfan sulfate	UG/L	0.123 U	0.132 UJ	0.132 U	0.126 UJ	0.125 U	0.125 U
4,4'-DDT	UG/L	0.123 U	0.132 UJ	0.132 U	0.126 UJ	0.125 U	0.125 U
Methoxychlor	UG/L	0.617 U	0.658 UJ	0.658 U	0.633 UJ	0.625 U	0.625 U
Endrin ketone	UG/L	0.123 U	0.132 UJ	0.132 U	0.126 UJ	0.125 U	0.125 U
Endrin aldehyde	UG/L	0.123 U	0.132 UJ	0.132 U	0.126 UJ	0.125 U	0.125 U
alpha-Chlordane	UG/L	0.062 U	0.066 UJ	0.066 U	0.063 UJ	0.062 U	0.062 U
gamma-Chlordane	UG/L	0.062 U	0.066 UJ	0.066 U	0.063 UJ	0.062 U	0.062 U
Toxaphene	UG/L	6.17 U	6.58 UJ	6.58 U	6.33 UJ	6.25 U	6.25 U
Aroclor 1016	UG/L	1.23 U	1.32 UJ	1.32 U	1.26 UJ	1.25 U	1.25 U
Aroclor 1221	UG/L	2.47 U	2.63 UJ	2.63 U	2.53 UJ	2.5 U	2.5 U
Aroclor 1232	UG/L	1.23 U	1.32 UJ	1.32 U	1.26 UJ	1.25 U	1.25 U
Aroclor 1242	UG/L	1.23 U	1.32 UJ	1.32 U	1.26 UJ	1.25 U	1.25 U
Aroclor 1248	UG/L	1.23 U	1.32 UJ	1.32 U	1.26 UJ	1.25 U	1.25 U
Aroclor 1254	UG/L	1.23 U	1.32 UJ	1.32 U	1.26 UJ	1.25 U	1.25 U
Aroclor 1260	UG/L	1.23 U	1.32 UJ	1.32 U	1.26 UJ	1.25 U	1.25 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 GROUNDWATER
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-GW06DW-01	41-GW07-01	41-GW07DW-01	41-GW08-01	41-GW09-01	41-GW09DW-01
Laboratory Sample ID:	9402163-03	9402152-01A	9402162-03	9402157-05A	9402161-01A	9402162-01
Date Sampled:						
	<u>UNITS</u>					
<u>CHEMICAL SURETY</u>						
Acetophenone	UG/L	14.3 U	14.1 U	14 U	20 U	13.3 U
Chloroacetophenone	UG/L	14.3 U	14.1 U	14 U	20 U	13.3 U
Hydroxyacetophenone	UG/L	71.4 U	70.4 U	70 U	100 U	66.5 U
Bis(2'-chloroethyl)disulfide	UG/L	71.4 U	70.4 U	70 U	100 U	66.5 U
Bis(2'-chloroethyl)trisulfide	UG/L	71.4 U	70.4 U	70 U	100 U	66.5 U
1,4-Dithiane	UG/L	14.3 U	14.1 U	14 U	20 U	13.3 U
1,4-Oxathiane	UG/L	14.3 U	14.1 U	14 U	20 U	13.3 U
<u>THIODIGLYCOL</u>						
Thiodiglycol	UG/L	25 U	25 U	25 U	25 U	25 U
<u>ORDNANCE</u>						
1,3,5-Trinitrobenzene		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dinitrobenzene		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2,4,6-Trinitrotoluene		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2,4-Dinitrotoluene		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2,6-Dinitrotoluene		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-Amino-4,6-dinitrotoluene		0.03 U	0.03 U	0.03 U	0.03 U	0.03 U
2-Nitrotoluene		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
3-Nitrotoluene		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
4-Amino-2,6-dinitrotoluene		0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
4-Nitrotoluene		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
HMX		1.25 U	1.25 U	1.25 U	1.25 U	1.25 U
Nitrobenzene		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
RDX		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetryl		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
<u>MIREX</u>						
Mirex		71.4 U	70.4 U	70 U	100 U	66.5 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 GROUNDWATER
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-GW10-01	41-GW11-01	41-GW11DW-01	41-GW12-01	41-GW12DW-01	41-GW13-01
Laboratory Sample ID:	9402161-03A	9402165-01	9402163-01	9402157-01A	9402159-03A	9402157-03A
Date Sampled:						

	<u>UNITS</u>						
<u>SEMIVOLATILES</u>							
1,2-Dichlorobenzene	UG/L	12.4 U	12.5 U	20 UJ	11.4 U	13.5 U	11.8 U
1,2,4-Trichlorobenzene	UG/L	12.4 U	12.5 U	20 UJ	11.4 U	13.5 U	11.8 U
1,3-Dichlorobenzene	UG/L	12.4 U	12.5 U	20 UJ	11.4 U	13.5 U	11.8 U
1,4-Dichlorobenzene	UG/L	12.4 U	12.5 U	20 UJ	11.4 U	13.5 U	11.8 U
2-Chloronaphthalene	UG/L	12.4 U	12.5 U	20 UJ	11.4 U	13.5 U	11.8 U
2-Chlorophenol	UG/L	12.4 U	12.5 U	20 UJ	11.4 U	13.5 U	11.8 U
2-Methylnaphthalene	UG/L	12.4 U	12.5 U	20 UJ	11.4 U	13.5 U	11.8 U
2-Methylphenol	UG/L	12.4 U	12.5 U	20 UJ	11.4 U	13.5 U	11.8 U
2-Nitroaniline	UG/L	30.9 U	31.2 U	50 UJ	28.4 U	33.8 U	29.4 U
2-Nitrophenol	UG/L	12.4 U	12.5 U	20 UJ	11.4 U	13.5 U	11.8 U
2,2'-oxybis-(1-chloropropane)	UG/L	12.4 U	12.5 U	20 UJ	11.4 U	13.5 U	11.8 U
2,4-Dichlorophenol	UG/L	12.4 U	12.5 U	20 UJ	11.4 U	13.5 U	11.8 U
2,4-Dimethylphenol	UG/L	12.4 U	12.5 U	20 UJ	11.4 U	13.5 U	11.8 U
2,4-Dinitrophenol	UG/L	30.9 U	31.2 U	50 UJ	28.4 U	33.8 U	29.4 U
2,4-Dinitrotoluene	UG/L	12.4 U	12.5 U	20 UJ	11.4 U	13.5 U	11.8 U
2,4,5-Trichlorophenol	UG/L	30.9 U	31.2 U	50 UJ	28.4 U	33.8 U	29.4 U
2,4,6-Trichlorophenol	UG/L	12.4 U	12.5 U	20 UJ	11.4 U	13.5 U	11.8 U
2,6-Dinitrotoluene	UG/L	12.4 U	12.5 U	20 UJ	11.4 U	13.5 U	11.8 U
3-Nitroaniline	UG/L	30.9 U	31.2 U	50 UJ	28.4 U	33.8 U	29.4 U
3,3'-Dichlorobenzidine	UG/L	12.4 U	12.5 U	20 UJ	11.4 U	13.5 U	11.8 U
4-Bromophenyl-phenylether	UG/L	12.4 U	12.5 U	20 UJ	11.4 U	13.5 U	11.8 U
4-Chloro-3-methylphenol	UG/L	12.4 U	12.5 U	20 UJ	11.4 U	13.5 U	11.8 U
4-Chloroaniline	UG/L	12.4 U	12.5 U	20 UJ	11.4 U	13.5 U	11.8 U
4-Chlorophenyl phenyl ether	UG/L	12.4 U	12.5 U	20 UJ	11.4 U	13.5 U	11.8 U
4-Methylphenol	UG/L	12.4 U	12.5 U	20 UJ	11.4 U	13.5 U	11.8 U
4-Nitroaniline	UG/L	30.9 U	31.2 U	50 UJ	28.4 U	33.8 U	29.4 U
4-Nitrophenol	UG/L	30.9 U	31.2 U	50 UJ	28.4 U	33.8 U	29.4 U
4,6-Dinitro-2-methylphenol	UG/L	30.9 U	31.2 U	50 UJ	28.4 U	33.8 U	29.4 U
Acenaphthene	UG/L	12.4 U	12.5 U	20 UJ	11.4 U	13.5 U	11.8 U
Acenaphthylene	UG/L	12.4 U	12.5 U	20 UJ	11.4 U	13.5 U	11.8 U
Anthracene	UG/L	12.4 U	12.5 U	20 UJ	11.4 U	13.5 U	11.8 U
Benzof[<i>a</i>]anthracene	UG/L	12.4 U	12.5 U	20 UJ	11.4 U	13.5 U	11.8 U
Benzof[<i>a</i>]pyrene	UG/L	12.4 U	12.5 U	20 UJ	11.4 U	13.5 U	11.8 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 GROUNDWATER
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-GW10-01	41-GW11-01	41-GW11DW-01	41-GW12-01	41-GW12DW-01	41-GW13-01
Laboratory Sample ID:	9402161-03A	9402165-01	9402163-01	9402157-01A	9402159-03A	9402157-03A
Date Sampled:						

UNITS

SEMIVOLATILES Cont.

Benzo[b]fluoranthene	UG/L	12.4 U	12.5 U	20 UJ	11.4 U	13.5 U	11.8 U
Benzo[g,h,i]perylene	UG/L	12.4 U	12.5 U	20 UJ	11.4 U	13.5 U	11.8 U
Benzo[k]fluoranthene	UG/L	12.4 U	12.5 U	20 UJ	11.4 U	13.5 U	11.8 U
bis(2-Chloroethoxy) methane	UG/L	12.4 U	12.5 U	20 UJ	11.4 U	13.5 U	11.8 U
bis(2-Chloroethyl) ether	UG/L	12.4 U	12.5 U	20 UJ	11.4 U	13.5 U	11.8 U
bis(2-Ethylhexyl)phthalate	UG/L	12.4 U	12.5 U	20 UJ	11.4 U	13.5 U	1 J
Butyl benzyl phthalate	UG/L	12.4 U	12.5 U	20 UJ	11.4 U	13.5 U	11.8 U
Carbazole	UG/L	12.4 U	12.5 U	20 UJ	11.4 U	13.5 U	11.8 U
Chrysene	UG/L	12.4 U	12.5 U	20 UJ	11.4 U	13.5 U	11.8 U
Dibenzofuran	UG/L	12.4 U	12.5 U	20 UJ	11.4 U	13.5 U	11.8 U
Dibenz[a,h]anthracene	UG/L	12.4 U	12.5 U	20 UJ	11.4 U	13.5 U	11.8 U
Diethylphthalate	UG/L	12.4 U	12.5 U	20 UJ	11.4 U	13.5 U	11.8 U
Dimethyl phthalate	UG/L	12.4 U	12.5 U	20 UJ	11.4 U	13.5 U	11.8 U
di-n-Butylphthalate	UG/L	12.4 U	12 U	20 UJ	11.4 U	14 U	1 J
di-n-Octylphthalate	UG/L	12.4 U	12.5 U	20 UJ	11.4 U	13.5 U	11.8 U
Fluoranthene	UG/L	12.4 U	12.5 U	20 UJ	11.4 U	13.5 U	11.8 U
Fluorene	UG/L	12.4 U	12.5 U	20 UJ	11.4 U	13.5 U	11.8 U
Hexachlorobenzene	UG/L	12.4 U	12.5 U	20 UJ	11.4 U	13.5 U	11.8 U
Hexachlorobutadiene	UG/L	12.4 U	12.5 U	20 UJ	11.4 U	13.5 U	11.8 U
Hexachlorocyclopentadiene	UG/L	12.4 U	12.5 U	20 UJ	11.4 U	13.5 U	11.8 U
Hexachloroethane	UG/L	12.4 U	12.5 U	20 UJ	11.4 U	13.5 U	11.8 U
Indeno[1,2,3-cd]pyrene	UG/L	12.4 U	12.5 U	20 UJ	11.4 U	13.5 U	11.8 U
Isophorone	UG/L	12.4 U	12.5 U	20 UJ	11.4 U	13.5 U	11.8 U
Naphthalene	UG/L	12.4 U	3 J	20 UJ	11.4 U	13.5 U	11.8 U
Nitrobenzene	UG/L	12.4 U	12.5 U	20 UJ	11.4 U	13.5 U	11.8 U
N-Nitroso-di-n-propylamine	UG/L	12.4 U	12.5 U	20 UJ	11.4 U	13.5 U	11.8 U
N-nitrosodiphenylamine	UG/L	12.4 U	12.5 U	20 UJ	11.4 U	13.5 U	11.8 U
Pentachlorophenol	UG/L	30.9 U	31.2 U	34.7 UJ	28.4 U	33.8 U	29.4 U
Phenanthrene	UG/L	12.4 U	12.5 U	20 UJ	11.4 U	13.5 U	11.8 U
Phenol	UG/L	12.4 U	12.5 U	20 UJ	11.4 U	13.5 U	11.8 U
Pyrene	UG/L	12.4 U	12.5 U	20 UJ	11.4 U	13.5 U	11.8 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 GROUNDWATER
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-GW10-01	41-GW11-01	41-GW11DW-01	41-GW12-01	41-GW12DW-01	41-GW13-01
Laboratory Sample ID:	9402161-03A	9402165-01	9402163-01	9402157-01A	9402159-03A	9402157-03A
Date Sampled:						

	UNITS						
<u>VOLATILES</u>							
Chloromethane	UG/L	10 U	10 U	10 U	10 U	10 U	10 U
Bromomethane	UG/L	10 U	10 U	10 U	10 U	10 U	10 U
Vinyl chloride	UG/L	10 U	10 U	10 U	10 U	10 U	10 U
Chloroethane	UG/L	10 U	10 U	10 U	10 U	10 U	10 U
Methylene chloride	UG/L	10 U	10 U	10 U	10 U	10 U	10 U
Acetone	UG/L	10 UJ	10 U	10 U	12.2 UJ	13.5 UJ	10 UJ
Carbon Disulfide	UG/L	10 U	10 U	10 U	10 U	10 U	10 U
1,1-Dichloroethene	UG/L	10 U	10 U	10 U	10 U	10 U	10 U
1,1-Dichloroethane	UG/L	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichloroethene(total)	UG/L	10 U	10 U	1.22 J	10 U	10 U	10 U
Chloroform	UG/L	3.17 J	10 U	10 U	10 U	1.02 J	10 U
1,2-Dichloroethane	UG/L	10 U	10 U	10 U	10 U	10 U	10 U
2-Butanone	UG/L	10 U	10 U	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane	UG/L	10 U	10 U	10 U	10 U	10 U	10 U
Carbon tetrachloride	UG/L	10 U	10 U	10 U	10 U	10 U	10 U
Bromodichloromethane	UG/L	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichloropropane	UG/L	10 U	10 U	10 U	10 U	10 U	10 U
cis-1,3-Dichloropropene	UG/L	10 U	10 U	10 U	10 U	10 U	10 U
Trichloroethene	UG/L	10 U	10 U	10 U	10 U	10 U	10 U
Dibromochloromethane	UG/L	10 U	10 U	10 U	10 U	1.27 J	10 U
1,1,2-Trichloroethane	UG/L	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	UG/L	10 U	2.67 J	10 U	10 U	10 U	10 U
trans-1,3-Dichloropropene	UG/L	10 U	10 U	10 U	10 U	10 U	10 U
Bromoform	UG/L	10 U	10 U	10 U	10 U	10 U	10 U
4-Methyl-2-pentanone	UG/L	10 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone	UG/L	10 U	10 U	10 U	10 U	10 U	10 U
Tetrachloroethene	UG/L	10 U	10 U	10 U	10 U	10 U	10 U
1,1,2,2-Tetrachloroethane	UG/L	10 U	10 U	10 U	10 U	10 U	10 U
Toluene	UG/L	10 U	10 U	10 U	10 U	10 U	10 U
Chlorobenzene	UG/L	10 U	1.49 J	10 U	10 U	10 U	10 U
Ethylbenzene	UG/L	10 U	10 U	10 U	10 U	10 U	10 U
Styrene	UG/L	10 U	10 U	10 U	10 U	10 U	10 U
Xylenes (total)	UG/L	10 U	10 U	10 U	10 U	10 U	10 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 GROUNDWATER
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-GW10-01	41-GW11-01	41-GW11DW-01	41-GW12-01	41-GW12DW-01	41-GW13-01
Laboratory Sample ID:	9402161-03A	9402165-01	9402163-01	9402157-01A	9402159-03A	9402157-03A
Date Sampled:						

	UNITS						
PESTICIDE/PCBS							
alpha-BHC	UG/L	0.059 UJ	0.06 UJ	0.061 UJ	0.068 UJ	0.077 UJ	0.075 UJ
beta-BHC	UG/L	0.059 UJ	0.06 UJ	0.061 UJ	0.068 UJ	0.077 UJ	0.075 UJ
delta-BHC	UG/L	0.059 UJ	0.06 UJ	0.061 UJ	0.068 UJ	0.077 UJ	0.075 UJ
Lindane (gamma-BHC)	UG/L	0.059 UJ	0.06 UJ	0.061 UJ	0.068 UJ	0.077 UJ	0.075 UJ
Heptachlor	UG/L	0.06 UJ	0.06 UJ	0.061 UJ	0.068 UJ	0.08 UJ	0.075 UJ
Aldrin	UG/L	0.059 UJ	0.06 UJ	0.061 UJ	0.068 UJ	0.077 UJ	0.075 UJ
Heptachlor epoxide	UG/L	0.059 UJ	0.06 UJ	0.061 UJ	0.068 UJ	0.077 UJ	0.075 UJ
Endosulfan I	UG/L	0.059 UJ	0.06 UJ	0.061 UJ	0.068 UJ	0.077 UJ	0.075 UJ
Dieldrin	UG/L	0.118 UJ	0.119 UJ	0.122 UJ	0.137 UJ	0.154 UJ	0.149 UJ
4,4'-DDE	UG/L	0.118 UJ	0.119 UJ	0.122 UJ	0.137 UJ	0.154 UJ	0.149 UJ
Endrin	UG/L	0.118 UJ	0.119 UJ	0.122 UJ	0.137 UJ	0.154 UJ	0.149 UJ
Endosulfan II	UG/L	0.118 UJ	0.119 UJ	0.122 UJ	0.137 UJ	0.154 UJ	0.149 UJ
4,4'-DDD	UG/L	0.118 UJ	0.01 NJ	0.122 UJ	0.137 UJ	0.154 UJ	0.149 UJ
Endosulfan sulfate	UG/L	0.118 UJ	0.119 UJ	0.122 UJ	0.137 UJ	0.154 UJ	0.149 UJ
4,4'-DDT	UG/L	0.118 UJ	0.119 UJ	0.122 UJ	0.137 UJ	0.154 UJ	0.149 UJ
Methoxychlor	UG/L	0.588 UJ	0.595 UJ	0.61 UJ	0.685 UJ	0.769 UJ	0.746 UJ
Endrin ketone	UG/L	0.118 UJ	0.119 UJ	0.122 UJ	0.137 UJ	0.154 UJ	0.149 UJ
Endrin aldehyde	UG/L	0.118 UJ	0.119 UJ	0.122 UJ	0.137 UJ	0.154 UJ	0.149 UJ
alpha-Chlordane	UG/L	0.059 UJ	0.06 UJ	0.061 UJ	0.068 UJ	0.077 UJ	0.075 UJ
gamma-Chlordane	UG/L	0.059 UJ	0.06 UJ	0.061 UJ	0.068 UJ	0.077 UJ	0.075 UJ
Toxaphene	UG/L	5.88 UJ	5.95 UJ	6.1 UJ	6.85 UJ	7.69 UJ	7.46 UJ
Aroclor 1016	UG/L	1.18 UJ	1.19 UJ	1.22 UJ	1.37 UJ	1.54 UJ	1.49 UJ
Aroclor 1221	UG/L	2.35 UJ	2.38 UJ	2.44 UJ	2.74 UJ	3.08 UJ	2.98 UJ
Aroclor 1232	UG/L	1.18 UJ	1.19 UJ	1.22 UJ	1.37 UJ	1.54 UJ	1.49 UJ
Aroclor 1242	UG/L	1.18 UJ	1.19 UJ	1.22 UJ	1.37 UJ	1.54 UJ	1.49 UJ
Aroclor 1248	UG/L	1.18 UJ	1.19 UJ	1.22 UJ	1.37 UJ	1.54 UJ	1.49 UJ
Aroclor 1254	UG/L	1.18 UJ	1.19 UJ	1.22 UJ	1.37 UJ	1.54 UJ	1.49 UJ
Aroclor 1260	UG/L	1.18 UJ	1.19 UJ	1.22 UJ	1.37 UJ	1.54 UJ	1.49 UJ

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 GROUNDWATER
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-GW10-01	41-GW11-01	41-GW11DW-01	41-GW12-01	41-GW12DW-01	41-GW13-01
Laboratory Sample ID:	9402161-03A	9402165-01	9402163-01	9402157-01A	9402159-03A	9402157-03A
Date Sampled:						
	<u>UNITS</u>					
<u>CHEMICAL SURETY</u>						
Acetophenone	UG/L	12.4 U	12.5 U	20 UJ	11.4 U	11.8 U
Chloroacetophenone	UG/L	12.4 U	12.5 U	20 UJ	11.4 U	11.8 U
Hydroxyacetophenone	UG/L	61.8 U	62.5 U	69.4 UJ	56.8 U	58.8 U
Bis(2'-chloroethyl)disulfide	UG/L	61.8 U	62.5 U	69.4 U	56.8 U	58.8 U
Bis(2'-chloroethyl)trisulfide	UG/L	61.8 U	62.5 U	69.4 U	56.8 U	58.8 U
1,4-Dithiane	UG/L	12.4 U	12.5 U	20 UJ	11.4 U	11.8 U
1,4-Oxathiane	UG/L	12.4 U	12.5 U	20 UJ	11.4 U	11.8 U
<u>THIODIGLYCOL</u>						
Thiodiglycol	UG/L	25 U	25 U	25 U	25 U	25 U
<u>ORDNANCE</u>						
1,3,5-Trinitrobenzene		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dinitrobenzene		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2,4,6-Trinitrotoluene		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2,4-Dinitrotoluene		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2,6-Dinitrotoluene		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-Amino-4,6-dinitrotoluene		0.03 U	0.03 U	0.03 U	0.03 U	0.03 U
2-Nitrotoluene		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
3-Nitrotoluene		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
4-Amino-2,6-dinitrotoluene		0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
4-Nitrotoluene		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
HMX		1.25 U	1.25 U	1.25 U	1.25 U	1.25 U
Nitrobenzene		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
RDX		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetryl		0.5 U	0.5 U	0.5 R	0.5 U	0.5 U
<u>MIREX</u>						
Mirex		61.8 U	62.5 U	69.4 U	56.8 U	58.8 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 GROUNDWATER
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID: Laboratory Sample ID: Date Sampled:	MINIMUM NONDETECTED	MAXIMUM NONDETECTED	MINIMUM DETECTED	MAXIMUM DETECTED	LOCATION OF MAXIMUM DETECTED	FREQUENCY OF DETECTION
	<u>UNITS</u>					
<u>SEMIVOLATILES</u>						
1,2-Dichlorobenzene	UG/L	11.4 U	20 U	ND	ND	0/18
1,2,4-Trichlorobenzene	UG/L	11.4 U	20 U	ND	ND	0/18
1,3-Dichlorobenzene	UG/L	11.4 U	20 U	ND	ND	0/18
1,4-Dichlorobenzene	UG/L	11.4 U	20 U	ND	ND	0/18
2-Chloronaphthalene	UG/L	11.4 U	20 U	ND	ND	0/18
2-Chlorophenol	UG/L	11.4 U	20 U	ND	ND	0/18
2-Methylnaphthalene	UG/L	11.4 U	20 U	ND	ND	0/18
2-Methylphenol	UG/L	11.4 U	20 U	ND	ND	0/18
2-Nitroaniline	UG/L	28.4 U	50 U	ND	ND	0/18
2-Nitrophenol	UG/L	11.4 U	20 U	ND	ND	0/18
2,2'-oxybis-(1-chloropropane)	UG/L	11.4 U	20 U	ND	ND	0/18
2,4-Dichlorophenol	UG/L	11.4 U	20 U	ND	ND	0/18
2,4-Dimethylphenol	UG/L	11.4 U	20 U	ND	ND	0/18
2,4-Dinitrophenol	UG/L	28.4 U	50 U	ND	ND	0/18
2,4-Dinitrotoluene	UG/L	11.4 U	20 U	ND	ND	0/18
2,4,5-Trichlorophenol	UG/L	28.4 U	50 U	ND	ND	0/18
2,4,6-Trichlorophenol	UG/L	11.4 U	20 U	ND	ND	0/18
2,6-Dinitrotoluene	UG/L	11.4 U	20 U	ND	ND	0/18
3-Nitroaniline	UG/L	28.4 U	50 U	ND	ND	0/18
3,3'-Dichlorobenzidine	UG/L	11.4 U	20 U	ND	ND	0/18
4-Bromophenyl-phenylether	UG/L	11.4 U	20 U	ND	ND	0/18
4-Chloro-3-methylphenol	UG/L	11.4 U	20 U	ND	ND	0/18
4-Chloroaniline	UG/L	11.4 U	20 U	ND	ND	0/18
4-Chlorophenyl phenyl ether	UG/L	11.4 U	20 U	ND	ND	0/18
4-Methylphenol	UG/L	11.4 U	20 U	ND	ND	0/18
4-Nitroaniline	UG/L	28.4 U	50 U	ND	ND	0/18
4-Nitrophenol	UG/L	28.4 U	50 U	ND	ND	0/18
4,6-Dinitro-2-methylphenol	UG/L	28.4 U	50 U	ND	ND	0/18
Acenaphthene	UG/L	11.4 U	20 U	ND	ND	0/18
Acenaphthylene	UG/L	11.4 U	20 U	ND	ND	0/18
Anthracene	UG/L	11.4 U	20 U	ND	ND	0/18
Benzo[a]anthracene	UG/L	11.4 U	20 U	ND	ND	0/18
Benzo[a]pyrene	UG/L	11.4 U	20 U	ND	ND	0/18

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 GROUNDWATER
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID: Laboratory Sample ID: Date Sampled:	MINIMUM NONDETECTED	MAXIMUM NONDETECTED	MINIMUM DETECTED	MAXIMUM DETECTED	LOCATION OF MAXIMUM DETECTED	FREQUENCY OF DETECTION
<u>UNITS</u>						
<u>SEMIVOLATILES Cont.</u>						
Benzo[b]fluoranthene	UG/L	11.4 U	20 U	ND	ND	0/18
Benzo[g,h,i]perylene	UG/L	11.4 U	20 U	ND	ND	0/18
Benzo[k]fluoranthene	UG/L	11.4 U	20 U	ND	ND	0/18
bis(2-Chloroethoxy) methane	UG/L	11.4 U	20 U	ND	ND	0/18
bis(2-Chloroethyl) ether	UG/L	11.4 U	20 U	ND	ND	0/18
bis(2-Ethylhexyl)phthalate	UG/L	11.4 U	20 U	1 J	1 J	41-GW13-01 1/18
Butyl benzyl phthalate	UG/L	11.4 U	20 U	ND	ND	0/18
Carbazole	UG/L	11.4 U	20 U	ND	ND	0/18
Chrysene	UG/L	11.4 U	20 U	ND	ND	0/18
Dibenzofuran	UG/L	11.4 U	20 U	ND	ND	0/18
Dibenz[a,h]anthracene	UG/L	11.4 U	20 U	ND	ND	0/18
Diethylphthalate	UG/L	11.4 U	20 U	ND	ND	0/18
Dimethyl phthalate	UG/L	11.4 U	20 U	ND	ND	0/18
di-n-Butylphthalate	UG/L	11.4 U	20 U	1 J	2 J	41-GW04-01 3/18
di-n-Octylphthalate	UG/L	11.4 U	20 U	ND	ND	0/18
Fluoranthene	UG/L	11.4 U	20 U	ND	ND	0/18
Fluorene	UG/L	11.4 U	20 U	ND	ND	0/18
Hexachlorobenzene	UG/L	11.4 U	20 U	ND	ND	0/18
Hexachlorobutadiene	UG/L	11.4 U	20 U	ND	ND	0/18
Hexachlorocyclopentadiene	UG/L	11.4 U	20 U	ND	ND	0/18
Hexachloroethane	UG/L	11.4 U	20 U	ND	ND	0/18
Indeno[1,2,3-cd]pyrene	UG/L	11.4 U	20 U	ND	ND	0/18
Isophorone	UG/L	11.4 U	20 U	ND	ND	0/18
Naphthalene	UG/L	11.4 U	20 U	3 J	3 J	41-GW11-01 1/18
Nitrobenzene	UG/L	11.4 U	20 U	4 J	4 J	41-GW09DW-01 1/18
N-Nitroso-di-n-propylamine	UG/L	11.4 U	20 U	ND	ND	0/18
N-nitrosodiphenylamine	UG/L	11.4 U	20 U	ND	ND	0/18
Pentachlorophenol	UG/L	28.4 U	50 U	ND	ND	0/18
Phenanthrene	UG/L	11.4 U	20 U	ND	ND	0/18
Phenol	UG/L	11.4 U	20 U	ND	ND	0/18
Pyrene	UG/L	11.4 U	20 U	ND	ND	0/18

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 GROUNDWATER
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID: Laboratory Sample ID: Date Sampled:	MINIMUM NONDETECTED	MAXIMUM NONDETECTED	MINIMUM DETECTED	MAXIMUM DETECTED	LOCATION OF MAXIMUM DETECTED	FREQUENCY OF DETECTION
	<u>UNITS</u>					
	<u>VOLATILES</u>					
Chloromethane	UG/L	10 U	10 U	ND	ND	0/18
Bromomethane	UG/L	10 U	10 U	ND	ND	0/18
Vinyl chloride	UG/L	10 U	10 U	ND	ND	0/18
Chloroethane	UG/L	10 U	10 U	ND	ND	0/18
Methylene chloride	UG/L	10 U	12.8 U	ND	ND	0/18
Acetone	UG/L	10 U	13.5 UJ	ND	ND	0/18
Carbon Disulfide	UG/L	10 U	10 U	ND	ND	0/18
1,1-Dichloroethene	UG/L	10 U	10 U	ND	ND	0/18
1,1-Dichloroethane	UG/L	10 U	10 U	ND	ND	0/18
1,2-Dichloroethene(total)	UG/L	10 U	10 U	1.22 J	1.22 J	41-GW11DW-01 1/18
Chloroform	UG/L	10 U	10 U	1.02 J	3.17 J	41-GW10-01 3/18
1,2-Dichloroethane	UG/L	10 U	10 U	ND	ND	0/18
2-Butanone	UG/L	10 U	10 U	ND	ND	0/18
1,1,1-Trichloroethane	UG/L	10 U	10 U	ND	ND	0/18
Carbon tetrachloride	UG/L	10 U	10 U	ND	ND	0/18
Bromodichloromethane	UG/L	10 U	10 U	1.05 J	1.05 J	41-GW09-01 1/18
1,2-Dichloropropane	UG/L	10 U	10 U	ND	ND	0/18
cis-1,3-Dichloropropene	UG/L	10 U	10 U	ND	ND	0/18
Trichloroethene	UG/L	10 U	10 U	ND	ND	0/18
Dibromochloromethane	UG/L	10 U	10 U	1.27 J	1.95 J	41-GW09-01 2/18
1,1,2-Trichloroethane	UG/L	10 U	10 U	ND	ND	0/18
Benzene	UG/L	10 U	10 U	2.67 J	2.67 J	41-GW11-01 1/18
trans-1,3-Dichloropropene	UG/L	10 U	10 U	ND	ND	0/18
Bromoform	UG/L	10 U	10 U	1.33 J	1.33 J	41-GW09-01 1/18
4-Methyl-2-pentanone	UG/L	10 U	10 U	ND	ND	0/18
2-Hexanone	UG/L	10 U	10 U	ND	ND	0/18
Tetrachloroethene	UG/L	10 U	10 U	ND	ND	0/18
1,1,2,2-Tetrachloroethane	UG/L	10 U	10 U	ND	ND	0/18
Toluene	UG/L	10 U	10 U	ND	ND	0/18
Chlorobenzene	UG/L	10 U	10 U	1.49 J	1.49 J	41-GW11-01 1/18
Ethylbenzene	UG/L	10 U	10 U	ND	ND	0/18
Styrene	UG/L	10 U	10 U	ND	ND	0/18
Xylenes (total)	UG/L	10 U	10 U	ND	ND	0/18

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 GROUNDWATER
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID: Laboratory Sample ID: Date Sampled:		MINIMUM NONDETECTED	MAXIMUM NONDETECTED	MINIMUM DETECTED	MAXIMUM DETECTED	LOCATION OF MAXIMUM DETECTED	FREQUENCY OF DETECTION
	UNITS						
	<u>PESTICIDE/PCBS</u>						
alpha-BHC	UG/L	0.055 UJ	0.1 UJ	0.01 J	0.01 J	41-GW09-01	1/18
beta-BHC	UG/L	0.056 U	0.1 U	0.04 J	0.08 J	41-GW09-01	4/18
delta-BHC	UG/L	0.055 UJ	0.1 UJ	ND	ND		0/18
Lindane (gamma-BHC)	UG/L	0.055 UJ	0.1 U	ND	ND		0/18
Heptachlor	UG/L	0.056 U	0.1 U	ND	ND		0/18
Aldrin	UG/L	0.055 UJ	0.1 U	ND	ND		0/18
Heptachlor epoxide	UG/L	0.055 UJ	0.1 U	ND	ND		0/18
Endosulfan I	UG/L	0.055 UJ	0.1 U	ND	ND		0/18
Dieldrin	UG/L	0.11 UJ	0.2 U	ND	ND		0/18
4,4'-DDE	UG/L	0.11 UJ	0.2 U	ND	ND		0/18
Endrin	UG/L	0.11 UJ	0.2 U	ND	ND		0/18
Endosulfan II	UG/L	0.11 UJ	0.2 U	ND	ND		0/18
4,4'-DDD	UG/L	0.11 UJ	0.2 U	0.01 NJ	0.01 NJ	41-GW11-01	1/18
Endosulfan sulfate	UG/L	0.11 UJ	0.2 U	ND	ND		0/18
4,4'-DDT	UG/L	0.11 UJ	0.2 U	ND	ND		0/18
Methoxychlor	UG/L	0.549 UJ	1 U	ND	ND		0/18
Endrin ketone	UG/L	0.11 UJ	0.2 U	ND	ND		0/18
Endrin aldehyde	UG/L	0.11 UJ	0.2 U	ND	ND		0/18
alpha-Chlordane	UG/L	0.055 UJ	0.1 U	ND	ND		0/18
gamma-Chlordane	UG/L	0.055 UJ	0.1 U	ND	ND		0/18
Toxaphene	UG/L	5.49 UJ	10 U	ND	ND		0/18
Aroclor 1016	UG/L	1.1 UJ	2 U	ND	ND		0/18
Aroclor 1221	UG/L	2.2 UJ	4 U	ND	ND		0/18
Aroclor 1232	UG/L	1.1 UJ	2 U	ND	ND		0/18
Aroclor 1242	UG/L	1.1 UJ	2 U	ND	ND		0/18
Aroclor 1248	UG/L	1.1 UJ	2 U	ND	ND		0/18
Aroclor 1254	UG/L	1.1 UJ	2 U	ND	ND		0/18
Aroclor 1260	UG/L	1.1 UJ	2 U	ND	ND		0/18

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 GROUNDWATER
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID: Laboratory Sample ID: Date Sampled:	MINIMUM NONDETECTED	MAXIMUM NONDETECTED	MINIMUM DETECTED	MAXIMUM DETECTED	LOCATION OF MAXIMUM DETECTED	FREQUENCY OF DETECTION
	<u>UNITS</u>					
	<u>CHEMICAL SURETY</u>					
Acetophenone	UG/L	11.4 U	20 U	ND	ND	0/18
Chloroacetophenone	UG/L	11.4 U	20 U	ND	ND	0/18
Hydroxyacetophenone	UG/L	56.8 U	100 U	ND	ND	0/18
Bis(2'-chloroethyl)disulfide	UG/L	56.8 U	100 U	ND	ND	0/18
Bis(2'-chloroethyl)trisulfide	UG/L	56.8 U	100 U	ND	ND	0/18
1,4-Dithiane	UG/L	11.4 U	20 U	ND	ND	0/18
1,4-Oxathiane	UG/L	11.4 U	20 U	ND	ND	0/18
	<u>THIODIGLYCOL</u>					
Thiodiglycol	UG/L	25 U	25 U	ND	ND	0/18
	<u>ORDNANCE</u>					
1,3,5-Trinitrobenzene		0.5 U	0.5 U	ND	ND	0/18
1,3-Dinitrobenzene		0.5 U	0.5 U	ND	ND	0/18
2,4,6-Trinitrotoluene		0.5 U	0.5 U	ND	ND	0/18
2,4-Dinitrotoluene		0.5 U	0.5 U	ND	ND	0/18
2,6-Dinitrotoluene		0.5 U	0.5 U	ND	ND	0/18
2-Amino-4,6-dinitrotoluene		0.03 U	0.03 U	ND	ND	0/18
2-Nitrotoluene		0.5 U	0.5 U	ND	ND	0/18
3-Nitrotoluene		0.5 U	0.5 U	ND	ND	0/18
4-Amino-2,6-dinitrotoluene		0.02 U	0.02 U	ND	ND	0/18
4-Nitrotoluene		0.5 U	0.5 U	ND	ND	0/18
HMX		1.25 U	1.25 U	ND	ND	0/18
Nitrobenzene		0.5 U	0.5 U	ND	ND	0/18
RDX		0.5 U	0.5 U	ND	ND	0/18
Tetryl		0.5 UJ	0.5 UJ	0.5 R	0.5 R	41-GW13-01 1/18
	<u>MIREX</u>					
Mirex		56.8 U	100 U	ND	ND	0/18

APPENDIX O.5.1
ROUND 2 SITE 41 GROUNDWATER ORGANICS

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 GROUNDWATER
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-GW01-02	41-GW02-02	41-GW02-03	41-GW03-02	41-GW04-02	41-GW04DW-02
Laboratory Sample ID:	9405010-05	9405010-03	AB7984	9404226-01	9405006-03	9405006-01
Date Sampled:	04/28/94	04/27/94	08/26/94	04/27/94		

UNITS

SEMIVOLATILES

Compound	UG/L	41-GW01-02	41-GW02-02	41-GW02-03	41-GW03-02	41-GW04-02	41-GW04DW-02
1,2-Dichlorobenzene	UG/L	12.4 U	11.5 U	NA	10.5 U	12.4 U	12.5 U
1,2,4-Trichlorobenzene	UG/L	12.4 U	11.5 U	NA	10.5 U	12.4 U	12.5 U
1,3-Dichlorobenzene	UG/L	12.4 U	11.5 U	NA	10.5 U	12.4 U	12.5 U
1,4-Dichlorobenzene	UG/L	12.4 U	11.5 U	NA	10.5 U	12.4 U	12.5 U
2-Chloronaphthalene	UG/L	12.4 U	11.5 U	NA	10.5 U	12.4 U	12.5 U
2-Chlorophenol	UG/L	12.4 U	11.5 U	NA	10.5 U	12.4 U	12.5 U
2-Methylnaphthalene	UG/L	12.4 U	11.5 U	NA	10.5 U	12.4 U	12.5 U
2-Methylphenol	UG/L	12.4 U	11.5 U	NA	10.5 U	12.4 U	12.5 U
2-Nitroaniline	UG/L	30.9 U	28.7 U	NA	26.3 U	30.9 U	31.2 U
2-Nitrophenol	UG/L	12.4 U	11.5 U	NA	10.5 U	12.4 U	12.5 U
2,2'-oxybis-(1-chloropropane)	UG/L	12.4 U	11.5 U	NA	10.5 U	12.4 U	12.5 U
2,4-Dichlorophenol	UG/L	12.4 U	11.5 U	NA	10.5 U	12.4 U	12.5 U
2,4-Dimethylphenol	UG/L	12.4 U	11.5 U	NA	10.5 U	12.4 U	12.5 U
2,4-Dinitrophenol	UG/L	30.9 U	28.7 U	NA	26.3 U	30.9 U	31.2 U
2,4-Dinitrotoluene	UG/L	12.4 U	11.5 U	NA	10.5 U	12.4 U	12.5 U
2,4,5-Trichlorophenol	UG/L	30.9 U	28.7 U	NA	26.3 U	30.9 U	31.2 U
2,4,6-Trichlorophenol	UG/L	12.4 U	11.5 U	NA	10.5 U	12.4 U	12.5 U
2,6-Dinitrotoluene	UG/L	12.4 U	11.5 U	NA	10.5 U	12.4 U	12.5 U
3-Nitroaniline	UG/L	30.9 U	28.7 U	NA	26.3 U	30.9 U	31.2 U
3,3'-Dichlorobenzidine	UG/L	12.4 U	11.5 U	NA	10.5 U	12.4 U	12.5 U
4-Bromophenyl-phenylether	UG/L	12.4 U	11.5 U	NA	10.5 U	12.4 U	12.5 U
4-Chloro-3-methylphenol	UG/L	12.4 U	11.5 U	NA	10.5 U	12.4 U	12.5 U
4-Chloroaniline	UG/L	12.4 U	11.5 U	NA	10.5 U	12.4 U	12.5 U
4-Chlorophenyl phenyl ether	UG/L	12.4 U	11.5 U	NA	10.5 U	12.4 U	12.5 U
4-Methylphenol	UG/L	12.4 U	11.5 U	NA	10.5 U	12.4 U	12.5 U
4-Nitroaniline	UG/L	30.9 U	28.7 U	NA	26.3 U	30.9 U	31.2 U
4-Nitrophenol	UG/L	30.9 U	28.7 U	NA	26.3 U	30.9 U	31.2 U
4,6-Dinitro-2-methylphenol	UG/L	30.9 U	28.7 U	NA	26.3 U	30.9 U	31.2 U
Acenaphthene	UG/L	12.4 U	11.5 U	NA	10.5 U	12.4 U	12.5 U
Acenaphthylene	UG/L	12.4 U	11.5 U	NA	10.5 U	12.4 U	12.5 U
Anthracene	UG/L	12.4 U	11.5 U	NA	10.5 U	12.4 U	12.5 U
Benzo[a]anthracene	UG/L	12.4 U	11.5 U	NA	10.5 U	12.4 U	12.5 U
Benzo[a]pyrene	UG/L	12.4 U	11.5 U	NA	10.5 U	12.4 U	12.5 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 GROUNDWATER
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-GW01-02	41-GW02-02	41-GW02-03	41-GW03-02	41-GW04-02	41-GW04DW-02
Laboratory Sample ID:	9405010-05	9405010-03	AB7984	9404226-01	9405006-03	9405006-01
Date Sampled:	04/28/94	04/27/94	08/26/94	04/27/94		

UNITS

SEMIVOLATILES Cont.

Benzo[b]fluoranthene	UG/L	12.4 U	11.5 U	NA	10.5 U	12.4 U	12.5 U
Benzo[g,h,i]perylene	UG/L	12.4 U	11.5 U	NA	10.5 U	12.4 U	12.5 U
Benzo[k]fluoranthene	UG/L	12.4 U	11.5 U	NA	10.5 U	12.4 U	12.5 U
bis(2-Chloroethoxy) methane	UG/L	12.4 U	11.5 U	NA	10.5 U	12.4 U	12.5 U
bis(2-Chloroethyl) ether	UG/L	12.4 U	11.5 U	NA	10.5 U	12.4 U	12.5 U
bis(2-Ethylhexyl)phthalate	UG/L	12.4 U	11.5 U	NA	10.5 U	12.4 U	12.5 U
Butyl benzyl phthalate	UG/L	12.4 U	11.5 U	NA	10.5 U	12.4 U	12.5 U
Carbazole	UG/L	12.4 U	11.5 U	NA	10.5 U	12.4 U	12.5 U
Chrysene	UG/L	12.4 U	11.5 U	NA	10.5 U	12.4 U	12.5 U
Dibenzofuran	UG/L	12.4 U	11.5 U	NA	10.5 U	12.4 U	12.5 U
Dibenz[a,h]anthracene	UG/L	12.4 U	11.5 U	NA	10.5 U	12.4 U	12.5 U
Diethylphthalate	UG/L	12.4 U	11.5 U	NA	10.5 U	12.4 U	12.5 U
Dimethyl phthalate	UG/L	12.4 U	11.5 U	NA	10.5 U	12.4 U	12.5 U
di-n-Butylphthalate	UG/L	12.00 U	11.5 U	NA	10.5 U	12.4 U	12.5 U
di-n-Octylphthalate	UG/L	12.4 U	11.5 U	NA	10.5 U	12.4 U	12.5 U
Fluoranthene	UG/L	12.4 U	11.5 U	NA	10.5 U	12.4 U	12.5 U
Fluorene	UG/L	12.4 U	11.5 U	NA	10.5 U	12.4 U	12.5 U
Hexachlorobenzene	UG/L	12.4 U	11.5 U	NA	10.5 U	12.4 U	12.5 U
Hexachlorobutadiene	UG/L	12.4 U	11.5 U	NA	10.5 U	12.4 U	12.5 U
Hexachlorocyclopentadiene	UG/L	12.4 U	11.5 U	NA	10.5 U	12.4 U	12.5 U
Hexachloroethane	UG/L	12.4 U	11.5 U	NA	10.5 U	12.4 U	12.5 U
Indeno[1,2,3-cd]pyrene	UG/L	12.4 U	11.5 U	NA	10.5 U	12.4 U	12.5 U
Isophorone	UG/L	12.4 U	11.5 U	NA	10.5 U	12.4 U	12.5 U
Mirex	UG/L	62.0 U	57.0 U	NA	53.0 U	62 U	62 U
Naphthalene	UG/L	12.4 U	11.5 U	NA	10.5 U	12.4 U	12.5 U
Nitrobenzene	UG/L	12.4 U	11.5 U	NA	10.5 U	12.4 U	12.5 U
N-Nitroso-di-n-propylamine	UG/L	12.4 U	11.5 U	NA	10.5 U	12.4 U	12.5 U
N-nitrosodiphenylamine	UG/L	12.4 U	11.5 U	NA	10.5 U	12.4 U	12.5 U
Pentachlorophenol	UG/L	30.9 U	28.7 U	NA	26.3 U	30.9 U	31.2 U
Phenanthrene	UG/L	12.4 U	11.5 U	NA	10.5 U	12.4 U	12.5 U
Phenol	UG/L	12.4 U	11.5 U	NA	10.5 U	12.4 U	12.5 U
Pyrene	UG/L	12.4 U	11.5 U	NA	10.5 U	12.4 U	12.5 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 GROUNDWATER
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-GW01-02	41-GW02-02	41-GW02-03	41-GW03-02	41-GW04-02	41-GW04DW-02
Laboratory Sample ID:	9405010-05	9405010-03	AB7984	9404226-01	9405006-03	9405006-01
Date Sampled:	04/28/94	04/27/94	08/26/94	04/27/94		

UNITS

VOLATILES

Compound	UG/L	10.0 U	10.0 U	NA	10.0 U	10.0 U	10.0 U
Chloromethane	UG/L	10.0 U	10.0 U	NA	10.0 U	10.0 U	10.0 U
Bromomethane	UG/L	10.0 U	10.0 U	NA	10.0 U	10.0 U	10.0 U
Vinyl chloride	UG/L	10.0 U	10.0 U	NA	10.0 U	10.0 U	10.0 U
Chloroethane	UG/L	10.0 U	10.0 U	NA	10.0 U	10.0 U	10.0 U
Methylene chloride	UG/L	10.00 U	10.0 U	NA	10.00 U	10.0 U	10.0 U
Acetone	UG/L	10.0 U	10.0 U	NA	10.0 U	4.00 J	10.0 U
Carbon Disulfide	UG/L	10.0 U	10.0 U	NA	10.0 U	10.0 U	10.0 U
1,1-Dichloroethene	UG/L	10.0 U	10.0 U	NA	10.0 U	10.0 U	10.0 U
1,1-Dichloroethane	UG/L	10.0 U	10.0 U	NA	10.0 U	10.0 U	10.0 U
1,2-Dichloroethene(total)	UG/L	10.0 U	10.0 U	NA	10.0 U	10.0 U	10.0 U
Chloroform	UG/L	10.0 U	10.0 U	NA	10.0 U	10.0 U	10.0 U
1,2-Dichloroethane	UG/L	10.0 U	10.0 U	NA	10.0 U	10.0 U	10.0 U
2-Butanone	UG/L	10.0 U	10.0 U	NA	10.0 U	10.0 U	10.0 U
1,1,1-Trichloroethane	UG/L	10.0 U	10.0 U	NA	10.0 U	10.0 U	10.0 U
Carbon tetrachloride	UG/L	10.0 U	10.0 U	NA	10.0 U	10.0 U	10.0 U
Bromodichloromethane	UG/L	10.0 U	10.0 U	NA	10.0 U	10.0 U	10.0 U
1,2-Dichloropropane	UG/L	10.0 U	10.0 U	NA	10.0 U	10.0 U	10.0 U
cis-1,3-Dichloropropene	UG/L	10.0 U	10.0 U	NA	10.0 U	10.0 U	10.0 U
Trichloroethene	UG/L	10.0 U	10.0 U	NA	10.0 U	10.0 U	10.0 U
Dibromochloromethane	UG/L	10.0 U	10.0 U	NA	10.0 U	10.0 U	10.0 U
1,1,2-Trichloroethane	UG/L	10.0 U	10.0 U	NA	10.0 U	10.0 U	10.0 U
Benzene	UG/L	10.0 U	10.0 U	NA	10.0 U	10.0 U	10.0 U
trans-1,3-Dichloropropene	UG/L	10.0 U	10.0 U	NA	10.0 U	10.0 U	10.0 U
Bromoform	UG/L	10.0 U	10.0 U	NA	10.0 U	10.0 U	10.0 U
4-Methyl-2-pentanone	UG/L	10.0 U	10.0 U	NA	10.0 U	10.0 U	10.0 U
2-Hexanone	UG/L	10.0 U	10.0 U	NA	10.0 U	10.0 U	10.0 U
Tetrachloroethene	UG/L	10.0 U	10.0 U	NA	10.0 U	10.0 U	10.0 U
1,1,2,2-Tetrachloroethane	UG/L	10.0 U	10.0 U	NA	10.0 U	10.0 U	10.0 U
Toluene	UG/L	10.0 U	10.0 U	NA	10.0 U	10.0 U	10.0 U
Chlorobenzene	UG/L	10.0 U	10.0 U	NA	10.0 U	10.0 U	10.0 U
Ethylbenzene	UG/L	10.0 U	10.0 U	NA	10.0 U	10.0 U	10.0 U
Styrene	UG/L	10.0 U	10.0 U	NA	10.0 U	10.0 U	10.0 U
Xylenes (total)	UG/L	10.0 U	10.0 U	NA	10.0 U	10.0 U	10.0 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 GROUNDWATER
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-GW01-02	41-GW02-02	41-GW02-03	41-GW03-02	41-GW04-02	41-GW04DW-02
Laboratory Sample ID:	9405010-05	9405010-03	AB7984	9404226-01	9405006-03	9405006-01
Date Sampled:	04/28/94	04/27/94	08/26/94	04/27/94		

	UNITS						
PESTICIDE/PCBS							
alpha-BHC	UG/L	0.062 UJ	NA	0.05 U	0.052 UJ	0.062 UJ	0.068 UJ
beta-BHC	UG/L	0.062 UJ	NA	0.05 U	0.052 UJ	0.062 UJ	0.068 UJ
delta-BHC	UG/L	0.062 UJ	NA	0.05 U	0.052 UJ	0.062 UJ	0.068 UJ
Lindane (gamma-BHC)	UG/L	0.062 UJ	NA	0.05 U	0.052 UJ	0.062 UJ	0.068 UJ
Heptachlor	UG/L	0.062 UJ	NA	0.05 U	0.052 UJ	0.062 UJ	0.068 UJ
Aldrin	UG/L	0.062 UJ	NA	0.05 U	0.052 UJ	0.062 UJ	0.068 UJ
Heptachlor epoxide	UG/L	0.062 UJ	NA	0.05 U	0.052 UJ	0.062 UJ	0.068 UJ
Endosulfan I	UG/L	0.062 UJ	NA	0.05 U	0.052 UJ	0.062 UJ	0.068 UJ
Dieldrin	UG/L	0.123 UJ	NA	0.1 U	0.105 UJ	0.123 UJ	0.135 UJ
4,4'-DDE	UG/L	0.123 UJ	NA	0.1 U	0.105 UJ	0.123 UJ	0.135 UJ
Endrin	UG/L	0.123 UJ	NA	0.1 U	0.105 UJ	0.123 UJ	0.135 UJ
Endosulfan II	UG/L	0.123 UJ	NA	0.1 U	0.105 UJ	0.123 UJ	0.135 UJ
4,4'-DDD	UG/L	0.123 UJ	NA	0.1 U	0.105 UJ	0.123 UJ	0.135 UJ
Endosulfan sulfate	UG/L	0.123 UJ	NA	0.1 U	0.105 UJ	0.123 UJ	0.135 UJ
4,4'-DDT	UG/L	0.123 UJ	NA	0.1 U	0.105 UJ	0.123 UJ	0.135 UJ
Methoxychlor	UG/L	0.617 UJ	NA	0.5 U	0.525 UJ	0.615 UJ	0.675 UJ
Endrin ketone	UG/L	0.123 UJ	NA	0.1 U	0.105 UJ	0.123 UJ	0.135 UJ
Endrin aldehyde	UG/L	0.123 UJ	NA	0.1 U	0.105 UJ	0.123 UJ	0.135 UJ
alpha-Chlordane	UG/L	0.062 UJ	NA	0.05 U	0.052 UJ	0.062 UJ	0.068 UJ
gamma-Chlordane	UG/L	0.062 UJ	NA	0.05 U	0.052 UJ	0.062 UJ	0.068 UJ
Toxaphene	UG/L	6.17 UJ	NA	5 U	5.25 UJ	6.15 UJ	6.75 UJ
Aroclor 1016	UG/L	1.23 UJ	NA	1 U	1.05 UJ	1.23 UJ	1.35 UJ
Aroclor 1221	UG/L	2.47 UJ	NA	2 U	2.10 UJ	2.46 UJ	2.7 UJ
Aroclor 1232	UG/L	1.23 UJ	NA	1 U	1.05 UJ	1.23 UJ	1.35 UJ
Aroclor 1242	UG/L	1.23 UJ	NA	1 U	1.05 UJ	1.23 UJ	1.35 UJ
Aroclor 1248	UG/L	1.23 UJ	NA	1 U	1.05 UJ	1.23 UJ	1.35 UJ
Aroclor 1254	UG/L	1.23 UJ	NA	1 U	1.05 UJ	1.23 UJ	1.35 UJ
Aroclor 1260	UG/L	1.23 UJ	NA	1 U	1.05 UJ	1.23 UJ	1.35 UJ

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 GROUNDWATER
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-GW05-02	41-GW06DW-02	41-GW07-02	41-GW07-03	41-GW07DW-02	41-GW08-02
Laboratory Sample ID:	9404226-07	9404226-05	9405016-01	AB8053	9405016-02	9405006-05
Date Sampled:	04/27/94	04/27/94		08/26/94		

UNITS

SEMIVOLATILES

Compound	UG/L	41-GW05-02	41-GW06DW-02	41-GW07-02	41-GW07-03	41-GW07DW-02	41-GW08-02
1,2-Dichlorobenzene	UG/L	11.0 U	10.5 U	13 U	NA	12.7 U	16.1 U
1,2,4-Trichlorobenzene	UG/L	11.0 U	10.5 U	13 U	NA	12.7 U	16.1 U
1,3-Dichlorobenzene	UG/L	11.0 U	10.5 U	13 U	NA	12.7 U	16.1 U
1,4-Dichlorobenzene	UG/L	11.0 U	10.5 U	13 U	NA	12.7 U	16.1 U
2-Chloronaphthalene	UG/L	11.0 U	10.5 U	13 U	NA	12.7 U	16.1 U
2-Chlorophenol	UG/L	11.0 U	10.5 U	13 U	NA	12.7 U	16.1 U
2-Methylnaphthalene	UG/L	11.0 U	10.5 U	13 U	NA	12.7 U	16.1 U
2-Methylphenol	UG/L	11.0 U	10.5 U	13 U	NA	12.7 U	16.1 U
2-Nitroaniline	UG/L	27.5 U	26.3 U	32.5 U	NA	31.6 U	40.3 U
2-Nitrophenol	UG/L	11.0 U	10.5 U	13 U	NA	12.7 U	16.1 U
2,2'-oxybis-(1-chloropropane)	UG/L	11.0 U	10.5 U	13 U	NA	12.7 U	16.1 U
2,4-Dichlorophenol	UG/L	11.0 U	10.5 U	13 U	NA	12.7 U	16.1 U
2,4-Dimethylphenol	UG/L	11.0 U	10.5 U	13 U	NA	12.7 U	16.1 U
2,4-Dinitrophenol	UG/L	27.5 U	26.3 U	32.5 U	NA	31.6 U	40.3 U
2,4-Dinitrotoluene	UG/L	11.0 U	10.5 U	13 U	NA	12.7 U	16.1 U
2,4,5-Trichlorophenol	UG/L	27.5 U	26.3 U	32.5 U	NA	31.6 U	40.3 U
2,4,6-Trichlorophenol	UG/L	11.0 U	10.5 U	13 U	NA	12.7 U	16.1 U
2,6-Dinitrotoluene	UG/L	11.0 U	10.5 U	13 U	NA	12.7 U	16.1 U
3-Nitroaniline	UG/L	27.5 U	26.3 U	32.5 U	NA	31.6 U	40.3 U
3,3'-Dichlorobenzidine	UG/L	11.0 U	10.5 U	13 U	NA	12.7 U	16.1 U
4-Bromophenyl-phenylether	UG/L	11.0 U	10.5 U	13 U	NA	12.7 U	16.1 U
4-Chloro-3-methylphenol	UG/L	11.0 U	10.5 U	13 U	NA	12.7 U	16.1 U
4-Chloroaniline	UG/L	11.0 U	10.5 U	13 U	NA	12.7 U	16.1 U
4-Chlorophenyl phenyl ether	UG/L	11.0 U	10.5 U	13 U	NA	12.7 U	16.1 U
4-Methylphenol	UG/L	11.0 U	10.5 U	13 U	NA	12.7 U	16.1 U
4-Nitroaniline	UG/L	27.5 U	26.3 U	32.5 U	NA	31.6 U	40.3 U
4-Nitrophenol	UG/L	27.5 U	26.3 U	32.5 U	NA	31.6 U	40.3 U
4,6-Dinitro-2-methylphenol	UG/L	27.5 U	26.3 U	32.5 U	NA	31.6 U	40.3 U
Acenaphthene	UG/L	11.0 U	10.5 U	13 U	NA	12.7 U	16.1 U
Acenaphthylene	UG/L	11.0 U	10.5 U	13 U	NA	12.7 U	16.1 U
Anthracene	UG/L	11.0 U	10.5 U	13 U	NA	12.7 U	16.1 U
Benzo[a]anthracene	UG/L	11.0 U	10.5 U	13 U	NA	12.7 U	16.1 U
Benzo[a]pyrene	UG/L	11.0 U	10.5 U	13 U	NA	12.7 U	16.1 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 GROUNDWATER
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-GW05-02	41-GW06DW-02	41-GW07-02	41-GW07-03	41-GW07DW-02	41-GW08-02
Laboratory Sample ID:	9404226-07	9404226-05	9405016-01	AB8053	9405016-02	9405006-05
Date Sampled:	04/27/94	04/27/94		08/26/94		

UNITS

SEMIVOLATILES Cont.

	41-GW05-02	41-GW06DW-02	41-GW07-02	41-GW07-03	41-GW07DW-02	41-GW08-02	
Benzo[b]fluoranthene	UG/L	11.0 U	10.5 U	13 U	NA	12.7 U	16.1 U
Benzo[g,h,i]perylene	UG/L	11.0 U	10.5 U	13 U	NA	12.7 U	16.1 U
Benzo[k]fluoranthene	UG/L	11.0 U	10.5 U	13 U	NA	12.7 U	16.1 U
bis(2-Chloroethoxy) methane	UG/L	11.0 U	10.5 U	13 U	NA	12.7 U	16.1 U
bis(2-Chloroethyl) ether	UG/L	11.0 U	10.5 U	13 U	NA	12.7 U	16.1 U
bis(2-Ethylhexyl)phthalate	UG/L	11.0 U	10.5 U	13 U	NA	12.7 U	16.1 U
Butyl benzyl phthalate	UG/L	11.0 U	10.5 U	13 U	NA	12.7 U	16.1 U
Carbazole	UG/L	11.0 U	10.5 U	13 U	NA	12.7 U	16.1 U
Chrysene	UG/L	11.0 U	10.5 U	13 U	NA	12.7 U	16.1 U
Dibenzofuran	UG/L	11.0 U	10.5 U	13 U	NA	12.7 U	16.1 U
Dibenz[a,h]anthracene	UG/L	11.0 U	10.5 U	13 U	NA	12.7 U	16.1 U
Diethylphthalate	UG/L	11.0 U	10.5 U	13 U	NA	12.7 U	16.1 U
Dimethyl phthalate	UG/L	11.0 U	10.5 U	13 U	NA	12.7 U	16.1 U
di-n-Butylphthalate	UG/L	10.5 U	10.5 U	13 U	NA	12.7 U	16.1 U
di-n-Octylphthalate	UG/L	11.0 U	10.5 U	13 U	NA	12.7 U	16.1 U
Fluoranthene	UG/L	11.0 U	10.5 U	13 U	NA	12.7 U	16.1 U
Fluorene	UG/L	11.0 U	10.5 U	13 U	NA	12.7 U	16.1 U
Hexachlorobenzene	UG/L	11.0 U	10.5 U	13 U	NA	12.7 U	16.1 U
Hexachlorobutadiene	UG/L	11.0 U	10.5 U	13 U	NA	12.7 U	16.1 U
Hexachlorocyclopentadiene	UG/L	11.0 U	10.5 U	13 U	NA	12.7 U	16.1 U
Hexachloroethane	UG/L	11.0 U	10.5 U	13 U	NA	12.7 U	16.1 U
Indeno[1,2,3-cd]pyrene	UG/L	11.0 U	10.5 U	13 U	NA	12.7 U	16.1 U
Isophorone	UG/L	11.0 U	10.5 U	13 U	NA	12.7 U	16.1 U
Mirex	UG/L	55.0 U	53.0 U	65 U	NA	63 U	81 U
Naphthalene	UG/L	11.0 U	10.5 U	13 U	NA	12.7 U	16.1 U
Nitrobenzene	UG/L	11.0 U	10.5 U	13 U	NA	12.7 U	16.1 U
N-Nitroso-di-n-propylamine	UG/L	11.0 U	10.5 U	13 U	NA	12.7 U	16.1 U
N-nitrosodiphenylamine	UG/L	11.0 U	10.5 U	13 U	NA	12.7 U	16.1 U
Pentachlorophenol	UG/L	27.5 U	26.3 U	32.5 R	NA	31.6 R	40.3 U
Phenanthrene	UG/L	11.0 U	10.5 U	13 U	NA	12.7 U	16.1 U
Phenol	UG/L	11.0 U	10.5 U	13 U	NA	12.7 U	16.1 U
Pyrene	UG/L	11.0 U	10.5 U	13 U	NA	12.7 U	16.1 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 GROUNDWATER
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-GW05-02	41-GW06DW-02	41-GW07-02	41-GW07-03	41-GW07DW-02	41-GW08-02
Laboratory Sample ID:	9404226-07	9404226-05	9405016-01	AB8053	9405016-02	9405006-05
Date Sampled:	04/27/94	04/27/94		08/26/94		

UNITS

VOLATILES

	41-GW05-02	41-GW06DW-02	41-GW07-02	41-GW07-03	41-GW07DW-02	41-GW08-02
Chloromethane	UG/L	10.0 U	10.0 U	10.0 U	NA	10.0 U
Bromomethane	UG/L	10.0 U	10.0 U	10.0 U	NA	10.0 U
Vinyl chloride	UG/L	10.0 U	10.0 U	10.0 U	NA	10.0 U
Chloroethane	UG/L	10.0 U	10.0 U	10.0 U	NA	10.0 U
Methylene chloride	UG/L	10.0 U	10.0 U	10.00 U	NA	10.00 U
Acetone	UG/L	10.0 U	10.0 U	5.00 J	NA	10.0 UJ
Carbon Disulfide	UG/L	10.0 U	10.0 U	10.0 U	NA	10.0 U
1,1-Dichloroethene	UG/L	10.0 U	10.0 U	10.0 U	NA	10.0 U
1,1-Dichloroethane	UG/L	10.0 U	10.0 U	10.0 U	NA	10.0 U
1,2-Dichloroethene(total)	UG/L	10.0 U	10.0 U	10.0 U	NA	10.0 U
Chloroform	UG/L	10.0 U	10.0 U	10.0 U	NA	10.0 U
1,2-Dichloroethane	UG/L	10.0 U	10.0 U	10.0 U	NA	10.0 U
2-Butanone	UG/L	10.0 U	10.0 U	10.0 U	NA	10.0 U
1,1,1-Trichloroethane	UG/L	10.0 U	10.0 U	10.0 U	NA	10.0 U
Carbon tetrachloride	UG/L	10.0 U	10.0 U	10.0 U	NA	10.0 U
Bromodichloromethane	UG/L	10.0 U	10.0 U	10.0 U	NA	10.0 U
1,2-Dichloropropane	UG/L	10.0 U	10.0 U	10.0 U	NA	10.0 U
cis-1,3-Dichloropropene	UG/L	10.0 U	10.0 U	10.0 U	NA	10.0 U
Trichloroethene	UG/L	10.0 U	10.0 U	10.0 U	NA	10.0 U
Dibromochloromethane	UG/L	10.0 U	10.0 U	10.0 U	NA	10.0 U
1,1,2-Trichloroethane	UG/L	10.0 U	10.0 U	10.0 U	NA	10.0 U
Benzene	UG/L	10.0 U	10.0 U	10.0 U	NA	10.0 U
trans-1,3-Dichloropropene	UG/L	10.0 U	10.0 U	10.0 U	NA	10.0 U
Bromoform	UG/L	10.0 U	10.0 U	10.0 U	NA	10.0 U
4-Methyl-2-pentanone	UG/L	10.0 U	10.0 U	10.0 U	NA	10.0 U
2-Hexanone	UG/L	10.0 U	10.0 U	10.0 U	NA	10.0 U
Tetrachloroethene	UG/L	10.0 U	10.0 U	10.0 U	NA	10.0 U
1,1,2,2-Tetrachloroethane	UG/L	10.0 U	10.0 U	10.0 U	NA	10.0 U
Toluene	UG/L	10.0 U	10.0 U	10.0 U	NA	10.0 U
Chlorobenzene	UG/L	10.0 U	10.0 U	10.0 U	NA	10.0 U
Ethylbenzene	UG/L	10.0 U	10.0 U	10.0 U	NA	10.0 U
Styrene	UG/L	10.0 U	10.0 U	10.0 U	NA	10.0 U
Xylenes (total)	UG/L	10.0 U	10.0 U	10.0 U	NA	10.0 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 GROUNDWATER
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-GW05-02	41-GW06DW-02	41-GW07-02	41-GW07-03	41-GW07DW-02	41-GW08-02	
Laboratory Sample ID:	9404226-07	9404226-05	9405016-01	AB8053	9405016-02	9405006-05	
Date Sampled:	04/27/94	04/27/94		08/26/94			
	UNITS						
PESTICIDE/PCBS							
alpha-BHC	UG/L	0.056 UJ	0.054 UJ	NA	0.05 U	0.066 UJ	0.1 UJ
beta-BHC	UG/L	0.056 UJ	0.054 UJ	NA	0.05 U	0.066 UJ	0.1 UJ
delta-BHC	UG/L	0.056 UJ	0.054 UJ	NA	0.05 U	0.066 UJ	0.1 UJ
Lindane (gamma-BHC)	UG/L	0.056 UJ	0.054 UJ	NA	0.05 U	0.066 UJ	0.1 UJ
Heptachlor	UG/L	0.056 UJ	0.054 UJ	NA	0.05 U	0.066 UJ	0.1 UJ
Aldrin	UG/L	0.056 UJ	0.054 UJ	NA	0.05 U	0.066 UJ	0.1 UJ
Heptachlor epoxide	UG/L	0.056 UJ	0.054 UJ	NA	0.05 U	0.066 UJ	0.1 UJ
Endosulfan I	UG/L	0.056 UJ	0.054 UJ	NA	0.05 U	0.066 UJ	0.1 UJ
Dieldrin	UG/L	0.113 UJ	0.109 UJ	NA	0.1 U	0.133 UJ	0.2 UJ
4,4'-DDE	UG/L	0.113 UJ	0.109 UJ	NA	0.1 U	0.133 UJ	0.2 UJ
Endrin	UG/L	0.113 UJ	0.109 UJ	NA	0.1 U	0.133 UJ	0.2 UJ
Endosulfan II	UG/L	0.113 UJ	0.109 UJ	NA	0.1 U	0.133 UJ	0.2 UJ
4,4'-DDD	UG/L	0.113 UJ	0.109 UJ	NA	0.1 U	0.133 UJ	0.2 UJ
Endosulfan sulfate	UG/L	0.113 UJ	0.109 UJ	NA	0.1 U	0.133 UJ	0.2 UJ
4,4'-DDT	UG/L	0.113 UJ	0.109 UJ	NA	0.1 U	0.133 UJ	0.2 UJ
Methoxychlor	UG/L	0.565 UJ	0.545 UJ	NA	0.5 U	0.665 UJ	1 UJ
Endrin ketone	UG/L	0.113 UJ	0.109 UJ	NA	0.1 U	0.133 UJ	0.2 UJ
Endrin aldehyde	UG/L	0.113 UJ	0.109 UJ	NA	0.1 U	0.133 UJ	0.2 UJ
alpha-Chlordane	UG/L	0.056 UJ	0.054 UJ	NA	0.05 U	0.066 UJ	0.1 UJ
gamma-Chlordane	UG/L	0.056 UJ	0.054 UJ	NA	0.05 U	0.066 UJ	0.1 UJ
Toxaphene	UG/L	5.65 UJ	5.45 UJ	NA	5 U	6.65 UJ	10 UJ
Aroclor 1016	UG/L	1.13 UJ	1.09 UJ	NA	1 U	1.33 UJ	2 UJ
Aroclor 1221	UG/L	2.26 UJ	2.18 UJ	NA	2 U	2.66 UJ	4 UJ
Aroclor 1232	UG/L	1.13 UJ	1.09 UJ	NA	1 U	1.33 UJ	2 UJ
Aroclor 1242	UG/L	1.13 UJ	1.09 UJ	NA	1 U	1.33 UJ	2 UJ
Aroclor 1248	UG/L	1.13 UJ	1.09 UJ	NA	1 U	1.33 UJ	2 UJ
Aroclor 1254	UG/L	1.13 UJ	1.09 UJ	NA	1 U	1.33 UJ	2 UJ
Aroclor 1260	UG/L	1.13 UJ	1.09 UJ	NA	1 U	1.33 UJ	2 UJ

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 GROUNDWATER
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-GW09-02	41-GW09DW-02	41-GW10-02	41-GW10-03	41-GW11-02	41-GW11-03	
Laboratory Sample ID:	9405010-07	9405010-09	9405010-01	AB8047	9405016-03	AB8056	
Date Sampled:	04/28/94	04/28/94	04/27/94	08/26/94		08/26/94	
	UNITS						
<u>SEMIVOLATILES</u>							
1,2-Dichlorobenzene	UG/L	11.1 U	11.8 U	10.9 U	NA	13.5 UJ	NA
1,2,4-Trichlorobenzene	UG/L	11.1 U	11.8 U	10.9 U	NA	13.5 UJ	NA
1,3-Dichlorobenzene	UG/L	11.1 U	11.8 U	10.9 U	NA	13.5 UJ	NA
1,4-Dichlorobenzene	UG/L	11.1 U	11.8 U	10.9 U	NA	13.5 UJ	NA
2-Chloronaphthalene	UG/L	11.1 U	11.8 U	10.9 U	NA	13.5 UJ	NA
2-Chlorophenol	UG/L	11.1 U	11.8 U	10.9 U	NA	13.5 UJ	NA
2-Methylnaphthalene	UG/L	11.1 U	11.8 U	10.9 U	NA	13.5 UJ	NA
2-Methylphenol	UG/L	11.1 U	11.8 U	10.9 U	NA	13.5 UJ	NA
2-Nitroaniline	UG/L	27.8 U	29.4 U	27.2 U	NA	33.8 UJ	NA
2-Nitrophenol	UG/L	11.1 U	11.8 U	10.9 U	NA	13.5 UJ	NA
2,2'-oxybis-(1-chloropropane)	UG/L	11.1 UJ	11.8 U	10.9 U	NA	13.5 UJ	NA
2,4-Dichlorophenol	UG/L	11.1 U	11.8 U	10.9 U	NA	13.5 UJ	NA
2,4-Dimethylphenol	UG/L	11.1 U	11.8 U	10.9 U	NA	13.5 UJ	NA
2,4-Dinitrophenol	UG/L	27.8 U	29.4 U	27.2 U	NA	33.8 UJ	NA
2,4-Dinitrotoluene	UG/L	11.1 U	11.8 U	10.9 U	NA	13.5 UJ	NA
2,4,5-Trichlorophenol	UG/L	27.8 U	29.4 U	27.2 U	NA	33.8 UJ	NA
2,4,6-Trichlorophenol	UG/L	11.1 U	11.8 U	10.9 U	NA	13.5 UJ	NA
2,6-Dinitrotoluene	UG/L	11.1 U	11.8 U	10.9 U	NA	13.5 UJ	NA
3-Nitroaniline	UG/L	27.8 U	29.4 U	27.2 U	NA	33.8 UJ	NA
3,3'-Dichlorobenzidine	UG/L	11.1 U	11.8 U	10.9 U	NA	13.5 UJ	NA
4-Bromophenyl-phenylether	UG/L	11.1 U	11.8 U	10.9 U	NA	13.5 UJ	NA
4-Chloro-3-methylphenol	UG/L	11.1 U	11.8 U	10.9 U	NA	13.5 UJ	NA
4-Chloroaniline	UG/L	11.1 U	11.8 U	10.9 U	NA	13.5 UJ	NA
4-Chlorophenyl phenyl ether	UG/L	11.1 U	11.8 U	10.9 U	NA	13.5 UJ	NA
4-Methylphenol	UG/L	11.1 U	11.8 U	10.9 U	NA	13.5 UJ	NA
4-Nitroaniline	UG/L	27.8 U	29.4 U	27.2 U	NA	33.8 UJ	NA
4-Nitrophenol	UG/L	27.8 U	29.4 U	27.2 U	NA	33.8 UJ	NA
4,6-Dinitro-2-methylphenol	UG/L	27.8 U	29.4 U	27.2 U	NA	33.8 UJ	NA
Acenaphthene	UG/L	11.1 U	11.8 U	10.9 U	NA	13.5 UJ	NA
Acenaphthylene	UG/L	11.1 U	11.8 U	10.9 U	NA	13.5 UJ	NA
Anthracene	UG/L	11.1 U	11.8 U	10.9 U	NA	13.5 UJ	NA
Benzo[a]anthracene	UG/L	11.1 U	11.8 U	10.9 U	NA	13.5 UJ	NA
Benzo[a]pyrene	UG/L	11.1 U	11.8 U	10.9 U	NA	13.5 UJ	NA

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 GROUNDWATER
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-GW09-02	41-GW09DW-02	41-GW10-02	41-GW10-03	41-GW11-02	41-GW11-03
Laboratory Sample ID:	9405010-07	9405010-09	9405010-01	AB8047	9405016-03	AB8056
Date Sampled:	04/28/94	04/28/94	04/27/94	08/26/94		08/26/94

UNITS

SEMIVOLATILES Cont.

Compound	41-GW09-02	41-GW09DW-02	41-GW10-02	41-GW10-03	41-GW11-02	41-GW11-03
Benzo[b]fluoranthene	UG/L 11.1 U	11.8 U	10.9 U	NA	13.5 UJ	NA
Benzo[g,h,i]perylene	UG/L 11.1 U	11.8 U	10.9 U	NA	13.5 UJ	NA
Benzo[k]fluoranthene	UG/L 11.1 U	11.8 U	10.9 U	NA	13.5 UJ	NA
bis(2-Chloroethoxy) methane	UG/L 11.1 U	11.8 U	10.9 U	NA	13.5 UJ	NA
bis(2-Chloroethyl) ether	UG/L 11.1 U	11.8 U	10.9 U	NA	13.5 UJ	NA
bis(2-Ethylhexyl)phthalate	UG/L 11.1 U	11.8 U	10.9 U	NA	13.5 UJ	NA
Butyl benzyl phthalate	UG/L 11.1 U	11.8 U	10.9 U	NA	13.5 UJ	NA
Carbazole	UG/L 11.1 U	11.8 U	10.9 U	NA	13.5 UJ	NA
Chrysene	UG/L 11.1 U	11.8 U	10.9 U	NA	13.5 UJ	NA
Dibenzofuran	UG/L 11.1 U	11.8 U	10.9 U	NA	13.5 UJ	NA
Dibenz[a,h]anthracene	UG/L 11.1 U	11.8 U	10.9 U	NA	13.5 UJ	NA
Diethylphthalate	UG/L 11.1 U	11.8 U	10.9 U	NA	13.5 UJ	NA
Dimethyl phthalate	UG/L 11.1 U	11.8 U	10.9 U	NA	13.5 UJ	NA
di-n-Butylphthalate	UG/L 11.1 U	11.8 U	10.90 U	NA	14 UJ	NA
di-n-Octylphthalate	UG/L 11.1 UJ	11.8 U	10.9 U	NA	13.5 UJ	NA
Fluoranthene	UG/L 11.1 U	11.8 U	10.9 U	NA	13.5 UJ	NA
Fluorene	UG/L 11.1 U	11.8 U	10.9 U	NA	13.5 UJ	NA
Hexachlorobenzene	UG/L 11.1 U	11.8 U	10.9 U	NA	13.5 UJ	NA
Hexachlorobutadiene	UG/L 11.1 U	11.8 U	10.9 U	NA	13.5 UJ	NA
Hexachlorocyclopentadiene	UG/L 11.1 U	11.8 U	10.9 U	NA	13.5 UJ	NA
Hexachloroethane	UG/L 11.1 U	11.8 U	10.9 U	NA	13.5 UJ	NA
Indeno[1,2,3-cd]pyrene	UG/L 11.1 U	11.8 U	10.9 U	NA	13.5 UJ	NA
Isophorone	UG/L 11.1 U	11.8 U	10.9 U	NA	13.5 UJ	NA
Mirex	UG/L 56.0 U	59.0 U	54.0 U	NA	68 UJ	NA
Naphthalene	UG/L 11.1 U	11.8 U	10.9 U	NA	13.5 UJ	NA
Nitrobenzene	UG/L 11.1 U	11.8 U	10.9 U	NA	13.5 UJ	NA
N-Nitroso-di-n-propylamine	UG/L 11.1 U	11.8 U	10.9 U	NA	13.5 UJ	NA
N-nitrosodiphenylamine	UG/L 11.1 U	11.8 U	10.9 U	NA	13.5 UJ	NA
Pentachlorophenol	UG/L 27.8 U	29.4 U	27.2 U	NA	33.8 UJ	NA
Phenanthrene	UG/L 11.1 U	11.8 U	10.9 U	NA	13.5 UJ	NA
Phenol	UG/L 11.1 U	11.8 U	10.9 U	NA	13.5 UJ	NA
Pyrene	UG/L 11.1 U	11.8 U	10.9 U	NA	13.5 UJ	NA

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 GROUNDWATER
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-GW09-02	41-GW09DW-02	41-GW10-02	41-GW10-03	41-GW11-02	41-GW11-03	
Laboratory Sample ID:	9405010-07	9405010-09	9405010-01	AB8047	9405016-03	AB8056	
Date Sampled:	04/28/94	04/28/94	04/27/94	08/26/94		08/26/94	
	UNITS						
VOLATILES							
Chloromethane	UG/L	10.0 U	10.0 U	10.0 U	NA	10.0 U	NA
Bromomethane	UG/L	10.0 U	10.0 U	10.0 U	NA	10.0 U	NA
Vinyl chloride	UG/L	10.0 U	10.0 U	10.0 U	NA	10.0 U	NA
Chloroethane	UG/L	10.0 U	10.0 U	10.0 U	NA	10.0 U	NA
Methylene chloride	UG/L	10.00 U	10.00 U	10.00 U	NA	10.00 U	NA
Acetone	UG/L	10.0 U	10.0 U	10.0 U	NA	12.0 J	NA
Carbon Disulfide	UG/L	10.0 U	10.0 U	10.0 U	NA	10.0 U	NA
1,1-Dichloroethene	UG/L	10.0 U	10.0 U	10.0 U	NA	10.0 U	NA
1,1-Dichloroethane	UG/L	10.0 U	10.0 U	10.0 U	NA	10.0 U	NA
1,2-Dichloroethene(total)	UG/L	10.0 U	10.0 U	10.0 U	NA	10.0 U	NA
Chloroform	UG/L	10.0 U	10.0 U	10.0 U	NA	10.0 U	NA
1,2-Dichloroethane	UG/L	10.0 U	10.0 U	10.0 U	NA	10.0 U	NA
2-Butanone	UG/L	10.0 U	10.0 U	10.0 U	NA	10.0 U	NA
1,1,1-Trichloroethane	UG/L	10.0 U	10.0 U	10.0 U	NA	10.0 U	NA
Carbon tetrachloride	UG/L	10.0 U	10.0 U	10.0 U	NA	10.0 U	NA
Bromodichloromethane	UG/L	10.0 U	10.0 U	10.0 U	NA	10.0 U	NA
1,2-Dichloropropane	UG/L	10.0 U	10.0 U	10.0 U	NA	10.0 U	NA
cis-1,3-Dichloropropene	UG/L	10.0 U	10.0 U	10.0 U	NA	10.0 U	NA
Trichloroethene	UG/L	10.0 U	10.0 U	10.0 U	NA	10.0 U	NA
Dibromochloromethane	UG/L	10.0 U	10.0 U	10.0 U	NA	10.0 U	NA
1,1,2-Trichloroethane	UG/L	10.0 U	10.0 U	10.0 U	NA	10.0 U	NA
Benzene	UG/L	10.0 U	10.0 U	10.0 U	NA	2.00 J	NA
trans-1,3-Dichloropropene	UG/L	10.0 U	10.0 U	10.0 U	NA	10.0 U	NA
Bromoform	UG/L	10.0 U	10.0 U	10.0 U	NA	10.0 U	NA
4-Methyl-2-pentanone	UG/L	10.0 U	10.0 U	10.0 U	NA	10.0 U	NA
2-Hexanone	UG/L	10.0 U	10.0 U	10.0 U	NA	10.0 U	NA
Tetrachloroethene	UG/L	10.0 U	10.0 U	10.0 U	NA	10.0 U	NA
1,1,2,2-Tetrachloroethane	UG/L	10.0 U	10.0 U	10.0 U	NA	10.0 U	NA
Toluene	UG/L	10.0 U	10.0 U	10.0 U	NA	10.0 U	NA
Chlorobenzene	UG/L	10.0 U	10.0 U	10.0 U	NA	2.00 J	NA
Ethylbenzene	UG/L	10.0 U	10.0 U	10.0 U	NA	10.0 U	NA
Styrene	UG/L	10.0 U	10.0 U	10.0 U	NA	10.0 U	NA
Xylenes (total)	UG/L	10.0 U	10.0 U	10.0 U	NA	10.0 U	NA

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 GROUNDWATER
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-GW09-02	41-GW09DW-02	41-GW10-02	41-GW10-03	41-GW11-02	41-GW11-03
Laboratory Sample ID:	9405010-07	9405010-09	9405010-01	AB8047	9405016-03	AB8056
Date Sampled:	04/28/94	04/28/94	04/27/94	08/26/94		08/26/94

	UNITS					
PESTICIDE/PCBS						
alpha-BHC	UG/L	0.062 UJ	0.058 UJ	NA	0.05 U	0.05 U
beta-BHC	UG/L	0.062 UJ	0.058 UJ	NA	0.05 U	0.05 U
delta-BHC	UG/L	0.062 UJ	0.058 UJ	NA	0.05 U	0.05 U
Lindane (gamma-BHC)	UG/L	0.062 UJ	0.058 UJ	NA	0.05 U	0.05 U
Heptachlor	UG/L	0.062 UJ	0.058 UJ	NA	0.05 U	0.05 U
Aldrin	UG/L	0.062 UJ	0.058 UJ	NA	0.05 U	0.05 U
Heptachlor epoxide	UG/L	0.062 UJ	0.058 UJ	NA	0.05 U	0.05 U
Endosulfan I	UG/L	0.062 UJ	0.058 UJ	NA	0.05 U	0.05 U
Dieldrin	UG/L	0.123 UJ	0.116 UJ	NA	0.1 U	0.1 U
4,4'-DDE	UG/L	0.123 UJ	0.116 UJ	NA	0.1 U	0.1 U
Endrin	UG/L	0.123 UJ	0.116 UJ	NA	0.1 U	0.1 U
Endosulfan II	UG/L	0.123 UJ	0.116 UJ	NA	0.1 U	0.1 U
4,4'-DDD	UG/L	0.123 UJ	0.116 UJ	NA	0.1 U	0.1 U
Endosulfan sulfate	UG/L	0.123 UJ	0.116 UJ	NA	0.1 U	0.1 U
4,4'-DDT	UG/L	0.123 UJ	0.116 UJ	NA	0.1 U	0.1 U
Methoxychlor	UG/L	0.617 UJ	0.581 UJ	NA	0.5 U	0.5 U
Endrin ketone	UG/L	0.123 UJ	0.116 UJ	NA	0.1 U	0.1 U
Endrin aldehyde	UG/L	0.123 UJ	0.116 UJ	NA	0.1 U	0.1 U
alpha-Chlordane	UG/L	0.062 UJ	0.058 UJ	NA	0.05 U	0.05 U
gamma-Chlordane	UG/L	0.062 UJ	0.058 UJ	NA	0.05 U	0.05 U
Toxaphene	UG/L	6.17 UJ	5.81 UJ	NA	5 U	5 U
Aroclor 1016	UG/L	1.23 UJ	1.16 UJ	NA	1 U	1 U
Aroclor 1221	UG/L	2.47 UJ	2.32 UJ	NA	2 U	2 U
Aroclor 1232	UG/L	1.23 UJ	1.16 UJ	NA	1 U	1 U
Aroclor 1242	UG/L	1.23 UJ	1.16 UJ	NA	1 U	1 U
Aroclor 1248	UG/L	1.23 UJ	1.16 UJ	NA	1 U	1 U
Aroclor 1254	UG/L	1.23 UJ	1.16 UJ	NA	1 U	1 U
Aroclor 1260	UG/L	1.23 UJ	1.16 UJ	NA	1 U	1 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 GROUNDWATER
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-GW11DW-02	41-GW12-02	41-GW12DW-02	41-GW13-02
Laboratory Sample ID:	9405016-05	9405006-09	9405006-07	9404226-03
Date Sampled:				04/27/94

	UNITS				
SEMIVOLATILES					
1,2-Dichlorobenzene	UG/L	12.2 U	12.7 U	12.7 U	10.8 U
1,2,4-Trichlorobenzene	UG/L	12.2 U	12.7 U	12.7 U	10.8 U
1,3-Dichlorobenzene	UG/L	12.2 U	12.7 U	12.7 U	10.8 U
1,4-Dichlorobenzene	UG/L	12.2 U	12.7 U	12.7 U	10.8 U
2-Chloronaphthalene	UG/L	12.2 U	12.7 U	12.7 U	10.8 U
2-Chlorophenol	UG/L	12.2 U	12.7 U	12.7 U	10.8 U
2-Methylnaphthalene	UG/L	12.2 U	12.7 U	12.7 U	10.8 U
2-Methylphenol	UG/L	12.2 U	12.7 U	12.7 U	10.8 U
2-Nitroaniline	UG/L	30.5 U	31.6 U	31.6 U	26.9 U
2-Nitrophenol	UG/L	12.2 U	12.7 U	12.7 U	10.8 U
2,2'-oxybis-(1-chloropropane)	UG/L	12.2 U	12.7 U	12.7 U	10.8 U
2,4-Dichlorophenol	UG/L	12.2 U	12.7 U	12.7 U	10.8 U
2,4-Dimethylphenol	UG/L	12.2 U	12.7 U	12.7 U	10.8 U
2,4-Dinitrophenol	UG/L	30.5 U	31.6 U	31.6 U	26.9 U
2,4-Dinitrotoluene	UG/L	12.2 U	12.7 U	12.7 U	10.8 U
2,4,5-Trichlorophenol	UG/L	30.5 U	31.6 U	31.6 U	26.9 U
2,4,6-Trichlorophenol	UG/L	12.2 U	12.7 U	12.7 U	10.8 U
2,6-Dinitrotoluene	UG/L	12.2 U	12.7 U	12.7 U	10.8 U
3-Nitroaniline	UG/L	30.5 U	31.6 U	31.6 U	26.9 U
3,3'-Dichlorobenzidine	UG/L	12.2 U	12.7 U	12.7 U	10.8 U
4-Bromophenyl-phenylether	UG/L	12.2 U	12.7 U	12.7 U	10.8 U
4-Chloro-3-methylphenol	UG/L	12.2 U	12.7 U	12.7 U	10.8 U
4-Chloroaniline	UG/L	12.2 U	12.7 U	12.7 U	10.8 U
4-Chlorophenyl phenyl ether	UG/L	12.2 U	12.7 U	12.7 U	10.8 U
4-Methylphenol	UG/L	12.2 U	12.7 U	12.7 U	10.8 U
4-Nitroaniline	UG/L	30.5 U	31.6 U	31.6 U	26.9 U
4-Nitrophenol	UG/L	30.5 U	31.6 U	31.6 U	26.9 U
4,6-Dinitro-2-methylphenol	UG/L	30.5 U	31.6 U	31.6 U	26.9 U
Acenaphthene	UG/L	12.2 U	12.7 U	12.7 U	10.8 U
Acenaphthylene	UG/L	12.2 U	12.7 U	12.7 U	10.8 U
Anthracene	UG/L	12.2 U	12.7 U	12.7 U	10.8 U
Benzo[a]anthracene	UG/L	12.2 U	12.7 U	12.7 U	10.8 U
Benzo[a]pyrene	UG/L	12.2 U	12.7 U	12.7 U	10.8 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 GROUNDWATER
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-GW11DW-02	41-GW12-02	41-GW12DW-02	41-GW13-02
Laboratory Sample ID:	9405016-05	9405006-09	9405006-07	9404226-03
Date Sampled:				04/27/94

UNITS

SEMIVOLATILES Cont.

Benzo[b]fluoranthene	UG/L	12.2 U	12.7 U	12.7 U	10.8 U
Benzo[g,h,i]perylene	UG/L	12.2 U	12.7 U	12.7 U	10.8 U
Benzo[k]fluoranthene	UG/L	12.2 U	12.7 U	12.7 U	10.8 U
bis(2-Chloroethoxy) methane	UG/L	12.2 U	12.7 U	12.7 U	10.8 U
bis(2-Chloroethyl) ether	UG/L	12.2 U	12.7 U	12.7 U	10.8 U
bis(2-Ethylhexyl)phthalate	UG/L	12.2 U	12.7 U	12.7 U	10.8 U
Butyl benzyl phthalate	UG/L	12.2 U	12.7 U	12.7 U	10.8 U
Carbazole	UG/L	12.2 U	12.7 U	12.7 U	10.8 U
Chrysene	UG/L	12.2 U	12.7 U	12.7 U	10.8 U
Dibenzofuran	UG/L	12.2 U	12.7 U	12.7 U	10.8 U
Dibenz[a,h]anthracene	UG/L	12.2 U	12.7 U	12.7 U	10.8 U
Diethylphthalate	UG/L	12.2 U	12.7 U	12.7 U	10.8 U
Dimethyl phthalate	UG/L	12.2 U	12.7 U	12.7 U	10.8 U
di-n-Butylphthalate	UG/L	12.2 U	12.7 U	12.7 U	10.8 U
di-n-Octylphthalate	UG/L	12.2 U	12.7 U	12.7 U	10.8 U
Fluoranthene	UG/L	12.2 U	12.7 U	12.7 U	10.8 U
Fluorene	UG/L	12.2 U	12.7 U	12.7 U	10.8 U
Hexachlorobenzene	UG/L	12.2 U	12.7 U	12.7 U	10.8 U
Hexachlorobutadiene	UG/L	12.2 U	12.7 U	12.7 U	10.8 U
Hexachlorocyclopentadiene	UG/L	12.2 U	12.7 U	12.7 U	10.8 U
Hexachloroethane	UG/L	12.2 U	12.7 U	12.7 U	10.8 U
Indeno[1,2,3-cd]pyrene	UG/L	12.2 U	12.7 U	12.7 U	10.8 U
Isophorone	UG/L	12.2 U	12.7 U	12.7 U	10.8 U
Mirex	UG/L	61 U	63 U	63 U	54.0 U
Naphthalene	UG/L	12.2 U	12.7 U	12.7 U	10.8 U
Nitrobenzene	UG/L	12.2 U	12.7 U	12.7 U	10.8 U
N-Nitroso-di-n-propylamine	UG/L	12.2 U	12.7 U	12.7 U	10.8 U
N-nitrosodiphenylamine	UG/L	12.2 U	12.7 U	12.7 U	10.8 U
Pentachlorophenol	UG/L	30.5 R	31.6 U	31.6 U	26.9 U
Phenanthrene	UG/L	12.2 U	12.7 U	12.7 U	10.8 U
Phenol	UG/L	12.2 U	12.7 U	12.7 U	10.8 U
Pyrene	UG/L	12.2 U	12.7 U	12.7 U	10.8 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 GROUNDWATER
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-GW11DW-02	41-GW12-02	41-GW12DW-02	41-GW13-02
Laboratory Sample ID:	9405016-05	9405006-09	9405006-07	9404226-03
Date Sampled:				04/27/94

	UNITS				
<u>VOLATILES</u>					
Chloromethane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U
Bromomethane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U
Vinyl chloride	UG/L	10.0 U	10.0 U	10.0 U	10.0 U
Chloroethane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U
Methylene chloride	UG/L	10.00 U	10.0 U	10.0 U	10.0 U
Acetone	UG/L	10.0 U	10.0 U	10.0 U	10.0 U
Carbon Disulfide	UG/L	10.0 U	10.0 U	10.0 U	10.0 U
1,1-Dichloroethene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U
1,1-Dichloroethane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U
1,2-Dichloroethene(total)	UG/L	10.0 U	10.0 U	10.0 U	10.0 U
Chloroform	UG/L	10.0 U	10.0 U	10.0 U	10.0 U
1,2-Dichloroethane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U
2-Butanone	UG/L	10.0 U	10.0 U	10.0 U	10.0 U
1,1,1-Trichloroethane	UG/L	19.0	10.0 U	10.0 U	10.0 U
Carbon tetrachloride	UG/L	10.0 U	10.0 U	10.0 U	10.0 U
Bromodichloromethane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U
1,2-Dichloropropane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U
cis-1,3-Dichloropropene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U
Trichloroethene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U
Dibromochloromethane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U
1,1,2-Trichloroethane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U
Benzene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U
trans-1,3-Dichloropropene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U
Bromoform	UG/L	10.0 U	10.0 U	10.0 U	10.0 U
4-Methyl-2-pentanone	UG/L	10.0 U	10.0 U	10.0 U	10.0 U
2-Hexanone	UG/L	10.0 U	10.0 U	10.0 U	10.0 U
Tetrachloroethene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U
1,1,2,2-Tetrachloroethane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U
Toluene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U
Chlorobenzene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U
Ethylbenzene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U
Styrene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U
Xylenes (total)	UG/L	10.0 U	10.0 U	10.0 U	10.0 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 GROUNDWATER
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-GW11DW-02	41-GW12-02	41-GW12DW-02	41-GW13-02
Laboratory Sample ID:	9405016-05	9405006-09	9405006-07	9404226-03
Date Sampled:				04/27/94

	UNITS				
<u>PESTICIDE/PCBS</u>					
alpha-BHC	UG/L	0.063 UJ	0.1 UJ	0.06 UJ	0.054 UJ
beta-BHC	UG/L	0.063 UJ	0.1 UJ	0.06 UJ	0.054 UJ
delta-BHC	UG/L	0.063 UJ	0.1 UJ	0.06 UJ	0.054 UJ
Lindane (gamma-BHC)	UG/L	0.063 UJ	0.1 UJ	0.06 UJ	0.054 UJ
Heptachlor	UG/L	0.063 UJ	0.1 UJ	0.06 UJ	0.054 UJ
Aldrin	UG/L	0.063 UJ	0.1 UJ	0.06 UJ	0.054 UJ
Heptachlor epoxide	UG/L	0.063 UJ	0.1 UJ	0.06 UJ	0.054 UJ
Endosulfan I	UG/L	0.063 UJ	0.1 UJ	0.06 UJ	0.054 UJ
Dieldrin	UG/L	0.126 UJ	0.2 UJ	0.12 UJ	0.109 UJ
4,4'-DDE	UG/L	0.126 UJ	0.2 UJ	0.12 UJ	0.109 UJ
Endrin	UG/L	0.126 UJ	0.2 UJ	0.12 UJ	0.109 UJ
Endosulfan II	UG/L	0.126 UJ	0.2 UJ	0.12 UJ	0.109 UJ
4,4'-DDD	UG/L	0.126 UJ	0.2 UJ	0.12 UJ	0.109 UJ
Endosulfan sulfate	UG/L	0.126 UJ	0.2 UJ	0.12 UJ	0.109 UJ
4,4'-DDT	UG/L	0.126 UJ	0.2 UJ	0.12 UJ	0.109 UJ
Methoxychlor	UG/L	0.63 UJ	1 UJ	0.6 UJ	0.545 UJ
Endrin ketone	UG/L	0.126 UJ	0.2 UJ	0.12 UJ	0.109 UJ
Endrin aldehyde	UG/L	0.126 UJ	0.2 UJ	0.12 UJ	0.109 UJ
alpha-Chlordane	UG/L	0.063 UJ	0.1 UJ	0.06 UJ	0.054 UJ
gamma-Chlordane	UG/L	0.063 UJ	0.1 UJ	0.06 UJ	0.054 UJ
Toxaphene	UG/L	6.3 UJ	10 UJ	6 UJ	5.45 UJ
Aroclor 1016	UG/L	1.26 UJ	2 UJ	1.2 UJ	1.09 UJ
Aroclor 1221	UG/L	2.52 UJ	4 UJ	2.4 UJ	2.18 UJ
Aroclor 1232	UG/L	1.26 UJ	2 UJ	1.2 UJ	1.09 UJ
Aroclor 1242	UG/L	1.26 UJ	2 UJ	1.2 UJ	1.09 UJ
Aroclor 1248	UG/L	1.26 UJ	2 UJ	1.2 UJ	1.09 UJ
Aroclor 1254	UG/L	1.26 UJ	2 UJ	1.2 UJ	1.09 UJ
Aroclor 1260	UG/L	1.26 UJ	2 UJ	1.2 UJ	1.09 UJ

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 GROUNDWATER
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID: Laboratory Sample ID: Date Sampled:	MINIMUM NONDETECTED	MAXIMUM NONDETECTED	MINIMUM DETECTED	MAXIMUM DETECTED	LOCATION OF MAXIMUM DETECTED	FREQUENCY OF DETECTION
	UNITS					
	SEMIVOLATILES					
1,2-Dichlorobenzene	UG/L	10.5 U	16.1 U	ND	ND	0/18
1,2,4-Trichlorobenzene	UG/L	10.5 U	16.1 U	ND	ND	0/18
1,3-Dichlorobenzene	UG/L	10.5 U	16.1 U	ND	ND	0/18
1,4-Dichlorobenzene	UG/L	10.5 U	16.1 U	ND	ND	0/18
2-Chloronaphthalene	UG/L	10.5 U	16.1 U	ND	ND	0/18
2-Chlorophenol	UG/L	10.5 U	16.1 U	ND	ND	0/18
2-Methylnaphthalene	UG/L	10.5 U	16.1 U	ND	ND	0/18
2-Methylphenol	UG/L	10.5 U	16.1 U	ND	ND	0/18
2-Nitroaniline	UG/L	26.3 U	40.3 U	ND	ND	0/18
2-Nitrophenol	UG/L	10.5 U	16.1 U	ND	ND	0/18
2,2'-oxybis-(1-chloropropane)	UG/L	10.5 U	16.1 U	ND	ND	0/18
2,4-Dichlorophenol	UG/L	10.5 U	16.1 U	ND	ND	0/18
2,4-Dimethylphenol	UG/L	10.5 U	16.1 U	ND	ND	0/18
2,4-Dinitrophenol	UG/L	26.3 U	40.3 U	ND	ND	0/18
2,4-Dinitrotoluene	UG/L	10.5 U	16.1 U	ND	ND	0/18
2,4,5-Trichlorophenol	UG/L	26.3 U	40.3 U	ND	ND	0/18
2,4,6-Trichlorophenol	UG/L	10.5 U	16.1 U	ND	ND	0/18
2,6-Dinitrotoluene	UG/L	10.5 U	16.1 U	ND	ND	0/18
3-Nitroaniline	UG/L	26.3 U	40.3 U	ND	ND	0/18
3,3'-Dichlorobenzidine	UG/L	10.5 U	16.1 U	ND	ND	0/18
4-Bromophenyl-phenylether	UG/L	10.5 U	16.1 U	ND	ND	0/18
4-Chloro-3-methylphenol	UG/L	10.5 U	16.1 U	ND	ND	0/18
4-Chloroaniline	UG/L	10.5 U	16.1 U	ND	ND	0/18
4-Chlorophenyl phenyl ether	UG/L	10.5 U	16.1 U	ND	ND	0/18
4-Methylphenol	UG/L	10.5 U	16.1 U	ND	ND	0/18
4-Nitroaniline	UG/L	26.3 U	40.3 U	ND	ND	0/18
4-Nitrophenol	UG/L	26.3 U	40.3 U	ND	ND	0/18
4,6-Dinitro-2-methylphenol	UG/L	26.3 U	40.3 U	ND	ND	0/18
Acenaphthene	UG/L	10.5 U	16.1 U	ND	ND	0/18
Acenaphthylene	UG/L	10.5 U	16.1 U	ND	ND	0/18
Anthracene	UG/L	10.5 U	16.1 U	ND	ND	0/18
Benzo[a]anthracene	UG/L	10.5 U	16.1 U	ND	ND	0/18
Benzo[a]pyrene	UG/L	10.5 U	16.1 U	ND	ND	0/18

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 GROUNDWATER
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID: Laboratory Sample ID: Date Sampled:	MINIMUM NONDETECTED	MAXIMUM NONDETECTED	MINIMUM DETECTED	MAXIMUM DETECTED	LOCATION OF MAXIMUM DETECTED	FREQUENCY OF DETECTION
UNITS						
SEMIVOLATILES Cont.						
Benzo[b]fluoranthene	UG/L	10.5 U	16.1 U	ND	ND	0/18
Benzo[g,h,i]perylene	UG/L	10.5 U	16.1 U	ND	ND	0/18
Benzo[k]fluoranthene	UG/L	10.5 U	16.1 U	ND	ND	0/18
bis(2-Chloroethoxy) methane	UG/L	10.5 U	16.1 U	ND	ND	0/18
bis(2-Chloroethyl) ether	UG/L	10.5 U	16.1 U	ND	ND	0/18
bis(2-Ethylhexyl)phthalate	UG/L	10.5 U	16.1 U	ND	ND	0/18
Butyl benzyl phthalate	UG/L	10.5 U	16.1 U	ND	ND	0/18
Carbazole	UG/L	10.5 U	16.1 U	ND	ND	0/18
Chrysene	UG/L	10.5 U	16.1 U	ND	ND	0/18
Dibenzofuran	UG/L	10.5 U	16.1 U	ND	ND	0/18
Dibenz[a,h]anthracene	UG/L	10.5 U	16.1 U	ND	ND	0/18
Diethylphthalate	UG/L	10.5 U	16.1 U	ND	ND	0/18
Dimethyl phthalate	UG/L	10.5 U	16.1 U	ND	ND	0/18
di-n-Butylphthalate	UG/L	10.5 U	16.1 U	ND	ND	0/18
di-n-Octylphthalate	UG/L	10.5 U	16.1 U	ND	ND	0/18
Fluoranthene	UG/L	10.5 U	16.1 U	ND	ND	0/18
Fluorene	UG/L	10.5 U	16.1 U	ND	ND	0/18
Hexachlorobenzene	UG/L	10.5 U	16.1 U	ND	ND	0/18
Hexachlorobutadiene	UG/L	10.5 U	16.1 U	ND	ND	0/18
Hexachlorocyclopentadiene	UG/L	10.5 U	16.1 U	ND	ND	0/18
Hexachloroethane	UG/L	10.5 U	16.1 U	ND	ND	0/18
Indeno[1,2,3-cd]pyrene	UG/L	10.5 U	16.1 U	ND	ND	0/18
Isophorone	UG/L	10.5 U	16.1 U	ND	ND	0/18
Mirex	UG/L	53 U	81 U	ND	ND	0/18
Naphthalene	UG/L	10.5 U	16.1 U	ND	ND	0/18
Nitrobenzene	UG/L	10.5 U	16.1 U	ND	ND	0/18
N-Nitroso-di-n-propylamine	UG/L	10.5 U	16.1 U	ND	ND	0/18
N-nitrosodiphenylamine	UG/L	10.5 U	16.1 U	ND	ND	0/18
Pentachlorophenol	UG/L	26.3 U	40.3 U	ND	ND	0/15
Phenanthrene	UG/L	10.5 U	16.1 U	ND	ND	0/18
Phenol	UG/L	10.5 U	16.1 U	ND	ND	0/18
Pyrene	UG/L	10.5 U	16.1 U	ND	ND	0/18

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 GROUNDWATER
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID: Laboratory Sample ID: Date Sampled:	MINIMUM NONDETECTED	MAXIMUM NONDETECTED	MINIMUM DETECTED	MAXIMUM DETECTED	LOCATION OF MAXIMUM DETECTED	FREQUENCY OF DETECTION
UNITS						
VOLATILES						
Chloromethane	UG/L	10 U	10 U	ND		0/18
Bromomethane	UG/L	10 U	10 U	ND		0/18
Vinyl chloride	UG/L	10 U	10 U	ND		0/18
Chloroethane	UG/L	10 U	10 U	ND		0/18
Methylene chloride	UG/L	10 U	10 U	ND		0/18
Acetone	UG/L	10 U	10 U	4 J	12 J	41-GW11-02 3/18
Carbon Disulfide	UG/L	10 U	10 U	ND	ND	0/18
1,1-Dichloroethene	UG/L	10 U	10 U	ND	ND	0/18
1,1-Dichloroethane	UG/L	10 U	10 U	ND	ND	0/18
1,2-Dichloroethene(total)	UG/L	10 U	10 U	ND	ND	0/18
Chloroform	UG/L	10 U	10 U	ND	ND	0/18
1,2-Dichloroethane	UG/L	10 U	10 U	ND	ND	0/18
2-Butanone	UG/L	10 U	10 U	ND	ND	0/18
1,1,1-Trichloroethane	UG/L	10 U	10 U	19	19	41-GW11DW-02 1/18
Carbon tetrachloride	UG/L	10 U	10 U	ND	ND	0/18
Bromodichloromethane	UG/L	10 U	10 U	ND	ND	0/18
1,2-Dichloropropane	UG/L	10 U	10 U	ND	ND	0/18
cis-1,3-Dichloropropene	UG/L	10 U	10 U	ND	ND	0/18
Trichloroethene	UG/L	10 U	10 U	ND	ND	0/18
Dibromochloromethane	UG/L	10 U	10 U	ND	ND	0/18
1,1,2-Trichloroethane	UG/L	10 U	10 U	ND	ND	0/18
Benzene	UG/L	10 U	10 U	2 J	2 J	41-GW11-02 1/18
trans-1,3-Dichloropropene	UG/L	10 U	10 U	ND	ND	0/18
Bromoform	UG/L	10 U	10 U	ND	ND	0/18
4-Methyl-2-pentanone	UG/L	10 U	10 U	ND	ND	0/18
2-Hexanone	UG/L	10 U	10 U	ND	ND	0/18
Tetrachloroethene	UG/L	10 U	10 U	ND	ND	0/18
1,1,2,2-Tetrachloroethane	UG/L	10 U	10 U	ND	ND	0/18
Toluene	UG/L	10 U	10 U	ND	ND	0/18
Chlorobenzene	UG/L	10 U	10 U	2 J	2 J	41-GW11-02 1/18
Ethylbenzene	UG/L	10 U	10 U	ND	ND	0/18
Styrene	UG/L	10 U	10 U	ND	ND	0/18
Xylenes (total)	UG/L	10 U	10 U	ND	ND	0/18

FREQUENCY OF DETECTION SUMMARY
OPERABLE UNIT NO. 4 (SITE 41)
GROUNDWATER
MCB CAMP LEJEUNE, NORTH CAROLINA
REMEDIAL INVESTIGATION - CTO-0212
ORGANICS

Client Sample ID: Laboratory Sample ID: Date Sampled:	MINIMUM NONDETECTED	MAXIMUM NONDETECTED	MINIMUM DETECTED	MAXIMUM DETECTED	LOCATION OF MAXIMUM DETECTED	FREQUENCY OF DETECTION
PESTICIDE/PCBS						
alpha-BHC	UG/L	0.05 U	0.1 UJ	ND	ND	0/18
beta-BHC	UG/L	0.05 U	0.1 UJ	ND	ND	0/18
delta-BHC	UG/L	0.05 U	0.1 UJ	ND	ND	0/18
Lindane (gamma-BHC)	UG/L	0.05 U	0.1 UJ	ND	ND	0/18
Heptachlor	UG/L	0.05 U	0.1 UJ	ND	ND	0/18
Aldrin	UG/L	0.05 U	0.1 UJ	ND	ND	0/18
Heptachlor epoxide	UG/L	0.05 U	0.1 UJ	ND	ND	0/18
Endosulfan I	UG/L	0.05 U	0.1 UJ	ND	ND	0/18
Dieldrin	UG/L	0.1 U	0.2 UJ	ND	ND	0/18
4,4'-DDE	UG/L	0.1 U	0.2 UJ	ND	ND	0/18
Endrin	UG/L	0.1 U	0.2 UJ	ND	ND	0/18
Endosulfan II	UG/L	0.1 U	0.2 UJ	ND	ND	0/18
4,4'-DDD	UG/L	0.1 U	0.2 UJ	ND	ND	0/18
Endosulfan sulfate	UG/L	0.1 U	0.2 UJ	ND	ND	0/18
4,4'-DDT	UG/L	0.1 U	0.2 UJ	ND	ND	0/18
Methoxychlor	UG/L	0.5 U	1 UJ	ND	ND	0/18
Endrin ketone	UG/L	0.1 U	0.2 UJ	ND	ND	0/18
Endrin aldehyde	UG/L	0.1 U	0.2 UJ	ND	ND	0/18
alpha-Chlordane	UG/L	0.05 U	0.1 UJ	ND	ND	0/18
gamma-Chlordane	UG/L	0.05 U	0.1 UJ	ND	ND	0/18
Toxaphene	UG/L	5 U	10 UJ	ND	ND	0/18
Aroclor 1016	UG/L	1 U	2 UJ	ND	ND	0/18
Aroclor 1221	UG/L	2 U	4 UJ	ND	ND	0/18
Aroclor 1232	UG/L	1 U	2 UJ	ND	ND	0/18
Aroclor 1242	UG/L	1 U	2 UJ	ND	ND	0/18
Aroclor 1248	UG/L	1 U	2 UJ	ND	ND	0/18
Aroclor 1254	UG/L	1 U	2 UJ	ND	ND	0/18
Aroclor 1260	UG/L	1 U	2 UJ	ND	ND	0/18

APPENDIX O.6
SITE 41 GROUNDWATER TOTAL METALS

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 GROUNDWATER
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 TAL TOTAL METALS

Client Sample ID:	41-GW01-01	41-GW02-01	41-GW03-01	41-GW04-01	41-GW04DW-01	41-GW05-01
Laboratory Sample ID:	9402122-01	9402119-01	9402121-01	9402121-03	9402159-01A	9402122-03
Date Sampled:	02/14/94	02/14/94	02/14/94	02/15/94		02/14/94

	UNITS						
Aluminum	UG/L	42300.0 J	125000.0 J	58800.0 J	6390.0 J	269	20300.0 J
Antimony	UG/L	7.60 UJ	7.60 UJ	7.60 UJ	7.60 UJ	7.6 U	7.60 UJ
Arsenic	UG/L	11.5 J	7.44 J	2.75 J	6.69 J	3.71 J	13.0 J
Barium	UG/L	189.0	465.0	310.0	55.2	22.6	55.7
Beryllium	UG/L	5.40	6.80	2.38	0.760 U	3.21 U	1.57
Cadmium	UG/L	3.19 U	6.26	3.19 U	3.19 U	4.2 U	9.96
Calcium	UG/L	42500.0	136000.0	20300.0	29300.0	107000	66200.0
Chromium	UG/L	64.2 J	244.0 J	99.1 J	10.5 J	9.6 U	54.4 J
Cobalt	UG/L	31.0	16.5	16.0 U	16.0 U	31.2 U	16.0 U
Copper	UG/L	31.8	83.6	25.9	16.3 U	23.9 U	27.0
Iron	UG/L	66200.0 J	80800.0 J	35300.0 J	54900.0 J	691 J	55300.0 J
Lead	UG/L	24.6 J	19.8 J	6.12 J	4.82 J	1 U	23.7 J
Magnesium	UG/L	4010.0	31000.0	2500.0	2150.0	1630	2970.0
Manganese	UG/L	951.0	572.0	72.4	226.0	16.9	203.0
Mercury	UG/L	0.170 U	0.922	0.183 U	0.176 U	0.152 U	0.158 U
Nickel	UG/L	28.8 UJ	41.4 J	36.1 J	28.8 UJ	31.2 U	38.0 J
Potassium	UG/L	3080	21300	3080	3080	1550	3080
Selenium	UG/L	1.60 U	3.66	1.60 U	1.60 U	1.6 UJ	1.66
Silver	UG/L	1.60 U	1.60 U	1.60 U	24.8	1.6 R	1.60 U
Sodium	UG/L	5830	28600	2080	5510	11800	5940
Thallium	UG/L	3.00 U	3.00 U	3.00 U	3.00 U	3 U	3.00 U
Vanadium	UG/L	77.1 J	204.0 J	83.6 J	20.4 UJ	20.4 U	38.1 J
Zinc	UG/L	124.0 J	146.0 J	130.0 J	25.7 J	17.8	173.0 J
Total Cyanide	UG/L	5.00 U	5.00 U	5.00 U	5.00 U	5 U	5.00 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 GROUNDWATER
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 TAL TOTAL METALS

Client Sample ID:	41-GW06DW-01	41-GW07-01	41-GW07DW-01	41-GW08-01	41-GW09-01	41-GW09DW-01
Laboratory Sample ID:	9402163-03	9402152-01A	9402162-03	9402157-05A	9402161-01A	9402162-01
Date Sampled:						

	UNITS						
Aluminum	UG/L	12600 J	145000	1770 J	13800	26800	2490 J
Antimony	UG/L	7.6 R	7.6 UJ	7.6 R	7.6 UJ	7.6 UJ	7.6 R
Arsenic	UG/L	9.58	13.3	4.79	2.4 J	7.66	2.2 U
Barium	UG/L	186	717	42.7	139	200	39.8
Beryllium	UG/L	3.21 U	5.59	3.21 U	3.21 U	3.21 U	3.21 U
Cadmium	UG/L	4.7	9.08	4.2 U	4.2 U	4.2 U	4.2 U
Calcium	UG/L	434000	11100	172000	31400	8750	74300
Chromium	UG/L	40.5	166	9.6 U	17.3	36.6	9.6 U
Cobalt	UG/L	42.6 U	31.2 U	42.6 U	31.2 U	31.2 U	42.6 U
Copper	UG/L	23.9 U	28.5	23.9 U	23.9 U	23.9 U	23.9 U
Iron	UG/L	15300	71100 J	3140	13600 J	31200 J	2260
Lead	UG/L	11.1 J	94.6	5.96 J	32.6	33.8	4.33 J
Magnesium	UG/L	6710	5960	2800	2280	3570	2070
Manganese	UG/L	101	167	41.8	56.6	212	36.8
Mercury	UG/L	0.152	0.16 U	0.166 U	0.169 U	0.163 U	0.152 U
Nickel	UG/L	31.2 U	88.7	31.2 U	31.2 U	31.2 U	31.2 U
Potassium	UG/L	2900	4780	1180	1340	2900	1030
Selenium	UG/L	1.6 UJ	7.74 J	8.36 J	1.6 UJ	2.12 J	1.87 J
Silver	UG/L	1.6 R	1.6 R	1.6 R	1.6 R	1.6 R	1.6 R
Sodium	UG/L	17800	11700	8880	3190	18000	22700
Thallium	UG/L	3 U	3 U	3 U	3 U	3 U	3 U
Vanadium	UG/L	49.8	150	20.4 U	25.9	46.7	20.4 U
Zinc	UG/L	83.8	276	32.9	56.5	27.8	26.4
Total Cyanide	UG/L	5 U	5 U	5 U	5 U	5 U	5 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 GROUNDWATER
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 TAL TOTAL METALS

Client Sample ID:	41-GW10-01	41-GW11-01	41-GW11DW-01	41-GW12-01	41-GW12DW-01	41-GW13-01
Laboratory Sample ID:	9402161-03A	9402165-01	9402163-01	9402157-01A	9402159-03A	9402157-03A
Date Sampled:						

	<u>UNITS</u>					
Aluminum	UG/L	81900	75700 J	247 J	65900	1880
Antimony	UG/L	7.6 UJ	17.9 J	7.6 R	7.6 U	7.6 UJ
Arsenic	UG/L	36.3	24.2	2.2 U	8.98	2.2 U
Barium	UG/L	248	999	92.1	356	53
Beryllium	UG/L	7.41	3.21 U	3.21 U	42.8	3.21 U
Cadmium	UG/L	16.3	110	4.2 U	25.1	4.2 U
Calcium	UG/L	250000	130000	224000	828000	93300
Chromium	UG/L	176	149	9.6 U	151	12.6
Cobalt	UG/L	37.8	42.6 U	42.6 U	117	31.2 U
Copper	UG/L	26.3	1030	23.9 U	23.9 U	23.9 U
Iron	UG/L	124000 J	155000	1360	160000 J	2430 J
Lead	UG/L	73.6	9340	1.88 J	22.1	3.16 J
Magnesium	UG/L	15300	22700	5860	11900	6410
Manganese	UG/L	455	2110	87.5	1070	35
Mercury	UG/L	0.147 U	0.175 U	0.173 U	0.134 U	0.155 U
Nickel	UG/L	68.1	137	31.2 U	111	31.2 U
Potassium	UG/L	2750	26800	2740	1960	13800
Selenium	UG/L	1.6 UJ	1.6 UJ	2.74 J	1.6 UJ	4.24 J
Silver	UG/L	1.6 R	8.52 J	1.6 R	1.6 R	62.8 J
Sodium	UG/L	40200	27900	95100	8480	200000
Thallium	UG/L	3 U	3 U	3 U	3 U	3 U
Vanadium	UG/L	199	244	20.4 U	212	20.4 U
Zinc	UG/L	173	5180	50.3	450	25.3
Total Cyanide	UG/L	5 U	5 U	5 U	5 U	5 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 GROUNDWATER
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 TAL TOTAL METALS

Client Sample ID:							
Laboratory Sample ID:		MINIMUM	MAXIMUM	MINIMUM	MAXIMUM	LOCATION OF	FREQUENCY
Date Sampled:		NONDETECTED	NONDETECTED	DETECTED	DETECTED	MAXIMUM	OF
						DETECTED	DETECTION
	<u>UNITS</u>						
Aluminum	UG/L	NA	NA	247 J	145000	41-GW07-01	18/18
Antimony	UG/L	7.6 UJ	7.6 UJ	7.6 R	17.9 J	41-GW11-01	5/18
Arsenic	UG/L	2.2 U	2.2 U	2.4 J	36.3	41-GW10-01	15/18
Barium	UG/L	NA	NA	22.6	999	41-GW11-01	18/18
Beryllium	UG/L	0.76 U	3.21 U	1.57	42.8	41-GW12-01	8/18
Cadmium	UG/L	3.19 U	4.2 U	4.6	110	41-GW11-01	8/18
Calcium	UG/L	NA	NA	8750	828000	41-GW12-01	18/18
Chromium	UG/L	9.6 U	9.6 U	10.5 J	244 J	41-GW02-01	14/18
Cobalt	UG/L	16 U	42.6 U	16.5	117	41-GW12-01	5/18
Copper	UG/L	16.3 U	23.9 U	25.9	1030	41-GW11-01	7/18
Iron	UG/L	NA	NA	691 J	160000 J	41-GW12-01	18/18
Lead	UG/L	1 U	1 U	1.88 J	9340	41-GW11-01	17/18
Magnesium	UG/L	NA	NA	1630	31000	41-GW02-01	18/18
Manganese	UG/L	NA	NA	16.9	2110	41-GW11-01	18/18
Mercury	UG/L	0.134 U	0.183 U	0.152	0.922	41-GW02-01	2/18
Nickel	UG/L	28.8 UJ	31.2 U	32.1	137	41-GW11-01	8/18
Potassium	UG/L	NA	NA	1030	26800	41-GW11-01	18/18
Selenium	UG/L	1.6 U	1.6 U	1.66	8.36 J	41-GW07DW-01	9/18
Silver	UG/L	1.6 U	1.6 U	1.6 R	63.4 J	41-GW13-01	14/18
Sodium	UG/L	NA	NA	2080	200000	41-GW12DW-01	18/18
Thallium	UG/L	3 U	3 U	ND	ND		0/18
Vanadium	UG/L	20.4 UJ	20.4 UJ	25.9	244	41-GW11-01	12/18
Zinc	UG/L	NA	NA	17.8	5180	41-GW11-01	18/18
Total Cyanide	UG/L	5 U	5 U	ND	ND		0/18

APPENDIX O.6.1
ROUND 2 SITE 41 GROUNDWATER TOTAL METALS

FREQUENCY OF DETECTION SUMMARY
OPERABLE UNIT NO. 4 (SITE 41)
GROUNDWATER
MCB CAMP LEJEUNE, NORTH CAROLINA
REMEDIAL INVESTIGATION - CTO-0212
TAL TOTAL METALS

Client Sample ID:	41-GW01-02	41-GW02-03	41-GW03-02	41-GW04-02	41-GW04DW-02	41-GW05-02
Laboratory Sample ID:	9405010-05	AB7985	9404226-01	9405006-03	9405006-01	9404226-07
Date Sampled:		08/26/94	04/27/94			04/27/94

	UNITS						
Aluminum	UG/L	7560	230	94900.0	56900	1570	75900.0
Antimony	UG/L	5.5 UJ	50 U	5.50 UJ	5.5 UJ	5.5 UJ	5.50 UJ
Arsenic	UG/L	4.51 J	2 U	8.02 J	27.9 J	2.5 J	53.5 J
Barium	UG/L	88.9	67.5	836.0	170	45.3	178.0
Beryllium	UG/L	1.61	1 U	6.26	1.24	0.648 U	8.52
Cadmium	UG/L	2.11 U	5 U	4.84	6.49	2.58	37.5
Calcium	UG/L	26700	116000	33900.0	71500	289000	125000.0
Chromium	UG/L	12.1	10 U	166.0	81.5	7.89 U	159.0
Cobalt	UG/L	13.1 U	10 U	22.2	15.6	13.1 U	25.8
Copper	UG/L	15.9 U	10 U	34.1	19.4 J	15.9 U	53.4
Iron	UG/L	17500	20600	83200.0	102000	3900	199000.0
Lead	UG/L	12.5	2.3	5.15 U	22.5	5.23 U	100.0
Magnesium	UG/L	2780	20300	2970.0	4140	3380	6720.0
Manganese	UG/L	307	334	139.0	274	35.2	766.0
Mercury	UG/L	0.1 U	0.2 U	0.100 U	0.264 J	0.1 U	0.100 U
Nickel	UG/L	22.3 U	20 U	45.3	40.5	22.3 U	177.0
Potassium	UG/L	1130	17200	2490.0	4910	2940	8330.0
Selenium	UG/L	4.45 UJ	2 U	1.50 UJ	3.95 UJ	2.46 UJ	1.50 UJ
Silver	UG/L	0.5 UJ	5 U	0.500 U	0.5 UJ	0.5 UJ	0.500 U
Sodium	UG/L	6320	29400	3910.0	6080	11600	5910.0
Thallium	UG/L	3.7 UJ	2 U	3.00 UJ	3.7 UJ	3.7 UJ	3.77 J
Vanadium	UG/L	13	10 U	131.0	136	15.1	138.0
Zinc	UG/L	40.2 U	114	224.0	146	48.9 U	675.0

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 GROUNDWATER
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 TAL TOTAL METALS

Client Sample ID:	41-GW06DW-02	41-GW07-03	41-GW07DW-02	41-GW08-02	41-GW09-02	41-GW09DW-02
Laboratory Sample ID:	9404226-05	AB8054	9405016-02	9405006-05	9405010-07	9405010-09
Date Sampled:	04/27/94	08/26/94				

	UNITS						
Aluminum	UG/L	12700.0	3410	1280	99200	54900	30600
Antimony	UG/L	5.50 UJ	50 U	5.5 UJ	5.5 UJ	5.5 UJ	5.5 UJ
Arsenic	UG/L	10.4 J	2.1	2.1 UJ	14.8 J	4.51 J	13 J
Barium	UG/L	244.0	57.3	18.2	586	451	505
Beryllium	UG/L	0.954	1.1	0.648 U	21.2	1.07	1.92
Cadmium	UG/L	7.46	5 U	2.76	7.39	2.11 U	8.68
Calcium	UG/L	715000.0	2050	148000	68800	12400	945000
Chromium	UG/L	40.1	10 U	7.89 U	112	67.1	81
Cobalt	UG/L	13.1 U	10 U	13.1 U	89.3	13.1 U	13.1 U
Copper	UG/L	18.5	10 U	15.9 U	44.2 J	21.7 J	28.5 J
Iron	UG/L	17900.0	2890	4390	74800	54800	34100
Lead	UG/L	15.2	3.2	3.78 U	145	52.5	34.8
Magnesium	UG/L	8540.0	1750	2280	8740	6590	11400
Manganese	UG/L	154.0	24.5	46.2	216	181	367
Mercury	UG/L	0.100 U	0.2 U	0.1 U	0.1 U	0.1 U	0.1 U
Nickel	UG/L	22.8	20 U	22.3 U	90.4	22.3 U	44.5
Potassium	UG/L	2790.0	1870	977	5210	2490	3700
Selenium	UG/L	1.50 UJ	2 U	10.3 J	5.28 UJ	6.78 UJ	1.5 UJ
Silver	UG/L	0.500 U	5 U	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ
Sodium	UG/L	11200.0	9930	6320	6200	22000	10900
Thallium	UG/L	3.00 UJ	2 U	3.7 UJ	3.7 UJ	3.7 UJ	3.7 UJ
Vanadium	UG/L	74.0	10 U	10.6	144	88.8	95
Zinc	UG/L	104.0	237	29.5 U	283	38.9 U	186

FREQUENCY OF DETECTION SUMMARY
OPERABLE UNIT NO. 4 (SITE 41)
GROUNDWATER
MCB CAMP LEJEUNE, NORTH CAROLINA
REMEDIAL INVESTIGATION - CTO-0212
TAL TOTAL METALS

Client Sample ID:	41-GW10-03	41-GW11-03	41-GW11DW-02	41-GW12-02	41-GW12DW-02	41-GW13-02
Laboratory Sample ID:	AB8048	AB8057	9405016-05	9405006-09	9405006-07	9404226-03
Date Sampled:	08/26/94	08/26/94				04/27/94

	UNITS						
Aluminum	UG/L	40.2	83	4570	42300	6080	60200.0
Antimony	UG/L	50 U	50 U	5.5 UJ	5.5 UJ	5.5 UJ	5.50 UJ
Arsenic	UG/L	2 U	2 U	8.64 J	11.4 J	4.32 J	7.49 U
Barium	UG/L	21.5	358	93.4	276	84.4	533.0
Beryllium	UG/L	1 U	1 U	0.648 U	37.4	0.648 U	5.25
Cadmium	UG/L	5 U	5 U	5.38	12.1	2.11 U	4.05
Calcium	UG/L	46300	82900	368000	716000	180000	12500.0
Chromium	UG/L	10 U	10 U	19.8	126	26.4	82.8
Cobalt	UG/L	10 U	10 U	13.1 U	106	13.1 U	32.4
Copper	UG/L	10 U	10 U	16.6 J	23.4 J	15.9 U	28.5
Iron	UG/L	890	26200	12800	117000	7250	59200.0
Lead	UG/L	2 U	26.3	26.5	22.8	7.11 U	16.1
Magnesium	UG/L	1570	14200	7870	9400	9420	3740.0
Manganese	UG/L	64.3	186	136	747	69.9	66.8
Mercury	UG/L	0.2 U	0.33	0.1 U	0.1 U	0.1 U	0.100 U
Nickel	UG/L	20 U	20 U	38.7	99.7	22.3 U	28.9
Potassium	UG/L	1000 U	22400	2940	2040	17600	3520.0
Selenium	UG/L	2 U	2 U	1.5 UJ	1.5 UJ	1.5 UJ	1.50 UJ
Silver	UG/L	5 U	5 U	0.5 UJ	0.5 UJ	0.5 UJ	0.500 U
Sodium	UG/L	4770	27300	140000	7500	208000	6850.0
Thallium	UG/L	2 U	2 U	3.7 UJ	3.7 UJ	3.7 UJ	3.00 UJ
Vanadium	UG/L	10 U	10 U	45.2	179	18.6	104.0
Zinc	UG/L	41.6	118	205	398	47.3 U	159.0

FREQUENCY OF DETECTION SUMMARY
OPERABLE UNIT NO. 4 (SITE 41)
GROUNDWATER
MCB CAMP LEJEUNE, NORTH CAROLINA
REMEDIAL INVESTIGATION - CTO-0212
TAL TOTAL METALS

Client Sample ID: Laboratory Sample ID: Date Sampled:	MINIMUM NONDETECTED	MAXIMUM NONDETECTED	MINIMUM DETECTED	MAXIMUM DETECTED	LOCATION OF MAXIMUM DETECTED	FREQUENCY OF DETECTION
	UNITS					
Aluminum	UG/L	NA	NA	40.2	99200	41-GW08-02 18/18
Antimony	UG/L	5.5 UJ	50 U	ND	ND	0/18
Arsenic	UG/L	2 U	7.49 U	2.1	53.5 J	41-GW05-02 13/18
Barium	UG/L	NA	NA	18.2	836	41-GW03-02 18/18
Beryllium	UG/L	0.648 U	1 U	0.954	37.4	41-GW12-02 11/18
Cadmium	UG/L	2.11 U	5 U	2.58	37.5	41-GW05-02 11/18
Calcium	UG/L	NA	NA	2050	945000	41-GW09DW-02 18/18
Chromium	UG/L	7.89 U	10 U	12.1	166	41-GW03-02 12/18
Cobalt	UG/L	10 U	13.1 U	15.6	106	41-GW12-02 6/18
Copper	UG/L	10 U	15.9 U	16.6 J	53.4	41-GW05-02 10/18
Iron	UG/L	NA	NA	890	199000	41-GW05-02 18/18
Lead	UG/L	2 U	7.11 U	2.3	145	41-GW08-02 13/18
Magnesium	UG/L	NA	NA	1570	20300	41-GW02-03 18/18
Manganese	UG/L	NA	NA	24.5	766	41-GW05-02 18/18
Mercury	UG/L	0.1 U	0.2 U	0.264 J	0.33	41-GW11-03 2/18
Nickel	UG/L	20 U	22.3 U	22.8	177	41-GW05-02 9/18
Potassium	UG/L	1000 U	1000 U	977	22400	41-GW11-03 17/18
Selenium	UG/L	1.5 UJ	6.78 UJ	10.3 J	10.3 J	41-GW07DW-02 1/18
Silver	UG/L	0.5 UJ	5 U	ND	ND	0/18
Sodium	UG/L	NA	NA	3910	208000	41-GW12DW-02 18/18
Thallium	UG/L	2 U	3.7 UJ	3.77 J	3.77 J	41-GW05-02 1/18
Vanadium	UG/L	10 U	10 U	10.6	179	41-GW12-02 14/18
Zinc	UG/L	29.5 U	48.9 U	41.6	675	41-GW05-02 13/18

APPENDIX O.7
SITE 41 GROUNDWATER DISSOLVED METALS

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 GROUNDWATER
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 TAL DISSOLVED METALS

Client Sample ID:	41-GW01D-01	41-GW02D-01	41-GW03D-01	41-GW04D-01	41-GW04DWD-01	41-GW05D-01
Laboratory Sample ID:	9402122-02	9402119-02	9402121-02	9402121-04	9402159-02A	9402122-04
Date Sampled:	02/14/94	02/14/94	02/14/94	02/15/94		02/14/94

	UNITS						
Aluminum	UG/L	139.0 U	139.0 U	139.0 U	139.0 U	139 U	139.0 U
Antimony	UG/L	7.60 U	7.60 U	7.60 U	7.60 U	12.1	7.60 U
Arsenic	UG/L	2.20 U	2.22	2.20 U	4.68	2.2 U	2.20 U
Barium	UG/L	12.6	103.0	12.4 U	44.4	17.8	12.4 U
Beryllium	UG/L	0.760 U	0.760 U	0.760 U	0.760 U	3.21 U	0.760 U
Cadmium	UG/L	3.19 U	3.19 U	3.19 U	3.19 U	4.2 U	3.19 U
Calcium	UG/L	28300.0	137000.0	12200.0	32600.0	50100	54000.0
Chromium	UG/L	8.31 U	8.31 U	8.31 U	8.31 U	9.6 U	8.31 U
Cobalt	UG/L	16.0 U	16.0 U	16.0 U	16.0 U	31.2 U	16.0 U
Copper	UG/L	16.3 U	16.3 U	16.3 U	16.3 U	23.9 U	16.3 U
Iron	UG/L	54.9 U	23700.0	54.9 U	42400.0	71.1 U	54.9 U
Lead	UG/L	1.00 U	1.00 UJ	1.00 U	1.00 U	1 U	1.00 U
Magnesium	UG/L	1910.0	29200.0	366.0	2540.0	1570	1370.0
Manganese	UG/L	129.0	469.0	7.08 U	266.0	14.4 U	21.2
Mercury	UG/L	0.159 U	0.129 U	0.181 U	0.199 U	0.15 U	0.161 U
Nickel	UG/L	28.8 U	28.8 U	28.8 U	28.8 U	31.2 U	28.8 U
Potassium	UG/L	964	19300	763 U	3970	1210	1630
Selenium	UG/L	1.60 U	1.60 U	1.60 U	1.60 U	1.6 UJ	1.60 U
Silver	UG/L	1.60 U	1.60 U	1.60 U	1.60 U	1.6 R	1.60 U
Sodium	UG/L	6260	34300	2500	6160	13500	6260
Thallium	UG/L	3.00 U	3.00 U	3.00 U	3.00 U	3 U	3.00 U
Vanadium	UG/L	20.4 U	20.4 U	20.4 U	20.4 U	20.4 U	20.4 U
Zinc	UG/L	10.6 U	10.6 U	10.6 U	10.6 U	15.8 U	10.6 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 GROUNDWATER
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 TAL DISSOLVED METALS

Client Sample ID:	41-GW06DWD-01	41-GW07D-01	41-GW07DWD-01	41-GW08D-01	41-GW09D-01	41-GW09DWD-01
Laboratory Sample ID:	9402163-04	9402152-02A	9402162-04	9402157-06A	9402161-02A	9402162-02
Date Sampled:						

	<u>UNITS</u>						
Aluminum	UG/L	139 U	139 U	139 U	139 U	139 U	
Antimony	UG/L	15.6	19.1	11.4	17	7.6 U	12.1
Arsenic	UG/L	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 UJ
Barium	UG/L	45.1	49.2	16.8 U	23.7	44.5	16.8 U
Beryllium	UG/L	3.21 U	3.21 U	3.21 U	3.21 U	3.21 U	3.21 U
Cadmium	UG/L	4.2 U	4.2 U	4.2 U	4.2 U	4.2 U	4.2 U
Calcium	UG/L	80100	4710	64500	21200	7150	43300
Chromium	UG/L	9.6 U	9.6 U	9.6 U	9.5 U	9.6 U	9.6 U
Cobalt	UG/L	42.6 U	31.2 U	42.6 U	31.2 U	31.2 U	42.6 U
Copper	UG/L	23.9 U	23.9 U	23.9 U	23.9 U	23.9 U	23.9 U
Iron	UG/L	71.1 U	1630 J	71.1 U	71.1 U	71.1 U	71.1 U
Lead	UG/L	1 U	1 U	1 U	1 U	1 U	1 U
Magnesium	UG/L	2610	1750	2020	1940	2730	1840
Manganese	UG/L	22.7	43.2	23.2	29.3	138	20.1
Mercury	UG/L	0.155 U	0.14 U	0.158 U	0.151 U	0.172 U	0.16 U
Nickel	UG/L	31.2 U	31.2 U	31.2 U	31.2 U	31.2 U	31.2 U
Potassium	UG/L	1470	1340	1070	763 U	2010	938
Selenium	UG/L	1.6 U	1.6 UJ	1.6 U	1.6 UJ	1.6 UJ	1.6 U
Silver	UG/L	1.6 U	1.6 R	1.6 U	1.6 R	1.6 R	1.6 U
Sodium	UG/L	18600	11900	9130	4650	19400	25100
Thallium	UG/L	3 U	3 U	3 U	3 U	3 U	3 U
Vanadium	UG/L	20.4 U	20.4 U	20.4 U	20.4 U	20.4 U	20.4 U
Zinc	UG/L	15.8 U	15.8 U	15.8 U	10.6 U	15.8 U	15.8 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 GROUNDWATER
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 TAL DISSOLVED METALS

Client Sample ID:	41-GW10D-01	41-GW11D-01	41-GW11DWD-01	41-GW12D-01	41-GW12DWD-01	41-GW13D-01
Laboratory Sample ID:	9402161-04A	9402165-02	9402163-02	9402157-02A	9402159-04A	9402157-04A
Date Sampled:						

	UNITS					
Aluminum	UG/L	139 U	139 U	139 U	139 U	139 U
Antimony	UG/L	11.4	14.9	14.9	12.8	7.6 U
Arsenic	UG/L	2.2 UJ	2.2 U	2.2 U	2.2 U	2.2 UJ
Barium	UG/L	40.3	451	97.3	22.5	32.3
Beryllium	UG/L	3.21 U	3.21 U	3.21 U	3.21 U	3.21 U
Cadmium	UG/L	4.2 U	4.2 U	4.2 U	4.2 U	4.2 U
Calcium	UG/L	99600	111000	188000	91100	63100
Chromium	UG/L	9.6 U	9.6 U	9.6 U	9.5 U	9.6 U
Cobalt	UG/L	31.2 U	42.6 U	42.6 U	31.2 U	31.2 U
Copper	UG/L	23.9 U	23.9 U	23.9 U	23.9 U	23.9 U
Iron	UG/L	71.1 U	40700	243	71.1 U	71.1 U
Lead	UG/L	1 U	1 U	1 U	1 U	1 U
Magnesium	UG/L	8410	22100	6380	3530	6740
Manganese	UG/L	45.3	521	94	342	24.2
Mercury	UG/L	0.152 U	0.153 U	0.162 U	0.168 U	0.151 U
Nickel	UG/L	31.2 U	31.2 U	31.2 U	31.2 U	31.2 U
Potassium	UG/L	763 U	29400	3480	763 U	16700
Selenium	UG/L	1.6 UJ	1.6 U	1.6 U	1.6 UJ	7.23 J
Silver	UG/L	1.6 R	1.6 U	1.6 UJ	1.6 R	1.6 R
Sodium	UG/L	33600	30400	108000	7800	244000
Thallium	UG/L	3 U	3 U	3 U	3 U	3 U
Vanadium	UG/L	20.4 U	20.4 U	20.4 U	20.4 U	20.4 U
Zinc	UG/L	15.8 U	125	15.8 U	15.8 U	15.8 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 GROUNDWATER
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 TAL DISSOLVED METALS

Client Sample ID:		MINIMUM	MAXIMUM	MINIMUM	MAXIMUM	LOCATION OF	FREQUENCY
Laboratory Sample ID:		NONDETECTED	NONDETECTED	DETECTED	DETECTED	MAXIMUM	OF
Date Sampled:		NONDETECTED	NONDETECTED	DETECTED	DETECTED	DETECTED	DETECTION
	<u>UNITS</u>						
Aluminum	UG/L	139 U	139 U	ND	ND		0/18
Antimony	UG/L	7.6 U	7.6 U	11.4	19.1	41-GW07D-01	10/18
Arsenic	UG/L	2.2 U	2.2 U	2.22	4.68	41-GW04D-01	2/18
Barium	UG/L	12.4 U	16.8 U	12.6	451	41-GW11D-01	14/18
Beryllium	UG/L	0.76 U	3.21 U	ND	ND		0/18
Cadmium	UG/L	3.19 U	4.2 U	ND	ND		0/18
Calcium	UG/L	NA	NA	4710	188000	41-GW11DWD-01	18/18
Chromium	UG/L	8.31 U	9.6 U	ND	ND		0/18
Cobalt	UG/L	16 U	42.6 U	ND	ND		0/18
Copper	UG/L	16.3 U	23.9 U	ND	ND		0/18
Iron	UG/L	54.9 U	71.1 U	243	42400	41-GW04D-01	6/18
Lead	UG/L	1 U	1 U	ND	ND		0/18
Magnesium	UG/L	NA	NA	366	29200	41-GW02D-01	18/18
Manganese	UG/L	7.08 U	14.4 U	20.1	521	41-GW11D-01	16/18
Mercury	UG/L	0.129 U	0.199 U	ND	ND		0/18
Nickel	UG/L	28.8 U	31.2 U	ND	ND		0/18
Potassium	UG/L	763 U	763 U	938	29400	41-GW11D-01	14/18
Selenium	UG/L	1.6 U	1.8 U	7.23 J	7.23 J	41-GW12DWD-01	1/18
Silver	UG/L	1.6 U	1.6 U	1.6 R	1.6 R	41-GW13D-01	8/18
Sodium	UG/L	NA	NA	2500	244000	41-GW12DWD-01	18/18
Thallium	UG/L	3 U	3 U	ND	ND		0/18
Vanadium	UG/L	20.4 U	20.4 U	ND	ND		0/18
Zinc	UG/L	10.6 U	15.8 U	47	125	41-GW11D-01	2/18

APPENDIX O.7.1
ROUND 2 SITE 41 GROUNDWATER DISSOLVED METALS

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 GROUNDWATER
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 TAL DISSOLVED METALS

	Client Sample ID:	41-GW01D-02	41-GW02D-03	41-GW03D-02	41-GW04D-02	41-GW04DWD-02	41-GW05D-02
	Laboratory Sample ID:	9405010-06	AB7997	9404228-02	9405006-04	9405006-02	9404228-08
	Date Sampled:		08/26/94				04/27/94
	UNITS						
Aluminum	UG/L	112 U	40 U	112.0 U	112 U	112 U	112.0 U
Antimony	UG/L	13.2 U	50 U	16.2 UJ	7.3	5.5 U	10.1 U
Arsenic	UG/L	2.1 U	2 U	2.10 U	10.2	2.1 U	2.36
Barium	UG/L	21.7	70.4	11.9	41	25.6	9.20 U
Beryllium	UG/L	0.648 U	1 U	0.648 U	0.648 U	0.648 U	0.648 U
Cadmium	UG/L	2.11 U	5 U	2.11 U	2.11 U	2.11 U	2.11 U
Calcium	UG/L	28700	125000	16000.0	43400	51300	54400.0
Chromium	UG/L	7.89 U	10 U	7.89 U	7.89 U	7.89 U	7.89 U
Cobalt	UG/L	13.1 U	10 U	13.1 U	13.1 U	13.1 U	13.1 U
Copper	UG/L	15.9 U	10.1	15.9 U	15.9 U	15.9 U	15.9 U
Iron	UG/L	46.1 U	21200	36.6 U	29500	36.6 U	36.6 U
Lead	UG/L	0.6 U	2 U	0.600 U	0.6 U	0.6 U	0.600 U
Magnesium	UG/L	2460	21200	829.0	2100	1980	1130.0
Manganese	UG/L	112	352	10.0 U	217	10.4 U	14.8 U
Mercury	UG/L	0.1 U	0.23	0.100 U	0.1 U	0.1 U	0.100 U
Nickel	UG/L	22.3 U	20 U	22.3 U	22.3 U	22.3 U	22.3 U
Potassium	UG/L	675	17800	243.0 U	2790	3670	2060.0
Selenium	UG/L	7.78 U	2 U	1.91 J	4.78 U	4.95 U	1.50 U
Silver	UG/L	0.5 UJ	5 U	0.500 U	0.5 UJ	0.5 UJ	0.400 U
Sodium	UG/L	6670	30700	4260.0	6200	14300	6030.0
Thallium	UG/L	3.7 UJ	2 U	3.00 UJ	3.7 UJ	3.7 UJ	3.00 UJ
Vanadium	UG/L	10.5 U	10 U	10.5 U	10.5 U	10.5 U	10.5 U
Zinc	UG/L	5.85 U	52.5	5.85 U	5.85 U	5.85 U	5.85 U

FREQUENCY OF DETECTION SUMMARY
OPERABLE UNIT NO. 4 (SITE 41)
GROUNDWATER
MCB CAMP LEJEUNE, NORTH CAROLINA
REMEDIAL INVESTIGATION - CTO-0212
TAL DISSOLVED METALS

	Client Sample ID:	41-GW06DWD-02	41-GW07D-03	41-GW07DWD-02	41-GW08D-02	41-GW09D-02	41-GW09DWD-02
	Laboratory Sample ID:	9404228-06	AB8060	9405016-08	9405006-06	9405010-08	9405010-10
	Date Sampled:	04/27/94	08/26/94				
	UNITS						
Aluminum	UG/L	112.0 U	77.8	112 U	112 U	245	112 U
Antimony	UG/L	19.3	50 U	20.8 U	30.8 U	19.7 U	5.54 U
Arsenic	UG/L	2.10 U	2 U	2.1 U	2.1 U	2.1 U	2.1 U
Barium	UG/L	44.4	44.4	9.24 U	17.6	138	33.1
Beryllium	UG/L	0.648 U	1 U	0.648 U	0.648 U	0.648 U	0.648 U
Cadmium	UG/L	2.11 U	5 U	2.11 U	2.11 U	2.11 U	2.11 U
Calcium	UG/L	90000.0	1970	63200	16400	10900	43900
Chromium	UG/L	7.89 U	10 U	7.89 U	7.89 U	7.89 U	7.89 U
Cobalt	UG/L	13.1 U	10 U	13.1 U	13.1 U	13.1 U	13.1 U
Copper	UG/L	15.9 U	25.3	15.9 U	15.9 U	15.9 U	15.9 U
Iron	UG/L	36.6 U	298	36.6 U	36.6 U	36.6 U	36.6 U
Lead	UG/L	0.600 U	2 U	0.6 U	0.6 U	0.6 U	0.6 U
Magnesium	UG/L	2270.0	1800	1540	1630	5600	1430
Manganese	UG/L	31.9	25.3	19.6 U	25.9 U	83.1	16.1 U
Mercury	UG/L	0.100 U	0.2 U	0.1 U	0.1 U	0.1 U	0.1 U
Nickel	UG/L	22.3 U	20 U	22.3 U	22.3 U	22.3 U	22.3 U
Potassium	UG/L	1620.0	1510	524	826	1130	826
Selenium	UG/L	1.50 UJ	2 U	3.29 U	6.61 U	7.61 U	4.62 U
Silver	UG/L	0.500 U	5 U	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ
Sodium	UG/L	11300.0	11000	6320	6670	24100	9870
Thallium	UG/L	3.00 UJ	2 U	3.7 UJ	3.7 UJ	3.7 UJ	3.7 UJ
Vanadium	UG/L	10.5 U	10 U	10.5 U	10.5 U	10.5 U	10.5 U
Zinc	UG/L	5.85 U	86.8	5.85 U	5.85 U	5.85 U	5.85 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 GROUNDWATER
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 TAL DISSOLVED METALS

	Client Sample ID:	41-GW10D-03	41-GW11D-03	41-GW11DWD-02	41-GW12D-02	41-GW12DWD-02	41-GW12DWD-02	41-GW13D-02
	Laboratory Sample ID:	AB8058	AB8061	9405016-11	9405006-10	9405006-08	9405006-08	9404226-04
	Date Sampled:	08/26/94	08/26/94					04/27/94
	UNITS							
Aluminum	UG/L	40 U	40 U	112 U	112 U	112 U	112 U	112.0 U
Antimony	UG/L	50 U	50 U	10.8 U	13.2 U	22 U	22 U	10.9 UJ
Arsenic	UG/L	2 U	2 U	2.6	2.1 U	2.1 U	2.1 U	2.10 U
Barium	UG/L	20.7	427	68.7	16.3	20.2	20.2	27.1
Beryllium	UG/L	1 U	1 U	0.648 U	0.648 U	0.648 U	0.648 U	0.648 U
Cadmium	UG/L	5 U	5 U	2.11 U	2.11 U	2.11 U	2.11 U	2.11 U
Calcium	UG/L	52100	105000	234000	79300	85700	85700	3940.0
Chromium	UG/L	10 U	10 U	7.89 U	7.89 U	7.89 U	7.89 U	7.89 U
Cobalt	UG/L	10 U	10 U	13.1 U	13.1 U	13.1 U	13.1 U	13.1 U
Copper	UG/L	16.4	16.6	15.9 U	15.9 U	15.9 U	15.9 U	15.9 U
Iron	UG/L	789	24900	1620	36.6 U	36.6 U	36.6 U	111.0 U
Lead	UG/L	2 U	2 U	0.6 U	0.6 U	0.6 U	0.6 U	0.600 U
Magnesium	UG/L	1770	18200	6540	2530	8270	8270	1330.0
Manganese	UG/L	73.8	235	119	123	30.1	30.1	19.5 U
Mercury	UG/L	0.23	0.2 U	0.1 U	0.1 U	0.1 U	0.1 U	0.100 U
Nickel	UG/L	20 U	20 U	22.3 U	22.3 U	22.3 U	22.3 U	22.3 U
Potassium	UG/L	1000 U	29100	2190	1130	14700	14700	742.0
Selenium	UG/L	2 U	2 U	2.62 U	5.95 U	5.45 U	5.45 U	1.50 U
Silver	UG/L	5 U	5 U	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.500 U
Sodium	UG/L	5310	35700	144000	6910	133000	133000	7200.0
Thallium	UG/L	2 U	2 U	3.7 UJ	3.7 UJ	3.7 UJ	3.7 UJ	3.00 UJ
Vanadium	UG/L	10 U	10 U	10.5 U	10.5 U	10.5 U	10.5 U	10.5 U
Zinc	UG/L	11.3	35.7	5.85 U	5.85 U	5.85 U	5.85 U	12.6

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 GROUNDWATER
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 TAL DISSOLVED METALS

Client Sample ID: Laboratory Sample ID: Date Sampled:	MINIMUM NONDETECTED	MAXIMUM NONDETECTED	MINIMUM DETECTED	MAXIMUM DETECTED	LOCATION OF MAXIMUM DETECTED	FREQUENCY OF DETECTION	
	UNITS						
Aluminum	UG/L	40 U	112 U	77.8	245	41-GW09D-02	2/18
Antimony	UG/L	5.5 U	50 U	7.3	19.3	41-GW06DWD-02	2/18
Arsenic	UG/L	2 U	2.1 U	2.36	10.2	41-GW04D-02	3/18
Barium	UG/L	9.2 U	9.24 U	11.9	427	41-GW11D-03	16/18
Beryllium	UG/L	0.648 U	1 U	ND	ND		0/18
Cadmium	UG/L	2.11 U	5 U	ND	ND		0/18
Calcium	UG/L	NA	NA	1970	234000	41-GW11DWD-02	18/18
Chromium	UG/L	7.89 U	10 U	ND	ND		0/18
Cobalt	UG/L	10 U	13.1 U	ND	ND		0/18
Copper	UG/L	15.9 U	15.9 U	10.1	25.3	41-GW07D-03	4/18
Iron	UG/L	36.6 U	111 U	298	29500	41-GW04D-02	6/18
Lead	UG/L	0.6 U	2 U	ND	ND		0/18
Magnesium	UG/L	NA	NA	829	21200	41-GW02D-03	18/18
Manganese	UG/L	10 U	25.9 U	25.3	352	41-GW02D-03	11/18
Mercury	UG/L	0.1 U	0.2 U	0.23	0.23	41-GW10D-03	2/18
Nickel	UG/L	20 U	22.3 U	ND	ND		0/18
Potassium	UG/L	243 U	1000 U	524	29100	41-GW11D-03	16/18
Selenium	UG/L	1.5 U	7.78 U	1.91 J	1.91 J	41-GW03D-02	1/18
Silver	UG/L	0.4 U	5 U	ND	ND		0/18
Sodium	UG/L	NA	NA	4260	144000	41-GW11DWD-02	18/18
Thallium	UG/L	2 U	3.7 UJ	ND	ND		0/18
Vanadium	UG/L	10 U	10.5 U	ND	ND		0/18
Zinc	UG/L	5.85 U	5.85 U	11.3	86.8	41-GW07D-03	5/18

APPENDIX O.8
SITE 41 SHALLOW GROUNDWATER ORGANICS

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 SHALLOW GROUNDWATER
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-GW01-01	41-GW02-01	41-GW03-01	41-GW04-01	41-GW05-01	41-GW07-01
Laboratory Sample ID:	9402122-01	9402119-01	9402121-01	9402121-03	9402122-03	9402152-01A
Date Sampled:	02/14/94	02/14/94	02/14/94	02/15/94	02/14/94	
	UNITS					
SEMIVOLATILES						
1,2-Dichlorobenzene	UG/L	12.0 U	12.0 U	12.0 U	13.0 U	14.1 U
1,2,4-Trichlorobenzene	UG/L	12.0 U	12.0 U	12.0 U	13.0 U	14.1 U
1,3-Dichlorobenzene	UG/L	12.0 U	12.0 U	12.0 U	13.0 U	14.1 U
1,4-Dichlorobenzene	UG/L	12.0 U	12.0 U	12.0 U	13.0 U	14.1 U
2-Chloronaphthalene	UG/L	12.0 U	12.0 U	12.0 U	13.0 U	14.1 U
2-Chlorophenol	UG/L	12.0 U	12.0 U	12.0 U	13.0 U	14.1 U
2-Methylnaphthalene	UG/L	12.0 U	12.0 U	12.0 U	13.0 U	14.1 U
2-Methylphenol	UG/L	12.0 U	12.0 U	12.0 U	13.0 U	14.1 U
2-Nitroaniline	UG/L	30.0 U	30.0 U	30.0 U	32.5 U	35.2 U
2-Nitrophenol	UG/L	12.0 U	12.0 U	12.0 U	13.0 U	14.1 U
2,2'-oxybis-(1-chloropropane)	UG/L	12.0 U	12.0 U	12.0 U	13.0 U	14.1 U
2,4-Dichlorophenol	UG/L	12.0 U	12.0 U	12.0 U	13.0 U	14.1 U
2,4-Dimethylphenol	UG/L	12.0 U	12.0 U	12.0 U	13.0 U	14.1 U
2,4-Dinitrophenol	UG/L	30.0 U	30.0 U	30.0 U	32.5 U	35.2 U
2,4-Dinitrotoluene	UG/L	12.0 U	12.0 U	12.0 U	13.0 U	14.1 U
2,4,5-Trichlorophenol	UG/L	30.0 U	30.0 U	30.0 U	32.5 U	35.2 U
2,4,6-Trichlorophenol	UG/L	12.0 U	12.0 U	12.0 U	13.0 U	14.1 U
2,6-Dinitrotoluene	UG/L	12.0 U	12.0 U	12.0 U	13.0 U	14.1 U
3-Nitroaniline	UG/L	30.0 UJ	30.0 UJ	30.0 UJ	32.5 UJ	35.2 U
3,3'-Dichlorobenzidine	UG/L	12.0 U	12.0 U	12.0 U	13.0 U	14.1 U
4-Bromophenyl-phenylether	UG/L	12.0 U	12.0 U	12.0 U	13.0 U	14.1 U
4-Chloro-3-methylphenol	UG/L	12.0 U	12.0 U	12.0 U	13.0 U	14.1 U
4-Chloroaniline	UG/L	12.0 U	12.0 U	12.0 U	13.0 U	14.1 U
4-Chlorophenyl phenyl ether	UG/L	12.0 U	12.0 U	12.0 U	13.0 U	14.1 U
4-Methylphenol	UG/L	12.0 U	12.0 U	12.0 U	13.0 U	14.1 U
4-Nitroaniline	UG/L	30.0 U	30.0 U	30.0 U	32.5 U	35.2 U
4-Nitrophenol	UG/L	30.0 U	30.0 U	30.0 U	32.5 U	35.2 U
4,6-Dinitro-2-methylphenol	UG/L	30.0 U	30.0 U	30.0 U	32.5 U	35.2 U
Acenaphthene	UG/L	12.0 U	12.0 U	12.0 U	13.0 U	14.1 U
Acenaphthylene	UG/L	12.0 U	12.0 U	12.0 U	13.0 U	14.1 U
Anthracene	UG/L	12.0 U	12.0 U	12.0 U	13.0 U	14.1 U
Benzo[a]anthracene	UG/L	12.0 U	12.0 U	12.0 U	13.0 U	14.1 U
Benzo[a]pyrene	UG/L	12.0 U	12.0 U	12.0 U	13.0 U	14.1 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 SHALLOW GROUNDWATER
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-GW01-01	41-GW02-01	41-GW03-01	41-GW04-01	41-GW05-01	41-GW07-01
Laboratory Sample ID:	9402122-01	9402119-01	9402121-01	9402121-03	9402122-03	9402152-01A
Date Sampled:	02/14/94	02/14/94	02/14/94	02/15/94	02/14/94	

UNITS

SEMIVOLATILES Cont.

Benzo[b]fluoranthene	UG/L	12.0 U	12.0 U	12.0 U	13.0 U	12.0 U	14.1 U
Benzo[g,h,i]perylene	UG/L	12.0 U	12.0 U	12.0 U	13.0 U	12.0 U	14.1 U
Benzo[k]fluoranthene	UG/L	12.0 U	12.0 U	12.0 U	13.0 U	12.0 U	14.1 U
bis(2-Chloroethoxy) methane	UG/L	12.0 U	12.0 U	12.0 U	13.0 U	12.0 U	14.1 U
bis(2-Chloroethyl) ether	UG/L	12.0 U	12.0 U	12.0 U	13.0 U	12.0 U	14.1 U
bis(2-Ethylhexyl)phthalate	UG/L	12.0 U	12.0 U	12.0 U	13.0 U	12.0 U	14.1 U
Butyl benzyl phthalate	UG/L	12.0 U	12.0 U	12.0 U	13.0 U	12.0 U	14.1 U
Carbazole	UG/L	12.0 U	12.0 U	12.0 U	13.0 U	12.0 U	14.1 U
Chrysene	UG/L	12.0 U	12.0 U	12.0 U	13.0 U	12.0 U	14.1 U
Dibenzofuran	UG/L	12.0 U	12.0 U	12.0 U	13.0 U	12.0 U	14.1 U
Dibenz[a,h]anthracene	UG/L	12.0 U	12.0 U	12.0 U	13.0 U	12.0 U	14.1 U
Diethylphthalate	UG/L	12.0 U	12.0 U	12.0 U	13.0 U	12.0 U	14.1 U
Dimethyl phthalate	UG/L	12.0 U	12.0 U	12.0 U	13.0 U	12.0 U	14.1 U
di-n-Butylphthalate	UG/L	12.0 U	12.0 U	2.00 J	2.00 J	12.0 U	14.1 U
di-n-Octylphthalate	UG/L	12.0 U	12.0 U	12.0 U	13.0 U	12.0 U	14.1 U
Fluoranthene	UG/L	12.0 U	12.0 U	12.0 U	13.0 U	12.0 U	14.1 U
Fluorene	UG/L	12.0 U	12.0 U	12.0 U	13.0 U	12.0 U	14.1 U
Hexachlorobenzene	UG/L	12.0 U	12.0 U	12.0 U	13.0 U	12.0 U	14.1 U
Hexachlorobutadiene	UG/L	12.0 U	12.0 U	12.0 U	13.0 U	12.0 U	14.1 U
Hexachlorocyclopentadiene	UG/L	12.0 U	12.0 U	12.0 U	13.0 U	12.0 U	14.1 U
Hexachloroethane	UG/L	12.0 U	12.0 U	12.0 U	13.0 U	12.0 U	14.1 U
Indeno[1,2,3-cd]pyrene	UG/L	12.0 U	12.0 U	12.0 U	13.0 U	12.0 U	14.1 U
Isophorone	UG/L	12.0 U	12.0 U	12.0 U	13.0 U	12.0 U	14.1 U
Naphthalene	UG/L	12.0 U	12.0 U	12.0 U	13.0 U	12.0 U	14.1 U
Nitrobenzene	UG/L	12.0 U	12.0 U	12.0 U	13.0 U	12.0 U	14.1 U
N-Nitroso-di-n-propylamine	UG/L	12.0 U	12.0 U	12.0 U	13.0 U	12.0 U	14.1 U
N-nitrosodiphenylamine	UG/L	12.0 U	12.0 U	12.0 U	13.0 U	12.0 U	14.1 U
Pentachlorophenol	UG/L	30.0 U	30.0 U	30.0 U	32.5 U	30.0 U	35.2 U
Phenanthrene	UG/L	12.0 U	12.0 U	12.0 U	13.0 U	12.0 U	14.1 U
Phenol	UG/L	12.0 U	12.0 U	12.0 U	13.0 U	12.0 U	14.1 U
Pyrene	UG/L	12.0 U	12.0 U	12.0 U	13.0 U	12.0 U	14.1 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 SHALLOW GROUNDWATER
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-GW01-01	41-GW02-01	41-GW03-01	41-GW04-01	41-GW05-01	41-GW07-01
Laboratory Sample ID:	9402122-01	9402119-01	9402121-01	9402121-03	9402122-03	9402152-01A
Date Sampled:	02/14/94	02/14/94	02/14/94	02/15/94	02/14/94	
	UNITS					
VOLATILES						
Chloromethane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10 U
Bromomethane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10 U
Vinyl chloride	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10 U
Chloroethane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10 U
Methylene chloride	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10 U
Acetone	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10 U
Carbon Disulfide	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10 U
1,1-Dichloroethene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10 U
1,1-Dichloroethane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10 U
1,2-Dichloroethene(total)	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10 U
Chloroform	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10 U
1,2-Dichloroethane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10 U
2-Butanone	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10 U
1,1,1-Trichloroethane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10 U
Carbon tetrachloride	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10 U
Bromodichloromethane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10 U
1,2-Dichloropropane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10 U
cis-1,3-Dichloropropene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10 U
Trichloroethene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10 U
Dibromochloromethane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10 U
1,1,2-Trichloroethane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10 U
Benzene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10 U
trans-1,3-Dichloropropene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10 U
Bromoform	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10 U
4-Methyl-2-pentanone	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10 U
2-Hexanone	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10 U
Tetrachloroethene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10 U
1,1,2,2-Tetrachloroethane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10 U
Toluene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10 U
Chlorobenzene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10 U
Ethylbenzene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10 U
Styrene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10 U
Xylenes (total)	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 SHALLOW GROUNDWATER
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-GW01-01	41-GW02-01	41-GW03-01	41-GW04-01	41-GW05-01	41-GW07-01
Laboratory Sample ID:	9402122-01	9402119-01	9402121-01	9402121-03	9402122-03	9402152-01A
Date Sampled:	02/14/94	02/14/94	02/14/94	02/15/94	02/14/94	

	UNITS						
PESTICIDE/PCBS							
alpha-BHC	UG/L	0.056 UJ	0.055 UJ	0.100 UJ	0.061 UJ	0.060 UJ	0.066 UJ
beta-BHC	UG/L	0.056 U	0.040 J	0.100 U	0.061 UJ	0.060 U	0.066 UJ
delta-BHC	UG/L	0.056 UJ	0.055 UJ	0.100 UJ	0.061 UJ	0.060 UJ	0.066 UJ
Lindane (gamma-BHC)	UG/L	0.056 U	0.055 UJ	0.100 U	0.061 UJ	0.060 U	0.066 UJ
Heptachlor	UG/L	0.056 U	0.060 UJ	0.100 U	0.060 UJ	0.060 U	0.066 UJ
Aldrin	UG/L	0.056 U	0.055 UJ	0.100 U	0.061 UJ	0.060 U	0.066 UJ
Heptachlor epoxide	UG/L	0.056 U	0.055 UJ	0.100 U	0.061 UJ	0.060 U	0.066 UJ
Endosulfan I	UG/L	0.056 U	0.055 UJ	0.100 U	0.061 UJ	0.060 U	0.066 UJ
Dieldrin	UG/L	0.111 U	0.110 UJ	0.200 U	0.122 UJ	0.119 U	0.132 UJ
4,4'-DDE	UG/L	0.111 U	0.110 UJ	0.200 U	0.122 UJ	0.119 U	0.132 UJ
Endrin	UG/L	0.111 U	0.110 UJ	0.200 U	0.122 UJ	0.119 U	0.132 UJ
Endosulfan II	UG/L	0.111 U	0.110 UJ	0.200 U	0.122 UJ	0.119 U	0.132 UJ
4,4'-DDD	UG/L	0.111 U	0.110 UJ	0.200 U	0.122 UJ	0.119 U	0.132 UJ
Endosulfan sulfate	UG/L	0.111 U	0.110 UJ	0.200 U	0.122 UJ	0.119 U	0.132 UJ
4,4'-DDT	UG/L	0.111 U	0.110 UJ	0.200 U	0.122 UJ	0.119 U	0.132 UJ
Methoxychlor	UG/L	0.556 U	0.549 UJ	1.00 U	0.610 UJ	0.595 U	0.658 UJ
Endrin ketone	UG/L	0.111 U	0.110 UJ	0.200 U	0.122 UJ	0.119 U	0.132 UJ
Endrin aldehyde	UG/L	0.111 U	0.110 UJ	0.200 U	0.122 UJ	0.119 U	0.132 UJ
alpha-Chlordane	UG/L	0.056 U	0.055 UJ	0.100 U	0.061 UJ	0.060 U	0.066 UJ
gamma-Chlordane	UG/L	0.056 U	0.055 UJ	0.100 U	0.061 UJ	0.060 U	0.066 UJ
Toxaphene	UG/L	5.56 U	5.49 UJ	10.0 U	6.10 UJ	5.95 U	6.58 UJ
Aroclor 1016	UG/L	1.11 U	1.10 UJ	2.00 U	1.22 UJ	1.19 U	1.32 UJ
Aroclor 1221	UG/L	2.22 U	2.20 UJ	4.00 U	2.44 UJ	2.38 U	2.63 UJ
Aroclor 1232	UG/L	1.11 U	1.10 UJ	2.00 U	1.22 UJ	1.19 U	1.32 UJ
Aroclor 1242	UG/L	1.11 U	1.10 UJ	2.00 U	1.22 UJ	1.19 U	1.32 UJ
Aroclor 1248	UG/L	1.11 U	1.10 UJ	2.00 U	1.22 UJ	1.19 U	1.32 UJ
Aroclor 1254	UG/L	1.11 U	1.10 UJ	2.00 U	1.22 UJ	1.19 U	1.32 UJ
Aroclor 1260	UG/L	1.11 U	1.10 UJ	2.00 U	1.22 UJ	1.19 U	1.32 UJ

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 SHALLOW GROUNDWATER
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-GW01-01	41-GW02-01	41-GW03-01	41-GW04-01	41-GW05-01	41-GW07-01
Laboratory Sample ID:	9402122-01	9402119-01	9402121-01	9402121-03	9402122-03	9402152-01A
Date Sampled:	02/14/94	02/14/94	02/14/94	02/15/94	02/14/94	

UNITS

CHEMICAL SURETY

Acetophenone	UG/L	12.0 U	12.0 U	12.0 U	13.0 U	12.0 U	14.1 U
Chloroacetophenone	UG/L	12.0 U	12.0 U	12.0 U	13.0 U	12.0 U	14.1 U
Hydroxyacetophenone	UG/L	60.0 U	60.0 U	60.0 U	65.0 U	60.0 U	70.4 U
Bis(2'-chloroethyl)disulfide	UG/L	60.0 U	60.0 U	60.0 U	65.0 U	60.0 U	70.4 U
Bis(2'-chloroethyl)trisulfide	UG/L	60.0 U	60.0 U	60.0 U	65.0 U	60.0 U	70.4 U
1,4-Dithiane	UG/L	12.0 U	12.0 U	12.0 U	13.0 U	12.0 U	14.1 U
1,4-Oxathiane	UG/L	12.0 U	12.0 U	12.0 U	13.0 U	12.0 U	14.1 U

THIODIGLYCOL

Thiodiglycol	UG/L	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U	25 U
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ORDNANCE

1,3,5-Trinitrobenzene		0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.5 U
1,3-Dinitrobenzene		0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.5 U
2,4,6-Trinitrotoluene		0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.5 U
2,4-Dinitrotoluene		0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.5 U
2,6-Dinitrotoluene		0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.5 U
2-Amino-4,6-dinitrotoluene		0.030 U	0.030 U	0.030 U	0.030 U	0.030 U	0.03 U
2-Nitrotoluene		0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.5 U
3-Nitrotoluene		0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.5 U
4-Amino-2,6-dinitrotoluene		0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.02 U
4-Nitrotoluene		0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.5 U
HMX		1.25 U	1.25 U	1.25 U	1.25 U	1.25 U	1.25 U
Nitrobenzene		0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.5 U
RDX		0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.5 U
Tetryl		0.500 UJ	0.500 UJ	0.500 UJ	0.500 UJ	0.500 UJ	0.5 U

MIREX

Mirex		60.0 U	60.0 U	60.0 U	65.0 U	60.0 U	70.4 U
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FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 SHALLOW GROUNDWATER
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-GW08-01	41-GW09-01	41-GW10-01	41-GW11-01	41-GW12-01	41-GW13-01
Laboratory Sample ID:	9402157-05A	9402161-01A	9402161-03A	9402165-01	9402157-01A	9402157-03A
Date Sampled:						

	UNITS						
<u>SEMIVOLATILES</u>							
1,2-Dichlorobenzene	UG/L	20 U	13.2 U	12.4 U	12.5 U	11.4 U	11.8 U
1,2,4-Trichlorobenzene	UG/L	20 U	13.2 U	12.4 U	12.5 U	11.4 U	11.8 U
1,3-Dichlorobenzene	UG/L	20 U	13.2 U	12.4 U	12.5 U	11.4 U	11.8 U
1,4-Dichlorobenzene	UG/L	20 U	13.2 U	12.4 U	12.5 U	11.4 U	11.8 U
2-Chloronaphthalene	UG/L	20 U	13.2 U	12.4 U	12.5 U	11.4 U	11.8 U
2-Chlorophenol	UG/L	20 U	13.2 U	12.4 U	12.5 U	11.4 U	11.8 U
2-Methylnaphthalene	UG/L	20 U	13.2 U	12.4 U	12.5 U	11.4 U	11.8 U
2-Methylphenol	UG/L	20 U	13.2 U	12.4 U	12.5 U	11.4 U	11.8 U
2-Nitroaniline	UG/L	50 U	32.9 U	30.9 U	31.2 U	28.4 U	29.4 U
2-Nitrophenol	UG/L	20 U	13.2 U	12.4 U	12.5 U	11.4 U	11.8 U
2,2-oxybis-(1-chloropropane)	UG/L	20 U	13.2 U	12.4 U	12.5 U	11.4 U	11.8 U
2,4-Dichlorophenol	UG/L	20 U	13.2 U	12.4 U	12.5 U	11.4 U	11.8 U
2,4-Dimethylphenol	UG/L	20 U	13.2 U	12.4 U	12.5 U	11.4 U	11.8 U
2,4-Dinitrophenol	UG/L	50 U	32.9 U	30.9 U	31.2 U	28.4 U	29.4 U
2,4-Dinitrotoluene	UG/L	20 U	13.2 U	12.4 U	12.5 U	11.4 U	11.8 U
2,4,5-Trichlorophenol	UG/L	50 U	32.9 U	30.9 U	31.2 U	28.4 U	29.4 U
2,4,6-Trichlorophenol	UG/L	20 U	13.2 U	12.4 U	12.5 U	11.4 U	11.8 U
2,6-Dinitrotoluene	UG/L	20 U	13.2 U	12.4 U	12.5 U	11.4 U	11.8 U
3-Nitroaniline	UG/L	50 U	32.9 U	30.9 U	31.2 U	28.4 U	29.4 U
3,3'-Dichlorobenzidine	UG/L	20 U	13.2 U	12.4 U	12.5 U	11.4 U	11.8 U
4-Bromophenyl-phenylether	UG/L	20 U	13.2 U	12.4 U	12.5 U	11.4 U	11.8 U
4-Chloro-3-methylphenol	UG/L	20 U	13.2 U	12.4 U	12.5 U	11.4 U	11.8 U
4-Chloroaniline	UG/L	20 U	13.2 U	12.4 U	12.5 U	11.4 U	11.8 U
4-Chlorophenyl phenyl ether	UG/L	20 U	13.2 U	12.4 U	12.5 U	11.4 U	11.8 U
4-Methylphenol	UG/L	20 U	13.2 U	12.4 U	12.5 U	11.4 U	11.8 U
4-Nitroaniline	UG/L	50 U	32.9 U	30.9 U	31.2 U	28.4 U	29.4 U
4-Nitrophenol	UG/L	50 U	32.9 U	30.9 U	31.2 U	28.4 U	29.4 U
4,6-Dinitro-2-methylphenol	UG/L	50 U	32.9 U	30.9 U	31.2 U	28.4 U	29.4 U
Acenaphthene	UG/L	20 U	13.2 U	12.4 U	12.5 U	11.4 U	11.8 U
Acenaphthylene	UG/L	20 U	13.2 U	12.4 U	12.5 U	11.4 U	11.8 U
Anthracene	UG/L	20 U	13.2 U	12.4 U	12.5 U	11.4 U	11.8 U
Benzof[<i>a</i>]anthracene	UG/L	20 U	13.2 U	12.4 U	12.5 U	11.4 U	11.8 U
Benzof[<i>a</i>]pyrene	UG/L	20 U	13.2 U	12.4 U	12.5 U	11.4 U	11.8 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 SHALLOW GROUNDWATER
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-GW08-01	41-GW09-01	41-GW10-01	41-GW11-01	41-GW12-01	41-GW13-01
Laboratory Sample ID:	9402157-05A	9402161-01A	9402161-03A	9402165-01	9402157-01A	9402157-03A
Date Sampled:						

UNITS

SEMIVOLATILES Cont.

Benzo[b]fluoranthene	UG/L	20 U	13.2 U	12.4 U	12.5 U	11.4 U	11.8 U
Benzo[g,h,i]perylene	UG/L	20 U	13.2 U	12.4 U	12.5 U	11.4 U	11.8 U
Benzo[k]fluoranthene	UG/L	20 U	13.2 U	12.4 U	12.5 U	11.4 U	11.8 U
bis(2-Chloroethoxy) methane	UG/L	20 U	13.2 U	12.4 U	12.5 U	11.4 U	11.8 U
bis(2-Chloroethyl) ether	UG/L	20 U	13.2 U	12.4 U	12.5 U	11.4 U	11.8 U
bis(2-Ethylhexyl)phthalate	UG/L	20 U	13.2 U	12.4 U	12.5 U	11.4 U	1 J
Butyl benzyl phthalate	UG/L	20 U	13.2 U	12.4 U	12.5 U	11.4 U	11.8 U
Carbazole	UG/L	20 U	13.2 U	12.4 U	12.5 U	11.4 U	11.8 U
Chrysene	UG/L	20 U	13.2 U	12.4 U	12.5 U	11.4 U	11.8 U
Dibenzofuran	UG/L	20 U	13.2 U	12.4 U	12.5 U	11.4 U	11.8 U
Dibenz[a,h]anthracene	UG/L	20 U	13.2 U	12.4 U	12.5 U	11.4 U	11.8 U
Diethylphthalate	UG/L	20 U	13.2 U	12.4 U	12.5 U	11.4 U	11.8 U
Dimethyl phthalate	UG/L	20 U	13.2 U	12.4 U	12.5 U	11.4 U	11.8 U
di-n-Butylphthalate	UG/L	20 U	13 U	12.4 U	12 U	11.4 U	1 J
di-n-Octylphthalate	UG/L	20 U	13.2 U	12.4 U	12.5 U	11.4 U	11.8 U
Fluoranthene	UG/L	20 U	13.2 U	12.4 U	12.5 U	11.4 U	11.8 U
Fluorene	UG/L	20 U	13.2 U	12.4 U	12.5 U	11.4 U	11.8 U
Hexachlorobenzene	UG/L	20 U	13.2 U	12.4 U	12.5 U	11.4 U	11.8 U
Hexachlorobutadiene	UG/L	20 U	13.2 U	12.4 U	12.5 U	11.4 U	11.8 U
Hexachlorocyclopentadiene	UG/L	20 U	13.2 U	12.4 U	12.5 U	11.4 U	11.8 U
Hexachloroethane	UG/L	20 U	13.2 U	12.4 U	12.5 U	11.4 U	11.8 U
Indeno[1,2,3-cd]pyrene	UG/L	20 U	13.2 U	12.4 U	12.5 U	11.4 U	11.8 U
Isophorone	UG/L	20 U	13.2 U	12.4 U	12.5 U	11.4 U	11.8 U
Naphthalene	UG/L	20 U	13.2 U	12.4 U	3 J	11.4 U	11.8 U
Nitrobenzene	UG/L	20 U	13.2 U	12.4 U	12.5 U	11.4 U	11.8 U
N-Nitroso-di-n-propylamine	UG/L	20 U	13.2 U	12.4 U	12.5 U	11.4 U	11.8 U
N-nitrosodiphenylamine	UG/L	20 U	13.2 U	12.4 U	12.5 U	11.4 U	11.8 U
Pentachlorophenol	UG/L	50 U	32.9 U	30.9 U	31.2 U	28.4 U	29.4 U
Phenanthrene	UG/L	20 U	13.2 U	12.4 U	12.5 U	11.4 U	11.8 U
Phenol	UG/L	20 U	13.2 U	12.4 U	12.5 U	11.4 U	11.8 U
Pyrene	UG/L	20 U	13.2 U	12.4 U	12.5 U	11.4 U	11.8 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 SHALLOW GROUNDWATER
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-GW08-01	41-GW09-01	41-GW10-01	41-GW11-01	41-GW12-01	41-GW13-01
Laboratory Sample ID:	9402157-05A	9402161-01A	9402161-03A	9402165-01	9402157-01A	9402157-03A
Date Sampled:						

UNITS

VOLATILES

Chloromethane	UG/L	10 U	10 U	10 U	10 U	10 U
Bromomethane	UG/L	10 U	10 U	10 U	10 U	10 U
Vinyl chloride	UG/L	10 U	10 U	10 U	10 U	10 U
Chloroethane	UG/L	10 U	10 U	10 U	10 U	10 U
Methylene chloride	UG/L	10 U	10 U	10 U	10 U	10 U
Acetone	UG/L	10 UJ	10 UJ	10 UJ	10 U	12.2 UJ
Carbon Disulfide	UG/L	10 U	10 U	10 U	10 U	10 U
1,1-Dichloroethene	UG/L	10 U	10 U	10 U	10 U	10 U
1,1-Dichloroethane	UG/L	10 U	10 U	10 U	10 U	10 U
1,2-Dichloroethene(total)	UG/L	10 U	10 U	10 U	10 U	10 U
Chloroform	UG/L	10 U	1.36 J	3.17 J	10 U	10 U
1,2-Dichloroethane	UG/L	10 U	10 U	10 U	10 U	10 U
2-Butanone	UG/L	10 U	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane	UG/L	10 U	10 U	10 U	10 U	10 U
Carbon tetrachloride	UG/L	10 U	10 U	10 U	10 U	10 U
Bromodichloromethane	UG/L	10 U	1.05 J	10 U	10 U	10 U
1,2-Dichloropropane	UG/L	10 U	10 U	10 U	10 U	10 U
cis-1,3-Dichloropropene	UG/L	10 U	10 U	10 U	10 U	10 U
Trichloroethene	UG/L	10 U	10 U	10 U	10 U	10 U
Dibromochloromethane	UG/L	10 U	1.95 J	10 U	10 U	10 U
1,1,2-Trichloroethane	UG/L	10 U	10 U	10 U	10 U	10 U
Benzene	UG/L	10 U	10 U	10 U	2.67 J	10 U
trans-1,3-Dichloropropene	UG/L	10 U	10 U	10 U	10 U	10 U
Bromoform	UG/L	10 U	1.33 J	10 U	10 U	10 U
4-Methyl-2-pentanone	UG/L	10 U	10 U	10 U	10 U	10 U
2-Hexanone	UG/L	10 U	10 U	10 U	10 U	10 U
Tetrachloroethene	UG/L	10 U	10 U	10 U	10 U	10 U
1,1,2,2-Tetrachloroethane	UG/L	10 U	10 U	10 U	10 U	10 U
Toluene	UG/L	10 U	10 U	10 U	10 U	10 U
Chlorobenzene	UG/L	10 U	10 U	10 U	1.49 J	10 U
Ethylbenzene	UG/L	10 U	10 U	10 U	10 U	10 U
Styrene	UG/L	10 U	10 U	10 U	10 U	10 U
Xylenes (total)	UG/L	10 U	10 U	10 U	10 U	10 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 SHALLOW GROUNDWATER
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-GW08-01	41-GW09-01	41-GW10-01	41-GW11-01	41-GW12-01	41-GW13-01
Laboratory Sample ID:	9402157-05A	9402161-01A	9402161-03A	9402165-01	9402157-01A	9402157-03A
Date Sampled:						

	<u>UNITS</u>					
<u>PESTICIDE/PCBS</u>						
alpha-BHC	UG/L	0.063 UJ	0.01 J	0.059 UJ	0.06 UJ	0.068 UJ
beta-BHC	UG/L	0.063 UJ	0.08 J	0.059 UJ	0.06 UJ	0.068 UJ
delta-BHC	UG/L	0.063 UJ	0.062 UJ	0.059 UJ	0.06 UJ	0.068 UJ
Lindane (gamma-BHC)	UG/L	0.063 UJ	0.062 U	0.059 UJ	0.06 UJ	0.068 UJ
Heptachlor	UG/L	0.063 UJ	0.062 U	0.06 UJ	0.06 UJ	0.068 UJ
Aldrin	UG/L	0.063 UJ	0.062 U	0.059 UJ	0.06 UJ	0.068 UJ
Heptachlor epoxide	UG/L	0.063 UJ	0.062 U	0.059 UJ	0.06 UJ	0.068 UJ
Endosulfan I	UG/L	0.063 UJ	0.062 U	0.059 UJ	0.06 UJ	0.068 UJ
Dieldrin	UG/L	0.126 UJ	0.125 U	0.118 UJ	0.119 UJ	0.137 UJ
4,4'-DDE	UG/L	0.126 UJ	0.125 U	0.118 UJ	0.119 UJ	0.137 UJ
Endrin	UG/L	0.126 UJ	0.125 U	0.118 UJ	0.119 UJ	0.137 UJ
Endosulfan II	UG/L	0.126 UJ	0.125 U	0.118 UJ	0.119 UJ	0.137 UJ
4,4'-DDD	UG/L	0.126 UJ	0.125 U	0.118 UJ	0.01 NJ	0.137 UJ
Endosulfan sulfate	UG/L	0.126 UJ	0.125 U	0.118 UJ	0.119 UJ	0.137 UJ
4,4'-DDT	UG/L	0.126 UJ	0.125 U	0.118 UJ	0.119 UJ	0.137 UJ
Methoxychlor	UG/L	0.633 UJ	0.625 U	0.588 UJ	0.595 UJ	0.685 UJ
Endrin ketone	UG/L	0.126 UJ	0.125 U	0.118 UJ	0.119 UJ	0.137 UJ
Endrin aldehyde	UG/L	0.126 UJ	0.125 U	0.118 UJ	0.119 UJ	0.137 UJ
alpha-Chlordane	UG/L	0.063 UJ	0.062 U	0.059 UJ	0.06 UJ	0.068 UJ
gamma-Chlordane	UG/L	0.063 UJ	0.062 U	0.059 UJ	0.06 UJ	0.068 UJ
Toxaphene	UG/L	6.33 UJ	6.25 U	5.88 UJ	5.95 UJ	6.85 UJ
Aroclor 1016	UG/L	1.26 UJ	1.25 U	1.18 UJ	1.19 UJ	1.37 UJ
Aroclor 1221	UG/L	2.53 UJ	2.5 U	2.35 UJ	2.38 UJ	2.74 UJ
Aroclor 1232	UG/L	1.26 UJ	1.25 U	1.18 UJ	1.19 UJ	1.37 UJ
Aroclor 1242	UG/L	1.26 UJ	1.25 U	1.18 UJ	1.19 UJ	1.37 UJ
Aroclor 1248	UG/L	1.26 UJ	1.25 U	1.18 UJ	1.19 UJ	1.37 UJ
Aroclor 1254	UG/L	1.26 UJ	1.25 U	1.18 UJ	1.19 UJ	1.37 UJ
Aroclor 1260	UG/L	1.26 UJ	1.25 U	1.18 UJ	1.19 UJ	1.37 UJ

FREQUENCY OF DETECTION SUMMARY
OPERABLE UNIT NO. 4 (SITE 41)
SHALLOW GROUNDWATER
MCB CAMP LEJEUNE, NORTH CAROLINA
REMEDIAL INVESTIGATION - CTO-0212
ORGANICS

Client Sample ID:	41-GW08-01	41-GW09-01	41-GW10-01	41-GW11-01	41-GW12-01	41-GW13-01
Laboratory Sample ID:	9402157-05A	9402161-01A	9402161-03A	9402165-01	9402157-01A	9402157-03A
Date Sampled:						
	UNITS					
CHEMICAL SURETY						
Acetophenone	UG/L	20 U	13.2 U	12.4 U	12.5 U	11.4 U
Chloroacetophenone	UG/L	20 U	13.2 U	12.4 U	12.5 U	11.4 U
Hydroxyacetophenone	UG/L	100 U	65.8 U	61.8 U	62.5 U	56.8 U
Bis(2'-chloroethyl)disulfide	UG/L	100 U	65.8 U	61.8 U	62.5 U	56.8 U
Bis(2'-chloroethyl)trisulfide	UG/L	100 U	65.8 U	61.8 U	62.5 U	56.8 U
1,4-Dithiane	UG/L	20 U	13.2 U	12.4 U	12.5 U	11.4 U
1,4-Oxathiane	UG/L	20 U	13.2 U	12.4 U	12.5 U	11.4 U
THIODIGLYCOL						
Thiodiglycol	UG/L	25 U	25 U	25 U	25 U	25 U
ORDNANCE						
1,3,5-Trinitrobenzene		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dinitrobenzene		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2,4,6-Trinitrotoluene		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2,4-Dinitrotoluene		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2,6-Dinitrotoluene		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-Amino-4,6-dinitrotoluene		0.03 U	0.03 U	0.03 U	0.03 U	0.03 U
2-Nitrotoluene		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
3-Nitrotoluene		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
4-Amino-2,6-dinitrotoluene		0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
4-Nitrotoluene		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
HMX		1.25 U	1.25 U	1.25 U	1.25 U	1.25 U
Nitrobenzene		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
RDX		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetryl		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
MIREX						
Mirex		100 U	65.8 U	61.8 U	62.5 U	56.8 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 SHALLOW GROUNDWATER
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID: Laboratory Sample ID: Date Sampled:		MINIMUM NONDETECTED	MAXIMUM NONDETECTED	MINIMUM DETECTED	MAXIMUM DETECTED	LOCATION OF MAXIMUM DETECTED	FREQUENCY OF DETECTION
	UNITS						
	SEMIVOLATILES						
	1,2-Dichlorobenzene	UG/L	11.4 U	20 U	ND	ND	0/12
	1,2,4-Trichlorobenzene	UG/L	11.4 U	20 U	ND	ND	0/12
	1,3-Dichlorobenzene	UG/L	11.4 U	20 U	ND	ND	0/12
	1,4-Dichlorobenzene	UG/L	11.4 U	20 U	ND	ND	0/12
	2-Chloronaphthalene	UG/L	11.4 U	20 U	ND	ND	0/12
	2-Chlorophenol	UG/L	11.4 U	20 U	ND	ND	0/12
	2-Methylnaphthalene	UG/L	11.4 U	20 U	ND	ND	0/12
	2-Methylphenol	UG/L	11.4 U	20 U	ND	ND	0/12
	2-Nitroaniline	UG/L	28.4 U	50 U	ND	ND	0/12
	2-Nitrophenol	UG/L	11.4 U	20 U	ND	ND	0/12
	2,2'-oxybis-(1-chloropropane)	UG/L	11.4 U	20 U	ND	ND	0/12
	2,4-Dichlorophenol	UG/L	11.4 U	20 U	ND	ND	0/12
	2,4-Dimethylphenol	UG/L	11.4 U	20 U	ND	ND	0/12
	2,4-Dinitrophenol	UG/L	28.4 U	50 U	ND	ND	0/12
	2,4-Dinitrotoluene	UG/L	11.4 U	20 U	ND	ND	0/12
	2,4,5-Trichlorophenol	UG/L	28.4 U	50 U	ND	ND	0/12
	2,4,6-Trichlorophenol	UG/L	11.4 U	20 U	ND	ND	0/12
	2,6-Dinitrotoluene	UG/L	11.4 U	20 U	ND	ND	0/12
	3-Nitroaniline	UG/L	28.4 U	50 U	ND	ND	0/12
	3,3'-Dichlorobenzidine	UG/L	11.4 U	20 U	ND	ND	0/12
	4-Bromophenyl-phenylether	UG/L	11.4 U	20 U	ND	ND	0/12
	4-Chloro-3-methylphenol	UG/L	11.4 U	20 U	ND	ND	0/12
	4-Chloroaniline	UG/L	11.4 U	20 U	ND	ND	0/12
	4-Chlorophenyl phenyl ether	UG/L	11.4 U	20 U	ND	ND	0/12
	4-Methylphenol	UG/L	11.4 U	20 U	ND	ND	0/12
	4-Nitroaniline	UG/L	28.4 U	50 U	ND	ND	0/12
	4-Nitrophenol	UG/L	28.4 U	50 U	ND	ND	0/12
	4,6-Dinitro-2-methylphenol	UG/L	28.4 U	50 U	ND	ND	0/12
	Acenaphthene	UG/L	11.4 U	20 U	ND	ND	0/12
	Acenaphthylene	UG/L	11.4 U	20 U	ND	ND	0/12
	Anthracene	UG/L	11.4 U	20 U	ND	ND	0/12
	Benzo[<i>a</i>]anthracene	UG/L	11.4 U	20 U	ND	ND	0/12
	Benzo[<i>a</i>]pyrene	UG/L	11.4 U	20 U	ND	ND	0/12

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 SHALLOW GROUNDWATER
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID: Laboratory Sample ID: Date Sampled:	MINIMUM NONDETECTED	MAXIMUM NONDETECTED	MINIMUM DETECTED	MAXIMUM DETECTED	LOCATION OF MAXIMUM DETECTED	FREQUENCY OF DETECTION
<u>UNITS</u>						
<u>SEMIVOLATILES Cont.</u>						
Benzo[b]fluoranthene	UG/L	11.4 U	20 U	ND	ND	0/12
Benzo[g,h,i]perylene	UG/L	11.4 U	20 U	ND	ND	0/12
Benzo[k]fluoranthene	UG/L	11.4 U	20 U	ND	ND	0/12
bis(2-Chloroethoxy) methane	UG/L	11.4 U	20 U	ND	ND	0/12
bis(2-Chloroethyl) ether	UG/L	11.4 U	20 U	ND	ND	0/12
bis(2-Ethylhexyl)phthalate	UG/L	11.4 U	20 U	1 J	1 J	41-GW13-01 1/12
Butyl benzyl phthalate	UG/L	11.4 U	20 U	ND	ND	0/12
Carbazole	UG/L	11.4 U	20 U	ND	ND	0/12
Chrysene	UG/L	11.4 U	20 U	ND	ND	0/12
Dibenzofuran	UG/L	11.4 U	20 U	ND	ND	0/12
Dibenz[a,h]anthracene	UG/L	11.4 U	20 U	ND	ND	0/12
Diethylphthalate	UG/L	11.4 U	20 U	ND	ND	0/12
Dimethyl phthalate	UG/L	11.4 U	20 U	ND	ND	0/12
di-n-Butylphthalate	UG/L	11.4 U	20 U	1 J	2 J	41-GW04-01 3/12
di-n-Octylphthalate	UG/L	11.4 U	20 U	ND	ND	0/12
Fluoranthene	UG/L	11.4 U	20 U	ND	ND	0/12
Fluorene	UG/L	11.4 U	20 U	ND	ND	0/12
Hexachlorobenzene	UG/L	11.4 U	20 U	ND	ND	0/12
Hexachlorobutadiene	UG/L	11.4 U	20 U	ND	ND	0/12
Hexachlorocyclopentadiene	UG/L	11.4 U	20 U	ND	ND	0/12
Hexachloroethane	UG/L	11.4 U	20 U	ND	ND	0/12
Indeno[1,2,3-cd]pyrene	UG/L	11.4 U	20 U	ND	ND	0/12
Isophorone	UG/L	11.4 U	20 U	ND	ND	0/12
Naphthalene	UG/L	11.4 U	20 U	3 J	3 J	41-GW11-01 1/12
Nitrobenzene	UG/L	11.4 U	20 U	ND	ND	0/12
N-Nitroso-di-n-propylamine	UG/L	11.4 U	20 U	ND	ND	0/12
N-nitrosodiphenylamine	UG/L	11.4 U	20 U	ND	ND	0/12
Pentachlorophenol	UG/L	28.4 U	50 U	ND	ND	0/12
Phenanthrene	UG/L	11.4 U	20 U	ND	ND	0/12
Phenol	UG/L	11.4 U	20 U	ND	ND	0/12
Pyrene	UG/L	11.4 U	20 U	ND	ND	0/12

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 SHALLOW GROUNDWATER
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID: Laboratory Sample ID: Date Sampled:	MINIMUM NONDETECTED	MAXIMUM NONDETECTED	MINIMUM DETECTED	MAXIMUM DETECTED	LOCATION OF MAXIMUM DETECTED	FREQUENCY OF DETECTION
	<u>UNITS</u>					
	<u>VOLATILES</u>					
Chloromethane	UG/L	10 U	10 U	ND	ND	0/12
Bromomethane	UG/L	10 U	10 U	ND	ND	0/12
Vinyl chloride	UG/L	10 U	10 U	ND	ND	0/12
Chloroethane	UG/L	10 U	10 U	ND	ND	0/12
Methylene chloride	UG/L	10 U	10 U	ND	ND	0/12
Acetone	UG/L	10 U	12.2 UJ	ND	ND	0/12
Carbon Disulfide	UG/L	10 U	10 U	ND	ND	0/12
1,1-Dichloroethene	UG/L	10 U	10 U	ND	ND	0/12
1,1-Dichloroethane	UG/L	10 U	10 U	ND	ND	0/12
1,2-Dichloroethene(total)	UG/L	10 U	10 U	ND	ND	0/12
Chloroform	UG/L	10 U	10 U	1.36 J	3.17 J	41-GW10-01
1,2-Dichloroethane	UG/L	10 U	10 U	ND	ND	0/12
2-Butanone	UG/L	10 U	10 U	ND	ND	0/12
1,1,1-Trichloroethane	UG/L	10 U	10 U	ND	ND	0/12
Carbon tetrachloride	UG/L	10 U	10 U	ND	ND	0/12
Bromodichloromethane	UG/L	10 U	10 U	1.05 J	1.05 J	41-GW09-01
1,2-Dichloropropane	UG/L	10 U	10 U	ND	ND	0/12
cis-1,3-Dichloropropene	UG/L	10 U	10 U	ND	ND	0/12
Trichloroethene	UG/L	10 U	10 U	ND	ND	0/12
Dibromochloromethane	UG/L	10 U	10 U	1.95 J	1.95 J	41-GW09-01
1,1,2-Trichloroethane	UG/L	10 U	10 U	ND	ND	0/12
Benzene	UG/L	10 U	10 U	2.67 J	2.67 J	41-GW11-01
trans-1,3-Dichloropropene	UG/L	10 U	10 U	ND	ND	0/12
Bromoform	UG/L	10 U	10 U	1.33 J	1.33 J	41-GW09-01
4-Methyl-2-pentanone	UG/L	10 U	10 U	ND	ND	0/12
2-Hexanone	UG/L	10 U	10 U	ND	ND	0/12
Tetrachloroethene	UG/L	10 U	10 U	ND	ND	0/12
1,1,2,2-Tetrachloroethane	UG/L	10 U	10 U	ND	ND	0/12
Toluene	UG/L	10 U	10 U	ND	ND	0/12
Chlorobenzene	UG/L	10 U	10 U	1.49 J	1.49 J	41-GW11-01
Ethylbenzene	UG/L	10 U	10 U	ND	ND	0/12
Styrene	UG/L	10 U	10 U	ND	ND	0/12
Xylenes (total)	UG/L	10 U	10 U	ND	ND	0/12

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 SHALLOW GROUNDWATER
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID: Laboratory Sample ID: Date Sampled:	MINIMUM NONDETECTED	MAXIMUM NONDETECTED	MINIMUM DETECTED	MAXIMUM DETECTED	LOCATION OF MAXIMUM DETECTED	FREQUENCY OF DETECTION
	UNITS					
	PESTICIDE/PCBS					
alpha-BHC	UG/L	0.055 UJ	0.1 UJ	0.01 J	0.01 J	41-GW09-01 1/12
beta-BHC	UG/L	0.056 U	0.1 U	0.04 J	0.08 J	41-GW09-01 2/12
delta-BHC	UG/L	0.055 UJ	0.1 UJ	ND	ND	0/12
Lindane (gamma-BHC)	UG/L	0.055 UJ	0.1 U	ND	ND	0/12
Heptachlor	UG/L	0.056 U	0.1 U	ND	ND	0/12
Aldrin	UG/L	0.055 UJ	0.1 U	ND	ND	0/12
Heptachlor epoxide	UG/L	0.055 UJ	0.1 U	ND	ND	0/12
Endosulfan I	UG/L	0.055 UJ	0.1 U	ND	ND	0/12
Dieldrin	UG/L	0.11 UJ	0.2 U	ND	ND	0/12
4,4'-DDE	UG/L	0.11 UJ	0.2 U	ND	ND	0/12
Endrin	UG/L	0.11 UJ	0.2 U	ND	ND	0/12
Endosulfan II	UG/L	0.11 UJ	0.2 U	ND	ND	0/12
4,4'-DDD	UG/L	0.11 UJ	0.2 U	0.01 NJ	0.01 NJ	41-GW11-01 1/12
Endosulfan sulfate	UG/L	0.11 UJ	0.2 U	ND	ND	0/12
4,4'-DDT	UG/L	0.11 UJ	0.2 U	ND	ND	0/12
Methoxychlor	UG/L	0.549 UJ	1 U	ND	ND	0/12
Endrin ketone	UG/L	0.11 UJ	0.2 U	ND	ND	0/12
Endrin aldehyde	UG/L	0.11 UJ	0.2 U	ND	ND	0/12
alpha-Chlordane	UG/L	0.055 UJ	0.1 U	ND	ND	0/12
gamma-Chlordane	UG/L	0.055 UJ	0.1 U	ND	ND	0/12
Toxaphene	UG/L	5.49 UJ	10 U	ND	ND	0/12
Aroclor 1016	UG/L	1.1 UJ	2 U	ND	ND	0/12
Aroclor 1221	UG/L	2.2 UJ	4 U	ND	ND	0/12
Aroclor 1232	UG/L	1.1 UJ	2 U	ND	ND	0/12
Aroclor 1242	UG/L	1.1 UJ	2 U	ND	ND	0/12
Aroclor 1248	UG/L	1.1 UJ	2 U	ND	ND	0/12
Aroclor 1254	UG/L	1.1 UJ	2 U	ND	ND	0/12
Aroclor 1260	UG/L	1.1 UJ	2 U	ND	ND	0/12

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 SHALLOW GROUNDWATER
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID: Laboratory Sample ID: Date Sampled:		MINIMUM NONDETECTED	MAXIMUM NONDETECTED	MINIMUM DETECTED	MAXIMUM DETECTED	LOCATION OF MAXIMUM DETECTED	FREQUENCY OF DETECTION
	<u>UNITS</u>						
	<u>CHEMICAL SURETY</u>						
	Acetophenone	UG/L	11.4 U	20 U	ND	ND	0/12
	Chloroacetophenone	UG/L	11.4 U	20 U	ND	ND	0/12
	Hydroxyacetophenone	UG/L	56.8 U	100 U	ND	ND	0/12
	Bis(2'-chloroethyl)disulfide	UG/L	56.8 U	100 U	ND	ND	0/12
	Bis(2'-chloroethyl)trisulfide	UG/L	56.8 U	100 U	ND	ND	0/12
	1,4-Dithiane	UG/L	11.4 U	20 U	ND	ND	0/12
	1,4-Oxathiane	UG/L	11.4 U	20 U	ND	ND	0/12
	<u>THIODIGLYCOL</u>						
	Thiodiglycol	UG/L	25 U	25 U	ND	ND	0/12
	<u>ORDNANCE</u>						
	1,3,5-Trinitrobenzene		0.5 U	0.5 U	ND	ND	0/12
	1,3-Dinitrobenzene		0.5 U	0.5 U	ND	ND	0/12
	2,4,6-Trinitrotoluene		0.5 U	0.5 U	ND	ND	0/12
	2,4-Dinitrotoluene		0.5 U	0.5 U	ND	ND	0/12
	2,6-Dinitrotoluene		0.5 U	0.5 U	ND	ND	0/12
	2-Amino-4,6-dinitrotoluene		0.03 U	0.03 U	ND	ND	0/12
	2-Nitrotoluene		0.5 U	0.5 U	ND	ND	0/12
	3-Nitrotoluene		0.5 U	0.5 U	ND	ND	0/12
	4-Amino-2,6-dinitrotoluene		0.02 U	0.02 U	ND	ND	0/12
	4-Nitrotoluene		0.5 U	0.5 U	ND	ND	0/12
	HMX		1.25 U	1.25 U	ND	ND	0/12
	Nitrobenzene		0.5 U	0.5 U	ND	ND	0/12
	RDX		0.5 U	0.5 U	ND	ND	0/12
	Tetryl		0.5 UJ	0.5 UJ	ND	ND	0/12
	<u>MIREX</u>						
	Mirex		56.8 U	100 U	ND	ND	0/12

APPENDIX O.9
SITE 41 SHALLOW GROUNDWATER TOTAL METALS

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 SHALLOW GROUNDWATER
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 TAL TOTAL METALS

Client Sample ID:	41-GW01-01	41-GW02-01	41-GW03-01	41-GW04-01	41-GW05-01	41-GW07-01
Laboratory Sample ID:	9402122-01	9402119-01	9402121-01	9402121-03	9402122-03	9402152-01A
Date Sampled:	02/14/94	02/14/94	02/14/94	02/15/94	02/14/94	

	UNITS						
Aluminum	UG/L	42300.0 J	125000.0 J	58800.0 J	6390.0 J	20300.0 J	145000
Antimony	UG/L	7.60 UJ	7.60 UJ	7.60 UJ	7.60 UJ	7.60 UJ	7.6 UJ
Arsenic	UG/L	11.5 J	7.44 J	2.75 J	6.69 J	13.0 J	13.3
Barium	UG/L	189.0	465.0	310.0	55.2	55.7	717
Beryllium	UG/L	5.40	6.80	2.38	0.760 U	1.57	5.59
Cadmium	UG/L	3.19 U	6.26	3.19 U	3.19 U	9.96	9.08
Calcium	UG/L	42500.0	136000.0	20300.0	29300.0	66200.0	11100
Chromium	UG/L	64.2 J	244.0 J	99.1 J	10.5 J	54.4 J	166
Cobalt	UG/L	31.0	16.5	16.0 U	16.0 U	16.0 U	31.2 U
Copper	UG/L	31.8	83.6	25.9	16.3 U	27.0	28.5
Iron	UG/L	66200.0 J	80800.0 J	35300.0 J	54900.0 J	55300.0 J	71100 J
Lead	UG/L	24.6 J	19.8 J	6.12 J	4.82 J	23.7 J	94.6
Magnesium	UG/L	4010.0	31000.0	2500.0	2150.0	2970.0	5960
Manganese	UG/L	951.0	572.0	72.4	226.0	203.0	167
Mercury	UG/L	0.170 U	0.922	0.183 U	0.176 U	0.158 U	0.16 U
Nickel	UG/L	28.8 UJ	41.4 J	36.1 J	28.8 UJ	38.0 J	88.7
Potassium	UG/L	3080	21300	3080	3080	3080	4780
Selenium	UG/L	1.60 U	3.66	1.60 U	1.60 U	1.66	7.74 J
Silver	UG/L	1.60 U	1.60 U	1.60 U	24.8	1.60 U	1.6 R
Sodium	UG/L	5830	28600	2080	5510	5940	11700
Thallium	UG/L	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U	3 U
Vanadium	UG/L	77.1 J	204.0 J	83.6 J	20.4 UJ	38.1 J	150
Zinc	UG/L	124.0 J	146.0 J	130.0 J	25.7 J	173.0 J	276
Total Cyanide	UG/L	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5 U

FREQUENCY OF DETECTION SUMMARY
OPERABLE UNIT NO. 4 (SITE 41)
SHALLOW GROUNDWATER
MCB CAMP LEJEUNE, NORTH CAROLINA
REMEDIAL INVESTIGATION - CTO-0212
TAL TOTAL METALS

Client Sample ID:	41-GW08-01	41-GW09-01	41-GW10-01	41-GW11-01	41-GW12-01	41-GW13-01
Laboratory Sample ID:	9402157-05A	9402161-01A	9402161-03A	9402165-01	9402157-01A	9402157-03A
Date Sampled:						

	<u>UNITS</u>					
Aluminum	UG/L	13800	26800	81900	75700 J	65900
Antimony	UG/L	7.6 UJ	7.6 UJ	7.6 UJ	17.9 J	7.6 U
Arsenic	UG/L	2.4 J	7.66	36.3	24.2	8.98
Barium	UG/L	139	200	248	999	356
Beryllium	UG/L	3.21 U	3.21 U	7.41	3.21 U	42.8
Cadmium	UG/L	4.2 U	4.2 U	16.3	110	25.1
Calcium	UG/L	31400	8750	250000	130000	828000
Chromium	UG/L	17.3	36.6	176	149	151
Cobalt	UG/L	31.2 U	31.2 U	37.8	42.6 U	117
Copper	UG/L	23.9 U	23.9 U	26.3	1030	23.9 U
Iron	UG/L	13600 J	31200 J	124000 J	155000	160000 J
Lead	UG/L	32.6	33.8	73.6	9340	22.1
Magnesium	UG/L	2280	3570	15300	22700	11900
Manganese	UG/L	56.6	212	455	2110	1070
Mercury	UG/L	0.169 U	0.163 U	0.147 U	0.175 U	0.134 U
Nickel	UG/L	31.2 U	31.2 U	68.1	137	111
Potassium	UG/L	1340	2900	2750	26800	1960
Selenium	UG/L	1.6 UJ	2.12 J	1.6 UJ	1.6 UJ	1.6 UJ
Silver	UG/L	1.6 R	1.6 R	1.6 R	8.52 J	1.6 R
Sodium	UG/L	3190	18000	40200	27900	8480
Thallium	UG/L	3 U	3 U	3 U	3 U	3 U
Vanadium	UG/L	25.9	46.7	199	244	212
Zinc	UG/L	56.5	27.8	173	5180	450
Total Cyanide	UG/L	5 U	5 U	5 U	5 U	5 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 SHALLOW GROUNDWATER
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 TAL TOTAL METALS

Client Sample ID: Laboratory Sample ID: Date Sampled:	MINIMUM NONDETECTED	MAXIMUM NONDETECTED	MINIMUM DETECTED	MAXIMUM DETECTED	LOCATION OF MAXIMUM DETECTED	FREQUENCY OF DETECTION
	<u>UNITS</u>					
Aluminum	UG/L	NA	NA	6390 J	145000	41-GW07-01 12/12
Antimony	UG/L	7.6 UJ	7.6 UJ	17.9 J	17.9 J	41-GW11-01 1/12
Arsenic	UG/L	NA	NA	2.4 J	36.3	41-GW10-01 12/12
Barium	UG/L	NA	NA	55.2	999	41-GW11-01 12/12
Beryllium	UG/L	0.76 U	3.21 U	1.57	42.8	41-GW12-01 8/12
Cadmium	UG/L	3.19 U	4.2 U	4.6	110	41-GW11-01 7/12
Calcium	UG/L	NA	NA	8750	828000	41-GW12-01 12/12
Chromium	UG/L	NA	NA	10.5 J	244 J	41-GW02-01 12/12
Cobalt	UG/L	16 U	42.6 U	16.5	117	41-GW12-01 5/12
Copper	UG/L	16.3 U	23.9 U	25.9	1030	41-GW11-01 7/12
Iron	UG/L	NA	NA	13600 J	160000 J	41-GW12-01 12/12
Lead	UG/L	NA	NA	4.82 J	9340	41-GW11-01 12/12
Magnesium	UG/L	NA	NA	2150	31000	41-GW02-01 12/12
Manganese	UG/L	NA	NA	56.6	2110	41-GW11-01 12/12
Mercury	UG/L	0.134 U	0.183 U	0.922	0.922	41-GW02-01 1/12
Nickel	UG/L	28.8 UJ	31.2 U	32.1	137	41-GW11-01 8/12
Potassium	UG/L	NA	NA	1340	26800	41-GW11-01 12/12
Selenium	UG/L	1.6 U	1.6 U	1.66	7.74 J	41-GW07-01 5/12
Silver	UG/L	1.6 U	1.6 U	1.6 R	63.4 J	41-GW13-01 8/12
Sodium	UG/L	NA	NA	2080	40200	41-GW10-01 12/12
Thallium	UG/L	3 U	3 U	ND	ND	0/12
Vanadium	UG/L	20.4 UJ	20.4 UJ	25.9	244	41-GW11-01 11/12
Zinc	UG/L	NA	NA	25.7 J	5180	41-GW11-01 12/12
Total Cyanide	UG/L	5 U	5 U	ND	ND	0/12

APPENDIX O.10
SITE 41 SHALLOW GROUNDWATER DISSOLVED METALS

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 SHALLOW GROUNDWATER
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 TAL DISSOLVED METALS

Client Sample ID:	41-GW01D-01	41-GW02D-01	41-GW03D-01	41-GW04D-01	41-GW05D-01	41-GW07D-01
Laboratory Sample ID:	9402122-02	9402119-02	9402121-02	9402121-04	9402122-04	9402152-02A
Date Sampled:	02/14/94	02/14/94	02/14/94	02/15/94	02/14/94	

	UNITS	41-GW01D-01	41-GW02D-01	41-GW03D-01	41-GW04D-01	41-GW05D-01	41-GW07D-01
Aluminum	UG/L	139.0 U	139.0 U	139.0 U	139.0 U	139.0 U	139 U
Antimony	UG/L	7.60 U	7.60 U	7.60 U	7.60 U	7.60 U	19.1
Arsenic	UG/L	2.20 U	2.22	2.20 U	4.68	2.20 U	2.2 U
Barium	UG/L	12.6	103.0	12.4 U	44.4	12.4 U	49.2
Beryllium	UG/L	0.760 U	0.760 U	0.760 U	0.760 U	0.760 U	3.21 U
Cadmium	UG/L	3.19 U	3.19 U	3.19 U	3.19 U	3.19 U	4.2 U
Calcium	UG/L	28300.0	137000.0	12200.0	32600.0	54000.0	4710
Chromium	UG/L	8.31 U	8.31 U	8.31 U	8.31 U	8.31 U	9.6 U
Cobalt	UG/L	16.0 U	16.0 U	16.0 U	16.0 U	16.0 U	31.2 U
Copper	UG/L	16.3 U	16.3 U	16.3 U	16.3 U	16.3 U	23.9 U
Iron	UG/L	54.9 U	23700.0	54.9 U	42400.0	54.9 U	1630 J
Lead	UG/L	1.00 U	1.00 UJ	1.00 U	1.00 U	1.00 U	1 U
Magnesium	UG/L	1910.0	29200.0	366.0	2540.0	1370.0	1750
Manganese	UG/L	129.0	469.0	7.08 U	266.0	21.2	43.2
Mercury	UG/L	0.159 U	0.129 U	0.181 U	0.199 U	0.161 U	0.14 U
Nickel	UG/L	28.8 U	28.8 U	28.8 U	28.8 U	28.8 U	31.2 U
Potassium	UG/L	964	19300	763 U	3970	1630	1340
Selenium	UG/L	1.60 U	1.60 U	1.60 U	1.60 U	1.60 U	1.6 UJ
Silver	UG/L	1.60 U	1.60 U	1.60 U	1.60 U	1.60 U	1.6 R
Sodium	UG/L	6260	34300	2500	6160	6260	11900
Thallium	UG/L	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U	3 U
Vanadium	UG/L	20.4 U	20.4 U	20.4 U	20.4 U	20.4 U	20.4 U
Zinc	UG/L	10.6 U	10.6 U	10.6 U	10.6 U	10.6 U	15.8 U

FREQUENCY OF DETECTION SUMMARY
OPERABLE UNIT NO. 4 (SITE 41)
SHALLOW GROUNDWATER
MCB CAMP LEJEUNE, NORTH CAROLINA
REMEDIAL INVESTIGATION - CTO-0212
TAL DISSOLVED METALS

Client Sample ID:	41-GW08D-01	41-GW09D-01	41-GW10D-01	41-GW11D-01	41-GW12D-01	41-GW13D-01
Laboratory Sample ID:	9402157-06A	9402161-02A	9402161-04A	9402165-02	9402157-02A	9402157-04A
Date Sampled:						

	<u>UNITS</u>					
Aluminum	UG/L	139 U	139 U	139 U	139 U	139 U
Antimony	UG/L	17	7.6 U	11.4	14.9	12.8
Arsenic	UG/L	2.2 U	2.2 U	2.2 UJ	2.2 U	2.2 U
Barium	UG/L	23.7	44.5	40.3	451	22.5
Beryllium	UG/L	3.21 U	3.21 U	3.21 U	3.21 U	3.21 U
Cadmium	UG/L	4.2 U	4.2 U	4.2 U	4.2 U	4.2 U
Calcium	UG/L	21200	7150	99600	111000	91100
Chromium	UG/L	9.5 U	9.6 U	9.6 U	9.6 U	9.5 U
Cobalt	UG/L	31.2 U	31.2 U	31.2 U	42.6 U	31.2 U
Copper	UG/L	23.9 U	23.9 U	23.9 U	23.9 U	23.9 U
Iron	UG/L	71.1 U	71.1 U	71.1 U	40700	71.1 U
Lead	UG/L	1 U	1 U	1 U	1 U	1 U
Magnesium	UG/L	1940	2730	8410	22100	3530
Manganese	UG/L	29.3	138	45.3	521	342
Mercury	UG/L	0.151 U	0.172 U	0.152 U	0.153 U	0.168 U
Nickel	UG/L	31.2 U	31.2 U	31.2 U	31.2 U	31.2 U
Potassium	UG/L	763 U	2010	763 U	29400	763 U
Selenium	UG/L	1.6 UJ	1.6 UJ	1.6 UJ	1.6 U	1.6 UJ
Silver	UG/L	1.6 R	1.6 R	1.6 R	1.6 U	1.6 R
Sodium	UG/L	4650	19400	33600	30400	7800
Thallium	UG/L	3 U	3 U	3 U	3 U	3 U
Vanadium	UG/L	20.4 U	20.4 U	20.4 U	20.4 U	20.4 U
Zinc	UG/L	10.6 U	15.8 U	15.8 U	125	15.8 U

FREQUENCY OF DETECTION SUMMARY
OPERABLE UNIT NO. 4 (SITE 41)
SHALLOW GROUNDWATER
MCB CAMP LEJEUNE, NORTH CAROLINA
REMEDIAL INVESTIGATION - CTO-0212
TAL DISSOLVED METALS

Client Sample ID:		MINIMUM	MAXIMUM	MINIMUM	MAXIMUM	LOCATION OF	FREQUENCY
Laboratory Sample ID:		NONDETECTED	NONDETECTED	DETECTED	DETECTED	MAXIMUM	OF
Date Sampled:						DETECTED	DETECTION
	UNITS						
Aluminum	UG/L	139 U	139 U	ND	ND		0/12
Antimony	UG/L	7.6 U	7.6 U	11.4	19.1	41-GW07D-01	5/12
Arsenic	UG/L	2.2 U	2.2 U	2.22	4.68	41-GW04D-01	2/12
Barium	UG/L	12.4 U	12.4 U	12.6	451	41-GW11D-01	10/12
Beryllium	UG/L	0.76 U	3.21 U	ND	ND		0/12
Cadmium	UG/L	3.19 U	4.2 U	ND	ND		0/12
Calcium	UG/L	NA	NA	4710	137000	41-GW02D-01	12/12
Chromium	UG/L	8.31 U	9.6 U	ND	ND		0/12
Cobalt	UG/L	16 U	42.6 U	ND	ND		0/12
Copper	UG/L	16.3 U	23.9 U	ND	ND		0/12
Iron	UG/L	54.9 U	71.1 U	313 J	42400	41-GW04D-01	5/12
Lead	UG/L	1 U	1 U	ND	ND		0/12
Magnesium	UG/L	NA	NA	366	29200	41-GW02D-01	12/12
Manganese	UG/L	7.08 U	7.08 U	21.2	521	41-GW11D-01	11/12
Mercury	UG/L	0.129 U	0.199 U	ND	ND		0/12
Nickel	UG/L	28.8 U	31.2 U	ND	ND		0/12
Potassium	UG/L	763 U	763 U	964	29400	41-GW11D-01	8/12
Selenium	UG/L	1.6 U	1.6 U	ND	ND		0/12
Silver	UG/L	1.6 U	1.6 U	1.6 R	1.6 R	41-GW13D-01	6/12
Sodium	UG/L	NA	NA	2500	34300	41-GW02D-01	12/12
Thallium	UG/L	3 U	3 U	ND	ND		0/12
Vanadium	UG/L	20.4 U	20.4 U	ND	ND		0/12
Zinc	UG/L	10.6 U	15.8 U	47	125	41-GW11D-01	2/12

APPENDIX O.11
SITE 41 DEEP GROUNDWATER ORGANICS

FREQUENCY OF DETECTION SUMMARY
OPERABLE UNIT NO. 4 (SITE 41)
DEEP GROUNDWATER
MCB CAMP LEJEUNE, NORTH CAROLINA
REMEDIAL INVESTIGATION - CTO-0212
ORGANICS

Client Sample ID:	41-GW04DW-01	41-GW06DW-01	41-GW07DW-01	41-GW09DW-01	41-GW11DW-01	41-GW12DW-01
Laboratory Sample ID:	9402159-01A	9402163-03	9402162-03	9402162-01	9402163-01	9402159-03A
Date Sampled:						

	<u>UNITS</u>					
SEMIVOLATILES						
1,2-Dichlorobenzene	UG/L	12.5 U	14.3 U	14 U	13.3 U	20 UJ 13.5 U
1,2,4-Trichlorobenzene	UG/L	12.5 U	14.3 U	14 U	13.3 U	20 UJ 13.5 U
1,3-Dichlorobenzene	UG/L	12.5 U	14.3 U	14 U	13.3 U	20 UJ 13.5 U
1,4-Dichlorobenzene	UG/L	12.5 U	14.3 U	14 U	13.3 U	20 UJ 13.5 U
2-Chloronaphthalene	UG/L	12.5 U	14.3 U	14 U	13.3 U	20 UJ 13.5 U
2-Chlorophenol	UG/L	12.5 U	14.3 U	14 U	13.3 U	20 UJ 13.5 U
2-Methylnaphthalene	UG/L	12.5 U	14.3 U	14 U	13.3 U	20 UJ 13.5 U
2-Methylphenol	UG/L	12.5 U	14.3 U	14 U	13.3 U	20 UJ 13.5 U
2-Nitroaniline	UG/L	31.2 U	35.7 U	35 U	33.2 U	50 UJ 33.8 U
2-Nitrophenol	UG/L	12.5 U	14.3 U	14 U	13.3 U	20 UJ 13.5 U
2,2'-oxybis-(1-chloropropane)	UG/L	12.5 U	14.3 UJ	14 U	13.3 U	20 UJ 13.5 U
2,4-Dichlorophenol	UG/L	12.5 U	14.3 U	14 U	13.3 U	20 UJ 13.5 U
2,4-Dimethylphenol	UG/L	12.5 U	14.3 U	14 U	13.3 U	20 UJ 13.5 U
2,4-Dinitrophenol	UG/L	31.2 U	35.7 U	35 U	33.2 U	50 UJ 33.8 U
2,4-Dinitrotoluene	UG/L	12.5 U	14.3 U	14 U	13.3 U	20 UJ 13.5 U
2,4,5-Trichlorophenol	UG/L	31.2 U	35.7 U	35 U	33.2 U	50 UJ 33.8 U
2,4,6-Trichlorophenol	UG/L	12.5 U	14.3 U	14 U	13.3 U	20 UJ 13.5 U
2,6-Dinitrotoluene	UG/L	12.5 U	14.3 U	14 U	13.3 U	20 UJ 13.5 U
3-Nitroaniline	UG/L	31.2 U	35.7 U	35 U	33.2 U	50 UJ 33.8 U
3,3'-Dichlorobenzidine	UG/L	12.5 U	14.3 U	14 U	13.3 U	20 UJ 13.5 U
4-Bromophenyl-phenylether	UG/L	12.5 U	14.3 U	14 U	13.3 U	20 UJ 13.5 U
4-Chloro-3-methylphenol	UG/L	12.5 U	14.3 U	14 U	13.3 U	20 UJ 13.5 U
4-Chloroaniline	UG/L	12.5 U	14.3 U	14 U	13.3 U	20 UJ 13.5 U
4-Chlorophenyl phenyl ether	UG/L	12.5 U	14.3 U	14 U	13.3 U	20 UJ 13.5 U
4-Methylphenol	UG/L	12.5 U	14.3 U	14 U	13.3 U	20 UJ 13.5 U
4-Nitroaniline	UG/L	31.2 U	35.7 UJ	35 U	33.2 U	50 UJ 33.8 U
4-Nitrophenol	UG/L	31.2 U	35.7 U	35 U	33.2 U	50 UJ 33.8 U
4,6-Dinitro-2-methylphenol	UG/L	31.2 U	35.7 U	35 U	33.2 U	50 UJ 33.8 U
Acenaphthene	UG/L	12.5 U	14.3 U	14 U	13.3 U	20 UJ 13.5 U
Acenaphthylene	UG/L	12.5 U	14.3 U	14 U	13.3 U	20 UJ 13.5 U
Anthracene	UG/L	12.5 U	14.3 U	14 U	13.3 U	20 UJ 13.5 U
Benzo[a]anthracene	UG/L	12.5 U	14.3 U	14 U	13.3 U	20 UJ 13.5 U
Benzo[a]pyrene	UG/L	12.5 U	14.3 U	14 U	13.3 U	20 UJ 13.5 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 DEEP GROUNDWATER
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-GW04DW-01	41-GW06DW-01	41-GW07DW-01	41-GW09DW-01	41-GW11DW-01	41-GW12DW-01
Laboratory Sample ID:	9402159-01A	9402163-03	9402162-03	9402162-01	9402163-01	9402159-03A
Date Sampled:						

UNITS

SEMIVOLATILES Cont.

Benzo[b]fluoranthene	UG/L	12.5 U	14.3 U	14 U	13.3 U	20 UJ	13.5 U
Benzo[g,h,i]perylene	UG/L	12.5 U	14.3 U	14 U	13.3 U	20 UJ	13.5 U
Benzo[k]fluoranthene	UG/L	12.5 U	14.3 U	14 U	13.3 U	20 UJ	13.5 U
bis(2-Chloroethoxy) methane	UG/L	12.5 U	14.3 U	14 U	13.3 U	20 UJ	13.5 U
bis(2-Chloroethyl) ether	UG/L	12.5 U	14.3 U	14 U	13.3 U	20 UJ	13.5 U
bis(2-Ethylhexyl)phthalate	UG/L	12.5 U	14.3 U	14 U	13.3 U	20 UJ	13.5 U
Butyl benzyl phthalate	UG/L	12.5 U	14.3 U	14 U	13.3 U	20 UJ	13.5 U
Carbazole	UG/L	12.5 U	14.3 U	14 U	13.3 U	20 UJ	13.5 U
Chrysene	UG/L	12.5 U	14.3 U	14 U	13.3 U	20 UJ	13.5 U
Dibenzofuran	UG/L	12.5 U	14.3 U	14 U	13.3 U	20 UJ	13.5 U
Dibenz[a,h]anthracene	UG/L	12.5 U	14.3 U	14 U	13.3 U	20 UJ	13.5 U
Diethylphthalate	UG/L	12.5 U	14.3 U	14 U	13.3 U	20 UJ	13.5 U
Dimethyl phthalate	UG/L	12.5 U	14.3 U	14 U	13.3 U	20 UJ	13.5 U
di-n-Butylphthalate	UG/L	12.5 U	14 U	14 U	13 U	20 UJ	14 U
di-n-Octylphthalate	UG/L	12.5 U	14.3 U	14 U	13.3 U	20 UJ	13.5 U
Fluoranthene	UG/L	12.5 U	14.3 U	14 U	13.3 U	20 UJ	13.5 U
Fluorene	UG/L	12.5 U	14.3 U	14 U	13.3 U	20 UJ	13.5 U
Hexachlorobenzene	UG/L	12.5 U	14.3 U	14 U	13.3 U	20 UJ	13.5 U
Hexachlorobutadiene	UG/L	12.5 U	14.3 U	14 U	13.3 U	20 UJ	13.5 U
Hexachlorocyclopentadiene	UG/L	12.5 U	14.3 U	14 U	13.3 U	20 UJ	13.5 U
Hexachloroethane	UG/L	12.5 U	14.3 U	14 U	13.3 U	20 UJ	13.5 U
Indeno[1,2,3-cd]pyrene	UG/L	12.5 U	14.3 U	14 U	13.3 U	20 UJ	13.5 U
Isophorone	UG/L	12.5 U	14.3 U	14 U	13.3 U	20 UJ	13.5 U
Naphthalene	UG/L	12.5 U	14.3 U	14 U	13.3 U	20 UJ	13.5 U
Nitrobenzene	UG/L	12.5 U	14.3 U	14 U	4 J	20 UJ	13.5 U
N-Nitroso-di-n-propylamine	UG/L	12.5 U	14.3 U	14 U	13.3 U	20 UJ	13.5 U
N-nitrosodiphenylamine	UG/L	12.5 U	14.3 U	14 U	13.3 U	20 UJ	13.5 U
Pentachlorophenol	UG/L	31.2 U	35.7 U	35 U	33.2 U	34.7 UJ	33.8 U
Phenanthrene	UG/L	12.5 U	14.3 U	14 U	13.3 U	20 UJ	13.5 U
Phenol	UG/L	12.5 U	14.3 U	14 U	13.3 U	20 UJ	13.5 U
Pyrene	UG/L	12.5 U	14.3 U	14 U	13.3 U	20 UJ	13.5 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 DEEP GROUNDWATER
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-GW04DW-01	41-GW06DW-01	41-GW07DW-01	41-GW09DW-01	41-GW11DW-01	41-GW12DW-01
Laboratory Sample ID:	9402159-01A	9402163-03	9402162-03	9402162-01	9402163-01	9402159-03A
Date Sampled:						

	<u>UNITS</u>					
<u>VOLATILES</u>						
Chloromethane	UG/L	10 U	10 U	10 U	10 U	10 U
Bromomethane	UG/L	10 U	10 U	10 U	10 U	10 U
Vinyl chloride	UG/L	10 U	10 U	10 U	10 U	10 U
Chloroethane	UG/L	10 U	10 U	10 U	10 U	10 U
Methylene chloride	UG/L	10 U	10 U	10 U	12.8 U	10 U
Acetone	UG/L	10 UJ	10 U	10 U	10 U	13.5 UJ
Carbon Disulfide	UG/L	10 U	10 U	10 U	10 U	10 U
1,1-Dichloroethene	UG/L	10 U	10 U	10 U	10 U	10 U
1,1-Dichloroethane	UG/L	10 U	10 U	10 U	10 U	10 U
1,2-Dichloroethene(total)	UG/L	10 U	10 U	10 U	10 U	1.22 J
Chloroform	UG/L	10 U	10 U	10 U	10 U	1.02 J
1,2-Dichloroethane	UG/L	10 U	10 U	10 U	10 U	10 U
2-Butanone	UG/L	10 U	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane	UG/L	10 U	10 U	10 U	10 U	10 U
Carbon tetrachloride	UG/L	10 U	10 U	10 U	10 U	10 U
Bromodichloromethane	UG/L	10 U	10 U	10 U	10 U	10 U
1,2-Dichloropropane	UG/L	10 U	10 U	10 U	10 U	10 U
cis-1,3-Dichloropropene	UG/L	10 U	10 U	10 U	10 U	10 U
Trichloroethene	UG/L	10 U	10 U	10 U	10 U	10 U
Dibromochloromethane	UG/L	10 U	10 U	10 U	10 U	1.27 J
1,1,2-Trichloroethane	UG/L	10 U	10 U	10 U	10 U	10 U
Benzene	UG/L	10 U	10 U	10 U	10 U	10 U
trans-1,3-Dichloropropene	UG/L	10 U	10 U	10 U	10 U	10 U
Bromoform	UG/L	10 U	10 U	10 U	10 U	10 U
4-Methyl-2-pentanone	UG/L	10 U	10 U	10 U	10 U	10 U
2-Hexanone	UG/L	10 U	10 U	10 U	10 U	10 U
Tetrachloroethene	UG/L	10 U	10 U	10 U	10 U	10 U
1,1,2,2-Tetrachloroethane	UG/L	10 U	10 U	10 U	10 U	10 U
Toluene	UG/L	10 U	10 U	10 U	10 U	10 U
Chlorobenzene	UG/L	10 U	10 U	10 U	10 U	10 U
Ethylbenzene	UG/L	10 U	10 U	10 U	10 U	10 U
Styrene	UG/L	10 U	10 U	10 U	10 U	10 U
Xylenes (total)	UG/L	10 U	10 U	10 U	10 U	10 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 DEEP GROUNDWATER
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-GW04DW-01	41-GW06DW-01	41-GW07DW-01	41-GW09DW-01	41-GW11DW-01	41-GW12DW-01
Laboratory Sample ID:	9402159-01A	9402163-03	9402162-03	9402162-01	9402163-01	9402159-03A
Date Sampled:						

	<u>UNITS</u>						
<u>PESTICIDE/PCBS</u>							
alpha-BHC	UG/L	0.06 UJ	0.062 UJ	0.066 UJ	0.062 UJ	0.061 UJ	0.077 UJ
beta-BHC	UG/L	0.06 NJ	0.062 U	0.066 U	0.04 J	0.061 U	0.077 UJ
delta-BHC	UG/L	0.06 UJ	0.062 UJ	0.066 UJ	0.062 UJ	0.061 UJ	0.077 UJ
Lindane (gamma-BHC)	UG/L	0.06 UJ	0.062 U	0.066 U	0.062 U	0.061 U	0.077 UJ
Heptachlor	UG/L	0.06 UJ	0.062 U	0.066 U	0.062 U	0.061 U	0.08 UJ
Aldrin	UG/L	0.06 UJ	0.062 U	0.066 U	0.062 U	0.061 U	0.077 UJ
Heptachlor epoxide	UG/L	0.06 UJ	0.062 U	0.066 U	0.062 U	0.061 U	0.077 UJ
Endosulfan I	UG/L	0.06 UJ	0.062 U	0.066 U	0.062 U	0.061 U	0.077 UJ
Dieldrin	UG/L	0.119 UJ	0.123 U	0.132 U	0.125 U	0.122 U	0.154 UJ
4,4'-DDE	UG/L	0.119 UJ	0.123 U	0.132 U	0.125 U	0.122 U	0.154 UJ
Endrin	UG/L	0.119 UJ	0.123 U	0.132 U	0.125 U	0.122 U	0.154 UJ
Endosulfan II	UG/L	0.119 UJ	0.123 U	0.132 U	0.125 U	0.122 U	0.154 UJ
4,4'-DDD	UG/L	0.119 UJ	0.123 U	0.132 U	0.125 U	0.122 U	0.154 UJ
Endosulfan sulfate	UG/L	0.119 UJ	0.123 U	0.132 U	0.125 U	0.122 U	0.154 UJ
4,4'-DDT	UG/L	0.119 UJ	0.123 U	0.132 U	0.125 U	0.122 U	0.154 UJ
Methoxychlor	UG/L	0.595 UJ	0.617 U	0.658 U	0.625 U	0.61 U	0.769 UJ
Endrin ketone	UG/L	0.119 UJ	0.123 U	0.132 U	0.125 U	0.122 U	0.154 UJ
Endrin aldehyde	UG/L	0.119 UJ	0.123 U	0.132 U	0.125 U	0.122 U	0.154 UJ
alpha-Chlordane	UG/L	0.06 UJ	0.062 U	0.066 U	0.062 U	0.061 U	0.077 UJ
gamma-Chlordane	UG/L	0.06 UJ	0.062 U	0.066 U	0.062 U	0.061 U	0.077 UJ
Toxaphene	UG/L	5.95 UJ	6.17 U	6.58 U	6.25 U	6.1 U	7.69 UJ
Aroclor 1016	UG/L	1.19 UJ	1.23 U	1.32 U	1.25 U	1.22 U	1.54 UJ
Aroclor 1221	UG/L	2.38 UJ	2.47 U	2.63 U	2.5 U	2.44 U	3.08 UJ
Aroclor 1232	UG/L	1.19 UJ	1.23 U	1.32 U	1.25 U	1.22 U	1.54 UJ
Aroclor 1242	UG/L	1.19 UJ	1.23 U	1.32 U	1.25 U	1.22 U	1.54 UJ
Aroclor 1248	UG/L	1.19 UJ	1.23 U	1.32 U	1.25 U	1.22 U	1.54 UJ
Aroclor 1254	UG/L	1.19 UJ	1.23 U	1.32 U	1.25 U	1.22 U	1.54 UJ
Aroclor 1260	UG/L	1.19 UJ	1.23 U	1.32 U	1.25 U	1.22 U	1.54 UJ

FREQUENCY OF DETECTION SUMMARY
OPERABLE UNIT NO. 4 (SITE 41)
DEEP GROUNDWATER
MCB CAMP LEJEUNE, NORTH CAROLINA
REMEDIAL INVESTIGATION - CTO-0212
ORGANICS

Client Sample ID:	41-GW04DW-01	41-GW06DW-01	41-GW07DW-01	41-GW09DW-01	41-GW11DW-01	41-GW12DW-01	
Laboratory Sample ID:	9402159-01A	9402163-03	9402162-03	9402162-01	9402163-01	9402159-03A	
Date Sampled:							
	UNITS						
CHEMICAL SURETY							
Acetophenone	UG/L	12.5 U	14.3 U	14 U	13.3 U	20 UJ	13.5 U
Chloroacetophenone	UG/L	12.5 U	14.3 U	14 U	13.3 U	20 UJ	13.5 U
Hydroxyacetophenone	UG/L	62.5 U	71.4 U	70 U	66.5 U	69.4 UJ	67.6 U
Bis(2'-chloroethyl)disulfide	UG/L	62.5 U	71.4 U	70 U	66.5 U	69.4 U	67.6 U
Bis(2'-chloroethyl)trisulfide	UG/L	62.5 U	71.4 U	70 U	66.5 U	69.4 U	67.6 U
1,4-Dithiane	UG/L	12.5 U	14.3 U	14 U	13.3 U	20 UJ	13.5 U
1,4-Oxathiane	UG/L	12.5 U	14.3 U	14 U	13.3 U	20 UJ	13.5 U
THIODIGLYCOL							
Thiodiglycol	UG/L	25 U	25 U	25 U	25 U	25 U	25 U
ORDNANCE							
1,3,5-Trinitrobenzene		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dinitrobenzene		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2,4,6-Trinitrotoluene		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2,4-Dinitrotoluene		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2,6-Dinitrotoluene		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-Amino-4,6-dinitrotoluene		0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U
2-Nitrotoluene		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
3-Nitrotoluene		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
4-Amino-2,6-dinitrotoluene		0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
4-Nitrotoluene		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
HMX		1.25 U	1.25 U	1.25 U	1.25 U	1.25 U	1.25 U
Nitrobenzene		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
RDX		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetryl		0.5 U	0.5 U	0.5 U	0.5 U	0.5 R	0.5 U
MIREX							
Mirex		62.5 U	71.4 U	70 U	66.5 U	69.4 U	67.6 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 DEEP GROUNDWATER
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID: Laboratory Sample ID: Date Sampled:	MINIMUM NONDETECTED	MAXIMUM NONDETECTED	MINIMUM DETECTED	MAXIMUM DETECTED	LOCATION OF MAXIMUM DETECTED	FREQUENCY OF DETECTION
<u>UNITS</u>						
<u>SEMIVOLATILES</u>						
1,2-Dichlorobenzene	UG/L	12.5 U	20 UJ	ND	ND	0/6
1,2,4-Trichlorobenzene	UG/L	12.5 U	20 UJ	ND	ND	0/6
1,3-Dichlorobenzene	UG/L	12.5 U	20 UJ	ND	ND	0/6
1,4-Dichlorobenzene	UG/L	12.5 U	20 UJ	ND	ND	0/6
2-Chloronaphthalene	UG/L	12.5 U	20 UJ	ND	ND	0/6
2-Chlorophenol	UG/L	12.5 U	20 UJ	ND	ND	0/6
2-Methylnaphthalene	UG/L	12.5 U	20 UJ	ND	ND	0/6
2-Methylphenol	UG/L	12.5 U	20 UJ	ND	ND	0/6
2-Nitroaniline	UG/L	31.2 U	50 UJ	ND	ND	0/6
2-Nitrophenol	UG/L	12.5 U	20 UJ	ND	ND	0/6
2,2'-oxybis-(1-chloropropane)	UG/L	12.5 U	20 UJ	ND	ND	0/6
2,4-Dichlorophenol	UG/L	12.5 U	20 UJ	ND	ND	0/6
2,4-Dimethylphenol	UG/L	12.5 U	20 UJ	ND	ND	0/6
2,4-Dinitrophenol	UG/L	31.2 U	50 UJ	ND	ND	0/6
2,4-Dinitrotoluene	UG/L	12.5 U	20 UJ	ND	ND	0/6
2,4,5-Trichlorophenol	UG/L	31.2 U	50 UJ	ND	ND	0/6
2,4,6-Trichlorophenol	UG/L	12.5 U	20 UJ	ND	ND	0/6
2,6-Dinitrotoluene	UG/L	12.5 U	20 UJ	ND	ND	0/6
3-Nitroaniline	UG/L	31.2 U	50 UJ	ND	ND	0/6
3,3'-Dichlorobenzidine	UG/L	12.5 U	20 UJ	ND	ND	0/6
4-Bromophenyl-phenylether	UG/L	12.5 U	20 UJ	ND	ND	0/6
4-Chloro-3-methylphenol	UG/L	12.5 U	20 UJ	ND	ND	0/6
4-Chloroaniline	UG/L	12.5 U	20 UJ	ND	ND	0/6
4-Chlorophenyl phenyl ether	UG/L	12.5 U	20 UJ	ND	ND	0/6
4-Methylphenol	UG/L	12.5 U	20 UJ	ND	ND	0/6
4-Nitroaniline	UG/L	31.2 U	50 UJ	ND	ND	0/6
4-Nitrophenol	UG/L	31.2 U	50 UJ	ND	ND	0/6
4,6-Dinitro-2-methylphenol	UG/L	31.2 U	50 UJ	ND	ND	0/6
Acenaphthene	UG/L	12.5 U	20 UJ	ND	ND	0/6
Acenaphthylene	UG/L	12.5 U	20 UJ	ND	ND	0/6
Anthracene	UG/L	12.5 U	20 UJ	ND	ND	0/6
Benzo[a]anthracene	UG/L	12.5 U	20 UJ	ND	ND	0/6
Benzo[a]pyrene	UG/L	12.5 U	20 UJ	ND	ND	0/6

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 DEEP GROUNDWATER
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID: Laboratory Sample ID: Date Sampled:		MINIMUM NONDETECTED	MAXIMUM NONDETECTED	MINIMUM DETECTED	MAXIMUM DETECTED	LOCATION OF MAXIMUM DETECTED	FREQUENCY OF DETECTION
	<u>UNITS</u>						
<u>SEMIVOLATILES Cont.</u>							
Benzo[b]fluoranthene	UG/L	12.5 U	20 UJ	ND	ND		0/6
Benzo[g,h,i]perylene	UG/L	12.5 U	20 UJ	ND	ND		0/6
Benzo[k]fluoranthene	UG/L	12.5 U	20 UJ	ND	ND		0/6
bis(2-Chloroethoxy) methane	UG/L	12.5 U	20 UJ	ND	ND		0/6
bis(2-Chloroethyl) ether	UG/L	12.5 U	20 UJ	ND	ND		0/6
bis(2-Ethylhexyl)phthalate	UG/L	12.5 U	20 UJ	ND	ND		0/6
Butyl benzyl phthalate	UG/L	12.5 U	20 UJ	ND	ND		0/6
Carbazole	UG/L	12.5 U	20 UJ	ND	ND		0/6
Chrysene	UG/L	12.5 U	20 UJ	ND	ND		0/6
Dibenzofuran	UG/L	12.5 U	20 UJ	ND	ND		0/6
Dibenz[a,h]anthracene	UG/L	12.5 U	20 UJ	ND	ND		0/6
Diethylphthalate	UG/L	12.5 U	20 UJ	ND	ND		0/6
Dimethyl phthalate	UG/L	12.5 U	20 UJ	ND	ND		0/6
di-n-Butylphthalate	UG/L	12.5 U	20 UJ	ND	ND		0/6
di-n-Octylphthalate	UG/L	12.5 U	20 UJ	ND	ND		0/6
Fluoranthene	UG/L	12.5 U	20 UJ	ND	ND		0/6
Fluorene	UG/L	12.5 U	20 UJ	ND	ND		0/6
Hexachlorobenzene	UG/L	12.5 U	20 UJ	ND	ND		0/6
Hexachlorobutadiene	UG/L	12.5 U	20 UJ	ND	ND		0/6
Hexachlorocyclopentadiene	UG/L	12.5 U	20 UJ	ND	ND		0/6
Hexachloroethane	UG/L	12.5 U	20 UJ	ND	ND		0/6
Indeno[1,2,3-cd]pyrene	UG/L	12.5 U	20 UJ	ND	ND		0/6
Isophorone	UG/L	12.5 U	20 UJ	ND	ND		0/6
Naphthalene	UG/L	12.5 U	20 UJ	ND	ND		0/6
Nitrobenzene	UG/L	12.5 U	20 UJ	4 J	4 J	41-GW09DW-01	1/6
N-Nitroso-di-n-propylamine	UG/L	12.5 U	20 UJ	ND	ND		0/6
N-nitrosodiphenylamine	UG/L	12.5 U	20 UJ	ND	ND		0/6
Pentachlorophenol	UG/L	31.2 U	35.7 U	ND	ND		0/6
Phenanthrene	UG/L	12.5 U	20 UJ	ND	ND		0/6
Phenol	UG/L	12.5 U	20 UJ	ND	ND		0/6
Pyrene	UG/L	12.5 U	20 UJ	ND	ND		0/6

FREQUENCY OF DETECTION SUMMARY
OPERABLE UNIT NO. 4 (SITE 41)
DEEP GROUNDWATER
MCB CAMP LEJEUNE, NORTH CAROLINA
REMEDIAL INVESTIGATION - CTO-0212
ORGANICS

Client Sample ID: Laboratory Sample ID: Date Sampled:	MINIMUM NONDETECTED	MAXIMUM NONDETECTED	MINIMUM DETECTED	MAXIMUM DETECTED	LOCATION OF MAXIMUM DETECTED	FREQUENCY OF DETECTION
<u>UNITS</u>						
VOLATILES						
Chloromethane	UG/L	10 U	10 U	ND		0/6
Bromomethane	UG/L	10 U	10 U	ND		0/6
Vinyl chloride	UG/L	10 U	10 U	ND		0/6
Chloroethane	UG/L	10 U	10 U	ND		0/6
Methylene chloride	UG/L	10 U	12.8 U	ND		0/6
Acetone	UG/L	10 UJ	13.5 UJ	ND		0/6
Carbon Disulfide	UG/L	10 U	10 U	ND		0/6
1,1-Dichloroethene	UG/L	10 U	10 U	ND		0/6
1,1-Dichloroethane	UG/L	10 U	10 U	ND		0/6
1,2-Dichloroethene(total)	UG/L	10 U	10 U	1.22 J	41-GW11DW-01	1/6
Chloroform	UG/L	10 U	10 U	1.02 J	41-GW12DW-01	1/6
1,2-Dichloroethane	UG/L	10 U	10 U	ND		0/6
2-Butanone	UG/L	10 U	10 U	ND		0/6
1,1,1-Trichloroethane	UG/L	10 U	10 U	ND		0/6
Carbon tetrachloride	UG/L	10 U	10 U	ND		0/6
Bromodichloromethane	UG/L	10 U	10 U	ND		0/6
1,2-Dichloropropane	UG/L	10 U	10 U	ND		0/6
cis-1,3-Dichloropropene	UG/L	10 U	10 U	ND		0/6
Trichloroethene	UG/L	10 U	10 U	ND		0/6
Dibromochloromethane	UG/L	10 U	10 U	1.27 J	41-GW12DW-01	1/6
1,1,2-Trichloroethane	UG/L	10 U	10 U	ND		0/6
Benzene	UG/L	10 U	10 U	ND		0/6
trans-1,3-Dichloropropene	UG/L	10 U	10 U	ND		0/6
Bromoform	UG/L	10 U	10 U	ND		0/6
4-Methyl-2-pentanone	UG/L	10 U	10 U	ND		0/6
2-Hexanone	UG/L	10 U	10 U	ND		0/6
Tetrachloroethene	UG/L	10 U	10 U	ND		0/6
1,1,2,2-Tetrachloroethane	UG/L	10 U	10 U	ND		0/6
Toluene	UG/L	10 U	10 U	ND		0/6
Chlorobenzene	UG/L	10 U	10 U	ND		0/6
Ethylbenzene	UG/L	10 U	10 U	ND		0/6
Styrene	UG/L	10 U	10 U	ND		0/6
Xylenes (total)	UG/L	10 U	10 U	ND		0/6

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 DEEP GROUNDWATER
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID: Laboratory Sample ID: Date Sampled:	MINIMUM NONDETECTED	MAXIMUM NONDETECTED	MINIMUM DETECTED	MAXIMUM DETECTED	LOCATION OF MAXIMUM DETECTED	FREQUENCY OF DETECTION
<u>UNITS</u>						
<u>PESTICIDE/PCBS</u>						
alpha-BHC	UG/L	0.06 UJ	0.077 UJ	ND	ND	0/6
beta-BHC	UG/L	0.061 U	0.077 UJ	0.04 J	0.06 NJ	2/6
delta-BHC	UG/L	0.06 UJ	0.077 UJ	ND	ND	0/6
Lindane (gamma-BHC)	UG/L	0.06 UJ	0.077 UJ	ND	ND	0/6
Heptachlor	UG/L	0.06 UJ	0.08 UJ	ND	ND	0/6
Aldrin	UG/L	0.06 UJ	0.077 UJ	ND	ND	0/6
Heptachlor epoxide	UG/L	0.06 UJ	0.077 UJ	ND	ND	0/6
Endosulfan I	UG/L	0.06 UJ	0.077 UJ	ND	ND	0/6
Dieldrin	UG/L	0.119 UJ	0.154 UJ	ND	ND	0/6
4,4'-DDE	UG/L	0.119 UJ	0.154 UJ	ND	ND	0/6
Endrin	UG/L	0.119 UJ	0.154 UJ	ND	ND	0/6
Endosulfan II	UG/L	0.119 UJ	0.154 UJ	ND	ND	0/6
4,4'-DDD	UG/L	0.119 UJ	0.154 UJ	ND	ND	0/6
Endosulfan sulfate	UG/L	0.119 UJ	0.154 UJ	ND	ND	0/6
4,4'-DDT	UG/L	0.119 UJ	0.154 UJ	ND	ND	0/6
Methoxychlor	UG/L	0.595 UJ	0.769 UJ	ND	ND	0/6
Endrin ketone	UG/L	0.119 UJ	0.154 UJ	ND	ND	0/6
Endrin aldehyde	UG/L	0.119 UJ	0.154 UJ	ND	ND	0/6
alpha-Chlordane	UG/L	0.06 UJ	0.077 UJ	ND	ND	0/6
gamma-Chlordane	UG/L	0.06 UJ	0.077 UJ	ND	ND	0/6
Toxaphene	UG/L	5.95 UJ	7.69 UJ	ND	ND	0/6
Aroclor 1016	UG/L	1.19 UJ	1.54 UJ	ND	ND	0/6
Aroclor 1221	UG/L	2.38 UJ	3.08 UJ	ND	ND	0/6
Aroclor 1232	UG/L	1.19 UJ	1.54 UJ	ND	ND	0/6
Aroclor 1242	UG/L	1.19 UJ	1.54 UJ	ND	ND	0/6
Aroclor 1248	UG/L	1.19 UJ	1.54 UJ	ND	ND	0/6
Aroclor 1254	UG/L	1.19 UJ	1.54 UJ	ND	ND	0/6
Aroclor 1260	UG/L	1.19 UJ	1.54 UJ	ND	ND	0/6

FREQUENCY OF DETECTION SUMMARY
OPERABLE UNIT NO. 4 (SITE 41)
DEEP GROUNDWATER
MCB CAMP LEJEUNE, NORTH CAROLINA
REMEDIAL INVESTIGATION - CTO-0212
ORGANICS

Client Sample ID: Laboratory Sample ID: Date Sampled:	MINIMUM NONDETECTED	MAXIMUM NONDETECTED	MINIMUM DETECTED	MAXIMUM DETECTED	LOCATION OF MAXIMUM DETECTED	FREQUENCY OF DETECTION
CHEMICAL SURETY						
Acetophenone	UG/L	12.5 U	20 UJ	ND	ND	0/6
Chloroacetophenone	UG/L	12.5 U	20 UJ	ND	ND	0/6
Hydroxyacetophenone	UG/L	62.5 U	71.4 U	ND	ND	0/6
Bis(2'-chloroethyl)disulfide	UG/L	62.5 U	71.4 U	ND	ND	0/6
Bis(2'-chloroethyl)trisulfide	UG/L	62.5 U	71.4 U	ND	ND	0/6
1,4-Dithiane	UG/L	12.5 U	20 UJ	ND	ND	0/6
1,4-Oxathiane	UG/L	12.5 U	20 UJ	ND	ND	0/6
THIODIGLYCOL						
Thiodiglycol	UG/L	25 U	25 U	ND	ND	0/6
ORDNANCE						
1,3,5-Trinitrobenzene		0.5 U	0.5 U	ND	ND	0/6
1,3-Dinitrobenzene		0.5 U	0.5 U	ND	ND	0/6
2,4,6-Trinitrotoluene		0.5 U	0.5 U	ND	ND	0/6
2,4-Dinitrotoluene		0.5 U	0.5 U	ND	ND	0/6
2,6-Dinitrotoluene		0.5 U	0.5 U	ND	ND	0/6
2-Amino-4,6-dinitrotoluene		0.03 U	0.03 U	ND	ND	0/6
2-Nitrotoluene		0.5 U	0.5 U	ND	ND	0/6
3-Nitrotoluene		0.5 U	0.5 U	ND	ND	0/6
4-Amino-2,6-dinitrotoluene		0.02 U	0.02 U	ND	ND	0/6
4-Nitrotoluene		0.5 U	0.5 U	ND	ND	0/6
HMX		1.25 U	1.25 U	ND	ND	0/6
Nitrobenzene		0.5 U	0.5 U	ND	ND	0/6
RDX		0.5 U	0.5 U	ND	ND	0/6
Tetryl		0.5 U	0.5 U	0.5 R	0.5 R	41-GW12DW-01 1/6
MIREX						
Mirex		62.5 U	71.4 U	ND	ND	0/6

APPENDIX O.12
SITE 41 DEEP GROUNDWATER TOTAL METALS

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 DEEP GROUNDWATER
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 TAL TOTAL METALS

Client Sample ID:	41-GW04DW-01	41-GW06DW-01	41-GW07DW-01	41-GW09DW-01	41-GW11DW-01	41-GW12DW-01
Laboratory Sample ID:	9402159-01A	9402163-03	9402162-03	9402162-01	9402163-01	9402159-03A
Date Sampled:						

	<u>UNITS</u>					
Aluminum	UG/L	269	12600 J	1770 J	2490 J	247 J
Antimony	UG/L	7.6 U	7.6 R	7.6 R	7.6 R	7.6 R
Arsenic	UG/L	3.71 J	9.58	4.79	2.2 U	2.2 U
Barium	UG/L	22.6	186	42.7	39.8	92.1
Beryllium	UG/L	3.21 U	3.21 U	3.21 U	3.21 U	3.21 U
Cadmium	UG/L	4.2 U	4.7	4.2 U	4.2 U	4.2 U
Calcium	UG/L	107000	434000	172000	74300	224000
Chromium	UG/L	9.6 U	40.5	9.6 U	9.6 U	9.6 U
Cobalt	UG/L	31.2 U	42.6 U	42.6 U	42.6 U	42.6 U
Copper	UG/L	23.9 U	23.9 U	23.9 U	23.9 U	23.9 U
Iron	UG/L	691 J	15300	3140	2260	1360
Lead	UG/L	1 U	11.1 J	5.96 J	4.33 J	1.88 J
Magnesium	UG/L	1630	6710	2800	2070	5860
Manganese	UG/L	16.9	101	41.8	36.8	87.5
Mercury	UG/L	0.152 U	0.152	0.166 U	0.152 U	0.173 U
Nickel	UG/L	31.2 U	31.2 U	31.2 U	31.2 U	31.2 U
Potassium	UG/L	1550	2900	1180	1030	2740
Selenium	UG/L	1.6 UJ	1.6 UJ	8.36 J	1.87 J	2.74 J
Silver	UG/L	1.6 R	1.6 R	1.6 R	1.6 R	1.6 R
Sodium	UG/L	11800	17800	8880	22700	95100
Thallium	UG/L	3 U	3 U	3 U	3 U	3 U
Vanadium	UG/L	20.4 U	49.8	20.4 U	20.4 U	20.4 U
Zinc	UG/L	17.8	83.8	32.9	26.4	50.3
Total Cyanide	UG/L	5 U	5 U	5 U	5 U	5 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 DEEP GROUNDWATER
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 TAL TOTAL METALS

Client Sample ID: Laboratory Sample ID: Date Sampled:	MINIMUM NONDETECTED	MAXIMUM NONDETECTED	MINIMUM DETECTED	MAXIMUM DETECTED	LOCATION OF MAXIMUM DETECTED	FREQUENCY OF DETECTION
	<u>UNITS</u>					
Aluminum	UG/L	NA	NA	247 J	12600 J	41-GW06DW-01 6/6
Antimony	UG/L	7.6 U	7.6 U	7.6 R	7.6 R	41-GW12DW-01 4/6
Arsenic	UG/L	2.2 U	2.2 U	3.71 J	9.58	41-GW06DW-01 3/6
Barium	UG/L	NA	NA	22.6	186	41-GW06DW-01 6/6
Beryllium	UG/L	3.21 U	3.21 U	ND	ND	0/6
Cadmium	UG/L	4.2 U	4.2 U	4.7	4.7	41-GW06DW-01 1/6
Calcium	UG/L	NA	NA	74300	434000	41-GW06DW-01 6/6
Chromium	UG/L	9.6 U	9.6 U	12.6	40.5	41-GW06DW-01 2/6
Cobalt	UG/L	31.2 U	42.6 U	ND	ND	0/6
Copper	UG/L	23.9 U	23.9 U	ND	ND	0/6
Iron	UG/L	NA	NA	691 J	15300	41-GW06DW-01 6/6
Lead	UG/L	1 U	1 U	1.88 J	11.1 J	41-GW06DW-01 5/6
Magnesium	UG/L	NA	NA	1630	6710	41-GW06DW-01 6/6
Manganese	UG/L	NA	NA	16.9	101	41-GW06DW-01 6/6
Mercury	UG/L	0.152 U	0.173 U	0.152	0.152	41-GW09DW-01 1/6
Nickel	UG/L	31.2 U	31.2 U	ND	ND	0/6
Potassium	UG/L	NA	NA	1030	13800	41-GW12DW-01 6/6
Selenium	UG/L	1.6 UJ	1.6 UJ	1.87 J	8.36 J	41-GW07DW-01 4/6
Silver	UG/L	NA	NA	1.6 R	62.8 J	41-GW12DW-01 6/6
Sodium	UG/L	NA	NA	8880	200000	41-GW12DW-01 6/6
Thallium	UG/L	3 U	3 U	ND	ND	0/6
Vanadium	UG/L	20.4 U	20.4 U	49.8	49.8	41-GW06DW-01 1/6
Zinc	UG/L	NA	NA	17.8	83.8	41-GW06DW-01 6/6
Total Cyanide	UG/L	5 U	5 U	ND	ND	0/6

APPENDIX O.13

SITE 41 DEEP GROUNDWATER DISSOLVED METALS

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 DEEP GROUNDWATER
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 TAL DISSOLVED METALS

Client Sample ID:	41-GW04DWD-01	41-GW06DWD-01	41-GW07DWD-01	41-GW09DWD-01	41-GW11DWD-01	41-GW12DWD-01
Laboratory Sample ID:	9402159-02A	9402163-04	9402162-04	9402162-02	9402163-02	9402159-04A
Date Sampled:						

	<u>UNITS</u>					
Aluminum	UG/L	139 U	139 U	139 U	139 U	139 U
Antimony	UG/L	12.1	15.6	11.4	12.1	14.9
Arsenic	UG/L	2.2 U	2.2 U	2.2 U	2.2 UJ	2.2 U
Barium	UG/L	17.8	45.1	16.8 U	16.8 U	97.3
Beryllium	UG/L	3.21 U	3.21 U	3.21 U	3.21 U	3.21 U
Cadmium	UG/L	4.2 U	4.2 U	4.2 U	4.2 U	4.2 U
Calcium	UG/L	50100	80100	64500	43300	188000
Chromium	UG/L	9.6 U	9.6 U	9.6 U	9.6 U	9.6 U
Cobalt	UG/L	31.2 U	42.6 U	42.6 U	42.6 U	42.6 U
Copper	UG/L	23.9 U	23.9 U	23.9 U	23.9 U	23.9 U
Iron	UG/L	71.1 U	71.1 U	71.1 U	71.1 U	243
Lead	UG/L	1 U	1 U	1 U	1 U	1 U
Magnesium	UG/L	1570	2610	2020	1840	6380
Manganese	UG/L	14.4 U	22.7	23.2	20.1	94
Mercury	UG/L	0.15 U	0.155 U	0.158 U	0.16 U	0.162 U
Nickel	UG/L	31.2 U	31.2 U	31.2 U	31.2 U	31.2 U
Potassium	UG/L	1210	1470	1070	938	3480
Selenium	UG/L	1.6 UJ	1.6 U	1.6 U	1.6 U	1.6 U
Silver	UG/L	1.6 R	1.6 U	1.6 U	1.6 U	1.6 UJ
Sodium	UG/L	13500	18600	9130	25100	108000
Thallium	UG/L	3 U	3 U	3 U	3 U	3 U
Vanadium	UG/L	20.4 U	20.4 U	20.4 U	20.4 U	20.4 U
Zinc	UG/L	15.8 U	15.8 U	15.8 U	15.8 U	15.8 U

FREQUENCY OF DETECTION SUMMARY
OPERABLE UNIT NO. 4 (SITE 41)
DEEP GROUNDWATER
MCB CAMP LEJEUNE, NORTH CAROLINA
REMEDIAL INVESTIGATION - CTO-0212
TAL DISSOLVED METALS

Client Sample ID:		MINIMUM	MAXIMUM	MINIMUM	MAXIMUM	LOCATION OF	FREQUENCY
Laboratory Sample ID:		NONDETECTED	NONDETECTED	DETECTED	DETECTED	MAXIMUM	OF
Date Sampled:		NONDETECTED	NONDETECTED	DETECTED	DETECTED	DETECTED	DETECTION
	<u>UNITS</u>						
Aluminum	UG/L	139 U	139 U	ND	ND		0/6
Antimony	UG/L	7.6 U	7.6 U	11.4	15.6	41-GW06DWD-01	5/6
Arsenic	UG/L	2.2 U	2.2 U	ND	ND		0/6
Barium	UG/L	16.8 U	16.8 U	17.8	97.3	41-GW11DWD-01	4/6
Beryllium	UG/L	3.21 U	3.21 U	ND	ND		0/6
Cadmium	UG/L	4.2 U	4.2 U	ND	ND		0/6
Calcium	UG/L	NA	NA	43300	188000	41-GW11DWD-01	6/6
Chromium	UG/L	9.6 U	9.6 U	ND	ND		0/6
Cobalt	UG/L	31.2 U	42.6 U	ND	ND		0/6
Copper	UG/L	23.9 U	23.9 U	ND	ND		0/6
Iron	UG/L	71.1 U	71.1 U	243	243	41-GW11DWD-01	1/6
Lead	UG/L	1 U	1 U	ND	ND		0/6
Magnesium	UG/L	NA	NA	1570	6740	41-GW12DWD-01	6/6
Manganese	UG/L	14.4 U	14.4 U	20.1	94	41-GW11DWD-01	5/6
Mercury	UG/L	0.15 U	0.162 U	ND	ND		0/6
Nickel	UG/L	31.2 U	31.2 U	ND	ND		0/6
Potassium	UG/L	NA	NA	938	16700	41-GW12DWD-01	6/6
Selenium	UG/L	1.6 UJ	1.6 UJ	7.23 J	7.23 J	41-GW12DWD-01	1/6
Silver	UG/L	1.6 U	1.6 U	1.6 R	1.6 R	41-GW12DWD-01	2/6
Sodium	UG/L	NA	NA	9130	244000	41-GW12DWD-01	6/6
Thallium	UG/L	3 U	3 U	ND	ND		0/6
Vanadium	UG/L	20.4 U	20.4 U	ND	ND		0/6
Zinc	UG/L	15.8 U	15.8 U	ND	ND		0/6

APPENDIX O.14
SITE 41 UNNAMED TRIBUTARY AND TANK CREEK
SURFACE WATER ORGANICS

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 UNNAMED TRIBUTARY AND TANK CREEK SURFACE WATER
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-TC-SW06	41-TC-SW07	41-TC-SW08	41-TC-SW09	41-NE-SW05	41-UN-SW01
Laboratory Sample ID:	9402081-05	9402080-01	9402081-01	9402081-02	9402093-01	9402063-03
Date Sampled:	02/06/94	02/07/94	02/06/94	02/06/94	02/08/94	02/04/94
	UNITS					
SEMIVOLATILES						
1,2-Dichlorobenzene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	14.0 U
1,2,4-Trichlorobenzene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	14.0 U
1,3-Dichlorobenzene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	14.0 U
1,4-Dichlorobenzene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	14.0 U
2-Chloronaphthalene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	14.0 U
2-Chlorophenol	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	14.0 U
2-Methylnaphthalene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	14.0 U
2-Methylphenol	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	14.0 U
2-Nitroaniline	UG/L	25.0 U	25.0 U	25.0 U	25.0 U	35.0 U
2-Nitrophenol	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	14.0 U
2,2'-oxybis-(1-chloropropane)	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	14.0 U
2,4-Dichlorophenol	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	14.0 U
2,4-Dimethylphenol	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	14.0 U
2,4-Dinitrophenol	UG/L	25.0 U	25.0 U	25.0 U	25.0 U	35.0 U
2,4-Dinitrotoluene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	14.0 U
2,4,5-Trichlorophenol	UG/L	25.0 U	25.0 U	25.0 U	25.0 U	35.0 U
2,4,6-Trichlorophenol	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	14.0 U
2,6-Dinitrotoluene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	14.0 U
3-Nitroaniline	UG/L	25.0 U	25.0 U	25.0 U	25.0 U	35.0 U
3,3'-Dichlorobenzidine	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	14.0 U
4-Bromophenyl-phenylether	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	14.0 U
4-Chloro-3-methylphenol	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	14.0 U
4-Chloroaniline	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	14.0 U
4-Chlorophenyl phenyl ether	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	14.0 U
4-Methylphenol	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	14.0 U
4-Nitroaniline	UG/L	25.0 U	25.0 U	25.0 U	25.0 U	35.0 U
4-Nitrophenol	UG/L	25.0 U	25.0 U	25.0 U	25.0 U	35.0 U
4,6-Dinitro-2-methylphenol	UG/L	25.0 U	25.0 U	25.0 U	25.0 U	35.0 U
Acenaphthene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	14.0 U
Acenaphthylene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	14.0 U
Anthracene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	14.0 U
Benzo[a]anthracene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	14.0 U
Benzo[a]pyrene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	14.0 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 UNNAMED TRIBUTARY AND TANK CREEK SURFACE WATER
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-TC-SW06	41-TC-SW07	41-TC-SW08	41-TC-SW09	41-NE-SW05	41-UN-SW01
Laboratory Sample ID:	9402081-05	9402080-01	9402081-01	9402081-02	9402093-01	9402063-03
Date Sampled:	02/06/94	02/07/94	02/06/94	02/06/94	02/08/94	02/04/94

UNITS

SEMIVOLATILES Cont.		41-TC-SW06	41-TC-SW07	41-TC-SW08	41-TC-SW09	41-NE-SW05	41-UN-SW01
Benzo[b]fluoranthene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	14.0 U
Benzo[g,h,i]perylene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	14.0 U
Benzo[k]fluoranthene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	14.0 U
bis(2-Chloroethoxy) methane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	14.0 U
bis(2-Chloroethyl) ether	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	14.0 U
bis(2-Ethylhexyl)phthalate	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	14.0 U
Butyl benzyl phthalate	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	14.0 U
Carbazole	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	14.0 U
Chrysene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	14.0 U
Dibenzofuran	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	14.0 U
Dibenz[a,h]anthracene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	14.0 U
Diethylphthalate	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	14.0 U
Dimethyl phthalate	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	14.0 U
di-n-Butylphthalate	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	14.0 U
di-n-Octylphthalate	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	14.0 U
Fluoranthene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	14.0 U
Fluorene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	14.0 U
Hexachlorobenzene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	14.0 U
Hexachlorobutadiene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	14.0 U
Hexachlorocyclopentadiene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	14.0 U
Hexachloroethane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	14.0 U
Indeno[1,2,3-cd]pyrene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	14.0 U
Isophorone	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	14.0 U
Naphthalene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	14.0 U
Nitrobenzene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	14.0 U
N-Nitroso-di-n-propylamine	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	14.0 U
N-nitrosodiphenylamine	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	14.0 U
Pentachlorophenol	UG/L	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U	35.0 U
Phenanthrene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	14.0 U
Phenol	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	14.0 U
Pyrene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	14.0 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 UNNAMED TRIBUTARY AND TANK CREEK SURFACE WATER
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-TC-SW06	41-TC-SW07	41-TC-SW08	41-TC-SW09	41-NE-SW05	41-UN-SW01
Laboratory Sample ID:	9402081-05	9402080-01	9402081-01	9402081-02	9402093-01	9402063-03
Date Sampled:	02/06/94	02/07/94	02/06/94	02/06/94	02/08/94	02/04/94
	UNITS					
<u>VOLATILES</u>						
Chloromethane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Bromomethane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Vinyl chloride	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Chloroethane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Methylene chloride	UG/L	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U
Acetone	UG/L	10.0 U	10.00 U	10.00 U	10.00 U	10.00 UJ
Carbon Disulfide	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
1,1-Dichloroethene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
1,1-Dichloroethane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
1,2-Dichloroethene(total)	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Chloroform	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
1,2-Dichloroethane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
2-Butanone	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
1,1,1-Trichloroethane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Carbon tetrachloride	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Bromodichloromethane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
1,2-Dichloropropane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
cis-1,3-Dichloropropene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Trichloroethene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Dibromochloromethane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
1,1,2-Trichloroethane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Benzene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
trans-1,3-Dichloropropene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Bromoform	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
4-Methyl-2-pentanone	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
2-Hexanone	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Tetrachloroethene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
1,1,2,2-Tetrachloroethane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Toluene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Chlorobenzene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Ethylbenzene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Styrene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Xylenes (total)	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 UNNAMED TRIBUTARY AND TANK CREEK SURFACE WATER
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-TC-SW06	41-TC-SW07	41-TC-SW08	41-TC-SW09	41-NE-SW05	41-UN-SW01
Laboratory Sample ID:	9402081-05	9402080-01	9402081-01	9402081-02	9402093-01	9402063-03
Date Sampled:	02/06/94	02/07/94	02/06/94	02/06/94	02/08/94	02/04/94
	UNITS					
<u>PESTICIDE/PCBS</u>						
alpha-BHC	UG/L	0.050 UJ	0.055 UJ	0.050 UJ	0.050 UJ	0.070 UJ
beta-BHC	UG/L	0.050 U	0.055 UJ	0.050 UJ	0.050 UJ	0.070 U
delta-BHC	UG/L	0.050 UJ	0.055 UJ	0.050 UJ	0.050 UJ	0.070 UJ
Lindane (gamma-BHC)	UG/L	0.050 U	0.055 UJ	0.050 UJ	0.050 UJ	0.070 U
Heptachlor	UG/L	0.050 U	0.055 UJ	0.030 UJ	0.050 UJ	0.070 U
Aldrin	UG/L	0.050 U	0.055 UJ	0.050 UJ	0.050 UJ	0.070 U
Heptachlor epoxide	UG/L	0.050 U	0.055 UJ	0.050 UJ	0.050 UJ	0.070 U
Endosulfan I	UG/L	0.050 U	0.055 UJ	0.050 UJ	0.050 UJ	0.070 U
Dieldrin	UG/L	0.100 U	0.110 UJ	0.100 UJ	0.100 UJ	0.140 U
4,4'-DDE	UG/L	0.100 U	0.110 UJ	0.100 UJ	0.100 UJ	0.140 U
Endrin	UG/L	0.100 U	0.110 UJ	0.100 UJ	0.100 UJ	0.140 U
Endosulfan II	UG/L	0.100 U	0.110 UJ	0.100 UJ	0.100 UJ	0.140 U
4,4'-DDD	UG/L	0.100 U	0.110 UJ	0.100 UJ	0.100 UJ	0.140 U
Endosulfan sulfate	UG/L	0.100 U	0.110 UJ	0.100 UJ	0.100 UJ	0.140 U
4,4'-DDT	UG/L	0.100 U	0.110 UJ	0.100 UJ	0.100 UJ	0.140 U
Methoxychlor	UG/L	0.500 U	0.550 UJ	0.500 UJ	0.500 UJ	0.700 U
Endrin ketone	UG/L	0.100 U	0.110 UJ	0.100 UJ	0.100 UJ	0.140 U
Endrin aldehyde	UG/L	0.100 U	0.110 UJ	0.100 UJ	0.100 UJ	0.140 U
alpha-Chlordane	UG/L	0.050 U	0.055 UJ	0.050 UJ	0.050 UJ	0.070 U
gamma-Chlordane	UG/L	0.050 U	0.055 UJ	0.050 UJ	0.050 UJ	0.070 U
Toxaphene	UG/L	5.00 U	5.50 UJ	5.00 UJ	5.00 UJ	7.00 U
Aroclor 1016	UG/L	1.00 U	1.10 UJ	1.00 UJ	1.00 UJ	1.40 U
Aroclor 1221	UG/L	2.00 U	2.20 UJ	2.00 UJ	2.00 UJ	2.80 U
Aroclor 1232	UG/L	1.00 U	1.10 UJ	1.00 UJ	1.00 UJ	1.40 U
Aroclor 1242	UG/L	1.00 U	1.10 UJ	1.00 UJ	1.00 UJ	1.40 U
Aroclor 1248	UG/L	1.00 U	1.10 UJ	1.00 UJ	1.00 UJ	1.40 U
Aroclor 1254	UG/L	1.00 U	1.10 UJ	1.00 UJ	1.00 UJ	1.40 U
Aroclor 1260	UG/L	1.00 U	1.10 UJ	1.00 UJ	1.00 UJ	1.40 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 UNNAMED TRIBUTARY AND TANK CREEK SURFACE WATER
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

	41-TC-SW06	41-TC-SW07	41-TC-SW08	41-TC-SW09	41-NE-SW05	41-UN-SW01
Client Sample ID:	41-TC-SW06	41-TC-SW07	41-TC-SW08	41-TC-SW09	41-NE-SW05	41-UN-SW01
Laboratory Sample ID:	9402081-05	9402080-01	9402081-01	9402081-02	9402093-01	9402063-03
Date Sampled:	02/06/94	02/07/94	02/06/94	02/06/94	02/08/94	02/04/94
	UNITS					
ORDNANCE						
1,3,5-Trinitrobenzene	UG/L	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
1,3-Dinitrobenzene	UG/L	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
2,4,6-Trinitrotoluene	UG/L	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
2,4-Dinitrotoluene	UG/L	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
2,6-Dinitrotoluene	UG/L	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
2-Amino-4,6-dinitrotoluene	UG/L	0.030 U	0.030 U	0.030 U	0.030 U	0.030 U
2-Nitrotoluene	UG/L	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
3-Nitrotoluene	UG/L	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
4-Amino-2,6-dinitrotoluene	UG/L	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U
4-Nitrotoluene	UG/L	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
HMX	UG/L	1.25 U	1.25 U	1.25 U	1.25 U	1.25 U
Nitrobenzene	UG/L	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
RDX	UG/L	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Tetryl	UG/L	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
MIREX						
Mirex	UG/L	50.0 UJ	50.0 U	50.0 U	50.0 UJ	14.000 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 UNNAMED TRIBUTARY AND TANK CREEK SURFACE WATER
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-UN-SW02	41-UN-SW03	41-UN-SW04	41-UN-SW10	41-UN-SW11	41-UN-SW12
Laboratory Sample ID:	9402067-01	9402039-01	9402039-03	9402022-01	9402063-01	9402067-02
Date Sampled:	02/03/94	02/01/94	02/01/94	02/01/94	02/04/94	02/04/94
	UNITS					
SEMIVOLATILES						
1,2-Dichlorobenzene	UG/L	14.3 U	12.0 U	11.0 U	11.0 U	14.3 U
1,2,4-Trichlorobenzene	UG/L	14.3 U	12.0 U	11.0 U	11.0 U	14.3 U
1,3-Dichlorobenzene	UG/L	14.3 U	12.0 U	11.0 U	11.0 U	14.3 U
1,4-Dichlorobenzene	UG/L	14.3 U	12.0 U	11.0 U	11.0 U	14.3 U
2-Chloronaphthalene	UG/L	14.3 U	12.0 U	11.0 U	11.0 U	14.3 U
2-Chlorophenol	UG/L	14.3 U	12.0 U	11.0 U	11.0 U	14.3 U
2-Methylnaphthalene	UG/L	14.3 U	12.0 U	11.0 U	11.0 U	14.3 U
2-Methylphenol	UG/L	14.3 U	12.0 U	11.0 U	11.0 U	14.3 U
2-Nitroaniline	UG/L	35.7 U	30.0 U	27.5 U	27.5 U	35.7 U
2-Nitrophenol	UG/L	14.3 U	12.0 U	11.0 U	11.0 U	14.3 U
2,2'-oxybis-(1-chloropropane)	UG/L	14.3 U	12.0 U	11.0 U	11.0 U	14.3 U
2,4-Dichlorophenol	UG/L	14.3 U	12.0 U	11.0 U	11.0 U	14.3 U
2,4-Dimethylphenol	UG/L	14.3 U	12.0 U	11.0 U	11.0 U	14.3 U
2,4-Dinitrophenol	UG/L	35.7 U	30.0 U	27.5 U	27.5 U	35.7 U
2,4-Dinitrotoluene	UG/L	14.3 U	12.0 U	11.0 U	11.0 U	14.3 U
2,4,5-Trichlorophenol	UG/L	35.7 U	30.0 U	27.5 U	27.5 U	35.7 U
2,4,6-Trichlorophenol	UG/L	14.3 U	12.0 U	11.0 U	11.0 U	14.3 U
2,6-Dinitrotoluene	UG/L	14.3 U	12.0 U	11.0 U	11.0 U	14.3 U
3-Nitroaniline	UG/L	35.7 U	30.0 U	27.5 U	27.5 U	35.7 U
3,3'-Dichlorobenzidine	UG/L	14.3 U	12.0 U	11.0 U	11.0 U	14.3 U
4-Bromophenyl-phenylether	UG/L	14.3 U	12.0 U	11.0 U	11.0 U	14.3 U
4-Chloro-3-methylphenol	UG/L	14.3 U	12.0 U	11.0 U	11.0 U	14.3 U
4-Chloroaniline	UG/L	14.3 U	12.0 U	11.0 U	11.0 U	14.3 U
4-Chlorophenyl phenyl ether	UG/L	14.3 U	12.0 U	11.0 U	11.0 U	14.3 U
4-Methylphenol	UG/L	14.3 U	12.0 U	11.0 U	11.0 U	14.3 U
4-Nitroaniline	UG/L	35.7 UJ	30.0 UJ	27.5 UJ	27.5 U	35.7 U
4-Nitrophenol	UG/L	35.7 U	30.0 U	27.5 U	27.5 U	35.7 U
4,6-Dinitro-2-methylphenol	UG/L	35.7 U	30.0 U	27.5 U	27.5 U	35.7 U
Acenaphthene	UG/L	14.3 U	12.0 U	11.0 U	11.0 U	14.3 U
Acenaphthylene	UG/L	14.3 U	12.0 U	11.0 U	11.0 U	14.3 U
Anthracene	UG/L	14.3 U	12.0 U	11.0 U	11.0 U	14.3 U
Benzo[a]anthracene	UG/L	14.3 U	12.0 U	11.0 U	11.0 U	14.3 U
Benzo[a]pyrene	UG/L	14.3 U	12.0 U	11.0 U	11.0 U	14.3 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 UNNAMED TRIBUTARY AND TANK CREEK SURFACE WATER
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-UN-SW02	41-UN-SW03	41-UN-SW04	41-UN-SW10	41-UN-SW11	41-UN-SW12
Laboratory Sample ID:	9402067-01	9402039-01	9402039-03	9402022-01	9402063-01	9402067-02
Date Sampled:	02/03/94	02/01/94	02/01/94	02/01/94	02/04/94	02/04/94

UNITS

SEMIVOLATILES Cont.

Benzo[b]fluoranthene	UG/L	14.3 U	12.0 U	11.0 U	11.0 U	14.0 U	14.3 U
Benzo[g,h,i]perylene	UG/L	14.3 U	12.0 U	11.0 U	11.0 U	14.0 U	14.3 U
Benzo[k]fluoranthene	UG/L	14.3 U	12.0 U	11.0 U	11.0 U	14.0 U	14.3 U
bis(2-Chloroethoxy) methane	UG/L	14.3 U	12.0 U	11.0 U	11.0 U	14.0 U	14.3 U
bis(2-Chloroethyl) ether	UG/L	14.3 U	12.0 U	11.0 U	11.0 U	14.0 U	14.3 U
bis(2-Ethylhexyl)phthalate	UG/L	14.3 U	12.0 U	11.0 U	11.0 U	14.0 U	14.3 U
Butyl benzyl phthalate	UG/L	14.3 U	12.0 U	11.0 U	11.0 U	14.0 U	14.3 U
Carbazole	UG/L	14.3 U	12.0 U	11.0 U	11.0 U	14.0 U	14.3 U
Chrysene	UG/L	14.3 U	12.0 U	11.0 U	11.0 U	14.0 U	14.3 U
Dibenzofuran	UG/L	14.3 U	12.0 U	11.0 U	11.0 U	14.0 U	14.3 U
Dibenz[a,h]anthracene	UG/L	14.3 U	12.0 U	11.0 U	11.0 U	14.0 U	14.3 U
Diethylphthalate	UG/L	14.3 U	12.0 U	11.0 U	11.0 U	14.0 U	14.3 U
Dimethyl phthalate	UG/L	14.3 U	12.0 U	11.0 U	11.0 U	14.0 U	14.3 U
dl-n-Butylphthalate	UG/L	14.3 U	12.00 U	11.0 U	11.00 U	14.0 U	14.3 U
dl-n-Octylphthalate	UG/L	14.3 U	12.0 U	11.0 U	11.0 U	14.0 U	14.3 U
Fluoranthene	UG/L	14.3 U	12.0 U	11.0 U	11.0 U	14.0 U	14.3 U
Fluorene	UG/L	14.3 U	12.0 U	11.0 U	11.0 U	14.0 U	14.3 U
Hexachlorobenzene	UG/L	14.3 U	12.0 U	11.0 U	11.0 U	14.0 U	14.3 U
Hexachlorobutadiene	UG/L	14.3 U	12.0 U	11.0 U	11.0 U	14.0 U	14.3 U
Hexachlorocyclopentadiene	UG/L	14.3 U	12.0 U	11.0 U	11.0 U	14.0 U	14.3 U
Hexachloroethane	UG/L	14.3 U	12.0 U	11.0 U	11.0 U	14.0 U	14.3 U
Indeno[1,2,3-cd]pyrene	UG/L	14.3 U	12.0 U	11.0 U	11.0 U	14.0 U	14.3 U
Isophorone	UG/L	14.3 U	12.0 U	11.0 U	11.0 U	14.0 U	14.3 U
Naphthalene	UG/L	14.3 U	12.0 U	11.0 U	11.0 U	14.0 U	14.3 U
Nitrobenzene	UG/L	14.3 U	12.0 U	11.0 U	11.0 U	14.0 U	14.3 U
N-Nitroso-di-n-propylamine	UG/L	14.3 U	12.0 U	11.0 U	11.0 U	14.0 U	14.3 U
N-nitrosodiphenylamine	UG/L	14.3 U	12.0 U	11.0 U	11.0 U	14.0 U	14.3 U
Pentachlorophenol	UG/L	35.7 U	30.0 U	27.5 U	27.5 U	35.0 U	35.7 U
Phenanthrene	UG/L	14.3 U	12.0 U	11.0 U	11.0 U	14.0 U	14.3 U
Phenol	UG/L	14.3 U	12.0 U	11.0 U	11.0 U	14.0 U	14.3 U
Pyrene	UG/L	14.3 U	12.0 U	11.0 U	11.0 U	14.0 U	14.3 U

FREQUENCY OF DETECTION SUMMARY
OPERABLE UNIT NO. 4 (SITE 41)
UNNAMED TRIBUTARY AND TANK CREEK SURFACE WATER
MCB CAMP LEJEUNE, NORTH CAROLINA
REMEDIAL INVESTIGATION - CTO-0212
ORGANICS

Client Sample ID:	41-UN-SW02	41-UN-SW03	41-UN-SW04	41-UN-SW10	41-UN-SW11	41-UN-SW12
Laboratory Sample ID:	9402067-01	9402039-01	9402039-03	9402022-01	9402063-01	9402067-02
Date Sampled:	02/03/94	02/01/94	02/01/94	02/01/94	02/04/94	02/04/94
	UNITS					
<u>VOLATILES</u>						
Chloromethane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Bromomethane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Vinyl chloride	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Chloroethane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Methylene chloride	UG/L	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U
Acetone	UG/L	10.00 UJ	10.00 UJ	10.00 UJ	10.00 UJ	10.00 U
Carbon Disulfide	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
1,1-Dichloroethene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
1,1-Dichloroethane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
1,2-Dichloroethene(total)	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Chloroform	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
1,2-Dichloroethane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
2-Butanone	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
1,1,1-Trichloroethane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Carbon tetrachloride	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Bromodichloromethane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
1,2-Dichloropropane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
cis-1,3-Dichloropropene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Trichloroethene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Dibromochloromethane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
1,1,2-Trichloroethane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Benzene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
trans-1,3-Dichloropropene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Bromoform	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
4-Methyl-2-pentanone	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
2-Hexanone	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Tetrachloroethene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
1,1,2,2-Tetrachloroethane	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Toluene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Chlorobenzene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	4.00 J
Ethylbenzene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Styrene	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Xylenes (total)	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 UNNAMED TRIBUTARY AND TANK CREEK SURFACE WATER
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-UN-SW02	41-UN-SW03	41-UN-SW04	41-UN-SW10	41-UN-SW11	41-UN-SW12	
Laboratory Sample ID:	9402067-01	9402039-01	9402039-03	9402022-01	9402063-01	9402067-02	
Date Sampled:	02/03/94	02/01/94	02/01/94	02/01/94	02/04/94	02/04/94	
	UNITS						
<u>PESTICIDE/PCBS</u>							
alpha-BHC	UG/L	0.085 UJ	0.050 UJ	0.050 UJ	0.050 UJ	0.085 UJ	0.080 UJ
beta-BHC	UG/L	0.085 UJ	0.050 UJ	0.050 UJ	0.050 UJ	0.085 UJ	0.080 UJ
delta-BHC	UG/L	0.085 UJ	0.050 UJ	0.050 UJ	0.050 UJ	0.085 UJ	0.080 UJ
Lindane (gamma-BHC)	UG/L	0.020 J	0.050 UJ	0.050 UJ	0.050 UJ	0.085 UJ	0.080 UJ
Heptachlor	UG/L	0.080 UJ	0.020 UJ	0.030 UJ	0.010 UJ	0.085 UJ	0.080 UJ
Aldrin	UG/L	0.085 UJ	0.050 UJ	0.050 UJ	0.050 UJ	0.085 UJ	0.080 UJ
Heptachlor epoxide	UG/L	0.085 UJ	0.050 UJ	0.050 UJ	0.050 UJ	0.085 UJ	0.080 UJ
Endosulfan I	UG/L	0.085 UJ	0.050 UJ	0.050 UJ	0.050 UJ	0.085 UJ	0.080 UJ
Dieldrin	UG/L	0.170 UJ	0.100 UJ	0.100 UJ	0.100 UJ	0.170 UJ	0.160 UJ
4,4'-DDE	UG/L	0.170 UJ	0.100 UJ	0.100 UJ	0.100 UJ	0.170 UJ	0.160 UJ
Endrin	UG/L	0.170 UJ	0.100 UJ	0.100 UJ	0.100 UJ	0.170 UJ	0.160 UJ
Endosulfan II	UG/L	0.170 UJ	0.100 UJ	0.100 UJ	0.100 UJ	0.170 UJ	0.160 UJ
4,4'-DDD	UG/L	0.170 UJ	0.100 UJ	0.100 UJ	0.100 UJ	0.170 UJ	0.160 UJ
Endosulfan sulfate	UG/L	0.170 UJ	0.100 UJ	0.100 UJ	0.100 UJ	0.170 UJ	0.160 UJ
4,4'-DDT	UG/L	0.030 J	0.100 UJ	0.100 UJ	0.100 UJ	0.170 UJ	0.160 UJ
Methoxychlor	UG/L	0.850 UJ	0.500 UJ	0.500 UJ	0.500 UJ	0.850 UJ	0.800 UJ
Endrin ketone	UG/L	0.170 UJ	0.100 UJ	0.100 UJ	0.100 UJ	0.170 UJ	0.160 UJ
Endrin aldehyde	UG/L	0.170 UJ	0.100 UJ	0.100 UJ	0.100 UJ	0.170 UJ	0.160 UJ
alpha-Chlordane	UG/L	0.085 UJ	0.050 UJ	0.050 UJ	0.050 UJ	0.085 UJ	0.080 UJ
gamma-Chlordane	UG/L	0.085 UJ	0.050 UJ	0.050 UJ	0.050 UJ	0.085 UJ	0.080 UJ
Toxaphene	UG/L	8.50 UJ	5.00 UJ	5.00 UJ	5.00 UJ	8.50 UJ	8.00 UJ
Aroclor 1016	UG/L	1.70 UJ	1.00 UJ	1.00 UJ	1.00 UJ	1.70 UJ	1.60 UJ
Aroclor 1221	UG/L	3.40 UJ	2.00 UJ	2.00 UJ	2.00 UJ	3.40 UJ	3.20 UJ
Aroclor 1232	UG/L	1.70 UJ	1.00 UJ	1.00 UJ	1.00 UJ	1.70 UJ	1.60 UJ
Aroclor 1242	UG/L	1.70 UJ	1.00 UJ	1.00 UJ	1.00 UJ	1.70 UJ	1.60 UJ
Aroclor 1248	UG/L	1.70 UJ	1.00 UJ	1.00 UJ	1.00 UJ	1.70 UJ	1.60 UJ
Aroclor 1254	UG/L	1.70 UJ	1.00 UJ	1.00 UJ	1.00 UJ	1.70 UJ	1.60 UJ
Aroclor 1260	UG/L	1.70 UJ	1.00 UJ	1.00 UJ	1.00 UJ	1.70 UJ	1.60 UJ

FREQUENCY OF DETECTION SUMMARY
OPERABLE UNIT NO. 4 (SITE 41)
UNNAMED TRIBUTARY AND TANK CREEK SURFACE WATER
MCB CAMP LEJEUNE, NORTH CAROLINA
REMEDIAL INVESTIGATION - CTO-0212
ORGANICS

Client Sample ID:	41-UN-SW02	41-UN-SW03	41-UN-SW04	41-UN-SW10	41-UN-SW11	41-UN-SW12
Laboratory Sample ID:	9402067-01	9402039-01	9402039-03	9402022-01	9402063-01	9402067-02
Date Sampled:	02/03/94	02/01/94	02/01/94	02/01/94	02/04/94	02/04/94
	<u>UNITS</u>					
ORDNANCE						
1,3,5-Trinitrobenzene	UG/L	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
1,3-Dinitrobenzene	UG/L	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
2,4,6-Trinitrotoluene	UG/L	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
2,4-Dinitrotoluene	UG/L	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
2,6-Dinitrotoluene	UG/L	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
2-Amino-4,6-dinitrotoluene	UG/L	0.030 U	0.030 U	0.030 U	0.030 U	0.030 U
2-Nitrotoluene	UG/L	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
3-Nitrotoluene	UG/L	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
4-Amino-2,6-dinitrotoluene	UG/L	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U
4-Nitrotoluene	UG/L	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
HMX	UG/L	1.25 U	1.25 U	1.25 U	1.25 U	1.25 U
Nitrobenzene	UG/L	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
RDX	UG/L	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Tetryl	UG/L	0.500 UJ	0.500 UJ	0.500 UJ	0.500 UJ	0.500 UJ
MIREX						
Mirex	UG/L	71.5 U	12.0 U	11.0 U	11.0 U	14.000 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 UNNAMED TRIBUTARY AND TANK CREEK SURFACE WATER
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-UN-SW-13	41-UN-SW-14	41-UN-SW15	41-UN-SW16	41-UN-SW17	41-UN-SW18
Laboratory Sample ID:	9402060-03	9402060-01	AB7581	AB7578	AB7574	AB7570
Date Sampled:	02/03/94	02/03/94	08/23/94	08/23/94	08/23/94	08/23/94

UNITS

SEMIVOLATILES

1,2-Dichlorobenzene	UG/L	11.0 U	12.0 U	NA	NA	NA	NA
1,2,4-Trichlorobenzene	UG/L	11.0 U	12.0 U	NA	NA	NA	NA
1,3-Dichlorobenzene	UG/L	11.0 U	12.0 U	NA	NA	NA	NA
1,4-Dichlorobenzene	UG/L	11.0 U	12.0 U	NA	NA	NA	NA
2-Chloronaphthalene	UG/L	11.0 U	12.0 U	NA	NA	NA	NA
2-Chlorophenol	UG/L	11.0 U	12.0 U	NA	NA	NA	NA
2-Methylnaphthalene	UG/L	11.0 U	12.0 U	NA	NA	NA	NA
2-Methylphenol	UG/L	11.0 U	12.0 U	NA	NA	NA	NA
2-Nitroaniline	UG/L	27.5 U	30.0 U	NA	NA	NA	NA
2-Nitrophenol	UG/L	11.0 U	12.0 U	NA	NA	NA	NA
2,2'-oxybis-(1-chloropropane)	UG/L	11.0 U	12.0 U	NA	NA	NA	NA
2,4-Dichlorophenol	UG/L	11.0 U	12.0 U	NA	NA	NA	NA
2,4-Dimethylphenol	UG/L	11.0 U	12.0 U	NA	NA	NA	NA
2,4-Dinitrophenol	UG/L	27.5 U	30.0 U	NA	NA	NA	NA
2,4-Dinitrotoluene	UG/L	11.0 U	12.0 U	NA	NA	NA	NA
2,4,5-Trichlorophenol	UG/L	27.5 U	30.0 U	NA	NA	NA	NA
2,4,6-Trichlorophenol	UG/L	11.0 U	12.0 U	NA	NA	NA	NA
2,6-Dinitrotoluene	UG/L	11.0 U	12.0 U	NA	NA	NA	NA
3-Nitroaniline	UG/L	27.5 U	30.0 U	NA	NA	NA	NA
3,3'-Dichlorobenzidine	UG/L	11.0 U	12.0 U	NA	NA	NA	NA
4-Bromophenyl-phenylether	UG/L	11.0 U	12.0 U	NA	NA	NA	NA
4-Chloro-3-methylphenol	UG/L	11.0 U	12.0 U	NA	NA	NA	NA
4-Chloroaniline	UG/L	11.0 U	12.0 U	NA	NA	NA	NA
4-Chlorophenyl phenyl ether	UG/L	11.0 U	12.0 U	NA	NA	NA	NA
4-Methylphenol	UG/L	11.0 U	12.0 U	NA	NA	NA	NA
4-Nitroaniline	UG/L	27.5 U	30.0 U	NA	NA	NA	NA
4-Nitrophenol	UG/L	27.5 U	30.0 U	NA	NA	NA	NA
4,6-Dinitro-2-methylphenol	UG/L	27.5 U	30.0 U	NA	NA	NA	NA
Acenaphthene	UG/L	11.0 U	12.0 U	NA	NA	NA	NA
Acenaphthylene	UG/L	11.0 U	12.0 U	NA	NA	NA	NA
Anthracene	UG/L	11.0 U	12.0 U	NA	NA	NA	NA
Benzo[a]anthracene	UG/L	11.0 U	12.0 U	NA	NA	NA	NA
Benzo[a]pyrene	UG/L	11.0 U	12.0 U	NA	NA	NA	NA

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 UNNAMED TRIBUTARY AND TANK CREEK SURFACE WATER
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-UN-SW-13	41-UN-SW-14	41-UN-SW15	41-UN-SW16	41-UN-SW17	41-UN-SW18
Laboratory Sample ID:	9402060-03	9402060-01	AB7581	AB7578	AB7574	AB7570
Date Sampled:	02/03/94	02/03/94	08/23/94	08/23/94	08/23/94	08/23/94

UNITS

SEMIVOLATILES Cont.

Benzo[b]fluoranthene	UG/L	11.0 U	12.0 U	NA	NA	NA	NA
Benzo[g,h,i]perylene	UG/L	11.0 U	12.0 U	NA	NA	NA	NA
Benzo[k]fluoranthene	UG/L	11.0 U	12.0 U	NA	NA	NA	NA
bis(2-Chloroethoxy) methane	UG/L	11.0 U	12.0 U	NA	NA	NA	NA
bis(2-Chloroethyl) ether	UG/L	11.0 U	12.0 U	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	UG/L	11.0 U	12.0 U	NA	NA	NA	NA
Butyl benzyl phthalate	UG/L	11.0 U	12.0 U	NA	NA	NA	NA
Carbazole	UG/L	11.0 U	12.0 U	NA	NA	NA	NA
Chrysene	UG/L	11.0 U	12.0 U	NA	NA	NA	NA
Dibenzofuran	UG/L	11.0 U	12.0 U	NA	NA	NA	NA
Dibenz[a,h]anthracene	UG/L	11.0 U	12.0 U	NA	NA	NA	NA
Diethylphthalate	UG/L	11.0 U	12.0 U	NA	NA	NA	NA
Dimethyl phthalate	UG/L	11.0 U	12.0 U	NA	NA	NA	NA
di-n-Butylphthalate	UG/L	11.0 U	12.0 U	NA	NA	NA	NA
di-n-Octylphthalate	UG/L	11.0 U	12.0 U	NA	NA	NA	NA
Fluoranthene	UG/L	11.0 U	12.0 U	NA	NA	NA	NA
Fluorene	UG/L	11.0 U	12.0 U	NA	NA	NA	NA
Hexachlorobenzene	UG/L	11.0 U	12.0 U	NA	NA	NA	NA
Hexachlorobutadiene	UG/L	11.0 U	12.0 U	NA	NA	NA	NA
Hexachlorocyclopentadiene	UG/L	11.0 U	12.0 U	NA	NA	NA	NA
Hexachloroethane	UG/L	11.0 U	12.0 U	NA	NA	NA	NA
Indeno[1,2,3-cd]pyrene	UG/L	11.0 U	12.0 U	NA	NA	NA	NA
Isophorone	UG/L	11.0 U	12.0 U	NA	NA	NA	NA
Naphthalene	UG/L	11.0 U	12.0 U	NA	NA	NA	NA
Nitrobenzene	UG/L	11.0 U	12.0 U	NA	NA	NA	NA
N-Nitroso-di-n-propylamine	UG/L	11.0 U	12.0 U	NA	NA	NA	NA
N-nitrosodiphenylamine	UG/L	11.0 U	12.0 U	NA	NA	NA	NA
Pentachlorophenol	UG/L	27.5 U	30.0 U	NA	NA	NA	NA
Phenanthrene	UG/L	11.0 U	12.0 U	NA	NA	NA	NA
Phenol	UG/L	11.0 U	12.0 U	NA	NA	NA	NA
Pyrene	UG/L	11.0 U	12.0 U	NA	NA	NA	NA

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 UNNAMED TRIBUTARY AND TANK CREEK SURFACE WATER
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-UN-SW-13	41-UN-SW-14	41-UN-SW15	41-UN-SW16	41-UN-SW17	41-UN-SW18
Laboratory Sample ID:	9402060-03	9402060-01	AB7581	AB7578	AB7574	AB7570
Date Sampled:	02/03/94	02/03/94	08/23/94	08/23/94	08/23/94	08/23/94
	UNITS					
VOLATILES						
Chloromethane	UG/L	10.0 U	10.0 U	NA	NA	NA
Bromomethane	UG/L	10.0 U	10.0 U	NA	NA	NA
Vinyl chloride	UG/L	10.0 U	10.0 U	NA	NA	NA
Chloroethane	UG/L	10.0 U	10.0 U	NA	NA	NA
Methylene chloride	UG/L	10.00 U	10.00 U	NA	NA	NA
Acetone	UG/L	39.0 UJ	12.0 UJ	NA	NA	NA
Carbon Disulfide	UG/L	10.0 U	10.0 U	NA	NA	NA
1,1-Dichloroethene	UG/L	10.0 U	10.0 U	NA	NA	NA
1,1-Dichloroethane	UG/L	10.0 U	10.0 U	NA	NA	NA
1,2-Dichloroethene(total)	UG/L	10.0 U	10.0 U	NA	NA	NA
Chloroform	UG/L	10.0 U	10.0 U	NA	NA	NA
1,2-Dichloroethane	UG/L	10.0 U	10.0 U	NA	NA	NA
2-Butanone	UG/L	10.0 U	10.0 U	NA	NA	NA
1,1,1-Trichloroethane	UG/L	10.0 U	10.0 U	NA	NA	NA
Carbon tetrachloride	UG/L	10.0 U	10.0 U	NA	NA	NA
Bromodichloromethane	UG/L	10.0 U	10.0 U	NA	NA	NA
1,2-Dichloropropane	UG/L	10.0 U	10.0 U	NA	NA	NA
cis-1,3-Dichloropropene	UG/L	10.0 U	10.0 U	NA	NA	NA
Trichloroethene	UG/L	10.0 U	10.0 U	NA	NA	NA
Dibromochloromethane	UG/L	10.0 U	10.0 U	NA	NA	NA
1,1,2-Trichloroethane	UG/L	10.0 U	10.0 U	NA	NA	NA
Benzene	UG/L	10.0 U	10.0 U	NA	NA	NA
trans-1,3-Dichloropropene	UG/L	10.0 U	10.0 U	NA	NA	NA
Bromoform	UG/L	10.0 U	10.0 U	NA	NA	NA
4-Methyl-2-pentanone	UG/L	10.0 U	10.0 U	NA	NA	NA
2-Hexanone	UG/L	10.0 U	10.0 U	NA	NA	NA
Tetrachloroethene	UG/L	10.0 U	10.0 U	NA	NA	NA
1,1,2,2-Tetrachloroethane	UG/L	10.0 U	10.0 U	NA	NA	NA
Toluene	UG/L	10.0 U	10.0 U	NA	NA	NA
Chlorobenzene	UG/L	10.0 U	1.00 J	NA	NA	NA
Ethylbenzene	UG/L	10.0 U	10.0 U	NA	NA	NA
Styrene	UG/L	10.0 U	10.0 U	NA	NA	NA
Xylenes (total)	UG/L	10.0 U	10.0 U	NA	NA	NA

FREQUENCY OF DETECTION SUMMARY
OPERABLE UNIT NO. 4 (SITE 41)
UNNAMED TRIBUTARY AND TANK CREEK SURFACE WATER
MCB CAMP LEJEUNE, NORTH CAROLINA
REMEDIAL INVESTIGATION - CTO-0212
ORGANICS

Client Sample ID:	41-UN-SW-13	41-UN-SW-14	41-UN-SW15	41-UN-SW16	41-UN-SW17	41-UN-SW18	
Laboratory Sample ID:	9402060-03	9402060-01	AB7581	AB7578	AB7574	AB7570	
Date Sampled:	02/03/94	02/03/94	08/23/94	08/23/94	08/23/94	08/23/94	
	UNITS						
PESTICIDE/PCBS							
alpha-BHC	UG/L	0.050 UJ	0.050 UJ	0.052 U	0.05 U	0.057 U	0.053 U
beta-BHC	UG/L	0.050 UJ	0.050 UJ	0.052 U	0.05 U	0.057 U	0.053 U
delta-BHC	UG/L	0.050 UJ	0.050 UJ	0.052 U	0.05 U	0.057 U	0.053 U
Lindane (gamma-BHC)	UG/L	0.050 UJ	0.050 UJ	0.052 U	0.05 U	0.057 U	0.053 U
Heptachlor	UG/L	0.050 UJ	0.050 UJ	0.052 U	0.05 U	0.057 U	0.053 U
Aldrin	UG/L	0.050 UJ	0.050 UJ	0.052 U	0.05 U	0.057 U	0.053 U
Heptachlor epoxide	UG/L	0.050 UJ	0.050 UJ	0.052 U	0.05 U	0.057 U	0.053 U
Endosulfan I	UG/L	0.050 UJ	0.050 UJ	0.052 U	0.05 U	0.057 U	0.053 U
Dieldrin	UG/L	0.100 UJ	0.100 UJ	0.1 U	0.1 U	0.11 U	0.11 U
4,4'-DDE	UG/L	0.100 UJ	0.100 UJ	0.1 U	0.1 U	0.11 U	0.11 U
Endrin	UG/L	0.100 UJ	0.100 UJ	0.1 U	0.1 U	0.11 U	0.11 U
Endosulfan II	UG/L	0.100 UJ	0.100 UJ	0.1 U	0.1 U	0.11 U	0.11 U
4,4'-DDD	UG/L	0.100 UJ	0.100 UJ	0.1 U	0.1 U	0.11 U	0.11 U
Endosulfan sulfate	UG/L	0.100 UJ	0.100 UJ	0.1 U	0.1 U	0.11 U	0.11 U
4,4'-DDT	UG/L	0.100 UJ	0.100 UJ	0.1 U	0.1 U	0.11 U	0.11 U
Methoxychlor	UG/L	0.500 UJ	0.500 UJ	0.52 U	0.5 U	0.57 U	0.53 U
Endrin ketone	UG/L	0.100 UJ	0.100 UJ	0.1 U	0.1 U	0.11 U	0.11 U
Endrin aldehyde	UG/L	0.100 UJ	0.100 UJ	0.1 U	0.1 U	0.11 U	0.11 U
alpha-Chlordane	UG/L	0.050 UJ	0.050 UJ	0.052 U	0.05 U	0.057 U	0.053 U
gamma-Chlordane	UG/L	0.050 UJ	0.050 UJ	0.052 U	0.05 U	0.057 U	0.053 U
Toxaphene	UG/L	5.00 UJ	5.00 UJ	5.2 U	5 U	5.7 U	5.3 U
Aroclor 1016	UG/L	1.00 UJ	1.00 UJ	1 U	1 U	1.1 U	1.1 U
Aroclor 1221	UG/L	2.00 UJ	2.00 UJ	2.1 U	2 U	2.3 U	2.1 U
Aroclor 1232	UG/L	1.00 UJ	1.00 UJ	1 U	1 U	1.1 U	1.1 U
Aroclor 1242	UG/L	1.00 UJ	1.00 UJ	1 U	1 U	1.1 U	1.1 U
Aroclor 1248	UG/L	1.00 UJ	1.00 UJ	1 U	1 U	1.1 U	1.1 U
Aroclor 1254	UG/L	1.00 UJ	1.00 UJ	1 U	1 U	1.1 U	1.1 U
Aroclor 1260	UG/L	1.00 UJ	1.00 UJ	1 U	1 U	1.1 U	1.1 U

FREQUENCY OF DETECTION SUMMARY
OPERABLE UNIT NO. 4 (SITE 41)
UNNAMED TRIBUTARY AND TANK CREEK SURFACE WATER
MCB CAMP LEJEUNE, NORTH CAROLINA
REMEDIAL INVESTIGATION - CTO-0212
ORGANICS

Client Sample ID:	41-UN-SW-13	41-UN-SW-14	41-UN-SW15	41-UN-SW16	41-UN-SW17	41-UN-SW18
Laboratory Sample ID:	9402060-03	9402060-01	AB7581	AB7578	AB7574	AB7570
Date Sampled:	02/03/94	02/03/94	08/23/94	08/23/94	08/23/94	08/23/94
	UNITS					
ORDNANCE						
1,3,5-Trinitrobenzene	UG/L	0.500 U	0.500 U	NA	NA	NA
1,3-Dinitrobenzene	UG/L	0.500 U	0.500 U	NA	NA	NA
2,4,6-Trinitrotoluene	UG/L	0.500 U	0.500 U	NA	NA	NA
2,4-Dinitrotoluene	UG/L	0.500 U	0.500 U	NA	NA	NA
2,6-Dinitrotoluene	UG/L	0.500 U	0.500 UJ	NA	NA	NA
2-Amino-4,6-dinitrotoluene	UG/L	0.030 U	0.030 U	NA	NA	NA
2-Nitrotoluene	UG/L	0.500 U	0.500 U	NA	NA	NA
3-Nitrotoluene	UG/L	0.500 U	0.500 U	NA	NA	NA
4-Amino-2,6-dinitrotoluene	UG/L	0.020 UJ	0.020 U	NA	NA	NA
4-Nitrotoluene	UG/L	0.500 U	0.500 U	NA	NA	NA
HMX	UG/L	1.25 U	1.25 U	NA	NA	NA
Nitrobenzene	UG/L	0.500 U	0.500 U	NA	NA	NA
RDX	UG/L	0.500 U	0.500 U	NA	NA	NA
Tetryl	UG/L	0.5 R	0.5 R	NA	NA	NA
MIREX						
Mirex	UG/L	11.0 U	12.0 U	NA	NA	NA

FREQUENCY OF DETECTION SUMMARY
OPERABLE UNIT NO. 4 (SITE 41)
UNNAMED TRIBUTARY AND TANK CREEK SURFACE WATER
MCB CAMP LEJEUNE, NORTH CAROLINA
REMEDIAL INVESTIGATION - CTO-0212
ORGANICS

Client Sample ID:	41-UN-SW19	41-UN-SW20	41-UN-SW21	41-UN-SW22	41-UN-SW23	41-UN-SW24
Laboratory Sample ID:	AB7567	AB7564	AB7561	AB7558	AB7555	AB7552
Date Sampled:	08/23/94	08/23/94	08/23/94	08/23/94	08/23/94	08/23/94
	<u>UNITS</u>					
<u>SEMIVOLATILES</u>						
1,2-Dichlorobenzene	UG/L	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	UG/L	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	UG/L	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	UG/L	NA	NA	NA	NA	NA
2-Chloronaphthalene	UG/L	NA	NA	NA	NA	NA
2-Chlorophenol	UG/L	NA	NA	NA	NA	NA
2-Methylnaphthalene	UG/L	NA	NA	NA	NA	NA
2-Methylphenol	UG/L	NA	NA	NA	NA	NA
2-Nitroaniline	UG/L	NA	NA	NA	NA	NA
2-Nitrophenol	UG/L	NA	NA	NA	NA	NA
2,2'-oxybis-(1-chloropropane)	UG/L	NA	NA	NA	NA	NA
2,4-Dichlorophenol	UG/L	NA	NA	NA	NA	NA
2,4-Dimethylphenol	UG/L	NA	NA	NA	NA	NA
2,4-Dinitrophenol	UG/L	NA	NA	NA	NA	NA
2,4-Dinitrotoluene	UG/L	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	UG/L	NA	NA	NA	NA	NA
2,4,6-Trichlorophenol	UG/L	NA	NA	NA	NA	NA
2,6-Dinitrotoluene	UG/L	NA	NA	NA	NA	NA
3-Nitroaniline	UG/L	NA	NA	NA	NA	NA
3,3'-Dichlorobenzidine	UG/L	NA	NA	NA	NA	NA
4-Bromophenyl-phenylether	UG/L	NA	NA	NA	NA	NA
4-Chloro-3-methylphenol	UG/L	NA	NA	NA	NA	NA
4-Chloroaniline	UG/L	NA	NA	NA	NA	NA
4-Chlorophenyl phenyl ether	UG/L	NA	NA	NA	NA	NA
4-Methylphenol	UG/L	NA	NA	NA	NA	NA
4-Nitroaniline	UG/L	NA	NA	NA	NA	NA
4-Nitrophenol	UG/L	NA	NA	NA	NA	NA
4,6-Dinitro-2-methylphenol	UG/L	NA	NA	NA	NA	NA
Acenaphthene	UG/L	NA	NA	NA	NA	NA
Acenaphthylene	UG/L	NA	NA	NA	NA	NA
Anthracene	UG/L	NA	NA	NA	NA	NA
Benzo[a]anthracene	UG/L	NA	NA	NA	NA	NA
Benzo[a]pyrene	UG/L	NA	NA	NA	NA	NA

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 UNNAMED TRIBUTARY AND TANK CREEK SURFACE WATER
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-UN-SW19	41-UN-SW20	41-UN-SW21	41-UN-SW22	41-UN-SW23	41-UN-SW24
Laboratory Sample ID:	AB7567	AB7564	AB7561	AB7558	AB7555	AB7552
Date Sampled:	08/23/94	08/23/94	08/23/94	08/23/94	08/23/94	08/23/94

UNITS

SEMIVOLATILES Cont.

	41-UN-SW19	41-UN-SW20	41-UN-SW21	41-UN-SW22	41-UN-SW23	41-UN-SW24
Benzo[b]fluoranthene	UG/L	NA	NA	NA	NA	NA
Benzo[g,h,i]perylene	UG/L	NA	NA	NA	NA	NA
Benzo[k]fluoranthene	UG/L	NA	NA	NA	NA	NA
bis(2-Chloroethoxy) methane	UG/L	NA	NA	NA	NA	NA
bis(2-Chloroethyl) ether	UG/L	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	UG/L	NA	NA	NA	NA	NA
Butyl benzyl phthalate	UG/L	NA	NA	NA	NA	NA
Carbazole	UG/L	NA	NA	NA	NA	NA
Chrysene	UG/L	NA	NA	NA	NA	NA
Dibenzofuran	UG/L	NA	NA	NA	NA	NA
Dibenz[a,h]anthracene	UG/L	NA	NA	NA	NA	NA
Diethylphthalate	UG/L	NA	NA	NA	NA	NA
Dimethyl phthalate	UG/L	NA	NA	NA	NA	NA
di-n-Butylphthalate	UG/L	NA	NA	NA	NA	NA
di-n-Octylphthalate	UG/L	NA	NA	NA	NA	NA
Fluoranthene	UG/L	NA	NA	NA	NA	NA
Fluorene	UG/L	NA	NA	NA	NA	NA
Hexachlorobenzene	UG/L	NA	NA	NA	NA	NA
Hexachlorobutadiene	UG/L	NA	NA	NA	NA	NA
Hexachlorocyclopentadiene	UG/L	NA	NA	NA	NA	NA
Hexachloroethane	UG/L	NA	NA	NA	NA	NA
Indeno[1,2,3-cd]pyrene	UG/L	NA	NA	NA	NA	NA
Isophorone	UG/L	NA	NA	NA	NA	NA
Naphthalene	UG/L	NA	NA	NA	NA	NA
Nitrobenzene	UG/L	NA	NA	NA	NA	NA
N-Nitroso-di-n-propylamine	UG/L	NA	NA	NA	NA	NA
N-nitrosodiphenylamine	UG/L	NA	NA	NA	NA	NA
Pentachlorophenol	UG/L	NA	NA	NA	NA	NA
Phenanthrene	UG/L	NA	NA	NA	NA	NA
Phenol	UG/L	NA	NA	NA	NA	NA
Pyrene	UG/L	NA	NA	NA	NA	NA

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 UNNAMED TRIBUTARY AND TANK CREEK SURFACE WATER
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-UN-SW19	41-UN-SW20	41-UN-SW21	41-UN-SW22	41-UN-SW23	41-UN-SW24
Laboratory Sample ID:	AB7567	AB7564	AB7561	AB7558	AB7555	AB7552
Date Sampled:	08/23/94	08/23/94	08/23/94	08/23/94	08/23/94	08/23/94
	UNITS					
<u>VOLATILES</u>						
Chloromethane	UG/L	NA	NA	NA	NA	NA
Bromomethane	UG/L	NA	NA	NA	NA	NA
Vinyl chloride	UG/L	NA	NA	NA	NA	NA
Chloroethane	UG/L	NA	NA	NA	NA	NA
Methylene chloride	UG/L	NA	NA	NA	NA	NA
Acetone	UG/L	NA	NA	NA	NA	NA
Carbon Disulfide	UG/L	NA	NA	NA	NA	NA
1,1-Dichloroethene	UG/L	NA	NA	NA	NA	NA
1,1-Dichloroethane	UG/L	NA	NA	NA	NA	NA
1,2-Dichloroethene(total)	UG/L	NA	NA	NA	NA	NA
Chloroform	UG/L	NA	NA	NA	NA	NA
1,2-Dichloroethane	UG/L	NA	NA	NA	NA	NA
2-Butanone	UG/L	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	UG/L	NA	NA	NA	NA	NA
Carbon tetrachloride	UG/L	NA	NA	NA	NA	NA
Bromodichloromethane	UG/L	NA	NA	NA	NA	NA
1,2-Dichloropropane	UG/L	NA	NA	NA	NA	NA
cis-1,3-Dichloropropene	UG/L	NA	NA	NA	NA	NA
Trichloroethene	UG/L	NA	NA	NA	NA	NA
Dibromochloromethane	UG/L	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	UG/L	NA	NA	NA	NA	NA
Benzene	UG/L	NA	NA	NA	NA	NA
trans-1,3-Dichloropropene	UG/L	NA	NA	NA	NA	NA
Bromoform	UG/L	NA	NA	NA	NA	NA
4-Methyl-2-pentanone	UG/L	NA	NA	NA	NA	NA
2-Hexanone	UG/L	NA	NA	NA	NA	NA
Tetrachloroethene	UG/L	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	UG/L	NA	NA	NA	NA	NA
Toluene	UG/L	NA	NA	NA	NA	NA
Chlorobenzene	UG/L	NA	NA	NA	NA	NA
Ethylbenzene	UG/L	NA	NA	NA	NA	NA
Styrene	UG/L	NA	NA	NA	NA	NA
Xylenes (total)	UG/L	NA	NA	NA	NA	NA

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 UNNAMED TRIBUTARY AND TANK CREEK SURFACE WATER
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-UN-SW19	41-UN-SW20	41-UN-SW21	41-UN-SW22	41-UN-SW23	41-UN-SW24
Laboratory Sample ID:	AB7567	AB7564	AB7561	AB7558	AB7555	AB7552
Date Sampled:	08/23/94	08/23/94	08/23/94	08/23/94	08/23/94	08/23/94

	UNITS						
PESTICIDE/PCBS							
alpha-BHC	UG/L	0.05 U	0.053 U	0.054 U	0.05 U	0.062 U	0.06 U
beta-BHC	UG/L	0.05 U	0.053 U	0.054 U	0.05 U	0.062 U	0.06 U
delta-BHC	UG/L	0.05 U	0.053 U	0.054 U	0.05 U	0.062 U	0.06 U
Lindane (gamma-BHC)	UG/L	0.05 U	0.053 U	0.054 U	0.05 U	0.062 U	0.06 U
Heptachlor	UG/L	0.05 U	0.055	0.054 U	0.05 U	0.062 U	0.06 U
Aldrin	UG/L	0.05 U	0.053 U	0.054 U	0.05 U	0.062 U	0.06 U
Heptachlor epoxide	UG/L	0.05 U	0.053 U	0.054 U	0.05 U	0.062 U	0.06 U
Endosulfan I	UG/L	0.05 U	0.053 U	0.054 U	0.05 U	0.062 U	0.06 U
Dieldrin	UG/L	0.1 U	0.11 U	0.11 U	0.1 U	0.12 U	0.12 U
4,4'-DDE	UG/L	0.1 U	0.11 U	0.11 U	0.1 U	0.12 U	0.12 U
Endrin	UG/L	0.1 U	0.11 U	0.11 U	0.1 U	0.12 U	0.12 U
Endosulfan II	UG/L	0.1 U	0.11 U	0.11 U	0.1 U	0.12 U	0.12 U
4,4'-DDD	UG/L	0.1 U	0.11 U	0.11 U	0.1 U	0.12 U	0.12 U
Endosulfan sulfate	UG/L	0.1 U	0.11 U	0.11 U	0.1 U	0.12 U	0.12 U
4,4'-DDT	UG/L	0.1 U	0.11 U	0.11 U	0.1 U	0.12 U	0.12 U
Methoxychlor	UG/L	0.5 U	0.53 U	0.54 U	0.5 U	0.62 U	0.6 U
Endrin ketone	UG/L	0.1 U	0.11 U	0.11 U	0.1 U	0.12 U	0.12 U
Endrin aldehyde	UG/L	0.1 U	0.11 U	0.11 U	0.1 U	0.12 U	0.12 U
alpha-Chlordane	UG/L	0.05 U	0.053 U	0.054 U	0.05 U	0.062 U	0.06 U
gamma-Chlordane	UG/L	0.05 U	0.053 U	0.054 U	0.05 U	0.062 U	0.06 U
Toxaphene	UG/L	5 U	5.3 U	5.4 U	5 U	6.2 U	6 U
Aroclor 1016	UG/L	1 U	1.1 U	1.1 U	1 U	1.2 U	1.2 U
Aroclor 1221	UG/L	2 U	2.1 U	2.2 U	2 U	2.5 U	2.4 U
Aroclor 1232	UG/L	1 U	1.1 U	1.1 U	1 U	1.2 U	1.2 U
Aroclor 1242	UG/L	1 U	1.1 U	1.1 U	1 U	1.2 U	1.2 U
Aroclor 1248	UG/L	1 U	1.1 U	1.1 U	1 U	1.2 U	1.2 U
Aroclor 1254	UG/L	1 U	1.1 U	1.1 U	1 U	1.2 U	1.2 U
Aroclor 1260	UG/L	1 U	1.1 U	1.1 U	1 U	1.2 U	1.2 U

FREQUENCY OF DETECTION SUMMARY
OPERABLE UNIT NO. 4 (SITE 41)
UNNAMED TRIBUTARY AND TANK CREEK SURFACE WATER
MCB CAMP LEJEUNE, NORTH CAROLINA
REMEDIAL INVESTIGATION - CTO-0212
ORGANICS

Client Sample ID:	41-UN-SW19	41-UN-SW20	41-UN-SW21	41-UN-SW22	41-UN-SW23	41-UN-SW24
Laboratory Sample ID:	AB7567	AB7564	AB7561	AB7558	AB7555	AB7552
Date Sampled:	08/23/94	08/23/94	08/23/94	08/23/94	08/23/94	08/23/94
	<u>UNITS</u>					
ORDNANCE						
1,3,5-Trinitrobenzene	UG/L	NA	NA	NA	NA	NA
1,3-Dinitrobenzene	UG/L	NA	NA	NA	NA	NA
2,4,6-Trinitrotoluene	UG/L	NA	NA	NA	NA	NA
2,4-Dinitrotoluene	UG/L	NA	NA	NA	NA	NA
2,6-Dinitrotoluene	UG/L	NA	NA	NA	NA	NA
2-Amino-4,6-dinitrotoluene	UG/L	NA	NA	NA	NA	NA
2-Nitrotoluene	UG/L	NA	NA	NA	NA	NA
3-Nitrotoluene	UG/L	NA	NA	NA	NA	NA
4-Amino-2,6-dinitrotoluene	UG/L	NA	NA	NA	NA	NA
4-Nitrotoluene	UG/L	NA	NA	NA	NA	NA
HMX	UG/L	NA	NA	NA	NA	NA
Nitrobenzene	UG/L	NA	NA	NA	NA	NA
RDX	UG/L	NA	NA	NA	NA	NA
Tetryl	UG/L	NA	NA	NA	NA	NA
MIREX						
Mirex	UG/L	NA	NA	NA	NA	NA

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 UNNAMED TRIBUTARY AND TANK CREEK SURFACE WATER
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-UN-SW25	41-UN-SW26	41-UN-SW27	41-UN-SW28
Laboratory Sample ID:	AB7549	AB7546	AB7543	AB7540
Date Sampled:	08/23/94	08/23/94	08/23/94	08/23/94

UNITS

SEMIVOLATILES

	UG/L	NA	NA	NA	NA
1,2-Dichlorobenzene	UG/L	NA	NA	NA	NA
1,2,4-Trichlorobenzene	UG/L	NA	NA	NA	NA
1,3-Dichlorobenzene	UG/L	NA	NA	NA	NA
1,4-Dichlorobenzene	UG/L	NA	NA	NA	NA
2-Chloronaphthalene	UG/L	NA	NA	NA	NA
2-Chlorophenol	UG/L	NA	NA	NA	NA
2-Methylnaphthalene	UG/L	NA	NA	NA	NA
2-Methylphenol	UG/L	NA	NA	NA	NA
2-Nitroaniline	UG/L	NA	NA	NA	NA
2-Nitrophenol	UG/L	NA	NA	NA	NA
2,2'-oxybis-(1-chloropropane)	UG/L	NA	NA	NA	NA
2,4-Dichlorophenol	UG/L	NA	NA	NA	NA
2,4-Dimethylphenol	UG/L	NA	NA	NA	NA
2,4-Dinitrophenol	UG/L	NA	NA	NA	NA
2,4-Dinitrotoluene	UG/L	NA	NA	NA	NA
2,4,5-Trichlorophenol	UG/L	NA	NA	NA	NA
2,4,6-Trichlorophenol	UG/L	NA	NA	NA	NA
2,6-Dinitrotoluene	UG/L	NA	NA	NA	NA
3-Nitroaniline	UG/L	NA	NA	NA	NA
3,3'-Dichlorobenzidine	UG/L	NA	NA	NA	NA
4-Bromophenyl-phenylether	UG/L	NA	NA	NA	NA
4-Chloro-3-methylphenol	UG/L	NA	NA	NA	NA
4-Chloroaniline	UG/L	NA	NA	NA	NA
4-Chlorophenyl phenyl ether	UG/L	NA	NA	NA	NA
4-Methylphenol	UG/L	NA	NA	NA	NA
4-Nitroaniline	UG/L	NA	NA	NA	NA
4-Nitrophenol	UG/L	NA	NA	NA	NA
4,6-Dinitro-2-methylphenol	UG/L	NA	NA	NA	NA
Acenaphthene	UG/L	NA	NA	NA	NA
Acenaphthylene	UG/L	NA	NA	NA	NA
Anthracene	UG/L	NA	NA	NA	NA
Benzo[a]anthracene	UG/L	NA	NA	NA	NA
Benzo[a]pyrene	UG/L	NA	NA	NA	NA

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 UNNAMED TRIBUTARY AND TANK CREEK SURFACE WATER
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-UN-SW25	41-UN-SW26	41-UN-SW27	41-UN-SW28
Laboratory Sample ID:	AB7549	AB7546	AB7543	AB7540
Date Sampled:	08/23/94	08/23/94	08/23/94	08/23/94

UNITS

SEMIVOLATILES Cont.

	41-UN-SW25	41-UN-SW26	41-UN-SW27	41-UN-SW28
Benzo[b]fluoranthene	UG/L	NA	NA	NA
Benzo[g,h,i]perylene	UG/L	NA	NA	NA
Benzo[k]fluoranthene	UG/L	NA	NA	NA
bis(2-Chloroethoxy) methane	UG/L	NA	NA	NA
bis(2-Chloroethyl) ether	UG/L	NA	NA	NA
bis(2-Ethylhexyl)phthalate	UG/L	NA	NA	NA
Butyl benzyl phthalate	UG/L	NA	NA	NA
Carbazole	UG/L	NA	NA	NA
Chrysene	UG/L	NA	NA	NA
Dibenzofuran	UG/L	NA	NA	NA
Dibenz[a,h]anthracene	UG/L	NA	NA	NA
Diethylphthalate	UG/L	NA	NA	NA
Dimethyl phthalate	UG/L	NA	NA	NA
di-n-Butylphthalate	UG/L	NA	NA	NA
di-n-Octylphthalate	UG/L	NA	NA	NA
Fluoranthene	UG/L	NA	NA	NA
Fluorene	UG/L	NA	NA	NA
Hexachlorobenzene	UG/L	NA	NA	NA
Hexachlorobutadiene	UG/L	NA	NA	NA
Hexachlorocyclopentadiene	UG/L	NA	NA	NA
Hexachloroethane	UG/L	NA	NA	NA
Indeno[1,2,3-cd]pyrene	UG/L	NA	NA	NA
Isophorone	UG/L	NA	NA	NA
Naphthalene	UG/L	NA	NA	NA
Nitrobenzene	UG/L	NA	NA	NA
N-Nitroso-di-n-propylamine	UG/L	NA	NA	NA
N-nitrosodiphenylamine	UG/L	NA	NA	NA
Pentachlorophenol	UG/L	NA	NA	NA
Phenanthrene	UG/L	NA	NA	NA
Phenol	UG/L	NA	NA	NA
Pyrene	UG/L	NA	NA	NA

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 UNNAMED TRIBUTARY AND TANK CREEK SURFACE WATER
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-UN-SW25	41-UN-SW26	41-UN-SW27	41-UN-SW28
Laboratory Sample ID:	AB7549	AB7546	AB7543	AB7540
Date Sampled:	08/23/94	08/23/94	08/23/94	08/23/94

UNITS

VOLATILES

	41-UN-SW25	41-UN-SW26	41-UN-SW27	41-UN-SW28
Chloromethane	UG/L	NA	NA	NA
Bromomethane	UG/L	NA	NA	NA
Vinyl chloride	UG/L	NA	NA	NA
Chloroethane	UG/L	NA	NA	NA
Methylene chloride	UG/L	NA	NA	NA
Acetone	UG/L	NA	NA	NA
Carbon Disulfide	UG/L	NA	NA	NA
1,1-Dichloroethene	UG/L	NA	NA	NA
1,1-Dichloroethane	UG/L	NA	NA	NA
1,2-Dichloroethene(total)	UG/L	NA	NA	NA
Chloroform	UG/L	NA	NA	NA
1,2-Dichloroethane	UG/L	NA	NA	NA
2-Butanone	UG/L	NA	NA	NA
1,1,1-Trichloroethane	UG/L	NA	NA	NA
Carbon tetrachloride	UG/L	NA	NA	NA
Bromodichloromethane	UG/L	NA	NA	NA
1,2-Dichloropropane	UG/L	NA	NA	NA
cis-1,3-Dichloropropene	UG/L	NA	NA	NA
Trichloroethene	UG/L	NA	NA	NA
Dibromochloromethane	UG/L	NA	NA	NA
1,1,2-Trichloroethane	UG/L	NA	NA	NA
Benzene	UG/L	NA	NA	NA
trans-1,3-Dichloropropene	UG/L	NA	NA	NA
Bromoform	UG/L	NA	NA	NA
4-Methyl-2-pentanone	UG/L	NA	NA	NA
2-Hexanone	UG/L	NA	NA	NA
Tetrachloroethene	UG/L	NA	NA	NA
1,1,2,2-Tetrachloroethane	UG/L	NA	NA	NA
Toluene	UG/L	NA	NA	NA
Chlorobenzene	UG/L	NA	NA	NA
Ethylbenzene	UG/L	NA	NA	NA
Styrene	UG/L	NA	NA	NA
Xylenes (total)	UG/L	NA	NA	NA

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 UNNAMED TRIBUTARY AND TANK CREEK SURFACE WATER
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-UN-SW25	41-UN-SW26	41-UN-SW27	41-UN-SW28
Laboratory Sample ID:	AB7549	AB7546	AB7543	AB7540
Date Sampled:	08/23/94	08/23/94	08/23/94	08/23/94

	UNITS				
<u>PESTICIDE/PCBS</u>					
alpha-BHC	UG/L	0.058 U	0.05 U	0.05 U	0.05 U
beta-BHC	UG/L	0.058 U	0.05 U	0.05 U	0.05 U
delta-BHC	UG/L	0.058 U	0.05 U	0.05 U	0.05 U
Lindane (gamma-BHC)	UG/L	0.058 U	0.05 U	0.05 U	0.05 U
Heptachlor	UG/L	0.058 U	0.05 U	0.05 U	0.05 U
Aldrin	UG/L	0.058 U	0.05 U	0.05 U	0.05 U
Heptachlor epoxide	UG/L	0.058 U	0.05 U	0.05 U	0.05 U
Endosulfan I	UG/L	0.058 U	0.05 U	0.05 U	0.05 U
Dieldrin	UG/L	0.12 U	0.1 U	0.1 U	0.1 U
4,4'-DDE	UG/L	0.12 U	0.1 U	0.1 U	0.1 U
Endrin	UG/L	0.12 U	0.1 U	0.1 U	0.1 U
Endosulfan II	UG/L	0.12 U	0.1 U	0.1 U	0.1 U
4,4'-DDD	UG/L	0.12 U	0.1 U	0.1 U	0.1 U
Endosulfan sulfate	UG/L	0.12 U	0.1 U	0.1 U	0.1 U
4,4'-DDT	UG/L	0.12 U	0.1 U	0.1 U	0.1 U
Methoxychlor	UG/L	0.58 U	0.5 U	0.5 U	0.5 U
Endrin ketone	UG/L	0.12 U	0.1 U	0.1 U	0.1 U
Endrin aldehyde	UG/L	0.12 U	0.1 U	0.1 U	0.1 U
alpha-Chlordane	UG/L	0.058 U	0.05 U	0.05 U	0.05 U
gamma-Chlordane	UG/L	0.058 U	0.05 U	0.05 U	0.05 U
Toxaphene	UG/L	5.8 U	5 U	5 U	5 U
Aroclor 1016	UG/L	1.2 U	1 U	1 U	1 U
Aroclor 1221	UG/L	2.3 U	2 U	2 U	2 U
Aroclor 1232	UG/L	1.2 U	1 U	1 U	1 U
Aroclor 1242	UG/L	1.2 U	1 U	1 U	1 U
Aroclor 1248	UG/L	1.2 U	1 U	1 U	1 U
Aroclor 1254	UG/L	1.2 U	1 U	1 U	1 U
Aroclor 1260	UG/L	1.2 U	1 U	1 U	1 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 UNNAMED TRIBUTARY AND TANK CREEK SURFACE WATER
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-UN-SW25	41-UN-SW26	41-UN-SW27	41-UN-SW28
Laboratory Sample ID:	AB7549	AB7546	AB7543	AB7540
Date Sampled:	08/23/94	08/23/94	08/23/94	08/23/94

	<u>UNITS</u>				
ORDNANCE					
1,3,5-Trinitrobenzene	UG/L	NA	NA	NA	NA
1,3-Dinitrobenzene	UG/L	NA	NA	NA	NA
2,4,6-Trinitrotoluene	UG/L	NA	NA	NA	NA
2,4-Dinitrotoluene	UG/L	NA	NA	NA	NA
2,6-Dinitrotoluene	UG/L	NA	NA	NA	NA
2-Amino-4,6-dinitrotoluene	UG/L	NA	NA	NA	NA
2-Nitrotoluene	UG/L	NA	NA	NA	NA
3-Nitrotoluene	UG/L	NA	NA	NA	NA
4-Amino-2,6-dinitrotoluene	UG/L	NA	NA	NA	NA
4-Nitrotoluene	UG/L	NA	NA	NA	NA
HMX	UG/L	NA	NA	NA	NA
Nitrobenzene	UG/L	NA	NA	NA	NA
RDX	UG/L	NA	NA	NA	NA
Tetryl	UG/L	NA	NA	NA	NA
MIREX					
Mirex	UG/L	NA	NA	NA	NA

FREQUENCY OF DETECTION SUMMARY
OPERABLE UNIT NO. 4 (SITE 41)
UNNAMED TRIBUTARY AND TANK CREEK SURFACE WATER
MCB CAMP LEJEUNE, NORTH CAROLINA
REMEDIAL INVESTIGATION - CTO-0212
ORGANICS

Client Sample ID: Laboratory Sample ID: Date Sampled:	MINIMUM NONDETECTED	MAXIMUM NONDETECTED	MINIMUM DETECTED	MAXIMUM DETECTED	LOCATION OF MAXIMUM DETECTED	FREQUENCY OF DETECTION
	<u>UNITS</u>					
	<u>SEMIVOLATILES</u>					
1,2-Dichlorobenzene	UG/L	10 U	14.3 U	ND	ND	0/14
1,2,4-Trichlorobenzene	UG/L	10 U	14.3 U	ND	ND	0/14
1,3-Dichlorobenzene	UG/L	10 U	14.3 U	ND	ND	0/14
1,4-Dichlorobenzene	UG/L	10 U	14.3 U	ND	ND	0/14
2-Chloronaphthalene	UG/L	10 U	14.3 U	ND	ND	0/14
2-Chlorophenol	UG/L	10 U	14.3 U	ND	ND	0/14
2-Methylnaphthalene	UG/L	10 U	14.3 U	ND	ND	0/14
2-Methylphenol	UG/L	10 U	14.3 U	ND	ND	0/14
2-Nitroaniline	UG/L	25 U	35.7 U	ND	ND	0/14
2-Nitrophenol	UG/L	10 U	14.3 U	ND	ND	0/14
2,2'-oxybis-(1-chloropropane)	UG/L	10 U	14.3 U	ND	ND	0/14
2,4-Dichlorophenol	UG/L	10 U	14.3 U	ND	ND	0/14
2,4-Dimethylphenol	UG/L	10 U	14.3 U	ND	ND	0/14
2,4-Dinitrophenol	UG/L	25 U	35.7 U	ND	ND	0/14
2,4-Dinitrotoluene	UG/L	10 U	14.3 U	ND	ND	0/14
2,4,5-Trichlorophenol	UG/L	25 U	35.7 U	ND	ND	0/14
2,4,6-Trichlorophenol	UG/L	10 U	14.3 U	ND	ND	0/14
2,6-Dinitrotoluene	UG/L	10 U	14.3 U	ND	ND	0/14
3-Nitroaniline	UG/L	25 U	35.7 U	ND	ND	0/14
3,3'-Dichlorobenzidine	UG/L	10 U	14.3 U	ND	ND	0/14
4-Bromophenyl-phenylether	UG/L	10 U	14.3 U	ND	ND	0/14
4-Chloro-3-methylphenol	UG/L	10 U	14.3 U	ND	ND	0/14
4-Chloroaniline	UG/L	10 U	14.3 U	ND	ND	0/14
4-Chlorophenyl phenyl ether	UG/L	10 U	14.3 U	ND	ND	0/14
4-Methylphenol	UG/L	10 U	14.3 U	ND	ND	0/14
4-Nitroaniline	UG/L	25 U	35.7 U	ND	ND	0/14
4-Nitrophenol	UG/L	25 U	35.7 U	ND	ND	0/14
4,6-Dinitro-2-methylphenol	UG/L	25 U	35.7 U	ND	ND	0/14
Acenaphthene	UG/L	10 U	14.3 U	ND	ND	0/14
Acenaphthylene	UG/L	10 U	14.3 U	ND	ND	0/14
Anthracene	UG/L	10 U	14.3 U	ND	ND	0/14
Benzo[a]anthracene	UG/L	10 U	14.3 U	ND	ND	0/14
Benzo[a]pyrene	UG/L	10 U	14.3 U	ND	ND	0/14

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 UNNAMED TRIBUTARY AND TANK CREEK SURFACE WATER
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID: Laboratory Sample ID: Date Sampled:	MINIMUM NONDETECTED	MAXIMUM NONDETECTED	MINIMUM DETECTED	MAXIMUM DETECTED	LOCATION OF MAXIMUM DETECTED	FREQUENCY OF DETECTION
<u>UNITS</u>						
SEMIVOLATILES Cont.						
Benzo[b]fluoranthene	UG/L	10 U	14.3 U	ND	ND	0/14
Benzo[g,h,i]perylene	UG/L	10 U	14.3 U	ND	ND	0/14
Benzo[k]fluoranthene	UG/L	10 U	14.3 U	ND	ND	0/14
bis(2-Chloroethoxy) methane	UG/L	10 U	14.3 U	ND	ND	0/14
bis(2-Chloroethyl) ether	UG/L	10 U	14.3 U	ND	ND	0/14
bis(2-Ethylhexyl)phthalate	UG/L	10 U	14.3 U	ND	ND	0/14
Butyl benzyl phthalate	UG/L	10 U	14.3 U	ND	ND	0/14
Carbazole	UG/L	10 U	14.3 U	ND	ND	0/14
Chrysene	UG/L	10 U	14.3 U	ND	ND	0/14
Dibenzofuran	UG/L	10 U	14.3 U	ND	ND	0/14
Dibenz[a,h]anthracene	UG/L	10 U	14.3 U	ND	ND	0/14
Diethylphthalate	UG/L	10 U	14.3 U	ND	ND	0/14
Dimethyl phthalate	UG/L	10 U	14.3 U	ND	ND	0/14
di-n-Butylphthalate	UG/L	10 U	14.3 U	ND	ND	0/14
di-n-Octylphthalate	UG/L	10 U	14.3 U	ND	ND	0/14
Fluoranthene	UG/L	10 U	14.3 U	ND	ND	0/14
Fluorene	UG/L	10 U	14.3 U	ND	ND	0/14
Hexachlorobenzene	UG/L	10 U	14.3 U	ND	ND	0/14
Hexachlorobutadiene	UG/L	10 U	14.3 U	ND	ND	0/14
Hexachlorocyclopentadiene	UG/L	10 U	14.3 U	ND	ND	0/14
Hexachloroethane	UG/L	10 U	14.3 U	ND	ND	0/14
Indeno[1,2,3-cd]pyrene	UG/L	10 U	14.3 U	ND	ND	0/14
Isophorone	UG/L	10 U	14.3 U	ND	ND	0/14
Naphthalene	UG/L	10 U	14.3 U	ND	ND	0/14
Nitrobenzene	UG/L	10 U	14.3 U	ND	ND	0/14
N-Nitroso-di-n-propylamine	UG/L	10 U	14.3 U	ND	ND	0/14
N-nitrosodiphenylamine	UG/L	10 U	14.3 U	ND	ND	0/14
Pentachlorophenol	UG/L	25 U	35.7 U	ND	ND	0/14
Phenanthrene	UG/L	10 U	14.3 U	ND	ND	0/14
Phenol	UG/L	10 U	14.3 U	ND	ND	0/14
Pyrene	UG/L	10 U	14.3 U	ND	ND	0/14

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 UNNAMED TRIBUTARY AND TANK CREEK SURFACE WATER
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID: Laboratory Sample ID: Date Sampled:		MINIMUM NONDETECTED	MAXIMUM NONDETECTED	MINIMUM DETECTED	MAXIMUM DETECTED	LOCATION OF MAXIMUM DETECTED	FREQUENCY OF DETECTION
	<u>UNITS</u>						
	<u>VOLATILES</u>						
	Chloromethane	UG/L	10 U	10 U	ND	ND	0/14
	Bromomethane	UG/L	10 U	10 U	ND	ND	0/14
	Vinyl chloride	UG/L	10 U	10 U	ND	ND	0/14
	Chloroethane	UG/L	10 U	10 U	ND	ND	0/14
	Methylene chloride	UG/L	10 U	10 U	ND	ND	0/14
	Acetone	UG/L	10 U	39 UJ	ND	ND	0/14
	Carbon Disulfide	UG/L	10 U	10 U	ND	ND	0/14
	1,1-Dichloroethene	UG/L	10 U	10 U	ND	ND	0/14
	1,1-Dichloroethane	UG/L	10 U	10 U	ND	ND	0/14
	1,2-Dichloroethene(total)	UG/L	10 U	10 U	ND	ND	0/14
	Chloroform	UG/L	10 U	10 U	ND	ND	0/14
	1,2-Dichloroethane	UG/L	10 U	10 U	ND	ND	0/14
	2-Butanone	UG/L	10 U	10 U	ND	ND	0/14
	1,1,1-Trichloroethane	UG/L	10 U	10 U	ND	ND	0/14
	Carbon tetrachloride	UG/L	10 U	10 U	ND	ND	0/14
	Bromodichloromethane	UG/L	10 U	10 U	ND	ND	0/14
	1,2-Dichloropropane	UG/L	10 U	10 U	ND	ND	0/14
	cis-1,3-Dichloropropene	UG/L	10 U	10 U	ND	ND	0/14
	Trichloroethene	UG/L	10 U	10 U	ND	ND	0/14
	Dibromochloromethane	UG/L	10 U	10 U	ND	ND	0/14
	1,1,2-Trichloroethane	UG/L	10 U	10 U	ND	ND	0/14
	Benzene	UG/L	10 U	10 U	ND	ND	0/14
	trans-1,3-Dichloropropene	UG/L	10 U	10 U	ND	ND	0/14
	Bromoform	UG/L	10 U	10 U	ND	ND	0/14
	4-Methyl-2-pentanone	UG/L	10 U	10 U	ND	ND	0/14
	2-Hexanone	UG/L	10 U	10 U	ND	ND	0/14
	Tetrachloroethene	UG/L	10 U	10 U	ND	ND	0/14
	1,1,2,2-Tetrachloroethane	UG/L	10 U	10 U	ND	ND	0/14
	Toluene	UG/L	10 U	10 U	ND	ND	0/14
	Chlorobenzene	UG/L	10 U	10 U	1 J	4 J	41-UN-SW12 2/14
	Ethylbenzene	UG/L	10 U	10 U	ND	ND	0/14
	Styrene	UG/L	10 U	10 U	ND	ND	0/14
	Xylenes (total)	UG/L	10 U	10 U	ND	ND	0/14

FREQUENCY OF DETECTION SUMMARY
OPERABLE UNIT NO. 4 (SITE 41)
UNNAMED TRIBUTARY AND TANK CREEK SURFACE WATER
MCB CAMP LEJEUNE, NORTH CAROLINA
REMEDIAL INVESTIGATION - CTO-0212
ORGANICS

Client Sample ID: Laboratory Sample ID: Date Sampled:	MINIMUM NONDETECTED	MAXIMUM NONDETECTED	MINIMUM DETECTED	MAXIMUM DETECTED	LOCATION OF MAXIMUM DETECTED	FREQUENCY OF DETECTION
	UNITS					
	PESTICIDE/PCBS					
alpha-BHC	UG/L	0.05 UJ	0.085 UJ	ND	ND	0/28
beta-BHC	UG/L	0.05 U	0.085 UJ	ND	ND	0/28
delta-BHC	UG/L	0.05 UJ	0.085 UJ	ND	ND	0/28
Lindane (gamma-BHC)	UG/L	0.05 U	0.085 UJ	0.02 J	0.02 J	1/28
Heptachlor	UG/L	0.01 UJ	0.085 UJ	0.055	0.055	41-UN-SW02 41-UN-SW20 1/28
Aldrin	UG/L	0.05 U	0.085 UJ	ND	ND	0/28
Heptachlor epoxide	UG/L	0.05 U	0.085 UJ	ND	ND	0/28
Endosulfan I	UG/L	0.05 U	0.085 UJ	ND	ND	0/28
Dieldrin	UG/L	0.1 U	0.17 UJ	ND	ND	0/28
4,4'-DDE	UG/L	0.1 U	0.17 UJ	ND	ND	0/28
Endrin	UG/L	0.1 U	0.17 UJ	ND	ND	0/27
Endosulfan II	UG/L	0.1 U	0.17 UJ	ND	ND	0/28
4,4'-DDD	UG/L	0.1 U	0.17 UJ	ND	ND	0/28
Endosulfan sulfate	UG/L	0.1 U	0.17 UJ	ND	ND	0/28
4,4'-DDT	UG/L	0.1 U	0.17 UJ	0.03 J	0.03 J	41-UN-SW02 1/28
Methoxychlor	UG/L	0.5 U	0.85 UJ	ND	ND	0/28
Endrin ketone	UG/L	0.1 U	0.17 UJ	ND	ND	0/28
Endrin aldehyde	UG/L	0.1 U	0.17 UJ	ND	ND	0/28
alpha-Chlordane	UG/L	0.05 U	0.085 UJ	ND	ND	0/28
gamma-Chlordane	UG/L	0.05 U	0.085 UJ	ND	ND	0/28
Toxaphene	UG/L	5 U	8.5 UJ	ND	ND	0/28
Aroclor 1016	UG/L	1 U	1.7 UJ	ND	ND	0/28
Aroclor 1221	UG/L	2 U	3.4 UJ	ND	ND	0/28
Aroclor 1232	UG/L	1 U	1.7 UJ	ND	ND	0/28
Aroclor 1242	UG/L	1 U	1.7 UJ	ND	ND	0/28
Aroclor 1248	UG/L	1 U	1.7 UJ	ND	ND	0/28
Aroclor 1254	UG/L	1 U	1.7 UJ	ND	ND	0/28
Aroclor 1260	UG/L	1 U	1.7 UJ	ND	ND	0/28

FREQUENCY OF DETECTION SUMMARY
OPERABLE UNIT NO. 4 (SITE 41)
UNNAMED TRIBUTARY AND TANK CREEK SURFACE WATER
MCB CAMP LEJEUNE, NORTH CAROLINA
REMEDIAL INVESTIGATION - CTO-0212
ORGANICS

Client Sample ID: Laboratory Sample ID: Date Sampled:	MINIMUM NONDETECTED	MAXIMUM NONDETECTED	MINIMUM DETECTED	MAXIMUM DETECTED	LOCATION OF MAXIMUM DETECTED	FREQUENCY OF DETECTION
	UNITS					
	ORDNANCE					
1,3,5-Trinitrobenzene	UG/L	0.5 U	0.5 U	ND	ND	0/14
1,3-Dinitrobenzene	UG/L	0.5 U	0.5 U	ND	ND	0/14
2,4,6-Trinitrotoluene	UG/L	0.5 U	0.5 U	ND	ND	0/14
2,4-Dinitrotoluene	UG/L	0.5 U	0.5 U	ND	ND	0/14
2,6-Dinitrotoluene	UG/L	0.5 U	0.5 U	ND	ND	0/14
2-Amino-4,6-dinitrotoluene	UG/L	0.03 U	0.03 U	ND	ND	0/14
2-Nitrotoluene	UG/L	0.5 U	0.5 U	ND	ND	0/14
3-Nitrotoluene	UG/L	0.5 U	0.5 U	ND	ND	0/14
4-Amino-2,6-dinitrotoluene	UG/L	0.02 U	0.02 U	ND	ND	0/14
4-Nitrotoluene	UG/L	0.5 U	0.5 U	ND	ND	0/14
HMX	UG/L	1.25 U	1.25 U	ND	ND	0/14
Nitrobenzene	UG/L	0.5 U	0.5 U	ND	ND	0/14
RDX	UG/L	0.5 U	0.5 U	ND	ND	0/14
Tetryl	UG/L	0.5 U	0.5 U	ND	ND	0/12
	MIREX					
Mirex	UG/L	11 U	71.5 U	ND	ND	0/14

APPENDIX O.15
SITE 41 UNNAMED TRIBUTARY AND TANK CREEK
SURFACE WATER INORGANICS

FREQUENCY OF DETECTION SUMMARY
OPERABLE UNIT NO. 4 (SITE 41)
UNNAMED TRIBUTARY AND TANK CREEK SURFACE WATER
MCB CAMP LEJEUNE, NORTH CAROLINA
REMEDIAL INVESTIGATION - CTO-0212
TAL METALS

Client Sample ID:	41-TC-SW06	41-TC-SW07	41-TC-SW08	41-TC-SW09	41-NE-SW05	41-UN-SW01
Laboratory Sample ID:	9402081-05	9402080-01	9402081-01	9402081-02	9402093-01	9402063-03
Date Sampled:	02/06/94	02/07/94	02/06/94	02/06/94	02/08/94	02/04/94

	<u>UNITS</u>						
Aluminum	UG/L	390.0	395.0	411.0	397.0	178.0	447.0 J
Antimony	UG/L	7.60 U	7.60 U	7.60 U	7.60 U	7.60 U	7.60 U
Arsenic	UG/L	2.90 U	2.90 U	2.90 U	2.90 U	2.90 U	2.20 U
Barium	UG/L	23.6	25.6	29.0	25.1	27.2	23.3
Beryllium	UG/L	0.760 U	0.760 U	0.760 U	0.760 U	0.760 U	0.760 U
Cadmium	UG/L	3.19 U	3.19 U	3.19 U	3.19 U	3.19 U	3.19 U
Calcium	UG/L	18900.0	21400.0	20300.0	19400.0	40300.0	41600.0
Chromium	UG/L	8.31 U	8.52	8.31 U	8.31 U	8.31 U	8.31 U
Cobalt	UG/L	16.0 U	16.0 U	16.0 U	16.0 U	16.0 U	16.0 U
Copper	UG/L	16.3 U	16.3 U	16.3 U	16.3 U	16.3 U	16.3 U
Iron	UG/L	1460.0	1540.0	1490.0	1510.0	469.0	1300.0 J
Lead	UG/L	1.40	1.40	1.74	1.00 U	1.17	1.85
Magnesium	UG/L	1620.0	1720.0	1710.0	2360.0	2410.0	1770.0
Manganese	UG/L	25.7	30.6	28.3	30.7	40.0	17.5
Mercury	UG/L	0.171 U	0.202 U	0.231 U	0.171 U	0.160 U	0.182 UJ
Nickel	UG/L	17.4 U	28.8 U	17.4 U	17.4 U	17.4 U	28.8 U
Potassium	UG/L	2210	2090	2090	2320	1620	1860
Selenium	UG/L	1.60 UJ	1.60 UJ	1.60 UJ	1.60 UJ	1.60 UJ	1.60 UJ
Silver	UG/L	1.60 U	1.60 U	1.60 U	1.60 U	1.60 U	1.60 U
Sodium	UG/L	15000	15200	15000	22800	12300	22100
Thallium	UG/L	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U
Vanadium	UG/L	20.4 U	20.4 U	20.4 U	20.4 U	20.4 U	20.4 U
Zinc	UG/L	21.4	16.7	16.8	16.3	33.2	24.9

FREQUENCY OF DETECTION SUMMARY
OPERABLE UNIT NO. 4 (SITE 41)
UNNAMED TRIBUTARY AND TANK CREEK SURFACE WATER
MCB CAMP LEJEUNE, NORTH CAROLINA
REMEDIAL INVESTIGATION - CTO-0212
TAL METALS

	41-UN-SW02	41-UN-SW03	41-UN-SW04	41-UN-SW10	41-UN-SW11	41-UN-SW12
Client Sample ID:	41-UN-SW02	41-UN-SW03	41-UN-SW04	41-UN-SW10	41-UN-SW11	41-UN-SW12
Laboratory Sample ID:	9402067-01	9402039-01	9402039-03	9402022-01	9402063-01	9402067-02
Date Sampled:	02/03/94	02/01/94	02/01/94	02/01/94	02/04/94	02/04/94
	UNITS					
Aluminum	UG/L 303.0	437.0	442.0	460.0	3380.0 J	139.0 U
Antimony	UG/L 7.60 U	7.90 U	7.90 U	7.90 U	7.60 U	7.60 U
Arsenic	UG/L 2.90 U	2.90 UJ	2.90 UJ	2.90 UJ	2.20 U	2.90 U
Barium	UG/L 21.2	20.0	26.6	17.9	24.4	37.5
Beryllium	UG/L 0.760 U	0.760 U	0.760 U	0.760 U	0.760 U	0.760 U
Cadmium	UG/L 3.19 U	3.19 U	3.19 U	3.19 U	3.19 U	3.19 U
Calcium	UG/L 41400.0	30000.0	31300.0	9980.0	20200.0	39800.0
Chromium	UG/L 8.31 U	8.31 U	8.31 U	8.31 U	8.31 U	8.31 U
Cobalt	UG/L 16.0 U	16.0 U	16.0 U	16.0 U	16.0 U	16.0 U
Copper	UG/L 16.3 U	16.3 U	16.3 U	16.3 U	16.3 U	16.3 U
Iron	UG/L 662.0	633.0	655.0	718.0	2690.0 J	6260.0
Lead	UG/L 1.00 U	1.00 U	1.13 J	1.00 U	8.10	1.00 U
Magnesium	UG/L 1940.0	1860.0	2040.0	1550.0	2160.0	4220.0
Manganese	UG/L 16.6	25.2	28.5	17.1	12.3	47.7
Mercury	UG/L 0.168 U	0.100 U	0.100 U	0.100 U	0.183 UJ	0.133 U
Nickel	UG/L 28.8 U	28.8 U	28.8 U	28.8 U	28.8 U	28.8 U
Potassium	UG/L 2090	1700	1600	1490	923	3370
Selenium	UG/L 1.60 UJ	2.53 U	2.53 U	2.53 U	1.60 UJ	1.60 U
Silver	UG/L 1.60 U	0.400 UJ	0.400 UJ	0.400 UJ	1.60 U	1.60 U
Sodium	UG/L 20900	13200	12900	11200	4760	7490
Thallium	UG/L 3.00 U	4.60 UJ	4.60 UJ	4.60 UJ	3.00 U	3.00 U
Vanadium	UG/L 20.4 U	20.4 U	20.4 U	20.4 U	20.4 U	20.4 U
Zinc	UG/L 30.4	40.1 U	32.0 U	18.6 U	25.0	27.2

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 UNNAMED TRIBUTARY AND TANK CREEK SURFACE WATER
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 TAL METALS

Client Sample ID:	41-UN-SW-13	41-UN-SW-14	41-UN-SW15	41-UN-SW16	41-UN-SW17	41-UN-SW18
Laboratory Sample ID:	9402060-03	9402060-01	AB7582	AB7579	AB7575	AB7571
Date Sampled:	02/03/94	02/03/94	08/23/94	08/23/94	08/23/94	08/23/94

	UNITS						
Aluminum	UG/L	3390.0	139.0 U	260	183	988	356
Antimony	UG/L	7.90 U	7.90 U	50 U	50 U	50 U	50 U
Arsenic	UG/L	2.90 UJ	2.90 UJ	11.8	2.7	2.2	2 U
Barium	UG/L	113.0	54.5	26.3	85.4	53.8	39.4
Beryllium	UG/L	0.760 U	0.760 U	1 U	1 U	1 U	1 U
Cadmium	UG/L	3.19 U	3.19 U	5 U	5 U	5 U	5 U
Calcium	UG/L	75800.0	84200.0	43200	62200	20100	34600
Chromium	UG/L	8.31 U	8.31 U	10 U	10 U	10 U	10 U
Cobalt	UG/L	16.0 U	16.0 U	10 U	10 U	10 U	10 U
Copper	UG/L	16.3 U	16.3 U	10 U	10 U	10 U	10 U
Iron	UG/L	14100.0	2810.0	39600	33400	17600	10600
Lead	UG/L	12.1	1.52 J	3.1	7.7	3.6	4.3
Magnesium	UG/L	12700.0	11000.0	2790	10500	3340	2960
Manganese	UG/L	34.1	209.0	76.5	106	52.4	130
Mercury	UG/L	0.101	0.100 U	0.28	0.2 U	0.36	0.28
Nickel	UG/L	28.8 U	28.8 U	20 U	20 U	20 U	20 U
Potassium	UG/L	10200	6760	2220	13400	2920	2080
Selenium	UG/L	2.53 UJ	2.53 U	2 U	2 U	2 U	2 U
Silver	UG/L	0.400 UJ	0.400 UJ	5 U	5 U	5 U	5 U
Sodium	UG/L	14800	23600	573	19300	9680	11300
Thallium	UG/L	4.60 UJ	4.60 UJ	2 U	2 U	2 U	2 U
Vanadium	UG/L	20.4 U	20.4 U	10 U	10 U	10 U	10 U
Zinc	UG/L	74.1 U	18.9 U	59.2	68.7	80.7	43

FREQUENCY OF DETECTION SUMMARY
OPERABLE UNIT NO. 4 (SITE 41)
UNNAMED TRIBUTARY AND TANK CREEK SURFACE WATER
MCB CAMP LEJEUNE, NORTH CAROLINA
REMEDIAL INVESTIGATION - CTO-0212
TAL METALS

	41-UN-SW19	41-UN-SW20	41-UN-SW21	41-UN-SW22	41-UN-SW23	41-UN-SW24
Client Sample ID:	41-UN-SW19	41-UN-SW20	41-UN-SW21	41-UN-SW22	41-UN-SW23	41-UN-SW24
Laboratory Sample ID:	AB7568	AB7565	AB7562	AB7559	AB7556	AB7553
Date Sampled:	08/23/94	08/23/94	08/23/94	08/23/94	08/23/94	08/23/94
	UNITS					
Aluminum	UG/L 245	110	40 U	40 U	11000	17800
Antimony	UG/L 50 U	50 U	50 U	50 U	50 U	50 U
Arsenic	UG/L 2.4	2 U	2 U	4.8	22.1	30.2
Barium	UG/L 19.2	18.4	18.6	89.9	360	442
Beryllium	UG/L 1 U	1 U	1 U	1 U	1 U	1 U
Cadmium	UG/L 5 U	5 U	5 U	5 U	5 U	6.2
Calcium	UG/L 46900	46700	50100	104000	165000	158000
Chromium	UG/L 10 U	10 U	10 U	10 U	10 U	10 U
Cobalt	UG/L 10 U	10 U	10 U	10 U	19.6	43.9
Copper	UG/L 10 U	10 U	10 U	10 U	34.1	41.2
Iron	UG/L 747	683	649	15700	245000	278000
Lead	UG/L 2 U	2 U	2 U	2 U	36.2	36
Magnesium	UG/L 1910	1850	1990	13500	12800	11400
Manganese	UG/L 19.9	17.5	17.7	1380	1590	1700
Mercury	UG/L 0.21	0.2 U	0.2 U	0.2 U	0.56	0.46
Nickel	UG/L 20 U	20 U	20 U	20 U	20 U	20
Potassium	UG/L 2540	2180	2650	8740	5870	4920
Selenium	UG/L 2 U	2 U	2 U	10 U	20 U	20 U
Silver	UG/L 5 U	5 U	5 U	5 U	5 U	5 U
Sodium	UG/L 21200	20800	21800	38300	60700	67600
Thallium	UG/L 2 U	2 U	2 U	2 U	2 U	2 U
Vanadium	UG/L 10 U	10 U	10 U	10 U	40.4	51.5
Zinc	UG/L 27.2	31.9	28.1	29.8	231	235

FREQUENCY OF DETECTION SUMMARY
OPERABLE UNIT NO. 4 (SITE 41)
UNNAMED TRIBUTARY AND TANK CREEK SURFACE WATER
MCB CAMP LEJEUNE, NORTH CAROLINA
REMEDIAL INVESTIGATION - CTO-0212
TAL METALS

Client Sample ID:	41-UN-SW25	41-UN-SW26	41-UN-SW27	41-UN-SW28
Laboratory Sample ID:	AB7550	AB7547	AB7544	AB7541
Date Sampled:	08/23/94	08/23/94	08/23/94	08/23/94

	UNITS				
Aluminum	UG/L	7060	102	76.6	585
Antimony	UG/L	50 U	50 U	50 U	50 U
Arsenic	UG/L	11.7	2 U	2 U	2.6
Barium	UG/L	327	21.8	23.6	26.5
Beryllium	UG/L	1 U	1 U	1 U	1 U
Cadmium	UG/L	5 U	5 U	5 U	5 U
Calcium	UG/L	121000	42500	44000	45600
Chromium	UG/L	10 U	10 U	10 U	10 U
Cobalt	UG/L	20.5	10 U	10 U	10 U
Copper	UG/L	20.1	13.3	10 U	10 U
Iron	UG/L	238000	936	1340	2940
Lead	UG/L	36.8	7.2	17	4.8
Magnesium	UG/L	10000	1940	2140	2410
Manganese	UG/L	1200	20.4	44.9	85.6
Mercury	UG/L	0.26	0.23	0.2 U	0.2 U
Nickel	UG/L	20 U	20 U	20 U	20 U
Potassium	UG/L	4450	2290	1960	1620
Selenium	UG/L	20 U	2 U	2 U	2 U
Silver	UG/L	5 U	5 U	5 U	5 U
Sodium	UG/L	52600	14100	15300	16300
Thallium	UG/L	2 U	2 U	2 U	2 U
Vanadium	UG/L	35.4	10 U	10 U	10 U
Zinc	UG/L	133	21.4	30.8	47.8

FREQUENCY OF DETECTION SUMMARY
OPERABLE UNIT NO. 4 (SITE 41)
UNNAMED TRIBUTARY AND TANK CREEK SURFACE WATER
MCB CAMP LEJEUNE, NORTH CAROLINA
REMEDIAL INVESTIGATION - CTO-0212
TAL METALS

Client Sample ID: Laboratory Sample ID: Date Sampled:	MINIMUM NONDETECTED	MAXIMUM NONDETECTED	MINIMUM DETECTED	MAXIMUM DETECTED	LOCATION OF MAXIMUM DETECTED	FREQUENCY OF DETECTION	
	<u>UNITS</u>						
Aluminum	UG/L	40 U	139 U	76.6	17800	41-UN-SW24	24/28
Antimony	UG/L	7.6 U	50 U	ND	ND		0/28
Arsenic	UG/L	2 U	2.9 U	2.2	30.2	41-UN-SW24	9/28
Barium	UG/L	NA	NA	17.9	442	41-UN-SW24	28/28
Beryllium	UG/L	0.76 U	1 U	ND	ND		0/28
Cadmium	UG/L	3.19 U	5 U	6.2	6.2	41-UN-SW24	1/28
Calcium	UG/L	NA	NA	9980	165000	41-UN-SW23	28/28
Chromium	UG/L	8.31 U	10 U	8.52	8.52	41-TC-SW07	1/28
Cobalt	UG/L	10 U	16 U	19.6	43.9	41-UN-SW24	3/28
Copper	UG/L	10 U	16.3 U	13.3	41.2	41-UN-SW24	4/28
Iron	UG/L	NA	NA	469	278000	41-UN-SW24	28/28
Lead	UG/L	1 U	2 U	1.13 J	36.8	41-UN-SW25	19/28
Magnesium	UG/L	NA	NA	1550	13500	41-UN-SW22	28/28
Manganese	UG/L	NA	NA	12.3	1700	41-UN-SW24	28/28
Mercury	UG/L	0.1 U	0.231 U	0.101	0.56	41-UN-SW23	9/28
Nickel	UG/L	17.4 U	28.8 U	20	20	41-UN-SW24	1/28
Potassium	UG/L	NA	NA	923	13400	41-UN-SW16	28/28
Selenium	UG/L	1.6 UJ	20 U	ND	ND		0/28
Silver	UG/L	0.4 UJ	5 U	ND	ND		0/28
Sodium	UG/L	NA	NA	573	67600	41-UN-SW24	28/28
Thallium	UG/L	2 U	4.6 UJ	ND	ND		0/28
Vanadium	UG/L	10 U	20.4 U	35.4	51.5	41-UN-SW24	3/28
Zinc	UG/L	18.6 U	74.1 U	16.3	235	41-UN-SW24	23/28

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 UNNAMED TRIBUTARY SURFACE WATER
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 TAL DISSOLVED METALS

Client Sample ID:	41-UN-SW15 F	41-UN-SW16 F	41-UN-SW17 F	41-UN-SW18 F	41-UN-SW19 F	41-UN-SW20 F
Laboratory Sample ID:	AB7596	AB7595	AB7594	AB7593	AB7592	AB7591
Date Sampled:	08/23/94	08/23/94	08/23/94	08/23/94	08/23/94	08/23/94

	UNITS					
Aluminum	UG/L	40 U	40 U	40 U	40 U	40 U
Antimony	UG/L	50 U	50 U	50 U	50 U	50 U
Arsenic	UG/L	2	2 U	2 U	2 U	2 U
Barium	UG/L	24.6	82.4	47.2	34.1	19.1
Beryllium	UG/L	1 U	1 U	1 U	1 U	1 U
Cadmium	UG/L	5 U	5 U	5 U	5 U	5 U
Calcium	UG/L	53000	74000	23700	39200	54400
Chromium	UG/L	10 U	10 U	10 U	10 U	10 U
Cobalt	UG/L	10 U	10 U	10 U	10 U	10 U
Copper	UG/L	18.2	10 U	15.1	21.5	20.8
Iron	UG/L	118	6000	1060	2390	161
Lead	UG/L	2 U	2 U	2 U	2 U	2 U
Magnesium	UG/L	3570	12700	4000	3380	2200
Manganese	UG/L	83.8	121	50.7	152	18.5
Mercury	UG/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	UG/L	20 U	20 U	20 U	20 U	20 U
Potassium	UG/L	2520	15600	3120	2380	2670
Selenium	UG/L	2 U	2 U	2 U	2 U	2 U
Silver	UG/L	5 U	5 U	5 U	5 U	5 U
Sodium	UG/L	6860	22700	11400	12300	24500
Thallium	UG/L	2 U	2 U	2 U	2 U	2 U
Vanadium	UG/L	10 U	10 U	10 U	10 U	10 U
Zinc	UG/L	7.8	5.4	11.1	11.4	8.1

FREQUENCY OF DETECTION SUMMARY
OPERABLE UNIT NO. 4 (SITE 41)
UNNAMED TRIBUTARY SURFACE WATER
MCB CAMP LEJEUNE, NORTH CAROLINA
REMEDIAL INVESTIGATION - CTO-0212
TAL DISSOLVED METALS

Client Sample ID:	41-UN-SW21 F	41-UN-SW22 F	41-UN-SW23 F	41-UN-SW24 F	41-UN-SW25 F	41-UN-SW26 F
Laboratory Sample ID:	AB7590	AB7589	AB7588	AB7587	AB7586	AB7585
Date Sampled:	08/23/94	08/23/94	08/23/94	08/23/94	08/23/94	08/23/94

	UNITS					
Aluminum	UG/L	40 U	40 U	40 U	40 U	40 U
Antimony	UG/L	50 U	50 U	50 U	50 U	50 U
Arsenic	UG/L	2 U	2.6	2 U	2.8	2 U
Barium	UG/L	18.2	79.5	73	75.1	80.5
Beryllium	UG/L	1 U	1 U	1 U	1 U	1 U
Cadmium	UG/L	5 U	5 U	5 U	5 U	5 U
Calcium	UG/L	56500	106000	154000	144000	115000
Chromium	UG/L	10 U	10 U	10 U	10 U	10 U
Cobalt	UG/L	10 U	10 U	10 U	15.7	10 U
Copper	UG/L	10 U	10 U	11.2	17.8	18.9
Iron	UG/L	148	6110	8170	12800	11300
Lead	UG/L	2 U	2 U	2 U	2 U	2 U
Magnesium	UG/L	2220	14200	13400	12200	11200
Manganese	UG/L	20.6	1360	1170	1230	972
Mercury	UG/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	UG/L	20 U	20 U	20 U	20 U	20 U
Potassium	UG/L	2780	9670	6020	4820	3670
Selenium	UG/L	10 U	2 U	10 U	2 U	10 U
Silver	UG/L	5 U	5 U	5 U	5 U	5 U
Sodium	UG/L	24300	38100	65900	76800	58800
Thallium	UG/L	2 U	2 U	2 U	2 U	2 U
Vanadium	UG/L	10 U	10 U	10 U	10 U	10 U
Zinc	UG/L	6	8.9	6.4	9.5	10.2

FREQUENCY OF DETECTION SUMMARY
OPERABLE UNIT NO. 4 (SITE 41)
UNNAMED TRIBUTARY SURFACE WATER
MCB CAMP LEJEUNE, NORTH CAROLINA
REMEDIAL INVESTIGATION - CTO-0212
TAL DISSOLVED METALS

Client Sample ID:	41-UN-SW27 F	41-UN-SW28 F
Laboratory Sample ID:	AB7584	AB7583
Date Sampled:	08/23/94	08/23/94

	<u>UNITS</u>		
Aluminum	UG/L	40 U	40 U
Antimony	UG/L	50 U	50 U
Arsenic	UG/L	2 U	2.9
Barium	UG/L	25.1	22.3
Beryllium	UG/L	1 U	1 U
Cadmium	UG/L	5 U	5 U
Calcium	UG/L	49200	47000
Chromium	UG/L	10 U	10 U
Cobalt	UG/L	10 U	10 U
Copper	UG/L	18.7	17.7
Iron	UG/L	1210	783
Lead	UG/L	2 U	2.4
Magnesium	UG/L	2630	2290
Manganese	UG/L	88.8	47.4
Mercury	UG/L	0.2 U	0.2 U
Nickel	UG/L	20 U	20 U
Potassium	UG/L	1770	1840
Selenium	UG/L	10 U	10 U
Silver	UG/L	5 U	5 U
Sodium	UG/L	17700	16000
Thallium	UG/L	2 U	2 U
Vanadium	UG/L	10 U	10 U
Zinc	UG/L	14.1	11.2

FREQUENCY OF DETECTION SUMMARY
OPERABLE UNIT NO. 4 (SITE 41)
UNNAMED TRIBUTARY SURFACE WATER
MCB CAMP LEJEUNE, NORTH CAROLINA
REMEDIAL INVESTIGATION - CTO-0212
TAL DISSOLVED METALS

Client Sample ID:		MINIMUM	MAXIMUM	MINIMUM	MAXIMUM	LOCATION OF	FREQUENCY
Laboratory Sample ID:		NONDETECTED	NONDETECTED	DETECTED	DETECTED	MAXIMUM	OF
Date Sampled:						DETECTED	DETECTION
	<u>UNITS</u>						
Aluminum	UG/L	40 U	40 U	ND	ND		0/14
Antimony	UG/L	50 U	50 U	ND	ND		0/14
Arsenic	UG/L	2 U	2 U	2	2.9	41-UN-SW28 F	4/14
Barium	NA	NA	NA	18.2	82.4	41-UN-SW16 F	14/14
Beryllium	UG/L	1 U	1 U	ND	ND		0/14
Cadmium	UG/L	5 U	5 U	ND	ND		0/14
Calcium	UG/L	NA	NA	23700	154000	41-UN-SW23 F	14/14
Chromium	UG/L	10 U	10 U	ND	ND		0/14
Cobalt	UG/L	10 U	10 U	15.7	15.7	41-UN-SW24 F	1/14
Copper	UG/L	10 U	10 U	11.2	23.8	41-UN-SW28 F	11/14
Iron	UG/L	NA	NA	118	12800	41-UN-SW24 F	14/14
Lead	UG/L	2 U	2 U	2.4	2.4	41-UN-SW28 F	1/14
Magnesium	UG/L	NA	NA	2020	14200	41-UN-SW22 F	14/14
Manganese	UG/L	NA	NA	18.1	1360	41-UN-SW22 F	14/14
Mercury	UG/L	0.2 U	0.2 U	ND	ND		0/14
Nickel	UG/L	20 U	20 U	ND	ND		0/14
Potassium	UG/L	NA	NA	1770	15600	41-UN-SW16 F	14/14
Selenium	UG/L	2 U	10 U	ND	ND		0/14
Silver	UG/L	5 U	5 U	ND	ND		0/14
Sodium	UG/L	NA	NA	6860	76800	41-UN-SW24 F	14/14
Thallium	UG/L	2 U	2 U	ND	ND		0/14
Vanadium	UG/L	10 U	10 U	ND	ND		0/14
Zinc	UG/L	NA	NA	5.4	14.1	41-UN-SW27 F	14/14

APPENDIX 0.16
SITE 41 UNNAMED TRIBUTARY AND TANK CREEK
SEDIMENT ORGANICS

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 UNNAMED TRIBUTARY AND TANK CREEK SEDIMENT
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-UN-SD01-06	41-UN-SD01-612	41-UN-SD02-06	41-UN-SD02-612	41-UN-SD03-06	41-UN-SD03-612	
Laboratory Sample ID:	9402062-03	9402062-04	9402066-01A	9402066-02A	9402041-01	9402041-03	
Date Sampled:	02/04/94	02/04/94			02/01/94	02/01/94	
Percent Solids	73.5	75.5	78.8	78.8	74.9	72.9	
<u>SEMIVOLATILES</u>							
1,2-Dichlorobenzene	UG/KG	446.0 U	436.0 U	418 UJ	418 U	439.0 U	455.0 U
1,2,4-Trichlorobenzene	UG/KG	446.0 U	436.0 U	418 UJ	418 U	439.0 U	455.0 U
1,3-Dichlorobenzene	UG/KG	446.0 U	436.0 U	418 UJ	418 U	439.0 U	455.0 U
1,4-Dichlorobenzene	UG/KG	446.0 U	436.0 U	418 UJ	418 U	439.0 U	455.0 U
2-Chloronaphthalene	UG/KG	446.0 U	436.0 U	418 UJ	418 U	439.0 U	455.0 U
2-Chlorophenol	UG/KG	446.0 U	436.0 U	418 UJ	418 U	439.0 U	455.0 U
2-Methylnaphthalene	UG/KG	446.0 U	436.0 U	418 UJ	418 U	439.0 U	455.0 U
2-Methylphenol	UG/KG	446.0 U	436.0 U	418 UJ	418 U	439.0 U	455.0 U
2-Nitroaniline	UG/KG	1080.0 U	1060.0 U	1010 UJ	1010 U	1060.0 U	1100.0 U
2-Nitrophenol	UG/KG	446.0 U	436.0 U	418 UJ	418 U	439.0 U	455.0 U
2,2'-oxybis-(1-chloropropane)	UG/KG	446.0 U	436.0 U	418 UJ	418 U	439.0 U	455.0 U
2,4-Dichlorophenol	UG/KG	446.0 U	436.0 U	418 UJ	418 U	439.0 U	455.0 U
2,4-Dimethylphenol	UG/KG	446.0 U	436.0 U	418 UJ	418 U	439.0 U	455.0 U
2,4-Dinitrophenol	UG/KG	1080.0 U	1060.0 U	1010 UJ	1010 U	1060.0 U	1100.0 U
2,4-Dinitrotoluene	UG/KG	446.0 U	436.0 U	418 UJ	418 U	439.0 U	455.0 U
2,4,5-Trichlorophenol	UG/KG	1080.0 U	1060.0 U	1010 UJ	1010 U	1060.0 U	1100.0 U
2,4,6-Trichlorophenol	UG/KG	446.0 U	436.0 U	418 UJ	418 U	439.0 U	455.0 U
2,6-Dinitrotoluene	UG/KG	446.0 U	436.0 U	418 UJ	418 U	439.0 U	455.0 U
3-Nitroaniline	UG/KG	1080.0 U	1060.0 U	1010 UJ	1010 U	1060.0 U	1100.0 UJ
3,3'-Dichlorobenzidine	UG/KG	446.0 U	436.0 U	418 UJ	418 U	439.0 U	455.0 UJ
4-Bromophenyl-phenylether	UG/KG	446.0 U	436.0 U	418 UJ	418 U	439.0 U	455.0 U
4-Chloro-3-methylphenol	UG/KG	446.0 U	436.0 U	418 UJ	418 U	439.0 U	455.0 U
4-Chloroaniline	UG/KG	446.0 U	436.0 U	418 UJ	418 U	439.0 U	455.0 U
4-Chlorophenyl phenyl ether	UG/KG	446.0 U	436.0 U	418 UJ	418 U	439.0 U	455.0 U
4-Methylphenol	UG/KG	446.0 U	436.0 U	418 UJ	418 U	439.0 U	455.0 U
4-Nitroaniline	UG/KG	1080.0 U	1060.0 U	1010 UJ	1010 U	1060.0 U	1100.0 U
4-Nitrophenol	UG/KG	1080.0 U	1060.0 U	1010 UJ	1010 U	1060.0 U	1100.0 U
4,6-Dinitro-2-methylphenol	UG/KG	1080.0 U	1060.0 U	1010 UJ	1010 U	1060.0 U	1100.0 U
Acenaphthene	UG/KG	446.0 U	436.0 U	418 UJ	418 U	439.0 U	455.0 U
Acenaphthylene	UG/KG	446.0 U	436.0 U	418 UJ	418 U	439.0 U	455.0 U
Anthracene	UG/KG	446.0 U	436.0 U	418 UJ	418 U	439.0 U	455.0 U
Benzo[a]anthracene	UG/KG	446.0 U	436.0 U	418 UJ	418 U	439.0 U	455.0 U
Benzo[a]pyrene	UG/KG	446.0 U	436.0 U	418 UJ	418 U	439.0 U	455.0 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 UNNAMED TRIBUTARY AND TANK CREEK SEDIMENT
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-UN-SD01-06	41-UN-SD01-612	41-UN-SD02-06	41-UN-SD02-612	41-UN-SD03-06	41-UN-SD03-612	
Laboratory Sample ID:	9402062-03	9402062-04	9402066-01A	9402066-02A	9402041-01	9402041-03	
Date Sampled:	02/04/94	02/04/94			02/01/94	02/01/94	
Percent Solids	73.5	75.5	78.8	78.8	74.9	72.9	
SEMIVOLATILES Cont.							
Benzo[b]fluoranthene	UG/KG	446.0 U	436.0 U	418 UJ	418 U	439.0 U	455.0 U
Benzo[g,h,i]perylene	UG/KG	446.0 U	436.0 U	418 UJ	418 U	439.0 U	455.0 U
Benzo[k]fluoranthene	UG/KG	446.0 U	436.0 U	418 UJ	418 U	439.0 U	455.0 U
bis(2-Chloroethoxy) methane	UG/KG	446.0 U	436.0 U	418 UJ	418 U	439.0 U	455.0 U
bis(2-Chloroethyl) ether	UG/KG	446.0 U	436.0 U	418 UJ	418 U	439.0 U	455.0 U
bis(2-Ethylhexyl)phthalate	UG/KG	446.0 U	436.0 U	418 UJ	418 U	439.0 U	455.0 U
Butyl benzyl phthalate	UG/KG	446.0 U	436.0 U	418 UJ	418 U	439.0 U	455.0 U
Carbazole	UG/KG	446.0 U	436.0 U	418 UJ	418 U	439.0 U	455.0 U
Chrysene	UG/KG	446.0 U	436.0 U	418 UJ	418 U	439.0 U	455.0 U
Dibenzofuran	UG/KG	446.0 U	436.0 U	418 UJ	418 U	439.0 U	455.0 U
Dibenz[a,h]anthracene	UG/KG	446.0 U	436.0 U	418 UJ	418 U	439.0 U	455.0 U
Diethylphthalate	UG/KG	446.0 U	436.0 U	418 UJ	418 U	439.0 U	455.0 U
Dimethyl phthalate	UG/KG	446.0 U	436.0 U	418 UJ	418 U	439.0 U	455.0 U
di-n-Butylphthalate	UG/KG	446.0 U	436.0 U	418 UJ	418 U	439.0 U	460.0 U
di-n-Octylphthalate	UG/KG	95.0 J	49.0 J	418 UJ	418 U	439.0 U	310.0 J
Fluoranthene	UG/KG	446.0 U	436.0 U	418 UJ	418 U	439.0 U	455.0 U
Fluorene	UG/KG	446.0 U	436.0 U	418 UJ	418 U	439.0 U	455.0 U
Hexachlorobenzene	UG/KG	446.0 U	436.0 U	418 UJ	418 U	439.0 U	455.0 U
Hexachlorobutadiene	UG/KG	446.0 U	436.0 U	418 UJ	418 U	439.0 U	455.0 U
Hexachlorocyclopentadiene	UG/KG	446.0 U	436.0 U	418 UJ	418 U	439.0 U	455.0 U
Hexachloroethane	UG/KG	446.0 U	436.0 U	418 UJ	418 U	439.0 U	455.0 U
Indeno[1,2,3-cd]pyrene	UG/KG	446.0 U	436.0 U	418 UJ	418 U	439.0 U	455.0 U
Isophorone	UG/KG	446.0 U	436.0 U	418 UJ	418 U	439.0 U	455.0 U
Naphthalene	UG/KG	446.0 U	436.0 U	418 UJ	418 U	439.0 U	455.0 U
Nitrobenzene	UG/KG	446.0 U	436.0 U	418 UJ	418 U	439.0 U	455.0 U
N-Nitroso-di-n-propylamine	UG/KG	446.0 U	436.0 U	418 UJ	418 U	439.0 U	455.0 U
N-nitrosodiphenylamine	UG/KG	446.0 U	436.0 U	418 UJ	418 U	439.0 U	455.0 U
Pentachlorophenol	UG/KG	1080.0 U	1060.0 U	1010 UJ	1010 U	1060.0 U	1100.0 U
Phenanthrene	UG/KG	446.0 U	436.0 U	418 UJ	418 U	439.0 U	455.0 U
Phenol	UG/KG	446.0 U	436.0 U	418 UJ	418 U	439.0 U	455.0 U
Pyrene	UG/KG	446.0 U	436.0 U	418 UJ	418 U	439.0 U	455.0 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 UNNAMED TRIBUTARY AND TANK CREEK SEDIMENT
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-UN-SD01-06	41-UN-SD01-612	41-UN-SD02-06	41-UN-SD02-612	41-UN-SD03-06	41-UN-SD03-612
Laboratory Sample ID:	9402062-03	9402062-04	9402066-01A	9402066-02A	9402041-01	9402041-03
Date Sampled:	02/04/94	02/04/94			02/01/94	02/01/94
Percent Solids	73.5	75.5	78.8	78.8	74.9	72.9
<u>VOLATILES</u>						
Chloromethane	UG/KG	13.5 U	13.3 U	13 U	13 U	13.3 U
Bromomethane	UG/KG	13.5 U	13.3 U	13 U	13 U	13.3 U
Vinyl chloride	UG/KG	13.5 U	13.3 U	13 U	13 U	13.3 U
Chloroethane	UG/KG	13.5 U	13.3 U	13 U	13 U	13.3 U
Methylene chloride	UG/KG	14.00 U	13.0 U	14 U	13 U	2.00 J
Acetone	UG/KG	40.0	13.3 U	16 UJ	19 UJ	51.0 J
Carbon Disulfide	UG/KG	13.5 U	13.3 U	13 U	13 U	13.3 U
1,1-Dichloroethene	UG/KG	13.5 U	13.3 U	13 U	13 U	13.3 U
1,1-Dichloroethane	UG/KG	13.5 U	13.3 U	13 U	13 U	13.3 U
1,2-Dichloroethene(total)	UG/KG	13.5 U	13.3 U	13 U	13 U	13.3 U
Chloroform	UG/KG	13.5 U	13.3 U	13 U	13 U	13.3 U
1,2-Dichloroethane	UG/KG	13.5 U	13.3 U	13 U	13 U	13.3 U
2-Butanone	UG/KG	13.5 U	13.3 U	13 U	13 U	13.3 UJ
1,1,1-Trichloroethane	UG/KG	13.5 U	13.3 U	13 U	13 U	13.3 U
Carbon tetrachloride	UG/KG	13.5 U	13.3 U	13 U	13 U	13.3 U
Bromodichloromethane	UG/KG	13.5 U	13.3 U	13 U	13 U	13.3 U
1,2-Dichloropropane	UG/KG	13.5 U	13.3 U	13 U	13 U	13.3 U
cis-1,3-Dichloropropene	UG/KG	13.5 U	13.3 U	13 U	13 U	13.3 U
Trichloroethene	UG/KG	13.5 U	13.3 U	13 U	13 U	13.3 U
Dibromochloromethane	UG/KG	13.5 U	13.3 U	13 U	13 U	13.3 U
1,1,2-Trichloroethane	UG/KG	13.5 U	13.3 U	13 U	13 U	13.3 U
Benzene	UG/KG	13.5 U	13.3 U	13 U	13 U	13.3 U
trans-1,3-Dichloropropene	UG/KG	13.5 U	13.3 U	13 U	13 U	13.3 U
Bromoform	UG/KG	13.5 U	13.3 U	13 U	13 U	13.3 U
4-Methyl-2-pentanone	UG/KG	13.5 U	13.3 U	13 U	13 U	13.3 U
2-Hexanone	UG/KG	13.5 U	13.3 U	13 U	13 U	13.3 U
Tetrachloroethene	UG/KG	13.5 U	13.3 U	13 U	13 U	13.3 U
1,1,2,2-Tetrachloroethane	UG/KG	13.5 U	13.3 U	13 U	13 U	13.3 U
Toluene	UG/KG	13.5 U	13.3 U	13 U	13 U	13.3 U
Chlorobenzene	UG/KG	13.5 U	13.3 U	13 U	13 U	13.3 U
Ethylbenzene	UG/KG	13.5 U	13.3 U	13 U	13 U	13.3 U
Styrene	UG/KG	13.5 U	13.3 U	13 U	13 U	13.3 U
Xylenes (total)	UG/KG	13.5 U	13.3 U	13 U	13 U	13.3 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 UNNAMED TRIBUTARY AND TANK CREEK SEDIMENT
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-UN-SD01-06	41-UN-SD01-612	41-UN-SD02-06	41-UN-SD02-612	41-UN-SD03-06	41-UN-SD03-612	
Laboratory Sample ID:	9402062-03	9402062-04	9402066-01A	9402066-02A	9402041-01	9402041-03	
Date Sampled:	02/04/94	02/04/94			02/01/94	02/01/94	
Percent Solids	73.5	75.5	78.8	78.8	74.9	72.9	
PESTICIDE/PCBS							
alpha-BHC	UG/KG	2.30 UJ	2.27 UJ	2.15 UJ	2.15 UJ	2.27 UJ	2.33 UJ
beta-BHC	UG/KG	2.30 UJ	2.27 UJ	2.15 UJ	2.15 UJ	2.27 UJ	2.33 UJ
delta-BHC	UG/KG	2.30 UJ	2.27 UJ	2.15 UJ	2.15 UJ	2.27 UJ	2.33 UJ
Lindane (gamma-BHC)	UG/KG	2.30 U	2.27 UJ	2.15 UJ	2.15 UJ	2.27 U	2.33 U
Heptachlor	UG/KG	2.30 U	2.27 UJ	2.15 UJ	2.16 UJ	2.27 U	2.33 U
Aldrin	UG/KG	2.30 U	2.27 UJ	2.15 UJ	2.15 UJ	2.27 U	2.33 U
Heptachlor epoxide	UG/KG	2.30 U	2.27 UJ	2.15 UJ	2.15 UJ	2.27 U	2.33 U
Endosulfan I	UG/KG	2.30 U	2.27 UJ	2.15 UJ	2.15 UJ	2.27 U	2.33 U
Dieldrin	UG/KG	1.35 NJ	1.08 NJ	1.21 J	4.18 UJ	0.830 NJ	4.52 U
4,4'-DDE	UG/KG	4.66	4.90 J	4.18 UJ	4.18 UJ	3.05 J	3.98 J
Endrin	UG/KG	4.46 U	4.40 UJ	4.18 UJ	4.18 UJ	4.40 U	4.52 U
Endosulfan II	UG/KG	0.800 NJ	4.40 UJ	0.96 NJ	0.76 NJ	0.640 NJ	4.52 U
4,4'-DDD	UG/KG	2.77 J	12.7 J	4.18 UJ	1.59 J	3.73 J	15.3 J
Endosulfan sulfate	UG/KG	4.46 U	4.40 UJ	4.18 UJ	4.18 UJ	4.40 U	4.52 U
4,4'-DDT	UG/KG	4.46 U	0.810 NJ	1.36 NJ	2.58 J	1.26 J	1.25 J
Methoxychlor	UG/KG	23.0 UJ	22.7 UJ	21.5 UJ	21.5 UJ	22.7 UJ	23.3 UJ
Endrin ketone	UG/KG	4.46 U	4.40 UJ	4.18 UJ	4.18 UJ	4.40 U	4.52 U
Endrin aldehyde	UG/KG	4.46 U	4.40 UJ	4.18 UJ	4.18 UJ	4.40 U	4.52 U
alpha-Chlordane	UG/KG	1.38 J	1.15 J	2.15 UJ	2.15 UJ	0.820 J	0.340 J
gamma-Chlordane	UG/KG	1.43 J	1.35 J	2.15 UJ	2.15 UJ	0.920 J	0.440 J
Toxaphene	UG/KG	230.0 U	227.0 UJ	215 UJ	215 UJ	227.0 U	233.0 U
Aroclor 1016	UG/KG	44.6 U	44.0 UJ	41.8 UJ	41.8 UJ	44.0 U	45.2 U
Aroclor 1221	UG/KG	90.5 U	89.3 UJ	84.8 UJ	84.8 UJ	89.3 U	91.8 U
Aroclor 1232	UG/KG	44.6 U	44.0 UJ	41.8 UJ	41.8 UJ	44.0 U	45.2 U
Aroclor 1242	UG/KG	44.6 U	44.0 UJ	41.8 UJ	41.8 UJ	44.0 U	45.2 U
Aroclor 1248	UG/KG	44.6 U	44.0 UJ	41.8 UJ	41.8 UJ	44.0 U	45.2 U
Aroclor 1254	UG/KG	44.6 U	44.0 UJ	41.8 UJ	41.8 UJ	44.0 U	45.2 U
Aroclor 1260	UG/KG	44.6 U	44.0 UJ	41.8 UJ	41.8 UJ	44.0 U	45.2 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 UNNAMED TRIBUTARY AND TANK CREEK SEDIMENT
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-UN-SD01-06	41-UN-SD01-612	41-UN-SD02-06	41-UN-SD02-612	41-UN-SD03-06	41-UN-SD03-612
Laboratory Sample ID:	9402062-03	9402062-04	9402066-01A	9402066-02A	9402041-01	9402041-03
Date Sampled:	02/04/94	02/04/94			02/01/94	02/01/94
Percent Solids	73.5	75.5	78.8	78.8	74.9	72.9
ORDNANCE						
1,3,5-Trinitrobenzene	UG/KG	40.2 U	40.2 U	40.2 U	40.2 U	40.2 U
1,3-Dinitrobenzene	UG/KG	37.2 U	37.2 U	37.2 U	37.2 U	37.2 U
2,4,6-Trinitrotoluene	UG/KG	35.6 U	35.6 U	35.6 U	35.6 U	35.6 U
2,4-Dinitrotoluene	UG/KG	51.6 U	51.6 U	51.6 U	51.6 U	51.6 U
2,6-Dinitrotoluene	UG/KG	47.6 U	47.6 U	47.6 U	47.6 U	47.6 U
2-Amino-4,6-dinitrotoluene	UG/KG	46.7 U	46.7 U	46.7 U	46.7 U	46.7 U
2-Nitrotoluene	UG/KG	81.4 U	81.4 U	81.4 U	81.4 U	81.4 U
3-Nitrotoluene	UG/KG	81.7 U	81.7 U	81.7 U	81.7 U	81.7 U
4-Amino-2,6-dinitrotoluene	UG/KG	40.8 U	40.8 U	40.8 U	40.8 U	40.8 U
4-Nitrotoluene	UG/KG	87.2 U	87.2 U	87.2 U	87.2 U	87.2 U
HMX	UG/KG	70.5 U	70.5 U	70.5 U	70.5 U	70.5 U
Nitrobenzene	UG/KG	35.2 U	35.2 U	35.2 U	35.2 U	35.2 U
RDX	UG/KG	50.9 U	50.9 U	50.9 U	50.9 U	50.9 U
Tetryl	UG/KG	163.0 U	163.0 U	163 UJ	163 UJ	163.0 U
MIREX						
Mirex	UG/KG	NA	NA	2100 UJ	2100 U	NA

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 UNNAMED TRIBUTARY AND TANK CREEK SEDIMENT
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-UN-SD04-06	41-UN-SD04-612	41-NE-SD05-06	41-NE-SD05-612	41-UN-SD10-06	41-UN-SD10-612	
Laboratory Sample ID:	9402041-05	9402041-06	9402091-01A	9402091-02A	9402020-01	9402020-02	
Date Sampled:	02/01/94	02/01/94					
Percent Solids	78.1	77.1	77.5	78.9	43.8	56	
SEMIVOLATILES							
1,2-Dichlorobenzene	UG/KG	429.0 U	429.0 U	423 U	418 U	750 U	589 U
1,2,4-Trichlorobenzene	UG/KG	429.0 U	429.0 U	423 U	418 U	750 U	589 U
1,3-Dichlorobenzene	UG/KG	429.0 U	429.0 U	423 U	418 U	750 U	589 U
1,4-Dichlorobenzene	UG/KG	429.0 U	429.0 U	423 U	418 U	750 U	589 U
2-Chloronaphthalene	UG/KG	429.0 U	429.0 U	423 U	418 U	750 U	589 U
2-Chlorophenol	UG/KG	429.0 U	429.0 U	423 U	418 U	750 U	589 U
2-Methylnaphthalene	UG/KG	429.0 U	429.0 U	423 U	418 U	750 U	589 U
2-Methylphenol	UG/KG	429.0 U	429.0 U	423 U	418 U	750 U	589 U
2-Nitroaniline	UG/KG	1040.0 U	1040.0 U	1020 U	1010 U	1820 U	1430 U
2-Nitrophenol	UG/KG	429.0 U	429.0 U	423 U	418 U	750 U	589 U
2,2'-oxybis-(1-chloropropane)	UG/KG	429.0 U	429.0 U	423 U	418 U	750 U	589 U
2,4-Dichlorophenol	UG/KG	429.0 U	429.0 U	423 U	418 U	750 U	589 U
2,4-Dimethylphenol	UG/KG	429.0 U	429.0 U	423 U	418 U	750 U	589 U
2,4-Dinitrophenol	UG/KG	1040.0 U	1040.0 U	1020 U	1010 U	1820 U	1430 U
2,4-Dinitrotoluene	UG/KG	429.0 U	429.0 U	423 U	418 U	750 U	589 U
2,4,5-Trichlorophenol	UG/KG	1040.0 U	1040.0 U	1020 U	1010 U	1820 U	1430 U
2,4,6-Trichlorophenol	UG/KG	429.0 U	429.0 U	423 U	418 U	750 U	589 U
2,6-Dinitrotoluene	UG/KG	429.0 U	429.0 U	423 U	418 U	750 U	589 U
3-Nitroaniline	UG/KG	1040.0 UJ	1040.0 UJ	1020 U	1010 U	1820 U	1430 U
3,3'-Dichlorobenzidine	UG/KG	429.0 UJ	429.0 UJ	423 U	418 U	750 U	589 U
4-Bromophenyl-phenylether	UG/KG	429.0 U	429.0 U	423 U	418 U	750 U	589 U
4-Chloro-3-methylphenol	UG/KG	429.0 U	429.0 U	423 U	418 U	750 U	589 U
4-Chloroaniline	UG/KG	429.0 U	429.0 U	423 U	418 U	750 U	589 U
4-Chlorophenyl phenyl ether	UG/KG	429.0 U	429.0 U	423 U	418 U	750 U	589 U
4-Methylphenol	UG/KG	429.0 U	429.0 U	423 U	418 U	750 U	589 U
4-Nitroaniline	UG/KG	1040.0 U	1040.0 U	1020 U	1010 U	1820 U	1430 U
4-Nitrophenol	UG/KG	1040.0 U	1040.0 U	1020 U	1010 U	1820 U	1430 U
4,6-Dinitro-2-methylphenol	UG/KG	1040.0 U	1040.0 U	1020 U	1010 U	1820 U	1430 U
Acenaphthene	UG/KG	429.0 U	429.0 U	423 U	418 U	750 U	589 U
Acenaphthylene	UG/KG	429.0 U	429.0 U	423 U	418 U	750 U	589 U
Anthracene	UG/KG	429.0 U	429.0 U	423 U	418 U	750 U	589 U
Benzo[a]anthracene	UG/KG	429.0 U	429.0 U	423 U	418 U	750 U	589 U
Benzo[a]pyrene	UG/KG	429.0 U	429.0 U	423 U	418 U	750 U	589 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 UNNAMED TRIBUTARY AND TANK CREEK SEDIMENT
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-UN-SD04-06	41-UN-SD04-612	41-NE-SD05-06	41-NE-SD05-612	41-UN-SD10-06	41-UN-SD10-612
Laboratory Sample ID:	9402041-05	9402041-06	9402091-01A	9402091-02A	9402020-01	9402020-02
Date Sampled:	02/01/94	02/01/94				
Percent Solids	78.1	77.1	77.5	78.9	43.8	56
SEMIVOLATILES Cont.						
Benzo[b]fluoranthene	UG/KG 429.0 U	429.0 U	423 U	418 U	750 U	589 U
Benzo[g,h,i]perylene	UG/KG 429.0 U	429.0 U	423 U	418 U	750 U	589 U
Benzo[k]fluoranthene	UG/KG 429.0 U	429.0 U	423 U	418 U	750 U	589 U
bis(2-Chloroethoxy) methane	UG/KG 429.0 U	429.0 U	423 U	418 U	750 U	589 U
bis(2-Chloroethyl) ether	UG/KG 429.0 U	429.0 U	423 U	418 U	750 U	589 U
bis(2-Ethylhexyl)phthalate	UG/KG 429.0 U	429.0 U	65 J	44 J	89 J	94 J
Butyl benzyl phthalate	UG/KG 429.0 U	429.0 U	423 U	418 U	750 U	589 U
Carbazole	UG/KG 429.0 U	429.0 U	423 U	418 U	750 U	589 U
Chrysene	UG/KG 429.0 U	429.0 U	423 U	418 U	750 U	589 U
Dibenzofuran	UG/KG 429.0 U	429.0 U	423 U	418 U	750 U	589 U
Dibenz[a,h]anthracene	UG/KG 429.0 U	429.0 U	423 U	418 U	750 U	589 U
Diethylphthalate	UG/KG 429.0 U	429.0 U	423 U	418 U	750 U	589 U
Dimethyl phthalate	UG/KG 429.0 U	429.0 U	423 U	418 U	750 U	589 U
di-n-Butylphthalate	UG/KG 430.0 U	429.0 U	59 J	65 J	370 J	240 J
di-n-Octylphthalate	UG/KG 429.0 U	429.0 U	423 U	418 U	750 U	589 U
Fluoranthene	UG/KG 429.0 U	429.0 U	423 U	418 U	750 U	589 U
Fluorene	UG/KG 429.0 U	429.0 U	423 U	418 U	750 U	589 U
Hexachlorobenzene	UG/KG 429.0 U	429.0 U	423 U	418 U	750 U	589 U
Hexachlorobutadiene	UG/KG 429.0 U	429.0 U	423 U	418 U	750 U	589 U
Hexachlorocyclopentadiene	UG/KG 429.0 U	429.0 U	423 U	418 U	750 U	589 U
Hexachloroethane	UG/KG 429.0 U	429.0 U	423 U	418 U	750 U	589 U
Indeno[1,2,3-cd]pyrene	UG/KG 429.0 U	429.0 U	423 U	418 U	750 U	589 U
Isophorone	UG/KG 429.0 U	429.0 U	423 U	418 U	750 U	589 U
Naphthalene	UG/KG 429.0 U	429.0 U	423 U	418 U	750 U	589 U
Nitrobenzene	UG/KG 429.0 U	429.0 U	423 U	418 U	750 U	589 U
N-Nitroso-di-n-propylamine	UG/KG 429.0 U	429.0 U	423 U	418 U	750 U	589 U
N-nitrosodiphenylamine	UG/KG 429.0 U	429.0 U	423 U	418 U	750 U	589 U
Pentachlorophenol	UG/KG 1040.0 U	1040.0 U	1020 U	1010 U	1820 U	1430 U
Phenanthrene	UG/KG 429.0 U	429.0 U	423 U	418 U	750 U	589 U
Phenol	UG/KG 429.0 U	429.0 U	423 U	418 U	750 U	589 U
Pyrene	UG/KG 429.0 U	429.0 U	423 U	418 U	750 U	589 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 UNNAMED TRIBUTARY AND TANK CREEK SEDIMENT
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-UN-SD04-06	41-UN-SD04-612	41-NE-SD05-06	41-NE-SD05-612	41-UN-SD10-06	41-UN-SD10-612	
Laboratory Sample ID:	9402041-05	9402041-06	9402091-01A	9402091-02A	9402020-01	9402020-02	
Date Sampled:	02/01/94	02/01/94					
Percent Solids	78.1	77.1	77.5	78.9	43.8	56	
VOLATILES							
Chloromethane	UG/KG	12.8 U	13.0 U	13 U	13 U	22.7 U	17.8 U
Bromomethane	UG/KG	12.8 U	13.0 U	13 U	13 U	22.7 U	17.8 U
Vinyl chloride	UG/KG	12.8 U	13.0 U	13 U	13 U	22.7 U	17.8 U
Chloroethane	UG/KG	12.8 U	13.0 U	13 U	13 U	22.7 U	17.8 U
Methylene chloride	UG/KG	2.00 J	3.00 J	6 J	7 J	23 U	18 U
Acetone	UG/KG	12.8 UJ	150.0 J	13 U	32 U	22.7 U	17.8 UJ
Carbon Disulfide	UG/KG	12.8 U	13.0 U	13 U	13 U	22.7 U	17.8 U
1,1-Dichloroethene	UG/KG	12.8 U	13.0 U	13 U	13 U	22.7 U	17.8 U
1,1-Dichloroethane	UG/KG	12.8 U	13.0 U	13 U	13 U	22.7 U	17.8 U
1,2-Dichloroethene(total)	UG/KG	12.8 U	13.0 U	13 U	13 U	22.7 U	17.8 U
Chloroform	UG/KG	12.8 U	13.0 U	13 U	13 U	22.7 U	17.8 U
1,2-Dichloroethane	UG/KG	12.8 U	13.0 U	13 U	13 U	22.7 U	17.8 U
2-Butanone	UG/KG	12.8 UJ	13.0 UJ	13 U	13 U	22.7 U	17.8 U
1,1,1-Trichloroethane	UG/KG	12.8 U	13.0 U	13 U	13 U	22.7 U	17.8 U
Carbon tetrachloride	UG/KG	12.8 U	13.0 U	13 U	13 U	22.7 U	17.8 U
Bromodichloromethane	UG/KG	12.8 U	13.0 U	13 U	13 U	22.7 U	17.8 U
1,2-Dichloropropane	UG/KG	12.8 U	13.0 U	13 U	13 U	22.7 U	17.8 U
cis-1,3-Dichloropropene	UG/KG	12.8 U	13.0 U	13 U	13 U	22.7 U	17.8 U
Trichloroethene	UG/KG	12.8 U	13.0 U	13 U	13 U	22.7 U	17.8 U
Dibromochloromethane	UG/KG	12.8 U	13.0 U	13 U	13 U	22.7 U	17.8 U
1,1,2-Trichloroethane	UG/KG	12.8 U	13.0 U	13 U	13 U	22.7 U	17.8 U
Benzene	UG/KG	12.8 U	13.0 U	13 U	13 U	22.7 U	17.8 U
trans-1,3-Dichloropropene	UG/KG	12.8 U	13.0 U	13 U	13 U	22.7 U	17.8 U
Bromoform	UG/KG	12.8 U	13.0 U	13 U	13 U	22.7 U	17.8 U
4-Methyl-2-pentanone	UG/KG	12.8 U	13.0 U	13 U	13 U	22.7 U	17.8 U
2-Hexanone	UG/KG	12.8 U	13.0 U	13 U	13 U	22.7 U	17.8 U
Tetrachloroethene	UG/KG	12.8 U	13.0 U	13 U	13 U	22.7 U	17.8 U
1,1,2,2-Tetrachloroethane	UG/KG	12.8 U	13.0 U	13 U	13 U	22.7 U	17.8 U
Toluene	UG/KG	12.8 U	13.0 U	13 U	13 U	22.7 U	17.8 U
Chlorobenzene	UG/KG	12.8 U	13.0 U	13 U	13 U	22.7 U	17.8 U
Ethylbenzene	UG/KG	12.8 U	13.0 U	13 U	13 U	22.7 U	17.8 U
Styrene	UG/KG	12.8 U	13.0 U	13 U	13 U	22.7 U	17.8 U
Xylenes (total)	UG/KG	12.8 U	13.0 U	13 U	13 U	22.7 U	17.8 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 UNNAMED TRIBUTARY AND TANK CREEK SEDIMENT
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-UN-SD04-06	41-UN-SD04-612	41-NE-SD05-06	41-NE-SD05-612	41-UN-SD10-06	41-UN-SD10-612	
Laboratory Sample ID:	9402041-05	9402041-06	9402091-01A	9402091-02A	9402020-01	9402020-02	
Date Sampled:	02/01/94	02/01/94					
Percent Solids	78.1	77.1	77.5	78.9	43.8	56	
PESTICIDE/PCBS							
alpha-BHC	UG/KG	2.18 UJ	2.21 UJ	2.21 UJ	2.15 UJ	3.86 UJ	3.03 UJ
beta-BHC	UG/KG	2.18 UJ	2.21 UJ	2.21 UJ	2.15 UJ	3.86 U	3.03 U
delta-BHC	UG/KG	2.18 UJ	2.21 UJ	2.21 UJ	2.15 UJ	3.86 UJ	3.03 UJ
Lindane (gamma-BHC)	UG/KG	2.18 U	2.21 U	2.21 UJ	2.15 UJ	3.86 U	3.03 U
Heptachlor	UG/KG	2.18 U	2.21 U	2.21 UJ	2.15 UJ	3.86 U	3.03 U
Aldrin	UG/KG	2.18 U	2.21 U	2.21 UJ	2.15 UJ	3.86 U	3.03 U
Heptachlor epoxide	UG/KG	2.18 U	2.21 U	2.21 UJ	2.15 UJ	3.86 U	3.03 U
Endosulfan I	UG/KG	2.18 U	2.21 U	2.21 UJ	2.15 UJ	3.86 U	3.03 U
Dieldrin	UG/KG	0.460 NJ	4.28 U	4.28 UJ	4.18 UJ	7.49 U	5.87 U
4,4'-DDE	UG/KG	2.07 J	1.34 J	1.27 J	4.18 UJ	29 J	31.3 J
Endrin	UG/KG	4.23 U	4.28 U	4.28 UJ	4.18 UJ	7.49 U	5.87 U
Endosulfan II	UG/KG	4.23 U	4.28 U	4.28 UJ	4.18 UJ	2.13 NJ	5.87 U
4,4'-DDD	UG/KG	3.95 J	1.70 J	1.09 J	4.18 UJ	23.1 J	73.9 J
Endosulfan sulfate	UG/KG	4.23 U	4.28 U	4.28 UJ	4.18 UJ	7.49 U	5.87 U
4,4'-DDT	UG/KG	4.23 UJ	4.28 UJ	0.36 NJ	4.18 UJ	4.51 J	5.96 J
Methoxychlor	UG/KG	21.8 UJ	22.1 UJ	22.1 UJ	21.5 UJ	3.2 J	30.3 U
Endrin ketone	UG/KG	4.23 U	4.28 U	4.28 UJ	4.18 UJ	7.49 U	5.87 U
Endrin aldehyde	UG/KG	4.23 U	4.28 U	4.28 UJ	4.18 UJ	7.49 U	5.87 U
alpha-Chlordane	UG/KG	0.410 J	2.21 U	2.21 UJ	2.15 UJ	3.72 J	1.81 J
gamma-Chlordane	UG/KG	0.400 J	2.21 U	2.21 UJ	2.15 UJ	6.35 J	1.45 J
Toxaphene	UG/KG	218.0 U	221.0 U	221 UJ	215 UJ	386 U	303 U
Aroclor 1016	UG/KG	42.3 U	42.8 U	42.8 UJ	41.8 UJ	74.9 U	58.7 U
Aroclor 1221	UG/KG	85.9 U	87.0 U	87 UJ	84.8 UJ	152 U	119 U
Aroclor 1232	UG/KG	42.3 U	42.8 U	42.8 UJ	41.8 UJ	74.9 U	58.7 U
Aroclor 1242	UG/KG	42.3 U	42.8 U	42.8 UJ	41.8 UJ	74.9 U	58.7 U
Aroclor 1248	UG/KG	42.3 U	42.8 U	42.8 UJ	41.8 UJ	74.9 U	58.7 U
Aroclor 1254	UG/KG	42.3 U	42.8 U	42.8 UJ	41.8 UJ	74.9 U	58.7 U
Aroclor 1260	UG/KG	42.3 U	42.8 U	42.8 UJ	41.8 UJ	74.9 U	58.7 U

FREQUENCY OF DETECTION SUMMARY
OPERABLE UNIT NO. 4 (SITE 41)
UNNAMED TRIBUTARY AND TANK CREEK SEDIMENT
MCB CAMP LEJEUNE, NORTH CAROLINA
REMEDIAL INVESTIGATION - CTO-0212
ORGANICS

Client Sample ID:	41-UN-SD04-06	41-UN-SD04-612	41-NE-SD05-06	41-NE-SD05-612	41-UN-SD10-06	41-UN-SD10-612
Laboratory Sample ID:	9402041-05	9402041-06	9402091-01A	9402091-02A	9402020-01	9402020-02
Date Sampled:	02/01/94	02/01/94				
Percent Solids	78.1	77.1	77.5	78.9	43.8	56
ORDNANCE						
1,3,5-Trinitrobenzene	UG/KG	40.2 U	40.2 U	40.2 U	40.2 U	40.2 U
1,3-Dinitrobenzene	UG/KG	37.2 U	37.2 U	37.2 U	37.2 U	37.2 U
2,4,6-Trinitrotoluene	UG/KG	35.6 U	35.6 U	35.6 U	35.6 U	35.6 U
2,4-Dinitrotoluene	UG/KG	51.6 U	51.6 U	51.6 U	51.6 U	51.6 U
2,6-Dinitrotoluene	UG/KG	47.6 U	47.6 U	47.6 U	47.6 U	47.6 U
2-Amino-4,6-dinitrotoluene	UG/KG	46.7 U	46.7 U	46.7 U	46.7 U	46.7 U
2-Nitrotoluene	UG/KG	81.4 U	81.4 U	81.4 U	81.4 U	81.4 U
3-Nitrotoluene	UG/KG	81.7 U	81.7 U	81.7 U	81.7 U	81.7 U
4-Amino-2,6-dinitrotoluene	UG/KG	40.8 U	40.8 U	40.8 U	40.8 U	40.8 U
4-Nitrotoluene	UG/KG	87.2 U	87.2 U	87.2 U	87.2 U	87.2 U
HMX	UG/KG	70.5 U	70.5 U	70.5 U	70.5 U	70.5 U
Nitrobenzene	UG/KG	35.2 U	35.2 U	35.2 U	35.2 U	35.2 U
RDX	UG/KG	50.9 U	50.9 U	50.9 U	50.9 U	50.9 U
Tetryl	UG/KG	163.0 U	163.0 U	163 UJ	163 U	163 U
MIREX						
Mirex	UG/KG	NA	NA	2100 U	2100 U	750 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 UNNAMED TRIBUTARY AND TANK CREEK SEDIMENT
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-UN-SD11-06	41-UN-SD11-612	41-UN-SD12-06	41-UN-SD12-612	41-UN-SD13-06	41-UN-SD13-612	
Laboratory Sample ID:	9402062-01	9402062-02	9402066-03A	9402066-04A	9402053-05	9402053-06	
Date Sampled:	02/04/94	02/04/94			02/03/94	02/03/94	
Percent Solids	77.1	79.6	80.1	81.5	45.8	52.9	
SEMIVOLATILES							
1,2-Dichlorobenzene	UG/KG	429.0 U	412.0 U	412 U	407 U	716.0 U	627.0 U
1,2,4-Trichlorobenzene	UG/KG	429.0 U	412.0 U	412 U	407 U	716.0 U	627.0 U
1,3-Dichlorobenzene	UG/KG	429.0 U	412.0 U	412 U	407 U	716.0 U	627.0 U
1,4-Dichlorobenzene	UG/KG	429.0 U	412.0 U	412 U	407 U	716.0 U	627.0 U
2-Chloronaphthalene	UG/KG	429.0 U	412.0 U	412 U	407 U	716.0 U	627.0 U
2-Chlorophenol	UG/KG	429.0 U	412.0 U	412 U	407 U	716.0 U	627.0 U
2-Methylnaphthalene	UG/KG	429.0 U	412.0 U	412 U	407 U	716.0 U	627.0 U
2-Methylphenol	UG/KG	429.0 U	412.0 U	412 U	407 U	716.0 U	627.0 U
2-Nitroaniline	UG/KG	1040.0 U	1000.0 U	1000 U	988 U	1740.0 U	1520.0 U
2-Nitrophenol	UG/KG	429.0 U	412.0 U	412 U	407 U	716.0 U	627.0 U
2,2'-oxybis-(1-chloropropane)	UG/KG	429.0 U	412.0 U	412 U	407 U	716.0 U	627.0 U
2,4-Dichlorophenol	UG/KG	429.0 U	412.0 U	412 U	407 U	716.0 U	627.0 U
2,4-Dimethylphenol	UG/KG	429.0 U	412.0 U	412 U	407 U	716.0 U	627.0 U
2,4-Dinitrophenol	UG/KG	1040.0 U	1000.0 U	1000 U	988 U	1740.0 U	1520.0 U
2,4-Dinitrotoluene	UG/KG	429.0 U	412.0 U	412 U	407 U	716.0 U	627.0 U
2,4,5-Trichlorophenol	UG/KG	1040.0 U	1000.0 U	1000 U	988 U	1740.0 U	1520.0 U
2,4,6-Trichlorophenol	UG/KG	429.0 U	412.0 U	412 U	407 U	716.0 U	627.0 U
2,6-Dinitrotoluene	UG/KG	429.0 U	412.0 U	412 U	407 U	716.0 U	627.0 U
3-Nitroaniline	UG/KG	1040.0 U	1000.0 U	1000 U	988 U	1740.0 U	1520.0 U
3,3'-Dichlorobenzidine	UG/KG	429.0 U	412.0 U	412 U	407 U	716.0 U	627.0 U
4-Bromophenyl-phenylether	UG/KG	429.0 U	412.0 U	412 U	407 U	716.0 U	627.0 U
4-Chloro-3-methylphenol	UG/KG	429.0 U	412.0 U	412 U	407 U	716.0 U	627.0 U
4-Chloroaniline	UG/KG	429.0 U	412.0 U	412 U	407 U	716.0 U	627.0 U
4-Chlorophenyl phenyl ether	UG/KG	429.0 U	412.0 U	412 U	407 U	716.0 U	627.0 U
4-Methylphenol	UG/KG	429.0 U	412.0 U	412 U	407 U	716.0 U	627.0 U
4-Nitroaniline	UG/KG	1040.0 U	1000.0 U	1000 U	988 U	1740.0 U	1520.0 U
4-Nitrophenol	UG/KG	1040.0 U	1000.0 U	1000 U	988 U	1740.0 U	1520.0 U
4,6-Dinitro-2-methylphenol	UG/KG	1040.0 U	1000.0 U	1000 U	988 U	1740.0 U	1520.0 U
Acenaphthene	UG/KG	429.0 U	412.0 U	412 U	407 U	716.0 U	627.0 U
Acenaphthylene	UG/KG	429.0 U	412.0 U	412 U	407 U	716.0 U	627.0 U
Anthracene	UG/KG	429.0 U	412.0 U	412 U	407 U	716.0 U	627.0 U
Benzo[a]anthracene	UG/KG	429.0 U	412.0 U	412 U	407 U	716.0 U	627.0 U
Benzo[a]pyrene	UG/KG	429.0 U	412.0 U	412 U	407 U	716.0 U	627.0 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 UNNAMED TRIBUTARY AND TANK CREEK SEDIMENT
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-UN-SD11-06	41-UN-SD11-612	41-UN-SD12-06	41-UN-SD12-612	41-UN-SD13-06	41-UN-SD13-612
Laboratory Sample ID:	9402062-01	9402062-02	9402066-03A	9402066-04A	9402053-05	9402053-06
Date Sampled:	02/04/94	02/04/94			02/03/94	02/03/94
Percent Solids	77.1	79.6	80.1	81.5	45.8	52.9

SEMIVOLATILES Cont.							
Benzo[b]fluoranthene	UG/KG	429.0 U	412.0 U	412 U	407 U	716.0 U	627.0 U
Benzo[g,h,i]perylene	UG/KG	429.0 U	412.0 U	412 U	407 U	716.0 U	627.0 U
Benzo[k]fluoranthene	UG/KG	429.0 U	412.0 U	412 U	407 U	716.0 U	627.0 U
bis(2-Chloroethoxy) methane	UG/KG	429.0 U	412.0 U	412 U	407 U	716.0 U	627.0 U
bis(2-Chloroethyl) ether	UG/KG	429.0 U	412.0 U	412 U	407 U	716.0 U	627.0 U
bis(2-Ethylhexyl)phthalate	UG/KG	429.0 U	412.0 U	412 U	407 U	716.0 U	627.0 U
Butyl benzyl phthalate	UG/KG	429.0 U	412.0 U	412 U	407 U	716.0 U	627.0 U
Carbazole	UG/KG	429.0 U	412.0 U	412 U	407 U	716.0 U	627.0 U
Chrysene	UG/KG	429.0 U	412.0 U	412 U	407 U	716.0 U	627.0 U
Dibenzofuran	UG/KG	429.0 U	412.0 U	412 U	407 U	716.0 U	627.0 U
Dibenz[a,h]anthracene	UG/KG	429.0 U	412.0 U	412 U	407 U	716.0 U	627.0 U
Diethylphthalate	UG/KG	429.0 U	412.0 U	412 U	407 U	716.0 U	627.0 U
Dimethyl phthalate	UG/KG	429.0 U	412.0 U	412 U	407 U	716.0 U	627.0 U
di-n-Butylphthalate	UG/KG	429.0 U	412.0 U	412 U	407 U	720.0 U	630.0 U
di-n-Octylphthalate	UG/KG	429.0 U	412.0 U	412 U	407 U	716.0 U	627.0 U
Fluoranthene	UG/KG	429.0 U	412.0 U	412 U	407 U	716.0 U	627.0 U
Fluorene	UG/KG	429.0 U	412.0 U	412 U	407 U	716.0 U	627.0 U
Hexachlorobenzene	UG/KG	429.0 U	412.0 U	412 U	407 U	716.0 U	627.0 U
Hexachlorobutadiene	UG/KG	429.0 U	412.0 U	412 U	407 U	716.0 U	627.0 U
Hexachlorocyclopentadiene	UG/KG	429.0 U	412.0 U	412 U	407 U	716.0 U	627.0 U
Hexachloroethane	UG/KG	429.0 U	412.0 U	412 U	407 U	716.0 U	627.0 U
Indeno[1,2,3-cd]pyrene	UG/KG	429.0 U	412.0 U	412 U	407 U	716.0 U	627.0 U
Isophorone	UG/KG	429.0 U	412.0 U	412 U	407 U	716.0 U	627.0 U
Naphthalene	UG/KG	429.0 U	412.0 U	412 U	407 U	716.0 U	627.0 U
Nitrobenzene	UG/KG	429.0 U	412.0 U	412 U	407 U	716.0 U	627.0 U
N-Nitroso-di-n-propylamine	UG/KG	429.0 U	412.0 U	412 U	407 U	716.0 U	627.0 U
N-nitrosodiphenylamine	UG/KG	429.0 U	412.0 U	412 U	407 U	716.0 U	627.0 U
Pentachlorophenol	UG/KG	1040.0 U	1000.0 U	1000 U	988 U	1740.0 U	1520.0 U
Phenanthrene	UG/KG	429.0 U	412.0 U	412 U	407 U	716.0 U	627.0 U
Phenol	UG/KG	429.0 U	412.0 U	412 U	407 U	716.0 U	627.0 U
Pyrene	UG/KG	429.0 U	412.0 U	412 U	407 U	716.0 U	627.0 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 UNNAMED TRIBUTARY AND TANK CREEK SEDIMENT
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-UN-SD11-06	41-UN-SD11-612	41-UN-SD12-06	41-UN-SD12-612	41-UN-SD13-06	41-UN-SD13-612	
Laboratory Sample ID:	9402062-01	9402062-02	9402066-03A	9402066-04A	9402053-05	9402053-06	
Date Sampled:	02/04/94	02/04/94			02/03/94	02/03/94	
Percent Solids	77.1	79.6	80.1	81.5	45.8	52.9	
VOLATILES							
Chloromethane	UG/KG	13.0 U	12.5 U	12 U	12 U	21.7 U	18.9 U
Bromomethane	UG/KG	13.0 U	12.5 U	12 U	12 U	21.7 U	18.9 U
Vinyl chloride	UG/KG	13.0 U	12.5 U	12 U	12 U	21.7 U	18.9 U
Chloroethane	UG/KG	13.0 U	12.5 U	12 U	12 U	21.7 U	18.9 U
Methylene chloride	UG/KG	13.0 U	12.50 U	12 U	12 U	22.0 U	19.0 U
Acetone	UG/KG	23.0 U	12.5 U	12 UJ	14 UJ	130.0	25.0
Carbon Disulfide	UG/KG	13.0 U	12.5 U	12 U	12 U	21.7 U	18.9 U
1,1-Dichloroethene	UG/KG	13.0 U	12.5 U	12 U	12 U	21.7 U	18.9 U
1,1-Dichloroethane	UG/KG	13.0 U	12.5 U	12 U	12 U	21.7 U	18.9 U
1,2-Dichloroethene(total)	UG/KG	13.0 U	12.5 U	12 U	12 U	21.7 U	18.9 U
Chloroform	UG/KG	13.0 U	12.5 U	12 U	12 U	21.7 U	18.9 U
1,2-Dichloroethane	UG/KG	13.0 U	12.5 U	12 U	12 U	21.7 U	18.9 U
2-Butanone	UG/KG	13.0 U	12.5 U	12 U	12 U	21.7 U	18.9 U
1,1,1-Trichloroethane	UG/KG	13.0 U	12.5 U	12 U	12 U	21.7 U	18.9 U
Carbon tetrachloride	UG/KG	13.0 U	12.5 U	12 U	12 U	21.7 U	18.9 U
Bromodichloromethane	UG/KG	13.0 U	12.5 U	12 U	12 U	21.7 U	18.9 U
1,2-Dichloropropane	UG/KG	13.0 U	12.5 U	12 U	12 U	21.7 U	18.9 U
cis-1,3-Dichloropropene	UG/KG	13.0 U	12.5 U	12 U	12 U	21.7 U	18.9 U
Trichloroethene	UG/KG	13.0 U	12.5 U	12 U	12 U	21.7 U	18.9 U
Dibromochloromethane	UG/KG	13.0 U	12.5 U	12 U	12 U	21.7 U	18.9 U
1,1,2-Trichloroethane	UG/KG	13.0 U	12.5 U	12 U	12 U	21.7 U	18.9 U
Benzene	UG/KG	13.0 U	12.5 U	12 U	12 U	21.7 U	18.9 U
trans-1,3-Dichloropropene	UG/KG	13.0 U	12.5 U	12 U	12 U	21.7 U	18.9 U
Bromoform	UG/KG	13.0 U	12.5 U	12 U	12 U	21.7 U	18.9 U
4-Methyl-2-pentanone	UG/KG	13.0 U	12.5 U	12 U	12 U	21.7 U	18.9 U
2-Hexanone	UG/KG	13.0 U	12.5 U	12 U	12 U	21.7 U	18.9 U
Tetrachloroethene	UG/KG	13.0 U	12.5 U	12 U	12 U	21.7 U	18.9 U
1,1,2,2-Tetrachloroethane	UG/KG	13.0 U	12.5 U	12 U	12 U	21.7 U	18.9 U
Toluene	UG/KG	13.0 U	12.5 U	12 U	12 U	21.7 U	18.9 U
Chlorobenzene	UG/KG	13.0 U	12.5 U	12 U	12 U	21.7 U	18.9 U
Ethylbenzene	UG/KG	13.0 U	12.5 U	12 U	12 U	21.7 U	18.9 U
Styrene	UG/KG	13.0 U	12.5 U	12 U	12 U	21.7 U	18.9 U
Xylenes (total)	UG/KG	13.0 U	12.5 U	12 U	12 U	21.7 U	18.9 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 UNNAMED TRIBUTARY AND TANK CREEK SEDIMENT
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-UN-SD11-06	41-UN-SD11-612	41-UN-SD12-06	41-UN-SD12-612	41-UN-SD13-06	41-UN-SD13-612	
Laboratory Sample ID:	9402062-01	9402062-02	9402066-03A	9402066-04A	9402053-05	9402053-06	
Date Sampled:	02/04/94	02/04/94			02/03/94	02/03/94	
Percent Solids	77.1	79.6	80.1	81.5	45.8	52.9	
PESTICIDE/PCBS							
alpha-BHC	UG/KG	2.21 UJ	2.12 UJ	2.12 UJ	2.12 UJ	3.70 UJ	3.21 U
beta-BHC	UG/KG	2.21 UJ	2.12 UJ	2.12 UJ	2.12 UJ	3.70 UJ	3.21 U
delta-BHC	UG/KG	2.21 UJ	2.12 UJ	2.12 UJ	2.12 UJ	3.70 UJ	3.21 U
Lindane (gamma-BHC)	UG/KG	2.21 UJ	2.12 U	2.12 UJ	2.12 UJ	3.70 U	3.21 U
Heptachlor	UG/KG	2.21 UJ	2.12 U	2.12 U	2.12 U	3.70 U	3.21 U
Aldrin	UG/KG	2.21 UJ	2.12 U	2.12 U	2.12 U	3.70 U	3.21 U
Heptachlor epoxide	UG/KG	2.21 UJ	2.12 U	2.12 U	2.12 U	3.70 U	3.21 U
Endosulfan I	UG/KG	2.21 UJ	2.12 U	2.12 U	2.12 U	3.70 U	3.21 U
Dieldrin	UG/KG	4.28 UJ	4.12 U	4.12 U	4.12 U	6.39 NJ	5.19 NJ
4,4'-DDE	UG/KG	4.28 UJ	4.12 U	4.12 U	4.12 U	14.3	14.9 J
Endrin	UG/KG	4.28 UJ	4.12 U	4.12 U	4.12 U	7.17 U	6.23 U
Endosulfan II	UG/KG	4.28 UJ	4.12 U	4.12 U	4.12 U	5.90 J	3.44 NJ
4,4'-DDD	UG/KG	4.28 UJ	4.12 U	4.12 UJ	4.12 UJ	7.69 J	10.5 J
Endosulfan sulfate	UG/KG	4.28 UJ	4.12 U	4.12 U	4.12 U	7.17 U	6.23 U
4,4'-DDT	UG/KG	0.430 NJ	4.12 UJ	4.12 UJ	4.12 UJ	4.78 J	9.64 J
Methoxychlor	UG/KG	22.1 UJ	21.2 UJ	21.2 U	1.93 J	37.0 UJ	32.1 UJ
Endrin ketone	UG/KG	4.28 UJ	0.660 NJ	4.12 U	4.12 U	7.17 U	6.23 U
Endrin aldehyde	UG/KG	4.28 UJ	4.12 U	4.12 U	4.12 U	7.17 U	6.23 U
alpha-Chlordane	UG/KG	2.21 UJ	2.12 U	2.12 U	2.12 U	2.56 J	3.09 J
gamma-Chlordane	UG/KG	2.21 UJ	2.12 U	2.12 U	2.12 U	2.00 J	2.44 J
Toxaphene	UG/KG	221.0 UJ	212.0 U	212 U	212 U	370.0 U	321.0 U
Aroclor 1016	UG/KG	42.8 UJ	41.2 U	41.2 U	41.2 U	71.7 U	62.3 U
Aroclor 1221	UG/KG	87.0 UJ	83.8 U	83.8 U	83.8 U	146.0 U	126.0 U
Aroclor 1232	UG/KG	42.8 UJ	41.2 U	41.2 U	41.2 U	71.7 U	62.3 U
Aroclor 1242	UG/KG	42.8 UJ	41.2 U	41.2 U	41.2 U	71.7 U	62.3 U
Aroclor 1248	UG/KG	42.8 UJ	41.2 U	41.2 U	41.2 U	63.0 J	140.0 J
Aroclor 1254	UG/KG	42.8 UJ	41.2 U	41.2 U	41.2 U	68.0 J	62.3 U
Aroclor 1260	UG/KG	42.8 UJ	41.2 U	41.2 U	41.2 U	71.7 U	62.3 U

FREQUENCY OF DETECTION SUMMARY
OPERABLE UNIT NO. 4 (SITE 41)
UNNAMED TRIBUTARY AND TANK CREEK SEDIMENT
MCB CAMP LEJEUNE, NORTH CAROLINA
REMEDIAL INVESTIGATION - CTO-0212
ORGANICS

Client Sample ID:	41-UN-SD11-06	41-UN-SD11-612	41-UN-SD12-06	41-UN-SD12-612	41-UN-SD13-06	41-UN-SD13-612
Laboratory Sample ID:	9402062-01	9402062-02	9402066-03A	9402066-04A	9402053-05	9402053-06
Date Sampled:	02/04/94	02/04/94			02/03/94	02/03/94
Percent Solids	77.1	79.6	80.1	81.5	45.8	52.9
ORDNANCE						
1,3,5-Trinitrobenzene	UG/KG	40.2 U	40.2 U	40.2 U	40.2 U	40.2 U
1,3-Dinitrobenzene	UG/KG	37.2 U	37.2 U	37.2 U	37.2 U	37.2 U
2,4,6-Trinitrotoluene	UG/KG	35.6 U	35.6 U	35.6 U	35.6 U	35.6 U
2,4-Dinitrotoluene	UG/KG	51.6 U	51.6 U	51.6 U	51.6 U	51.6 U
2,6-Dinitrotoluene	UG/KG	47.6 U	47.6 U	47.6 U	47.6 U	47.6 U
2-Amino-4,6-dinitrotoluene	UG/KG	46.7 U	46.7 U	46.7 U	46.7 U	46.7 U
2-Nitrotoluene	UG/KG	81.4 U	81.4 U	81.4 U	81.4 U	81.4 U
3-Nitrotoluene	UG/KG	81.7 U	81.7 U	81.7 U	81.7 U	81.7 U
4-Amino-2,6-dinitrotoluene	UG/KG	40.8 U	40.8 U	40.8 U	40.8 U	40.8 U
4-Nitrotoluene	UG/KG	87.2 U	87.2 U	87.2 U	87.2 U	87.2 U
HMX	UG/KG	70.5 U	70.5 U	70.5 U	70.5 U	70.5 U
Nitrobenzene	UG/KG	35.2 U	35.2 U	35.2 U	35.2 U	35.2 U
RDX	UG/KG	50.9 U	50.9 U	50.9 U	50.9 U	50.9 U
Tetryl	UG/KG	163.0 U	163.0 U	163 UJ	163.0 U	163.0 U
MIREX						
Mirex	UG/KG	NA	NA	2100 U	2100 U	NA

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 UNNAMED TRIBUTARY AND TANK CREEK SEDIMENT
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-UN-SD14-06	41-UN-SD14-612	41-UN-SD15	41-UN-SD16	41-UN-SD17	41-UN-SD18
Laboratory Sample ID:	9402053-01	9402053-02	AB7537	AB7534	AB7531	AB7528
Date Sampled:	02/03/94	02/03/94	08/23/94	08/23/94	08/23/94	08/23/94
Percent Solids	62.7	63.6	65.4	85.5	81.7	68.8
SEMIVOLATILES						
1,2-Dichlorobenzene	UG/KG	528.0 U	515.0 U	NA	NA	NA
1,2,4-Trichlorobenzene	UG/KG	528.0 U	515.0 U	NA	NA	NA
1,3-Dichlorobenzene	UG/KG	528.0 U	515.0 U	NA	NA	NA
1,4-Dichlorobenzene	UG/KG	528.0 U	515.0 U	NA	NA	NA
2-Chloronaphthalene	UG/KG	528.0 U	515.0 U	NA	NA	NA
2-Chlorophenol	UG/KG	528.0 U	515.0 U	NA	NA	NA
2-Methylnaphthalene	UG/KG	528.0 U	515.0 U	NA	NA	NA
2-Methylphenol	UG/KG	528.0 U	515.0 U	NA	NA	NA
2-Nitroaniline	UG/KG	1280.0 U	1250.0 U	NA	NA	NA
2-Nitrophenol	UG/KG	528.0 U	515.0 U	NA	NA	NA
2,2'-oxybis-(1-chloropropane)	UG/KG	528.0 U	515.0 U	NA	NA	NA
2,4-Dichlorophenol	UG/KG	528.0 U	515.0 U	NA	NA	NA
2,4-Dimethylphenol	UG/KG	528.0 U	515.0 U	NA	NA	NA
2,4-Dinitrophenol	UG/KG	1280.0 U	1250.0 U	NA	NA	NA
2,4-Dinitrotoluene	UG/KG	528.0 U	515.0 U	NA	NA	NA
2,4,5-Trichlorophenol	UG/KG	1280.0 U	1250.0 U	NA	NA	NA
2,4,6-Trichlorophenol	UG/KG	528.0 U	515.0 U	NA	NA	NA
2,6-Dinitrotoluene	UG/KG	528.0 U	515.0 U	NA	NA	NA
3-Nitroaniline	UG/KG	1280.0 U	1250.0 U	NA	NA	NA
3,3'-Dichlorobenzidine	UG/KG	528.0 U	515.0 U	NA	NA	NA
4-Bromophenyl-phenylether	UG/KG	528.0 U	515.0 U	NA	NA	NA
4-Chloro-3-methylphenol	UG/KG	528.0 U	515.0 U	NA	NA	NA
4-Chloroaniline	UG/KG	528.0 U	515.0 U	NA	NA	NA
4-Chlorophenyl phenyl ether	UG/KG	528.0 U	515.0 U	NA	NA	NA
4-Methylphenol	UG/KG	528.0 U	515.0 U	NA	NA	NA
4-Nitroaniline	UG/KG	1280.0 U	1250.0 U	NA	NA	NA
4-Nitrophenol	UG/KG	1280.0 U	1250.0 U	NA	NA	NA
4,6-Dinitro-2-methylphenol	UG/KG	1280.0 U	1250.0 U	NA	NA	NA
Acenaphthene	UG/KG	528.0 U	515.0 U	NA	NA	NA
Acenaphthylene	UG/KG	528.0 U	515.0 U	NA	NA	NA
Anthracene	UG/KG	528.0 U	515.0 U	NA	NA	NA
Benzo[a]anthracene	UG/KG	528.0 U	515.0 U	NA	NA	NA
Benzo[a]pyrene	UG/KG	528.0 U	515.0 U	NA	NA	NA

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 UNNAMED TRIBUTARY AND TANK CREEK SEDIMENT
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-UN-SD14-06	41-UN-SD14-612	41-UN-SD15	41-UN-SD16	41-UN-SD17	41-UN-SD18
Laboratory Sample ID:	9402053-01	9402053-02	AB7537	AB7534	AB7531	AB7528
Date Sampled:	02/03/94	02/03/94	08/23/94	08/23/94	08/23/94	08/23/94
Percent Solids	62.7	63.6	65.4	85.5	81.7	68.8

SEMIVOLATILES Cont.

Benzo[b]fluoranthene	UG/KG	528.0 U	515.0 U	NA	NA	NA	NA
Benzo[g,h,i]perylene	UG/KG	528.0 U	515.0 U	NA	NA	NA	NA
Benzo[k]fluoranthene	UG/KG	528.0 U	515.0 U	NA	NA	NA	NA
bis(2-Chloroethoxy) methane	UG/KG	528.0 U	515.0 U	NA	NA	NA	NA
bis(2-Chloroethyl) ether	UG/KG	528.0 U	515.0 U	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	UG/KG	528.0 U	515.0 U	NA	NA	NA	NA
Butyl benzyl phthalate	UG/KG	528.0 U	515.0 U	NA	NA	NA	NA
Carbazole	UG/KG	528.0 U	515.0 U	NA	NA	NA	NA
Chrysene	UG/KG	528.0 U	515.0 U	NA	NA	NA	NA
Dibenzofuran	UG/KG	528.0 U	515.0 U	NA	NA	NA	NA
Dibenz[a,h]anthracene	UG/KG	528.0 U	515.0 U	NA	NA	NA	NA
Diethylphthalate	UG/KG	528.0 U	515.0 U	NA	NA	NA	NA
Dimethyl phthalate	UG/KG	528.0 U	515.0 U	NA	NA	NA	NA
di-n-Butylphthalate	UG/KG	530.0 U	520.0 U	NA	NA	NA	NA
di-n-Octylphthalate	UG/KG	528.0 U	515.0 U	NA	NA	NA	NA
Fluoranthene	UG/KG	528.0 U	515.0 U	NA	NA	NA	NA
Fluorene	UG/KG	528.0 U	515.0 U	NA	NA	NA	NA
Hexachlorobenzene	UG/KG	528.0 U	515.0 U	NA	NA	NA	NA
Hexachlorobutadiene	UG/KG	528.0 U	515.0 U	NA	NA	NA	NA
Hexachlorocyclopentadiene	UG/KG	528.0 U	515.0 U	NA	NA	NA	NA
Hexachloroethane	UG/KG	528.0 U	515.0 U	NA	NA	NA	NA
Indeno[1,2,3-cd]pyrene	UG/KG	528.0 U	515.0 U	NA	NA	NA	NA
Isophorone	UG/KG	528.0 U	515.0 U	NA	NA	NA	NA
Naphthalene	UG/KG	528.0 U	515.0 U	NA	NA	NA	NA
Nitrobenzene	UG/KG	528.0 U	515.0 U	NA	NA	NA	NA
N-Nitroso-di-n-propylamine	UG/KG	528.0 U	515.0 U	NA	NA	NA	NA
N-nitrosodiphenylamine	UG/KG	528.0 U	515.0 U	NA	NA	NA	NA
Pentachlorophenol	UG/KG	1280.0 U	1250.0 U	NA	NA	NA	NA
Phenanthrene	UG/KG	528.0 U	515.0 U	NA	NA	NA	NA
Phenol	UG/KG	528.0 U	515.0 U	NA	NA	NA	NA
Pyrene	UG/KG	528.0 U	515.0 U	NA	NA	NA	NA

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 UNNAMED TRIBUTARY AND TANK CREEK SEDIMENT
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-UN-SD14-06	41-UN-SD14-612	41-UN-SD15	41-UN-SD16	41-UN-SD17	41-UN-SD18
Laboratory Sample ID:	9402053-01	9402053-02	AB7537	AB7534	AB7531	AB7528
Date Sampled:	02/03/94	02/03/94	08/23/94	08/23/94	08/23/94	08/23/94
Percent Solids	62.7	63.6	65.4	85.5	81.7	68.8
<u>VOLATILES</u>						
Chloromethane	UG/KG	15.9 U	15.6 U	NA	NA	NA
Bromomethane	UG/KG	15.9 U	15.6 U	NA	NA	NA
Vinyl chloride	UG/KG	15.9 U	15.6 U	NA	NA	NA
Chloroethane	UG/KG	15.9 U	15.6 U	NA	NA	NA
Methylene chloride	UG/KG	25.0 U	16.0 U	NA	NA	NA
Acetone	UG/KG	61.0 U	29.0 UJ	NA	NA	NA
Carbon Disulfide	UG/KG	15.9 U	15.6 U	NA	NA	NA
1,1-Dichloroethene	UG/KG	15.9 U	15.6 U	NA	NA	NA
1,1-Dichloroethane	UG/KG	15.9 U	15.6 U	NA	NA	NA
1,2-Dichloroethene(total)	UG/KG	15.9 U	15.6 U	NA	NA	NA
Chloroform	UG/KG	15.9 U	15.6 U	NA	NA	NA
1,2-Dichloroethane	UG/KG	15.9 U	15.6 U	NA	NA	NA
2-Butanone	UG/KG	15.9 U	15.6 U	NA	NA	NA
1,1,1-Trichloroethane	UG/KG	15.9 U	15.6 U	NA	NA	NA
Carbon tetrachloride	UG/KG	15.9 U	15.6 U	NA	NA	NA
Bromodichloromethane	UG/KG	15.9 U	15.6 U	NA	NA	NA
1,2-Dichloropropane	UG/KG	15.9 U	15.6 U	NA	NA	NA
cis-1,3-Dichloropropene	UG/KG	15.9 U	15.6 U	NA	NA	NA
Trichloroethene	UG/KG	15.9 U	2.00 J	NA	NA	NA
Dibromochloromethane	UG/KG	15.9 U	15.6 U	NA	NA	NA
1,1,2-Trichloroethane	UG/KG	15.9 U	15.6 U	NA	NA	NA
Benzene	UG/KG	15.9 U	15.6 U	NA	NA	NA
trans-1,3-Dichloropropene	UG/KG	15.9 U	15.6 U	NA	NA	NA
Bromoform	UG/KG	15.9 U	15.6 U	NA	NA	NA
4-Methyl-2-pentanone	UG/KG	15.9 U	15.6 U	NA	NA	NA
2-Hexanone	UG/KG	15.9 U	15.6 U	NA	NA	NA
Tetrachloroethene	UG/KG	15.9 U	15.6 U	NA	NA	NA
1,1,2,2-Tetrachloroethane	UG/KG	15.9 U	15.6 U	NA	NA	NA
Toluene	UG/KG	15.9 U	15.6 U	NA	NA	NA
Chlorobenzene	UG/KG	15.9 U	15.6 U	NA	NA	NA
Ethylbenzene	UG/KG	15.9 U	15.6 U	NA	NA	NA
Styrene	UG/KG	15.9 U	15.6 U	NA	NA	NA
Xylenes (total)	UG/KG	15.9 U	15.6 U	NA	NA	NA

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 UNNAMED TRIBUTARY AND TANK CREEK SEDIMENT
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-UN-SD14-06	41-UN-SD14-612	41-UN-SD15	41-UN-SD16	41-UN-SD17	41-UN-SD18	
Laboratory Sample ID:	9402053-01	9402053-02	AB7537	AB7534	AB7531	AB7528	
Date Sampled:	02/03/94	02/03/94	08/23/94	08/23/94	08/23/94	08/23/94	
Percent Solids	62.7	63.6	65.4	65.5	81.7	68.8	
PESTICIDE/PCBS							
alpha-BHC	UG/KG	2.70 UJ	2.66 UJ	2.5 U	1.9 U	2.1 U	2.4 U
beta-BHC	UG/KG	2.70 UJ	2.66 UJ	2.5 U	1.9 U	2.1 U	2.4 U
delta-BHC	UG/KG	2.70 UJ	2.66 UJ	2.5 U	1.9 U	2.1 U	2.4 U
Lindane (gamma-BHC)	UG/KG	2.70 U	2.66 U	2.5 U	1.9 U	2.1 U	2.4 U
Heptachlor	UG/KG	2.70 U	2.66 U	2.5 U	1.9 U	2.1 U	2.4 U
Aldrin	UG/KG	2.70 U	2.66 U	2.5 U	1.9 U	2.1 U	2.4 U
Heptachlor epoxide	UG/KG	2.70 U	2.66 U	2.5 U	1.9 U	2.1 U	2.4 U
Endosulfan I	UG/KG	2.70 U	2.66 U	2.5 U	1.9 U	2.1 U	2.4 U
Dieldrin	UG/KG	2.07 NJ	1.57 NJ	4.9 U	3.8 U	4 U	4.7 U
4,4'-DDE	UG/KG	4.04 J	2.91 NJ	4.9 U	3.8 U	4 U	4.7 U
Endrin	UG/KG	5.24 U	5.16 U	4.9 U	3.8 U	4 U	4.7 U
Endosulfan II	UG/KG	8.22 J	3.57 J	4.9 U	3.8 U	4 U	4.7 U
4,4'-DDD	UG/KG	5.90 J	6.68 J	4.9 U	3.8 U	4 U	4.7 U
Endosulfan sulfate	UG/KG	5.24 U	5.16 U	4.9 U	3.8 U	4 U	4.7 U
4,4'-DDT	UG/KG	2.29 J	1.58 NJ	4.9 U	3.8 U	4 U	4.7 U
Methoxychlor	UG/KG	27.0 UJ	2.22 NJ	25 U	19 U	21 U	24 U
Endrin ketone	UG/KG	5.24 U	5.16 U	4.9 U	3.8 U	4 U	4.7 U
Endrin aldehyde	UG/KG	5.24 U	5.16 U	4.9 U	3.8 U	4 U	4.7 U
alpha-Chlordane	UG/KG	1.39 NJ	0.980 J	2.5 U	1.9 U	2.1 U	2.4 U
gamma-Chlordane	UG/KG	1.00 NJ	2.66 U	2.5 U	1.9 U	2.1 U	2.4 U
Toxaphene	UG/KG	270.0 U	266.0 U	250 U	190 U	210 U	240 U
Aroclor 1016	UG/KG	52.4 U	51.6 U	49 U	38 U	40 U	47 U
Aroclor 1221	UG/KG	106.0 U	105.0 U	100 U	77 U	81 U	95 U
Aroclor 1232	UG/KG	52.4 U	51.6 U	49 U	38 U	40 U	47 U
Aroclor 1242	UG/KG	52.4 U	51.6 U	49 U	38 U	40 U	47 U
Aroclor 1248	UG/KG	52.4 U	51.6 U	49 U	38 U	40 U	47 U
Aroclor 1254	UG/KG	52.4 U	51.6 U	49 U	38 U	40 U	47 U
Aroclor 1260	UG/KG	52.4 U	51.6 U	49 U	38 U	40 U	47 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 UNNAMED TRIBUTARY AND TANK CREEK SEDIMENT
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-UN-SD14-06	41-UN-SD14-612	41-UN-SD15	41-UN-SD16	41-UN-SD17	41-UN-SD18
Laboratory Sample ID:	9402053-01	9402053-02	AB7537	AB7534	AB7531	AB7528
Date Sampled:	02/03/94	02/03/94	08/23/94	08/23/94	08/23/94	08/23/94
Percent Solids	62.7	63.6	65.4	85.5	81.7	68.8
ORDNANCE						
1,3,5-Trinitrobenzene	UG/KG	1390.0	40.2 U	NA	NA	NA
1,3-Dinitrobenzene	UG/KG	37.2 U	37.2 U	NA	NA	NA
2,4,6-Trinitrotoluene	UG/KG	35.6 U	35.6 U	NA	NA	NA
2,4-Dinitrotoluene	UG/KG	51.6 U	51.6 U	NA	NA	NA
2,6-Dinitrotoluene	UG/KG	47.6 U	47.6 U	NA	NA	NA
2-Amino-4,6-dinitrotoluene	UG/KG	46.7 U	46.7 U	NA	NA	NA
2-Nitrotoluene	UG/KG	81.4 U	81.4 U	NA	NA	NA
3-Nitrotoluene	UG/KG	81.7 U	81.7 U	NA	NA	NA
4-Amino-2,6-dinitrotoluene	UG/KG	40.8 U	40.8 U	NA	NA	NA
4-Nitrotoluene	UG/KG	87.2 U	87.2 U	NA	NA	NA
HMX	UG/KG	70.5 U	70.5 U	NA	NA	NA
Nitrobenzene	UG/KG	35.2 U	35.2 U	NA	NA	NA
RDX	UG/KG	50.9 U	50.9 U	NA	NA	NA
Tetryl	UG/KG	163.0 U	163.0 U	NA	NA	NA
MIREX						
Mirex	UG/KG	NA	NA	NA	NA	NA

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 UNNAMED TRIBUTARY AND TANK CREEK SEDIMENT
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-UN-SD19	41-UN-SD20	41-UN-SD21	41-UN-SD22	41-UN-SD23	41-UN-SD24
Laboratory Sample ID:	AB7525	AB7522	AB7519	AB7516	AB7513	AB7510
Date Sampled:	08/23/94	08/23/94	08/23/94	08/23/94	08/23/94	08/23/94
Percent Solids	81.4	82	80	55	42.4	69.2
SEMIVOLATILES						
1,2-Dichlorobenzene	UG/KG	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	UG/KG	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	UG/KG	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	UG/KG	NA	NA	NA	NA	NA
2-Chloronaphthalene	UG/KG	NA	NA	NA	NA	NA
2-Chlorophenol	UG/KG	NA	NA	NA	NA	NA
2-Methylnaphthalene	UG/KG	NA	NA	NA	NA	NA
2-Methylphenol	UG/KG	NA	NA	NA	NA	NA
2-Nitroaniline	UG/KG	NA	NA	NA	NA	NA
2-Nitrophenol	UG/KG	NA	NA	NA	NA	NA
2,2-oxybis-(1-chloropropane)	UG/KG	NA	NA	NA	NA	NA
2,4-Dichlorophenol	UG/KG	NA	NA	NA	NA	NA
2,4-Dimethylphenol	UG/KG	NA	NA	NA	NA	NA
2,4-Dinitrophenol	UG/KG	NA	NA	NA	NA	NA
2,4-Dinitrotoluene	UG/KG	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	UG/KG	NA	NA	NA	NA	NA
2,4,6-Trichlorophenol	UG/KG	NA	NA	NA	NA	NA
2,6-Dinitrotoluene	UG/KG	NA	NA	NA	NA	NA
3-Nitroaniline	UG/KG	NA	NA	NA	NA	NA
3,3'-Dichlorobenzidine	UG/KG	NA	NA	NA	NA	NA
4-Bromophenyl-phenylether	UG/KG	NA	NA	NA	NA	NA
4-Chloro-3-methylphenol	UG/KG	NA	NA	NA	NA	NA
4-Chloroaniline	UG/KG	NA	NA	NA	NA	NA
4-Chlorophenyl phenyl ether	UG/KG	NA	NA	NA	NA	NA
4-Methylphenol	UG/KG	NA	NA	NA	NA	NA
4-Nitroaniline	UG/KG	NA	NA	NA	NA	NA
4-Nitrophenol	UG/KG	NA	NA	NA	NA	NA
4,6-Dinitro-2-methylphenol	UG/KG	NA	NA	NA	NA	NA
Acenaphthene	UG/KG	NA	NA	NA	NA	NA
Acenaphthylene	UG/KG	NA	NA	NA	NA	NA
Anthracene	UG/KG	NA	NA	NA	NA	NA
Benzo[a]anthracene	UG/KG	NA	NA	NA	NA	NA
Benzo[a]pyrene	UG/KG	NA	NA	NA	NA	NA

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 UNNAMED TRIBUTARY AND TANK CREEK SEDIMENT
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-UN-SD19	41-UN-SD20	41-UN-SD21	41-UN-SD22	41-UN-SD23	41-UN-SD24
Laboratory Sample ID:	AB7525	AB7522	AB7519	AB7516	AB7513	AB7510
Date Sampled:	08/23/94	08/23/94	08/23/94	08/23/94	08/23/94	08/23/94
Percent Solids	81.4	82	80	55	42.4	69.2

SEMIVOLATILES Cont.

Benzo[b]fluoranthene	UG/KG	NA	NA	NA	NA	NA	NA
Benzo[g,h,i]perylene	UG/KG	NA	NA	NA	NA	NA	NA
Benzo[k]fluoranthene	UG/KG	NA	NA	NA	NA	NA	NA
bis(2-Chloroethoxy) methane	UG/KG	NA	NA	NA	NA	NA	NA
bis(2-Chloroethyl) ether	UG/KG	NA	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	UG/KG	NA	NA	NA	NA	NA	NA
Butyl benzyl phthalate	UG/KG	NA	NA	NA	NA	NA	NA
Carbazole	UG/KG	NA	NA	NA	NA	NA	NA
Chrysene	UG/KG	NA	NA	NA	NA	NA	NA
Dibenzofuran	UG/KG	NA	NA	NA	NA	NA	NA
Dibenz[a,h]anthracene	UG/KG	NA	NA	NA	NA	NA	NA
Diethylphthalate	UG/KG	NA	NA	NA	NA	NA	NA
Dimethyl phthalate	UG/KG	NA	NA	NA	NA	NA	NA
di-n-Butylphthalate	UG/KG	NA	NA	NA	NA	NA	NA
di-n-Octylphthalate	UG/KG	NA	NA	NA	NA	NA	NA
Fluoranthene	UG/KG	NA	NA	NA	NA	NA	NA
Fluorene	UG/KG	NA	NA	NA	NA	NA	NA
Hexachlorobenzene	UG/KG	NA	NA	NA	NA	NA	NA
Hexachlorobutadiene	UG/KG	NA	NA	NA	NA	NA	NA
Hexachlorocyclopentadiene	UG/KG	NA	NA	NA	NA	NA	NA
Hexachloroethane	UG/KG	NA	NA	NA	NA	NA	NA
Indeno[1,2,3-cd]pyrene	UG/KG	NA	NA	NA	NA	NA	NA
Isophorone	UG/KG	NA	NA	NA	NA	NA	NA
Naphthalene	UG/KG	NA	NA	NA	NA	NA	NA
Nitrobenzene	UG/KG	NA	NA	NA	NA	NA	NA
N-Nitroso-di-n-propylamine	UG/KG	NA	NA	NA	NA	NA	NA
N-nitrosodiphenylamine	UG/KG	NA	NA	NA	NA	NA	NA
Pentachlorophenol	UG/KG	NA	NA	NA	NA	NA	NA
Phenanthrene	UG/KG	NA	NA	NA	NA	NA	NA
Phenol	UG/KG	NA	NA	NA	NA	NA	NA
Pyrene	UG/KG	NA	NA	NA	NA	NA	NA

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 UNNAMED TRIBUTARY AND TANK CREEK SEDIMENT
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-UN-SD19	41-UN-SD20	41-UN-SD21	41-UN-SD22	41-UN-SD23	41-UN-SD24
Laboratory Sample ID:	AB7525	AB7522	AB7519	AB7516	AB7513	AB7510
Date Sampled:	08/23/94	08/23/94	08/23/94	08/23/94	08/23/94	08/23/94
Percent Solids	81.4	82	80	55	42.4	69.2
<u>VOLATILES</u>						
Chloromethane	UG/KG	NA	NA	NA	NA	NA
Bromomethane	UG/KG	NA	NA	NA	NA	NA
Vinyl chloride	UG/KG	NA	NA	NA	NA	NA
Chloroethane	UG/KG	NA	NA	NA	NA	NA
Methylene chloride	UG/KG	NA	NA	NA	NA	NA
Acetone	UG/KG	NA	NA	NA	NA	NA
Carbon Disulfide	UG/KG	NA	NA	NA	NA	NA
1,1-Dichloroethene	UG/KG	NA	NA	NA	NA	NA
1,1-Dichloroethane	UG/KG	NA	NA	NA	NA	NA
1,2-Dichloroethene(total)	UG/KG	NA	NA	NA	NA	NA
Chloroform	UG/KG	NA	NA	NA	NA	NA
1,2-Dichloroethane	UG/KG	NA	NA	NA	NA	NA
2-Butanone	UG/KG	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	UG/KG	NA	NA	NA	NA	NA
Carbon tetrachloride	UG/KG	NA	NA	NA	NA	NA
Bromodichloromethane	UG/KG	NA	NA	NA	NA	NA
1,2-Dichloropropane	UG/KG	NA	NA	NA	NA	NA
cis-1,3-Dichloropropene	UG/KG	NA	NA	NA	NA	NA
Trichloroethene	UG/KG	NA	NA	NA	NA	NA
Dibromochloromethane	UG/KG	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	UG/KG	NA	NA	NA	NA	NA
Benzene	UG/KG	NA	NA	NA	NA	NA
trans-1,3-Dichloropropene	UG/KG	NA	NA	NA	NA	NA
Bromoform	UG/KG	NA	NA	NA	NA	NA
4-Methyl-2-pentanone	UG/KG	NA	NA	NA	NA	NA
2-Hexanone	UG/KG	NA	NA	NA	NA	NA
Tetrachloroethene	UG/KG	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	UG/KG	NA	NA	NA	NA	NA
Toluene	UG/KG	NA	NA	NA	NA	NA
Chlorobenzene	UG/KG	NA	NA	NA	NA	NA
Ethylbenzene	UG/KG	NA	NA	NA	NA	NA
Styrene	UG/KG	NA	NA	NA	NA	NA
Xylenes (total)	UG/KG	NA	NA	NA	NA	NA

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 UNNAMED TRIBUTARY AND TANK CREEK SEDIMENT
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-UN-SD19	41-UN-SD20	41-UN-SD21	41-UN-SD22	41-UN-SD23	41-UN-SD24	
Laboratory Sample ID:	AB7525	AB7522	AB7519	AB7516	AB7513	AB7510	
Date Sampled:	08/23/94	08/23/94	08/23/94	08/23/94	08/23/94	08/23/94	
Percent Solids	81.4	82	80	55	42.4	69.2	
<u>PESTICIDE/PCBS</u>							
alpha-BHC	UG/KG	2.1 U	2.1 U	2.1 U	3 U	4 U	2.4 U
beta-BHC	UG/KG	2.1 U	2.1 U	2.1 U	3 U	4 U	2.4 U
delta-BHC	UG/KG	2.1 U	2.1 U	2.1 U	3 U	4 U	2.4 U
Lindane (gamma-BHC)	UG/KG	2.1 U	2.1 U	2.1 U	3 U	4 U	2.4 U
Heptachlor	UG/KG	2.1 U	2.1 U	2.1 U	3 U	4 U	2.4 U
Aldrin	UG/KG	2.1 U	2.1 U	2.1 U	3 U	4 U	2.4 U
Heptachlor epoxide	UG/KG	2.1 U	2.1 U	2.1 U	3 U	4 U	2.4 U
Endosulfan I	UG/KG	2.1 U	2.1 U	2.1 U	3 U	4 U	2.4 U
Dieldrin	UG/KG	4.1 U	4 U	4.1 U	5.8 U	7.7 U	4.7 U
4,4'-DDE	UG/KG	4.1 U	18	4.1 U	5.8 U	7.7 U	4.7 U
Endrin	UG/KG	4.1 U	4 U	4.1 U	5.8 U	7.7 U	4.7 U
Endosulfan II	UG/KG	4.1 U	4 U	4.1 U	5.8 U	7.7 U	4.7 U
4,4'-DDD	UG/KG	4.1 U	27	4.1 U	5.8 U	17	4.7 U
Endosulfan sulfate	UG/KG	4.1 U	4 U	4.1 U	5.8 U	7.7 U	4.7 U
4,4'-DDT	UG/KG	4.1 U	210	4.1 U	5.8 U	7.7 U	4.7 U
Methoxychlor	UG/KG	21 U	21 U	21 U	30 U	40 U	24 U
Endrin ketone	UG/KG	4.1 U	4 U	4.1 U	5.8 U	7.7 U	4.7 U
Endrin aldehyde	UG/KG	4.1 U	4 U	4.1 U	5.8 U	7.7 U	4.7 U
alpha-Chlordane	UG/KG	2.1 U	2.1 U	2.1 U	3 U	4 U	2.4 U
gamma-Chlordane	UG/KG	2.1 U	2.1 U	2.1 U	3 U	4 U	2.4 U
Toxaphene	UG/KG	210 U	210 U	210 U	300 U	400 U	240 U
Aroclor 1016	UG/KG	41 U	40 U	41 U	58 U	77 U	47 U
Aroclor 1221	UG/KG	83 U	81 U	83 U	120 U	160 U	96 U
Aroclor 1232	UG/KG	41 U	40 U	41 U	58 U	77 U	47 U
Aroclor 1242	UG/KG	41 U	40 U	41 U	58 U	77 U	47 U
Aroclor 1248	UG/KG	41 U	40 U	41 U	58 U	77 U	47 U
Aroclor 1254	UG/KG	41 U	40 U	41 U	58 U	77 U	47 U
Aroclor 1260	UG/KG	41 U	40 U	41 U	58 U	77 U	47 U

FREQUENCY OF DETECTION SUMMARY
OPERABLE UNIT NO. 4 (SITE 41)
UNNAMED TRIBUTARY AND TANK CREEK SEDIMENT
MCB CAMP LEJEUNE, NORTH CAROLINA
REMEDIAL INVESTIGATION - CTO-0212
ORGANICS

Client Sample ID:	41-UN-SD19	41-UN-SD20	41-UN-SD21	41-UN-SD22	41-UN-SD23	41-UN-SD24
Laboratory Sample ID:	AB7525	AB7522	AB7519	AB7516	AB7513	AB7510
Date Sampled:	08/23/94	08/23/94	08/23/94	08/23/94	08/23/94	08/23/94
Percent Solids	81.4	82	80	55	42.4	69.2
ORDNANCE						
1,3,5-Trinitrobenzene	UG/KG	NA	NA	NA	NA	NA
1,3-Dinitrobenzene	UG/KG	NA	NA	NA	NA	NA
2,4,6-Trinitrotoluene	UG/KG	NA	NA	NA	NA	NA
2,4-Dinitrotoluene	UG/KG	NA	NA	NA	NA	NA
2,6-Dinitrotoluene	UG/KG	NA	NA	NA	NA	NA
2-Amino-4,6-dinitrotoluene	UG/KG	NA	NA	NA	NA	NA
2-Nitrotoluene	UG/KG	NA	NA	NA	NA	NA
3-Nitrotoluene	UG/KG	NA	NA	NA	NA	NA
4-Amino-2,6-dinitrotoluene	UG/KG	NA	NA	NA	NA	NA
4-Nitrotoluene	UG/KG	NA	NA	NA	NA	NA
HMX	UG/KG	NA	NA	NA	NA	NA
Nitrobenzene	UG/KG	NA	NA	NA	NA	NA
RDX	UG/KG	NA	NA	NA	NA	NA
Tetryl	UG/KG	NA	NA	NA	NA	NA
MIREX						
Mirex	UG/KG	NA	NA	NA	NA	NA

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 UNNAMED TRIBUTARY AND TANK CREEK SEDIMENT
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-UN-SD25	41-UN-SD26	41-UN-SD27	41-UN-SD28	41-TC-SD06-06	41-TC-SD06-612
Laboratory Sample ID:	AB7507	AB7504	AB7501	AB7498	9402082-05A	9402082-06A
Date Sampled:	08/23/94	08/23/94	08/23/94	08/23/94	02/06/94	02/06/94
Percent Solids	19.7	80.6	80.2	74.8	65.0	70.2
SEMIVOLATILES						
1,2-Dichlorobenzene	UG/KG	NA	NA	NA	508.0 U	471.0 U
1,2,4-Trichlorobenzene	UG/KG	NA	NA	NA	508.0 U	471.0 U
1,3-Dichlorobenzene	UG/KG	NA	NA	NA	508.0 U	471.0 U
1,4-Dichlorobenzene	UG/KG	NA	NA	NA	508.0 U	471.0 U
2-Chloronaphthalene	UG/KG	NA	NA	NA	508.0 U	471.0 U
2-Chlorophenol	UG/KG	NA	NA	NA	508.0 U	471.0 U
2-Methylnaphthalene	UG/KG	NA	NA	NA	508.0 U	471.0 U
2-Methylphenol	UG/KG	NA	NA	NA	508.0 U	471.0 U
2-Nitroaniline	UG/KG	NA	NA	NA	1230.0 U	1140.0 U
2-Nitrophenol	UG/KG	NA	NA	NA	508.0 U	471.0 U
2,2'-oxybis-(1-chloropropane)	UG/KG	NA	NA	NA	508.0 U	471.0 U
2,4-Dichlorophenol	UG/KG	NA	NA	NA	508.0 U	471.0 U
2,4-Dimethylphenol	UG/KG	NA	NA	NA	508.0 U	471.0 U
2,4-Dinitrophenol	UG/KG	NA	NA	NA	1230.0 U	1140.0 U
2,4-Dinitrotoluene	UG/KG	NA	NA	NA	508.0 U	471.0 U
2,4,5-Trichlorophenol	UG/KG	NA	NA	NA	1230.0 U	1140.0 U
2,4,6-Trichlorophenol	UG/KG	NA	NA	NA	508.0 U	471.0 U
2,6-Dinitrotoluene	UG/KG	NA	NA	NA	508.0 U	471.0 U
3-Nitroaniline	UG/KG	NA	NA	NA	1230.0 U	1140.0 U
3,3'-Dichlorobenzidine	UG/KG	NA	NA	NA	508.0 U	471.0 U
4-Bromophenyl-phenylether	UG/KG	NA	NA	NA	508.0 U	471.0 U
4-Chloro-3-methylphenol	UG/KG	NA	NA	NA	508.0 U	471.0 U
4-Chloroaniline	UG/KG	NA	NA	NA	508.0 U	471.0 U
4-Chlorophenyl phenyl ether	UG/KG	NA	NA	NA	508.0 U	471.0 U
4-Methylphenol	UG/KG	NA	NA	NA	508.0 U	471.0 U
4-Nitroaniline	UG/KG	NA	NA	NA	1230.0 U	1140.0 U
4-Nitrophenol	UG/KG	NA	NA	NA	1230.0 U	1140.0 U
4,6-Dinitro-2-methylphenol	UG/KG	NA	NA	NA	1230.0 U	1140.0 U
Acenaphthene	UG/KG	NA	NA	NA	508.0 U	471.0 U
Acenaphthylene	UG/KG	NA	NA	NA	508.0 U	471.0 U
Anthracene	UG/KG	NA	NA	NA	508.0 U	471.0 U
Benzo[a]anthracene	UG/KG	NA	NA	NA	508.0 U	471.0 U
Benzo[a]pyrene	UG/KG	NA	NA	NA	57.0 J	471.0 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 UNNAMED TRIBUTARY AND TANK CREEK SEDIMENT
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-UN-SD25	41-UN-SD26	41-UN-SD27	41-UN-SD28	41-TC-SD06-06	41-TC-SD06-612
Laboratory Sample ID:	AB7507	AB7504	AB7501	AB7498	9402082-05A	9402082-06A
Date Sampled:	08/23/94	08/23/94	08/23/94	08/23/94	02/06/94	02/06/94
Percent Solids	19.7	80.6	80.2	74.8	65.0	70.2

SEMIVOLATILES Cont.

Compound	UG/KG	NA	NA	NA	NA	69.0 J	471.0 U
Benzo[b]fluoranthene	UG/KG	NA	NA	NA	NA	69.0 J	471.0 U
Benzo[g,h,i]perylene	UG/KG	NA	NA	NA	NA	508.0 U	471.0 U
Benzo[k]fluoranthene	UG/KG	NA	NA	NA	NA	58.0 J	471.0 U
bis(2-Chloroethoxy) methane	UG/KG	NA	NA	NA	NA	508.0 U	471.0 U
bis(2-Chloroethyl) ether	UG/KG	NA	NA	NA	NA	508.0 U	471.0 U
bis(2-Ethylhexyl)phthalate	UG/KG	NA	NA	NA	NA	508.0 U	471.0 U
Butyl benzyl phthalate	UG/KG	NA	NA	NA	NA	508.0 U	471.0 U
Carbazole	UG/KG	NA	NA	NA	NA	508.0 U	471.0 U
Chrysene	UG/KG	NA	NA	NA	NA	508.0 U	471.0 U
Dibenzofuran	UG/KG	NA	NA	NA	NA	508.0 U	471.0 U
Dibenz[a,h]anthracene	UG/KG	NA	NA	NA	NA	508.0 U	471.0 U
Diethylphthalate	UG/KG	NA	NA	NA	NA	508.0 U	471.0 U
Dimethyl phthalate	UG/KG	NA	NA	NA	NA	508.0 U	471.0 U
di-n-Butylphthalate	UG/KG	NA	NA	NA	NA	508.0 U	471.0 U
di-n-Octylphthalate	UG/KG	NA	NA	NA	NA	508.0 U	471.0 U
Fluoranthene	UG/KG	NA	NA	NA	NA	100.0 J	471.0 U
Fluorene	UG/KG	NA	NA	NA	NA	508.0 U	471.0 U
Hexachlorobenzene	UG/KG	NA	NA	NA	NA	508.0 U	471.0 U
Hexachlorobutadiene	UG/KG	NA	NA	NA	NA	508.0 U	471.0 U
Hexachlorocyclopentadiene	UG/KG	NA	NA	NA	NA	508.0 U	471.0 U
Hexachloroethane	UG/KG	NA	NA	NA	NA	508.0 U	471.0 U
Indeno[1,2,3-cd]pyrene	UG/KG	NA	NA	NA	NA	508.0 U	471.0 U
Isophorone	UG/KG	NA	NA	NA	NA	508.0 U	471.0 U
Naphthalene	UG/KG	NA	NA	NA	NA	508.0 U	471.0 U
Nitrobenzene	UG/KG	NA	NA	NA	NA	508.0 U	471.0 U
N-Nitroso-di-n-propylamine	UG/KG	NA	NA	NA	NA	508.0 U	471.0 U
N-nitrosodiphenylamine	UG/KG	NA	NA	NA	NA	508.0 U	471.0 U
Pentachlorophenol	UG/KG	NA	NA	NA	NA	1230.0 U	1140.0 U
Phenanthrene	UG/KG	NA	NA	NA	NA	508.0 U	471.0 U
Phenol	UG/KG	NA	NA	NA	NA	508.0 U	471.0 U
Pyrene	UG/KG	NA	NA	NA	NA	100.0 J	471.0 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 UNNAMED TRIBUTARY AND TANK CREEK SEDIMENT
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-UN-SD25	41-UN-SD26	41-UN-SD27	41-UN-SD28	41-TC-SD06-06	41-TC-SD06-612
Laboratory Sample ID:	AB7507	AB7504	AB7501	AB7498	9402082-05A	9402082-06A
Date Sampled:	08/23/94	08/23/94	08/23/94	08/23/94	02/06/94	02/06/94
Percent Solids	19.7	80.6	80.2	74.8	65.0	70.2
VOLATILES						
Chloromethane	784X G UG/K	NA	NA	NA	NA	15.0 U
Bromomethane	G UG/K	NA	NA	NA	NA	15.0 U
Vinyl chloride	G UG/K	NA	NA	NA	NA	15.0 U
Chloroethane	G UG/K	NA	NA	NA	NA	15.0 U
Methylene chloride	G UG/K	NA	NA	NA	NA	15.0 U
Acetone	G UG/K	NA	NA	NA	NA	51.0
Carbon Disulfide	G UG/K	NA	NA	NA	NA	15.0 U
1,1-Dichloroethene	G UG/K	NA	NA	NA	NA	15.0 U
1,1-Dichloroethane	G UG/K	NA	NA	NA	NA	15.0 U
1,2-Dichloroethene(total)	G UG/K	NA	NA	NA	NA	15.0 U
Chloroform	G UG/K	NA	NA	NA	NA	15.0 U
1,2-Dichloroethane	G UG/K	NA	NA	NA	NA	15.0 U
2-Butanone	G UG/K	NA	NA	NA	NA	15.0 U
1,1,1-Trichloroethane	G UG/K	NA	NA	NA	NA	15.0 U
Carbon tetrachloride	G UG/K	NA	NA	NA	NA	15.0 U
Bromodichloromethane	G UG/K	NA	NA	NA	NA	15.0 U
1,2-Dichloropropane	G UG/K	NA	NA	NA	NA	15.0 U
cis-1,3-Dichloropropene	G UG/K	NA	NA	NA	NA	15.0 U
Trichloroethene	G UG/K	NA	NA	NA	NA	15.0 U
Dibromochloromethane	G UG/K	NA	NA	NA	NA	15.0 U
1,1,2-Trichloroethane	G UG/K	NA	NA	NA	NA	15.0 U
Benzene	G UG/K	NA	NA	NA	NA	15.0 U
trans-1,3-Dichloropropene	G UG/K	NA	NA	NA	NA	15.0 U
Bromoform	G UG/K	NA	NA	NA	NA	15.0 U
4-Methyl-2-pentanone	G UG/K	NA	NA	NA	NA	15.0 U
2-Hexanone	G UG/K	NA	NA	NA	NA	15.0 U
Tetrachloroethene	G UG/K	NA	NA	NA	NA	15.0 U
1,1,2,2-Tetrachloroethane	G UG/K	NA	NA	NA	NA	15.0 U
Toluene	G UG/K	NA	NA	NA	NA	2.00 J
Chlorobenzene	G UG/K	NA	NA	NA	NA	15.0 U
Ethylbenzene	G UG/K	NA	NA	NA	NA	15.0 U
Styrene	G UG/K	NA	NA	NA	NA	15.0 U
Xylenes (total)	G UG/K	NA	NA	NA	NA	15.0 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 UNNAMED TRIBUTARY AND TANK CREEK SEDIMENT
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-UN-SD25	41-UN-SD26	41-UN-SD27	41-UN-SD28	41-TC-SD06-06	41-TC-SD06-612	
Laboratory Sample ID:	AB7507	AB7504	AB7501	AB7498	9402082-05A	9402082-06A	
Date Sampled:	08/23/94	08/23/94	08/23/94	08/23/94	02/06/94	02/06/94	
Percent Solids	19.7	80.6	80.2	74.8	65.0	70.2	
PESTICIDE/PCBS							
alpha-BHC	UG/KG	8.4 U	2 U	2.1 U	2.2 U	2.62 UJ	2.43 UJ
beta-BHC	UG/KG	8.4 U	2 U	2.1 U	2.2 U	2.62 UJ	2.43 UJ
delta-BHC	UG/KG	8.4 U	2 U	2.1 U	2.2 U	2.62 UJ	2.43 UJ
Lindane (gamma-BHC)	UG/KG	8.4 U	2 U	2.1 U	2.2 U	2.62 UJ	2.43 UJ
Heptachlor	UG/KG	8.4 U	2 U	2.1 U	2.2 U	2.62 UJ	2.43 UJ
Aldrin	UG/KG	8.4 U	2 U	2.1 U	2.2 U	2.62 UJ	2.43 UJ
Heptachlor epoxide	UG/KG	8.4 U	2 U	2.1 U	2.2 U	2.62 UJ	2.43 UJ
Endosulfan I	UG/KG	8.4 U	2 U	2.1 U	2.2 U	2.62 UJ	2.43 UJ
Dieldrin	UG/KG	16 U	4 U	4.1 U	4.3 U	2.50 J	4.71 UJ
4,4'-DDE	UG/KG	19	4 U	4.1 U	7.8	5.08 U	1.28 NJ
Endrin	UG/KG	16 U	4 U	4.1 U	4.3 U	5.08 UJ	4.71 UJ
Endosulfan II	UG/KG	16 U	4 U	4.1 U	4.3 U	5.08 UJ	4.71 UJ
4,4'-DDD	UG/KG	16 U	4.2	4.1 U	42	1.24 NJ	12.6 J
Endosulfan sulfate	UG/KG	16 U	4 U	4.1 U	4.3 U	5.08 UJ	4.71 UJ
4,4'-DDT	UG/KG	16 U	5.8	4.1 U	4.3 U	2.00 J	34.8 J
Methoxychlor	UG/KG	84 U	20 U	21 U	22 U	26.2 UJ	24.3 UJ
Endrin ketone	UG/KG	16 U	4 U	4.1 U	4.3 U	5.08 UJ	4.71 UJ
Endrin aldehyde	UG/KG	16 U	4 U	4.1 U	4.3 U	5.08 UJ	4.71 UJ
alpha-Chlordane	UG/KG	8.4 U	2 U	2.1 U	2.2 U	2.62 UJ	2.01 J
gamma-Chlordane	UG/KG	8.4 U	2 U	2.1 U	2.2 U	2.62 UJ	0.990 NJ
Toxaphene	UG/KG	840 U	200 U	210 U	220 U	262.0 UJ	243.0 UJ
Aroclor 1016	UG/KG	160 U	40 U	41 U	43 U	50.8 UJ	47.1 UJ
Aroclor 1221	UG/KG	330 U	81 U	83 U	88 U	103.0 UJ	95.7 UJ
Aroclor 1232	UG/KG	160 U	40 U	41 U	43 U	50.8 UJ	47.1 UJ
Aroclor 1242	UG/KG	160 U	40 U	41 U	43 U	50.8 UJ	47.1 UJ
Aroclor 1248	UG/KG	160 U	40 U	41 U	43 U	50.8 UJ	47.1 UJ
Aroclor 1254	UG/KG	160 U	40 U	41 U	43 U	50.8 UJ	47.1 UJ
Aroclor 1260	UG/KG	160 U	40 U	41 U	43 U	50.8 UJ	47.1 UJ

FREQUENCY OF DETECTION SUMMARY
OPERABLE UNIT NO. 4 (SITE 41)
UNNAMED TRIBUTARY AND TANK CREEK SEDIMENT
MCB CAMP LEJEUNE, NORTH CAROLINA
REMEDIAL INVESTIGATION - CTO-0212
ORGANICS

Client Sample ID:	41-UN-SD25	41-UN-SD26	41-UN-SD27	41-UN-SD28	41-TC-SD06-06	41-TC-SD06-612
Laboratory Sample ID:	AB7507	AB7504	AB7501	AB7498	9402082-05A	9402082-06A
Date Sampled:	08/23/94	08/23/94	08/23/94	08/23/94	02/06/94	02/06/94
Percent Solids	19.7	80.6	80.2	74.8	65.0	70.2
ORDNANCE						
1,3,5-Trinitrobenzene	UG/KG	NA	NA	NA	40.2 U	40.2 U
1,3-Dinitrobenzene	UG/KG	NA	NA	NA	37.2 U	37.2 U
2,4,6-Trinitrotoluene	UG/KG	NA	NA	NA	35.6 U	35.6 U
2,4-Dinitrotoluene	UG/KG	NA	NA	NA	51.6 U	51.6 U
2,6-Dinitrotoluene	UG/KG	NA	NA	NA	47.6 U	47.6 U
2-Amino-4,6-dinitrotoluene	UG/KG	NA	NA	NA	46.7 U	46.7 U
2-Nitrotoluene	UG/KG	NA	NA	NA	81.4 U	81.4 U
3-Nitrotoluene	UG/KG	NA	NA	NA	81.7 U	81.7 U
4-Amino-2,6-dinitrotoluene	UG/KG	NA	NA	NA	40.8 U	40.8 U
4-Nitrotoluene	UG/KG	NA	NA	NA	87.2 U	87.2 U
HMX	UG/KG	NA	NA	NA	70.5 U	70.5 U
Nitrobenzene	UG/KG	NA	NA	NA	35.2 U	35.2 U
RDX	UG/KG	NA	NA	NA	50.9 U	50.9 U
Tetryl	UG/KG	NA	NA	NA	163.0 UJ	163.0 UJ
MIREX						
Mirex	UG/KG	NA	NA	NA	2600.0 U	2400.0 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 UNNAMED TRIBUTARY AND TANK CREEK SEDIMENT
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-TC-SD07-06	41-TC-SD07-612	41-TC-SD08-06	41-TC-SD08-612	41-TC-SD09-06	41-TC-SD09-612
Laboratory Sample ID:	9402079-01A	9402079-02A	9402082-01A	9402082-02A	9402082-03A	9402082-04A
Date Sampled:	02/07/94	02/07/94	02/06/94	02/06/94	02/06/94	02/06/94
Percent Solids	76.6	73.9	70.6	58.2	25.2	39.4
SEMIVOLATILES						
1,2-Dichlorobenzene	UG/KG	428.0 U	446.0 U	465.0 U	569.0 U	1320.0 U
1,2,4-Trichlorobenzene	UG/KG	428.0 U	446.0 U	465.0 U	569.0 U	1320.0 U
1,3-Dichlorobenzene	UG/KG	428.0 U	446.0 U	465.0 U	569.0 U	1320.0 U
1,4-Dichlorobenzene	UG/KG	428.0 U	446.0 U	465.0 U	569.0 U	1320.0 U
2-Chloronaphthalene	UG/KG	428.0 U	446.0 U	465.0 U	569.0 U	1320.0 U
2-Chlorophenol	UG/KG	428.0 U	446.0 U	465.0 U	569.0 U	1320.0 U
2-Methylnaphthalene	UG/KG	428.0 U	446.0 U	465.0 U	569.0 U	1320.0 U
2-Methylphenol	UG/KG	428.0 U	446.0 U	465.0 U	569.0 U	1320.0 U
2-Nitroaniline	UG/KG	1040.0 U	1080.0 U	1130.0 U	1380.0 U	3200.0 U
2-Nitrophenol	UG/KG	428.0 U	446.0 U	465.0 U	569.0 U	1320.0 U
2,2'-oxybis-(1-chloropropane)	UG/KG	428.0 U	446.0 U	465.0 U	569.0 U	1320.0 U
2,4-Dichlorophenol	UG/KG	428.0 U	446.0 U	465.0 U	569.0 U	1320.0 U
2,4-Dimethylphenol	UG/KG	428.0 U	446.0 U	465.0 U	569.0 U	1320.0 U
2,4-Dinitrophenol	UG/KG	1040.0 U	1080.0 U	1130.0 U	1380.0 U	3200.0 U
2,4-Dinitrotoluene	UG/KG	428.0 U	446.0 U	465.0 U	569.0 U	1320.0 U
2,4,5-Trichlorophenol	UG/KG	1040.0 U	1080.0 U	1130.0 U	1380.0 U	3200.0 U
2,4,6-Trichlorophenol	UG/KG	428.0 U	446.0 U	465.0 U	569.0 U	1320.0 U
2,6-Dinitrotoluene	UG/KG	428.0 U	446.0 U	465.0 U	569.0 U	1320.0 U
3-Nitroaniline	UG/KG	1040.0 U	1080.0 U	1130.0 U	1380.0 U	3200.0 U
3,3'-Dichlorobenzidine	UG/KG	428.0 U	446.0 U	465.0 U	569.0 U	1320.0 U
4-Bromophenyl-phenylether	UG/KG	428.0 U	446.0 U	465.0 U	569.0 U	1320.0 U
4-Chloro-3-methylphenol	UG/KG	428.0 U	446.0 U	465.0 U	569.0 U	1320.0 U
4-Chloroaniline	UG/KG	428.0 U	446.0 U	465.0 U	569.0 U	1320.0 U
4-Chlorophenyl phenyl ether	UG/KG	428.0 U	446.0 U	465.0 U	569.0 U	1320.0 U
4-Methylphenol	UG/KG	428.0 U	446.0 U	465.0 U	569.0 U	1320.0 U
4-Nitroaniline	UG/KG	1040.0 U	1080.0 U	1130.0 U	1380.0 U	3200.0 U
4-Nitrophenol	UG/KG	1040.0 U	1080.0 U	1130.0 U	1380.0 U	3200.0 U
4,6-Dinitro-2-methylphenol	UG/KG	1040.0 U	1080.0 U	1130.0 U	1380.0 U	3200.0 U
Acenaphthene	UG/KG	428.0 U	446.0 U	465.0 U	569.0 U	1320.0 U
Acenaphthylene	UG/KG	428.0 U	446.0 U	465.0 U	569.0 U	1320.0 U
Anthracene	UG/KG	428.0 U	446.0 U	465.0 U	569.0 U	1320.0 U
Benzo[a]anthracene	UG/KG	428.0 U	446.0 U	465.0 U	569.0 U	1320.0 U
Benzo[a]pyrene	UG/KG	428.0 U	446.0 U	465.0 U	569.0 U	1320.0 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 UNNAMED TRIBUTARY AND TANK CREEK SEDIMENT
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-TC-SD07-06	41-TC-SD07-612	41-TC-SD08-06	41-TC-SD08-612	41-TC-SD09-06	41-TC-SD09-612
Laboratory Sample ID:	9402079-01A	9402079-02A	9402082-01A	9402082-02A	9402082-03A	9402082-04A
Date Sampled:	02/07/94	02/07/94	02/06/94	02/06/94	02/06/94	02/06/94
Percent Solids	76.6	73.9	70.6	58.2	25.2	39.4

SEMIVOLATILES Cont.

Benzo[b]fluoranthene	UG/KG	428.0 U	446.0 U	465.0 U	569.0 U	1320.0 U	846.0 U
Benzo[g,h,i]perylene	UG/KG	428.0 U	446.0 U	465.0 U	569.0 U	1320.0 U	846.0 U
Benzo[k]fluoranthene	UG/KG	428.0 U	446.0 U	465.0 U	569.0 U	1320.0 U	846.0 U
bis(2-Chloroethoxy) methane	UG/KG	428.0 U	446.0 U	465.0 U	569.0 U	1320.0 U	846.0 U
bis(2-Chloroethyl) ether	UG/KG	428.0 U	446.0 U	465.0 U	569.0 U	1320.0 U	846.0 U
bis(2-Ethylhexyl)phthalate	UG/KG	428.0 U	446.0 U	47.0 J	569.0 U	1320.0 U	846.0 U
Butyl benzyl phthalate	UG/KG	428.0 U	446.0 U	465.0 U	569.0 U	1320.0 U	846.0 U
Carbazole	UG/KG	428.0 U	446.0 U	465.0 U	569.0 U	1320.0 U	846.0 U
Chrysene	UG/KG	428.0 U	446.0 U	465.0 U	569.0 U	1320.0 U	846.0 U
Dibenzofuran	UG/KG	428.0 U	446.0 U	465.0 U	569.0 U	1320.0 U	846.0 U
Dibenz[a,h]anthracene	UG/KG	428.0 U	446.0 U	465.0 U	569.0 U	1320.0 U	846.0 U
Diethylphthalate	UG/KG	428.0 U	446.0 U	465.0 U	569.0 U	1320.0 U	846.0 U
Dimethyl phthalate	UG/KG	428.0 U	446.0 U	465.0 U	569.0 U	1320.0 U	846.0 U
dl-n-Butylphthalate	UG/KG	428.0 U	48.0 J	56.0 J	569.0 U	1320.0 U	846.0 U
di-n-Octylphthalate	UG/KG	428.0 U	446.0 U	465.0 U	569.0 U	1320.0 U	846.0 U
Fluoranthene	UG/KG	428.0 U	446.0 U	465.0 U	569.0 U	1320.0 U	846.0 U
Fluorene	UG/KG	428.0 U	446.0 U	465.0 U	569.0 U	1320.0 U	846.0 U
Hexachlorobenzene	UG/KG	428.0 U	446.0 U	465.0 U	569.0 U	1320.0 U	846.0 U
Hexachlorobutadiene	UG/KG	428.0 U	446.0 U	465.0 U	569.0 U	1320.0 U	846.0 U
Hexachlorocyclopentadiene	UG/KG	428.0 U	446.0 U	465.0 U	569.0 U	1320.0 U	846.0 U
Hexachloroethane	UG/KG	428.0 U	446.0 U	465.0 U	569.0 U	1320.0 U	846.0 U
Indeno[1,2,3-cd]pyrene	UG/KG	428.0 U	446.0 U	465.0 U	569.0 U	1320.0 U	846.0 U
Isophorone	UG/KG	428.0 U	446.0 U	465.0 U	569.0 U	1320.0 U	846.0 U
Naphthalene	UG/KG	428.0 U	446.0 U	465.0 U	569.0 U	1320.0 U	846.0 U
Nitrobenzene	UG/KG	428.0 U	446.0 U	465.0 U	569.0 U	1320.0 U	846.0 U
N-Nitroso-dl-n-propylamine	UG/KG	428.0 U	446.0 U	465.0 U	569.0 U	1320.0 U	846.0 U
N-nitrosodiphenylamine	UG/KG	428.0 U	446.0 U	465.0 U	569.0 U	1320.0 U	846.0 U
Pentachlorophenol	UG/KG	1040.0 U	1080.0 U	1130.0 U	1380.0 U	3200.0 U	2050.0 U
Phenanthrene	UG/KG	428.0 U	446.0 U	465.0 U	569.0 U	1320.0 U	846.0 U
Phenol	UG/KG	428.0 U	446.0 U	465.0 U	569.0 U	1320.0 U	846.0 U
Pyrene	UG/KG	428.0 U	446.0 U	465.0 U	569.0 U	1320.0 U	846.0 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 UNNAMED TRIBUTARY AND TANK CREEK SEDIMENT
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-TC-SD07-06	41-TC-SD07-612	41-TC-SD08-06	41-TC-SD08-612	41-TC-SD09-06	41-TC-SD09-612
Laboratory Sample ID:	9402079-01A	9402079-02A	9402082-01A	9402082-02A	9402082-03A	9402082-04A
Date Sampled:	02/07/94	02/07/94	02/06/94	02/06/94	02/06/94	02/06/94
Percent Solids	76.6	73.9	70.6	58.2	25.2	39.4
VOLATILES						
Chloromethane	UG/KG	13.0 U	14.0 U	14.0 U	17.0 U	26.0 U
Bromomethane	UG/KG	13.0 U	14.0 U	14.0 U	17.0 U	26.0 U
Vinyl chloride	UG/KG	13.0 U	14.0 U	14.0 U	17.0 U	26.0 U
Chloroethane	UG/KG	13.0 U	14.0 U	14.0 U	17.0 U	26.0 U
Methylene chloride	UG/KG	7.00 J	6.00 J	14.0 U	17.00 U	26.00 U
Acetone	UG/KG	13.00 U	52.0 U	4.00 J	44.0	190.0
Carbon Disulfide	UG/KG	13.0 U	14.0 U	14.0 U	17.0 U	26.0 U
1,1-Dichloroethene	UG/KG	13.0 U	14.0 U	14.0 U	17.0 U	26.0 U
1,1-Dichloroethane	UG/KG	13.0 U	14.0 U	14.0 U	17.0 U	26.0 U
1,2-Dichloroethene(total)	UG/KG	13.0 U	14.0 U	14.0 U	17.0 U	26.0 U
Chloroform	UG/KG	13.0 U	14.0 U	14.0 U	17.0 U	26.0 U
1,2-Dichloroethane	UG/KG	13.0 U	14.0 U	14.0 U	17.0 U	26.0 U
2-Butanone	UG/KG	13.0 U	14.0 U	14.0 U	17.0 U	26.0 U
1,1,1-Trichloroethane	UG/KG	13.0 U	14.0 U	14.0 U	17.0 U	26.0 U
Carbon tetrachloride	UG/KG	13.0 U	14.0 U	14.0 U	17.0 U	26.0 U
Bromodichloromethane	UG/KG	13.0 U	14.0 U	14.0 U	17.0 U	26.0 U
1,2-Dichloropropane	UG/KG	13.0 U	14.0 U	14.0 U	17.0 U	26.0 U
cis-1,3-Dichloropropene	UG/KG	13.0 U	14.0 U	14.0 U	17.0 U	26.0 U
Trichloroethene	UG/KG	13.0 U	14.0 U	14.0 U	17.0 U	26.0 U
Dibromochloromethane	UG/KG	13.0 U	14.0 U	14.0 U	17.0 U	26.0 U
1,1,2-Trichloroethane	UG/KG	13.0 U	14.0 U	14.0 U	17.0 U	26.0 U
Benzene	UG/KG	13.0 U	14.0 U	14.0 U	17.0 U	26.0 U
trans-1,3-Dichloropropene	UG/KG	13.0 U	14.0 U	14.0 U	17.0 U	26.0 U
Bromoform	UG/KG	13.0 U	14.0 U	14.0 U	17.0 U	26.0 U
4-Methyl-2-pentanone	UG/KG	13.0 U	14.0 U	14.0 U	17.0 U	26.0 U
2-Hexanone	UG/KG	13.0 U	14.0 U	14.0 U	17.0 U	26.0 U
Tetrachloroethene	UG/KG	13.0 U	14.0 U	14.0 U	17.0 U	26.0 U
1,1,2,2-Tetrachloroethane	UG/KG	13.0 U	14.0 U	14.0 U	17.0 U	26.0 U
Toluene	UG/KG	2.00 J	14.0 U	14.0 U	17.0 U	26.0 U
Chlorobenzene	UG/KG	13.0 U	14.0 U	14.0 U	17.0 U	26.0 U
Ethylbenzene	UG/KG	13.0 U	14.0 U	14.0 U	17.0 U	26.0 U
Styrene	UG/KG	13.0 U	14.0 U	14.0 U	17.0 U	26.0 U
Xylenes (total)	UG/KG	13.0 U	14.0 U	14.0 U	17.0 U	26.0 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 UNNAMED TRIBUTARY AND TANK CREEK SEDIMENT
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	41-TC-SD07-06	41-TC-SD07-612	41-TC-SD08-06	41-TC-SD08-612	41-TC-SD09-06	41-TC-SD09-612	
Laboratory Sample ID:	9402079-01A	9402079-02A	9402082-01A	9402082-02A	9402082-03A	9402082-04A	
Date Sampled:	02/07/94	02/07/94	02/06/94	02/06/94	02/06/94	02/06/94	
Percent Solids	76.6	73.9	70.6	58.2	25.2	39.4	
PESTICIDE/PCBS							
alpha-BHC	UG/KG	2.21 UJ	2.30 UJ	2.39 UJ	2.93 UJ	6.80 UJ	4.36 R
beta-BHC	UG/KG	2.21 UJ	2.30 UJ	2.39 UJ	2.93 UJ	6.80 UJ	4.36 R
delta-BHC	UG/KG	2.21 UJ	2.30 UJ	2.39 UJ	2.93 UJ	6.80 UJ	4.36 R
Lindane (gamma-BHC)	UG/KG	2.21 UJ	2.30 UJ	2.39 UJ	2.93 UJ	6.80 UJ	4.36 R
Heptachlor	UG/KG	2.21 UJ	2.30 UJ	2.39 UJ	2.93 UJ	6.80 UJ	4.36 R
Aldrin	UG/KG	2.21 UJ	2.30 UJ	2.39 UJ	2.93 UJ	6.80 UJ	4.36 R
Heptachlor epoxide	UG/KG	2.21 UJ	2.30 UJ	2.39 UJ	2.93 UJ	6.80 UJ	4.36 R
Endosulfan I	UG/KG	2.21 UJ	2.30 UJ	2.39 UJ	2.93 UJ	6.80 UJ	4.36 R
Dieldrin	UG/KG	4.28 UJ	4.46 UJ	4.65 UJ	5.69 UJ	13.2 UJ	8.46 R
4,4'-DDE	UG/KG	4.28 UJ	4.46 UJ	0.530 J	5.69 UJ	11.2 NJ	8.46 R
Endrin	UG/KG	4.28 UJ	4.46 UJ	4.65 UJ	5.69 UJ	13.2 UJ	8.46 R
Endosulfan II	UG/KG	4.28 UJ	4.46 UJ	4.65 UJ	5.69 UJ	13.2 UJ	8.46 R
4,4'-DDD	UG/KG	4.28 UJ	4.46 UJ	0.380 NJ	5.69 UJ	63.3 J	8.46 R
Endosulfan sulfate	UG/KG	4.28 UJ	4.46 UJ	4.65 UJ	5.69 UJ	13.2 UJ	8.46 R
4,4'-DDT	UG/KG	4.28 UJ	4.46 UJ	4.65 UJ	5.69 UJ	13.2 UJ	8.46 R
Methoxychlor	UG/KG	22.1 UJ	1.38 J	0.910 J	29.3 UJ	21.7 J	43.6 R
Endrin ketone	UG/KG	4.28 UJ	4.46 UJ	4.65 UJ	5.69 UJ	13.2 UJ	8.46 R
Endrin aldehyde	UG/KG	4.28 UJ	4.46 UJ	4.65 UJ	5.69 UJ	13.2 UJ	8.46 R
alpha-Chlordane	UG/KG	2.21 UJ	2.30 UJ	2.39 UJ	2.93 UJ	3.48 J	4.36 R
gamma-Chlordane	UG/KG	2.21 UJ	2.30 UJ	2.39 UJ	2.93 UJ	6.80 UJ	4.36 R
Toxaphene	UG/KG	221.0 UJ	230.0 UJ	239.0 UJ	293.0 UJ	680.0 UJ	436 R
Aroclor 1016	UG/KG	42.8 UJ	44.6 UJ	46.5 UJ	56.9 UJ	132.0 UJ	84.6 R
Aroclor 1221	UG/KG	87.0 UJ	90.5 UJ	94.4 UJ	116.0 UJ	268.0 UJ	172 R
Aroclor 1232	UG/KG	42.8 UJ	44.6 UJ	46.5 UJ	56.9 UJ	132.0 UJ	84.6 R
Aroclor 1242	UG/KG	42.8 UJ	44.6 UJ	46.5 UJ	56.9 UJ	132.0 UJ	84.6 R
Aroclor 1248	UG/KG	42.8 UJ	44.6 UJ	46.5 UJ	56.9 UJ	132.0 UJ	84.6 R
Aroclor 1254	UG/KG	42.8 UJ	44.6 UJ	46.5 UJ	56.9 UJ	132.0 UJ	84.6 R
Aroclor 1260	UG/KG	42.8 UJ	44.6 UJ	46.5 UJ	56.9 UJ	132.0 UJ	84.6 R

FREQUENCY OF DETECTION SUMMARY
OPERABLE UNIT NO. 4 (SITE 41)
UNNAMED TRIBUTARY AND TANK CREEK SEDIMENT
MCB CAMP LEJEUNE, NORTH CAROLINA
REMEDIAL INVESTIGATION - CTO-0212
ORGANICS

Client Sample ID:	41-TC-SD07-06	41-TC-SD07-612	41-TC-SD08-06	41-TC-SD08-612	41-TC-SD09-06	41-TC-SD09-612
Laboratory Sample ID:	9402079-01A	9402079-02A	9402082-01A	9402082-02A	9402082-03A	9402082-04A
Date Sampled:	02/07/94	02/07/94	02/06/94	02/06/94	02/06/94	02/06/94
Percent Solids	76.6	73.9	70.6	58.2	25.2	39.4
ORDNANCE						
1,3,5-Trinitrobenzene	UG/KG	40.2 U	40.2 U	40.2 U	40.2 U	40.2 U
1,3-Dinitrobenzene	UG/KG	37.2 U	37.2 U	37.2 U	37.2 U	37.2 U
2,4,6-Trinitrotoluene	UG/KG	35.6 U	35.6 U	35.6 U	35.6 U	35.6 U
2,4-Dinitrotoluene	UG/KG	51.6 U	51.6 U	51.6 U	51.6 U	51.6 U
2,6-Dinitrotoluene	UG/KG	47.6 U	47.6 U	47.6 U	47.6 U	47.6 U
2-Amino-4,6-dinitrotoluene	UG/KG	46.7 U	46.7 U	46.7 U	46.7 U	46.7 U
2-Nitrotoluene	UG/KG	81.4 U	81.4 U	81.4 U	81.4 U	81.4 U
3-Nitrotoluene	UG/KG	81.7 U	81.7 U	81.7 U	81.7 U	81.7 U
4-Amino-2,6-dinitrotoluene	UG/KG	40.8 U	40.8 U	40.8 U	40.8 U	40.8 U
4-Nitrotoluene	UG/KG	87.2 U	87.2 U	87.2 U	87.2 U	87.2 U
HMX	UG/KG	70.5 U	70.5 U	70.5 U	70.5 U	70.5 U
Nitrobenzene	UG/KG	35.2 U	35.2 U	35.2 U	35.2 U	35.2 U
RDX	UG/KG	50.9 U	50.9 U	50.9 U	50.9 U	50.9 U
Tetryl	UG/KG	163.0 UJ	163.0 UJ	163.0 UJ	163.0 UJ	163.0 UJ
MIREX						
Mirex	UG/KG	2200.0 U	2300.0 U	2300.0 U	2900.0 U	4300.0 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 UNNAMED TRIBUTARY AND TANK CREEK SEDIMENT
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID: Laboratory Sample ID: Date Sampled: Percent Solids		MINIMUM NONDETECTED	MAXIMUM NONDETECTED	MINIMUM DETECTED	MAXIMUM DETECTED	LOCATION OF MAXIMUM DETECTED	FREQUENCY OF DETECTION
SEMIVOLATILES							
1,2-Dichlorobenzene	UG/KG	407 U	1320 U	ND	ND		0/28
1,2,4-Trichlorobenzene	UG/KG	407 U	1320 U	ND	ND		0/28
1,3-Dichlorobenzene	UG/KG	407 U	1320 U	ND	ND		0/28
1,4-Dichlorobenzene	UG/KG	407 U	1320 U	ND	ND		0/28
2-Chloronaphthalene	UG/KG	407 U	1320 U	ND	ND		0/28
2-Chlorophenol	UG/KG	407 U	1320 U	ND	ND		0/28
2-Methylnaphthalene	UG/KG	407 U	1320 U	ND	ND		0/28
2-Methylphenol	UG/KG	407 U	1320 U	ND	ND		0/28
2-Nitroaniline	UG/KG	988 U	3200 U	ND	ND		0/28
2-Nitrophenol	UG/KG	407 U	1320 U	ND	ND		0/28
2,2'-oxybis-(1-chloropropane)	UG/KG	407 U	1320 U	ND	ND		0/28
2,4-Dichlorophenol	UG/KG	407 U	1320 U	ND	ND		0/28
2,4-Dimethylphenol	UG/KG	407 U	1320 U	ND	ND		0/28
2,4-Dinitrophenol	UG/KG	988 U	3200 U	ND	ND		0/28
2,4-Dinitrotoluene	UG/KG	407 U	1320 U	ND	ND		0/28
2,4,5-Trichlorophenol	UG/KG	988 U	3200 U	ND	ND		0/28
2,4,6-Trichlorophenol	UG/KG	407 U	1320 U	ND	ND		0/28
2,6-Dinitrotoluene	UG/KG	407 U	1320 U	ND	ND		0/28
3-Nitroaniline	UG/KG	988 U	3200 U	ND	ND		0/28
3,3'-Dichlorobenzidine	UG/KG	407 U	1320 U	ND	ND		0/28
4-Bromophenyl-phenylether	UG/KG	407 U	1320 U	ND	ND		0/28
4-Chloro-3-methylphenol	UG/KG	407 U	1320 U	ND	ND		0/28
4-Chloroaniline	UG/KG	407 U	1320 U	ND	ND		0/28
4-Chlorophenyl phenyl ether	UG/KG	407 U	1320 U	ND	ND		0/28
4-Methylphenol	UG/KG	407 U	1320 U	ND	ND		0/28
4-Nitroaniline	UG/KG	988 U	3200 U	ND	ND		0/28
4-Nitrophenol	UG/KG	988 U	3200 U	ND	ND		0/28
4,6-Dinitro-2-methylphenol	UG/KG	988 U	3200 U	ND	ND		0/28
Acenaphthene	UG/KG	407 U	1320 U	ND	ND		0/28
Acenaphthylene	UG/KG	407 U	1320 U	ND	ND		0/28
Anthracene	UG/KG	407 U	1320 U	ND	ND		0/28
Benzo[a]anthracene	UG/KG	407 U	1320 U	ND	ND		0/28
Benzo[a]pyrene	UG/KG	407 U	1320 U	57 J	57 J	41-TC-SD06-06	1/28

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 UNNAMED TRIBUTARY AND TANK CREEK SEDIMENT
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID: Laboratory Sample ID: Date Sampled: Percent Solids		MINIMUM NONDETECTED	MAXIMUM NONDETECTED	MINIMUM DETECTED	MAXIMUM DETECTED	LOCATION OF MAXIMUM DETECTED	FREQUENCY OF DETECTION
SEMIVOLATILES Cont.							
Benzo[b]fluoranthene	UG/KG	407 U	1320 U	69 J	69 J	41-TC-SD06-06	1/28
Benzo[g,h,i]perylene	UG/KG	407 U	1320 U	ND	ND		0/28
Benzo[k]fluoranthene	UG/KG	407 U	1320 U	58 J	58 J	41-TC-SD06-06	1/28
bis(2-Chloroethoxy) methane	UG/KG	407 U	1320 U	ND	ND		0/28
bis(2-Chloroethyl) ether	UG/KG	407 U	1320 U	ND	ND		0/28
bis(2-Ethylhexyl)phthalate	UG/KG	407 U	1320 U	44 J	94 J	41-UN-SD10-612	5/28
Butyl benzyl phthalate	UG/KG	407 U	1320 U	ND	ND		0/28
Carbazole	UG/KG	407 U	1320 U	ND	ND		0/28
Chrysene	UG/KG	407 U	1320 U	ND	ND		0/28
Dibenzofuran	UG/KG	407 U	1320 U	ND	ND		0/28
Dibenz[a,h]anthracene	UG/KG	407 U	1320 U	ND	ND		0/28
Diethylphthalate	UG/KG	407 U	1320 U	ND	ND		0/28
Dimethyl phthalate	UG/KG	407 U	1320 U	ND	ND		0/28
di-n-Butylphthalate	UG/KG	407 U	1320 U	48 J	370 J	41-UN-SD10-06	6/28
di-n-Octylphthalate	UG/KG	407 U	1320 U	49 J	310 J	41-UN-SD03-612	3/28
Fluoranthene	UG/KG	407 U	1320 U	100 J	100 J	41-TC-SD06-06	1/28
Fluorene	UG/KG	407 U	1320 U	ND	ND		0/28
Hexachlorobenzene	UG/KG	407 U	1320 U	ND	ND		0/28
Hexachlorobutadiene	UG/KG	407 U	1320 U	ND	ND		0/28
Hexachlorocyclopentadiene	UG/KG	407 U	1320 U	ND	ND		0/28
Hexachloroethane	UG/KG	407 U	1320 U	ND	ND		0/28
Indeno[1,2,3-cd]pyrene	UG/KG	407 U	1320 U	ND	ND		0/28
Isophorone	UG/KG	407 U	1320 U	ND	ND		0/28
Naphthalene	UG/KG	407 U	1320 U	ND	ND		0/28
Nitrobenzene	UG/KG	407 U	1320 U	ND	ND		0/28
N-Nitroso-di-n-propylamine	UG/KG	407 U	1320 U	ND	ND		0/28
N-nitrosodiphenylamine	UG/KG	407 U	1320 U	ND	ND		0/28
Pentachlorophenol	UG/KG	988 U	3200 U	ND	ND		0/28
Phenanthrene	UG/KG	407 U	1320 U	ND	ND		0/28
Phenol	UG/KG	407 U	1320 U	ND	ND		0/28
Pyrene	UG/KG	407 U	1320 U	100 J	100 J	41-TC-SD06-06	1/28

FREQUENCY OF DETECTION SUMMARY
OPERABLE UNIT NO. 4 (SITE 41)
UNNAMED TRIBUTARY AND TANK CREEK SEDIMENT
MCB CAMP LEJEUNE, NORTH CAROLINA
REMEDIAL INVESTIGATION - CTO-0212
ORGANICS

Client Sample ID: Laboratory Sample ID: Date Sampled: Percent Solids		MINIMUM NONDETECTED	MAXIMUM NONDETECTED	MINIMUM DETECTED	MAXIMUM DETECTED	LOCATION OF MAXIMUM DETECTED	FREQUENCY OF DETECTION
<u>VOLATILES</u>							
Chloromethane	UG/KG	12 U	40 U	ND	ND		0/28
Bromomethane	UG/KG	12 U	40 U	ND	ND		0/28
Vinyl chloride	UG/KG	12 U	40 U	ND	ND		0/28
Chloroethane	UG/KG	12 U	40 U	ND	ND		0/28
Methylene chloride	UG/KG	12 U	40 U	2 J	7 J	41-TC-SD07-06	8/28
Acetone	UG/KG	12 U J	61 U	4 J	190	41-TC-SD09-06	11/28
Carbon Disulfide	UG/KG	12 U	40 U	ND	ND		0/28
1,1-Dichloroethene	UG/KG	12 U	40 U	ND	ND		0/28
1,1-Dichloroethane	UG/KG	12 U	40 U	ND	ND		0/28
1,2-Dichloroethene(total)	UG/KG	12 U	40 U	ND	ND		0/28
Chloroform	UG/KG	12 U	40 U	ND	ND		0/28
1,2-Dichloroethane	UG/KG	12 U	40 U	ND	ND		0/28
2-Butanone	UG/KG	12 U	40 U	ND	ND		0/28
1,1,1-Trichloroethane	UG/KG	12 U	40 U	ND	ND		0/28
Carbon tetrachloride	UG/KG	12 U	40 U	ND	ND		0/28
Bromodichloromethane	UG/KG	12 U	40 U	ND	ND		0/28
1,2-Dichloropropane	UG/KG	12 U	40 U	ND	ND		0/28
cis-1,3-Dichloropropene	UG/KG	12 U	40 U	ND	ND		0/28
Trichloroethene	UG/KG	12 U	40 U	2 J	2 J	41-UN-SD14-612	1/28
Dibromochloromethane	UG/KG	12 U	40 U	ND	ND		0/28
1,1,2-Trichloroethane	UG/KG	12 U	40 U	ND	ND		0/28
Benzene	UG/KG	12 U	40 U	ND	ND		0/28
trans-1,3-Dichloropropene	UG/KG	12 U	40 U	ND	ND		0/28
Bromoform	UG/KG	12 U	40 U	ND	ND		0/28
4-Methyl-2-pentanone	UG/KG	12 U	40 U	ND	ND		0/28
2-Hexanone	UG/KG	12 U	40 U	ND	ND		0/28
Tetrachloroethene	UG/KG	12 U	40 U	ND	ND		0/28
1,1,2,2-Tetrachloroethane	UG/KG	12 U	40 U	ND	ND		0/28
Toluene	UG/KG	12 U	40 U	2 J	2 J	41-TC-SD07-06	2/28
Chlorobenzene	UG/KG	12 U	40 U	ND	ND		0/28
Ethylbenzene	UG/KG	12 U	40 U	ND	ND		0/28
Styrene	UG/KG	12 U	40 U	ND	ND		0/28
Xylenes (total)	UG/KG	12 U	40 U	ND	ND		0/28

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 UNNAMED TRIBUTARY AND TANK CREEK SEDIMENT
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID: Laboratory Sample ID: Date Sampled: Percent Solids		MINIMUM NONDETECTED	MAXIMUM NONDETECTED	MINIMUM DETECTED	MAXIMUM DETECTED	LOCATION OF MAXIMUM DETECTED	FREQUENCY OF DETECTION
PESTICIDE/PCBS							
alpha-BHC	UG/KG	1.9 U	8.4 U	ND	ND		0/41
beta-BHC	UG/KG	1.9 U	8.4 U	ND	ND		0/41
delta-BHC	UG/KG	1.9 U	8.4 U	ND	ND		0/41
Lindane (gamma-BHC)	UG/KG	1.9 U	8.4 U	ND	ND		0/41
Heptachlor	UG/KG	1.9 U	8.4 U	ND	ND		0/41
Aldrin	UG/KG	1.9 U	8.4 U	ND	ND		0/41
Heptachlor epoxide	UG/KG	1.9 U	8.4 U	ND	ND		0/41
Endosulfan I	UG/KG	1.9 U	8.4 U	ND	ND		0/41
Dieldrin	UG/KG	3.8 U	16 U	0.46 NJ	6.39 NJ	41-UN-SD13-06	10/41
4,4'-DDE	UG/KG	3.8 U	7.7 U	0.53 J	31.3 J	41-UN-SD10-612	19/41
Endrin	UG/KG	3.8 U	16 U	ND	ND		0/41
Endosulfan II	UG/KG	3.8 U	16 U	0.64 NJ	8.22 J	41-UN-SD14-06	9/41
4,4'-DDD	UG/KG	3.8 U	16 U	0.38 NJ	73.9 J	41-UN-SD10-612	22/41
Endosulfan sulfate	UG/KG	3.8 U	16 U	ND	ND		0/41
4,4'-DDT	UG/KG	3.8 U	16 U	0.36 NJ	210	41-UN-SD20	17/41
Methoxychlor	UG/KG	19 U	84 U	0.91 J	21.7 J	41-TC-SD09-06	6/41
Endrin ketone	UG/KG	3.8 U	16 U	0.66 NJ	0.66 NJ	41-UN-SD11-612	1/41
Endrin aldehyde	UG/KG	3.8 U	16 U	ND	ND		0/41
alpha-Chlordane	UG/KG	1.9 U	8.4 U	0.34 J	3.72 J	41-UN-SD10-06	13/41
gamma-Chlordane	UG/KG	1.9 U	8.4 U	0.4 J	6.35 J	41-UN-SD10-06	11/41
Toxaphene	UG/KG	190 U	840 U	ND	ND		0/41
Aroclor 1016	UG/KG	38 U	160 U	ND	ND		0/41
Aroclor 1221	UG/KG	77 U	330 U	ND	ND		0/41
Aroclor 1232	UG/KG	38 U	160 U	ND	ND		0/41
Aroclor 1242	UG/KG	38 U	160 U	ND	ND		0/41
Aroclor 1248	UG/KG	38 U	160 U	63 J	140 J	41-UN-SD13-612	2/41
Aroclor 1254	UG/KG	38 U	160 U	68 J	68 J	41-UN-SD13-06	1/41
Aroclor 1260	UG/KG	38 U	160 U	ND	ND		0/41

FREQUENCY OF DETECTION SUMMARY
OPERABLE UNIT NO. 4 (SITE 41)
UNNAMED TRIBUTARY AND TANK CREEK SEDIMENT
MCB CAMP LEJEUNE, NORTH CAROLINA
REMEDIAL INVESTIGATION - CTO-0212
ORGANICS

Client Sample ID: Laboratory Sample ID: Date Sampled: Percent Solids		MINIMUM NONDETECTED	MAXIMUM NONDETECTED	MINIMUM DETECTED	MAXIMUM DETECTED	LOCATION OF MAXIMUM DETECTED	FREQUENCY OF DETECTION
ORDNANCE							
1,3,5-Trinitrobenzene	UG/KG	40.2 U	40.2 U	1390	1390	41-UN-SD14-06	1/28
1,3-Dinitrobenzene	UG/KG	37.2 U	37.2 U	ND	ND		0/28
2,4,6-Trinitrotoluene	UG/KG	35.6 U	35.6 U	ND	ND		0/28
2,4-Dinitrotoluene	UG/KG	51.6 U	51.6 U	ND	ND		0/28
2,6-Dinitrotoluene	UG/KG	47.6 U	47.6 U	ND	ND		0/28
2-Amino-4,6-dinitrotoluene	UG/KG	46.7 U	46.7 U	ND	ND		0/28
2-Nitrotoluene	UG/KG	81.4 U	81.4 U	ND	ND		0/28
3-Nitrotoluene	UG/KG	81.7 U	81.7 U	ND	ND		0/28
4-Amino-2,6-dinitrotoluene	UG/KG	40.8 U	40.8 U	ND	ND		0/28
4-Nitrotoluene	UG/KG	87.2 U	87.2 U	ND	ND		0/28
HMX	UG/KG	70.5 U	70.5 U	ND	ND		0/28
Nitrobenzene	UG/KG	35.2 U	35.2 U	ND	ND		0/28
RDX	UG/KG	50.9 U	50.9 U	ND	ND		0/28
Tetryl	UG/KG	163 U	163 U	ND	ND		0/28
MIREX							
Mirex	UG/KG	589 U	6700 U	ND	ND		0/16

APPENDIX O.17
SITE 41 UNNAMED TRIBUTARY AND TANK CREEK
SEDIMENT INORGANICS

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 UNNAMED TRIBUTARY AND TANK CREEK SEDIMENT
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 TAL METALS

Client Sample ID:	41-UN-SD01-06	41-UN-SD01-612	41-UN-SD02-06	41-UN-SD02-612	41-UN-SD03-06	41-UN-SD03-612	
Laboratory Sample ID:	9402062-03	9402062-04	9402066-01A	9402066-02A	9402041-01	9402041-03	
Date Sampled:	02/04/94	02/04/94			02/01/94	02/01/94	
Percent Solids	73.5	75.5	78.8	78.8	74.9	72.9	
	UNITS						
Aluminum	MG/KG	1720.0	2780.0	466 J	670 J	623.0	654.0
Antimony	MG/KG	2.15 U	2.09 U	1.88 U	1.88 U	2.11 U	2.17 U
Arsenic	MG/KG	0.789 U	0.768 U	0.533 U	0.533 U	0.774 UJ	0.796 U
Barium	MG/KG	5.24	7.66	3.5	5.5	4.07	3.76 U
Beryllium	MG/KG	0.351 U	0.342 U	0.193 U	0.193 U	0.344 U	0.354 U
Cadmium	MG/KG	0.639 U	0.622 U	0.81 U	0.81 U	0.628 U	0.645 U
Calcium	MG/KG	1250.0	1660.0	157 J	208 J	409.0	308.0
Chromium	MG/KG	4.81 U	3.18 U	2.11 UJ	2.11 UJ	3.29 U	3.44 U
Cobalt	MG/KG	2.65 U	2.58 U	4.06 U	4.06 U	2.60 U	2.67 U
Copper	MG/KG	4.41 U	4.29 U	4.14 U	4.14 U	4.32 U	4.44 U
Iron	MG/KG	924.0 J	1160.0 J	290 J	439 J	567.0 J	487.0 J
Lead	MG/KG	13.8 J	12.6 J	3.79	3.26	4.07 J	4.70 J
Magnesium	MG/KG	62.5	59.4	20.5	18.2 U	28.2	32.1
Manganese	MG/KG	2.94	2.67	10.1 J	1.93 J	2.27	1.99
Mercury	MG/KG	0.068 U	0.066 U	0.063 U	0.063 U	0.067 U	0.069 U
Nickel	MG/KG	5.97	3.79	7.3 U	7.3 U	3.63 U	4.57
Potassium	MG/KG	136.0 U	132.0 U	194 U	194 U	134.0 U	137.0 U
Selenium	MG/KG	0.688 U	0.670 U	0.651 J	0.381 UJ	0.676 UJ	0.809 J
Silver	MG/KG	0.435 U	0.424 U	0.406 UJ	0.406 UJ	0.427 U	0.439 U
Sodium	MG/KG	73.6 J	49.3 UJ	117	93.4 U	49.7 UJ	51.0 UJ
Thallium	MG/KG	1.25 U	1.22 U	0.736 UJ	0.736 UJ	1.23 U	1.26 U
Vanadium	MG/KG	4.52 U	4.40 U	5.18 U	5.18 U	4.43 U	4.55 U
Zinc	MG/KG	10.5 U	15.2 U	5.3 U	6.91 U	10.6 U	10.2 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 UNNAMED TRIBUTARY AND TANK CREEK SEDIMENT
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 TAL METALS

Client Sample ID:	41-UN-SD04-06	41-UN-SD04-612	41-NE-SD05-06	41-NE-SD05-612	41-UN-SD10-06	41-UN-SD10-612	
Laboratory Sample ID:	9402041-05	9402041-06	9402091-01A	9402091-02A	9402020-01	9402020-02	
Date Sampled:	02/01/94	02/01/94					
Percent Solids	78.1	77.1	77.5	78.9	43.8	56	
	UNITS						
Aluminum	MG/KG	613.0	371.0	437 J	351 J	6400 J	3380 J
Antimony	MG/KG	2.02 U	2.05 U	1.91 U	1.88 U	3.61 UJ	2.82 UJ
Arsenic	MG/KG	0.743 U	0.752 U	0.542 U	0.532 U	0.959 U	0.981
Barium	MG/KG	3.51 U	3.55 U	3.2 U	3.14 U	21.9	17.3
Beryllium	MG/KG	0.330 U	0.335 U	0.196 U	0.193 U	0.413	0.271 U
Cadmium	MG/KG	0.602 U	0.610 U	0.823 U	0.809 U	1.46 U	1.14 U
Calcium	MG/KG	177.0	96.4	314 J	216 J	2000	1170
Chromium	MG/KG	3.93 U	1.91 U	2.42 J	2.11 UJ	6.85	3.72
Cobalt	MG/KG	2.50 U	2.53 U	4.13 U	4.06 U	7.3 U	5.71 U
Copper	MG/KG	4.15 U	4.20 U	4.21 U	4.13 U	7.44 U	5.82 U
Iron	MG/KG	343.0 J	267.0 J	354 J	262 J	4760 J	4410 J
Lead	MG/KG	5.49 J	4.20 J	1.94	2.19	33.1	19.9
Magnesium	MG/KG	25.2	15.3	21.5	18.2 U	844	439
Manganese	MG/KG	1.38	1.36 U	1.96 J	1.79 UJ	17.3 J	14.5 J
Mercury	MG/KG	0.064 U	0.065 U	0.064 U	0.063 U	0.114 R	0.089 R
Nickel	MG/KG	3.48 U	3.53 U	7.4 U	7.3 U	13.2 U	10.3 U
Potassium	MG/KG	128.0 U	130.0 U	197 U	193 U	348 U	272 U
Selenium	MG/KG	0.648 U	0.656 U	0.387 UJ	0.38 UJ	1.16 U	0.904 U
Silver	MG/KG	0.410 U	1.14	0.413 UJ	0.406 UJ	0.73 U	0.571 U
Sodium	MG/KG	47.6 UJ	48.2 UJ	95 U	117	632	421
Thallium	MG/KG	1.18 U	1.19 J	0.748 UJ	0.735 UJ	2.1 U	1.64 U
Vanadium	MG/KG	4.25 U	4.31 U	5.26 U	5.17 U	9.72	7.28 U
Zinc	MG/KG	6.24 U	5.48 U	7.41 U	13.6	40.2	28.1

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 UNNAMED TRIBUTARY AND TANK CREEK SEDIMENT
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 TAL METALS

Client Sample ID:	41-UN-SD11-06	41-UN-SD11-612	41-UN-SD12-06	41-UN-SD12-612	41-UN-SD13-06	41-UN-SD13-612	
Laboratory Sample ID:	9402062-01	9402062-02	9402066-03A	9402066-04A	9402053-05	9402053-06	
Date Sampled:	02/04/94	02/04/94			02/03/94	02/03/94	
Percent Solids	77.1	79.6	80.1	81.5	45.8	52.9	
	<u>UNITS</u>						
Aluminum	MG/KG	1790.0	1240.0	674 J	675 J	5890.0	6230.0
Antimony	MG/KG	2.05 U	1.98 U	1.85 U	1.82 U	3.45 U	2.99 U
Arsenic	MG/KG	0.752 U	0.729 U	0.617	0.515 U	1.81	1.97
Barium	MG/KG	8.02	4.76	3.1 U	3.06	18.0	20.3
Beryllium	MG/KG	0.335 U	0.324 U	0.19 U	0.186 U	0.563 U	0.488 U
Cadmium	MG/KG	0.610 U	0.590 U	0.796 U	0.783 U	1.03 U	0.888 U
Calcium	MG/KG	341.0	129.0	188 J	126 J	3970.0	3320.0
Chromium	MG/KG	4.88 U	3.01 U	2.95 J	2.04 UJ	11.9	13.8
Cobalt	MG/KG	2.53 U	2.45 U	4 U	3.93 U	4.26 U	3.69 U
Copper	MG/KG	4.20 U	4.07 U	4.07 U	4 U	7.34	8.34
Iron	MG/KG	1070.0 J	524.0 J	2920 J	969 J	10400.0 J	12200.0 J
Lead	MG/KG	9.30 J	4.47 J	1.13	1.62	59.4 J	58.9 J
Magnesium	MG/KG	69.1	47.5	28.7	20.4	450.0	563.0
Manganese	MG/KG	1.36 U	1.32 U	6.93 J	2.47 J	28.0	21.9
Mercury	MG/KG	0.065 U	0.063 U	0.062 U	0.061 U	0.109 U	0.094 U
Nickel	MG/KG	4.17	4.48	7.2 U	7.1 U	5.94 U	5.14 U
Potassium	MG/KG	130.0 U	126.0 U	190 U	187 U	332.0	485.0
Selenium	MG/KG	0.656 U	0.636 U	0.374 UJ	0.368 UJ	1.10 U	0.956 U
Silver	MG/KG	0.415 U	1.20	0.4 UJ	0.393 UJ	29.7	0.605 U
Sodium	MG/KG	48.2 UJ	46.7 UJ	91.9 U	90.3 U	81.2 UJ	70.3 UJ
Thallium	MG/KG	1.19 U	1.16 U	0.724 UJ	0.712 UJ	2.01 U	1.74 U
Vanadium	MG/KG	4.31 U	4.17 U	5.09 U	5.01 U	10.9	11.8
Zinc	MG/KG	6.26 U	4.89 U	3.31 U	2.62 U	56.9	76.1

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 41)
 UNNAMED TRIBUTARY AND TANK CREEK SEDIMENT
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 TAL METALS

Client Sample ID:	41-UN-SD14-06	41-UN-SD14-612	41-UN-SD15	41-UN-SD16	41-UN-SD17	41-UN-SD18	
Laboratory Sample ID:	9402053-01	9402053-02	AB7538	AB7535	AB7532	AB7529	
Date Sampled:	02/03/94	02/03/94	08/23/94	08/23/94	08/23/94	08/23/94	
Percent Solids	62.7	63.6	65.4	85.5	81.7	68.8	
	<u>UNITS</u>						
Aluminum	MG/KG	9000.0	5000.0	5140	456	664	596
Antimony	MG/KG	2.52 UJ	2.48 U	15.1 U	11.4 U	11.9 U	14.1 U
Arsenic	MG/KG	1.08	0.912 U	2.8	0.42 U	0.6 U	0.56 U
Barium	MG/KG	20.0	12.8	9.4	1.4	2.7	2.9
Beryllium	MG/KG	0.411 U	0.406 U	0.3 U	0.23 U	0.24 U	0.28 U
Cadmium	MG/KG	0.750 U	0.739 U	1.5 U	1.1 U	1.2 U	1.4 U
Calcium	MG/KG	561.0	377.0	416	107	48.6	610
Chromium	MG/KG	11.2	7.04	6.5	2.3 U	2.4 U	2.8 U
Cobalt	MG/KG	3.11 U	3.07 U	3 U	2.3 U	2.4 U	2.8 U
Copper	MG/KG	5.17 U	5.09 U	3 U	2.3 U	2.4 U	2.8 U
Iron	MG/KG	4850.0 J	3410.0 J	4390	691	714	952
Lead	MG/KG	18.6 J	6.84 J	22.2	1.9	1.5	3.5
Magnesium	MG/KG	317.0	175.0	180	24.2	29.6	30.9
Manganese	MG/KG	8.38	4.29	6.2	1.3	1.4	3.1
Mercury	MG/KG	0.080 U	0.079 U	0.15 U	0.12 U	0.12 U	0.15 U
Nickel	MG/KG	6.12	4.28 U	6.1 U	4.5 U	4.8 U	5.6 U
Potassium	MG/KG	159.0 U	157.0 U	303 U	227 U	238 U	282 U
Selenium	MG/KG	0.807 U	0.796 U	0.57 U	0.42 U	0.46 U	0.56 U
Silver	MG/KG	0.510 U	0.503 U	1.5 U	1.1 U	1.2 U	1.4 U
Sodium	MG/KG	59.3 UJ	58.5 UJ	41	32.6	29.8	34.3
Thallium	MG/KG	1.47 U	1.45 U	0.57 U	0.42 U	0.46 U	0.56 U
Vanadium	MG/KG	10.1	5.22 U	10.4	2.3 U	2.4 U	2.8 U
Zinc	MG/KG	15.4	10.2 U	15.7	12.8	5.5	9.5

FREQUENCY OF DETECTION SUMMARY
OPERABLE UNIT NO. 4 (SITE 41)
UNNAMED TRIBUTARY AND TANK CREEK SEDIMENT
MCB CAMP LEJEUNE, NORTH CAROLINA
REMEDIAL INVESTIGATION - CTO-0212
TAL METALS

	Client Sample ID:	41-UN-SD19	41-UN-SD20	41-UN-SD21	41-UN-SD22	41-UN-SD23	41-UN-SD24
	Laboratory Sample ID:	AB7526	AB7523	AB7520	AB7517	AB7514	AB7511
	Date Sampled:	08/23/94	08/23/94	08/23/94	08/23/94	08/23/94	08/23/94
	Percent Solids	81.4	82	80	55	42.4	69.2
	<u>UNITS</u>						
Aluminum	MG/KG	276	827	525	830	2820	1170
Antimony	MG/KG	11.5 U	12.1 U	11 U	16.2 U	21.4 U	13.4 U
Arsenic	MG/KG	0.49 U	0.43 U	0.43 U	3.8	2.5	0.54 U
Barium	MG/KG	1.5	2.8	2.2	11.8	22.8	6.4
Beryllium	MG/KG	0.23 U	0.24 U	0.22 U	0.32 U	0.43 U	0.27 U
Cadmium	MG/KG	1.1 U	1.2 U	1.1 U	1.6 U	2.1 U	1.3 U
Calcium	MG/KG	538	531	601	2310	7530	884
Chromium	MG/KG	2.3	2.4 U	2.2 U	3.2 U	4.3 U	2.8
Cobalt	MG/KG	2.3 U	2.4 U	2.2 U	3.2 U	4.3 U	2.8
Copper	MG/KG	2.3 U	2.4 U	2.2 U	3.2 U	6.3	2.7 U
Iron	MG/KG	391	601	400	4510	36800	1300
Lead	MG/KG	2.7	5	3.4	6.9	13.5	3.5
Magnesium	MG/KG	25.5	35.8	29.7	138	154	68.3
Manganese	MG/KG	1.7	2.7	1.7	97.3	306	10.2
Mercury	MG/KG	0.12 U	0.46	0.12 U	0.18 U	0.63	0.14 U
Nickel	MG/KG	4.6 U	4.8 U	4.4 U	6.5 U	8.6 U	5.4 U
Potassium	MG/KG	230 U	241 U	219 U	325 U	429 U	268 U
Selenium	MG/KG	0.49 U	0.43 U	0.43 U	0.67 U	0.93 U	0.54 U
Silver	MG/KG	1.1 U	1.2 U	1.1 U	1.6 U	2.1 U	1.3 U
Sodium	MG/KG	43	54.3	40.3	171	363	80.9
Thallium	MG/KG	0.49 U	0.43 U	0.43 U	0.67 U	0.93 U	0.54 U
Vanadium	MG/KG	2.3 U	2.4 U	2.2 U	3.2 U	9.3	3.5
Zinc	MG/KG	19.8	17.6	25	42.4	86.7	22.8

FREQUENCY OF DETECTION SUMMARY
OPERABLE UNIT NO. 4 (SITE 41)
UNNAMED TRIBUTARY AND TANK CREEK SEDIMENT
MCB CAMP LEJEUNE, NORTH CAROLINA
REMEDIAL INVESTIGATION - CTO-0212
TAL METALS

Client Sample ID:	41-UN-SD25	41-UN-SD26	41-UN-SD27	41-UN-SD28	41-TC-SD06-06	410TC-SD06-612	
Laboratory Sample ID:	AB7508	AB7505	AB7502	AB7499	9402082-05A	9402082-06A	
Date Sampled:	08/23/94	08/23/94	08/23/94	08/23/94	02/06/94	02/06/94	
Percent Solids	19.7	80.6	80.2	74.8	65.0	70.2	
	UNITS						
Aluminum	MG/KG	10200	988	355	394	2580.0 J	6600.0 J
Antimony	MG/KG	48.3 U	11.3 U	12.2 U	13.4 U	2.28 U	2.11 U
Arsenic	MG/KG	9.3	0.48 U	0.47 U	0.48 U	0.702	0.864
Barium	MG/KG	161	4.5	2.4	2.6	13.5	25.3
Beryllium	MG/KG	0.97 U	0.23 U	0.24 U	0.27 U	0.234 U	0.377
Cadmium	MG/KG	4.8 U	1.1 U	1.2 U	1.3 U	0.982 U	0.909 U
Calcium	MG/KG	8420	683	307	238	1090.0 J	1230.0 J
Chromium	MG/KG	9.7 U	2.3 U	2.4 U	2.7 U	3.42 J	8.72 J
Cobalt	MG/KG	9.7 U	2.3 U	2.4 U	2.7 U	4.92 U	4.56 U
Copper	MG/KG	19.9	2.3 U	2.4 U	2.7 U	5.02 U	4.64 U
Iron	MG/KG	104000	510	322	300	2840.0 J	6030.0 J
Lead	MG/KG	28.1	3.8	1.7	1.7	18.7	13.6
Magnesium	MG/KG	321	42.6	27.1	27.7	99.8	235.0
Manganese	MG/KG	180	1.9	1.9	2.2	8.72 J	13.7 J
Mercury	MG/KG	0.51 U	0.12 U	0.12 U	0.13 U	0.077 U	0.071 U
Nickel	MG/KG	19.3 U	4.5 U	4.9 U	5.3 U	8.90 U	8.20 U
Potassium	MG/KG	967 U	226 U	244 U	267 U	235.0 U	381.0
Selenium	MG/KG	1.8 U	0.48 U	0.47 U	0.48 U	0.462 UJ	0.862 J
Silver	MG/KG	4.8 U	1.1 U	1.2 U	1.3 U	0.492 UJ	0.456 UJ
Sodium	MG/KG	410	44.6	37.3	45.8	347.0	105.0 U
Thallium	MG/KG	1.8 U	0.48 U	0.47 U	0.48 U	0.892 UJ	0.826 UJ
Vanadium	MG/KG	30	2.3 U	2.4 U	2.7 U	6.28 U	12.7
Zinc	MG/KG	155	30.7	18.5	19.9	18.0	19.9

FREQUENCY OF DETECTION SUMMARY
OPERABLE UNIT NO. 4 (SITE 41)
UNNAMED TRIBUTARY AND TANK CREEK SEDIMENT
MCB CAMP LEJEUNE, NORTH CAROLINA
REMEDIAL INVESTIGATION - CTO-0212
TAL METALS

Client Sample ID:	41-TC-SD07-06	41-TC-SD07-612	41-TC-SD08-06	41-TC-SD08-612	41-TC-SD09-06	41-TC-SD09-612
Laboratory Sample ID:	9402079-01A	9402079-02A	9402082-01A	9402082-02A	9402082-03A	9402082-04A
Date Sampled:	02/07/94	02/07/94	02/06/94	02/06/94	02/06/94	02/06/94
Percent Solids	76.6	73.9	70.6	58.2	25.2	39.4
	<u>UNITS</u>					
Aluminum	MG/KG	406.0 J	1270.0 J	1790.0 J	6440.0 J	18800.0 J
Antimony	MG/KG	1.93 U	2.00 U	2.10 U	2.54 U	5.87 U
Arsenic	MG/KG	0.548 U	0.568 U	0.595 U	0.722 U	3.67
Barium	MG/KG	4.52	10.4	12.5	33.4	79.9
Beryllium	MG/KG	0.198 U	0.235	0.215 U	0.270 U	1.02
Cadmium	MG/KG	0.833 U	0.863 U	0.904 U	1.10 U	2.53 U
Calcium	MG/KG	96.3 J	440.0 J	480.0 J	810.0 J	4790.0 J
Chromium	MG/KG	2.17 UJ	2.25 UJ	2.35 UJ	7.61 J	16.5 J
Cobalt	MG/KG	4.18 U	4.33 U	4.53 U	5.50 U	12.7 U
Copper	MG/KG	4.26 U	4.41 U	4.62 U	5.60 U	12.9 U
Iron	MG/KG	434.0 J	1390.0 J	1580.0 J	2960.0 J	15100.0 J
Lead	MG/KG	1.10	2.34	4.23	7.54	28.7
Magnesium	MG/KG	19.1	50.7	61.0	172.0	1590.0
Manganese	MG/KG	1.85 UJ	5.75 J	7.08 J	8.26 J	46.4 J
Mercury	MG/KG	0.065 U	0.068 U	0.071 U	0.086 U	0.198 U
Nickel	MG/KG	7.50 U	7.80 U	8.20 U	9.90 U	22.9 U
Potassium	MG/KG	199.0 U	206.0 U	216.0 U	262.0 U	1060.0
Selenium	MG/KG	0.629 J	0.406 UJ	0.425 UJ	0.515 UJ	1.19 UJ
Silver	MG/KG	0.418 UJ	0.433 UJ	0.453 UJ	0.550 UJ	1.27 UJ
Sodium	MG/KG	96.1 U	99.6 U	104.0 U	158.0	1430.0
Thallium	MG/KG	0.757 UJ	0.785 UJ	0.822 UJ	0.996 UJ	2.30 U
Vanadium	MG/KG	5.33 U	5.52 U	5.78 U	9.86	28.6
Zinc	MG/KG	5.72 U	8.40 U	10.3 U	12.8	85.3

FREQUENCY OF DETECTION SUMMARY
OPERABLE UNIT NO. 4 (SITE 41)
UNNAMED TRIBUTARY AND TANK CREEK SEDIMENT
MCB CAMP LEJEUNE, NORTH CAROLINA
REMEDIAL INVESTIGATION - CTO-0212
TAL METALS

Client Sample ID:							
Laboratory Sample ID:		MINIMUM	MAXIMUM	MINIMUM	MAXIMUM	LOCATION OF	FREQUENCY
Date Sampled:		NONDETECTED	NONDETECTED	DETECTED	DETECTED	MAXIMUM	OF
Percent Solids						DETECTED	DETECTION
	<u>UNITS</u>						
Aluminum	MG/KG	NA	NA	276	18800 J	41-TC-SD09-06	42/42
Antimony	MG/KG	1.82 U	48.3 U	ND	ND		0/42
Arsenic	MG/KG	0.42 U	0.959 U	0.617	9.3	41-UN-SD25	13/42
Barium	MG/KG	3.1 U	3.76 U	1.4	161	41-UN-SD25	36/42
Beryllium	MG/KG	0.186 U	0.97 U	0.235	1.02	41-TC-SD09-06	5/42
Cadmium	MG/KG	0.59 U	4.8 U	ND	ND		0/42
Calcium	MG/KG	NA	NA	48.6	8420	41-UN-SD25	42/42
Chromium	MG/KG	1.91 U	9.7 U	2.3	16.5 J	41-TC-SD09-06	16/42
Cobalt	MG/KG	2.2 U	12.7 U	2.8	2.8	41-UN-SD24	1/42
Copper	MG/KG	2.2 U	12.9 U	6.3	19.9	41-UN-SD25	4/42
Iron	MG/KG	NA	NA	262 J	104000	41-UN-SD25	42/42
Lead	MG/KG	NA	NA	1.1	59.4 J	41-UN-SD13-06	42/42
Magnesium	MG/KG	18.2 U	18.2 U	15.3	1590	41-TC-SD09-06	40/42
Manganese	MG/KG	1.32 U	1.85 UJ	1.3	306	41-UN-SD23	37/42
Mercury	MG/KG	0.061 U	0.51 U	0.46	0.63	41-UN-SD23	2/40
Nickel	MG/KG	3.48 U	22.9 U	3.79	6.12	41-UN-SD14-06	6/42
Potassium	MG/KG	126 U	967 U	332	1060	41-TC-SD09-06	5/42
Selenium	MG/KG	0.368 UJ	1.8 U	0.629 J	0.862 J	410TC-SD06-612	4/42
Silver	MG/KG	0.393 UJ	4.8 U	1.14	29.7	41-UN-SD13-06	3/42
Sodium	MG/KG	46.7 UJ	105 U	29.8	1480	41-TC-SD09-612	23/42
Thallium	MG/KG	0.42 U	2.3 U	1.19 J	1.19 J	41-UN-SD04-612	1/42
Vanadium	MG/KG	2.2 U	7.28 U	3.5	30	41-UN-SD25	12/42
Zinc	MG/KG	2.62 U	15.2 U	5.5	155	41-UN-SD25	25/42

APPENDIX O.18
**SITE 74 FORMER DISPOSAL/POTENTIAL DISPOSAL/
FORMER PEST CONTROL AREA SURFACE SOIL ORGANICS**

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 74)
 FORMER DISPOSAL / POTENTIAL DISPOSAL / FORMER PEST CONTROL AREA SURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	74-FDA-SB01-00	74-FDA-SB02-00	74-FDA-SB03-00	74-FDA-SB04-00	74-FDA-SB05-00	74-FDA-SB06-00
Laboratory Sample ID:	9401109-01	9401109-04	9401108-01	9401108-10	9401108-13	9401116-01A
Date Sampled:			01/19/94	01/20/94	01/20/94	
Percent Solids	85.4	78.5	86.0	83.9	88.0	82.6
SEMIVOLATILES						
1,2-Dichlorobenzene	UG/KG	389 U	419 U	384.0 U	393.0 U	375.0 U
1,2,4-Trichlorobenzene	UG/KG	389 U	419 U	384.0 U	393.0 U	375.0 U
1,3-Dichlorobenzene	UG/KG	389 U	419 U	384.0 U	393.0 U	375.0 U
1,4-Dichlorobenzene	UG/KG	389 U	419 U	384.0 U	393.0 U	375.0 U
2-Chloronaphthalene	UG/KG	389 U	419 U	384.0 U	393.0 U	375.0 U
2-Chlorophenol	UG/KG	389 U	419 U	384.0 U	393.0 U	375.0 U
2-Methylnaphthalene	UG/KG	389 U	419 U	384.0 U	393.0 U	375.0 U
2-Methylphenol	UG/KG	389 U	419 U	384.0 U	393.0 U	375.0 U
2-Nitroaniline	UG/KG	944 U	1020 U	930.0 U	952.0 U	909.0 U
2-Nitrophenol	UG/KG	389 U	419 U	384.0 U	393.0 U	375.0 U
2,2-oxybis-(1-chloropropane)	UG/KG	389 U	419 U	384.0 U	393.0 U	375.0 U
2,4-Dichlorophenol	UG/KG	389 U	419 U	384.0 U	393.0 U	375.0 U
2,4-Dimethylphenol	UG/KG	389 U	419 U	384.0 U	393.0 U	375.0 U
2,4-Dinitrophenol	UG/KG	944 UJ	1020 UJ	930.0 U	952.0 U	909.0 UJ
2,4-Dinitrotoluene	UG/KG	389 U	419 U	384.0 U	393.0 U	375.0 U
2,4,5-Trichlorophenol	UG/KG	944 U	1020 U	930.0 U	952.0 U	909.0 U
2,4,6-Trichlorophenol	UG/KG	389 U	419 U	384.0 U	393.0 U	375.0 U
2,6-Dinitrotoluene	UG/KG	389 U	419 U	384.0 U	393.0 U	375.0 U
3-Nitroaniline	UG/KG	944 U	1020 U	930.0 U	952.0 U	909.0 U
3,3'-Dichlorobenzidine	UG/KG	389 U	419 U	384.0 U	393.0 U	375.0 U
4-Bromophenyl-phenylether	UG/KG	389 U	419 U	384.0 U	393.0 U	375.0 U
4-Chloro-3-methylphenol	UG/KG	389 U	419 U	384.0 U	393.0 U	375.0 U
4-Chloroaniline	UG/KG	389 U	419 U	384.0 U	393.0 U	375.0 U
4-Chlorophenyl phenyl ether	UG/KG	389 U	419 U	384.0 U	393.0 U	375.0 U
4-Methylphenol	UG/KG	389 U	419 U	384.0 U	393.0 U	375.0 U
4-Nitroaniline	UG/KG	944 U	1020 U	930.0 U	952.0 U	909.0 U
4-Nitrophenol	UG/KG	944 UJ	1020 UJ	930.0 U	952.0 U	909.0 UJ
4,6-Dinitro-2-methylphenol	UG/KG	944 U	1020 U	930.0 U	952.0 U	909.0 U
Acenaphthene	UG/KG	389 U	419 U	384.0 U	393.0 U	375.0 U
Acenaphthylene	UG/KG	389 U	419 U	384.0 U	393.0 U	375.0 U
Anthracene	UG/KG	389 U	419 U	384.0 U	393.0 U	375.0 U
Benzo[a]anthracene	UG/KG	389 U	419 U	384.0 U	393.0 U	375.0 U
Benzo[a]pyrene	UG/KG	389 U	419 U	384.0 U	393.0 U	375.0 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 74)
 FORMER DISPOSAL / POTENTIAL DISPOSAL / FORMER PEST CONTROL AREA SURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	74-FDA-SB01-00	74-FDA-SB02-00	74-FDA-SB03-00	74-FDA-SB04-00	74-FDA-SB05-00	74-FDA-SB06-00
Laboratory Sample ID:	9401109-01	9401109-04	9401108-01	9401108-10	9401108-13	9401116-01A
Date Sampled:			01/19/94	01/20/94	01/20/94	
Percent Solids	85.4	78.5	86.0	83.9	88.0	82.6

SEMIVOLATILES Cont.

Benzo[b]fluoranthene	UG/KG	389 U	419 U	384.0 U	393.0 U	375.0 U	396 U
Benzo[g,h,i]perylene	UG/KG	389 U	419 U	384.0 U	393.0 U	375.0 U	396 U
Benzo[k]fluoranthene	UG/KG	389 U	419 U	384.0 U	393.0 U	375.0 U	396 U
bis(2-Chloroethoxy) methane	UG/KG	389 U	419 U	384.0 U	393.0 U	375.0 U	396 U
bis(2-Chloroethyl) ether	UG/KG	389 U	180 J	384.0 U	48.0 J	375.0 U	396 U
bis(2-Ethylhexyl)phthalate	UG/KG	389 U	419 U	384.0 U	393.0 U	375.0 U	396 U
Butyl benzyl phthalate	UG/KG	389 U	419 U	384.0 U	393.0 U	375.0 U	396 U
Carbazole	UG/KG	389 U	419 U	384.0 U	393.0 U	375.0 U	396 U
Chrysene	UG/KG	389 U	419 U	384.0 U	393.0 U	375.0 U	396 U
Dibenzofuran	UG/KG	389 U	419 U	384.0 U	393.0 U	375.0 U	396 U
Dibenz[a,h]anthracene	UG/KG	389 U	419 U	384.0 U	393.0 U	375.0 U	396 U
Diethylphthalate	UG/KG	389 U	419 U	384.0 U	393.0 U	375.0 U	396 U
Dimethyl phthalate	UG/KG	389 U	419 U	384.0 U	393.0 U	375.0 U	396 U
di-n-Butylphthalate	UG/KG	389 U	419 U	75.0 J	85.0 J	375.0 U	400 U
di-n-Octylphthalate	UG/KG	389 U	419 U	384.0 U	393.0 U	375.0 U	396 U
Fluoranthene	UG/KG	389 U	419 U	384.0 U	393.0 U	375.0 U	396 U
Fluorene	UG/KG	389 U	419 U	384.0 U	393.0 U	375.0 U	396 U
Hexachlorobenzene	UG/KG	389 U	419 U	384.0 U	393.0 U	375.0 U	396 U
Hexachlorobutadiene	UG/KG	389 U	419 U	384.0 U	393.0 U	375.0 U	396 U
Hexachlorocyclopentadiene	UG/KG	389 U	419 U	384.0 U	393.0 U	375.0 U	396 U
Hexachloroethane	UG/KG	389 U	419 U	384.0 U	393.0 U	375.0 U	396 U
Indeno[1,2,3-cd]pyrene	UG/KG	389 U	419 U	384.0 U	393.0 U	375.0 U	396 U
Isophorone	UG/KG	389 U	419 U	384.0 U	393.0 U	375.0 U	396 U
Naphthalene	UG/KG	389 U	419 U	384.0 U	393.0 U	375.0 U	396 U
Nitrobenzene	UG/KG	389 U	419 U	384.0 U	393.0 U	375.0 U	396 U
N-Nitroso-di-n-propylamine	UG/KG	389 U	419 U	384.0 U	393.0 U	375.0 U	396 U
N-nitrosodiphenylamine	UG/KG	389 U	419 U	384.0 U	393.0 U	375.0 U	396 U
Pentachlorophenol	UG/KG	944 U	1020 U	930.0 U	952.0 U	909.0 U	960 U
Phenanthrene	UG/KG	389 U	419 U	384.0 U	393.0 U	375.0 U	396 U
Phenol	UG/KG	389 U	419 U	384.0 U	393.0 U	375.0 U	396 U
Pyrene	UG/KG	389 U	419 U	384.0 U	393.0 U	375.0 U	396 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 74)
 FORMER DISPOSAL / POTENTIAL DISPOSAL / FORMER PEST CONTROL AREA SURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	74-FDA-SB01-00	74-FDA-SB02-00	74-FDA-SB03-00	74-FDA-SB04-00	74-FDA-SB05-00	74-FDA-SB06-00
Laboratory Sample ID:	9401109-01	9401109-04	9401108-01	9401108-10	9401108-13	9401116-01A
Date Sampled:			01/19/94	01/20/94	01/20/94	
Percent Solids	85.4	78.5	86.0	83.9	88.0	82.6
VOLATILES						
Chloromethane	UG/KG	12 UJ	13 UJ	11.6 UJ	11.9 UJ	11.4 UJ
Bromomethane	UG/KG	12 UJ	13 UJ	11.6 UJ	11.9 UJ	11.4 UJ
Vinyl chloride	UG/KG	12 UJ	13 UJ	11.6 UJ	11.9 UJ	11.4 UJ
Chloroethane	UG/KG	12 UJ	13 UJ	11.6 UJ	11.9 UJ	11.4 UJ
Methylene chloride	UG/KG	11 UJ	18 UJ	12.0 UJ	8.00 J	16.0 J
Acetone	UG/KG	5 UJ	13 UJ	12.0 UJ	27.0 J	210.0 J
Carbon Disulfide	UG/KG	12 UJ	13 UJ	11.6 UJ	11.9 UJ	11.4 UJ
1,1-Dichloroethene	UG/KG	12 UJ	13 UJ	11.6 UJ	11.9 UJ	11.4 UJ
1,1-Dichloroethane	UG/KG	12 UJ	13 UJ	11.6 UJ	11.9 UJ	11.4 UJ
1,2-Dichloroethene(total)	UG/KG	12 UJ	13 UJ	11.6 UJ	11.9 UJ	11.4 UJ
Chloroform	UG/KG	12 UJ	13 UJ	11.6 UJ	11.9 UJ	11.4 UJ
1,2-Dichloroethane	UG/KG	12 UJ	13 UJ	11.6 UJ	11.9 UJ	11.4 UJ
2-Butanone	UG/KG	12 UJ	13 UJ	11.6 UJ	11.9 UJ	11.4 UJ
1,1,1-Trichloroethane	UG/KG	12 UJ	13 UJ	11.6 U	11.9 UJ	11.4 UJ
Carbon tetrachloride	UG/KG	12 UJ	13 UJ	11.6 U	11.9 UJ	11.4 UJ
Bromodichloromethane	UG/KG	12 UJ	13 UJ	11.6 U	11.9 UJ	11.4 UJ
1,2-Dichloropropane	UG/KG	12 UJ	13 UJ	11.6 U	11.9 UJ	11.4 UJ
cis-1,3-Dichloropropene	UG/KG	12 UJ	13 UJ	11.6 U	11.9 UJ	11.4 UJ
Trichloroethene	UG/KG	12 UJ	13 UJ	11.6 U	11.9 UJ	11.4 UJ
Dibromochloromethane	UG/KG	12 UJ	13 UJ	11.6 U	11.9 UJ	11.4 UJ
1,1,2-Trichloroethane	UG/KG	12 UJ	13 UJ	11.6 U	11.9 UJ	11.4 UJ
Benzene	UG/KG	12 UJ	13 UJ	11.6 U	11.9 UJ	11.4 UJ
trans-1,3-Dichloropropene	UG/KG	12 UJ	13 UJ	11.6 U	11.9 UJ	11.4 UJ
Bromoform	UG/KG	12 UJ	13 UJ	11.6 U	11.9 UJ	11.4 UJ
4-Methyl-2-pentanone	UG/KG	12 UJ	13 UJ	11.6 UJ	11.9 UJ	11.4 UJ
2-Hexanone	UG/KG	12 R	13 R	11.6 UJ	11.9 R	11.4 UJ
Tetrachloroethene	UG/KG	12 UJ	13 UJ	11.6 UJ	11.9 UJ	11.4 UJ
1,1,2,2-Tetrachloroethane	UG/KG	12 UJ	13 UJ	11.6 UJ	11.9 UJ	11.4 UJ
Toluene	UG/KG	12 UJ	13 UJ	11.6 UJ	11.9 UJ	11.4 UJ
Chlorobenzene	UG/KG	12 UJ	13 UJ	11.6 UJ	11.9 UJ	11.4 UJ
Ethylbenzene	UG/KG	12 UJ	13 UJ	11.6 UJ	11.9 UJ	11.00 UJ
Styrene	UG/KG	12 UJ	13 UJ	11.6 UJ	11.9 UJ	11.4 UJ
Xylenes (total)	UG/KG	12 UJ	13 UJ	11.6 UJ	11.9 UJ	6.00 J

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 74)
 FORMER DISPOSAL / POTENTIAL DISPOSAL / FORMER PEST CONTROL AREA SURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	74-FDA-SB01-00	74-FDA-SB02-00	74-FDA-SB03-00	74-FDA-SB04-00	74-FDA-SB05-00	74-FDA-SB06-00	
Laboratory Sample ID:	9401109-01	9401109-04	9401108-01	9401108-10	9401108-13	9401116-01A	
Date Sampled:			01/19/94	01/20/94	01/20/94		
Percent Solids	85.4	78.5	86.0	83.9	88.0	82.6	
PESTICIDE/PCBS							
alpha-BHC	UG/KG	2 UJ	2.18 UJ	1.98 UJ	2.02 UJ	1.93 UJ	2.04 UJ
beta-BHC	UG/KG	2 U	2.18 U	1.98 UJ	2.02 UJ	1.93 UJ	2.04 UJ
delta-BHC	UG/KG	2 UJ	2.18 UJ	1.98 UJ	2.02 UJ	1.93 UJ	2.04 UJ
Lindane (gamma-BHC)	UG/KG	2 U	2.18 U	1.98 UJ	2.02 UJ	1.93 UJ	2.04 UJ
Heptachlor	UG/KG	2 U	2.18 U	1.98 UJ	2.02 UJ	1.93 UJ	2.04 UJ
Aldrin	UG/KG	2 U	2.18 U	1.98 UJ	0.41 NJ	1.93 UJ	2.04 UJ
Heptachlor epoxide	UG/KG	2 U	2.18 U	1.98 UJ	2.02 UJ	1.93 UJ	2.04 UJ
Endosulfan I	UG/KG	2 U	2.18 U	1.98 UJ	2.02 UJ	1.93 UJ	2.04 UJ
Dieldrin	UG/KG	3.88 U	4.23 U	3.84 UJ	3.93 UJ	3.75 UJ	3.96 UJ
4,4'-DDE	UG/KG	2.45 J	2.85 J	3.84 UJ	4.79 J	3.75 UJ	0.31 J
Endrin	UG/KG	3.88 U	4.23 U	3.84 UJ	3.93 UJ	3.75 UJ	3.96 UJ
Endosulfan II	UG/KG	3.88 U	4.23 U	3.84 UJ	3.93 UJ	3.75 UJ	3.96 UJ
4,4'-DDD	UG/KG	3.88 U	4.23 U	3.84 UJ	2.44 J	3.75 UJ	3.96 UJ
Endosulfan sulfate	UG/KG	3.88 U	4.23 U	3.84 UJ	3.93 UJ	3.75 UJ	3.96 UJ
4,4'-DDT	UG/KG	3.88 U	4.87 J	3.84 UJ	3.46 J	1.96 J	3.96 UJ
Methoxychlor	UG/KG	20 U	21.8 U	19.8 UJ	20.2 UJ	19.3 UJ	20.4 UJ
Endrin ketone	UG/KG	3.88 U	4.23 U	3.84 UJ	3.93 UJ	3.75 UJ	3.96 UJ
Endrin aldehyde	UG/KG	3.88 U	4.23 U	3.84 UJ	3.93 UJ	3.75 UJ	3.96 UJ
alpha-Chlordane	UG/KG	2 U	2.18 U	1.98 UJ	2.02 UJ	1.93 UJ	2.04 UJ
gamma-Chlordane	UG/KG	2 U	2.18 U	1.98 UJ	2.02 UJ	1.93 UJ	2.04 UJ
Toxaphene	UG/KG	200 U	218 U	198.0 UJ	202.0 UJ	193.0 UJ	204 UJ
Aroclor 1016	UG/KG	38.8 U	42.3 U	38.4 UJ	39.3 UJ	37.5 UJ	39.6 UJ
Aroclor 1221	UG/KG	78.8 U	85.9 U	77.9 UJ	79.8 UJ	76.1 UJ	80.4 UJ
Aroclor 1232	UG/KG	38.8 U	42.3 U	38.4 UJ	39.3 UJ	37.5 UJ	39.6 UJ
Aroclor 1242	UG/KG	38.8 U	42.3 U	38.4 UJ	39.3 UJ	37.5 UJ	39.6 UJ
Aroclor 1248	UG/KG	38.8 U	42.3 U	38.4 UJ	39.3 UJ	37.5 UJ	39.6 UJ
Aroclor 1254	UG/KG	38.8 U	42.3 U	38.4 UJ	39.3 UJ	37.5 UJ	39.6 UJ
Aroclor 1260	UG/KG	38.8 U	42.3 U	38.4 UJ	39.3 UJ	37.5 UJ	39.6 UJ

FREQUENCY OF DETECTION SUMMARY
OPERABLE UNIT NO. 4 (SITE 74)
FORMER DISPOSAL / POTENTIAL DISPOSAL / FORMER PEST CONTROL AREA SURFACE SOIL
MCB CAMP LEJEUNE, NORTH CAROLINA
REMEDIAL INVESTIGATION - CTO-0212
ORGANICS

Client Sample ID:	74-FDA-SB01-00	74-FDA-SB02-00	74-FDA-SB03-00	74-FDA-SB04-00	74-FDA-SB05-00	74-FDA-SB06-00
Laboratory Sample ID:	9401109-01	9401109-04	9401108-01	9401108-10	9401108-13	9401116-01A
Date Sampled:			01/19/94	01/20/94	01/20/94	
Percent Solids	85.4	78.5	86.0	83.9	88.0	82.6
CHEMICAL SURETY						
Acetophenone	UG/KG	389 U	419 U	384.0 U	393.0 U	375.0 U
Chloroacetophenone	UG/KG	389 U	419 U	384.0 U	393.0 U	375.0 U
Hydroxyacetophenone	UG/KG	1950 U	2100 U	1920.0 U	1960.0 U	1870.0 U
Bis(2'-chloroethyl)disulfide	UG/KG	1950 U	2100 U	1920.0 U	1960.0 U	1870.0 U
Bis(2'-chloroethyl)trisulfide	UG/KG	1950 U	2100 U	1920.0 U	1960.0 U	1870.0 U
1,4-Dithiane	UG/KG	389 U	419 U	384.0 U	393.0 U	375.0 U
1,4-Oxathiane	UG/KG	389 U	419 U	384.0 U	393.0 U	375.0 U
THIODIGLYCOL						
Thiodiglycol	MG/KG	7.31 U	7.94 U	7.25 R	7.44 R	7.12 R

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 74)
 FORMER DISPOSAL / POTENTIAL DISPOSAL / FORMER PEST CONTROL AREA SURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	74-FDA-SB07-00	74-FDA-SB08-00	74-FDA-SB09-00	74-FDA-SB10-00	74-FDA-SB11-00	74-FDA-SB12-00
Laboratory Sample ID:	9401116-05A	9401116-08A	9401116-11A	9401116-14A	9401121-01A	9401121-05A
Date Sampled:						
Percent Solids	89.2	84.4	83	82.7	90.1	84.3
SEMIVOLATILES						
1,2-Dichlorobenzene	UG/KG	370 U	393 U	396 U	396 U	396 U
1,2,4-Trichlorobenzene	UG/KG	370 U	393 U	396 U	396 U	396 U
1,3-Dichlorobenzene	UG/KG	370 U	393 U	396 U	396 U	396 U
1,4-Dichlorobenzene	UG/KG	370 U	393 U	396 U	396 U	396 U
2-Chloronaphthalene	UG/KG	370 U	393 U	396 U	396 U	396 U
2-Chlorophenol	UG/KG	370 U	393 U	396 U	396 U	396 U
2-Methylnaphthalene	UG/KG	370 U	393 U	396 U	396 U	396 U
2-Methylphenol	UG/KG	370 U	393 U	396 U	396 U	396 U
2-Nitroaniline	UG/KG	896 U	952 U	960 U	960 U	960 U
2-Nitrophenol	UG/KG	370 U	393 U	396 U	396 U	396 U
2,2'-oxybis-(1-chloropropane)	UG/KG	370 U	393 U	396 U	396 U	396 U
2,4-Dichlorophenol	UG/KG	370 U	393 U	396 U	396 U	396 U
2,4-Dimethylphenol	UG/KG	370 U	393 U	396 U	396 U	396 U
2,4-Dinitrophenol	UG/KG	896 U	952 U	960 U	960 U	960 U
2,4-Dinitrotoluene	UG/KG	370 U	393 U	396 U	396 U	396 U
2,4,5-Trichlorophenol	UG/KG	896 U	952 U	960 U	960 U	960 U
2,4,6-Trichlorophenol	UG/KG	370 U	393 U	396 U	396 U	396 U
2,6-Dinitrotoluene	UG/KG	370 U	393 U	396 U	396 U	396 U
3-Nitroaniline	UG/KG	896 U	952 U	960 U	960 U	960 U
3,3'-Dichlorobenzidine	UG/KG	370 U	393 U	396 U	396 U	396 U
4-Bromophenyl-phenylether	UG/KG	370 U	393 U	396 U	396 U	396 U
4-Chloro-3-methylphenol	UG/KG	370 U	393 U	396 U	396 U	396 U
4-Chloroaniline	UG/KG	370 U	393 U	396 U	396 U	396 U
4-Chlorophenyl phenyl ether	UG/KG	370 U	393 U	396 U	396 U	396 U
4-Methylphenol	UG/KG	370 U	393 U	396 U	396 U	396 U
4-Nitroaniline	UG/KG	896 U	952 U	960 U	960 U	960 U
4-Nitrophenol	UG/KG	896 U	952 U	960 U	960 U	960 U
4,6-Dinitro-2-methylphenol	UG/KG	896 U	952 U	960 U	960 U	960 U
Acenaphthene	UG/KG	370 U	393 U	396 U	396 U	396 U
Acenaphthylene	UG/KG	370 U	393 U	396 U	396 U	396 U
Anthracene	UG/KG	370 U	393 U	396 U	396 U	396 U
Benzo[a]anthracene	UG/KG	370 U	393 U	396 U	396 U	396 U
Benzo[a]pyrene	UG/KG	370 U	393 U	396 U	396 U	396 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 74)
 FORMER DISPOSAL / POTENTIAL DISPOSAL / FORMER PEST CONTROL AREA SURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	74-FDA-SB07-00	74-FDA-SB08-00	74-FDA-SB09-00	74-FDA-SB10-00	74-FDA-SB11-00	74-FDA-SB12-00
Laboratory Sample ID:	9401116-05A	9401116-08A	9401116-11A	9401116-14A	9401121-01A	9401121-05A
Date Sampled:						
Percent Solids	89.2	84.4	83	82.7	90.1	84.3

<u>SEMIVOLATILES Cont.</u>						
Benzo[b]fluoranthene	UG/KG	370 U	393 U	396 U	396 U	396 U
Benzo[g,h,i]perylene	UG/KG	370 U	393 U	396 U	396 U	396 U
Benzo[k]fluoranthene	UG/KG	370 U	393 U	396 U	396 U	396 U
bis(2-Chloroethoxy) methane	UG/KG	370 U	393 U	396 U	396 U	396 U
bis(2-Chloroethyl) ether	UG/KG	370 U	393 U	51 J	396 U	396 U
bis(2-Ethylhexyl)phthalate	UG/KG	370 U	393 U	396 U	396 U	396 U
Butyl benzyl phthalate	UG/KG	370 U	393 U	396 U	396 U	396 U
Carbazole	UG/KG	370 U	393 U	396 U	396 U	396 U
Chrysene	UG/KG	370 U	393 U	396 U	396 U	396 U
Dibenzofuran	UG/KG	370 U	393 U	396 U	396 U	396 U
Dibenz[a,h]anthracene	UG/KG	370 U	393 U	396 U	396 U	396 U
Diethylphthalate	UG/KG	370 U	393 U	396 U	396 U	396 U
Dimethyl phthalate	UG/KG	370 U	393 U	396 U	396 U	396 U
di-n-Butylphthalate	UG/KG	370 U	390 U	400 U	400 U	400 U
di-n-Octylphthalate	UG/KG	370 U	393 U	396 U	396 U	396 U
Fluoranthene	UG/KG	370 U	393 U	396 U	396 U	396 U
Fluorene	UG/KG	370 U	393 U	396 U	396 U	396 U
Hexachlorobenzene	UG/KG	370 U	393 U	396 U	396 U	396 U
Hexachlorobutadiene	UG/KG	370 U	393 U	396 U	396 U	396 U
Hexachlorocyclopentadiene	UG/KG	370 U	393 U	396 U	396 U	396 U
Hexachloroethane	UG/KG	370 U	393 U	396 U	396 U	396 U
Indeno[1,2,3-cd]pyrene	UG/KG	370 U	393 U	396 U	396 U	396 U
Isophorone	UG/KG	370 U	393 U	396 U	396 U	396 U
Naphthalene	UG/KG	370 U	393 U	396 U	396 U	396 U
Nitrobenzene	UG/KG	370 U	393 U	396 U	396 U	396 U
N-Nitroso-di-n-propylamine	UG/KG	370 U	393 U	396 U	396 U	396 U
N-nitrosodiphenylamine	UG/KG	370 U	393 U	396 U	396 U	396 U
Pentachlorophenol	UG/KG	896 U	952 U	960 U	960 U	960 U
Phenanthrene	UG/KG	370 U	393 U	396 U	396 U	396 U
Phenol	UG/KG	370 U	393 U	396 U	396 U	396 U
Pyrene	UG/KG	370 U	393 U	396 U	396 U	396 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 74)
 FORMER DISPOSAL / POTENTIAL DISPOSAL / FORMER PEST CONTROL AREA SURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	74-FDA-SB07-00	74-FDA-SB08-00	74-FDA-SB09-00	74-FDA-SB10-00	74-FDA-SB11-00	74-FDA-SB12-00
Laboratory Sample ID:	9401116-05A	9401116-08A	9401116-11A	9401116-14A	9401121-01A	9401121-05A
Date Sampled:						
Percent Solids	89.2	84.4	83	82.7	90.1	84.3
<u>VOLATILES</u>						
Chloromethane	UG/KG	11.2 UJ	11.9 U	12 UJ	12 U	11.1 U
Bromomethane	UG/KG	11.2 UJ	11.9 U	12 UJ	12 U	11.1 U
Vinyl chloride	UG/KG	11.2 UJ	11.9 U	12 UJ	12 U	11.1 U
Chloroethane	UG/KG	11.2 UJ	11.9 U	12 UJ	12 U	11.1 U
Methylene chloride	UG/KG	11 UJ	14 UJ	19 UJ	17 U	4 J
Acetone	UG/KG	110 J	46 J	12 UJ	33 J	11.1 UJ
Carbon Disulfide	UG/KG	11.2 UJ	11.9 UJ	12 UJ	12 U	11.1 U
1,1-Dichloroethene	UG/KG	11.2 UJ	11.9 UJ	12 UJ	12 U	11.1 U
1,1-Dichloroethane	UG/KG	11.2 UJ	11.9 UJ	12 UJ	12 U	11.1 U
1,2-Dichloroethene(total)	UG/KG	11.2 UJ	11.9 UJ	12 UJ	12 U	11.1 U
Chloroform	UG/KG	11.2 UJ	11.9 UJ	12 UJ	12 U	11.1 U
1,2-Dichloroethane	UG/KG	11.2 UJ	11.9 UJ	12 UJ	12 U	11.1 U
2-Butanone	UG/KG	11.2 UJ	11.9 UJ	12 UJ	12 U	11.1 U
1,1,1-Trichloroethane	UG/KG	11.2 U	11.9 UJ	12 UJ	12 U	11.1 U
Carbon tetrachloride	UG/KG	11.2 U	11.9 UJ	12 UJ	12 U	11.1 U
Bromodichloromethane	UG/KG	11.2 U	11.9 UJ	12 UJ	12 U	11.1 U
1,2-Dichloropropane	UG/KG	11.2 U	11.9 UJ	12 UJ	12 U	11.1 U
cis-1,3-Dichloropropene	UG/KG	11.2 U	11.9 UJ	12 UJ	12 U	11.1 U
Trichloroethene	UG/KG	11.2 U	11.9 UJ	12 UJ	12 U	4 J
Dibromochloromethane	UG/KG	11.2 U	11.9 UJ	12 UJ	12 U	11.1 U
1,1,2-Trichloroethane	UG/KG	11.2 U	11.9 UJ	12 UJ	12 U	11.1 U
Benzene	UG/KG	11.2 U	11.9 UJ	12 UJ	12 U	11.1 U
trans-1,3-Dichloropropene	UG/KG	11.2 U	11.9 UJ	12 UJ	12 U	11.1 U
Bromoform	UG/KG	11.2 U	11.9 UJ	12 UJ	12 U	11.1 U
4-Methyl-2-pentanone	UG/KG	11.2 UJ	11.9 UJ	12 UJ	12 UJ	11.1 U
2-Hexanone	UG/KG	11.2 UJ	11.9 UJ	12 UJ	12 UJ	11.1 U
Tetrachloroethene	UG/KG	11.2 UJ	11.9 UJ	12 UJ	12 UJ	11.1 U
1,1,2,2-Tetrachloroethane	UG/KG	11.2 UJ	11.9 UJ	12 UJ	12 UJ	11.1 U
Toluene	UG/KG	11.2 UJ	11.9 UJ	12 UJ	12 UJ	11.1 U
Chlorobenzene	UG/KG	11.2 UJ	11.9 UJ	12 UJ	12 UJ	11.1 U
Ethylbenzene	UG/KG	11.2 UJ	11.9 UJ	12 UJ	12 UJ	11.1 U
Styrene	UG/KG	11.2 UJ	11.9 UJ	12 UJ	12 UJ	11.1 U
Xylenes (total)	UG/KG	11.2 UJ	11.9 UJ	12 UJ	12 UJ	11.1 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 74)
 FORMER DISPOSAL / POTENTIAL DISPOSAL / FORMER PEST CONTROL AREA SURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	74-FDA-SB07-00	74-FDA-SB08-00	74-FDA-SB09-00	74-FDA-SB10-00	74-FDA-SB11-00	74-FDA-SB12-00
Laboratory Sample ID:	9401116-05A	9401116-08A	9401116-11A	9401116-14A	9401121-01A	9401121-05A
Date Sampled:						
Percent Solids	89.2	84.4	83	82.7	90.1	84.3
<u>PESTICIDE/PCBS</u>						
alpha-BHC	UG/KG	1.9 UJ	2.02 UJ	2.04 UJ	2.04 UJ	1.89 UJ
beta-BHC	UG/KG	1.9 UJ	2.02 UJ	2.04 UJ	2.04 UJ	1.89 U
delta-BHC	UG/KG	1.9 UJ	2.02 UJ	2.04 UJ	2.04 UJ	1.89 UJ
Lindane (gamma-BHC)	UG/KG	1.9 UJ	2.02 UJ	2.04 UJ	2.04 UJ	1.89 U
Heptachlor	UG/KG	1.9 UJ	2.02 UJ	2.04 UJ	2.04 UJ	1.89 U
Aldrin	UG/KG	1.9 UJ	2.02 UJ	2.04 UJ	2.04 UJ	1.89 U
Heptachlor epoxide	UG/KG	1.9 UJ	2.02 UJ	2.04 UJ	2.04 UJ	1.89 U
Endosulfan I	UG/KG	1.9 UJ	2.02 UJ	2.04 UJ	2.04 UJ	1.89 U
Dieldrin	UG/KG	3.7 UJ	3.93 UJ	3.96 UJ	3.96 UJ	3.66 U
4,4'-DDE	UG/KG	0.57 J	30.2 J	3.96 UJ	3.96 UJ	3.66 U
Endrin	UG/KG	3.7 UJ	3.93 UJ	3.96 UJ	3.96 UJ	3.66 U
Endosulfan II	UG/KG	3.7 UJ	3.93 UJ	3.96 UJ	3.96 UJ	3.66 U
4,4'-DDD	UG/KG	3.7 UJ	13.3 J	3.96 UJ	3.96 UJ	2.53 J
Endosulfan sulfate	UG/KG	3.7 UJ	3.93 UJ	3.96 UJ	3.96 UJ	3.66 U
4,4'-DDT	UG/KG	3.7 UJ	24.3 J	3.96 UJ	3.96 UJ	3.66 U
Methoxychlor	UG/KG	19 UJ	20.2 UJ	20.4 UJ	20.4 UJ	18.9 U
Endrin ketone	UG/KG	3.7 UJ	3.93 UJ	3.96 UJ	3.96 UJ	3.66 U
Endrin aldehyde	UG/KG	3.7 UJ	3.93 UJ	3.96 UJ	3.96 UJ	3.66 U
alpha-Chlordane	UG/KG	1.9 UJ	2.02 UJ	2.04 UJ	2.04 UJ	1.89 U
gamma-Chlordane	UG/KG	1.9 UJ	2.02 UJ	2.04 UJ	2.04 UJ	1.89 U
Toxaphene	UG/KG	190 UJ	202 UJ	204 UJ	204 UJ	189 U
Aroclor 1016	UG/KG	37 UJ	39.3 UJ	39.6 UJ	39.6 UJ	36.6 U
Aroclor 1221	UG/KG	75 UJ	79.7 UJ	80.4 UJ	80.4 UJ	74.4 U
Aroclor 1232	UG/KG	37 UJ	39.3 UJ	39.6 UJ	39.6 UJ	36.6 U
Aroclor 1242	UG/KG	37 UJ	39.3 UJ	39.6 UJ	39.6 UJ	36.6 U
Aroclor 1248	UG/KG	37 UJ	39.3 UJ	39.6 UJ	39.6 UJ	36.6 U
Aroclor 1254	UG/KG	37 UJ	39.3 UJ	39.6 UJ	39.6 UJ	36.6 U
Aroclor 1260	UG/KG	37 UJ	39.3 UJ	39.6 UJ	39.6 UJ	36.6 U

FREQUENCY OF DETECTION SUMMARY
OPERABLE UNIT NO. 4 (SITE 74)
FORMER DISPOSAL / POTENTIAL DISPOSAL / FORMER PEST CONTROL AREA SURFACE SOIL
MCB CAMP LEJEUNE, NORTH CAROLINA
REMEDIAL INVESTIGATION - CTO-0212
ORGANICS

Client Sample ID:	74-FDA-SB07-00	74-FDA-SB08-00	74-FDA-SB09-00	74-FDA-SB10-00	74-FDA-SB11-00	74-FDA-SB12-00	
Laboratory Sample ID:	9401116-05A	9401116-08A	9401116-11A	9401116-14A	9401121-01A	9401121-05A	
Date Sampled:							
Percent Solids	89.2	84.4	83	82.7	90.1	84.3	
<u>CHEMICAL SURETY</u>							
Acetophenone	UG/KG	370 U	393 U	396 U	396 U	367 U	396 U
Chloroacetophenone	UG/KG	370 U	393 U	396 U	396 U	367 U	396 U
Hydroxyacetophenone	UG/KG	1850 U	1960 U	1980 U	1980 U	1830 U	1980 U
Bis(2'-chloroethyl)disulfide	UG/KG	1850 U	1960 U	1980 U	1980 U	1830 U	1980 U
Bis(2'-chloroethyl)trisulfide	UG/KG	1850 U	1960 U	1980 U	1980 U	1830 U	1980 U
1,4-Dithiane	UG/KG	370 U	393 U	396 U	396 U	367 U	396 U
1,4-Oxathiane	UG/KG	370 U	393 U	396 U	396 U	367 U	396 U
<u>THIODIGLYCOL</u>							
Thiodiglycol	MG/KG	7 U	7.38 U	7.5 U	7.56 U	6.94 R	7.44 U

FREQUENCY OF DETECTION SUMMARY
OPERABLE UNIT NO. 4 (SITE 74)
FORMER DISPOSAL / POTENTIAL DISPOSAL / FORMER PEST CONTROL AREA SURFACE SOIL
MCB CAMP LEJEUNE, NORTH CAROLINA
REMEDIAL INVESTIGATION - CTO-0212
ORGANICS

Client Sample ID:	74-FDA-SB13-00	74-FDA-SB14-00	74-FDA-SB15-00	74-FDA-SB16-00	74-FDA-SB17-00	74-FDA-SB18-00
Laboratory Sample ID:	9401121-08A	9401121-11A	9401132-02	9401132-05	9401132-08	9401132-11
Date Sampled:						
Percent Solids	87.5	81	89.4	88.4	81.6	83.5
SEMIVOLATILES						
1,2-Dichlorobenzene	UG/KG	375 U	408 U	370 U	376 U	403 U
1,2,4-Trichlorobenzene	UG/KG	375 U	408 U	370 U	376 U	403 U
1,3-Dichlorobenzene	UG/KG	375 U	408 U	370 U	376 U	403 U
1,4-Dichlorobenzene	UG/KG	375 U	408 U	370 U	376 U	403 U
2-Chloronaphthalene	UG/KG	375 U	408 U	370 U	376 U	403 U
2-Chlorophenol	UG/KG	375 U	408 U	370 U	376 U	403 U
2-Methylnaphthalene	UG/KG	375 U	408 U	370 U	376 U	403 U
2-Methylphenol	UG/KG	375 U	408 U	370 U	376 U	403 U
2-Nitroaniline	UG/KG	909 U	988 U	896 U	912 U	976 U
2-Nitrophenol	UG/KG	375 U	408 U	370 U	376 U	403 U
2,2'-oxybis-(1-chloropropane)	UG/KG	375 U	408 U	370 U	376 U	403 U
2,4-Dichlorophenol	UG/KG	375 U	408 U	370 U	376 U	403 U
2,4-Dimethylphenol	UG/KG	375 U	408 U	370 U	376 U	403 U
2,4-Dinitrophenol	UG/KG	909 U	988 U	896 U	912 U	976 U
2,4-Dinitrotoluene	UG/KG	375 U	408 U	370 U	376 U	403 U
2,4,5-Trichlorophenol	UG/KG	909 U	988 U	896 U	912 U	976 U
2,4,6-Trichlorophenol	UG/KG	375 U	408 U	370 U	376 U	403 U
2,6-Dinitrotoluene	UG/KG	375 U	408 U	370 U	376 U	403 U
3-Nitroaniline	UG/KG	909 U	988 U	896 U	912 U	976 U
3,3'-Dichlorobenzidine	UG/KG	375 U	408 U	370 U	376 U	403 U
4-Bromophenyl-phenylether	UG/KG	375 U	408 U	370 U	376 U	403 U
4-Chloro-3-methylphenol	UG/KG	375 U	408 U	370 U	376 U	240 J
4-Chloroaniline	UG/KG	375 U	408 U	370 U	376 U	403 U
4-Chlorophenyl phenyl ether	UG/KG	375 U	408 U	370 U	376 U	403 U
4-Methylphenol	UG/KG	375 U	408 U	370 U	376 U	403 U
4-Nitroaniline	UG/KG	909 U	988 U	896 U	912 U	976 U
4-Nitrophenol	UG/KG	909 U	988 U	896 U	912 U	976 U
4,6-Dinitro-2-methylphenol	UG/KG	909 U	988 U	896 U	912 U	976 U
Acenaphthene	UG/KG	375 U	408 U	370 U	376 U	403 U
Acenaphthylene	UG/KG	375 U	408 U	370 U	376 U	403 U
Anthracene	UG/KG	375 U	408 U	370 U	376 U	403 U
Benzo[a]anthracene	UG/KG	375 U	408 U	370 U	376 U	403 U
Benzo[a]pyrene	UG/KG	375 U	408 U	370 U	376 U	403 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 74)
 FORMER DISPOSAL / POTENTIAL DISPOSAL / FORMER PEST CONTROL AREA SURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	74-FDA-SB13-00	74-FDA-SB14-00	74-FDA-SB15-00	74-FDA-SB16-00	74-FDA-SB17-00	74-FDA-SB18-00
Laboratory Sample ID:	9401121-08A	9401121-11A	9401132-02	9401132-05	9401132-08	9401132-11
Date Sampled:						
Percent Solids	87.5	81	89.4	88.4	81.6	83.5

SEMIVOLATILES Cont.

Benzo[b]fluoranthene	UG/KG	375 U	408 U	370 U	376 U	403 U	396 U
Benzo[g,h,i]perylene	UG/KG	375 U	408 U	370 U	376 U	403 U	396 U
Benzo[k]fluoranthene	UG/KG	375 U	408 U	370 U	376 U	403 U	396 U
bis(2-Chloroethoxy) methane	UG/KG	375 U	408 U	370 U	376 U	403 U	396 U
bis(2-Chloroethyl) ether	UG/KG	12 J	408 U	370 U	376 U	59 J	396 U
bis(2-Ethylhexyl)phthalate	UG/KG	375 U	240 J	370 U	376 U	403 U	396 U
Butyl benzyl phthalate	UG/KG	375 U	408 U	370 U	376 U	403 U	396 U
Carbazole	UG/KG	375 U	408 U	370 U	376 U	403 U	396 U
Chrysene	UG/KG	375 U	408 U	370 U	376 U	403 U	396 U
Dibenzofuran	UG/KG	375 U	408 U	370 U	376 U	403 U	396 U
Dibenz[a,h]anthracene	UG/KG	375 U	408 U	370 U	376 U	403 U	396 U
Diethylphthalate	UG/KG	375 U	408 U	370 U	376 U	403 U	396 U
Dimethyl phthalate	UG/KG	375 U	408 U	370 U	376 U	403 U	396 U
di-n-Butylphthalate	UG/KG	380 U	410 U	370 U	376 U	403 U	396 U
di-n-Octylphthalate	UG/KG	375 U	408 U	370 U	376 U	403 U	396 U
Fluoranthene	UG/KG	375 U	408 U	370 U	376 U	403 U	396 U
Fluorene	UG/KG	375 U	408 U	370 U	376 U	403 U	396 U
Hexachlorobenzene	UG/KG	375 U	408 U	370 U	376 U	403 U	396 U
Hexachlorobutadiene	UG/KG	375 U	408 U	370 U	376 U	403 U	396 U
Hexachlorocyclopentadiene	UG/KG	375 U	408 U	370 U	376 U	403 U	396 U
Hexachloroethane	UG/KG	375 U	408 U	370 U	376 U	403 U	396 U
Indeno[1,2,3-cd]pyrene	UG/KG	375 U	408 U	370 U	376 U	403 U	396 U
Isophorone	UG/KG	375 U	408 U	370 U	376 U	403 U	396 U
Naphthalene	UG/KG	375 U	408 U	370 U	376 U	403 U	396 U
Nitrobenzene	UG/KG	375 U	408 U	370 U	376 U	403 U	396 U
N-Nitroso-di-n-propylamine	UG/KG	375 U	408 U	370 U	376 U	403 U	396 U
N-nitrosodiphenylamine	UG/KG	375 U	408 U	370 U	376 U	403 U	396 U
Pentachlorophenol	UG/KG	909 U	988 U	896 U	912 U	976 U	960 U
Phenanthrene	UG/KG	375 U	408 U	370 U	376 U	403 U	396 U
Phenol	UG/KG	375 U	408 U	370 U	376 U	403 U	396 U
Pyrene	UG/KG	375 U	408 U	370 U	376 U	403 U	396 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 74)
 FORMER DISPOSAL / POTENTIAL DISPOSAL / FORMER PEST CONTROL AREA SURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	74-FDA-SB13-00	74-FDA-SB14-00	74-FDA-SB15-00	74-FDA-SB16-00	74-FDA-SB17-00	74-FDA-SB18-00
Laboratory Sample ID:	9401121-08A	9401121-11A	9401132-02	9401132-05	9401132-08	9401132-11
Date Sampled:						
Percent Solids	87.5	81	89.4	88.4	81.6	83.5
<u>VOLATILES</u>						
Chloromethane	UG/KG	11.4 U	12.4 U	11.2 U	11.4 U	12.2 U
Bromomethane	UG/KG	11.4 U	12.4 U	11.2 U	11.4 U	12.2 U
Vinyl chloride	UG/KG	11.4 U	12.4 U	11.2 U	11.4 U	12.2 U
Chloroethane	UG/KG	11.4 U	12.4 U	11.2 U	11.4 U	12.2 U
Methylene chloride	UG/KG	8 J	18	37 U	15 U	7 J
Acetone	UG/KG	11.4 UJ	12.4 U	11.2 UJ	23 UJ	23 J
Carbon Disulfide	UG/KG	11.4 U	12.4 U	11.2 U	11.4 U	12.2 U
1,1-Dichloroethene	UG/KG	11.4 U	12.4 U	11.2 U	11.4 U	12.2 U
1,1-Dichloroethane	UG/KG	11.4 U	12.4 U	11.2 U	11.4 U	12.2 U
1,2-Dichloroethene(total)	UG/KG	11.4 U	12.4 U	11.2 U	11.4 U	12.2 U
Chloroform	UG/KG	11.4 U	12.4 U	11.2 U	11.4 U	12.2 U
1,2-Dichloroethane	UG/KG	11.4 U	12.4 U	11.2 U	11.4 U	12.2 U
2-Butanone	UG/KG	11.4 U	12.4 U	11.2 U	11.4 U	12.2 U
1,1,1-Trichloroethane	UG/KG	11.4 U	12.4 U	11.2 U	11.4 U	12.2 UJ
Carbon tetrachloride	UG/KG	11.4 U	12.4 U	11.2 U	11.4 U	12.2 UJ
Bromodichloromethane	UG/KG	11.4 U	12.4 U	11.2 U	11.4 U	12.2 UJ
1,2-Dichloropropane	UG/KG	11.4 U	12.4 U	11.2 U	11.4 U	12.2 UJ
cis-1,3-Dichloropropene	UG/KG	11.4 U	12.4 U	11.2 U	11.4 U	12.2 UJ
Trichloroethene	UG/KG	11.4 U	12.4 U	11.2 U	2 J	12.2 UJ
Dibromochloromethane	UG/KG	11.4 U	12.4 U	11.2 U	11.4 U	12.2 UJ
1,1,2-Trichloroethane	UG/KG	11.4 U	12.4 U	11.2 U	11.4 U	12.2 UJ
Benzene	UG/KG	11.4 U	12.4 U	11.2 U	11.4 U	12.2 UJ
trans-1,3-Dichloropropene	UG/KG	11.4 U	12.4 U	11.2 U	11.4 U	12.2 UJ
Bromoform	UG/KG	11.4 U	12.4 U	11.2 U	11.4 U	12.2 UJ
4-Methyl-2-pentanone	UG/KG	11.4 U	12.4 U	11.2 U	11.4 U	12.2 UJ
2-Hexanone	UG/KG	11.4 U	12.4 U	11.2 U	11.4 U	12.2 UJ
Tetrachloroethene	UG/KG	11.4 U	12.4 U	11.2 U	11.4 U	12.2 UJ
1,1,2,2-Tetrachloroethane	UG/KG	11.4 U	12.4 U	11.2 U	11.4 U	12.2 UJ
Toluene	UG/KG	3 J	12.4 U	11.2 U	11.4 U	12.2 UJ
Chlorobenzene	UG/KG	11.4 U	12.4 U	11.2 U	11.4 U	12.2 UJ
Ethylbenzene	UG/KG	11.4 U	12.4 U	11.2 U	11.4 U	12.2 UJ
Styrene	UG/KG	11.4 U	12.4 U	11.2 U	11.4 U	12.2 UJ
Xylenes (total)	UG/KG	3 J	12.4 U	11.2 U	11.4 U	12.2 UJ

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 74)
 FORMER DISPOSAL / POTENTIAL DISPOSAL / FORMER PEST CONTROL AREA SURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	74-FDA-SB13-00	74-FDA-SB14-00	74-FDA-SB15-00	74-FDA-SB16-00	74-FDA-SB17-00	74-FDA-SB18-00
Laboratory Sample ID:	9401121-08A	9401121-11A	9401132-02	9401132-05	9401132-08	9401132-11
Date Sampled:						
Percent Solids	87.5	81	89.4	88.4	81.6	83.5
<u>PESTICIDE/PCBS</u>						
alpha-BHC	UG/KG	1.96 UJ	2.09 UJ	1.9 UJ	1.94 UJ	2.04 UJ
beta-BHC	UG/KG	1.96 U	2.09 U	1.9 U	1.94 U	2.04 U
delta-BHC	UG/KG	1.96 UJ	2.09 UJ	1.9 UJ	1.94 UJ	2.04 UJ
Lindane (gamma-BHC)	UG/KG	1.96 U	2.09 U	1.9 U	1.94 U	2.04 U
Heptachlor	UG/KG	1.96 U	2.09 U	1.9 U	1.94 U	2.04 U
Aldrin	UG/KG	1.96 U	2.09 U	1.9 U	1.94 U	2.04 U
Heptachlor epoxide	UG/KG	1.96 U	2.09 U	1.9 U	1.94 U	0.69 J
Endosulfan I	UG/KG	1.96 U	2.09 U	1.9 U	1.94 U	2.04 U
Dieldrin	UG/KG	3.8 U	4.06 U	3.7 U	3.76 U	4.03 U
4,4'-DDE	UG/KG	3.8 U	1.68 J	1.66 J	3.76 U	4.03 U
Endrin	UG/KG	3.8 U	4.06 U	0.42 J	3.76 U	4.03 U
Endosulfan II	UG/KG	3.8 U	4.06 U	3.7 U	3.76 U	4.03 U
4,4'-DDD	UG/KG	3.8 U	4.06 U	3.7 U	3.76 U	4.03 U
Endosulfan sulfate	UG/KG	3.8 U	4.06 U	3.7 U	3.76 U	4.03 U
4,4'-DDT	UG/KG	3.8 U	4.06 U	3.7 U	3.76 U	4.03 U
Methoxychlor	UG/KG	19.6 U	20.9 U	19 U	19.4 U	20.4 U
Endrin ketone	UG/KG	3.8 U	4.06 U	3.7 U	3.76 U	4.03 U
Endrin aldehyde	UG/KG	3.8 U	4.06 U	3.7 U	3.76 U	4.03 U
alpha-Chlordane	UG/KG	1.96 U	2.09 U	0.39 J	1.94 U	2.04 U
gamma-Chlordane	UG/KG	1.96 U	2.09 U	0.45 J	1.94 U	2.04 U
Toxaphene	UG/KG	196 U	209 U	190 U	194 U	204 U
Aroclor 1016	UG/KG	38 U	40.6 U	37 U	37.6 U	40.3 U
Aroclor 1221	UG/KG	77 U	82.4 U	75 U	76.4 U	81.7 U
Aroclor 1232	UG/KG	38 U	40.6 U	37 U	37.6 U	40.3 U
Aroclor 1242	UG/KG	38 U	40.6 U	37 U	37.6 U	40.3 U
Aroclor 1248	UG/KG	38 U	40.6 U	37 U	37.6 U	40.3 U
Aroclor 1254	UG/KG	38 U	40.6 U	37 U	37.6 U	40.3 U
Aroclor 1260	UG/KG	38 U	40.6 U	37 U	37.6 U	40.3 U

FREQUENCY OF DETECTION SUMMARY
OPERABLE UNIT NO. 4 (SITE 74)
FORMER DISPOSAL / POTENTIAL DISPOSAL / FORMER PEST CONTROL AREA SURFACE SOIL
MCB CAMP LEJEUNE, NORTH CAROLINA
REMEDIAL INVESTIGATION - CTO-0212
ORGANICS

Client Sample ID:	74-FDA-SB13-00	74-FDA-SB14-00	74-FDA-SB15-00	74-FDA-SB16-00	74-FDA-SB17-00	74-FDA-SB18-00
Laboratory Sample ID:	9401121-08A	9401121-11A	9401132-02	9401132-05	9401132-08	9401132-11
Date Sampled:						
Percent Solids	87.5	81	89.4	88.4	81.6	83.5
<u>CHEMICAL SURETY</u>						
Acetophenone	UG/KG	375 U	408 U	370 U	376 U	396 U
Chloroacetophenone	UG/KG	375 U	408 U	370 U	376 U	396 U
Hydroxyacetophenone	UG/KG	1870 U	2040 U	1850 U	1880 U	1980 U
Bis(2'-chloroethyl)disulfide	UG/KG	1870 U	2040 U	1850 U	1880 U	1980 U
Bis(2'-chloroethyl)trisulfide	UG/KG	1870 U	2040 U	1850 U	1880 U	1980 U
1,4-Dithiane	UG/KG	375 U	408 U	370 U	376 U	396 U
1,4-Oxathiane	UG/KG	375 U	408 U	370 U	376 U	396 U
<u>THIODIGLYCOL</u>						
Thiodiglycol	MG/KG	7.12 U	7.69 U	7 U	7.06 U	7.69 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 74)
 FORMER DISPOSAL / POTENTIAL DISPOSAL / FORMER PEST CONTROL AREA SURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	74-FDA-SB19-00	74-FDA-SB20-00	74-FDA-SB21-00	74-FDA-SB22-00	74-FDA-SB23-00	74-FDA-SB24-00
Laboratory Sample ID:	9401132-14	9401132-17	9401138-03	9401138-06	9401138-10	9401140-01
Date Sampled:						
Percent Solids	87.7	90.6	89.8	86.6	86.6	89.1
SEMIVOLATILES						
1,2-Dichlorobenzene	UG/KG	376 U	367 U	367 U	380 U	389 U
1,2,4-Trichlorobenzene	UG/KG	376 U	367 U	367 U	380 U	389 U
1,3-Dichlorobenzene	UG/KG	376 U	367 U	367 U	380 U	389 U
1,4-Dichlorobenzene	UG/KG	376 U	367 U	367 U	380 U	389 U
2-Chloronaphthalene	UG/KG	376 U	367 U	367 U	380 U	389 U
2-Chlorophenol	UG/KG	376 U	367 U	367 U	380 U	389 U
2-Methylnaphthalene	UG/KG	376 U	367 U	367 U	380 U	389 U
2-Methylphenol	UG/KG	376 U	367 U	367 U	380 U	389 U
2-Nitroaniline	UG/KG	912 U	889 U	889 U	920 U	944 U
2-Nitrophenol	UG/KG	376 U	367 U	367 U	380 U	389 U
2,2'-oxybis-(1-chloropropane)	UG/KG	376 U	367 U	367 U	380 U	389 U
2,4-Dichlorophenol	UG/KG	376 U	367 U	367 U	380 U	389 U
2,4-Dimethylphenol	UG/KG	376 U	367 U	367 U	380 U	389 U
2,4-Dinitrophenol	UG/KG	912 U	889 U	889 U	920 U	944 U
2,4-Dinitrotoluene	UG/KG	376 U	367 U	367 U	380 U	389 U
2,4,5-Trichlorophenol	UG/KG	912 U	889 U	889 U	920 U	944 U
2,4,6-Trichlorophenol	UG/KG	376 U	367 U	367 U	380 U	389 U
2,6-Dinitrotoluene	UG/KG	376 U	367 U	367 U	380 U	389 U
3-Nitroaniline	UG/KG	912 U	889 U	889 U	920 U	944 U
3,3'-Dichlorobenzidine	UG/KG	380 U	370 U	367 U	380 U	389 U
4-Bromophenyl-phenylether	UG/KG	376 U	367 U	367 U	380 U	389 U
4-Chloro-3-methylphenol	UG/KG	376 U	367 U	367 U	380 U	389 U
4-Chloroaniline	UG/KG	376 U	367 U	367 U	380 U	389 U
4-Chlorophenyl phenyl ether	UG/KG	376 U	367 U	367 U	380 U	389 U
4-Methylphenol	UG/KG	376 U	367 U	367 U	380 U	389 U
4-Nitroaniline	UG/KG	912 U	889 U	889 U	920 U	944 U
4-Nitrophenol	UG/KG	912 U	889 U	889 U	920 U	944 U
4,6-Dinitro-2-methylphenol	UG/KG	912 U	889 U	889 U	920 U	944 U
Acenaphthene	UG/KG	376 U	367 U	367 U	380 U	389 U
Acenaphthylene	UG/KG	376 U	367 U	367 U	380 U	389 U
Anthracene	UG/KG	376 U	367 U	367 U	380 U	389 U
Benzo[a]anthracene	UG/KG	376 U	367 U	367 U	380 U	389 U
Benzo[a]pyrene	UG/KG	376 U	367 U	367 U	380 U	130 J

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 74)
 FORMER DISPOSAL / POTENTIAL DISPOSAL / FORMER PEST CONTROL AREA SURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	74-FDA-SB19-00	74-FDA-SB20-00	74-FDA-SB21-00	74-FDA-SB22-00	74-FDA-SB23-00	74-FDA-SB24-00
Laboratory Sample ID:	9401132-14	9401132-17	9401138-03	9401138-06	9401138-10	9401140-01
Date Sampled:						
Percent Solids	87.7	90.6	89.8	86.6	86.6	89.1

SEMIVOLATILES Cont.

Benzo[b]fluoranthene	UG/KG	376 U	367 U	367 U	380 U	389 UJ	371 U
Benzo[g,h,i]perylene	UG/KG	376 U	367 U	367 U	380 U	61 J	371 U
Benzo[k]fluoranthene	UG/KG	376 U	367 U	367 U	380 U	389 UJ	371 U
bis(2-Chloroethoxy) methane	UG/KG	376 U	367 U	367 U	380 U	389 U	371 U
bis(2-Chloroethyl) ether	UG/KG	376 U	367 U	367 U	380 U	389 U	371 U
bis(2-Ethylhexyl)phthalate	UG/KG	376 U	367 U	367 U	380 U	389 UJ	371 U
Butyl benzyl phthalate	UG/KG	376 U	367 U	367 U	380 U	389 UJ	371 U
Carbazole	UG/KG	376 U	367 U	367 U	380 U	389 U	371 U
Chrysene	UG/KG	376 U	367 U	367 U	380 U	389 UJ	371 U
Dibenzofuran	UG/KG	376 U	367 U	367 U	380 U	389 U	371 U
Dibenz[a,h]anthracene	UG/KG	376 U	367 U	367 U	380 U	389 UJ	371 U
Diethylphthalate	UG/KG	376 U	367 U	367 U	380 U	389 U	371 U
Dimethyl phthalate	UG/KG	376 U	367 U	367 U	380 U	389 U	371 U
di-n-Butylphthalate	UG/KG	376 U	367 U	367 U	103 J	39 J	370 U
di-n-Octylphthalate	UG/KG	376 U	367 U	367 U	380 U	389 UJ	371 U
Fluoranthene	UG/KG	376 U	367 U	367 U	380 U	389 U	371 U
Fluorene	UG/KG	376 U	367 U	367 U	380 U	389 U	371 U
Hexachlorobenzene	UG/KG	376 U	367 U	367 U	380 U	389 U	371 U
Hexachlorobutadiene	UG/KG	376 U	367 U	367 U	380 U	389 U	371 U
Hexachlorocyclopentadiene	UG/KG	376 U	367 U	367 U	380 U	389 U	371 U
Hexachloroethane	UG/KG	376 U	367 U	367 U	380 U	389 U	371 U
Indeno[1,2,3-cd]pyrene	UG/KG	376 U	367 U	367 U	380 U	389 UJ	371 U
Isophorone	UG/KG	376 U	367 U	367 U	380 U	389 U	371 U
Naphthalene	UG/KG	376 U	367 U	367 U	380 U	389 U	371 U
Nitrobenzene	UG/KG	376 U	367 U	367 U	380 U	389 U	371 U
N-Nitroso-di-n-propylamine	UG/KG	376 U	367 U	367 U	380 U	389 U	371 U
N-nitrosodiphenylamine	UG/KG	376 U	367 U	367 U	380 U	389 U	371 U
Pentachlorophenol	UG/KG	912 U	889 U	889 U	920 U	944 U	899 U
Phenanthrene	UG/KG	376 U	367 U	367 U	380 U	389 U	371 U
Phenol	UG/KG	376 U	367 U	367 U	380 U	389 U	371 U
Pyrene	UG/KG	376 U	367 U	367 U	380 U	389 UJ	371 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 74)
 FORMER DISPOSAL / POTENTIAL DISPOSAL / FORMER PEST CONTROL AREA SURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
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Client Sample ID:	74-FDA-SB19-00	74-FDA-SB20-00	74-FDA-SB21-00	74-FDA-SB22-00	74-FDA-SB23-00	74-FDA-SB24-00
Laboratory Sample ID:	9401132-14	9401132-17	9401138-03	9401138-06	9401138-10	9401140-01
Date Sampled:						
Percent Solids	87.7	90.6	89.8	86.6	86.6	89.1
VOLATILES						
Chloromethane	UG/KG	11.4 U	11 U	11.1 U	11.5 U	11 UJ
Bromomethane	UG/KG	11.4 U	11 U	11.1 U	11.5 U	11 UJ
Vinyl chloride	UG/KG	11.4 U	11 U	11.1 U	11.5 U	11 UJ
Chloroethane	UG/KG	11.4 U	11 U	11.1 U	11.5 U	11 UJ
Methylene chloride	UG/KG	5 J	7 J	11 U	7 J	11 UJ
Acetone	UG/KG	11.4 UJ	11 UJ	11 UJ	11.5 UJ	30 UJ
Carbon Disulfide	UG/KG	11.4 U	11 U	11.1 U	11.5 U	11 UJ
1,1-Dichloroethene	UG/KG	11.4 U	11 U	11.1 U	11.5 U	11 UJ
1,1-Dichloroethane	UG/KG	11.4 U	11 U	11.1 U	11.5 U	11 UJ
1,2-Dichloroethene(total)	UG/KG	11.4 U	11 U	11.1 U	11.5 U	11 UJ
Chloroform	UG/KG	11.4 U	11 U	11.1 U	11.5 U	11 UJ
1,2-Dichloroethane	UG/KG	11.4 U	11 U	11.1 U	11.5 U	11 UJ
2-Butanone	UG/KG	11.4 U	11 U	11.1 U	11.5 U	11 UJ
1,1,1-Trichloroethane	UG/KG	11.4 U	11 U	11.1 U	11.5 U	11 U
Carbon tetrachloride	UG/KG	11.4 U	11 U	11.1 U	11.5 U	11 U
Bromodichloromethane	UG/KG	11.4 U	11 U	11.1 U	11.5 U	11 U
1,2-Dichloropropane	UG/KG	11.4 U	11 U	11.1 U	11.5 U	11 U
cis-1,3-Dichloropropene	UG/KG	11.4 U	11 U	11.1 U	11.5 U	11 U
Trichloroethene	UG/KG	11.4 U	3 J	11.1 U	11.5 U	11 U
Dibromochloromethane	UG/KG	11.4 U	11 U	11.1 U	11.5 U	11 U
1,1,2-Trichloroethane	UG/KG	11.4 U	11 U	11.1 U	11.5 U	11 U
Benzene	UG/KG	11.4 U	11 U	11.1 U	11.5 U	11 U
trans-1,3-Dichloropropene	UG/KG	11.4 U	11 U	11.1 U	11.5 U	11 U
Bromoform	UG/KG	11.4 U	11 U	11.1 U	11.5 U	11 U
4-Methyl-2-pentanone	UG/KG	11.4 U	11 U	11.1 UJ	11.5 UJ	11 UJ
2-Hexanone	UG/KG	11.4 U	11 U	11.1 UJ	11.5 UJ	11 UJ
Tetrachloroethene	UG/KG	11.4 U	11 U	11.1 UJ	11.5 UJ	11 UJ
1,1,2,2-Tetrachloroethane	UG/KG	11.4 U	11 U	11.1 UJ	11.5 UJ	11 UJ
Toluene	UG/KG	11.4 U	11 U	11.1 UJ	11.5 UJ	11 UJ
Chlorobenzene	UG/KG	11.4 U	11 U	11.1 UJ	11.5 UJ	11 UJ
Ethylbenzene	UG/KG	11.4 U	11 U	11.1 UJ	11.5 UJ	11 UJ
Styrene	UG/KG	11.4 U	11 U	11.1 UJ	11.5 UJ	11 UJ
Xylenes (total)	UG/KG	11.4 U	11 U	11.1 UJ	11.5 UJ	11 UJ

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 74)
 FORMER DISPOSAL / POTENTIAL DISPOSAL / FORMER PEST CONTROL AREA SURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	74-FDA-SB19-00	74-FDA-SB20-00	74-FDA-SB21-00	74-FDA-SB22-00	74-FDA-SB23-00	74-FDA-SB24-00	
Laboratory Sample ID:	9401132-14	9401132-17	9401138-03	9401138-06	9401138-10	9401140-01	
Date Sampled:							
Percent Solids	87.7	90.6	89.8	86.6	86.6	89.1	
<u>PESTICIDE/PCBS</u>							
alpha-BHC	UG/KG	1.94 UJ	1.87 UJ	1.89 UJ	1.96 UJ	0.45 J	1.91 UJ
beta-BHC	UG/KG	1.94 U	1.87 U	1.89 U	1.96 U	1.96 U	1.91 U
delta-BHC	UG/KG	1.94 UJ	1.87 UJ	1.89 UJ	1.96 UJ	1.96 UJ	1.91 UJ
Lindane (gamma-BHC)	UG/KG	1.94 U	1.87 U	1.89 U	1.96 U	1.96 U	1.91 U
Heptachlor	UG/KG	1.94 U	1.87 U	1.89 U	1.96 U	1.96 U	1.91 U
Aldrin	UG/KG	1.94 U	1.87 U	1.89 U	1.96 U	1.96 U	1.91 U
Heptachlor epoxide	UG/KG	1.94 U	1.87 U	1.89 U	1.96 U	1.96 U	1.91 U
Endosulfan I	UG/KG	1.94 U	1.87 U	1.89 U	1.96 U	1.96 U	1.91 U
Dieldrin	UG/KG	3.76 U	3.63 U	3.66 U	3.8 U	3.8 U	3.71 U
4,4'-DDE	UG/KG	3.76 U	2.39 J	3.66 U	3.8 U	31 J	3.47 J
Endrin	UG/KG	3.76 U	3.63 U	3.66 U	3.8 U	3.8 U	3.71 U
Endosulfan II	UG/KG	3.76 U	3.63 U	3.66 U	3.8 U	3.8 U	3.71 U
4,4'-DDD	UG/KG	3.76 U	0.37 NJ	3.66 U	3.8 U	67.3 J	3.7 U
Endosulfan sulfate	UG/KG	3.76 U	3.63 U	3.66 U	3.8 U	3.8 U	3.71 U
4,4'-DDT	UG/KG	3.76 U	1.82 J	3.66 U	3.8 U	3.8 U	1.03 J
Methoxychlor	UG/KG	19.4 U	18.7 U	18.9 U	19.6 U	19.6 U	19.1 U
Endrin ketone	UG/KG	3.76 U	3.63 U	3.66 U	3.8 U	3.8 U	3.71 U
Endrin aldehyde	UG/KG	3.76 U	3.63 U	1.07 NJ	3.8 U	3.8 U	3.71 U
alpha-Chlordane	UG/KG	1.94 U	1.87 U	1.89 U	1.96 U	16.3 J	1.91 U
gamma-Chlordane	UG/KG	1.94 U	1.87 U	1.89 U	1.96 U	15.3 J	1.91 U
Toxaphene	UG/KG	194 U	187 U	189 U	196 U	196 U	191 U
Aroclor 1016	UG/KG	37.6 U	36.3 U	36.6 U	38 U	38 U	37.1 U
Aroclor 1221	UG/KG	76.4 U	73.7 U	74.4 U	77 U	77 U	75.3 U
Aroclor 1232	UG/KG	37.6 U	36.3 U	36.6 U	38 U	38 U	37.1 U
Aroclor 1242	UG/KG	37.6 U	36.3 U	36.6 U	38 U	38 U	37.1 U
Aroclor 1248	UG/KG	37.6 U	36.3 U	36.6 U	38 U	38 U	37.1 U
Aroclor 1254	UG/KG	37.6 U	36.3 U	36.6 U	38 U	38 U	37.1 U
Aroclor 1260	UG/KG	37.6 U	36.3 U	36.6 U	38 U	38 U	37.1 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 74)
 FORMER DISPOSAL / POTENTIAL DISPOSAL / FORMER PEST CONTROL AREA SURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	74-FDA-SB19-00	74-FDA-SB20-00	74-FDA-SB21-00	74-FDA-SB22-00	74-FDA-SB23-00	74-FDA-SB24-00
Laboratory Sample ID:	9401132-14	9401132-17	9401138-03	9401138-06	9401138-10	9401140-01
Date Sampled:						
Percent Solids	87.7	90.6	89.8	86.6	86.6	89.1
<u>CHEMICAL SURETY</u>						
Acetophenone	UG/KG	376 U	367 U	367 U	380 U	371 U
Chloroacetophenone	UG/KG	376 U	367 U	367 U	380 U	371 U
Hydroxyacetophenone	UG/KG	1880 U	1830 U	1830 U	1900 U	1850 U
Bis(2'-chloroethyl)disulfide	UG/KG	1880 U	1830 U	1830 U	1900 U	1850 U
Bis(2'-chloroethyl)trisulfide	UG/KG	1880 U	1830 U	1830 U	1900 U	1850 U
1,4-Dithiane	UG/KG	376 U	367 U	367 U	380 U	371 U
1,4-Oxathiane	UG/KG	376 U	367 U	367 U	380 U	371 U
<u>THIODIGLYCOL</u>						
Thiodiglycol	MG/KG	7.12 U	6.88 U	6.94 U	7.19 U	7 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 74)
 FORMER DISPOSAL / POTENTIAL DISPOSAL / FORMER PEST CONTROL AREA SURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
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Client Sample ID:	74-FDA-SB25-00	74-FDA-SB26-00	74-FDA-SB27-00	74-FDA-SB28-00	74-FDA-SB29-00	74-FDA-SB30-00
Laboratory Sample ID:	9401140-04	9401135-01A	9401148-01A	9401148-07A	9401148-04A	9401148-10A
Date Sampled:						
Percent Solids	84.8	88	88.1	88	87.4	91.3
SEMIVOLATILES						
1,2-Dichlorobenzene	UG/KG	388 U	375 U	376 U	376 U	380 U
1,2,4-Trichlorobenzene	UG/KG	388 U	375 U	376 U	376 U	380 U
1,3-Dichlorobenzene	UG/KG	388 U	375 U	376 U	376 U	380 U
1,4-Dichlorobenzene	UG/KG	388 U	375 U	376 U	376 U	380 U
2-Chloronaphthalene	UG/KG	388 U	375 U	376 U	376 U	380 U
2-Chlorophenol	UG/KG	388 U	375 U	376 U	376 U	380 U
2-Methylnaphthalene	UG/KG	388 U	375 U	376 U	376 U	380 U
2-Methylphenol	UG/KG	388 U	375 U	376 U	376 U	380 U
2-Nitroaniline	UG/KG	941 U	909 U	912 U	912 U	920 U
2-Nitrophenol	UG/KG	388 U	375 U	376 U	376 U	380 U
2,2'-oxybis-(1-chloropropane)	UG/KG	388 U	375 U	376 U	376 U	380 U
2,4-Dichlorophenol	UG/KG	388 U	375 U	376 U	376 U	380 U
2,4-Dimethylphenol	UG/KG	388 U	375 U	376 U	376 U	380 U
2,4-Dinitrophenol	UG/KG	941 U	909 U	912 U	912 U	920 U
2,4-Dinitrotoluene	UG/KG	388 U	375 U	376 U	376 U	380 U
2,4,5-Trichlorophenol	UG/KG	941 U	909 U	912 U	912 U	920 U
2,4,6-Trichlorophenol	UG/KG	388 U	375 U	376 U	376 U	380 U
2,6-Dinitrotoluene	UG/KG	388 U	375 U	376 U	376 U	380 U
3-Nitroaniline	UG/KG	941 U	909 U	912 U	912 U	920 U
3,3'-Dichlorobenzidine	UG/KG	388 U	375 U	380 U	376 U	380 U
4-Bromophenyl-phenylether	UG/KG	388 U	375 U	376 U	376 U	380 U
4-Chloro-3-methylphenol	UG/KG	388 U	375 U	376 U	376 U	380 U
4-Chloroaniline	UG/KG	388 U	375 U	376 U	376 U	380 U
4-Chlorophenyl phenyl ether	UG/KG	388 U	375 U	376 U	376 U	380 U
4-Methylphenol	UG/KG	388 U	375 U	376 U	376 U	380 U
4-Nitroaniline	UG/KG	941 U	909 U	912 U	912 U	920 U
4-Nitrophenol	UG/KG	941 U	909 U	912 U	912 U	920 U
4,6-Dinitro-2-methylphenol	UG/KG	941 U	909 U	912 U	912 U	920 U
Acenaphthene	UG/KG	388 U	375 U	376 U	376 U	380 U
Acenaphthylene	UG/KG	388 U	375 U	376 U	376 U	380 U
Anthracene	UG/KG	388 U	375 U	376 U	376 U	380 U
Benzo[a]anthracene	UG/KG	388 U	375 U	376 U	376 U	380 U
Benzo[a]pyrene	UG/KG	388 U	375 U	376 U	376 U	380 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 74)
 FORMER DISPOSAL / POTENTIAL DISPOSAL / FORMER PEST CONTROL AREA SURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	74-FDA-SB25-00	74-FDA-SB26-00	74-FDA-SB27-00	74-FDA-SB28-00	74-FDA-SB29-00	74-FDA-SB30-00
Laboratory Sample ID:	9401140-04	9401135-01A	9401148-01A	9401148-07A	9401148-04A	9401148-10A
Date Sampled:						
Percent Solids	84.8	88	88.1	88	87.4	91.3

SEMIVOLATILES Cont.

Benzo[b]fluoranthene	UG/KG	388 U	375 U	376 U	376 U	380 U	366 U
Benzo[g,h,i]perylene	UG/KG	388 U	375 U	376 U	376 U	380 U	366 U
Benzo[k]fluoranthene	UG/KG	388 U	375 U	376 U	376 U	380 U	366 U
bis(2-Chloroethoxy) methane	UG/KG	388 U	375 U	376 U	376 U	380 U	366 U
bis(2-Chloroethyl) ether	UG/KG	388 U	375 U	376 U	376 U	380 U	366 U
bis(2-Ethylhexyl)phthalate	UG/KG	388 U	375 U	376 U	376 U	380 U	366 U
Butyl benzyl phthalate	UG/KG	388 U	375 U	376 U	376 U	380 U	366 U
Carbazole	UG/KG	388 U	375 U	376 U	376 U	380 U	366 U
Chrysene	UG/KG	388 U	375 U	376 U	376 U	380 U	366 U
Dibenzofuran	UG/KG	388 U	375 U	376 U	376 U	380 U	366 U
Dibenz[a,h]anthracene	UG/KG	388 U	375 U	376 U	376 U	380 U	366 U
Diethylphthalate	UG/KG	388 U	375 U	376 U	376 U	380 U	366 U
Dimethyl phthalate	UG/KG	388 U	375 U	376 U	376 U	380 U	366 U
di-n-Butylphthalate	UG/KG	390 U	46 J	107 J	54 J	82 J	42 J
di-n-Octylphthalate	UG/KG	388 U	375 U	376 U	376 U	380 U	366 U
Fluoranthene	UG/KG	388 U	375 U	376 U	376 U	380 U	366 U
Fluorene	UG/KG	388 U	375 U	376 U	376 U	380 U	366 U
Hexachlorobenzene	UG/KG	388 U	375 U	376 U	376 U	380 U	366 U
Hexachlorobutadiene	UG/KG	388 U	375 U	376 U	376 U	380 U	366 U
Hexachlorocyclopentadiene	UG/KG	388 U	375 U	376 U	376 U	380 U	366 U
Hexachloroethane	UG/KG	388 U	375 U	376 U	376 U	380 U	366 U
Indeno[1,2,3-cd]pyrene	UG/KG	388 U	375 U	376 U	376 U	380 U	366 U
Isophorone	UG/KG	388 U	375 U	376 U	376 U	380 U	366 U
Naphthalene	UG/KG	388 U	375 U	376 U	376 U	380 U	366 U
Nitrobenzene	UG/KG	388 U	375 U	376 U	376 U	380 U	366 U
N-Nitroso-di-n-propylamine	UG/KG	388 U	375 U	376 U	376 U	380 U	366 U
N-nitrosodiphenylamine	UG/KG	388 U	375 U	376 U	376 U	380 U	366 U
Pentachlorophenol	UG/KG	941 U	909 U	912 U	912 U	920 U	888 U
Phenanthrene	UG/KG	388 U	375 U	376 U	376 U	380 U	366 U
Phenol	UG/KG	388 U	375 U	376 U	376 U	380 U	366 U
Pyrene	UG/KG	388 U	375 U	376 U	376 U	380 U	366 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 74)
 FORMER DISPOSAL / POTENTIAL DISPOSAL / FORMER PEST CONTROL AREA SURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	74-FDA-SB25-00	74-FDA-SB26-00	74-FDA-SB27-00	74-FDA-SB28-00	74-FDA-SB29-00	74-FDA-SB30-00
Laboratory Sample ID:	9401140-04	9401135-01A	9401148-01A	9401148-07A	9401148-04A	9401148-10A
Date Sampled:						
Percent Solids	84.8	88	88.1	88	87.4	91.3
VOLATILES						
Chloromethane	UG/KG	12 UJ	11 U	11.4 UJ	11.4 U	11.5 U
Bromomethane	UG/KG	12 UJ	11 U	11.4 UJ	11.4 U	11.5 U
Vinyl chloride	UG/KG	12 UJ	11 U	11.4 UJ	11.4 U	11.5 U
Chloroethane	UG/KG	12 UJ	11 U	11.4 UJ	11.4 U	11.5 U
Methylene chloride	UG/KG	15 UJ	7 J	5 J	9 J	11 U
Acetone	UG/KG	89 UJ	11 UJ	5 J	6 J	25 UJ
Carbon Disulfide	UG/KG	12 UJ	11 U	11.4 UJ	11.4 U	11.5 U
1,1-Dichloroethene	UG/KG	12 UJ	11 U	11.4 UJ	11.4 U	11.5 U
1,1-Dichloroethane	UG/KG	12 UJ	11 U	11.4 UJ	11.4 U	11.5 U
1,2-Dichloroethene(total)	UG/KG	12 UJ	11 U	11.4 UJ	11.4 U	11.5 U
Chloroform	UG/KG	12 UJ	11 U	11.4 UJ	11.4 U	11.5 U
1,2-Dichloroethane	UG/KG	12 UJ	11 U	11.4 UJ	11.4 U	11.5 U
2-Butanone	UG/KG	12 UJ	11 U	11.4 R	11.4 R	11.5 U
1,1,1-Trichloroethane	UG/KG	12 UJ	11 U	11.4 UJ	11.4 U	11.5 U
Carbon tetrachloride	UG/KG	12 UJ	11 U	11.4 UJ	11.4 U	11.5 U
Bromodichloromethane	UG/KG	12 UJ	11 U	11.4 UJ	11.4 U	11.5 U
1,2-Dichloropropane	UG/KG	12 UJ	11 U	11.4 UJ	11.4 U	11.5 U
cis-1,3-Dichloropropene	UG/KG	12 UJ	11 U	11.4 UJ	11.4 U	11.5 U
Trichloroethene	UG/KG	12 UJ	11 U	11.4 UJ	11.4 U	11.5 U
Dibromochloromethane	UG/KG	12 UJ	11 U	11.4 UJ	11.4 U	11.5 U
1,1,2-Trichloroethane	UG/KG	12 UJ	11 U	11.4 UJ	11.4 U	11.5 U
Benzene	UG/KG	12 UJ	11 U	11.4 UJ	11.4 U	11.5 U
trans-1,3-Dichloropropene	UG/KG	12 UJ	11 U	11.4 UJ	11.4 U	11.5 U
Bromoform	UG/KG	12 UJ	11 U	11.4 UJ	11.4 U	11.5 U
4-Methyl-2-pentanone	UG/KG	12 UJ	11 U	11.4 UJ	11.4 U	11.5 U
2-Hexanone	UG/KG	12 UJ	11 U	11.4 UJ	11.4 U	11.5 U
Tetrachloroethene	UG/KG	12 UJ	11 U	11.4 UJ	11.4 U	11.5 U
1,1,2,2-Tetrachloroethane	UG/KG	12 UJ	11 U	11.4 UJ	11.4 U	11.5 U
Toluene	UG/KG	12 UJ	11 U	11.4 UJ	11.4 UJ	11.5 U
Chlorobenzene	UG/KG	12 UJ	11 U	11.4 UJ	11.4 U	11.5 U
Ethylbenzene	UG/KG	12 UJ	11 U	11.4 UJ	11.4 U	11.5 U
Styrene	UG/KG	12 UJ	11 U	11.4 UJ	11.4 U	11.5 U
Xylenes (total)	UG/KG	12 UJ	11 U	11.4 UJ	11.4 U	11.5 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 74)
 FORMER DISPOSAL / POTENTIAL DISPOSAL / FORMER PEST CONTROL AREA SURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	74-FDA-SB25-00	74-FDA-SB26-00	74-FDA-SB27-00	74-FDA-SB28-00	74-FDA-SB29-00	74-FDA-SB30-00	
Laboratory Sample ID:	9401140-04	9401135-01A	9401148-01A	9401148-07A	9401148-04A	9401148-10A	
Date Sampled:							
Percent Solids	84.8	88	88.1	88	87.4	91.3	
<u>PESTICIDE/PCBS</u>							
alpha-BHC	UG/KG	2 UJ	1.94 UJ	1.94 UJ	1.93 U	1.96 R	1.87 UJ
beta-BHC	UG/KG	2 U	1.94 U	1.94 UJ	1.93 U	1.96 R	1.87 U
delta-BHC	UG/KG	2 UJ	1.94 UJ	1.94 UJ	1.93 U	1.96 R	1.87 UJ
Lindane (gamma-BHC)	UG/KG	2 U	1.94 U	1.94 UJ	1.93 U	1.96 R	1.87 U
Heptachlor	UG/KG	2 U	1.94 U	1.94 UJ	1.93 U	1.96 R	1.87 U
Aldrin	UG/KG	2 U	1.94 U	1.94 UJ	1.93 U	1.96 R	1.87 U
Heptachlor epoxide	UG/KG	2 U	1.94 U	1.94 UJ	1.93 U	1.96 R	1.87 U
Endosulfan I	UG/KG	2 U	1.94 U	1.94 UJ	1.93 U	1.96 R	1.87 U
Dieldrin	UG/KG	3.88 U	3.76 U	3.76 UJ	3.75 U	3.8 R	3.63 U
4,4'-DDE	UG/KG	3.88 U	0.72 J	3.76 UJ	2.36 J	3.8 R	3.63 U
Endrin	UG/KG	3.88 U	3.76 U	3.76 UJ	3.75 U	3.8 R	3.63 U
Endosulfan II	UG/KG	3.88 U	3.76 U	3.76 UJ	0.44 NJ	3.8 R	3.63 U
4,4'-DDD	UG/KG	3.88 U	3.76 U	3.76 UJ	1.8 J	3.8 R	3.63 U
Endosulfan sulfate	UG/KG	3.88 U	3.76 U	3.76 UJ	3.75 U	3.8 R	3.63 U
4,4'-DDT	UG/KG	3.88 U	3.76 U	3.76 UJ	3.75 R	3.8 R	3.63 UJ
Methoxychlor	UG/KG	20 U	19.4 U	19.4 UJ	19.3 U	19.6 R	18.7 UJ
Endrin ketone	UG/KG	3.88 U	3.76 U	3.76 UJ	3.75 U	3.8 R	3.63 U
Endrin aldehyde	UG/KG	3.88 U	3.76 U	3.76 UJ	3.75 U	3.8 R	3.63 U
alpha-Chlordane	UG/KG	2 U	1.94 U	1.94 UJ	1.93 U	1.96 R	1.87 U
gamma-Chlordane	UG/KG	2 U	1.94 U	1.94 UJ	1.93 U	1.96 R	1.87 U
Toxaphene	UG/KG	200 U	194 U	194 UJ	193 U	196 R	187 U
Aroclor 1016	UG/KG	38.8 U	37.6 U	37.6 UJ	37.5 U	38 R	36.3 U
Aroclor 1221	UG/KG	78.8 U	76.4 U	76.4 UJ	76.1 U	77 R	73.7 U
Aroclor 1232	UG/KG	38.8 U	37.6 U	37.6 UJ	37.5 U	38 R	36.3 U
Aroclor 1242	UG/KG	38.8 U	37.6 U	37.6 UJ	37.5 U	38 R	36.3 U
Aroclor 1248	UG/KG	38.8 U	37.6 U	37.6 UJ	37.5 U	38 R	36.3 U
Aroclor 1254	UG/KG	38.8 U	37.6 U	37.6 UJ	37.5 U	38 R	36.3 U
Aroclor 1260	UG/KG	38.8 U	37.6 U	37.6 UJ	37.5 U	38 R	36.3 U

FREQUENCY OF DETECTION SUMMARY
OPERABLE UNIT NO. 4 (SITE 74)
FORMER DISPOSAL / POTENTIAL DISPOSAL / FORMER PEST CONTROL AREA SURFACE SOIL
MCB CAMP LEJEUNE, NORTH CAROLINA
REMEDIAL INVESTIGATION - CTO-0212
ORGANICS

Client Sample ID:	74-FDA-SB25-00	74-FDA-SB26-00	74-FDA-SB27-00	74-FDA-SB28-00	74-FDA-SB29-00	74-FDA-SB30-00	
Laboratory Sample ID:	9401140-04	9401135-01A	9401148-01A	9401148-07A	9401148-04A	9401148-10A	
Date Sampled:							
Percent Solids	84.8	88	88.1	88	87.4	91.3	
<u>CHEMICAL SURETY</u>							
Acetophenone	UG/KG	388 U	375 U	376 U	376 U	380 U	366 U
Chloroacetophenone	UG/KG	388 U	375 U	376 U	376 U	380 U	366 U
Hydroxyacetophenone	UG/KG	190 J	1870 U	1880 U	1880 U	1900 U	1830 U
Bis(2'-chloroethyl)disulfide	UG/KG	1940 U	1870 U	1880 U	1880 U	1900 U	1830 U
Bis(2'-chloroethyl)trisulfide	UG/KG	1940 U	1870 U	1880 U	1880 U	1900 U	1830 U
1,4-Dithiane	UG/KG	388 U	375 U	376 U	376 U	380 U	366 U
1,4-Oxathiane	UG/KG	388 U	375 U	376 U	376 U	380 U	366 U
<u>THIODIGLYCOL</u>							
Thiodiglycol	MG/KG	7.38 U	7.12 U	7.12 U	7.12 U	7.12 U	6.88 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 74)
 FORMER DISPOSAL / POTENTIAL DISPOSAL / FORMER PEST CONTROL AREA SURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	74-FDA-SB31-00	74-FDA-SB32-00	74-FDA-SB33-00	74-FDA-SB34-00	74-FDA-SB35-00	74-FDA-SB36-00	
Laboratory Sample ID:	9401148-13A	9401148-16A	9401108-04	9401108-06	9401108-07	9401108-08	
Date Sampled:			01/19/94	01/19/94	01/19/94	01/19/94	
Percent Solids	88	90	86.7	83.2	93.6	84.6	
SEMIVOLATILES							
1,2-Dichlorobenzene	UG/KG	376 U	367 U	379.0 U	398.0 U	351.0 U	388.0 U
1,2,4-Trichlorobenzene	UG/KG	376 U	367 U	379.0 U	398.0 U	351.0 U	388.0 U
1,3-Dichlorobenzene	UG/KG	376 U	367 U	379.0 U	398.0 U	351.0 U	388.0 U
1,4-Dichlorobenzene	UG/KG	376 U	367 U	379.0 U	398.0 U	351.0 U	388.0 U
2-Chloronaphthalene	UG/KG	376 U	367 U	379.0 U	398.0 U	351.0 U	388.0 U
2-Chlorophenol	UG/KG	376 U	367 U	379.0 U	398.0 U	351.0 U	388.0 U
2-Methylnaphthalene	UG/KG	376 U	367 U	379.0 U	398.0 U	351.0 U	388.0 U
2-Methylphenol	UG/KG	376 U	367 U	379.0 U	398.0 U	351.0 U	388.0 U
2-Nitroaniline	UG/KG	912 U	889 U	920.0 U	964.0 U	851.0 U	941.0 U
2-Nitrophenol	UG/KG	376 U	367 U	379.0 U	398.0 U	351.0 U	388.0 U
2,2'-oxybis-(1-chloropropane)	UG/KG	376 UJ	367 UJ	379.0 U	398.0 U	351.0 U	388.0 U
2,4-Dichlorophenol	UG/KG	376 U	367 U	379.0 U	398.0 U	351.0 U	388.0 U
2,4-Dimethylphenol	UG/KG	376 U	367 U	379.0 U	398.0 U	351.0 U	388.0 U
2,4-Dinitrophenol	UG/KG	912 U	889 U	920.0 U	964.0 U	851.0 U	941.0 U
2,4-Dinitrotoluene	UG/KG	376 U	367 U	379.0 U	398.0 U	351.0 U	388.0 U
2,4,5-Trichlorophenol	UG/KG	912 U	889 U	920.0 U	964.0 U	851.0 U	941.0 U
2,4,6-Trichlorophenol	UG/KG	376 U	367 U	379.0 U	398.0 U	351.0 U	388.0 U
2,6-Dinitrotoluene	UG/KG	376 U	367 U	379.0 U	398.0 U	351.0 U	388.0 U
3-Nitroaniline	UG/KG	912 U	889 U	920.0 U	964.0 U	851.0 U	941.0 U
3,3'-Dichlorobenzidine	UG/KG	376 U	370 U	379.0 U	398.0 U	351.0 U	388.0 U
4-Bromophenyl-phenylether	UG/KG	376 U	367 U	379.0 U	398.0 U	351.0 U	388.0 U
4-Chloro-3-methylphenol	UG/KG	376 U	367 U	379.0 U	398.0 U	351.0 U	388.0 U
4-Chloroaniline	UG/KG	376 U	367 U	379.0 U	398.0 U	351.0 U	388.0 U
4-Chlorophenyl phenyl ether	UG/KG	376 U	367 U	379.0 U	398.0 U	351.0 U	388.0 U
4-Methylphenol	UG/KG	376 U	367 U	379.0 U	398.0 U	351.0 U	388.0 U
4-Nitroaniline	UG/KG	912 U	889 U	920.0 U	964.0 U	851.0 U	941.0 U
4-Nitrophenol	UG/KG	912 U	889 U	920.0 U	964.0 U	851.0 U	941.0 U
4,6-Dinitro-2-methylphenol	UG/KG	912 U	889 U	920.0 U	964.0 U	851.0 U	941.0 U
Acenaphthene	UG/KG	376 U	367 U	379.0 U	398.0 U	351.0 U	388.0 U
Acenaphthylene	UG/KG	376 U	367 U	379.0 U	398.0 U	351.0 U	388.0 U
Anthracene	UG/KG	376 U	367 U	379.0 U	398.0 U	351.0 U	388.0 U
Benzo[a]anthracene	UG/KG	376 U	367 U	379.0 U	398.0 U	351.0 U	388.0 U
Benzo[a]pyrene	UG/KG	376 U	367 U	379.0 U	398.0 U	351.0 U	388.0 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 74)
 FORMER DISPOSAL / POTENTIAL DISPOSAL / FORMER PEST CONTROL AREA SURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	74-FDA-SB31-00	74-FDA-SB32-00	74-FDA-SB33-00	74-FDA-SB34-00	74-FDA-SB35-00	74-FDA-SB36-00
Laboratory Sample ID:	9401148-13A	9401148-16A	9401108-04	9401108-06	9401108-07	9401108-08
Date Sampled:			01/19/94	01/19/94	01/19/94	01/19/94
Percent Solids	88	90	86.7	83.2	93.6	84.6

SEMIVOLATILES Cont.

Benzo[b]fluoranthene	UG/KG	376 U	367 U	379.0 U	398.0 U	351.0 U	388.0 U
Benzo[g,h,i]perylene	UG/KG	160 J	367 U	379.0 U	398.0 U	351.0 U	388.0 U
Benzo[k]fluoranthene	UG/KG	376 U	367 U	379.0 U	398.0 U	351.0 U	388.0 U
bis(2-Chloroethoxy) methane	UG/KG	376 U	367 U	379.0 U	398.0 U	351.0 U	388.0 U
bis(2-Chloroethyl) ether	UG/KG	376 U	367 U	379.0 U	398.0 U	351.0 U	388.0 U
bis(2-Ethylhexyl)phthalate	UG/KG	376 U	367 U	379.0 U	398.0 U	351.0 U	388.0 U
Butyl benzyl phthalate	UG/KG	376 U	367 U	379.0 U	398.0 U	351.0 U	388.0 U
Carbazole	UG/KG	376 U	367 U	379.0 U	398.0 U	351.0 U	388.0 U
Chrysene	UG/KG	376 U	367 U	379.0 U	398.0 U	351.0 U	388.0 U
Dibenzofuran	UG/KG	376 U	367 U	379.0 U	398.0 U	351.0 U	388.0 U
Dibenz[a,h]anthracene	UG/KG	376 U	367 U	379.0 U	398.0 U	351.0 U	388.0 U
Diethylphthalate	UG/KG	376 U	367 U	379.0 U	398.0 U	351.0 U	388.0 U
Dimethyl phthalate	UG/KG	376 U	367 U	379.0 U	398.0 U	351.0 U	388.0 U
di-n-Butylphthalate	UG/KG	96 J	100 J	379.0 U	398.0 U	351.0 U	83.0 J
di-n-Octylphthalate	UG/KG	376 U	367 U	379.0 U	398.0 U	351.0 U	388.0 U
Fluoranthene	UG/KG	376 U	367 U	379.0 U	398.0 U	351.0 U	388.0 U
Fluorene	UG/KG	376 U	367 U	379.0 U	398.0 U	351.0 U	388.0 U
Hexachlorobenzene	UG/KG	376 U	367 U	379.0 U	398.0 U	351.0 U	388.0 U
Hexachlorobutadiene	UG/KG	376 U	367 U	379.0 U	398.0 U	351.0 U	388.0 U
Hexachlorocyclopentadiene	UG/KG	376 U	367 U	379.0 U	398.0 U	351.0 U	388.0 U
Hexachloroethane	UG/KG	376 U	367 U	379.0 U	398.0 U	351.0 U	388.0 U
Indeno[1,2,3-cd]pyrene	UG/KG	376 U	367 U	379.0 U	398.0 U	351.0 U	388.0 U
Isophorone	UG/KG	376 U	367 U	379.0 U	398.0 U	351.0 U	388.0 U
Naphthalene	UG/KG	376 U	367 U	379.0 U	398.0 U	351.0 U	388.0 U
Nitrobenzene	UG/KG	376 U	367 U	379.0 U	398.0 U	351.0 U	388.0 U
N-Nitroso-di-n-propylamine	UG/KG	376 U	367 U	379.0 U	398.0 U	351.0 U	388.0 U
N-nitrosodiphenylamine	UG/KG	376 U	367 U	379.0 U	398.0 U	351.0 U	388.0 U
Pentachlorophenol	UG/KG	912 U	889 U	920.0 U	964.0 U	851.0 U	941.0 U
Phenanthrene	UG/KG	376 U	367 U	379.0 U	398.0 U	351.0 U	388.0 U
Phenol	UG/KG	376 U	367 U	379.0 U	398.0 U	351.0 U	388.0 U
Pyrene	UG/KG	376 U	367 U	379.0 U	398.0 U	351.0 U	388.0 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 74)
 FORMER DISPOSAL / POTENTIAL DISPOSAL / FORMER PEST CONTROL AREA SURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	74-FDA-SB31-00	74-FDA-SB32-00	74-FDA-SB33-00	74-FDA-SB34-00	74-FDA-SB35-00	74-FDA-SB36-00	
Laboratory Sample ID:	9401148-13A	9401148-16A	9401108-04	9401108-06	9401108-07	9401108-08	
Date Sampled:			01/19/94	01/19/94	01/19/94	01/19/94	
Percent Solids	88	90	86.7	83.2	93.6	84.6	
VOLATILES							
Chloromethane	UG/KG	11.4 U	11.1 UJ	11.5 UJ	12.0 UJ	10.6 U	11.8 UJ
Bromomethane	UG/KG	11.4 U	11.1 UJ	11.5 UJ	12.0 UJ	10.6 U	11.8 UJ
Vinyl chloride	UG/KG	11.4 U	11.1 UJ	11.5 UJ	12.0 UJ	10.6 U	11.8 UJ
Chloroethane	UG/KG	11.4 U	11.1 UJ	11.5 UJ	12.0 UJ	10.6 U	11.8 UJ
Methylene chloride	UG/KG	11 U	11 UJ	23.0 J	7.00 J	12.00 U	7.00 J
Acetone	UG/KG	11 UJ	11.1 UJ	53.0 J	25.0 J	12.00 UJ	49.0 J
Carbon Disulfide	UG/KG	11.4 U	11.1 UJ	11.5 UJ	12.0 UJ	10.6 U	11.8 UJ
1,1-Dichloroethene	UG/KG	11.4 U	11.1 UJ	11.5 UJ	12.0 UJ	10.6 U	11.8 UJ
1,1-Dichloroethane	UG/KG	11.4 U	11.1 UJ	11.5 UJ	12.0 UJ	10.6 U	11.8 UJ
1,2-Dichloroethene(total)	UG/KG	11.4 U	11.1 UJ	11.5 UJ	12.0 UJ	10.6 U	11.8 UJ
Chloroform	UG/KG	11.4 U	11.1 UJ	11.5 UJ	12.0 UJ	10.6 U	11.8 UJ
1,2-Dichloroethane	UG/KG	11.4 U	11.1 UJ	11.5 UJ	12.0 UJ	10.6 U	11.8 UJ
2-Butanone	UG/KG	11.4 U	11.1 UJ	11.5 UJ	12.0 UJ	10.6 U	11.8 UJ
1,1,1-Trichloroethane	UG/KG	11.4 U	11.1 UJ	11.5 UJ	12.0 UJ	10.6 U	11.8 UJ
Carbon tetrachloride	UG/KG	11.4 U	11.1 UJ	11.5 UJ	12.0 UJ	10.6 U	11.8 UJ
Bromodichloromethane	UG/KG	11.4 U	11.1 UJ	11.5 UJ	12.0 UJ	10.6 U	11.8 UJ
1,2-Dichloropropane	UG/KG	11.4 U	11.1 UJ	11.5 UJ	12.0 UJ	10.6 U	11.8 UJ
cis-1,3-Dichloropropene	UG/KG	11.4 U	11.1 UJ	11.5 UJ	12.0 UJ	10.6 U	11.8 UJ
Trichloroethene	UG/KG	11.4 U	11.1 UJ	11.5 UJ	12.0 UJ	10.6 U	11.8 UJ
Dibromochloromethane	UG/KG	11.4 U	11.1 UJ	11.5 UJ	12.0 UJ	10.6 U	11.8 UJ
1,1,2-Trichloroethane	UG/KG	11.4 U	11.1 UJ	11.5 UJ	12.0 UJ	10.6 U	11.8 UJ
Benzene	UG/KG	11.4 U	11.1 UJ	11.5 UJ	12.0 UJ	10.6 U	11.8 UJ
trans-1,3-Dichloropropene	UG/KG	11.4 U	11.1 UJ	11.5 UJ	12.0 UJ	10.6 U	11.8 UJ
Bromoform	UG/KG	11.4 U	11.1 UJ	11.5 UJ	12.0 UJ	10.6 U	11.8 UJ
4-Methyl-2-pentanone	UG/KG	11.4 U	11.1 UJ	11.5 UJ	12.0 UJ	10.6 UJ	11.8 UJ
2-Hexanone	UG/KG	11.4 U	11.1 UJ	11.5 R	12.0 R	10.6 UJ	11.8 R
Tetrachloroethene	UG/KG	11.4 U	11.1 UJ	11.5 UJ	12.0 UJ	10.6 UJ	11.8 UJ
1,1,2,2-Tetrachloroethane	UG/KG	11.4 U	11.1 UJ	11.5 UJ	12.0 UJ	10.6 UJ	11.8 UJ
Toluene	UG/KG	11.4 U	11.1 UJ	11.5 UJ	12.0 UJ	10.6 UJ	11.8 UJ
Chlorobenzene	UG/KG	11.4 U	11.1 UJ	11.5 UJ	12.0 UJ	10.6 UJ	11.8 UJ
Ethylbenzene	UG/KG	11.4 U	11.1 UJ	11.5 UJ	12.0 UJ	10.6 UJ	11.8 UJ
Styrene	UG/KG	11.4 U	11.1 UJ	11.5 UJ	12.0 UJ	10.6 UJ	11.8 UJ
Xylenes (total)	UG/KG	11.4 U	11.1 UJ	11.5 UJ	12.0 UJ	10.6 UJ	11.8 UJ

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 74)
 FORMER DISPOSAL / POTENTIAL DISPOSAL / FORMER PEST CONTROL AREA SURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	74-FDA-SB31-00	74-FDA-SB32-00	74-FDA-SB33-00	74-FDA-SB34-00	74-FDA-SB35-00	74-FDA-SB36-00	
Laboratory Sample ID:	9401148-13A	9401148-16A	9401108-04	9401108-06	9401108-07	9401108-08	
Date Sampled:			01/19/94	01/19/94	01/19/94	01/19/94	
Percent Solids	88	90	86.7	83.2	93.6	84.6	
PESTICIDE/PCBS							
alpha-BHC	UG/KG	1933 UJ	1.89 UJ	1.95 UJ	2.05 UJ	1.81 UJ	2.00 UJ
beta-BHC	UG/KG	1933 UJ	1.89 U	1.95 UJ	2.05 UJ	1.81 UJ	2.00 R
delta-BHC	UG/KG	1933 UJ	1.89 UJ	1.95 UJ	2.05 UJ	1.81 UJ	2.00 UJ
Lindane (gamma-BHC)	UG/KG	1933 UJ	1.89 U	1.95 UJ	2.05 UJ	1.81 UJ	2.00 UJ
Heptachlor	UG/KG	1933 UJ	1.89 U	0.65 J	2.05 UJ	0.20 NJ	2.00 UJ
Aldrin	UG/KG	1933 UJ	1.89 U	1.95 UJ	2.05 UJ	1.81 UJ	2.00 UJ
Heptachlor epoxide	UG/KG	1933 UJ	1.89 U	1.15 NJ	2.05 UJ	1.81 UJ	2.00 UJ
Endosulfan I	UG/KG	1933 UJ	1.89 U	1.95 UJ	2.05 UJ	1.81 UJ	2.00 UJ
Dieldrin	UG/KG	37.52 UJ	3.67 U	3.79 UJ	3.98 UJ	3.51 UJ	3.88 UJ
4,4'-DDE	UG/KG	37.52 UJ	3.67 U	3.79 UJ	11.01 J	1.410 J	0.720 NJ
Endrin	UG/KG	37.52 UJ	3.67 U	3.79 UJ	3.98 UJ	3.51 UJ	3.88 UJ
Endosulfan II	UG/KG	37.52 UJ	3.67 U	3.79 UJ	3.98 UJ	3.51 UJ	3.88 UJ
4,4'-DDD	UG/KG	37.52 UJ	3.67 U	3.79 UJ	0.92 J	0.41 J	3.88 UJ
Endosulfan sulfate	UG/KG	37.52 UJ	3.67 U	3.79 UJ	3.98 UJ	3.51 UJ	3.88 UJ
4,4'-DDT	UG/KG	37.52 UJ	3.67 UJ	3.79 UJ	6.23 J	3.51 UJ	3.88 UJ
Methoxychlor	UG/KG	193.3 UJ	18.9 UJ	19.5 UJ	20.5 UJ	18.1 UJ	20.0 UJ
Endrin ketone	UG/KG	3.76 UJ	3.67 U	3.79 UJ	3.98 UJ	3.51 UJ	3.88 UJ
Endrin aldehyde	UG/KG	37.52 UJ	3.67 U	3.79 UJ	3.98 UJ	3.51 UJ	3.88 U
alpha-Chlordane	UG/KG	19.33 UJ	1.89 U	1.95 UJ	2.05 UJ	1.81 UJ	2.00 UJ
gamma-Chlordane	UG/KG	19.33 UJ	1.89 U	1.95 UJ	2.05 UJ	1.81 UJ	2.00 UJ
Toxaphene	UG/KG	1932 UJ	189 U	195.0 UJ	205.0 UJ	181.0 UJ	200.0 U
Aroclor 1016	UG/KG	375.2 UJ	36.7 U	37.9 UJ	39.8 UJ	35.1 UJ	38.8 U
Aroclor 1221	UG/KG	761.7 UJ	74.4 U	77.0 UJ	80.7 UJ	71.3 UJ	78.8 U
Aroclor 1232	UG/KG	375.2 UJ	36.7 U	37.9 UJ	39.8 UJ	35.1 UJ	38.8 U
Aroclor 1242	UG/KG	375.2 UJ	36.7 U	37.9 UJ	39.8 UJ	35.1 UJ	38.8 U
Aroclor 1248	UG/KG	375.2 UJ	36.7 U	37.9 UJ	39.8 UJ	35.1 UJ	38.8 U
Aroclor 1254	UG/KG	375.2 UJ	36.7 U	37.9 UJ	39.8 UJ	35.1 UJ	38.8 U
Aroclor 1260	UG/KG	375.2 UJ	36.7 U	37.9 UJ	39.8 UJ	35.1 UJ	38.8 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 74)
 FORMER DISPOSAL / POTENTIAL DISPOSAL / FORMER PEST CONTROL AREA SURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	74-FDA-SB31-00	74-FDA-SB32-00	74-FDA-SB33-00	74-FDA-SB34-00	74-FDA-SB35-00	74-FDA-SB36-00
Laboratory Sample ID:	9401148-13A	9401148-16A	9401108-04	9401108-06	9401108-07	9401108-08
Date Sampled:			01/19/94	01/19/94	01/19/94	01/19/94
Percent Solids	88	90	86.7	83.2	93.6	84.6
CHEMICAL SURETY						
Acetophenone	UG/KG	376 U	367 U	379.0 U	398.0 U	388.0 U
Chloroacetophenone	UG/KG	376 U	367 U	379.0 U	398.0 U	388.0 U
Hydroxyacetophenone	UG/KG	1880 U	1830 U	1900.0 U	1990.0 U	1940.0 U
Bis(2'-chloroethyl)disulfide	UG/KG	1880 U	1830 U	1900.0 U	1990.0 U	1940.0 U
Bis(2'-chloroethyl)trisulfide	UG/KG	1880 U	1830 U	1900.0 U	1990.0 U	1940.0 U
1,4-Dithiane	UG/KG	376 U	367 U	379.0 U	398.0 U	388.0 U
1,4-Oxathiane	UG/KG	376 U	367 U	379.0 U	398.0 U	388.0 U
THIODIGLYCOL						
Thiodiglycol	MG/KG	7.12 U	6.94 U	7.19 R	7.50 R	7.38 R

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 74)
 FORMER DISPOSAL / POTENTIAL DISPOSAL / FORMER PEST CONTROL AREA SURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	74-FDA-SB37-00	74-PDA-SB01-00	74-PDA-SB02-00	74-PDA-SB03-00	74-PDA-SB04-00	74-PDA-SB06-00
Laboratory Sample ID:	9401108-09	9402181-01	9402181-04	9402181-07	9402181-10	9402182-04
Date Sampled:	01/19/94					
Percent Solids	87.2	90.8	90.2	74.4	82.1	73
SEMIVOLATILES						
1,2-Dichlorobenzene	UG/KG 379.0 U	363 U	367 U	892 U	806 U	904 U
1,2,4-Trichlorobenzene	UG/KG 379.0 U	363 U	367 U	892 U	806 U	904 U
1,3-Dichlorobenzene	UG/KG 379.0 U	363 U	367 U	892 U	806 U	904 U
1,4-Dichlorobenzene	UG/KG 379.0 U	363 U	367 U	892 U	806 U	904 U
2-Chloronaphthalene	UG/KG 379.0 U	363 U	367 U	892 U	806 U	904 U
2-Chlorophenol	UG/KG 379.0 U	363 U	367 U	892 U	806 U	904 U
2-Methylnaphthalene	UG/KG 379.0 U	363 U	367 U	892 U	806 U	904 U
2-Methylphenol	UG/KG 379.0 U	363 U	367 U	892 U	806 U	904 U
2-Nitroaniline	UG/KG 919.0 U	880 U	889 U	2160 U	1952 U	2200 U
2-Nitrophenol	UG/KG 379.0 U	363 U	367 U	892 U	806 U	904 U
2,2'-oxybis-(1-chloropropane)	UG/KG 379.0 U	363 U	367 U	892 U	806 U	904 U
2,4-Dichlorophenol	UG/KG 379.0 U	363 U	367 U	892 U	806 U	904 U
2,4-Dimethylphenol	UG/KG 379.0 U	363 U	367 U	892 U	806 U	904 U
2,4-Dinitrophenol	UG/KG 919.0 U	880 U	889 U	2160 U	1952 U	2200 U
2,4-Dinitrotoluene	UG/KG 379.0 U	363 U	367 U	892 U	806 U	904 U
2,4,5-Trichlorophenol	UG/KG 919.0 U	880 U	889 U	2160 U	1952 U	2200 U
2,4,6-Trichlorophenol	UG/KG 379.0 U	363 U	367 U	892 U	806 U	904 U
2,6-Dinitrotoluene	UG/KG 379.0 U	363 U	367 U	892 U	806 U	904 U
3-Nitroaniline	UG/KG 919.0 U	880 U	889 U	2160 U	1952 U	2200 U
3,3'-Dichlorobenzidine	UG/KG 379.0 U	363 U	367 U	892 U	806 U	904 U
4-Bromophenyl-phenylether	UG/KG 379.0 U	363 U	367 U	892 U	806 U	904 U
4-Chloro-3-methylphenol	UG/KG 379.0 U	54 J	367 U	892 U	806 U	904 U
4-Chloroaniline	UG/KG 379.0 U	363 U	367 U	892 U	806 U	904 U
4-Chlorophenyl phenyl ether	UG/KG 379.0 U	363 U	367 U	892 U	806 U	904 U
4-Methylphenol	UG/KG 379.0 U	363 U	367 U	892 U	806 U	904 U
4-Nitroaniline	UG/KG 919.0 U	880 U	889 U	2160 U	1952 U	2200 U
4-Nitrophenol	UG/KG 919.0 U	880 U	889 U	2160 U	1952 U	2200 U
4,6-Dinitro-2-methylphenol	UG/KG 919.0 U	880 U	889 U	2160 U	1952 U	2200 U
Acenaphthene	UG/KG 379.0 U	39 J	367 U	892 U	806 U	904 U
Acenaphthylene	UG/KG 379.0 U	363 U	367 U	892 U	806 U	904 U
Anthracene	UG/KG 379.0 U	363 U	367 U	892 U	806 U	904 U
Benzo[a]anthracene	UG/KG 379.0 U	363 U	367 U	892 U	806 U	904 U
Benzo[a]pyrene	UG/KG 379.0 U	363 U	367 U	892 U	806 U	904 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 74)
 FORMER DISPOSAL / POTENTIAL DISPOSAL / FORMER PEST CONTROL AREA SURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	74-FDA-SB37-00	74-PDA-SB01-00	74-PDA-SB02-00	74-PDA-SB03-00	74-PDA-SB04-00	74-PDA-SB06-00
Laboratory Sample ID:	9401108-09	9402181-01	9402181-04	9402181-07	9402181-10	9402182-04
Date Sampled:	01/19/94					
Percent Solids	87.2	90.8	90.2	74.4	82.1	73

SEMIVOLATILES Cont.

Benzo[b]fluoranthene	UG/KG	379.0 U	363 U	367 U	892 U	806 U	904 U
Benzo[g,h,i]perylene	UG/KG	379.0 U	363 U	367 U	892 U	806 U	904 U
Benzo[k]fluoranthene	UG/KG	379.0 U	363 U	367 U	892 U	806 U	904 U
bis(2-Chloroethoxy) methane	UG/KG	379.0 U	363 U	367 U	892 U	806 U	904 U
bis(2-Chloroethyl) ether	UG/KG	379.0 U	363 U	367 U	892 U	806 U	904 U
bis(2-Ethylhexyl)phthalate	UG/KG	379.0 U	370 UJ	370 U	892 U	806 U	904 U
Butyl benzyl phthalate	UG/KG	379.0 U	363 U	367 U	892 U	806 U	904 U
Carbazole	UG/KG	379.0 U	363 U	367 U	892 U	806 U	904 U
Chrysene	UG/KG	379.0 U	363 U	367 U	892 U	806 U	904 U
Dibenzofuran	UG/KG	379.0 U	363 U	367 U	892 U	806 U	904 U
Dibenz[a,h]anthracene	UG/KG	379.0 U	363 U	367 U	892 U	806 U	904 U
Diethylphthalate	UG/KG	379.0 U	363 U	367 U	892 U	866	904 U
Dimethyl phthalate	UG/KG	379.0 U	363 U	367 U	892 U	806 U	904 U
di-n-Butylphthalate	UG/KG	379.0 U	370 UJ	370 U	892 U	810 U	910 U
di-n-Octylphthalate	UG/KG	379.0 U	363 U	367 U	892 U	806 U	904 U
Fluoranthene	UG/KG	379.0 U	363 U	367 U	892 U	806 U	904 U
Fluorene	UG/KG	379.0 U	363 U	367 U	892 U	806 U	904 U
Hexachlorobenzene	UG/KG	379.0 U	363 U	367 U	892 U	806 U	904 U
Hexachlorobutadiene	UG/KG	379.0 U	363 U	367 U	892 U	806 U	904 U
Hexachlorocyclopentadiene	UG/KG	379.0 U	363 U	367 U	892 U	806 U	904 U
Hexachloroethane	UG/KG	379.0 U	363 U	367 U	892 U	806 U	904 U
Indeno[1,2,3-cd]pyrene	UG/KG	379.0 U	363 U	367 U	892 U	806 U	904 U
Isophorone	UG/KG	379.0 U	363 U	367 U	892 U	806 U	904 U
Naphthalene	UG/KG	379.0 U	363 U	367 U	892 U	806 U	904 U
Nitrobenzene	UG/KG	379.0 U	363 U	367 U	892 U	806 U	904 U
N-Nitroso-di-n-propylamine	UG/KG	379.0 U	363 U	367 U	892 U	806 U	904 U
N-nitrosodiphenylamine	UG/KG	379.0 U	363 U	367 U	892 U	806 U	904 U
Pentachlorophenol	UG/KG	919.0 U	880 U	889 U	2160 U	1952 U	2200 U
Phenanthrene	UG/KG	379.0 U	363 U	367 U	892 U	806 U	904 U
Phenol	UG/KG	379.0 U	363 U	367 U	892 U	806 U	904 U
Pyrene	UG/KG	379.0 U	38 J	367 U	892 U	806 U	904 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 74)
 FORMER DISPOSAL / POTENTIAL DISPOSAL / FORMER PEST CONTROL AREA SURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	74-FDA-SB37-00	74-PDA-SB01-00	74-PDA-SB02-00	74-PDA-SB03-00	74-PDA-SB04-00	74-PDA-SB06-00	
Laboratory Sample ID:	9401108-09	9402181-01	9402181-04	9402181-07	9402181-10	9402182-04	
Date Sampled:	01/19/94						
Percent Solids	87.2	90.8	90.2	74.4	82.1	73	
VOLATILES							
Chloromethane	UG/KG	11.5 UJ	11 U	11 U	14 U	12 U	13.7 U
Bromomethane	UG/KG	11.5 UJ	11 U	11 U	14 U	12 U	13.7 U
Vinyl chloride	UG/KG	11.5 UJ	11 U	11 U	14 U	12 U	13.7 U
Chloroethane	UG/KG	11.5 UJ	11 U	11 U	14 U	12 U	13.7 U
Methylene chloride	UG/KG	9.00 J	11 U	11 U	14 U	14 U	14 U
Acetone	UG/KG	14.0 J	11 U	11 U	14 U	12 U	36
Carbon Disulfide	UG/KG	11.5 UJ	11 U	11 U	14 U	12 U	13.7 U
1,1-Dichloroethene	UG/KG	11.5 UJ	11 U	11 U	14 U	12 U	13.7 U
1,1-Dichloroethane	UG/KG	11.5 UJ	11 U	11 U	14 U	12 U	13.7 U
1,2-Dichloroethene(total)	UG/KG	11.5 UJ	11 U	11 U	14 U	12 U	13.7 U
Chloroform	UG/KG	11.5 UJ	11 U	11 U	14 U	12 U	13.7 U
1,2-Dichloroethane	UG/KG	11.5 UJ	11 U	11 U	14 U	12 U	13.7 U
2-Butanone	UG/KG	11.5 UJ	11 U	11 U	14 U	12 U	13.7 U
1,1,1-Trichloroethane	UG/KG	11.5 UJ	11 U	11 U	14 U	12 U	13.7 U
Carbon tetrachloride	UG/KG	11.5 UJ	11 U	11 U	14 U	12 U	13.7 U
Bromodichloromethane	UG/KG	11.5 UJ	11 U	11 U	14 U	12 U	13.7 U
1,2-Dichloropropane	UG/KG	11.5 UJ	11 U	11 U	14 U	12 U	13.7 U
cis-1,3-Dichloropropene	UG/KG	11.5 UJ	11 U	11 U	14 U	12 U	13.7 U
Trichloroethene	UG/KG	11.5 UJ	11 U	11 U	14 U	12 U	13.7 U
Dibromochloromethane	UG/KG	11.5 UJ	11 U	11 U	14 U	12 U	13.7 U
1,1,2-Trichloroethane	UG/KG	11.5 UJ	11 U	11 U	14 U	12 U	13.7 U
Benzene	UG/KG	11.5 UJ	11 U	11 U	14 U	12 U	13.7 U
trans-1,3-Dichloropropene	UG/KG	11.5 UJ	11 U	11 U	14 U	12 U	13.7 U
Bromoform	UG/KG	11.5 UJ	11 U	11 U	14 U	12 U	13.7 U
4-Methyl-2-pentanone	UG/KG	11.5 UJ	11 U	11 U	14 U	12 U	13.7 U
2-Hexanone	UG/KG	11.5 R	11 U	11 U	14 U	12 U	13.7 U
Tetrachloroethene	UG/KG	11.5 UJ	11 U	11 U	14 U	12 U	13.7 U
1,1,2,2-Tetrachloroethane	UG/KG	11.5 UJ	11 U	11 U	14 U	12 U	13.7 U
Toluene	UG/KG	2.0 J	11 U	11 U	14 U	12 U	13.7 U
Chlorobenzene	UG/KG	11.5 UJ	11 U	11 U	14 U	12 U	13.7 U
Ethylbenzene	UG/KG	11.5 UJ	11 U	11 U	14 U	12 U	13.7 U
Styrene	UG/KG	1.0 J	11 U	11 U	14 U	12 U	13.7 U
Xylenes (total)	UG/KG	11.5 UJ	11 U	11 U	14 U	12 U	13.7 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 74)
 FORMER DISPOSAL / POTENTIAL DISPOSAL / FORMER PEST CONTROL AREA SURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	74-FDA-SB37-00	74-PDA-SB01-00	74-PDA-SB02-00	74-PDA-SB03-00	74-PDA-SB04-00	74-PDA-SB06-00
Laboratory Sample ID:	9401108-09	9402181-01	9402181-04	9402181-07	9402181-10	9402182-04
Date Sampled:	01/19/94					
Percent Solids	87.2	90.8	90.2	74.4	82.1	73
<u>PESTICIDE/PCBS</u>						
alpha-BHC	UG/KG	1.95 UJ	1.87 UJ	1.89 UJ	2.3 UJ	2.33 UJ
beta-BHC	UG/KG	1.95 UJ	1.87 UJ	1.89 UJ	2.3 UJ	2.33 UJ
delta-BHC	UG/KG	1.95 UJ	1.87 UJ	1.89 UJ	2.3 UJ	2.33 UJ
Lindane (gamma-BHC)	UG/KG	1.95 UJ	1.87 UJ	1.89 UJ	2.3 UJ	2.33 UJ
Heptachlor	UG/KG	1.95 UJ	1.87 UJ	1.89 UJ	2.3 UJ	2.33 UJ
Aldrin	UG/KG	1.95 UJ	1.87 UJ	1.89 UJ	2.3 UJ	2.33 UJ
Heptachlor epoxide	UG/KG	1.95 UJ	1.87 UJ	1.89 UJ	2.3 UJ	2.33 UJ
Endosulfan I	UG/KG	1.95 UJ	1.87 UJ	1.89 UJ	2.3 UJ	2.33 UJ
Dieldrin	UG/KG	0.57 NJ	3.63 UJ	3.67 UJ	4.46 UJ	4.52 UJ
4,4'-DDE	UG/KG	1.190 J	3.63 UJ	3.67 UJ	4.46 UJ	5.23 J
Endrin	UG/KG	3.79 UJ	3.63 UJ	3.67 UJ	4.46 UJ	4.52 UJ
Endosulfan II	UG/KG	3.79 UJ	3.63 UJ	3.67 UJ	4.46 UJ	4.52 UJ
4,4'-DDD	UG/KG	3.79 UJ	3.63 UJ	3.67 UJ	4.46 UJ	3700 J
Endosulfan sulfate	UG/KG	3.79 UJ	3.63 UJ	3.67 UJ	4.46 UJ	4.52 UJ
4,4'-DDT	UG/KG	3.79 UJ	3.63 UJ	3.67 UJ	4.46 UJ	1119 J
Methoxychlor	UG/KG	19.5 UJ	18.7 UJ	18.9 UJ	23 UJ	23.3 UJ
Endrin ketone	UG/KG	3.79 UJ	3.63 UJ	3.67 UJ	4.46 UJ	4.52 UJ
Endrin aldehyde	UG/KG	3.79 UJ	3.63 UJ	3.67 UJ	4.46 UJ	4.52 UJ
alpha-Chlordane	UG/KG	1.95 UJ	1.87 UJ	1.89 UJ	2.3 UJ	2.33 UJ
gamma-Chlordane	UG/KG	1.95 UJ	1.87 UJ	1.89 UJ	2.3 UJ	2.33 UJ
Toxaphene	UG/KG	195.0 UJ	187 UJ	189 UJ	230 UJ	233 UJ
Aroclor 1016	UG/KG	37.9 UJ	36.3 UJ	36.7 UJ	44.6 UJ	45.2 UJ
Aroclor 1221	UG/KG	77.0 UJ	73.6 UJ	74.4 UJ	90.5 UJ	91.8 UJ
Aroclor 1232	UG/KG	37.9 UJ	36.3 UJ	36.7 UJ	44.6 UJ	45.2 UJ
Aroclor 1242	UG/KG	37.9 UJ	36.3 UJ	36.7 UJ	44.6 UJ	45.2 UJ
Aroclor 1248	UG/KG	37.9 UJ	36.3 UJ	36.7 UJ	44.6 UJ	45.2 UJ
Aroclor 1254	UG/KG	37.9 UJ	36.3 UJ	36.7 UJ	44.6 UJ	45.2 UJ
Aroclor 1260	UG/KG	37.9 UJ	36.3 UJ	36.7 UJ	44.6 UJ	45.2 UJ

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 74)
 FORMER DISPOSAL / POTENTIAL DISPOSAL / FORMER PEST CONTROL AREA SURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	74-FDA-SB37-00	74-PDA-SB01-00	74-PDA-SB02-00	74-PDA-SB03-00	74-PDA-SB04-00	74-PDA-SB06-00
Laboratory Sample ID:	9401108-09	9402181-01	9402181-04	9402181-07	9402181-10	9402182-04
Date Sampled:	01/19/94					
Percent Solids	87.2	90.8	90.2	74.4	82.1	73
<u>CHEMICAL SURETY</u>						
Acetophenone	UG/KG	379.0 U	N/A	N/A	N/A	N/A
Chloroacetophenone	UG/KG	379.0 U	N/A	N/A	N/A	N/A
Hydroxyacetophenone	UG/KG	1900.0 U	N/A	N/A	N/A	N/A
Bis(2'-chloroethyl)disulfide	UG/KG	1900.0 U	N/A	N/A	N/A	N/A
Bis(2'-chloroethyl)trisulfide	UG/KG	1900.0 U	N/A	N/A	N/A	N/A
1,4-Dithiane	UG/KG	379.0 U	N/A	N/A	N/A	N/A
1,4-Oxathiane	UG/KG	379.0 U	N/A	N/A	N/A	N/A
<u>THIODIGLYCOL</u>						
Thiodiglycol	MG/KG	7.19 R	N/A	N/A	N/A	N/A

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 74)
 FORMER DISPOSAL / POTENTIAL DISPOSAL / FORMER PEST CONTROL AREA SURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	74-PDA-SB07-00	74-PDA-SB08-00	74-PDA-SB09-00	74-PDA-SB10-00	74-PDA-SB11-00	74-PDA-SB12-00
Laboratory Sample ID:	9402179-03	9402182-08	9402179-06	9402179-09	9401133-02	9401133-03
Date Sampled:						
Percent Solids	94.3	92.8	94.1	92.7	89.8	90
SEMIVOLATILES						
1,2-Dichlorobenzene	UG/KG	710 U	720 U	710 U	720 U	367 U
1,2,4-Trichlorobenzene	UG/KG	710 U	720 U	710 U	720 U	367 U
1,3-Dichlorobenzene	UG/KG	710 U	720 U	710 U	720 U	367 U
1,4-Dichlorobenzene	UG/KG	710 U	720 U	710 U	720 U	367 U
2-Chloronaphthalene	UG/KG	710 U	720 U	710 U	720 U	367 U
2-Chlorophenol	UG/KG	710 U	720 U	710 U	720 U	367 U
2-Methylnaphthalene	UG/KG	710 U	720 U	710 U	720 U	367 U
2-Methylphenol	UG/KG	710 U	720 U	710 U	720 U	367 U
2-Nitroaniline	UG/KG	1800 U	1800 U	1800 U	1800 U	889 U
2-Nitrophenol	UG/KG	710 U	720 U	710 U	720 U	367 U
2,2'-oxybis-(1-chloropropane)	UG/KG	710 U	720 U	710 UJ	720 U	367 U
2,4-Dichlorophenol	UG/KG	710 U	720 U	710 U	720 U	367 U
2,4-Dimethylphenol	UG/KG	710 U	720 U	710 U	720 U	367 U
2,4-Dinitrophenol	UG/KG	1800 U	1800 U	1800 UJ	1800 U	889 U
2,4-Dinitrotoluene	UG/KG	710 U	720 U	710 U	720 U	367 U
2,4,5-Trichlorophenol	UG/KG	1800 U	1800 U	1800 U	1800 U	889 U
2,4,6-Trichlorophenol	UG/KG	710 U	720 U	710 U	720 U	367 U
2,6-Dinitrotoluene	UG/KG	710 U	720 U	710 U	720 U	367 U
3-Nitroaniline	UG/KG	1800 U	1800 U	1800 U	1800 U	889 UJ
3,3'-Dichlorobenzidine	UG/KG	710 U	720 U	710 U	720 U	367 U
4-Bromophenyl-phenylether	UG/KG	710 U	720 U	710 U	720 U	367 U
4-Chloro-3-methylphenol	UG/KG	710 U	720 U	710 U	720 U	367 U
4-Chloroaniline	UG/KG	710 U	720 U	710 U	720 U	367 U
4-Chlorophenyl phenyl ether	UG/KG	710 U	720 U	710 U	720 U	367 U
4-Methylphenol	UG/KG	710 U	720 U	710 U	720 U	367 U
4-Nitroaniline	UG/KG	1800 U	1800 U	1800 U	1800 U	889 U
4-Nitrophenol	UG/KG	1800 U	1800 U	1800 UJ	1800 U	889 U
4,6-Dinitro-2-methylphenol	UG/KG	1800 U	1800 U	1800 U	1800 U	889 U
Acenaphthene	UG/KG	710 U	720 U	710 U	720 U	367 U
Acenaphthylene	UG/KG	710 U	720 U	710 U	720 U	367 U
Anthracene	UG/KG	710 U	720 U	710 U	720 U	367 U
Benzo[a]anthracene	UG/KG	710 U	720 U	710 U	720 U	367 U
Benzo[a]pyrene	UG/KG	710 U	720 U	710 U	720 U	367 U

FREQUENCY OF DETECTION SUMMARY
OPERABLE UNIT NO. 4 (SITE 74)
FORMER DISPOSAL / POTENTIAL DISPOSAL / FORMER PEST CONTROL AREA SURFACE SOIL
MCB CAMP LEJEUNE, NORTH CAROLINA
REMEDIAL INVESTIGATION - CTO-0212
ORGANICS

Client Sample ID:	74-PDA-SB07-00	74-PDA-SB08-00	74-PDA-SB09-00	74-PDA-SB10-00	74-PDA-SB11-00	74-PDA-SB12-00
Laboratory Sample ID:	9402179-03	9402182-08	9402179-06	9402179-09	9401133-02	9401133-03
Date Sampled:						
Percent Solids	94.3	92.8	94.1	92.7	89.8	90

SEMIVOLATILES Cont.

Benzo[b]fluoranthene	UG/KG	710 U	720 U	710 U	720 U	367 U	367 U
Benzo[g,h,i]perylene	UG/KG	710 U	720 U	710 U	720 U	367 U	367 U
Benzo[k]fluoranthene	UG/KG	710 U	720 U	710 U	720 U	367 U	367 U
bis(2-Chloroethoxy) methane	UG/KG	710 U	720 U	710 U	720 U	367 U	367 U
bis(2-Chloroethyl) ether	UG/KG	710 U	720 U	710 U	720 U	367 U	367 U
bis(2-Ethylhexyl)phthalate	UG/KG	710 U	720 U	710 U	720 U	367 U	367 U
Butyl benzyl phthalate	UG/KG	710 U	720 U	710 U	720 U	367 U	367 U
Carbazole	UG/KG	710 U	720 U	710 U	720 U	367 U	367 U
Chrysene	UG/KG	710 U	720 U	710 U	720 U	367 U	367 U
Dibenzofuran	UG/KG	710 U	720 U	710 U	720 U	367 U	367 U
Dibenz[a,h]anthracene	UG/KG	710 U	720 U	710 U	720 U	367 U	367 U
Diethylphthalate	UG/KG	710 U	86 J	710 U	720 U	367 U	367 U
Dimethyl phthalate	UG/KG	710 U	720 U	710 U	720 U	367 U	367 U
di-n-Butylphthalate	UG/KG	710 U	720 U	710 U	720 U	370 U	367 U
di-n-Octylphthalate	UG/KG	710 U	720 U	710 U	720 U	367 U	367 U
Fluoranthene	UG/KG	710 U	720 U	710 U	720 U	367 U	367 U
Fluorene	UG/KG	710 U	720 U	710 U	720 U	367 U	367 U
Hexachlorobenzene	UG/KG	710 U	720 U	710 U	720 U	367 U	367 U
Hexachlorobutadiene	UG/KG	710 U	720 U	710 U	720 U	367 U	367 U
Hexachlorocyclopentadiene	UG/KG	710 U	720 U	710 U	720 U	367 U	367 U
Hexachloroethane	UG/KG	710 U	720 U	710 U	720 U	367 U	367 U
Indeno[1,2,3-cd]pyrene	UG/KG	710 U	720 U	710 U	720 U	367 U	367 U
Isophorone	UG/KG	710 U	720 U	710 U	720 U	367 U	367 U
Naphthalene	UG/KG	710 U	720 U	710 U	720 U	367 U	367 U
Nitrobenzene	UG/KG	710 U	720 U	710 U	720 U	367 U	367 U
N-Nitroso-di-n-propylamine	UG/KG	710 U	720 U	710 U	720 U	367 U	367 U
N-nitrosodiphenylamine	UG/KG	710 U	720 U	710 U	720 U	367 U	367 U
Pentachlorophenol	UG/KG	1800 U	1800 U	1800 U	1800 U	889 U	889 U
Phenanthrene	UG/KG	710 U	720 U	710 U	720 U	367 U	367 U
Phenol	UG/KG	710 U	720 U	710 U	720 U	367 U	367 U
Pyrene	UG/KG	710 U	720 U	710 U	720 U	367 U	367 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 74)
 FORMER DISPOSAL / POTENTIAL DISPOSAL / FORMER PEST CONTROL AREA SURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	74-PDA-SB07-00	74-PDA-SB08-00	74-PDA-SB09-00	74-PDA-SB10-00	74-PDA-SB11-00	74-PDA-SB12-00
Laboratory Sample ID:	9402179-03	9402182-08	9402179-06	9402179-09	9401133-02	9401133-03
Date Sampled:						
Percent Solids	94.3	92.8	94.1	92.7	89.8	90
VOLATILES						
Chloromethane	UG/KG	11 U	10.8 U	11 U	11 U	11.1 U
Bromomethane	UG/KG	11 U	10.8 U	11 U	11 U	11.1 U
Vinyl chloride	UG/KG	11 U	10.8 U	11 U	11 U	11.1 U
Chloroethane	UG/KG	11 U	10.8 U	11 U	11 U	11.1 U
Methylene chloride	UG/KG	11 U	11 U	11.3 U	11 U	11 U
Acetone	UG/KG	11 U	9 J	16 J	11 U	11 UJ
Carbon Disulfide	UG/KG	11 U	10.8 U	11 U	11 U	11.1 U
1,1-Dichloroethene	UG/KG	11 U	10.8 U	11 U	11 U	11.1 U
1,1-Dichloroethane	UG/KG	11 U	10.8 U	11 U	11 U	11.1 U
1,2-Dichloroethene(total)	UG/KG	11 U	10.8 U	11 U	11 U	11.1 U
Chloroform	UG/KG	11 U	10.8 U	11 U	11 U	11.1 U
1,2-Dichloroethane	UG/KG	11 U	10.8 U	11 U	11 U	11.1 U
2-Butanone	UG/KG	11 U	10.8 U	11 U	11 U	11.1 U
1,1,1-Trichloroethane	UG/KG	11 U	10.8 U	11 U	11 U	11.1 U
Carbon tetrachloride	UG/KG	11 U	10.8 U	11 U	11 U	11.1 U
Bromodichloromethane	UG/KG	11 U	10.8 U	11 U	11 U	11.1 U
1,2-Dichloropropane	UG/KG	11 U	10.8 U	11 U	11 U	11.1 U
cis-1,3-Dichloropropene	UG/KG	11 U	10.8 U	11 U	11 U	11.1 U
Trichloroethene	UG/KG	11 U	10.8 U	11 U	11 U	3 J
Dibromochloromethane	UG/KG	11 U	10.8 U	11 U	11 U	11.1 U
1,1,2-Trichloroethane	UG/KG	11 U	10.8 U	11 U	11 U	11.1 U
Benzene	UG/KG	11 U	10.8 U	11 U	11 U	11.1 U
trans-1,3-Dichloropropene	UG/KG	11 U	10.8 U	11 U	11 U	11.1 U
Bromoform	UG/KG	11 U	10.8 U	11 U	11 U	11.1 U
4-Methyl-2-pentanone	UG/KG	11 UJ	10.8 U	11 U	11 U	11.1 U
2-Hexanone	UG/KG	11 UJ	10.8 U	11 U	11 U	11.1 U
Tetrachloroethene	UG/KG	11 UJ	10.8 U	11 U	11 U	11.1 U
1,1,2,2-Tetrachloroethane	UG/KG	11 UJ	10.8 U	11 U	11 U	11.1 U
Toluene	UG/KG	11 UJ	1 J	11 U	11 U	11.1 U
Chlorobenzene	UG/KG	11 UJ	10.8 U	11 U	11 U	11.1 U
Ethylbenzene	UG/KG	11 UJ	10.8 U	11 U	11 U	11.1 U
Styrene	UG/KG	11 UJ	10.8 U	11 U	11 U	11.1 U
Xylenes (total)	UG/KG	11 UJ	10.8 U	11 U	11 U	11.1 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 74)
 FORMER DISPOSAL / POTENTIAL DISPOSAL / FORMER PEST CONTROL AREA SURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	74-PDA-SB07-00	74-PDA-SB08-00	74-PDA-SB09-00	74-PDA-SB10-00	74-PDA-SB11-00	74-PDA-SB12-00
Laboratory Sample ID:	9402179-03	9402182-08	9402179-06	9402179-09	9401133-02	9401133-03
Date Sampled:						
Percent Solids	94.3	92.8	94.1	92.7	89.8	90
PESTICIDE/PCBS						
alpha-BHC	UG/KG	1.81 UJ	1.83 UJ	1.81 UJ	1.83 UJ	1.89 UJ
beta-BHC	UG/KG	1.81 UJ	1.83 UJ	1.81 UJ	1.83 UJ	1.89 U
delta-BHC	UG/KG	1.81 UJ	1.83 UJ	1.81 UJ	1.83 UJ	1.89 UJ
Lindane (gamma-BHC)	UG/KG	1.81 UJ	1.83 UJ	1.81 UJ	1.83 UJ	1.89 U
Heptachlor	UG/KG	1.81 U	1.83 U	1.81 UJ	1.83 U	1.89 U
Aldrin	UG/KG	1.81 U	1.83 U	1.81 UJ	1.83 U	1.89 U
Heptachlor epoxide	UG/KG	1.81 U	1.83 U	1.81 UJ	1.83 U	1.89 U
Endosulfan I	UG/KG	1.81 U	1.83 U	1.81 UJ	1.83 U	1.89 U
Dieldrin	UG/KG	3.51 U	3.55 U	3.51 UJ	3.55 U	0.32 J
4,4'-DDE	UG/KG	8.36 J	2.28 J	3.51 UJ	3.55 U	1.56 J
Endrin	UG/KG	3.51 U	3.55 U	3.51 UJ	3.55 U	3.67 U
Endosulfan II	UG/KG	3.51 U	3.55 U	3.51 UJ	3.55 U	3.67 U
4,4'-DDD	UG/KG	3.51 UJ	1.67 J	3.51 UJ	3.55 UJ	0.98 NJ
Endosulfan sulfate	UG/KG	3.51 U	3.55 U	3.51 UJ	3.55 U	3.67 U
4,4'-DDT	UG/KG	4.86 J	3.03 J	3.51 UJ	3.55 UJ	1.02 NJ
Methoxychlor	UG/KG	18.1 U	18.3 U	18.1 UJ	18.3 U	18.9 UJ
Endrin ketone	UG/KG	3.51 U	3.55 U	3.51 UJ	3.55 U	3.67 U
Endrin aldehyde	UG/KG	3.51 U	3.55 U	3.51 UJ	3.55 U	0.5 NJ
alpha-Chlordane	UG/KG	1.81 U	1.83 U	1.81 UJ	1.83 U	0.44 J
gamma-Chlordane	UG/KG	1.81 U	1.83 U	1.81 UJ	1.83 U	0.79 J
Toxaphene	UG/KG	181 U	183 U	181 UJ	183 U	189 U
Aroclor 1016	UG/KG	35.1 U	35.5 U	35.1 UJ	35.5 U	36.7 U
Aroclor 1221	UG/KG	71.3 U	72 U	71.3 UJ	72 U	74.4 U
Aroclor 1232	UG/KG	35.1 U	35.5 U	35.1 UJ	35.5 U	36.7 U
Aroclor 1242	UG/KG	35.1 U	35.5 U	35.1 UJ	35.5 U	36.7 U
Aroclor 1248	UG/KG	35.1 U	35.5 U	35.1 UJ	35.5 U	36.7 U
Aroclor 1254	UG/KG	35.1 U	35.5 U	35.1 UJ	35.5 U	36.7 U
Aroclor 1260	UG/KG	35.1 U	35.5 U	35.1 UJ	35.5 U	36.7 U

FREQUENCY OF DETECTION SUMMARY
OPERABLE UNIT NO. 4 (SITE 74)
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MCB CAMP LEJEUNE, NORTH CAROLINA
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ORGANICS

Client Sample ID:	74-PDA-SB07-00	74-PDA-SB08-00	74-PDA-SB09-00	74-PDA-SB10-00	74-PDA-SB11-00	74-PDA-SB12-00
Laboratory Sample ID:	9402179-03	9402182-08	9402179-06	9402179-09	9401133-02	9401133-03
Date Sampled:						
Percent Solids	94.3	92.8	94.1	92.7	89.8	90
CHEMICAL SURETY						
Acetophenone	UG/KG	N/A	N/A	N/A	N/A	N/A
Chloroacetophenone	UG/KG	N/A	N/A	N/A	N/A	N/A
Hydroxyacetophenone	UG/KG	N/A	N/A	N/A	N/A	N/A
Bis(2'-chloroethyl)disulfide	UG/KG	N/A	N/A	N/A	N/A	N/A
Bis(2'-chloroethyl)trisulfide	UG/KG	N/A	N/A	N/A	N/A	N/A
1,4-Dithiane	UG/KG	N/A	N/A	N/A	N/A	N/A
1,4-Oxathiane	UG/KG	N/A	N/A	N/A	N/A	N/A
THIODIGLYCOL						
Thiodiglycol	MG/KG	N/A	N/A	N/A	N/A	N/A

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 74)
 FORMER DISPOSAL / POTENTIAL DISPOSAL / FORMER PEST CONTROL AREA SURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	74-PDA-SB13-00	74-PDA-SB14-00	74-PDA-SB15-00	74-FPA-SB01-00	74-FPA-SB02-00	74-FPA-SB03-00
Laboratory Sample ID:	9401133-01	9401134-01	9401134-02	9402179-12	9402179-15	9402180-02A
Date Sampled:						
Percent Solids	86.3	86.6	83.1	89.7	92.5	87.5
SEMIVOLATILES						
1,2-Dichlorobenzene	UG/KG	383 U	373 U	396 U	740 U	375 U
1,2,4-Trichlorobenzene	UG/KG	383 U	373 U	396 U	740 U	375 U
1,3-Dichlorobenzene	UG/KG	383 U	373 U	396 U	740 U	375 U
1,4-Dichlorobenzene	UG/KG	383 U	373 U	396 U	740 U	375 U
2-Chloronaphthalene	UG/KG	383 U	373 U	396 U	1900 U	375 U
2-Chlorophenol	UG/KG	383 U	373 U	396 U	740 U	375 U
2-Methylnaphthalene	UG/KG	383 U	373 U	396 U	740 U	375 U
2-Methylphenol	UG/KG	383 U	373 U	396 U	740 U	375 U
2-Nitroaniline	UG/KG	928 U	904 U	960 U	1900 U	909 U
2-Nitrophenol	UG/KG	383 U	373 U	396 U	740 U	375 U
2,2'-oxybis-(1-chloropropane)	UG/KG	383 U	373 U	396 U	740 U	375 R
2,4-Dichlorophenol	UG/KG	383 U	373 U	396 U	740 U	375 U
2,4-Dimethylphenol	UG/KG	383 U	373 U	396 U	740 U	375 U
2,4-Dinitrophenol	UG/KG	928 U	904 U	960 U	1900 U	909 U
2,4-Dinitrotoluene	UG/KG	383 U	373 U	396 U	740 U	375 U
2,4,5-Trichlorophenol	UG/KG	928 U	904 U	960 U	889 U	909 U
2,4,6-Trichlorophenol	UG/KG	383 U	373 U	396 U	740 U	375 U
2,6-Dinitrotoluene	UG/KG	383 U	373 U	396 U	740 U	375 U
3-Nitroaniline	UG/KG	928 U	904 U	960 U	1900 U	909 U
3,3'-Dichlorobenzidine	UG/KG	390 U	373 U	396 U	740 U	375 U
4-Bromophenyl-phenylether	UG/KG	383 U	373 U	396 U	740 U	375 U
4-Chloro-3-methylphenol	UG/KG	383 U	373 U	396 U	740 U	375 U
4-Chloroaniline	UG/KG	383 U	373 U	396 U	740 U	375 U
4-Chlorophenyl phenyl ether	UG/KG	383 U	373 U	396 U	740 U	375 U
4-Methylphenol	UG/KG	383 U	373 U	396 U	740 U	375 U
4-Nitroaniline	UG/KG	928 U	904 U	960 U	1900 U	909 U
4-Nitrophenol	UG/KG	928 U	904 U	960 U	1900 U	909 U
4,6-Dinitro-2-methylphenol	UG/KG	928 U	904 U	960 U	1900 U	909 U
Acenaphthene	UG/KG	383 U	373 U	396 U	740 U	375 U
Acenaphthylene	UG/KG	383 U	373 U	396 U	740 U	375 U
Anthracene	UG/KG	383 U	373 U	396 U	740 U	375 U
Benzo[a]anthracene	UG/KG	383 U	373 U	396 U	740 U	375 U
Benzo[a]pyrene	UG/KG	383 U	373 U	396 U	740 U	375 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 74)
 FORMER DISPOSAL / POTENTIAL DISPOSAL / FORMER PEST CONTROL AREA SURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	74-PDA-SB13-00	74-PDA-SB14-00	74-PDA-SB15-00	74-FPA-SB01-00	74-FPA-SB02-00	74-FPA-SB03-00
Laboratory Sample ID:	9401133-01	9401134-01	9401134-02	9402179-12	9402179-15	9402180-02A
Date Sampled:						
Percent Solids	86.3	88.6	83.1	89.7	92.5	87.5

SEMIVOLATILES Cont.

Benzo[b]fluoranthene	UG/KG	383 U	373 U	396 U	740 U	720 U	375 U
Benzo[g,h,i]perylene	UG/KG	383 U	373 U	396 U	740 U	720 U	375 U
Benzo[k]fluoranthene	UG/KG	383 U	373 U	396 U	740 U	720 U	375 U
bis(2-Chloroethoxy) methane	UG/KG	383 U	373 U	396 U	740 U	720 U	375 U
bis(2-Chloroethyl) ether	UG/KG	383 U	373 U	396 U	740 U	720 U	375 U
bis(2-Ethylhexyl)phthalate	UG/KG	383 U	373 U	396 U	740 U	720 U	375 U
Butyl benzyl phthalate	UG/KG	383 U	373 U	396 U	740 U	720 U	375 U
Carbazole	UG/KG	383 U	373 U	396 U	740 U	720 U	375 U
Chrysene	UG/KG	383 U	373 U	396 U	740 U	720 U	375 U
Dibenzofuran	UG/KG	383 U	373 U	396 U	740 U	720 U	375 U
Dibenz[a,h]anthracene	UG/KG	383 U	373 U	396 U	740 U	720 U	375 U
Diethylphthalate	UG/KG	383 U	373 U	396 U	740 U	720 U	375 U
Dimethyl phthalate	UG/KG	383 U	373 U	396 U	740 U	720 U	375 U
di-n-Butylphthalate	UG/KG	383 U	373 U	396 U	740 U	126 J	375 U
di-n-Octylphthalate	UG/KG	383 U	373 U	396 U	740 U	720 U	375 U
Fluoranthene	UG/KG	383 U	373 U	396 U	740 U	720 U	375 U
Fluorene	UG/KG	383 U	373 U	396 U	740 U	720 U	375 U
Hexachlorobenzene	UG/KG	383 U	373 U	396 U	740 U	720 U	375 U
Hexachlorobutadiene	UG/KG	383 U	373 U	396 U	740 U	720 U	375 U
Hexachlorocyclopentadiene	UG/KG	383 U	373 U	396 U	740 U	720 U	375 U
Hexachloroethane	UG/KG	383 U	373 U	396 U	740 U	720 U	375 U
Indeno[1,2,3-cd]pyrene	UG/KG	383 U	373 U	396 U	740 U	720 U	375 U
Isophorone	UG/KG	383 U	373 U	396 U	740 U	720 U	375 U
Naphthalene	UG/KG	383 U	373 U	396 U	740 U	720 U	375 U
Nitrobenzene	UG/KG	383 U	373 U	396 U	740 U	720 U	375 U
N-Nitroso-di-n-propylamine	UG/KG	383 U	373 U	396 U	740 U	720 U	375 U
N-nitrosodiphenylamine	UG/KG	383 U	373 U	396 U	740 U	720 U	375 U
Pentachlorophenol	UG/KG	928 U	904 U	960 U	1900 U	1800 U	909 U
Phenanthrene	UG/KG	383 U	373 U	396 U	740 U	720 U	375 U
Phenol	UG/KG	383 U	373 U	396 U	740 U	720 U	375 U
Pyrene	UG/KG	383 U	373 U	396 U	740 U	720 U	375 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 74)
 FORMER DISPOSAL / POTENTIAL DISPOSAL / FORMER PEST CONTROL AREA SURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	74-PDA-SB13-00	74-PDA-SB14-00	74-PDA-SB15-00	74-FPA-SB01-00	74-FPA-SB02-00	74-FPA-SB03-00
Laboratory Sample ID:	9401133-01	9401134-01	9401134-02	9402179-12	9402179-15	9402180-02A
Date Sampled:						
Percent Solids	86.3	86.6	83.1	89.7	92.5	87.5
VOLATILES						
Chloromethane	UG/KG	11.6 U	11.3 U	12 U	11 U	11 U
Bromomethane	UG/KG	11.6 U	11.3 U	12 U	11 U	11 U
Vinyl chloride	UG/KG	11.6 U	11.3 U	12 U	11 U	11 U
Chloroethane	UG/KG	11.6 U	11.3 U	12 U	11 U	11 U
Methylene chloride	UG/KG	12 U	11 U	12 U	11.1 U	13 U
Acetone	UG/KG	11.6 UJ	11.3 U	22 U	34 J	23 J
Carbon Disulfide	UG/KG	11.6 U	11.3 U	12 U	11 U	11 U
1,1-Dichloroethene	UG/KG	11.6 U	11.3 U	12 U	11 U	11 U
1,1-Dichloroethane	UG/KG	11.6 U	11.3 U	12 U	11 U	11 U
1,2-Dichloroethene(total)	UG/KG	11.6 U	11.3 U	12 U	11 U	11 U
Chloroform	UG/KG	11.6 U	11.3 U	12 U	11 U	11 U
1,2-Dichloroethane	UG/KG	11.6 U	11.3 U	12 U	11 U	11 U
2-Butanone	UG/KG	11.6 U	11.3 U	12 U	11 U	11 U
1,1,1-Trichloroethane	UG/KG	11.6 U	11.3 U	12 U	11 U	11 U
Carbon tetrachloride	UG/KG	11.6 U	11.3 U	12 U	11 U	11 U
Bromodichloromethane	UG/KG	11.6 U	11.3 U	12 U	11 U	11 U
1,2-Dichloropropane	UG/KG	11.6 U	11.3 U	12 U	11 U	11 U
cis-1,3-Dichloropropene	UG/KG	11.6 U	11.3 U	12 U	11 U	11 U
Trichloroethene	UG/KG	11.6 U	11.3 U	12 U	11 U	11 U
Dibromochloromethane	UG/KG	11.6 U	11.3 U	12 U	11 U	11 U
1,1,2-Trichloroethane	UG/KG	11.6 U	11.3 U	12 U	11 U	11 U
Benzene	UG/KG	11.6 U	11.3 U	12 U	11 U	11 U
trans-1,3-Dichloropropene	UG/KG	11.6 U	11.3 U	12 U	11 U	11 U
Bromoform	UG/KG	11.6 U	11.3 U	12 U	11 U	11 U
4-Methyl-2-pentanone	UG/KG	11.6 U	11.3 U	12 U	11 U	11 U
2-Hexanone	UG/KG	11.6 U	11.3 U	12 U	11 U	11 U
Tetrachloroethene	UG/KG	11.6 U	11.3 U	12 U	11 U	11 U
1,1,2,2-Tetrachloroethane	UG/KG	11.6 U	11.3 U	12 U	11 U	11 U
Toluene	UG/KG	11.6 U	11.3 U	12 U	11 U	11 U
Chlorobenzene	UG/KG	11.6 U	11.3 U	12 U	11 U	11 U
Ethylbenzene	UG/KG	11.6 U	11.3 U	12 U	11 U	11 U
Styrene	UG/KG	11.6 U	11.3 U	12 U	11 U	11 U
Xylenes (total)	UG/KG	11.6 U	11.3 U	12 U	11 U	11 U

FREQUENCY OF DETECTION SUMMARY
OPERABLE UNIT NO. 4 (SITE 74)
FORMER DISPOSAL / POTENTIAL DISPOSAL / FORMER PEST CONTROL AREA SURFACE SOIL
MCB CAMP LEJEUNE, NORTH CAROLINA
REMEDIAL INVESTIGATION - CTO-0212
ORGANICS

Client Sample ID:	74-PDA-SB13-00	74-PDA-SB14-00	74-PDA-SB15-00	74-FPA-SB01-00	74-FPA-SB02-00	74-FPA-SB03-00
Laboratory Sample ID:	9401133-01	9401134-01	9401134-02	9402179-12	9402179-15	9402180-02A
Date Sampled:						
Percent Solids	86.3	88.6	83.1	89.7	92.5	87.5
PESTICIDE/PCBS						
alpha-BHC	UG/KG	19.8 UJ	1.91 UJ	2.05 UJ	1.89 UJ	1.85 UJ
beta-BHC	UG/KG	19.8 UJ	1.91 U	2.05 U	1.89 UJ	1.85 UJ
delta-BHC	UG/KG	19.8 UJ	1.91 UJ	2.05 UJ	1.89 UJ	1.85 UJ
Lindane (gamma-BHC)	UG/KG	19.8 UJ	1.91 U	2.05 U	1.89 UJ	1.85 UJ
Heptachlor	UG/KG	298 J	1.92 U	1.64 U	1.89 U	0.55 J
Aldrin	UG/KG	19.8 UJ	1.91 U	2.05 U	1.89 U	1.85 U
Heptachlor epoxide	UG/KG	19.8 UJ	1.91 U	2.05 U	1.89 U	1.43 J
Endosulfan I	UG/KG	19.8 UJ	1.91 U	2.05 U	1.89 U	1.85 U
Dieldrin	UG/KG	706 NJ	3.71 U	3.98 U	3.67 U	3.59 U
4,4'-DDE	UG/KG	1730 J	3.71 U	0.91 J	11.6 J	60.6 J
Endrin	UG/KG	38.4 UJ	3.71 U	3.98 U	3.67 U	3.59 U
Endosulfan II	UG/KG	38.4 UJ	0.76 NJ	3.98 U	3.67 U	3.59 U
4,4'-DDD	UG/KG	38.4 UJ	3.71 U	3.98 U	2.62 J	76.8 J
Endosulfan sulfate	UG/KG	38.4 UJ	3.71 U	3.98 U	3.67 U	3.59 U
4,4'-DDT	UG/KG	3840 J	3.71 UJ	4.22 J	7.2 J	540 J
Methoxychlor	UG/KG	166 J	19.1 UJ	20.5 UJ	18.9 U	18.5 U
Endrin ketone	UG/KG	38.4 U	3.71 U	3.98 U	3.67 U	3.59 U
Endrin aldehyde	UG/KG	38.4 UJ	2.29 NJ	3.98 U	3.67 U	3.59 U
alpha-Chlordane	UG/KG	1160 J	1.91 U	2.05 U	1.89 U	4.35 J
gamma-Chlordane	UG/KG	1680 J	1.91 U	2.05 U	1.89 U	3.74 J
Toxaphene	UG/KG	1980 UJ	191 U	205 U	189 U	185 U
Aroclor 1016	UG/KG	384 UJ	37.1 U	39.8 U	36.7 U	35.9 U
Aroclor 1221	UG/KG	779 UJ	75.3 U	80.7 U	74.4 U	72.8 U
Aroclor 1232	UG/KG	384 UJ	37.1 U	39.8 U	36.7 U	35.9 U
Aroclor 1242	UG/KG	384 UJ	37.1 U	39.8 U	36.7 U	35.9 U
Aroclor 1248	UG/KG	384 UJ	37.1 U	39.8 U	36.7 U	35.9 U
Aroclor 1254	UG/KG	384 UJ	37.1 U	39.8 U	36.7 U	35.9 U
Aroclor 1260	UG/KG	384 UJ	37.1 U	39.8 U	36.7 U	35.9 U

FREQUENCY OF DETECTION SUMMARY
OPERABLE UNIT NO. 4 (SITE 74)
FORMER DISPOSAL / POTENTIAL DISPOSAL / FORMER PEST CONTROL AREA SURFACE SOIL
MCB CAMP LEJEUNE, NORTH CAROLINA
REMEDIAL INVESTIGATION - CTO-0212
ORGANICS

Client Sample ID:	74-PDA-SB13-00	74-PDA-SB14-00	74-PDA-SB15-00	74-FPA-SB01-00	74-FPA-SB02-00	74-FPA-SB03-00
Laboratory Sample ID:	9401133-01	9401134-01	9401134-02	9402179-12	9402179-15	9402180-02A
Date Sampled:						
Percent Solids	86.3	88.6	83.1	89.7	92.5	87.5
CHEMICAL SURETY						
Acetophenone	UG/KG	N/A	N/A	N/A	N/A	N/A
Chloroacetophenone	UG/KG	N/A	N/A	N/A	N/A	N/A
Hydroxyacetophenone	UG/KG	N/A	N/A	N/A	N/A	N/A
Bis(2'-chloroethyl)disulfide	UG/KG	N/A	N/A	N/A	N/A	N/A
Bis(2'-chloroethyl)trisulfide	UG/KG	N/A	N/A	N/A	N/A	N/A
1,4-Dithiane	UG/KG	N/A	N/A	N/A	N/A	N/A
1,4-Oxathiane	UG/KG	N/A	N/A	N/A	N/A	N/A
THIODIGLYCOL						
Thiodiglycol	MG/KG	N/A	N/A	N/A	N/A	N/A

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 74)
 FORMER DISPOSAL / POTENTIAL DISPOSAL / FORMER PEST CONTROL AREA SURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	74-FPA-SB04-00	74-FPA-SB05-00	74-FPA-SB06-00	74-FPA-SB07-00	74-FPA-SB08-00	74-FPA-SB09-00
Laboratory Sample ID:	9402179-18	9402180-05A	9402180-08A	9402180-12A	9402180-15A	9402180-18A
Date Sampled:						
Percent Solids	95.2	93.9	90.9	93.7	89.1	90.4
SEMIVOLATILES						
1,2-Dichlorobenzene	UG/KG	700 U	351 U	363 U	351 U	371 U
1,2,4-Trichlorobenzene	UG/KG	700 U	351 U	363 U	351 U	371 U
1,3-Dichlorobenzene	UG/KG	700 U	351 U	363 U	351 U	371 U
1,4-Dichlorobenzene	UG/KG	700 U	351 U	363 U	351 U	371 U
2-Chloronaphthalene	UG/KG	700 U	351 U	363 U	351 U	371 U
2-Chlorophenol	UG/KG	700 U	351 U	363 U	351 U	371 U
2-Methylnaphthalene	UG/KG	700 U	351 U	363 U	351 U	371 U
2-Methylphenol	UG/KG	700 U	351 U	363 U	351 U	371 U
2-Nitroaniline	UG/KG	1800 U	851 U	879 U	851 U	899 U
2-Nitrophenol	UG/KG	700 U	351 U	363 U	351 U	371 U
2,2'-oxybis-(1-chloropropane)	UG/KG	700 R	351 R	363 U	351 U	371 U
2,4-Dichlorophenol	UG/KG	700 U	351 U	363 U	351 U	371 U
2,4-Dimethylphenol	UG/KG	700 U	351 U	363 U	351 U	371 U
2,4-Dinitrophenol	UG/KG	1800 U	851 U	879 U	851 U	899 U
2,4-Dinitrotoluene	UG/KG	700 U	351 U	363 U	351 U	371 U
2,4,5-Trichlorophenol	UG/KG	1800 U	851 U	879 U	851 U	899 U
2,4,6-Trichlorophenol	UG/KG	700 U	351 U	363 U	351 U	371 U
2,6-Dinitrotoluene	UG/KG	700 U	351 U	363 U	351 U	371 U
3-Nitroaniline	UG/KG	1800 U	851 U	879 U	851 U	899 U
3,3'-Dichlorobenzidine	UG/KG	700 U	351 U	363 U	351 U	371 U
4-Bromophenyl-phenylether	UG/KG	700 U	351 U	363 U	351 U	371 U
4-Chloro-3-methylphenol	UG/KG	700 U	351 U	363 U	351 U	371 U
4-Chloroaniline	UG/KG	700 U	351 U	363 U	351 U	371 U
4-Chlorophenyl phenyl ether	UG/KG	700 U	351 U	363 U	351 U	371 U
4-Methylphenol	UG/KG	700 U	351 U	363 U	351 U	371 U
4-Nitroaniline	UG/KG	1800 U	851 U	879 U	851 U	899 U
4-Nitrophenol	UG/KG	1800 U	851 U	879 U	851 U	899 U
4,6-Dinitro-2-methylphenol	UG/KG	1800 U	851 U	879 U	851 U	899 U
Acenaphthene	UG/KG	700 U	351 U	363 U	351 U	371 U
Acenaphthylene	UG/KG	700 U	351 U	363 U	351 U	371 U
Anthracene	UG/KG	700 U	351 U	363 U	351 U	371 U
Benzo[a]anthracene	UG/KG	700 U	351 U	363 U	351 U	371 U
Benzo[a]pyrene	UG/KG	700 U	351 U	363 U	351 U	371 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 74)
 FORMER DISPOSAL / POTENTIAL DISPOSAL / FORMER PEST CONTROL AREA SURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	74-FPA-SB04-00	74-FPA-SB05-00	74-FPA-SB06-00	74-FPA-SB07-00	74-FPA-SB08-00	74-FPA-SB09-00
Laboratory Sample ID:	9402179-18	9402180-05A	9402180-08A	9402180-12A	9402180-15A	9402180-18A
Date Sampled:						
Percent Solids	95.2	93.9	90.9	93.7	89.1	90.4

SEMIVOLATILES Cont.

Benzo[b]fluoranthene	UG/KG	700 U	351 U	363 U	351 U	371 U	367 U
Benzo[g,h,i]perylene	UG/KG	700 U	351 U	363 U	351 U	371 U	367 U
Benzo[k]fluoranthene	UG/KG	700 U	351 U	363 U	351 U	371 U	367 U
bis(2-Chloroethoxy) methane	UG/KG	700 U	351 U	363 U	351 U	371 U	367 U
bis(2-Chloroethyl) ether	UG/KG	700 U	351 U	363 U	351 U	371 U	367 U
bis(2-Ethylhexyl)phthalate	UG/KG	700 U	351 U	363 U	351 U	371 U	367 U
Butyl benzyl phthalate	UG/KG	700 U	351 U	363 U	351 U	371 U	367 U
Carbazole	UG/KG	700 U	351 U	363 U	351 U	371 U	367 U
Chrysene	UG/KG	700 U	351 U	363 U	351 U	371 U	367 U
Dibenzofuran	UG/KG	700 U	351 U	363 U	351 U	371 U	367 U
Dibenz[a,h]anthracene	UG/KG	700 U	351 U	363 U	351 U	371 U	367 U
Diethylphthalate	UG/KG	700 U	351 U	363 U	351 U	371 U	367 U
Dimethyl phthalate	UG/KG	700 U	351 U	363 U	351 U	371 U	367 U
di-n-Butylphthalate	UG/KG	700 U	351 U	363 U	351 U	371 U	367 U
di-n-Octylphthalate	UG/KG	700 U	351 U	363 U	351 U	371 U	367 U
Fluoranthene	UG/KG	700 U	351 U	363 U	351 U	371 U	367 U
Fluorene	UG/KG	700 U	351 U	363 U	351 U	371 U	367 U
Hexachlorobenzene	UG/KG	700 U	351 U	363 U	351 U	371 U	367 U
Hexachlorobutadiene	UG/KG	700 U	351 U	363 U	351 U	371 U	367 U
Hexachlorocyclopentadiene	UG/KG	700 U	351 U	363 U	351 U	371 U	367 U
Hexachloroethane	UG/KG	700 U	351 U	363 U	351 U	371 U	367 U
Indeno[1,2,3-cd]pyrene	UG/KG	700 U	351 U	363 U	351 U	371 U	367 U
Isophorone	UG/KG	700 U	351 U	363 U	351 U	371 U	367 U
Naphthalene	UG/KG	700 U	351 U	363 U	351 U	371 U	367 U
Nitrobenzene	UG/KG	700 U	351 U	363 U	351 U	371 U	367 U
N-Nitroso-di-n-propylamine	UG/KG	700 U	351 U	363 U	351 U	371 U	367 U
N-nitrosodiphenylamine	UG/KG	700 U	351 U	363 U	351 U	371 U	367 U
Pentachlorophenol	UG/KG	1800 U	851 U	879 U	851 U	899 U	889 U
Phenanthrene	UG/KG	700 U	351 U	363 U	351 U	371 U	367 U
Phenol	UG/KG	700 U	351 U	363 U	351 U	371 U	367 U
Pyrene	UG/KG	700 U	351 U	363 U	351 U	371 U	367 U

FREQUENCY OF DETECTION SUMMARY
OPERABLE UNIT NO. 4 (SITE 74)
FORMER DISPOSAL / POTENTIAL DISPOSAL / FORMER PEST CONTROL AREA SURFACE SOIL
MCB CAMP LEJEUNE, NORTH CAROLINA
REMEDIAL INVESTIGATION - CTO-0212
ORGANICS

Client Sample ID:	74-FPA-SB04-00	74-FPA-SB05-00	74-FPA-SB06-00	74-FPA-SB07-00	74-FPA-SB08-00	74-FPA-SB09-00
Laboratory Sample ID:	9402179-18	9402180-05A	9402180-08A	9402180-12A	9402180-15A	9402180-18A
Date Sampled:						
Percent Solids	95.2	93.9	90.9	93.7	89.1	90.4
<u>VOLATILES</u>						
Chloromethane	UG/KG	11 U	11 UJ	11 U	11 UJ	11 U
Bromomethane	UG/KG	11 U	11 UJ	11 U	11 UJ	11 U
Vinyl chloride	UG/KG	11 U	11 UJ	11 U	11 UJ	11 U
Chloroethane	UG/KG	11 U	11 UJ	11 U	11 UJ	11 U
Methylene chloride	UG/KG	11 U	11 UJ	11 U	12 UJ	11 U
Acetone	UG/KG	29	11 UJ	11 UJ	11 UJ	18 U
Carbon Disulfide	UG/KG	11 U	11 UJ	11 U	11 UJ	11 U
1,1-Dichloroethene	UG/KG	11 U	11 UJ	11 U	11 UJ	11 U
1,1-Dichloroethane	UG/KG	11 U	11 UJ	11 U	11 UJ	11 U
1,2-Dichloroethene(total)	UG/KG	11 U	11 UJ	11 U	11 UJ	11 U
Chloroform	UG/KG	11 U	11 UJ	11 U	11 UJ	11 U
1,2-Dichloroethane	UG/KG	11 U	11 UJ	11 U	11 UJ	11 U
2-Butanone	UG/KG	11 U	11 R	11 R	11 UJ	11 U
1,1,1-Trichloroethane	UG/KG	11 U	11 UJ	11 U	11 UJ	11 U
Carbon tetrachloride	UG/KG	11 U	11 UJ	11 U	11 UJ	11 U
Bromodichloromethane	UG/KG	11 U	11 UJ	11 U	11 UJ	11 U
1,2-Dichloropropane	UG/KG	11 U	11 UJ	11 U	11 UJ	11 U
cis-1,3-Dichloropropene	UG/KG	11 U	11 UJ	11 U	11 UJ	11 U
Trichloroethene	UG/KG	11 U	11 UJ	11 U	11 UJ	11 U
Dibromochloromethane	UG/KG	11 U	11 UJ	11 U	11 UJ	11 U
1,1,2-Trichloroethane	UG/KG	11 U	11 UJ	11 U	11 UJ	11 U
Benzene	UG/KG	11 U	11 UJ	11 U	11 UJ	11 U
trans-1,3-Dichloropropene	UG/KG	11 U	11 UJ	11 U	11 UJ	11 U
Bromoform	UG/KG	11 U	11 UJ	11 U	11 UJ	11 U
4-Methyl-2-pentanone	UG/KG	11 U	11 UJ	11 U	11 UJ	11 U
2-Hexanone	UG/KG	11 U	11 UJ	11 U	11 UJ	11 U
Tetrachloroethene	UG/KG	11 U	11 UJ	11 U	11 UJ	11 U
1,1,2,2-Tetrachloroethane	UG/KG	11 U	11 UJ	11 U	11 UJ	11 U
Toluene	UG/KG	11 U	11 UJ	11 U	11 UJ	11 U
Chlorobenzene	UG/KG	11 U	11 UJ	11 U	11 UJ	11 U
Ethylbenzene	UG/KG	11 U	11 UJ	11 U	11 UJ	11 U
Styrene	UG/KG	11 U	11 UJ	11 U	11 UJ	11 U
Xylenes (total)	UG/KG	11 U	11 UJ	11 U	11 UJ	11 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 74)
 FORMER DISPOSAL / POTENTIAL DISPOSAL / FORMER PEST CONTROL AREA SURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	74-FPA-SB04-00	74-FPA-SB05-00	74-FPA-SB06-00	74-FPA-SB07-00	74-FPA-SB08-00	74-FPA-SB09-00
Laboratory Sample ID:	9402179-18	9402180-05A	9402180-08A	9402180-12A	9402180-15A	9402180-18A
Date Sampled:						
Percent Solids	95.2	93.9	90.9	93.7	89.1	90.4
PESTICIDE/PCBS						
alpha-BHC	UG/KG	1.79 UJ	1.81 UJ	1.87 UJ	1.81 UJ	1.89 UJ
beta-BHC	UG/KG	1.79 UJ	1.81 UJ	1.87 UJ	1.81 UJ	1.89 UJ
delta-BHC	UG/KG	1.79 UJ	1.81 UJ	1.87 UJ	1.81 UJ	1.89 UJ
Lindane (gamma-BHC)	UG/KG	1.79 UJ	1.81 UJ	1.87 UJ	1.81 UJ	1.89 UJ
Heptachlor	UG/KG	1.79 U	1.81 U	0.61 J	1.81 UJ	1.89 UJ
Aldrin	UG/KG	1.79 U	1.81 U	1.87 U	1.81 UJ	1.89 UJ
Heptachlor epoxide	UG/KG	1.79 U	1.81 U	1.87 U	1.81 UJ	1.89 UJ
Endosulfan I	UG/KG	1.79 U	1.81 U	1.87 U	1.81 UJ	1.89 UJ
Dieldrin	UG/KG	3.47 U	3.51 U	3.07 NJ	3.51 U	3.67 UJ
4,4'-DDE	UG/KG	3.47 U	3.51 U	107 J	0.67 J	3.67 UJ
Endrin	UG/KG	3.47 U	3.51 U	1.06 J	3.51 U	3.67 UJ
Endosulfan II	UG/KG	3.47 U	3.51 U	3.63 U	3.51 U	3.67 UJ
4,4'-DDD	UG/KG	3.47 UJ	3.51 UJ	9.4 NJ	3.51 U	3.67 UJ
Endosulfan sulfate	UG/KG	3.47 U	3.51 U	3.63 U	3.51 U	3.67 UJ
4,4'-DDT	UG/KG	3.47 UJ	3.51 UJ	212 J	0.81 J	3.67 UJ
Methoxychlor	UG/KG	17.9 U	18.1 U	18.7 U	18.1 U	18.9 UJ
Endrin ketone	UG/KG	3.47 U	3.51 U	3.63 U	3.51 U	3.67 UJ
Endrin aldehyde	UG/KG	3.47 U	3.51 U	2.13 J	3.51 U	3.67 UJ
alpha-Chlordane	UG/KG	1.79 U	1.81 U	2.55 J	1.81 UJ	1.89 UJ
gamma-Chlordane	UG/KG	1.79 U	1.81 U	2.18 J	1.81 UJ	1.89 UJ
Toxaphene	UG/KG	179 U	181 U	187 U	181 U	189 UJ
Aroclor 1016	UG/KG	34.7 U	35.1 U	36.3 U	35.1 U	36.7 UJ
Aroclor 1221	UG/KG	70.5 U	71.3 U	73.6 U	71.3 U	74.4 UJ
Aroclor 1232	UG/KG	34.7 U	35.1 U	36.3 U	35.1 U	36.7 UJ
Aroclor 1242	UG/KG	34.7 U	35.1 U	36.3 U	35.1 U	36.7 UJ
Aroclor 1248	UG/KG	34.7 U	35.1 U	36.3 U	35.1 U	36.7 UJ
Aroclor 1254	UG/KG	34.7 U	35.1 U	36.3 U	35.1 U	36.7 UJ
Aroclor 1260	UG/KG	34.7 U	35.1 U	36.3 U	35.1 U	36.7 UJ

FREQUENCY OF DETECTION SUMMARY
OPERABLE UNIT NO. 4 (SITE 74)
FORMER DISPOSAL / POTENTIAL DISPOSAL / FORMER PEST CONTROL AREA SURFACE SOIL
MCB CAMP LEJEUNE, NORTH CAROLINA
REMEDIAL INVESTIGATION - CTO-0212
ORGANICS

Client Sample ID:	74-FPA-SB04-00	74-FPA-SB05-00	74-FPA-SB06-00	74-FPA-SB07-00	74-FPA-SB08-00	74-FPA-SB09-00
Laboratory Sample ID:	9402179-18	9402180-05A	9402180-08A	9402180-12A	9402180-15A	9402180-18A
Date Sampled:						
Percent Solids	95.2	93.9	90.9	93.7	89.1	90.4
CHEMICAL SURETY						
Acetophenone	UG/KG	N/A	N/A	N/A	N/A	N/A
Chloroacetophenone	UG/KG	N/A	N/A	N/A	N/A	N/A
Hydroxyacetophenone	UG/KG	N/A	N/A	N/A	N/A	N/A
Bis(2'-chloroethyl)disulfide	UG/KG	N/A	N/A	N/A	N/A	N/A
Bis(2'-chloroethyl)trisulfide	UG/KG	N/A	N/A	N/A	N/A	N/A
1,4-Dithiane	UG/KG	N/A	N/A	N/A	N/A	N/A
1,4-Oxathiane	UG/KG	N/A	N/A	N/A	N/A	N/A
THIODIGLYCOL						
Thiodiglycol	MG/KG	N/A	N/A	N/A	N/A	N/A

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 74)
 FORMER DISPOSAL / POTENTIAL DISPOSAL / FORMER PEST CONTROL AREA SURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:
 Laboratory Sample ID:
 Date Sampled:
 Percent Solids

		MINIMUM NONDETECTED	MAXIMUM NONDETECTED	MINIMUM DETECTED	MAXIMUM DETECTED	LOCATION OF MAXIMUM DETECTED	FREQUENCY OF DETECTION
SEMIVOLATILES							
1,2-Dichlorobenzene	UG/KG	351 U	904 U	ND	ND		0/60
1,2,4-Trichlorobenzene	UG/KG	351 U	904 U	ND	ND		0/60
1,3-Dichlorobenzene	UG/KG	351 U	904 U	ND	ND		0/60
1,4-Dichlorobenzene	UG/KG	351 U	904 U	ND	ND		0/60
2-Chloronaphthalene	UG/KG	351 U	1900 U	ND	ND		0/60
2-Chlorophenol	UG/KG	351 U	904 U	ND	ND		0/60
2-Methylnaphthalene	UG/KG	351 U	904 U	ND	ND		0/60
2-Methylphenol	UG/KG	351 U	904 U	ND	ND		0/60
2-Nitroaniline	UG/KG	851 U	2200 U	ND	ND		0/60
2-Nitrophenol	UG/KG	351 U	904 U	ND	ND		0/60
2,2'-oxybis-(1-chloropropane)	UG/KG	351 U	904 U J	351 R	700 R	74-FPA-SB04-00	3/60
2,4-Dichlorophenol	UG/KG	351 U	904 U	ND	ND		0/60
2,4-Dimethylphenol	UG/KG	351 U	904 U	ND	ND		0/60
2,4-Dinitrophenol	UG/KG	851 U	2200 U	ND	ND		0/60
2,4-Dinitrotoluene	UG/KG	351 U	904 U	ND	ND		0/60
2,4,5-Trichlorophenol	UG/KG	851 U	2200 U	ND	ND		0/60
2,4,6-Trichlorophenol	UG/KG	351 U	904 U	ND	ND		0/60
2,6-Dinitrotoluene	UG/KG	351 U	904 U	ND	ND		0/60
3-Nitroaniline	UG/KG	851 U	2200 U	ND	ND		0/60
3,3'-Dichlorobenzidine	UG/KG	351 U	904 U	ND	ND		0/60
4-Bromophenyl-phenylether	UG/KG	351 U	904 U	ND	ND		0/60
4-Chloro-3-methylphenol	UG/KG	351 U	904 U	54 J	240 J	74-FDA-SB17-00	2/60
4-Chloroaniline	UG/KG	351 U	904 U	ND	ND		0/60
4-Chlorophenyl phenyl ether	UG/KG	351 U	904 U	ND	ND		0/60
4-Methylphenol	UG/KG	351 U	904 U	ND	ND		0/60
4-Nitroaniline	UG/KG	851 U	2200 U	ND	ND		0/60
4-Nitrophenol	UG/KG	851 U	2200 U	ND	ND		0/60
4,6-Dinitro-2-methylphenol	UG/KG	851 U	2200 U	ND	ND		0/60
Acenaphthene	UG/KG	351 U	904 U	39 J	39 J	74-PDA-SB01-00	1/60
Acenaphthylene	UG/KG	351 U	904 U	ND	ND		0/60
Anthracene	UG/KG	351 U	904 U	ND	ND		0/60
Benzo[a]anthracene	UG/KG	351 U	904 U	ND	ND		0/60
Benzo[a]pyrene	UG/KG	351 U	904 U	130 J	130 J	74-FDA-SB23-00	1/60

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 74)
 FORMER DISPOSAL / POTENTIAL DISPOSAL / FORMER PEST CONTROL AREA SURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:
 Laboratory Sample ID:
 Date Sampled:
 Percent Solids

		MINIMUM NONDETECTED	MAXIMUM NONDETECTED	MINIMUM DETECTED	MAXIMUM DETECTED	LOCATION OF MAXIMUM DETECTED	FREQUENCY OF DETECTION
SEMIVOLATILES Cont.							
Benzo[b]fluoranthene	UG/KG	351 U	904 U	ND	ND		0/60
Benzo[g,h,i]perylene	UG/KG	351 U	904 U	61 J	160 J	74-FDA-SB31-00	2/60
Benzo[k]fluoranthene	UG/KG	351 U	904 U	ND	ND		0/60
bis(2-Chloroethoxy) methane	UG/KG	351 U	904 U	ND	ND		0/60
bis(2-Chloroethyl) ether	UG/KG	351 U	904 U	12 J	180 J	74-FDA-SB02-00	5/60
bis(2-Ethylhexyl)phthalate	UG/KG	351 U	904 U	240 J	240 J	74-FDA-SB14-00	1/60
Butyl benzyl phthalate	UG/KG	351 U	904 U	ND	ND		0/60
Carbazole	UG/KG	351 U	904 U	ND	ND		0/60
Chrysene	UG/KG	351 U	904 U	ND	ND		0/60
Dibenzofuran	UG/KG	351 U	904 U	ND	ND		0/60
Dibenz[a,h]anthracene	UG/KG	351 U	904 U	ND	ND		0/60
Diethylphthalate	UG/KG	351 U	904 U	86 J	866	74-PDA-SB04-00	2/60
Dimethyl phthalate	UG/KG	351 U	904 U	ND	ND		0/60
di-n-Butylphthalate	UG/KG	351 U	910 U	39 J	126 J	74-FPA-SB02-00	13/60
di-n-Octylphthalate	UG/KG	351 U	904 U	ND	ND		0/60
Fluoranthene	UG/KG	351 U	904 U	ND	ND		0/60
Fluorene	UG/KG	351 U	904 U	ND	ND		0/60
Hexachlorobenzene	UG/KG	351 U	904 U	ND	ND		0/60
Hexachlorobutadiene	UG/KG	351 U	904 U	ND	ND		0/60
Hexachlorocyclopentadiene	UG/KG	351 U	904 U	ND	ND		0/60
Hexachloroethane	UG/KG	351 U	904 U	ND	ND		0/60
Indeno[1,2,3-cd]pyrene	UG/KG	351 U	904 U	ND	ND		0/60
Isophorone	UG/KG	351 U	904 U	ND	ND		0/60
Naphthalene	UG/KG	351 U	904 U	ND	ND		0/60
Nitrobenzene	UG/KG	351 U	904 U	ND	ND		0/60
N-Nitroso-di-n-propylamine	UG/KG	351 U	904 U	ND	ND		0/60
N-nitrosodiphenylamine	UG/KG	351 U	904 U	ND	ND		0/60
Pentachlorophenol	UG/KG	851 U	2200 U	ND	ND		0/60
Phenanthrene	UG/KG	351 U	904 U	ND	ND		0/60
Phenol	UG/KG	351 U	904 U	ND	ND		0/60
Pyrene	UG/KG	351 U	904 U	38 J	38 J	74-PDA-SB01-00	1/60

FREQUENCY OF DETECTION SUMMARY
OPERABLE UNIT NO. 4 (SITE 74)
FORMER DISPOSAL / POTENTIAL DISPOSAL / FORMER PEST CONTROL AREA SURFACE SOIL
MCB CAMP LEJEUNE, NORTH CAROLINA
REMEDIAL INVESTIGATION - CTO-0212
ORGANICS

Client Sample ID:
 Laboratory Sample ID:
 Date Sampled:
 Percent Solids

		MINIMUM NONDETECTED	MAXIMUM NONDETECTED	MINIMUM DETECTED	MAXIMUM DETECTED	LOCATION OF MAXIMUM DETECTED	FREQUENCY OF DETECTION
<u>VOLATILES</u>							
Chloromethane	UG/KG	10.6 U	14 U	ND	ND		0/60
Bromomethane	UG/KG	10.6 U	14 U	ND	ND		0/60
Vinyl chloride	UG/KG	10.6 U	14 U	ND	ND		0/60
Chloroethane	UG/KG	10.6 U	14 U	ND	ND		0/60
Methylene chloride	UG/KG	11 UJ	37 U	4 J	23 J	74-FDA-SB33-00	20/60
Acetone	UG/KG	5 UJ	89 UJ	4 J	210 J	74-FDA-SB05-00	22/60
Carbon Disulfide	UG/KG	10.6 U	14 U	ND	ND		0/60
1,1-Dichloroethene	UG/KG	10.6 U	14 U	ND	ND		0/60
1,1-Dichloroethane	UG/KG	10.6 U	14 U	ND	ND		0/60
1,2-Dichloroethene(total)	UG/KG	10.6 U	14 U	ND	ND		0/60
Chloroform	UG/KG	10.6 U	14 U	ND	ND		0/60
1,2-Dichloroethane	UG/KG	10.6 U	14 U	ND	ND		0/60
2-Butanone	UG/KG	10.6 U	14 U	11 R	11.4 R	74-FDA-SB31-00	7/60
1,1,1-Trichloroethane	UG/KG	10.6 U	14 U	ND	ND		0/60
Carbon tetrachloride	UG/KG	10.6 U	14 U	ND	ND		0/60
Bromodichloromethane	UG/KG	10.6 U	14 U	ND	ND		0/60
1,2-Dichloropropane	UG/KG	10.6 U	14 U	ND	ND		0/60
cis-1,3-Dichloropropene	UG/KG	10.6 U	14 U	ND	ND		0/60
Trichloroethene	UG/KG	10.6 U	14 U	2 J	8 J	74-FDA-SB18-00	5/60
Dibromochloromethane	UG/KG	10.6 U	14 U	ND	ND		0/60
1,1,2-Trichloroethane	UG/KG	10.6 U	14 U	ND	ND		0/60
Benzene	UG/KG	10.6 U	14 U	ND	ND		0/60
trans-1,3-Dichloropropene	UG/KG	10.6 U	14 U	ND	ND		0/60
Bromoform	UG/KG	10.6 U	14 U	ND	ND		0/60
4-Methyl-2-pentanone	UG/KG	10.6 UJ	14 U	ND	ND		0/60
2-Hexanone	UG/KG	10.6 UJ	14 U	11.5 R	13 R	74-FDA-SB02-00	7/60
Tetrachloroethene	UG/KG	10.6 UJ	14 U	ND	ND		0/60
1,1,2,2-Tetrachloroethane	UG/KG	10.6 UJ	14 U	ND	ND		0/60
Toluene	UG/KG	10.6 UJ	14 U	1 J	3 J	74-FDA-SB13-00	3/60
Chlorobenzene	UG/KG	10.6 UJ	14 U	ND	ND		0/60
Ethylbenzene	UG/KG	10.6 UJ	14 U	ND	ND		0/60
Styrene	UG/KG	10.6 UJ	14 U	1 J	1 J	74-FDA-SB37-00	1/60
Xylenes (total)	UG/KG	10.6 UJ	14 U	3 J	6 J	74-FDA-SB05-00	2/60

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 74)
 FORMER DISPOSAL / POTENTIAL DISPOSAL / FORMER PEST CONTROL AREA SURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:
 Laboratory Sample ID:
 Date Sampled:
 Percent Solids

		MINIMUM NONDETECTED	MAXIMUM NONDETECTED	MINIMUM DETECTED	MAXIMUM DETECTED	LOCATION OF MAXIMUM DETECTED	FREQUENCY OF DETECTION
PESTICIDE/PCBS							
alpha-BHC	UG/KG	1.79 UJ	1933 UJ	0.45 J	1.96 R	74-FDA-SB29-00	2/60
beta-BHC	UG/KG	1.79 UJ	1933 UJ	1.96 R	2 R	74-FDA-SB36-00	2/60
delta-BHC	UG/KG	1.79 UJ	1933 UJ	1.96 R	1.96 R	74-FDA-SB29-00	1/60
Lindane (gamma-BHC)	UG/KG	1.79 UJ	1933 UJ	1.96 R	1.96 R	74-FDA-SB29-00	1/60
Heptachlor	UG/KG	1.64 U	1933 UJ	0.2 NJ	298 J	74-PDA-SB13-00	8/60
Aldrin	UG/KG	1.79 U	1933 UJ	0.41 NJ	1.96 R	74-FDA-SB29-00	2/60
Heptachlor epoxide	UG/KG	1.79 U	1933 UJ	0.21 NJ	1.96 R	74-FDA-SB29-00	5/60
Endosulfan I	UG/KG	1.79 U	1933 UJ	1.96 R	1.96 R	74-FDA-SB29-00	1/60
Dieldrin	UG/KG	3.47 U	37.52 UJ	0.32 J	706 NJ	74-PDA-SB13-00	5/60
4,4'-DDE	UG/KG	3.47 U	37.52 UJ	0.31 J	1730 J	74-PDA-SB13-00	31/60
Endrin	UG/KG	3.47 U	38.4 UJ	0.42 J	3.8 R	74-FDA-SB29-00	4/60
Endosulfan II	UG/KG	3.47 U	38.4 UJ	0.44 NJ	3.8 R	74-FDA-SB29-00	4/60
4,4'-DDD	UG/KG	3.47 UJ	38.4 UJ	0.37 NJ	3700 J	74-PDA-SB06-00	17/60
Endosulfan sulfate	UG/KG	3.47 U	38.4 UJ	3.8 R	3.8 R	74-FDA-SB29-00	1/60
4,4'-DDT	UG/KG	3.47 UJ	37.52 UJ	0.81 J	3840 J	74-PDA-SB13-00	22/60
Methoxychlor	UG/KG	17.9 U	193.3 UJ	19.6 R	166 J	74-PDA-SB13-00	2/60
Endrin ketone	UG/KG	3.47 U	38.4 U	3.8 R	3.8 R	74-FDA-SB29-00	1/60
Endrin aldehyde	UG/KG	3.47 U	38.4 UJ	0.5 NJ	3.8 R	74-FDA-SB29-00	6/60
alpha-Chlordane	UG/KG	1.79 U	19.33 UJ	0.39 J	1160 J	74-PDA-SB13-00	8/60
gamma-Chlordane	UG/KG	1.79 U	19.33 UJ	0.45 J	1680 J	74-PDA-SB13-00	8/60
Toxaphene	UG/KG	179 U	1980 UJ	196 R	196 R	74-FDA-SB29-00	1/60
Aroclor 1016	UG/KG	34.7 U	384 UJ	38 R	38 R	74-FDA-SB29-00	1/60
Aroclor 1221	UG/KG	70.5 U	779 UJ	77 R	77 R	74-FPA-SB03-00	1/60
Aroclor 1232	UG/KG	34.7 U	384 UJ	38 R	38 R	74-FDA-SB29-00	1/60
Aroclor 1242	UG/KG	34.7 U	384 UJ	38 R	38 R	74-FDA-SB29-00	1/60
Aroclor 1248	UG/KG	34.7 U	384 UJ	38 R	38 R	74-FDA-SB29-00	1/60
Aroclor 1254	UG/KG	34.7 U	384 UJ	38 R	38 R	74-FDA-SB29-00	1/60
Aroclor 1260	UG/KG	34.7 U	384 UJ	38 R	38 R	74-FDA-SB29-00	1/60

FREQUENCY OF DETECTION SUMMARY
OPERABLE UNIT NO. 4 (SITE 74)
FORMER DISPOSAL / POTENTIAL DISPOSAL / FORMER PEST CONTROL AREA SURFACE SOIL
MCB CAMP LEJEUNE, NORTH CAROLINA
REMEDIAL INVESTIGATION - CTO-0212
ORGANICS

Client Sample ID:

Laboratory Sample ID:

Date Sampled:

Percent Solids

		MINIMUM	MAXIMUM	MINIMUM	MAXIMUM	LOCATION OF	FREQUENCY
		NONDETECTED	NONDETECTED	DETECTED	DETECTED	MAXIMUM	OF
						DETECTED	DETECTION
<u>CHEMICAL SURETY</u>							
Acetophenone	UG/KG	351 U	419 U	ND	ND		0/37
Chloroacetophenone	UG/KG	351 U	419 U	ND	ND		0/37
Hydroxyacetophenone	UG/KG	1760 U	2100 U	190 J	190 J	74-FDA-SB25-00	1/37
Bis(2'-chloroethyl)disulfide	UG/KG	1760 U	2100 U	ND	ND		0/37
Bis(2'-chloroethyl)trisulfide	UG/KG	1760 U	2100 U	ND	ND		0/37
1,4-Dithiane	UG/KG	351 U	419 U	ND	ND		0/37
1,4-Oxathiane	UG/KG	351 U	419 U	ND	ND		0/37
<u>THIODIGLYCOL</u>							
Thiodiglycol	MG/KG	6.88 U	7.94 U	6.69 R	7.5 R	74-FDA-SB34-00	9/37

APPENDIX O.19
**SITE 74 FORMER DISPOSAL/POTENTIAL DISPOSAL/
FORMER PEST CONTROL AREA SURFACE SOIL INORGANICS**

FREQUENCY OF DETECTION SUMMARY
OPERABLE UNIT NO. 4 (SITE 74)
FORMER DISPOSAL / POTENTIAL DISPOSAL / FORMER PEST CONTROL AREA SURFACE SOIL
MCB CAMP LEJEUNE, NORTH CAROLINA
REMEDIAL INVESTIGATION - CTO-0212
TAL INORGANICS

Client Sample ID:	74-FDA-SB01-00	74-FDA-SB02-00	74-FDA-SB03-00	74-FDA-SB04-00	74-FDA-SB05-00	74-FDA-SB06-00
Laboratory Sample ID:	9401109-01	9401109-04	9401108-01	9401108-10	9401108-13	9401116-01A
Date Sampled:			01/19/94	01/20/94	01/20/94	
Percent Solids	85.4	78.5	86.0	83.9	88.0	82.6

	UNITS					
Aluminum	MG/KG	2590	5210	5230.0	3500.0	6960.0
Antimony	MG/KG	1.85 U	2.01 U	1.84 UJ	1.88 UJ	1.80 UJ
Arsenic	MG/KG	0.679 U	0.739 U	0.674 UJ	0.691 UJ	0.659 UJ
Barium	MG/KG	3.21 U	6.38	7.62	5.12	6.53
Beryllium	MG/KG	0.302 U	0.329 U	0.300 U	0.308 U	0.293 U
Cadmium	MG/KG	0.55 U	0.599 U	0.588	0.560 U	0.686
Calcium	MG/KG	36.8	125	29.1 U	154.0	28.4 U
Chromium	MG/KG	3.11	4.38	3.89	4.36	6.32
Cobalt	MG/KG	4.54 U	4.94 U	4.51 U	4.62 U	4.41 U
Copper	MG/KG	3.79 U	4.13 U	3.77 U	3.86 U	3.68 U
Iron	MG/KG	489	649	870.0 J	1060.0 J	984.0 J
Lead	MG/KG	5.53	5.23	3.40 J	4.33 J	2.45 J
Magnesium	MG/KG	24 U	75.3	73.1	69.7	127.0
Manganese	MG/KG	1.44	2.96	1.81	2.85	3.70
Mercury	MG/KG	0.059 UJ	0.64 UJ	0.100 U	0.085 U	0.100 U
Nickel	MG/KG	3.18 U	3.46 U	3.16 UJ	3.24 UJ	3.09 UJ
Potassium	MG/KG	179 U	194 U	69.8 U	71.5 U	98.6
Selenium	MG/KG	0.752	1.12	0.588 U	0.603 U	0.575 U
Silver	MG/KG	0.094 UJ	0.102 UJ	0.093 UJ	0.095 UJ	0.091 UJ
Sodium	MG/KG	84.1 U	91.5 U	44.2 UJ	45.3 UJ	43.2 UJ
Thallium	MG/KG	1.08 UJ	1.17 UJ	0.232 U	0.238 UJ	0.227 U
Vanadium	MG/KG	4.03	5.92	7.29	4.41	7.12
Zinc	MG/KG	3.15 U	2.7 U	3.76 U	6.36 U	3.82 U
Total Cyanide	MG/KG	1.17	1.27	1.16	1.19	1.14

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 74)
 FORMER DISPOSAL / POTENTIAL DISPOSAL / FORMER PEST CONTROL AREA SURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 TAL INORGANICS

Client Sample ID:	74-FDA-SB07-00	74-FDA-SB08-00	74-FDA-SB09-00	74-FDA-SB10-00	74-FDA-SB11-00	74-FDA-SB12-00
Laboratory Sample ID:	9401116-05A	9401116-08A	9401116-11A	9401116-14A	9401121-01A	9401121-05A
Date Sampled:						
Percent Solids	89.2	84.4	83	82.7	90.1	84.3
	UNITS					
Aluminum	MG/KG	8020	4810	5210	4240	10600
Antimony	MG/KG	1.77 U	1.87 UJ	1.9 UJ	1.91 UJ	1.87 UJ
Arsenic	MG/KG	0.65 U	0.687 U	0.699 U	0.701 U	0.897
Barium	MG/KG	7.48	6.86	10.3	5.11	4.67
Beryllium	MG/KG	0.289 U	0.306 U	0.311 U	0.312 U	0.286 U
Cadmium	MG/KG	0.527 U	0.557 U	0.566 U	0.568 U	0.522 U
Calcium	MG/KG	43.6	52.9	382	157	27.7 U
Chromium	MG/KG	7.71	9.86	4.11	3.42	8.36 J
Cobalt	MG/KG	4.35 U	4.6 U	4.67 U	4.69 U	4.31 U
Copper	MG/KG	3.63 U	5.56	3.9 U	3.92 U	3.6 U
Iron	MG/KG	2990	34200	754	490	1470 J
Lead	MG/KG	4.03	4.73	4.68	4.62	2.75
Magnesium	MG/KG	183	78.2	107	65.7	40.2
Manganese	MG/KG	2.28	96.2	3.95	1.83	1.48
Mercury	MG/KG	0.06 U	0.08 U	0.1 U	0.12 U	0.015
Nickel	MG/KG	3.05 U	4.78	3.28 U	3.29 U	3.02 U
Potassium	MG/KG	129	71.1 U	80.7	72.6 U	66.6 UJ
Selenium	MG/KG	0.567 U	0.6 U	0.61 UJ	0.612 U	0.582 UJ
Silver	MG/KG	0.09 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.089 UJ
Sodium	MG/KG	42.6 UJ	45 UJ	45.8 UJ	45.9 UJ	42.2 U
Thallium	MG/KG	1.03 U	1.09 U	1.11 U	1.11 U	0.222 UJ
Vanadium	MG/KG	9.47	11	6.72	4.01 U	4.95
Zinc	MG/KG	3.81	7.9	5.16	3.2	8.81
Total Cyanide	MG/KG	1.12	1.18	1.2	1.21	1.11

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 74)
 FORMER DISPOSAL / POTENTIAL DISPOSAL / FORMER PEST CONTROL AREA SURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 TAL INORGANICS

Client Sample ID:	74-FDA-SB13-00	74-FDA-SB14-00	74-FDA-SB15-00	74-FDA-SB16-00	74-FDA-SB17-00	74-FDA-SB18-00	
Laboratory Sample ID:	9401121-08A	9401121-11A	9401132-02	9401132-05	9401132-08	9401132-11	
Date Sampled:							
Percent Solids	87.5	81	89.4	88.4	81.6	83.5	
	UNITS						
Aluminum	MG/KG	5050	4220	8650	8580	4440	4930
Antimony	MG/KG	1.8 UJ	1.95 UJ	1.77 UJ	1.79 UJ	1.94 UJ	1.89 UJ
Arsenic	MG/KG	0.663 U	0.716 U	1	0.66 U	0.71 U	0.69 U
Barium	MG/KG	5.43	4.69	9.39	8.85	6.05	4.03
Beryllium	MG/KG	0.295 U	0.318 U	0.288 U	0.292 U	0.316 U	0.309 U
Cadmium	MG/KG	0.537 U	0.58 U	0.526 U	0.532 U	0.576 U	0.563 U
Calcium	MG/KG	137	144	74.6	109	228	85
Chromium	MG/KG	2.34 J	2.96 J	9.82	8.94	4.91	3.99
Cobalt	MG/KG	4.43 U	4.79 U	4.34 U	4.39 U	4.75 U	4.65 U
Copper	MG/KG	3.7 U	4 U	3.62 U	3.66 U	3.97 U	3.88 U
Iron	MG/KG	833 J	435 J	4480	5400	701	830
Lead	MG/KG	4.86	4.44	5.51	2.8	4.63	3.7
Magnesium	MG/KG	74.2	67.3	151	135	70.5	63.7
Manganese	MG/KG	3.26	3.29	2.7	1.6	2.62	2.12
Mercury	MG/KG	0.068	0.075	0.056 U	0.056 U	0.09	0.067
Nickel	MG/KG	3.11 U	3.36 U	3.71	3.08 U	3.33 U	3.26 U
Potassium	MG/KG	68.6 UJ	74.1 UJ	155	81.8	73.5 U	71.8 U
Selenium	MG/KG	0.578 UJ	0.625 UJ	0.726 J	0.609	1.2	0.909
Silver	MG/KG	0.091 UJ	0.099 UJ	0.089 UJ	0.09 UJ	0.098 UJ	0.096 UJ
Sodium	MG/KG	43.4 U	46.9 U	42.5 U	43 U	46.6 U	45.5 U
Thallium	MG/KG	0.228 UJ	0.247 UJ	1.03 U	1.04 U	1.13 U	1.1 U
Vanadium	MG/KG	4.23	4.1 U	11.4	10.5	4.07 U	5
Zinc	MG/KG	13.7	4.41	6.25	3.29	3.56	3.33
Total Cyanide	MG/KG	1.14	1.23	1.12	1.13	1.22	1.2

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 74)
 FORMER DISPOSAL / POTENTIAL DISPOSAL / FORMER PEST CONTROL AREA SURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 TAL INORGANICS

Client Sample ID:	74-FDA-SB19-00	74-FDA-SB20-00	74-FDA-SB21-00	74-FDA-SB22-00	74-FDA-SB23-00	74-FDA-SB24-00	
Laboratory Sample ID:	9401132-14	9401132-17	9401138-03	9401138-06	9401138-10	9401140-01	
Date Sampled:							
Percent Solids	87.7	90.6	89.8	86.6	86.6	89.1	
	UNITS						
Aluminum	MG/KG	6510	10900	4600	8910	6290	5110
Antimony	MG/KG	1.8 UJ	1.74 UJ	1.76 UJ	1.82 UJ	1.82 UJ	1.77 U
Arsenic	MG/KG	0.66 U	0.64 U	0.646 U	0.67 U	0.67 U	0.764
Barium	MG/KG	5.51	13.3	4.14	10.5	8.08	6.08
Beryllium	MG/KG	0.295 U	0.285 U	0.287 U	0.298 U	0.298 U	0.29 U
Cadmium	MG/KG	0.536 U	0.519 U	0.523 U	0.543 U	0.543 U	0.527 U
Calcium	MG/KG	111	342	51.7	138	309	51900
Chromium	MG/KG	6.26	9.32	4.4	7.68	6.11	5.57
Cobalt	MG/KG	4.42 U	4.28 U	4.32 U	4.48 U	4.48 U	4.35 U
Copper	MG/KG	3.69 U	3.58 U	3.61 U	5.07	7.01	3.64 U
Iron	MG/KG	3060	5040	1110	5400	1880	2840
Lead	MG/KG	3.79	4.8	2.27 J	4.45 J	11.8 J	4.23
Magnesium	MG/KG	112	256	67.5	179	146	790
Manganese	MG/KG	2.9	6.44	1.99	2.62	4.79	46.9
Mercury	MG/KG	0.057 U	0.064	0.073 UJ	0.061 UJ	0.094 UJ	0.056 UJ
Nickel	MG/KG	3.1 U	3 U	3.03 U	3.14 U	3.46	4.4
Potassium	MG/KG	68.4 U	226	170 U	176 U	188	171 U
Selenium	MG/KG	0.834	0.899	0.563 UJ	0.584 UJ	0.584 UJ	0.568 U
Silver	MG/KG	0.091 UJ	0.088 UJ	0.089 UJ	0.092 UJ	0.116 J	0.09 UJ
Sodium	MG/KG	43.3 U	41.9 U	42.1 U	43.6 U	116	134
Thallium	MG/KG	1.05 U	1.02 U	1.02 U	1.06 U	1.06 U	1.03 UJ
Vanadium	MG/KG	7.13	15.1	6.03	12.4	11.8	11
Zinc	MG/KG	3.54	5.28	2.79 U	4.82 U	16	13.8
Total Cyanide	MG/KG	1.14	1.1	1.11	1.15	1.15	1.12

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 74)
 FORMER DISPOSAL / POTENTIAL DISPOSAL / FORMER PEST CONTROL AREA SURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 TAL INORGANICS

Client Sample ID:	74-FDA-SB25-00	74-FDA-SB26-00	74-FDA-SB27-00	74-FDA-SB28-00	74-FDA-SB29-00	74-FDA-SB30-00	
Laboratory Sample ID:	9401140-04	9401135-01A	9401148-01A	9401148-07A	9401148-04A	9401148-10A	
Date Sampled:							
Percent Solids	84.8	88	88.1	88	87.4	91.3	
	UNITS						
Aluminum	MG/KG	3530	707	5950	4050	5520	4760
Antimony	MG/KG	1.86 U	1.8 U	1.79 UJ	1.8 UJ	1.81 UJ	1.73 UJ
Arsenic	MG/KG	0.684 U	0.659 UJ	0.658 UJ	0.688 J	0.664 UJ	0.635 UJ
Barium	MG/KG	5.44	11	7.93	6.96	4.91	3.76
Beryllium	MG/KG	0.304 U	0.293 U	0.25 U	0.25 U	0.252 U	0.241 U
Cadmium	MG/KG	0.554 U	0.534 U	0.947 U	0.948 U	0.954 U	0.913 U
Calcium	MG/KG	251	288	527	77100	2460	2960
Chromium	MG/KG	2.61	2.94 U	3.93	5.46	4.82	2.86
Cobalt	MG/KG	4.58 U	2.22 U	2.21 U	2.22 U	2.23 U	2.14 U
Copper	MG/KG	3.82 U	3.68 U	4.31 U	4.32 U	4.35 U	4.16 U
Iron	MG/KG	495	437	2050	2110	784	691
Lead	MG/KG	4.75	10.7	4.47	5.12	3.9	3.08
Magnesium	MG/KG	29.8 U	29.6	114	1180	154	148
Manganese	MG/KG	1.71	4.11	3.07	72.6	4.52	6.42
Mercury	MG/KG	0.059 UJ	0.057 U	0.057 U	0.057 U	0.057 U	0.055 U
Nickel	MG/KG	3.21 U	3.15	3.09 U	3.2	3.11 U	2.98 U
Potassium	MG/KG	180 U	173 U	196	250	198	190
Selenium	MG/KG	0.597 U	0.705 J	0.574 UJ	0.575 UJ	0.579 UJ	0.554 UJ
Silver	MG/KG	0.094 UJ	0.091 U	0.091 UJ	0.091 UJ	0.092 UJ	0.088 UJ
Sodium	MG/KG	118	42.3 UJ	105 J	130 J	860	125 J
Thallium	MG/KG	1.08 UJ	1.04 U	1.04 U	1.04 U	1.05 U	1.01 U
Vanadium	MG/KG	3.92 U	3.77 U	4.09	8.29	6.28	3.92 U
Zinc	MG/KG	3.07 U	12.8	4.03	18.9	3.48 U	4.94
Total Cyanide	MG/KG	1.18	1.14	1.14	1.14	1.14	1.1

FREQUENCY OF DETECTION SUMMARY
OPERABLE UNIT NO. 4 (SITE 74)
FORMER DISPOSAL / POTENTIAL DISPOSAL / FORMER PEST CONTROL AREA SURFACE SOIL
MCB CAMP LEJEUNE, NORTH CAROLINA
REMEDIAL INVESTIGATION - CTO-0212
TAL INORGANICS

Client Sample ID:	74-FDA-SB31-00	74-FDA-SB32-00	74-FDA-SB33-00	74-FDA-SB34-00	74-FDA-SB35-00	74-FDA-SB36-00
Laboratory Sample ID:	9401148-13A	9401148-16A	9401108-04	9401108-06	9401108-07	9401108-08
Date Sampled:			01/19/94	01/19/94	01/19/94	01/19/94
Percent Solids	88	90	86.7	83.2	93.6	84.6

	UNITS					
Aluminum	MG/KG	6000	7220	3210.0	997.0	36.3
Antimony	MG/KG	1.8 UJ	1.76 UJ	1.82 UJ	1.90 UJ	1.69 UJ
Arsenic	MG/KG	0.659 UJ	0.644 UJ	0.669 UJ	0.697 UJ	0.620 UJ
Barium	MG/KG	9.26	8.98	4.58	4.20	2.93 U
Beryllium	MG/KG	0.25 U	0.244 U	0.298 U	0.310 U	0.276 U
Cadmium	MG/KG	0.948 U	0.927 U	0.543	0.565 U	0.502 U
Calcium	MG/KG	955	2330	51.2	96.4	26.7 U
Chromium	MG/KG	4.98	5.15	2.85	2.02	2.03
Cobalt	MG/KG	2.22 U	2.17 U	4.48 U	4.66 U	4.14 U
Copper	MG/KG	4.32 U	4.22 U	3.74 U	22.0	3.46 U
Iron	MG/KG	1640	2610	895.0 J	148.0 J	31.2 J
Lead	MG/KG	15.4	4.43	6.47 J	4.43 J	0.878 J
Magnesium	MG/KG	185	148	64.5	23.4	12.6 U
Manganese	MG/KG	4.19	3.25	2.50	1.70	2.41
Mercury	MG/KG	0.064	0.056 U	0.096 U	0.091 U	0.083 U
Nickel	MG/KG	3.09 U	3.02 U	3.14 UJ	3.27 UJ	2.90 UJ
Potassium	MG/KG	170	140	165.0	72.1 U	64.1 U
Selenium	MG/KG	0.575 UJ	0.562 UJ	0.584 U	0.608 U	0.540 U
Silver	MG/KG	0.091 UJ	0.089 UJ	0.092 UJ	0.096 UJ	0.085 UJ
Sodium	MG/KG	468	339 J	43.8 UJ	45.7 UJ	40.6 UJ
Thallium	MG/KG	1.04 U	1.02 U	0.231 UJ	0.240 U	0.214 U
Vanadium	MG/KG	7.82	8.19	4.42	3.99 U	3.55 U
Zinc	MG/KG	7.87	3.76	4.11 U	26.7	2.64 U
Total Cyanide	MG/KG	1.14	1.11	1.15	1.20	1.07

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 74)
 FORMER DISPOSAL / POTENTIAL DISPOSAL / FORMER PEST CONTROL AREA SURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 TAL INORGANICS

Client Sample ID:	74-FDA-SB37-00	74-PDA-SB01-00	74-PDA-SB02-00	74-PDA-SB03-00	74-PDA-SB04-00	74-PDA-SB06-00	
Laboratory Sample ID:	9401108-09	9402181-01	9402181-04	9402181-07	9402181-10	9402182-04	
Date Sampled:	01/19/94						
Percent Solids	87.2	90.8	90.2	74.4	82.1	73	
	UNITS						
Aluminum	MG/KG	5700.0	4010	2190	1570	3030	1120
Antimony	MG/KG	1.81 UJ	1.67 U	1.72	2.04 U	1.85 U	2.08 U
Arsenic	MG/KG	0.665 UJ	0.484 U	0.488 U	0.591 U	0.536 U	0.603 U
Barium	MG/KG	4.06	3.54	2.75 U	4.41	7.67	3.89
Beryllium	MG/KG	0.296 U	0.167 U	0.168 U	0.204 U	0.185 U	0.208 U
Cadmium	MG/KG	0.539 U	0.703 U	0.707 U	0.858 U	0.777 U	0.874 U
Calcium	MG/KG	28.7 U	442	137	333	433	91.8
Chromium	MG/KG	4.39	4.14	3.72	2.59	4.96	2.28 U
Cobalt	MG/KG	4.45 U	3.52 U	3.55 U	4.3 U	3.9 U	4.38 U
Copper	MG/KG	3.72 U	3.59 U	3.61 U	4.38 U	3.97 U	4.46 U
Iron	MG/KG	599.0 J	936	575	405	1630	330
Lead	MG/KG	4.17 J	2.93 J	2.83	2.39 J	4.18 J	3.07
Magnesium	MG/KG	48.0	65.2	38.1	37.6	81.1	19.7 U
Manganese	MG/KG	2.06	1.56 U	1.57 U	3.82	4.13	2.38
Mercury	MG/KG	0.085 U	0.055 U	0.055 U	0.067 U	0.061 U	0.07 UJ
Nickel	MG/KG	3.12 UJ	6.34 U	6.38 U	7.74 U	7.02 U	7.89 U
Potassium	MG/KG	68.8 U	168 U	169 U	205 U	186 U	209 U
Selenium	MG/KG	0.580 U	0.352 U	0.355 U	0.43 U	0.39 U	0.438 U
Silver	MG/KG	0.092 UJ	0.352 U	0.355 U	0.43 U	0.39 U	0.438 U
Sodium	MG/KG	43.6 UJ	81 U	81.6 U	98.9 U	89.6 U	101 UJ
Thallium	MG/KG	0.229 U	0.661 U	0.665 U	0.806 U	0.731 U	0.822 U
Vanadium	MG/KG	6.84	4.49 U	4.52 U	5.48 U	4.97 U	5.59 U
Zinc	MG/KG	3.49	3.39 U	3.15 U	3.8 U	3.72 U	3.86
Total Cyanide	MG/KG	1.15	1.1	1.11	1.34	1.22	1.37

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 74)
 FORMER DISPOSAL / POTENTIAL DISPOSAL / FORMER PEST CONTROL AREA SURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 TAL INORGANICS

Client Sample ID:	74-PDA-SB07-00	74-PDA-SB08-00	74-PDA-SB09-00	74-PDA-SB10-00	74-PDA-SB11-00	74-PDA-SB12-00	
Laboratory Sample ID:	9402179-03	9402182-08	9402179-06	9402179-09	9401133-02	9401133-03	
Date Sampled:							
Percent Solids	94.3	92.8	94.1	92.7	89.8	90	
	<u>UNITS</u>						
Aluminum	MG/KG	195	562	451	595	793	3030
Antimony	MG/KG	1.61 U	3.43	1.62 U	1.64 U	1.76 UJ	1.76 UJ
Arsenic	MG/KG	0.466 U	0.474 U	0.468 U	0.475 U	0.645 U	0.644 U
Barium	MG/KG	2.89	4.57	2.64 U	3.7	8.14	8
Beryllium	MG/KG	0.161 U	0.164 U	0.162 U	0.164 U	0.289 U	0.289 U
Cadmium	MG/KG	0.676 U	0.688 U	0.678 U	0.688 U	0.534 U	0.533 U
Calcium	MG/KG	102	390	44.4	62.2	136	112
Chromium	MG/KG	1.76 U	1.79 U	1.89	2.52	1.6 U	2.54
Cobalt	MG/KG	3.39 U	3.45 U	3.4 U	3.45 U	4.3 U	4.3 U
Copper	MG/KG	3.46 U	3.51 U	3.46 U	3.52 U	3.63 U	3.62 U
Iron	MG/KG	111	368	454	414	420	1530
Lead	MG/KG	1.58	5.46	1.69	4.12	7.6 J	4.7 J
Magnesium	MG/KG	15.2 U	19.8	17.4	16.3	21	57.8
Manganese	MG/KG	1.91	3.6	2.16	1.97	2.5	5.03
Mercury	MG/KG	0.053 U	0.05 UJ	0.053 U	0.054 U	0.056 U	0.056 UJ
Nickel	MG/KG	6.11 U	6.21 U	6.12 U	6.21 U	3 U	3 U
Potassium	MG/KG	162 U	164 U	162 U	165 U	114 U	140 U
Selenium	MG/KG	0.339 U	0.345 UJ	0.34 U	0.345 U	1.09	0.874
Silver	MG/KG	0.339 U	0.345 U	0.34 U	0.345 U	0.089 UJ	0.089 UJ
Sodium	MG/KG	78 U	79.3 UJ	78.2 U	79.4 U	42.3 UJ	42.2 UJ
Thallium	MG/KG	0.636 U	0.646 U	0.638 U	0.647 U	1.02 U	1.02 U
Vanadium	MG/KG	4.33 U	4.4 U	4.34 U	4.4 U	3.69 U	4.2
Zinc	MG/KG	2.27	4.22	2.94	3.28	2.2 U	2.52 U
Total Cyanide	MG/KG	1.06	1.08	1.06	1.08	1.11	1.11

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 74)
 FORMER DISPOSAL / POTENTIAL DISPOSAL / FORMER PEST CONTROL AREA SURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 TAL INORGANICS

Client Sample ID:	74-PDA-SB13-00	74-PDA-SB14-00	74-PDA-SB15-00	74-FPA-SB01-00	74-FPA-SB02-00	74-FPA-SB03-00
Laboratory Sample ID:	9401133-01	9401134-01	9401134-02	9402179-12	9402179-15	9402180-02A
Date Sampled:						
Percent Solids	86.3	88.6	83.1	89.7	92.5	87.5

	UNITS						
Aluminum	MG/KG	2860	740	3100	3070	2210	3640
Antimony	MG/KG	1.83 UJ	1.78 UJ	1.9 UJ	1.69 U	1.64 U	1.74 UJ
Arsenic	MG/KG	1.15	0.655 U	0.698 U	0.49 U	0.649	0.503 UJ
Barium	MG/KG	16.3	3.1 U	13	9.66	54.7	3.35
Beryllium	MG/KG	0.301 U	0.29 U	0.31 U	0.169 U	0.164 U	0.174 U
Cadmium	MG/KG	0.556 U	0.54 U	0.58 U	0.711 U	0.69 U	0.729 U
Calcium	MG/KG	1160	40.4	156	992	175000	34 U
Chromium	MG/KG	2.21	1.6 U	2.87	3.98	10.6	3.95
Cobalt	MG/KG	4.5 U	4.4 U	4.7 U	3.57 U	3.46 U	3.66 U
Copper	MG/KG	3.78 U	3.68 U	3.92 U	3.63 U	3.52 U	3.72 U
Iron	MG/KG	1540	416	1820	1240	2530	466
Lead	MG/KG	4.92 J	3.47 J	4.24 J	7.08	13.2	1.71
Magnesium	MG/KG	60.6	20.7	44.1	102	2790	83.7
Manganese	MG/KG	5.26	2.8	2.82	6.8	32.1	3.42
Mercury	MG/KG	0.058 UJ	0.056 UJ	0.05 UJ	0.056 U	0.054 U	0.057 U
Nickel	MG/KG	3.2 U	3.07 U	3.27 U	6.42 U	6.23 U	6.58 U
Potassium	MG/KG	146 U	115 U	123 U	170 U	351	174 U
Selenium	MG/KG	1.14	0.857	0.615	0.357 U	0.346 UJ	0.366 UJ
Silver	MG/KG	0.093 UJ	0.09 UJ	0.096 UJ	0.357 U	0.346 U	0.366 U
Sodium	MG/KG	44 UJ	42.9 UJ	45.7 UJ	82 U	219	84.1 UJ
Thallium	MG/KG	1.07 U	1.04 U	1.11 U	0.669 U	0.649 U	0.686 U
Vanadium	MG/KG	5.92	3.7 U	4.1	4.55 U	8.6	4.66 U
Zinc	MG/KG	5.18 U	2.1 U	4.26 U	7.1	33.9	3.77 U
Total Cyanide	MG/KG	1.16	1.13	1.2	1.11	1.08	1.14

FREQUENCY OF DETECTION SUMMARY
OPERABLE UNIT NO. 4 (SITE 74)
FORMER DISPOSAL / POTENTIAL DISPOSAL / FORMER PEST CONTROL AREA SURFACE SOIL
MCB CAMP LEJEUNE, NORTH CAROLINA
REMEDIAL INVESTIGATION - CTO-0212
TAL INORGANICS

Client Sample ID:	74-FPA-SB04-00	74-FPA-SB05-00	74-FPA-SB06-00	74-FPA-SB07-00	74-FPA-SB08-00	74-FPA-SB09-00	
Laboratory Sample ID:	9402179-18	9402180-05A	9402180-08A	9402180-12A	9402180-15A	9402180-18A	
Date Sampled:							
Percent Solids	95.2	93.9	90.9	93.7	89.1	90.4	
	<u>UNITS</u>						
Aluminum	MG/KG	308	290	2780	257	4620	1210
Antimony	MG/KG	1.6 U	1.62 UJ	1.67 UJ	1.62 UJ	1.7 UJ	1.68 UJ
Arsenic	MG/KG	0.462 U	0.468 UJ	0.621 J	0.47 UJ	0.494 UJ	0.487 UJ
Barium	MG/KG	2.6 U	8.68	8.45	3.93	3.75	6.58
Beryllium	MG/KG	0.16 U	0.162 U	0.167 U	0.162 U	0.17 U	0.168 U
Cadmium	MG/KG	0.67 U	0.679 U	0.702 U	0.681 U	0.716 U	0.706 U
Calcium	MG/KG	34.9	70.6	22000	111	33.4 U	50.3
Chromium	MG/KG	1.74 U	1.77 U	4.7	1.77 U	2.95	2.03
Cobalt	MG/KG	3.36 U	3.41 U	3.52 U	3.42 U	3.59 U	3.54 U
Copper	MG/KG	3.42 U	3.47 U	3.59 U	3.48 U	3.66 U	3.61 U
Iron	MG/KG	265	146	1500	155	1960	649
Lead	MG/KG	0.946	0.983	5.98	1.91	2.03	1.77
Magnesium	MG/KG	15.1 U	15.3 U	442	15.3 U	52.6	20
Manganese	MG/KG	2.5	2.69	9.77	4.42	3.76	2.93
Mercury	MG/KG	0.092	0.053 U	0.055 U	0.053 U	0.056 U	0.055 U
Nickel	MG/KG	6.05 U	6.13 U	6.34 U	6.15 U	6.46 U	6.37 U
Potassium	MG/KG	160 U	162 U	168 U	163 U	171 U	169 U
Selenium	MG/KG	0.336 UJ	0.341 UJ	0.352 UJ	0.342 UJ	0.359 UJ	0.354 UJ
Silver	MG/KG	0.336 U	0.341 U	0.352 U	0.342 U	0.359 U	0.354 U
Sodium	MG/KG	77.3 U	78.4 UJ	81 UJ	78.5 UJ	82.6 UJ	81.4 UJ
Thallium	MG/KG	0.63 U	0.639 U	0.66 U	0.64 U	0.673 U	0.664 U
Vanadium	MG/KG	4.28 U	4.34 U	6.09	4.35 U	5.75	4.51 U
Zinc	MG/KG	2.22 U	4.14 U	11.6	2.75 U	3.79 U	3.35 U
Total Cyanide	MG/KG	1.05	1.06	1.1	1.07	1.12	1.11

FREQUENCY OF DETECTION SUMMARY
OPERABLE UNIT NO. 4 (SITE 74)
FORMER DISPOSAL / POTENTIAL DISPOSAL / FORMER PEST CONTROL AREA SURFACE SOIL
MCB CAMP LEJEUNE, NORTH CAROLINA
REMEDIAL INVESTIGATION - CTO-0212
TAL INORGANICS

Client Sample ID:
 Laboratory Sample ID:

Date Sampled:
 Percent Solids

		MINIMUM	MAXIMUM	MINIMUM	MAXIMUM	LOCATION OF	FREQUENCY
		NONDETECTED	NONDETECTED	DETECTED	DETECTED	MAXIMUM	OF
						DETECTED	DETECTION
	UNITS						
Aluminum	MG/KG	NA	NA	36.3	10900	74-FDA-SB20-00	60/60
Antimony	MG/KG	1.6 U	2.08 U	1.72	3.43	74-PDA-SB08-00	2/60
Arsenic	MG/KG	0.462 U	0.739 U	0.621 J	1.16	74-FDA-SB12-00	9/60
Barium	MG/KG	2.6 U	3.21 U	2.89	54.7	74-FPA-SB02-00	54/60
Beryllium	MG/KG	0.16 U	0.329 U	ND	ND		0/60
Cadmium	MG/KG	0.502 U	0.954 U	0.543	0.686	74-FDA-SB05-00	4/60
Calcium	MG/KG	26.7 U	34 U	34.9	175000	74-FPA-SB02-00	53/60
Chromium	MG/KG	1.6 U	2.94 U	1.89	10.6	74-FPA-SB02-00	50/60
Cobalt	MG/KG	2.14 U	4.94 U	ND	ND		0/60
Copper	MG/KG	3.42 U	4.46 U	5.07	22	74-FDA-SB34-00	4/60
Iron	MG/KG	NA	NA	31.2 J	34200	74-FDA-SB08-00	60/60
Lead	MG/KG	NA	NA	0.878 J	15.4	74-FDA-SB31-00	60/60
Magnesium	MG/KG	12.6 U	29.8 U	16.3	2790	74-FPA-SB02-00	52/60
Manganese	MG/KG	1.56 U	1.57 U	1.44	96.2	74-FDA-SB08-00	58/60
Mercury	MG/KG	0.05 UJ	0.64 UJ	0.015	0.092	74-FPA-SB04-00	8/60
Nickel	MG/KG	2.9 UJ	7.89 U	3.15	4.78	74-FDA-SB08-00	6/60
Potassium	MG/KG	64.1 U	209 U	80.7	351	74-FPA-SB02-00	16/60
Selenium	MG/KG	0.336 UJ	0.625 UJ	0.609	1.2	74-FDA-SB17-00	14/60
Silver	MG/KG	0.085 UJ	0.438 U	0.116 J	0.116 J	74-FDA-SB23-00	1/60
Sodium	MG/KG	40.6 UJ	101 UJ	105 J	860	74-FDA-SB29-00	10/60
Thallium	MG/KG	0.214 U	1.17 UJ	ND	ND		0/60
Vanadium	MG/KG	3.55 U	5.59 U	4.03	15.1	74-FDA-SB20-00	34/60
Zinc	MG/KG	2.1 U	6.36 U	2.27	33.9	74-FPA-SB02-00	33/60
Total Cyanide	MG/KG	NA	NA	1.05	1.37	74-PDA-SB06-00	60/60

APPENDIX O.20
**SITE 74 FORMER DISPOSAL/POTENTIAL DISPOSAL/
FORMER PEST CONTROL AREA SUBSURFACE SOIL ORGANICS**

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 74)
 FORMER DISPOSAL / POTENTIAL DISPOSAL / FORMER PEST CONTROL AREA SUBSURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	74-PDA-SB01-01	74-PDA-SB01-02	74-PDA-SB02-01	74-PDA-SB02-03	74-PDA-SB03-02	74-PDA-SB03-04	
Laboratory Sample ID:	9402181-02	9402181-03	9402181-05	9402181-06	9402181-08	9402181-09	
Date Sampled:	02/19/94	02/19/94	02/19/94	02/19/94	02/19/94	02/19/94	
Percent Solids	89.8	84.9	89.3	85.4	89.0	81.6	
SEMIVOLATILES							
1,2-Dichlorobenzene	UG/KG	367.0 U	388.0 U	740 U	388.0 U	742 U	806 U
1,2,4-Trichlorobenzene	UG/KG	367.0 U	388.0 U	740 U	388.0 U	742 U	806 U
1,3-Dichlorobenzene	UG/KG	367.0 U	388.0 U	740 U	388.0 U	742 U	806 U
1,4-Dichlorobenzene	UG/KG	367.0 U	388.0 U	740 U	388.0 U	742 U	806 U
2-Chloronaphthalene	UG/KG	367.0 U	388.0 U	740 U	388.0 U	742 U	806 U
2-Chlorophenol	UG/KG	367.0 U	388.0 U	740 U	388.0 U	742 U	806 U
2-Methylnaphthalene	UG/KG	367.0 U	388.0 U	740 U	388.0 U	742 U	806 U
2-Methylphenol	UG/KG	367.0 U	388.0 U	740 U	388.0 U	742 U	806 U
2-Nitroaniline	UG/KG	889.0 U	941.0 U	1792 U	941.0 U	1798 U	1952 U
2-Nitrophenol	UG/KG	367.0 U	388.0 U	740 U	388.0 U	742 U	806 U
2,2'-oxybis-(1-chloropropane)	UG/KG	367.0 UJ	388.0 UJ	740 R	388.0 UJ	742 U	806 U
2,4-Dichlorophenol	UG/KG	367.0 U	388.0 U	740 U	388.0 U	742 U	806 U
2,4-Dimethylphenol	UG/KG	367.0 U	388.0 U	740 U	388.0 U	742 U	806 U
2,4-Dinitrophenol	UG/KG	889.0 U	941.0 U	1792 UJ	941.0 U	1798 U	1952 U
2,4-Dinitrotoluene	UG/KG	367.0 U	388.0 U	740 U	388.0 U	742 U	806 U
2,4,5-Trichlorophenol	UG/KG	889.0 U	941.0 U	1792 U	941.0 U	1798 U	1952 U
2,4,6-Trichlorophenol	UG/KG	367.0 U	388.0 U	740 U	388.0 U	742 U	806 U
2,6-Dinitrotoluene	UG/KG	367.0 U	388.0 U	740 U	388.0 U	742 U	806 U
3-Nitroaniline	UG/KG	889.0 U	941.0 U	1792 U	941.0 U	1798 U	1952 U
3,3'-Dichlorobenzidine	UG/KG	367.0 U	388.0 U	740 U	388.0 U	742 U	806 U
4-Bromophenyl-phenylether	UG/KG	367.0 U	388.0 U	740 U	388.0 U	742 U	806 U
4-Chloro-3-methylphenol	UG/KG	367.0 U	388.0 U	740 U	388.0 U	742 U	806 U
4-Chloroaniline	UG/KG	367.0 U	388.0 U	740 U	388.0 U	742 U	806 U
4-Chlorophenyl phenyl ether	UG/KG	367.0 U	388.0 U	740 U	388.0 U	742 U	806 U
4-Methylphenol	UG/KG	367.0 U	388.0 U	740 U	388.0 U	742 U	806 U
4-Nitroaniline	UG/KG	889.0 U	941.0 U	1792 U	941.0 U	1798 U	1952 U
4-Nitrophenol	UG/KG	889.0 U	941.0 U	1792 U	941.0 U	1798 U	1952 U
4,6-Dinitro-2-methylphenol	UG/KG	889.0 U	941.0 U	1792 U	941.0 U	1798 U	1952 U
Acenaphthene	UG/KG	367.0 U	388.0 U	740 U	388.0 U	742 U	806 U
Acenaphthylene	UG/KG	367.0 U	388.0 U	740 U	388.0 U	742 U	806 U
Anthracene	UG/KG	367.0 U	388.0 U	740 U	388.0 U	742 U	806 U
Benzo[a]anthracene	UG/KG	367.0 U	388.0 U	740 U	388.0 U	742 U	806 U
Benzo[a]pyrene	UG/KG	367.0 U	388.0 U	740 U	388.0 U	742 U	806 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 74)
 FORMER DISPOSAL / POTENTIAL DISPOSAL / FORMER PEST CONTROL AREA SUBSURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	74-PDA-SB01-01	74-PDA-SB01-02	74-PDA-SB02-01	74-PDA-SB02-03	74-PDA-SB03-02	74-PDA-SB03-04
Laboratory Sample ID:	9402181-02	9402181-03	9402181-05	9402181-06	9402181-08	9402181-09
Date Sampled:	02/19/94	02/19/94	02/19/94	02/19/94	02/19/94	02/19/94
Percent Solids	89.8	84.9	89.3	85.4	89.0	81.6

SEMIVOLATILES Cont.

Benzo[b]fluoranthene	UG/KG	367.0 U	388.0 U	740 U	388.0 U	742 U	806 U
Benzo[g,h,i]perylene	UG/KG	367.0 U	388.0 U	740 U	388.0 U	742 U	806 U
Benzo[k]fluoranthene	UG/KG	367.0 U	388.0 U	740 U	388.0 U	742 U	806 U
bis(2-Chloroethoxy) methane	UG/KG	367.0 U	388.0 U	740 U	388.0 U	742 U	806 U
bis(2-Chloroethyl) ether	UG/KG	367.0 U	388.0 U	740 U	388.0 U	742 U	806 U
bis(2-Ethylhexyl)phthalate	UG/KG	370.0 U	390.0 U	750 U	390.0 U	742 U	806 U
Butyl benzyl phthalate	UG/KG	367.0 U	388.0 U	740 U	388.0 U	742 U	806 U
Carbazole	UG/KG	367.0 U	388.0 U	740 U	388.0 U	742 U	806 U
Chrysene	UG/KG	367.0 U	388.0 U	740 U	388.0 U	742 U	806 U
Dibenzofuran	UG/KG	367.0 U	388.0 U	740 U	388.0 U	742 U	806 U
Dibenz[a,h]anthracene	UG/KG	367.0 U	388.0 U	740 U	388.0 U	742 U	806 U
Diethylphthalate	UG/KG	367.0 U	388.0 U	740 U	388.0 U	742 U	806 U
Dimethyl phthalate	UG/KG	367.0 U	388.0 U	740 U	388.0 U	742 U	806 U
di-n-Butylphthalate	UG/KG	370.0 U	390.0 U	750 U	390.0 U	750 U	806 U
di-n-Octylphthalate	UG/KG	367.0 U	388.0 U	740 U	388.0 U	742 U	806 U
Fluoranthene	UG/KG	367.0 U	388.0 U	740 U	388.0 U	742 U	806 U
Fluorene	UG/KG	367.0 U	388.0 U	740 U	388.0 U	742 U	806 U
Hexachlorobenzene	UG/KG	367.0 U	388.0 U	740 U	388.0 U	742 U	806 U
Hexachlorobutadiene	UG/KG	367.0 U	388.0 U	740 U	388.0 U	742 U	806 U
Hexachlorocyclopentadiene	UG/KG	367.0 U	388.0 U	740 U	388.0 U	742 U	806 U
Hexachloroethane	UG/KG	367.0 U	388.0 U	740 U	388.0 U	742 U	806 U
Indeno[1,2,3-cd]pyrene	UG/KG	367.0 U	388.0 U	740 U	388.0 U	742 U	806 U
Isophorone	UG/KG	367.0 U	388.0 U	740 U	388.0 U	742 U	806 U
Naphthalene	UG/KG	367.0 U	388.0 U	740 U	388.0 U	742 U	806 U
Nitrobenzene	UG/KG	367.0 U	388.0 U	740 U	388.0 U	742 U	806 U
N-Nitroso-di-n-propylamine	UG/KG	367.0 U	388.0 U	740 U	388.0 U	742 U	806 U
N-nitrosodiphenylamine	UG/KG	367.0 U	388.0 U	740 U	388.0 U	742 U	806 U
Pentachlorophenol	UG/KG	889.0 U	941.0 U	1792 U	941.0 U	1798 U	1952 U
Phenanthrene	UG/KG	367.0 U	388.0 U	740 U	388.0 U	742 U	806 U
Phenol	UG/KG	367.0 U	388.0 U	740 U	388.0 U	742 U	806 U
Pyrene	UG/KG	367.0 U	388.0 U	740 U	388.0 U	742 U	806 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 74)
 FORMER DISPOSAL / POTENTIAL DISPOSAL / FORMER PEST CONTROL AREA SUBSURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	74-PDA-SB01-01	74-PDA-SB01-02	74-PDA-SB02-01	74-PDA-SB02-03	74-PDA-SB03-02	74-PDA-SB03-04	
Laboratory Sample ID:	9402181-02	9402181-03	9402181-05	9402181-06	9402181-08	9402181-09	
Date Sampled:	02/19/94	02/19/94	02/19/94	02/19/94	02/19/94	02/19/94	
Percent Solids	89.8	84.9	89.3	85.4	89.0	81.6	
VOLATILES							
Chloromethane	UG/KG	11.0 U	12.0 U	11.0 U	12.0 U	11.0 U	12.0 U
Bromomethane	UG/KG	11.0 U	12.0 U	11.0 U	12.0 U	11.0 U	12.0 U
Vinyl chloride	UG/KG	11.0 U	12.0 U	11.0 U	12.0 U	11.0 U	12.0 U
Chloroethane	UG/KG	11.0 U	12.0 U	11.0 U	12.0 U	11.0 U	12.0 U
Methylene chloride	UG/KG	11.00 U	12.00 U	11.00 U	12.0 U	11.00 U	12.00 U
Acetone	UG/KG	93.0	130.0	580.0	20.0	92.0	37.0
Carbon Disulfide	UG/KG	11.0 U	12.0 U	11.0 U	12.0 U	11.0 U	12.0 U
1,1-Dichloroethene	UG/KG	11.0 U	12.0 U	11.0 U	12.0 U	11.0 U	12.0 U
1,1-Dichloroethane	UG/KG	11.0 U	12.0 U	11.0 U	12.0 U	11.0 U	12.0 U
1,2-Dichloroethene(total)	UG/KG	11.0 U	12.0 U	11.0 U	12.0 U	11.0 U	12.0 U
Chloroform	UG/KG	11.0 U	12.0 U	11.0 U	12.0 U	11.0 U	12.0 U
1,2-Dichloroethane	UG/KG	11.0 U	12.0 U	11.0 U	12.0 U	11.0 U	12.0 U
2-Butanone	UG/KG	11.0 U	12.0 U	11.0 U	12.0 U	11.0 U	12.0 U
1,1,1-Trichloroethane	UG/KG	11.0 U	12.0 U	11.0 U	12.0 U	11.0 U	12.0 U
Carbon tetrachloride	UG/KG	11.0 U	12.0 U	11.0 U	12.0 U	11.0 U	12.0 U
Bromodichloromethane	UG/KG	11.0 U	12.0 U	11.0 U	12.0 U	11.0 U	12.0 U
1,2-Dichloropropane	UG/KG	11.0 U	12.0 U	11.0 U	12.0 U	11.0 U	12.0 U
cis-1,3-Dichloropropene	UG/KG	11.0 U	12.0 U	11.0 U	12.0 U	11.0 U	12.0 U
Trichloroethene	UG/KG	11.0 U	12.0 U	11.0 U	12.0 U	11.0 U	12.0 U
Dibromochloromethane	UG/KG	11.0 U	12.0 U	11.0 U	12.0 U	11.0 U	12.0 U
1,1,2-Trichloroethane	UG/KG	11.0 U	12.0 U	11.0 U	12.0 U	11.0 U	12.0 U
Benzene	UG/KG	11.0 U	12.0 U	11.0 U	12.0 U	11.0 U	12.0 U
trans-1,3-Dichloropropene	UG/KG	11.0 U	12.0 U	11.0 U	12.0 U	11.0 U	12.0 U
Bromoform	UG/KG	11.0 U	12.0 U	11.0 U	12.0 U	11.0 U	12.0 U
4-Methyl-2-pentanone	UG/KG	11.0 U	12.0 U	11.0 U	12.0 U	11.0 U	12.0 U
2-Hexanone	UG/KG	11.0 U	12.0 U	11.0 U	12.0 U	11.0 U	12.0 U
Tetrachloroethene	UG/KG	11.0 U	12.0 U	11.0 U	12.0 U	11.0 U	12.0 U
1,1,2,2-Tetrachloroethane	UG/KG	11.0 U	12.0 U	11.0 U	12.0 U	11.0 U	12.0 U
Toluene	UG/KG	11.0 U	12.0 U	11.0 U	12.0 U	11.0 U	12.0 U
Chlorobenzene	UG/KG	11.0 U	12.0 U	11.0 U	12.0 U	11.0 U	12.0 U
Ethylbenzene	UG/KG	11.0 U	12.0 U	11.0 U	12.0 U	11.0 U	12.0 U
Styrene	UG/KG	11.0 U	12.0 U	11.0 U	12.0 U	11.0 U	12.0 U
Xylenes (total)	UG/KG	11.0 U	12.0 U	11.0 U	12.0 U	11.0 U	12.0 U

FREQUENCY OF DETECTION SUMMARY
OPERABLE UNIT NO. 4 (SITE 74)
FORMER DISPOSAL / POTENTIAL DISPOSAL / FORMER PEST CONTROL AREA SUBSURFACE SOIL
MCB CAMP LEJEUNE, NORTH CAROLINA
REMEDIAL INVESTIGATION - CTO-0212
ORGANICS

Client Sample ID:	74-PDA-SB01-01	74-PDA-SB01-02	74-PDA-SB02-01	74-PDA-SB02-03	74-PDA-SB03-02	74-PDA-SB03-04	
Laboratory Sample ID:	9402181-02	9402181-03	9402181-05	9402181-06	9402181-08	9402181-09	
Date Sampled:	02/19/94	02/19/94	02/19/94	02/19/94	02/19/94	02/19/94	
Percent Solids	89.8	84.9	89.3	85.4	89.0	81.6	
PESTICIDE/PCBS							
alpha-BHC	UG/KG	1.89 UJ	2.00 UJ	1.91 UJ	2.00 UJ	1.91 UJ	2.07 UJ
beta-BHC	UG/KG	1.89 UJ	2.00 UJ	1.91 UJ	2.00 UJ	1.91 UJ	2.07 UJ
delta-BHC	UG/KG	1.89 UJ	2.00 UJ	1.91 UJ	2.00 UJ	1.91 UJ	2.07 UJ
Lindane (gamma-BHC)	UG/KG	1.89 UJ	2.00 UJ	1.91 UJ	2.00 UJ	1.91 UJ	2.07 UJ
Heptachlor	UG/KG	1.89 U	2.00 U	1.91 UJ	2.00 UJ	1.91 UJ	2.07 UJ
Aldrin	UG/KG	1.89 U	2.00 U	1.91 UJ	2.00 UJ	1.91 UJ	2.07 UJ
Heptachlor epoxide	UG/KG	1.89 U	2.00 U	1.91 UJ	2.00 UJ	1.91 UJ	2.07 UJ
Endosulfan I	UG/KG	1.89 U	2.00 U	1.91 UJ	2.00 UJ	1.91 UJ	2.07 UJ
Dieldrin	UG/KG	3.67 U	3.88 U	3.71 UJ	3.88 UJ	3.71 UJ	4.02 UJ
4,4'-DDE	UG/KG	3.67 U	3.88 U	3.71 UJ	3.88 UJ	3.71 UJ	4.02 UJ
Endrin	UG/KG	3.67 U	3.88 U	3.71 UJ	3.88 UJ	3.71 UJ	4.02 UJ
Endosulfan II	UG/KG	3.67 U	3.88 U	3.71 UJ	3.88 UJ	3.71 UJ	4.02 UJ
4,4'-DDD	UG/KG	3.67 UJ	3.88 UJ	3.71 UJ	3.88 UJ	3.71 UJ	4.02 UJ
Endosulfan sulfate	UG/KG	3.67 U	3.88 U	3.71 UJ	3.88 UJ	3.71 UJ	4.02 UJ
4,4'-DDT	UG/KG	3.67 UJ	3.88 UJ	3.71 UJ	3.88 UJ	3.71 UJ	4.02 UJ
Methoxychlor	UG/KG	18.9 U	20.0 U	19.1 UJ	20.0 UJ	19.1 UJ	20.7 UJ
Endrin ketone	UG/KG	3.67 U	3.88 U	3.71 UJ	3.88 UJ	3.71 UJ	4.02 UJ
Endrin aldehyde	UG/KG	3.67 U	3.88 U	3.71 UJ	3.88 UJ	3.71 UJ	4.02 UJ
alpha-Chlordane	UG/KG	1.89 U	2.00 U	1.91 UJ	2.00 UJ	1.91 UJ	2.07 UJ
gamma-Chlordane	UG/KG	1.89 U	2.00 U	1.91 UJ	2.00 UJ	1.91 UJ	2.07 UJ
Toxaphene	UG/KG	189.0 U	200.0 U	191.0 UJ	200.0 UJ	191.0 UJ	207.0 UJ
Aroclor 1016	UG/KG	36.7 U	38.8 U	37.1 UJ	38.8 UJ	37.1 UJ	40.2 UJ
Aroclor 1221	UG/KG	74.4 U	78.8 U	75.3 UJ	78.8 UJ	75.3 UJ	81.7 UJ
Aroclor 1232	UG/KG	36.7 U	38.8 U	37.1 UJ	38.8 UJ	37.1 UJ	40.2 UJ
Aroclor 1242	UG/KG	36.7 U	38.8 U	37.1 UJ	38.8 UJ	37.1 UJ	40.2 UJ
Aroclor 1248	UG/KG	36.7 U	38.8 U	37.1 UJ	38.8 UJ	37.1 UJ	40.2 UJ
Aroclor 1254	UG/KG	36.7 U	38.8 U	37.1 UJ	38.8 UJ	37.1 UJ	40.2 UJ
Aroclor 1260	UG/KG	36.7 U	38.8 U	37.1 UJ	38.8 UJ	37.1 UJ	40.2 UJ

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 74)
 FORMER DISPOSAL / POTENTIAL DISPOSAL / FORMER PEST CONTROL AREA SUBSURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	74-PDA-SB04-05	74-PDA-SB05-02	74-PDA-SB05-03	74-PDA-SB06-02	74-PDA-SB06-04	74-PDA-SB07-01	
Laboratory Sample ID:	9402181-11	9402182-02	9402182-03	9402182-06	9402182-07	9402179-04	
Date Sampled:	02/19/94	02/19/94	02/19/94	02/19/94	02/19/94	02/20/94	
Percent Solids	86.8	91.6	91.6	91.3	83.3	90.6	
SEMIVOLATILES							
1,2-Dichlorobenzene	UG/KG	752 U	720 U	720 U	730.0 U	800.0 U	730.0 U
1,2,4-Trichlorobenzene	UG/KG	752 U	720 U	720 U	730.0 U	800.0 U	730.0 U
1,3-Dichlorobenzene	UG/KG	752 U	720 U	720 U	730.0 U	800.0 U	730.0 U
1,4-Dichlorobenzene	UG/KG	752 U	720 U	720 U	730.0 U	800.0 U	730.0 U
2-Chloronaphthalene	UG/KG	752 U	720 U	720 U	730.0 U	800.0 U	730.0 U
2-Chlorophenol	UG/KG	752 U	720 U	720 U	730.0 U	800.0 U	730.0 U
2-Methylnaphthalene	UG/KG	752 U	720 U	720 U	730.0 U	800.0 U	730.0 U
2-Methylphenol	UG/KG	752 U	720 U	720 U	730.0 U	800.0 U	730.0 U
2-Nitroaniline	UG/KG	1824 U	1744 U	1744 U	1800.0 U	2000.0 U	1800.0 U
2-Nitrophenol	UG/KG	752 U	720 U	720 U	730.0 U	800.0 U	730.0 U
2,2'-oxybis-(1-chloropropane)	UG/KG	752 U	720 U	720 U	730.0 U	800.0 U	730.0 UJ
2,4-Dichlorophenol	UG/KG	752 U	720 U	720 U	730.0 U	800.0 U	730.0 U
2,4-Dimethylphenol	UG/KG	752 U	720 U	720 U	730.0 U	800.0 U	730.0 U
2,4-Dinitrophenol	UG/KG	1824 U	1744 U	1744 U	1800.0 U	2000.0 U	1800.0 UJ
2,4-Dinitrotoluene	UG/KG	752 U	720 U	720 U	730.0 U	800.0 U	730.0 U
2,4,5-Trichlorophenol	UG/KG	1824 U	1744 U	1744 U	1800.0 U	2000.0 U	1800.0 U
2,4,6-Trichlorophenol	UG/KG	752 U	720 U	720 U	730.0 U	800.0 U	730.0 U
2,6-Dinitrotoluene	UG/KG	752 U	720 U	720 U	730.0 U	800.0 U	730.0 U
3-Nitroaniline	UG/KG	1824 U	1744 U	1744 U	1800.0 U	2000.0 U	1800.0 U
3,3'-Dichlorobenzidine	UG/KG	752 U	720 U	720 U	730.0 U	800.0 U	730.0 U
4-Bromophenyl-phenylether	UG/KG	752 U	720 U	720 U	730.0 U	800.0 U	730.0 U
4-Chloro-3-methylphenol	UG/KG	752 U	720 U	720 U	730.0 U	800.0 U	730.0 U
4-Chloroaniline	UG/KG	752 U	720 U	720 U	730.0 U	800.0 U	730.0 U
4-Chlorophenyl phenyl ether	UG/KG	752 U	720 U	720 U	730.0 U	800.0 U	730.0 U
4-Methylphenol	UG/KG	752 U	720 U	720 U	730.0 U	800.0 U	730.0 U
4-Nitroaniline	UG/KG	1824 U	1744 U	1744 U	1800.0 U	2000.0 U	1800.0 U
4-Nitrophenol	UG/KG	1824 U	1744 U	1744 U	1800.0 U	2000.0 U	1800.0 UJ
4,6-Dinitro-2-methylphenol	UG/KG	1824 U	1744 U	1744 U	1800.0 U	2000.0 U	1800.0 U
Acenaphthene	UG/KG	752 U	720 U	720 U	730.0 U	800.0 U	730.0 U
Acenaphthylene	UG/KG	752 U	720 U	720 U	730.0 U	800.0 U	730.0 U
Anthracene	UG/KG	752 U	720 U	720 U	730.0 U	800.0 U	730.0 U
Benzo[a]anthracene	UG/KG	752 U	720 U	720 U	730.0 U	800.0 U	730.0 U
Benzo[a]pyrene	UG/KG	752 U	720 U	720 U	730.0 U	800.0 U	730.0 U

FREQUENCY OF DETECTION SUMMARY
OPERABLE UNIT NO. 4 (SITE 74)
FORMER DISPOSAL / POTENTIAL DISPOSAL / FORMER PEST CONTROL AREA SUBSURFACE SOIL
MCB CAMP LEJEUNE, NORTH CAROLINA
REMEDIAL INVESTIGATION - CTO-0212
ORGANICS

Client Sample ID:	74-PDA-SB04-05	74-PDA-SB05-02	74-PDA-SB05-03	74-PDA-SB06-02	74-PDA-SB06-04	74-PDA-SB07-01
Laboratory Sample ID:	9402181-11	9402182-02	9402182-03	9402182-06	9402182-07	9402179-04
Date Sampled:	02/19/94	02/19/94	02/19/94	02/19/94	02/19/94	02/20/94
Percent Solids	86.8	91.8	91.6	91.3	83.3	90.6

SEMIVOLATILES Cont.							
Benzo[b]fluoranthene	UG/KG	752 U	720 U	720 U	730.0 U	800.0 U	730.0 U
Benzo[g,h,i]perylene	UG/KG	752 U	720 U	720 U	730.0 U	800.0 U	730.0 U
Benzo[k]fluoranthene	UG/KG	752 U	720 U	720 U	730.0 U	800.0 U	730.0 U
bis(2-Chloroethoxy) methane	UG/KG	752 U	720 U	720 U	730.0 U	800.0 U	730.0 U
bis(2-Chloroethyl) ether	UG/KG	752 U	720 U	720 U	730.0 U	800.0 U	730.0 U
bis(2-Ethylhexyl)phthalate	UG/KG	752 U	720 U	720 U	730.0 U	800.0 U	159.0 J
Butyl benzyl phthalate	UG/KG	752 U	720 U	720 U	730.0 U	800.0 U	730.0 U
Carbazole	UG/KG	752 U	720 U	720 U	730.0 U	800.0 U	730.0 U
Chrysene	UG/KG	752 U	720 U	720 U	730.0 U	800.0 U	730.0 U
Dibenzofuran	UG/KG	752 U	720 U	720 U	730.0 U	800.0 U	730.0 U
Dibenz[a,h]anthracene	UG/KG	752 U	720 U	720 U	730.0 U	800.0 U	730.0 U
Diethylphthalate	UG/KG	752 U	720 U	720 U	730.0 U	874.0	730.0 U
Dimethyl phthalate	UG/KG	752 U	720 U	720 U	730.0 U	800.0 U	730.0 U
di-n-Butylphthalate	UG/KG	752 U	720 U	720 U	730.0 U	800.0 U	95.0 J
di-n-Octylphthalate	UG/KG	752 U	720 U	720 U	730.0 U	800.0 U	730.0 U
Fluoranthene	UG/KG	752 U	720 U	720 U	730.0 U	800.0 U	730.0 U
Fluorene	UG/KG	752 U	720 U	720 U	730.0 U	800.0 U	730.0 U
Hexachlorobenzene	UG/KG	752 U	720 U	720 U	730.0 U	800.0 U	730.0 U
Hexachlorobutadiene	UG/KG	752 U	720 U	720 U	730.0 U	800.0 U	730.0 U
Hexachlorocyclopentadiene	UG/KG	752 U	720 U	720 U	730.0 U	800.0 U	730.0 U
Hexachloroethane	UG/KG	752 U	720 U	720 U	730.0 U	800.0 U	730.0 U
Indeno[1,2,3-cd]pyrene	UG/KG	752 U	720 U	720 U	730.0 U	800.0 U	730.0 U
Isophorone	UG/KG	752 U	720 U	720 U	730.0 U	800.0 U	730.0 U
Naphthalene	UG/KG	752 U	720 U	720 U	730.0 U	800.0 U	730.0 U
Nitrobenzene	UG/KG	752 U	720 U	720 U	730.0 U	800.0 U	730.0 U
N-Nitroso-di-n-propylamine	UG/KG	752 U	720 U	720 U	730.0 U	800.0 U	730.0 U
N-nitrosodiphenylamine	UG/KG	752 U	720 U	720 U	730.0 U	800.0 U	730.0 U
Pentachlorophenol	UG/KG	1824 U	1744 U	1744 U	1800.0 U	2000.0 U	1800.0 U
Phenanthrene	UG/KG	752 U	720 U	720 U	730.0 U	800.0 U	730.0 U
Phenol	UG/KG	752 U	720 U	720 U	730.0 U	800.0 U	730.0 U
Pyrene	UG/KG	752 U	720 U	720 U	730.0 U	800.0 U	730.0 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 74)
 FORMER DISPOSAL / POTENTIAL DISPOSAL / FORMER PEST CONTROL AREA SUBSURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	74-PDA-SB04-05	74-PDA-SB05-02	74-PDA-SB05-03	74-PDA-SB06-02	74-PDA-SB06-04	74-PDA-SB07-01
Laboratory Sample ID:	9402181-11	9402182-02	9402182-03	9402182-06	9402182-07	9402179-04
Date Sampled:	02/19/94	02/19/94	02/19/94	02/19/94	02/19/94	02/20/94
Percent Solids	86.8	91.8	91.6	91.3	83.3	90.6
VOLATILES						
Chloromethane	UG/KG	11.0 U	10.9 U	10.9 U	11.0 U	12.0 U
Bromomethane	UG/KG	11.0 U	10.9 U	10.9 U	11.0 U	12.0 U
Vinyl chloride	UG/KG	11.0 U	10.9 U	10.9 U	11.0 U	12.0 U
Chloroethane	UG/KG	11.0 U	10.9 U	10.9 U	11.0 U	12.0 U
Methylene chloride	UG/KG	11.00 U	11.00 U	14.0 U	11.00 U	12.00 U
Acetone	UG/KG	50.0	10.9 U	37.0	160.0 U	18.0
Carbon Disulfide	UG/KG	11.0 U	10.9 U	10.9 U	11.0 U	12.0 U
1,1-Dichloroethene	UG/KG	11.0 U	10.9 U	10.9 U	11.0 U	12.0 U
1,1-Dichloroethane	UG/KG	11.0 U	10.9 U	10.9 U	11.0 U	12.0 U
1,2-Dichloroethene(total)	UG/KG	11.0 U	10.9 U	10.9 U	11.0 U	12.0 U
Chloroform	UG/KG	11.0 U	10.9 U	10.9 U	11.0 U	12.0 U
1,2-Dichloroethane	UG/KG	11.0 U	10.9 U	10.9 U	11.0 U	12.0 U
2-Butanone	UG/KG	11.0 U	10.9 U	10.9 U	11.0 U	12.0 U
1,1,1-Trichloroethane	UG/KG	11.0 U	10.9 U	10.9 U	11.0 U	12.0 U
Carbon tetrachloride	UG/KG	11.0 U	10.9 U	10.9 U	11.0 U	12.0 U
Bromodichloromethane	UG/KG	11.0 U	10.9 U	10.9 U	11.0 U	12.0 U
1,2-Dichloropropane	UG/KG	11.0 U	10.9 U	10.9 U	11.0 U	12.0 U
cis-1,3-Dichloropropene	UG/KG	11.0 U	10.9 U	10.9 U	11.0 U	12.0 U
Trichloroethene	UG/KG	11.0 U	10.9 U	10.9 U	11.0 U	12.0 U
Dibromochloromethane	UG/KG	11.0 U	10.9 U	10.9 U	11.0 U	12.0 U
1,1,2-Trichloroethane	UG/KG	11.0 U	10.9 U	10.9 U	11.0 U	12.0 U
Benzene	UG/KG	11.0 U	10.9 U	10.9 U	11.0 U	12.0 U
trans-1,3-Dichloropropene	UG/KG	11.0 U	10.9 U	10.9 U	11.0 U	12.0 U
Bromoform	UG/KG	11.0 U	10.9 U	10.9 U	11.0 U	12.0 U
4-Methyl-2-pentanone	UG/KG	11.0 U	10.9 U	10.9 U	11.0 U	12.0 U
2-Hexanone	UG/KG	11.0 U	10.9 U	10.9 U	11.0 U	12.0 U
Tetrachloroethene	UG/KG	11.0 U	10.9 U	10.9 U	11.0 U	12.0 U
1,1,2,2-Tetrachloroethane	UG/KG	11.0 U	10.9 U	10.9 U	11.0 U	12.0 U
Toluene	UG/KG	11.0 U	10.9 U	10.9 U	11.0 U	12.0 U
Chlorobenzene	UG/KG	11.0 U	10.9 U	10.9 U	11.0 U	12.0 U
Ethylbenzene	UG/KG	11.0 U	10.9 U	10.9 U	11.0 U	12.0 U
Styrene	UG/KG	11.0 U	10.9 U	10.9 U	11.0 U	12.0 U
Xylenes (total)	UG/KG	11.0 U	10.9 U	10.9 U	11.0 U	12.0 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 74)
 FORMER DISPOSAL / POTENTIAL DISPOSAL / FORMER PEST CONTROL AREA SUBSURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	74-PDA-SB04-05	74-PDA-SB05-02	74-PDA-SB05-03	74-PDA-SB06-02	74-PDA-SB06-04	74-PDA-SB07-01	
Laboratory Sample ID:	9402181-11	9402182-02	9402182-03	9402182-06	9402182-07	9402179-04	
Date Sampled:	02/19/94	02/19/94	02/19/94	02/19/94	02/19/94	02/20/94	
Percent Solids	86.8	91.8	91.6	91.3	83.3	90.6	
PESTICIDE/PCBS							
alpha-BHC	UG/KG	1.95 UJ	1.85 UJ	1.85 UJ	1.87 UJ	2.05 UJ	1.81 UJ
beta-BHC	UG/KG	1.95 UJ	1.85 UJ	1.85 UJ	1.87 UJ	2.05 UJ	1.81 UJ
delta-BHC	UG/KG	1.95 UJ	1.85 UJ	1.85 UJ	1.87 UJ	2.05 UJ	1.81 UJ
Lindane (gamma-BHC)	UG/KG	1.95 UJ	1.85 UJ	1.85 UJ	1.87 UJ	2.05 U	1.81 UJ
Heptachlor	UG/KG	1.95 UJ	1.85 UJ	1.85 UJ	1.87 UJ	2.05 U	1.81 U
Aldrin	UG/KG	1.95 UJ	1.85 UJ	1.85 UJ	1.87 UJ	2.05 U	1.81 U
Heptachlor epoxide	UG/KG	1.95 UJ	1.85 UJ	1.85 UJ	1.87 UJ	2.05 U	1.81 U
Endosulfan I	UG/KG	1.95 UJ	1.85 UJ	1.85 UJ	1.87 UJ	2.05 U	1.81 U
Dieldrin	UG/KG	3.79 UJ	3.59 UJ	3.59 UJ	3.63 UJ	3.98 U	3.51 U
4,4'-DDE	UG/KG	3.79 UJ	1.38 J	3.59 UJ	2.20 J	3.98 U	3.51 U
Endrin	UG/KG	3.79 UJ	3.59 UJ	3.59 UJ	3.63 UJ	3.98 U	3.51 U
Endosulfan II	UG/KG	3.79 UJ	3.59 UJ	3.59 UJ	3.63 UJ	3.98 U	3.51 U
4,4'-DDD	UG/KG	0.720 J	0.590 J	3.59 UJ	3.63 UJ	3.61 J	3.51 UJ
Endosulfan sulfate	UG/KG	3.79 UJ	3.59 UJ	3.59 UJ	3.63 UJ	3.98 U	3.51 U
4,4'-DDT	UG/KG	0.340 NJ	1.66 J	0.860 J	21.4 J	3.98 UJ	3.51 UJ
Methoxychlor	UG/KG	19.5 UJ	18.5 UJ	18.5 UJ	18.7 UJ	20.5 U	18.1 U
Endrin ketone	UG/KG	3.79 UJ	3.59 UJ	3.59 UJ	3.63 UJ	3.98 U	3.51 U
Endrin aldehyde	UG/KG	3.79 UJ	3.59 UJ	3.59 UJ	3.63 UJ	3.98 U	3.51 U
alpha-Chlordane	UG/KG	1.95 UJ	1.85 UJ	1.85 UJ	1.87 UJ	2.05 U	1.81 U
gamma-Chlordane	UG/KG	1.95 UJ	1.85 UJ	1.85 UJ	1.87 UJ	2.05 U	1.81 U
Toxaphene	UG/KG	195.0 UJ	185.0 UJ	185.0 UJ	187.0 UJ	205.0 U	181.0 U
Aroclor 1016	UG/KG	37.9 UJ	35.9 UJ	35.9 UJ	36.3 UJ	39.8 U	35.1 U
Aroclor 1221	UG/KG	77.0 UJ	72.8 UJ	72.8 UJ	73.6 UJ	80.7 U	71.3 U
Aroclor 1232	UG/KG	37.9 UJ	35.9 UJ	35.9 UJ	36.3 UJ	39.8 U	35.1 U
Aroclor 1242	UG/KG	37.9 UJ	35.9 UJ	35.9 UJ	36.3 UJ	39.8 U	35.1 U
Aroclor 1248	UG/KG	37.9 UJ	35.9 UJ	35.9 UJ	36.3 UJ	39.8 U	35.1 U
Aroclor 1254	UG/KG	37.9 UJ	35.9 UJ	35.9 UJ	36.3 UJ	39.8 U	35.1 U
Aroclor 1260	UG/KG	37.9 UJ	35.9 UJ	35.9 UJ	36.3 UJ	39.8 U	35.1 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 74)
 FORMER DISPOSAL / POTENTIAL DISPOSAL / FORMER PEST CONTROL AREA SUBSURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	74-PDA-SB07-05	74-PDA-SB08-02	74-PDA-SB08-04	74-PDA-SB09-03	74-PDA-SB09-06	74-PDA-SB10-04
Laboratory Sample ID:	9402179-05	9402182-09	9402182-10	9402179-07	9402179-08	9402179-10
Date Sampled:	02/20/94	02/19/94	02/19/94	02/20/94	02/20/94	02/20/94
Percent Solids	91.4	94.6	89.0	95.5	87.9	91.4
SEMIVOLATILES						
1,2-Dichlorobenzene	UG/KG	730.0 U	700.0 U	750.0 U	690.0 U	730.0 U
1,2,4-Trichlorobenzene	UG/KG	730.0 U	700.0 U	750.0 U	690.0 U	730.0 U
1,3-Dichlorobenzene	UG/KG	730.0 U	700.0 U	750.0 U	690.0 U	730.0 U
1,4-Dichlorobenzene	UG/KG	730.0 U	700.0 U	750.0 U	690.0 U	730.0 U
2-Chloronaphthalene	UG/KG	730.0 U	700.0 U	750.0 U	690.0 U	730.0 U
2-Chlorophenol	UG/KG	730.0 U	700.0 U	750.0 U	690.0 U	730.0 U
2-Methylnaphthalene	UG/KG	730.0 U	700.0 U	750.0 U	690.0 U	730.0 U
2-Methylphenol	UG/KG	730.0 U	700.0 U	750.0 U	690.0 U	730.0 U
2-Nitroaniline	UG/KG	1800.0 U	1800.0 U	1900.0 U	1700.0 U	1800.0 U
2-Nitrophenol	UG/KG	730.0 U	700.0 U	750.0 U	690.0 U	730.0 U
2,2'-oxybis-(1-chloropropane)	UG/KG	730.0 U	700.0 U	750.0 U	690.0 U	730.0 R
2,4-Dichlorophenol	UG/KG	730.0 U	700.0 U	750.0 U	690.0 U	730.0 U
2,4-Dimethylphenol	UG/KG	730.0 U	700.0 U	750.0 U	690.0 U	730.0 U
2,4-Dinitrophenol	UG/KG	1800.0 U	1800.0 U	1900.0 UJ	1700.0 U	1800.0 UJ
2,4-Dinitrotoluene	UG/KG	730.0 U	700.0 U	750.0 U	690.0 U	730.0 U
2,4,5-Trichlorophenol	UG/KG	1800.0 U	1800.0 U	1900.0 U	1700.0 U	1800.0 U
2,4,6-Trichlorophenol	UG/KG	730.0 U	700.0 U	750.0 U	690.0 U	730.0 U
2,6-Dinitrotoluene	UG/KG	730.0 U	700.0 U	750.0 U	690.0 U	730.0 U
3-Nitroaniline	UG/KG	1800.0 U	1800.0 U	1900.0 U	1700.0 U	1800.0 U
3,3'-Dichlorobenzidine	UG/KG	730.0 U	700.0 U	750.0 U	690.0 U	730.0 U
4-Bromophenyl-phenylether	UG/KG	730.0 U	700.0 U	750.0 U	690.0 U	730.0 U
4-Chloro-3-methylphenol	UG/KG	730.0 U	700.0 U	750.0 U	690.0 U	730.0 U
4-Chloroaniline	UG/KG	730.0 U	700.0 U	750.0 U	690.0 U	730.0 U
4-Chlorophenyl phenyl ether	UG/KG	730.0 U	700.0 U	750.0 U	690.0 U	730.0 U
4-Methylphenol	UG/KG	730.0 U	700.0 U	750.0 U	690.0 U	730.0 U
4-Nitroaniline	UG/KG	1800.0 U	1800.0 U	1900.0 U	1700.0 U	1800.0 U
4-Nitrophenol	UG/KG	1800.0 U	1800.0 U	1900.0 UJ	1700.0 U	1800.0 U
4,6-Dinitro-2-methylphenol	UG/KG	1800.0 U	1800.0 U	1900.0 U	1700.0 U	1800.0 U
Acenaphthene	UG/KG	730.0 U	700.0 U	750.0 U	690.0 U	730.0 U
Acenaphthylene	UG/KG	730.0 U	700.0 U	750.0 U	690.0 U	730.0 U
Anthracene	UG/KG	730.0 U	700.0 U	750.0 U	690.0 U	730.0 U
Benzo[a]anthracene	UG/KG	730.0 U	700.0 U	750.0 U	690.0 U	730.0 U
Benzo[a]pyrene	UG/KG	730.0 U	700.0 U	750.0 U	690.0 U	730.0 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 74)
 FORMER DISPOSAL / POTENTIAL DISPOSAL / FORMER PEST CONTROL AREA SUBSURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	74-PDA-SB07-05	74-PDA-SB08-02	74-PDA-SB08-04	74-PDA-SB09-03	74-PDA-SB09-06	74-PDA-SB10-04
Laboratory Sample ID:	9402179-05	9402182-09	9402182-10	9402179-07	9402179-08	9402179-10
Date Sampled:	02/20/94	02/19/94	02/19/94	02/20/94	02/20/94	02/20/94
Percent Solids	91.4	94.6	89.0	95.5	87.9	91.4

SEMIVOLATILES Cont.

Benzo[b]fluoranthene	UG/KG	730.0 U	700.0 U	750.0 U	690.0 U	760.0 UJ	730.0 U
Benzo[g,h,i]perylene	UG/KG	730.0 U	700.0 U	750.0 U	690.0 U	760.0 UJ	730.0 U
Benzo[k]fluoranthene	UG/KG	730.0 U	700.0 U	750.0 U	690.0 U	760.0 UJ	730.0 U
bis(2-Chloroethoxy) methane	UG/KG	730.0 U	700.0 U	750.0 U	690.0 U	760.0 UJ	730.0 U
bis(2-Chloroethyl) ether	UG/KG	730.0 U	700.0 U	750.0 U	690.0 U	760.0 UJ	730.0 U
bis(2-Ethylhexyl)phthalate	UG/KG	730.0 U	700.0 U	750.0 U	690.0 U	760.0 UJ	730.0 U
Butyl benzyl phthalate	UG/KG	730.0 U	700.0 U	750.0 U	690.0 U	760.0 UJ	730.0 U
Carbazole	UG/KG	730.0 U	700.0 U	750.0 U	690.0 U	760.0 UJ	730.0 U
Chrysene	UG/KG	730.0 U	700.0 U	750.0 U	690.0 U	760.0 UJ	730.0 U
Dibenzofuran	UG/KG	730.0 U	700.0 U	750.0 U	690.0 U	760.0 UJ	730.0 U
Dibenz[a,h]anthracene	UG/KG	730.0 U	700.0 U	750.0 U	690.0 U	760.0 UJ	730.0 U
Diethylphthalate	UG/KG	730.0 U	700.0 U	750.0 U	690.0 U	760.0 UJ	730.0 U
Dimethyl phthalate	UG/KG	730.0 U	700.0 U	750.0 U	690.0 U	760.0 UJ	730.0 U
di-n-Butylphthalate	UG/KG	730.0 U	700.0 U	750.0 U	690.0 U	760.0 UJ	106.0 J
di-n-Octylphthalate	UG/KG	730.0 U	700.0 U	750.0 U	690.0 U	760.0 UJ	730.0 U
Fluoranthene	UG/KG	730.0 U	700.0 U	750.0 U	690.0 U	760.0 UJ	730.0 U
Fluorene	UG/KG	730.0 U	700.0 U	750.0 U	690.0 U	760.0 UJ	730.0 U
Hexachlorobenzene	UG/KG	730.0 U	700.0 U	750.0 U	690.0 U	760.0 UJ	730.0 U
Hexachlorobutadiene	UG/KG	730.0 U	700.0 U	750.0 U	690.0 U	760.0 UJ	730.0 U
Hexachlorocyclopentadiene	UG/KG	730.0 U	700.0 U	750.0 U	690.0 U	760.0 UJ	730.0 U
Hexachloroethane	UG/KG	730.0 U	700.0 U	750.0 U	690.0 U	760.0 UJ	730.0 U
Indeno[1,2,3-cd]pyrene	UG/KG	730.0 U	700.0 U	750.0 U	690.0 U	760.0 UJ	730.0 U
Isophorone	UG/KG	730.0 U	700.0 U	750.0 U	690.0 U	760.0 UJ	730.0 U
Naphthalene	UG/KG	730.0 U	700.0 U	750.0 U	690.0 U	760.0 UJ	730.0 U
Nitrobenzene	UG/KG	730.0 U	700.0 U	750.0 U	690.0 U	760.0 UJ	730.0 U
N-Nitroso-di-n-propylamine	UG/KG	730.0 U	700.0 U	750.0 U	690.0 U	760.0 UJ	730.0 U
N-nitrosodiphenylamine	UG/KG	730.0 U	700.0 U	750.0 U	690.0 U	760.0 UJ	730.0 U
Pentachlorophenol	UG/KG	1800.0 U	1800.0 U	1900.0 U	1700.0 U	1900.0 UJ	1800.0 U
Phenanthrene	UG/KG	730.0 U	700.0 U	750.0 U	690.0 U	760.0 UJ	730.0 U
Phenol	UG/KG	730.0 U	700.0 U	750.0 U	690.0 U	760.0 UJ	730.0 U
Pyrene	UG/KG	730.0 U	700.0 U	750.0 U	690.0 U	760.0 UJ	730.0 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 74)
 FORMER DISPOSAL / POTENTIAL DISPOSAL / FORMER PEST CONTROL AREA SUBSURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	74-PDA-SB07-05	74-PDA-SB08-02	74-PDA-SB08-04	74-PDA-SB09-03	74-PDA-SB09-06	74-PDA-SB10-04
Laboratory Sample ID:	9402179-05	9402182-09	9402182-10	9402179-07	9402179-08	9402179-10
Date Sampled:	02/20/94	02/19/94	02/19/94	02/20/94	02/20/94	02/20/94
Percent Solids	91.4	94.6	89.0	95.5	87.9	91.4
VOLATILES						
Chloromethane	UG/KG	11.0 U	10.5 U	11.2 U	10.0 U	11.0 U
Bromomethane	UG/KG	11.0 U	10.5 U	11.2 U	10.0 U	11.0 U
Vinyl chloride	UG/KG	11.0 U	10.5 U	11.2 U	10.0 U	11.0 U
Chloroethane	UG/KG	11.0 U	10.5 U	11.2 U	10.0 U	11.0 U
Methylene chloride	UG/KG	11.00 U	11.00 U	11.00 U	10.00 U	12.0 U
Acetone	UG/KG	31.0	820.0	9.00 J	8.00 J	11.0 U
Carbon Disulfide	UG/KG	11.0 U	10.5 U	11.2 U	10.0 U	11.0 U
1,1-Dichloroethene	UG/KG	11.0 U	10.5 U	11.2 U	10.0 U	11.0 U
1,1-Dichloroethane	UG/KG	11.0 U	10.5 U	11.2 U	10.0 U	11.0 U
1,2-Dichloroethene(total)	UG/KG	11.0 U	10.5 U	11.2 U	10.0 U	11.0 U
Chloroform	UG/KG	11.0 U	10.5 U	11.2 U	10.0 U	11.0 U
1,2-Dichloroethane	UG/KG	11.0 U	10.5 U	11.2 U	10.0 U	11.0 U
2-Butanone	UG/KG	11.0 U	10.5 U	11.2 U	10.0 U	11.0 U
1,1,1-Trichloroethane	UG/KG	11.0 U	10.5 U	11.2 U	10.0 U	11.0 U
Carbon tetrachloride	UG/KG	11.0 U	10.5 U	11.2 U	10.0 U	11.0 U
Bromodichloromethane	UG/KG	11.0 U	10.5 U	11.2 U	10.0 U	11.0 U
1,2-Dichloropropane	UG/KG	11.0 U	10.5 U	11.2 U	10.0 U	11.0 U
cis-1,3-Dichloropropene	UG/KG	11.0 U	10.5 U	11.2 U	10.0 U	11.0 U
Trichloroethene	UG/KG	11.0 U	10.5 U	11.2 U	10.0 U	11.0 U
Dibromochloromethane	UG/KG	11.0 U	10.5 U	11.2 U	10.0 U	11.0 U
1,1,2-Trichloroethane	UG/KG	11.0 U	10.5 U	11.2 U	10.0 U	11.0 U
Benzene	UG/KG	11.0 U	10.5 U	11.2 U	10.0 U	11.0 U
trans-1,3-Dichloropropene	UG/KG	11.0 U	10.5 U	11.2 U	10.0 U	11.0 U
Bromoform	UG/KG	11.0 U	10.5 U	11.2 U	10.0 U	11.0 U
4-Methyl-2-pentanone	UG/KG	11.0 U	10.5 U	11.2 U	10.0 U	11.0 U
2-Hexanone	UG/KG	11.0 U	10.5 U	11.2 U	10.0 U	11.0 U
Tetrachloroethene	UG/KG	11.0 U	10.5 U	11.2 U	10.0 U	11.0 U
1,1,2,2-Tetrachloroethane	UG/KG	11.0 U	10.5 U	11.2 U	10.0 U	11.0 U
Toluene	UG/KG	11.0 U	10.5 U	11.2 U	10.0 U	11.0 U
Chlorobenzene	UG/KG	11.0 U	10.5 U	11.2 U	10.0 U	11.0 U
Ethylbenzene	UG/KG	11.0 U	10.5 U	11.2 U	10.0 U	11.0 U
Styrene	UG/KG	11.0 U	10.5 U	11.2 U	10.0 U	11.0 U
Xylenes (total)	UG/KG	11.0 U	10.5 U	11.2 U	10.0 U	11.0 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 74)
 FORMER DISPOSAL / POTENTIAL DISPOSAL / FORMER PEST CONTROL AREA SUBSURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	74-PDA-SB07-05	74-PDA-SB08-02	74-PDA-SB08-04	74-PDA-SB09-03	74-PDA-SB09-06	74-PDA-SB10-04
Laboratory Sample ID:	9402179-05	9402182-09	9402182-10	9402179-07	9402179-08	9402179-10
Date Sampled:	02/20/94	02/19/94	02/19/94	02/20/94	02/20/94	02/20/94
Percent Solids	91.4	94.6	89.0	95.5	87.9	91.4
PESTICIDE/PCBS						
alpha-BHC	UG/KG	1.81 UJ	1.79 UJ	1.91 UJ	1.79 UJ	1.87 UJ
beta-BHC	UG/KG	1.81 UJ	1.79 UJ	1.91 UJ	1.79 UJ	1.87 UJ
delta-BHC	UG/KG	1.81 UJ	1.79 UJ	1.91 UJ	1.79 UJ	1.87 UJ
Lindane (gamma-BHC)	UG/KG	1.81 UJ	1.79 UJ	1.91 UJ	1.79 UJ	1.87 UJ
Heptachlor	UG/KG	1.81 UJ	1.79 U	1.91 U	1.79 U	1.87 U
Aldrin	UG/KG	1.81 UJ	1.79 U	1.91 U	1.79 U	1.87 U
Heptachlor epoxide	UG/KG	1.81 UJ	0.330 J	1.91 U	1.79 U	1.87 U
Endosulfan I	UG/KG	1.81 UJ	1.79 U	1.91 U	1.79 U	1.87 U
Dieldrin	UG/KG	3.51 UJ	3.47 U	3.71 U	3.47 U	3.63 U
4,4'-DDE	UG/KG	3.51 UJ	3.47 U	3.71 U	3.47 U	3.63 U
Endrin	UG/KG	3.51 UJ	3.47 U	3.71 U	3.47 U	3.63 U
Endosulfan II	UG/KG	3.51 UJ	3.47 U	3.71 U	3.47 U	3.63 U
4,4'-DDD	UG/KG	3.51 UJ	3.47 UJ	3.71 UJ	3.47 UJ	3.63 UJ
Endosulfan sulfate	UG/KG	3.51 UJ	3.47 U	3.71 U	3.47 U	3.63 U
4,4'-DDT	UG/KG	3.51 UJ	3.47 UJ	3.71 UJ	3.47 UJ	3.63 UJ
Methoxychlor	UG/KG	18.1 UJ	17.9 U	19.1 U	17.9 U	18.7 U
Endrin ketone	UG/KG	3.51 UJ	3.47 U	3.71 U	3.47 U	3.63 U
Endrin aldehyde	UG/KG	3.51 UJ	3.47 U	3.71 U	3.47 U	3.63 U
alpha-Chlordane	UG/KG	1.81 UJ	1.79 U	1.91 U	1.79 U	1.87 U
gamma-Chlordane	UG/KG	1.81 UJ	1.79 U	1.91 U	1.79 U	1.87 U
Toxaphene	UG/KG	181.0 UJ	179.0 U	191.0 U	179.0 U	187.0 U
Aroclor 1016	UG/KG	35.1 UJ	34.7 U	37.1 U	34.7 U	36.3 U
Aroclor 1221	UG/KG	71.3 UJ	70.5 U	75.3 U	70.5 U	73.6 U
Aroclor 1232	UG/KG	35.1 UJ	34.7 U	37.1 U	34.7 U	36.3 U
Aroclor 1242	UG/KG	35.1 UJ	34.7 U	37.1 U	34.7 U	36.3 U
Aroclor 1248	UG/KG	35.1 UJ	34.7 U	37.1 U	34.7 U	36.3 U
Aroclor 1254	UG/KG	35.1 UJ	34.7 U	37.1 U	34.7 U	36.3 U
Aroclor 1260	UG/KG	35.1 UJ	34.7 U	37.1 U	34.7 U	36.3 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 74)
 FORMER DISPOSAL / POTENTIAL DISPOSAL / FORMER PEST CONTROL AREA SUBSURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	74-PDA-SB10-08	74-FPA-SB01-03	74-FPA-SB01-07	74-FPA-SB02-03	74-FPA-SB02-06	74-FPA-SB03-03
Laboratory Sample ID:	9402179-11	9402179-13	9402179-14	9402179-16	9402179-17	9402180-03A
Date Sampled:	02/20/94	02/21/94	02/21/94	02/21/94	02/21/94	02/21/94
Percent Solids	92.7	90.1	89.6	85.5	84.8	87.3
SEMIVOLATILES						
1,2-Dichlorobenzene	UG/KG	720.0 U	740.0 U	740.0 U	780.0 U	379.0 U
1,2,4-Trichlorobenzene	UG/KG	720.0 U	740.0 U	740.0 U	780.0 U	379.0 U
1,3-Dichlorobenzene	UG/KG	720.0 U	740.0 U	740.0 U	780.0 U	379.0 U
1,4-Dichlorobenzene	UG/KG	720.0 U	740.0 U	740.0 U	780.0 U	379.0 U
2-Chloronaphthalene	UG/KG	720.0 U	740.0 U	740.0 U	780.0 U	379.0 U
2-Chlorophenol	UG/KG	720.0 U	740.0 U	740.0 U	780.0 U	379.0 U
2-Methylnaphthalene	UG/KG	720.0 U	740.0 U	740.0 U	780.0 U	379.0 U
2-Methylphenol	UG/KG	720.0 U	740.0 U	740.0 U	780.0 U	379.0 U
2-Nitroaniline	UG/KG	1800.0 U	1900.0 U	1900.0 U	2000.0 U	920.0 U
2-Nitrophenol	UG/KG	720.0 U	740.0 U	740.0 U	780.0 U	379.0 U
2,2'-oxybis-(1-chloropropane)	UG/KG	720.0 UJ	740.0 U	740.0 U	780.0 U	379.0 R
2,4-Dichlorophenol	UG/KG	720.0 U	740.0 U	740.0 U	780.0 U	379.0 U
2,4-Dimethylphenol	UG/KG	720.0 U	740.0 U	740.0 U	780.0 U	379.0 U
2,4-Dinitrophenol	UG/KG	1800.0 UJ	1900.0 U	1900.0 U	2000.0 U	920.0 U
2,4-Dinitrotoluene	UG/KG	720.0 U	740.0 U	740.0 U	780.0 U	379.0 U
2,4,5-Trichlorophenol	UG/KG	1800.0 U	1900.0 U	1900.0 U	2000.0 U	920.0 U
2,4,6-Trichlorophenol	UG/KG	720.0 U	740.0 U	740.0 U	780.0 U	379.0 U
2,6-Dinitrotoluene	UG/KG	720.0 U	740.0 U	740.0 U	780.0 U	379.0 U
3-Nitroaniline	UG/KG	1800.0 U	1900.0 U	1900.0 U	2000.0 U	920.0 U
3,3'-Dichlorobenzidine	UG/KG	720.0 U	740.0 U	740.0 U	780.0 U	379.0 U
4-Bromophenyl-phenylether	UG/KG	720.0 U	740.0 U	740.0 U	780.0 U	379.0 U
4-Chloro-3-methylphenol	UG/KG	720.0 U	740.0 U	740.0 U	780.0 U	379.0 U
4-Chloroaniline	UG/KG	720.0 U	740.0 U	740.0 U	780.0 U	379.0 U
4-Chlorophenyl phenyl ether	UG/KG	720.0 U	740.0 U	740.0 U	780.0 U	379.0 U
4-Methylphenol	UG/KG	720.0 U	740.0 U	740.0 U	780.0 U	379.0 U
4-Nitroaniline	UG/KG	1800.0 U	1900.0 U	1900.0 U	2000.0 U	920.0 U
4-Nitrophenol	UG/KG	1800.0 UJ	1900.0 U	1900.0 U	2000.0 U	920.0 U
4,6-Dinitro-2-methylphenol	UG/KG	1800.0 U	1900.0 U	1900.0 U	2000.0 U	920.0 U
Acenaphthene	UG/KG	720.0 U	740.0 U	740.0 U	780.0 U	379.0 U
Acenaphthylene	UG/KG	720.0 U	740.0 U	740.0 U	780.0 U	379.0 U
Anthracene	UG/KG	720.0 U	740.0 U	740.0 U	780.0 U	379.0 U
Benzo[a]anthracene	UG/KG	720.0 U	740.0 U	740.0 U	780.0 U	379.0 U
Benzo[a]pyrene	UG/KG	720.0 U	740.0 U	740.0 U	780.0 U	379.0 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 74)
 FORMER DISPOSAL / POTENTIAL DISPOSAL / FORMER PEST CONTROL AREA SUBSURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	74-PDA-SB10-08	74-FPA-SB01-03	74-FPA-SB01-07	74-FPA-SB02-03	74-FPA-SB02-06	74-FPA-SB03-03
Laboratory Sample ID:	9402179-11	9402179-13	9402179-14	9402179-16	9402179-17	9402180-03A
Date Sampled:	02/20/94	02/21/94	02/21/94	02/21/94	02/21/94	02/21/94
Percent Solids	92.7	90.1	89.6	85.5	84.8	87.3

SEMIVOLATILES Cont.

Benzo[b]fluoranthene	UG/KG	720.0 U	740.0 U	740.0 U	780.0 U	780.0 U	379.0 U
Benzo[g,h,i]perylene	UG/KG	720.0 U	740.0 U	740.0 U	780.0 U	780.0 U	379.0 U
Benzo[k]fluoranthene	UG/KG	720.0 U	740.0 U	740.0 U	780.0 U	780.0 U	379.0 U
bis(2-Chloroethoxy) methane	UG/KG	720.0 U	740.0 U	740.0 U	780.0 U	780.0 U	379.0 U
bis(2-Chloroethyl) ether	UG/KG	720.0 U	740.0 U	740.0 U	780.0 U	780.0 U	379.0 U
bis(2-Ethylhexyl)phthalate	UG/KG	720.0 U	740.0 U	740.0 U	780.0 U	780.0 U	379.0 U
Butyl benzyl phthalate	UG/KG	720.0 U	740.0 U	740.0 U	780.0 U	780.0 U	379.0 U
Carbazole	UG/KG	720.0 U	740.0 U	740.0 U	780.0 U	780.0 U	379.0 U
Chrysene	UG/KG	720.0 U	740.0 U	740.0 U	780.0 U	780.0 U	379.0 U
Dibenzofuran	UG/KG	720.0 U	740.0 U	740.0 U	780.0 U	780.0 U	379.0 U
Dibenz[a,h]anthracene	UG/KG	720.0 U	740.0 U	740.0 U	780.0 U	780.0 U	379.0 U
Diethylphthalate	UG/KG	720.0 U	740.0 U	740.0 U	780.0 U	780.0 U	379.0 U
Dimethyl phthalate	UG/KG	720.0 U	740.0 U	740.0 U	780.0 U	780.0 U	379.0 U
di-n-Butylphthalate	UG/KG	720.0 U	110.0 J	740.0 U	155.0 J	150.0 J	379.0 U
di-n-Octylphthalate	UG/KG	720.0 U	740.0 U	740.0 U	780.0 U	780.0 U	379.0 U
Fluoranthene	UG/KG	720.0 U	740.0 U	740.0 U	780.0 U	780.0 U	379.0 U
Fluorene	UG/KG	720.0 U	740.0 U	740.0 U	780.0 U	780.0 U	379.0 U
Hexachlorobenzene	UG/KG	720.0 U	740.0 U	740.0 U	780.0 U	780.0 U	379.0 U
Hexachlorobutadiene	UG/KG	720.0 U	740.0 U	740.0 U	780.0 U	780.0 U	379.0 U
Hexachlorocyclopentadiene	UG/KG	720.0 U	740.0 U	740.0 U	780.0 U	780.0 U	379.0 U
Hexachloroethane	UG/KG	720.0 U	740.0 U	740.0 U	780.0 U	780.0 U	379.0 U
Indeno[1,2,3-cd]pyrene	UG/KG	720.0 U	740.0 U	740.0 U	780.0 U	780.0 U	379.0 U
Isophorone	UG/KG	720.0 U	740.0 U	740.0 U	780.0 U	780.0 U	379.0 U
Naphthalene	UG/KG	720.0 U	740.0 U	740.0 U	780.0 U	780.0 U	379.0 U
Nitrobenzene	UG/KG	720.0 U	740.0 U	740.0 U	780.0 U	780.0 U	379.0 U
N-Nitroso-di-n-propylamine	UG/KG	720.0 U	740.0 U	740.0 U	780.0 U	780.0 U	379.0 U
N-nitrosodiphenylamine	UG/KG	720.0 U	740.0 U	740.0 U	780.0 U	780.0 U	379.0 U
Pentachlorophenol	UG/KG	1800.0 U	1900.0 U	1900.0 U	2000.0 U	2000.0 U	920.0 U
Phenanthrene	UG/KG	720.0 U	740.0 U	740.0 U	780.0 U	780.0 U	379.0 U
Phenol	UG/KG	720.0 U	740.0 U	740.0 U	780.0 U	780.0 U	379.0 U
Pyrene	UG/KG	720.0 U	740.0 U	740.0 U	780.0 U	780.0 U	379.0 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 74)
 FORMER DISPOSAL / POTENTIAL DISPOSAL / FORMER PEST CONTROL AREA SUBSURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	74-PDA-SB10-08	74-FPA-SB01-03	74-FPA-SB01-07	74-FPA-SB02-03	74-FPA-SB02-06	74-FPA-SB03-03
Laboratory Sample ID:	9402179-11	9402179-13	9402179-14	9402179-16	9402179-17	9402180-03A
Date Sampled:	02/20/94	02/21/94	02/21/94	02/21/94	02/21/94	02/21/94
Percent Solids	92.7	90.1	89.6	85.5	84.8	87.3
<u>VOLATILES</u>						
Chloromethane	UG/KG	11.0 U	11.0 U	11.0 U	12.0 U	11.0 U
Bromomethane	UG/KG	11.0 U	11.0 U	11.0 U	12.0 U	11.0 U
Vinyl chloride	UG/KG	11.0 U	11.0 U	11.0 U	12.0 U	11.0 U
Chloroethane	UG/KG	11.0 U	11.0 U	11.0 U	12.0 U	11.0 U
Methylene chloride	UG/KG	11.00 U	11.00 U	11.00 U	15.0 U	11.00 U
Acetone	UG/KG	43.0	10.8 J	11.0 U	44.0 J	220.0 J
Carbon Disulfide	UG/KG	11.0 U	11.0 U	11.0 U	12.0 U	11.0 U
1,1-Dichloroethene	UG/KG	11.0 U	11.0 U	11.0 U	12.0 U	11.0 U
1,1-Dichloroethane	UG/KG	11.0 U	11.0 U	11.0 U	12.0 U	11.0 U
1,2-Dichloroethene(total)	UG/KG	11.0 U	11.0 U	11.0 U	12.0 U	11.0 U
Chloroform	UG/KG	11.0 U	11.0 U	11.0 U	12.0 U	11.0 U
1,2-Dichloroethane	UG/KG	11.0 U	11.0 U	11.0 U	12.0 U	11.0 U
2-Butanone	UG/KG	11.0 U	11.0 U	11.0 U	12.0 U	11.0 R
1,1,1-Trichloroethane	UG/KG	11.0 U	11.0 U	11.0 U	12.0 U	11.0 U
Carbon tetrachloride	UG/KG	11.0 U	11.0 U	11.0 U	12.0 U	11.0 U
Bromodichloromethane	UG/KG	11.0 U	11.0 U	11.0 U	12.0 U	11.0 U
1,2-Dichloropropane	UG/KG	11.0 U	11.0 U	11.0 U	12.0 U	11.0 U
cis-1,3-Dichloropropene	UG/KG	11.0 U	11.0 U	11.0 U	12.0 U	11.0 U
Trichloroethene	UG/KG	11.0 U	11.0 U	11.0 U	12.0 U	11.0 U
Dibromochloromethane	UG/KG	11.0 U	11.0 U	11.0 U	12.0 U	11.0 U
1,1,2-Trichloroethane	UG/KG	11.0 U	11.0 U	11.0 U	12.0 U	11.0 U
Benzene	UG/KG	11.0 U	11.0 U	11.0 U	12.0 U	11.0 U
trans-1,3-Dichloropropene	UG/KG	11.0 U	11.0 U	11.0 U	12.0 U	11.0 U
Bromoform	UG/KG	11.0 U	11.0 U	11.0 U	12.0 U	11.0 U
4-Methyl-2-pentanone	UG/KG	11.0 U	11.0 U	11.0 U	12.0 U	11.0 U
2-Hexanone	UG/KG	11.0 U	11.0 U	11.0 U	12.0 U	11.0 U
Tetrachloroethene	UG/KG	11.0 U	11.0 U	11.0 U	12.0 U	11.0 U
1,1,2,2-Tetrachloroethane	UG/KG	11.0 U	11.0 U	11.0 U	12.0 U	11.0 U
Toluene	UG/KG	11.0 U	11.0 U	11.0 U	12.0 U	11.0 U
Chlorobenzene	UG/KG	11.0 U	11.0 U	11.0 U	12.0 U	11.0 U
Ethylbenzene	UG/KG	11.0 U	11.0 U	11.0 U	12.0 U	11.0 U
Styrene	UG/KG	11.0 U	11.0 U	11.0 U	12.0 U	11.0 U
Xylenes (total)	UG/KG	11.0 U	11.0 U	11.0 U	12.0 U	11.0 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 74)
 FORMER DISPOSAL / POTENTIAL DISPOSAL / FORMER PEST CONTROL AREA SUBSURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	74-PDA-SB10-08	74-FPA-SB01-03	74-FPA-SB01-07	74-FPA-SB02-03	74-FPA-SB02-06	74-FPA-SB03-03
Laboratory Sample ID:	9402179-11	9402179-13	9402179-14	9402179-16	9402179-17	9402180-03A
Date Sampled:	02/20/94	02/21/94	02/21/94	02/21/94	02/21/94	02/21/94
Percent Solids	92.7	90.1	89.6	85.5	84.8	87.3
PESTICIDE/PCBS						
alpha-BHC	UG/KG	1.83 UJ	1.89 UJ	1.89 UJ	2.00 UJ	1.95 UJ
beta-BHC	UG/KG	1.83 UJ	1.89 UJ	1.89 UJ	2.00 UJ	1.95 UJ
delta-BHC	UG/KG	1.83 UJ	1.89 UJ	1.89 UJ	2.00 UJ	1.95 UJ
Lindane (gamma-BHC)	UG/KG	1.83 UJ	1.89 UJ	1.89 UJ	2.00 UJ	1.95 UJ
Heptachlor	UG/KG	1.83 U	1.89 UJ	1.89 U	2.00 U	0.240 J
Aldrin	UG/KG	1.83 U	1.89 UJ	1.89 U	2.00 U	1.95 U
Heptachlor epoxide	UG/KG	1.83 U	1.89 UJ	1.89 U	2.00 U	1.95 U
Endosulfan I	UG/KG	1.83 U	1.89 UJ	1.89 U	2.00 U	1.95 U
Dieldrin	UG/KG	3.55 U	3.67 UJ	3.67 U	3.88 U	3.79 U
4,4'-DDE	UG/KG	3.55 U	3.67 UJ	3.67 U	3.88 U	21.3 J
Endrin	UG/KG	3.55 U	3.67 UJ	3.67 U	3.88 U	3.79 U
Endosulfan II	UG/KG	3.55 U	3.67 UJ	3.67 U	3.88 U	3.79 U
4,4'-DDD	UG/KG	3.55 UJ	3.67 UJ	3.67 UJ	3.88 UJ	1.85 NJ
Endosulfan sulfate	UG/KG	3.55 U	3.67 UJ	3.67 U	3.88 U	3.79 U
4,4'-DDT	UG/KG	3.55 UJ	3.67 UJ	3.67 UJ	1.44 J	0.460 NJ
Methoxychlor	UG/KG	18.3 U	7.06 J	18.9 U	20.0 U	19.5 U
Endrin ketone	UG/KG	3.55 U	3.67 UJ	3.67 U	3.88 U	3.79 U
Endrin aldehyde	UG/KG	3.55 U	3.67 UJ	3.67 U	3.88 U	3.79 U
alpha-Chlordane	UG/KG	1.83 U	1.89 UJ	1.89 U	2.00 U	1.95 U
gamma-Chlordane	UG/KG	1.83 U	1.89 UJ	1.89 U	2.00 U	1.95 U
Toxaphene	UG/KG	183.0 U	189.0 UJ	189.0 U	200.0 U	195.0 U
Aroclor 1016	UG/KG	35.5 U	36.7 UJ	36.7 U	38.8 U	37.9 U
Aroclor 1221	UG/KG	72.0 U	74.4 UJ	74.4 U	78.8 U	77.0 U
Aroclor 1232	UG/KG	35.5 U	36.7 UJ	36.7 U	38.8 U	37.9 U
Aroclor 1242	UG/KG	35.5 U	36.7 UJ	36.7 U	38.8 U	37.9 U
Aroclor 1248	UG/KG	35.5 U	36.7 UJ	36.7 U	38.8 U	37.9 U
Aroclor 1254	UG/KG	35.5 U	36.7 UJ	36.7 U	38.8 U	37.9 U
Aroclor 1260	UG/KG	35.5 U	36.7 UJ	36.7 U	38.8 U	37.9 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 74)
 FORMER DISPOSAL / POTENTIAL DISPOSAL / FORMER PEST CONTROL AREA SUBSURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	74-FPA-SB03-06	74-FPA-SB04-04	74-FPA-SB04-08	74-FPA-SB05-03	74-FPA-SB05-06	74-FPA-SB06-03
Laboratory Sample ID:	9402180-04A	9402179-19	9402180-01A	9402180-06A	9402180-07A	9402180-10A
Date Sampled:	34386	02/21/94	02/21/94	02/20/94	02/21/94	02/20/94
Percent Solids	83	94.5	88.8	95.4	87.9	86.5

SEMIVOLATILES

1,2-Dichlorobenzene	UG/KG	398 U	710.0 U	371.0 U	347.0 U	375.0 U	379.0 U
1,2,4-Trichlorobenzene	UG/KG	398 U	710.0 U	371.0 U	347.0 U	375.0 U	379.0 U
1,3-Dichlorobenzene	UG/KG	398 U	710.0 U	371.0 U	347.0 U	375.0 U	379.0 U
1,4-Dichlorobenzene	UG/KG	398 U	710.0 U	371.0 U	347.0 U	375.0 U	379.0 U
2-Chloronaphthalene	UG/KG	398 U	710.0 U	371.0 U	347.0 U	375.0 U	379.0 U
2-Chlorophenol	UG/KG	398 U	710.0 U	371.0 U	347.0 U	375.0 U	379.0 U
2-Methylnaphthalene	UG/KG	398 U	710.0 U	371.0 U	347.0 U	375.0 U	379.0 U
2-Methylphenol	UG/KG	398 U	710.0 U	371.0 U	347.0 U	375.0 U	379.0 U
2-Nitroaniline	UG/KG	964 U	1800.0 U	899.0 U	842.0 U	909.0 U	920.0 U
2-Nitrophenol	UG/KG	398 U	710.0 U	371.0 U	347.0 U	375.0 U	379.0 U
2,2'-oxybis-(1-chloropropane)	UG/KG	398 R	710.0 R	371.0 R	347.0 U	375.0 U	379.0 U
2,4-Dichlorophenol	UG/KG	398 U	710.0 U	371.0 U	347.0 U	375.0 U	379.0 U
2,4-Dimethylphenol	UG/KG	398 U	710.0 U	371.0 U	347.0 U	375.0 U	379.0 U
2,4-Dinitrophenol	UG/KG	964 U	1800.0 U	899.0 U	842.0 U	909.0 U	920.0 U
2,4-Dinitrotoluene	UG/KG	398 U	710.0 U	371.0 U	347.0 U	375.0 U	379.0 U
2,4,5-Trichlorophenol	UG/KG	964 U	1800.0 U	899.0 U	842.0 U	909.0 U	920.0 U
2,4,6-Trichlorophenol	UG/KG	398 U	710.0 U	371.0 U	347.0 U	375.0 U	379.0 U
2,6-Dinitrotoluene	UG/KG	398 U	710.0 U	371.0 U	347.0 U	375.0 U	379.0 U
3-Nitroaniline	UG/KG	964 U	1800.0 U	899.0 U	842.0 U	909.0 U	920.0 U
3,3'-Dichlorobenzidine	UG/KG	398 U	710.0 U	371.0 U	347.0 U	375.0 U	379.0 U
4-Bromophenyl-phenylether	UG/KG	398 U	710.0 U	371.0 U	347.0 U	375.0 U	379.0 U
4-Chloro-3-methylphenol	UG/KG	398 U	710.0 U	371.0 U	347.0 U	375.0 U	379.0 U
4-Chloroaniline	UG/KG	398 U	710.0 U	371.0 U	347.0 U	375.0 U	379.0 U
4-Chlorophenyl phenyl ether	UG/KG	398 U	710.0 U	371.0 U	347.0 U	375.0 U	379.0 U
4-Methylphenol	UG/KG	398 U	710.0 U	371.0 U	347.0 U	375.0 U	379.0 U
4-Nitroaniline	UG/KG	964 U	1800.0 U	899.0 U	842.0 U	909.0 U	920.0 U
4-Nitrophenol	UG/KG	964 U	1800.0 U	899.0 U	842.0 U	909.0 U	920.0 U
4,6-Dinitro-2-methylphenol	UG/KG	964 U	1800.0 U	899.0 U	842.0 U	909.0 U	920.0 U
Acenaphthene	UG/KG	398 U	710.0 U	371.0 U	347.0 U	375.0 U	379.0 U
Acenaphthylene	UG/KG	398 U	710.0 U	371.0 U	347.0 U	375.0 U	379.0 U
Anthracene	UG/KG	398 U	710.0 U	371.0 U	347.0 U	375.0 U	379.0 U
Benzo[a]anthracene	UG/KG	398 U	710.0 U	371.0 U	347.0 U	375.0 U	379.0 U
Benzo[a]pyrene	UG/KG	398 U	710.0 U	371.0 U	347.0 U	375.0 U	379.0 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 74)
 FORMER DISPOSAL / POTENTIAL DISPOSAL / FORMER PEST CONTROL AREA SUBSURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	74-FPA-SB03-06	74-FPA-SB04-04	74-FPA-SB04-08	74-FPA-SB05-03	74-FPA-SB05-06	74-FPA-SB06-03
Laboratory Sample ID:	9402180-04A	9402179-19	9402180-01A	9402180-06A	9402180-07A	9402180-10A
Date Sampled:	34386	02/21/94	02/21/94	02/20/94	02/21/94	02/20/94
Percent Solids	83	94.5	88.8	95.4	87.9	86.5

<u>SEMIVOLATILES Cont.</u>						
Benzo[b]fluoranthene	UG/KG	398 U	710.0 U	371.0 U	347.0 U	375.0 U
Benzo[g,h,i]perylene	UG/KG	398 U	710.0 U	371.0 U	347.0 U	375.0 U
Benzo[k]fluoranthene	UG/KG	398 U	710.0 U	371.0 U	347.0 U	375.0 U
bis(2-Chloroethoxy) methane	UG/KG	398 U	710.0 U	371.0 U	347.0 U	375.0 U
bis(2-Chloroethyl) ether	UG/KG	398 U	710.0 U	371.0 U	347.0 U	375.0 U
bis(2-Ethylhexyl)phthalate	UG/KG	398 U	710.0 U	51.0 J	347.0 U	375.0 U
Butyl benzyl phthalate	UG/KG	398 U	710.0 U	371.0 U	347.0 U	375.0 U
Carbazole	UG/KG	398 U	710.0 U	371.0 U	347.0 U	375.0 U
Chrysene	UG/KG	398 U	710.0 U	371.0 U	347.0 U	375.0 U
Dibenzofuran	UG/KG	398 U	710.0 U	371.0 U	347.0 U	375.0 U
Dibenz[a,h]anthracene	UG/KG	398 U	710.0 U	371.0 U	347.0 U	375.0 U
Diethylphthalate	UG/KG	398 U	710.0 U	371.0 U	347.0 U	375.0 U
Dimethyl phthalate	UG/KG	398 U	710.0 U	371.0 U	347.0 U	375.0 U
di-n-Butylphthalate	UG/KG	398 U	145.0 J	371.0 U	347.0 U	375.0 U
di-n-Octylphthalate	UG/KG	398 U	710.0 U	371.0 U	347.0 U	375.0 U
Fluoranthene	UG/KG	398 U	710.0 U	371.0 U	347.0 U	375.0 U
Fluorene	UG/KG	398 U	710.0 U	371.0 U	347.0 U	375.0 U
Hexachlorobenzene	UG/KG	398 U	710.0 U	371.0 U	347.0 U	375.0 U
Hexachlorobutadiene	UG/KG	398 U	710.0 U	371.0 U	347.0 U	375.0 U
Hexachlorocyclopentadiene	UG/KG	398 U	710.0 U	371.0 U	347.0 U	375.0 U
Hexachloroethane	UG/KG	398 U	710.0 U	371.0 U	347.0 U	375.0 U
Indeno[1,2,3-cd]pyrene	UG/KG	398 U	710.0 U	371.0 U	347.0 U	375.0 U
Isophorone	UG/KG	398 U	710.0 U	371.0 U	347.0 U	375.0 U
Naphthalene	UG/KG	398 U	710.0 U	371.0 U	347.0 U	375.0 U
Nitrobenzene	UG/KG	398 U	710.0 U	371.0 U	347.0 U	375.0 U
N-Nitroso-di-n-propylamine	UG/KG	398 U	710.0 U	371.0 U	347.0 U	375.0 U
N-nitrosodiphenylamine	UG/KG	398 U	710.0 U	371.0 U	347.0 U	375.0 U
Pentachlorophenol	UG/KG	964 U	1800.0 U	899.0 U	842.0 U	909.0 U
Phenanthrene	UG/KG	398 U	710.0 U	371.0 U	347.0 U	375.0 U
Phenol	UG/KG	398 U	710.0 U	371.0 U	347.0 U	375.0 U
Pyrene	UG/KG	398 U	710.0 U	371.0 U	347.0 U	375.0 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 74)
 FORMER DISPOSAL / POTENTIAL DISPOSAL / FORMER PEST CONTROL AREA SUBSURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	74-FPA-SB03-06	74-FPA-SB04-04	74-FPA-SB04-08	74-FPA-SB05-03	74-FPA-SB05-06	74-FPA-SB06-03
Laboratory Sample ID:	9402180-04A	9402179-19	9402180-01A	9402180-06A	9402180-07A	9402180-10A
Date Sampled:	34386	02/21/94	02/21/94	02/20/94	02/21/94	02/20/94
Percent Solids	83	94.5	88.8	95.4	87.9	86.5
VOLATILES						
Chloromethane	UG/KG	12 U	11.0 U	11.0 U	11.0 U	12.0 U
Bromomethane	UG/KG	12 U	11.0 U	11.0 U	11.0 U	12.0 U
Vinyl chloride	UG/KG	12 U	11.0 U	11.0 U	11.0 U	12.0 U
Chloroethane	UG/KG	12 U	11.0 U	11.0 U	11.0 U	12.0 U
Methylene chloride	UG/KG	12 U	190.0	11.0 U	11.0 U	12.00 U
Acetone	UG/KG	12 U	91.0 J	30.0 J	50.0 J	82.0 J
Carbon Disulfide	UG/KG	12 U	11.0 U	11.0 U	11.0 U	12.0 U
1,1-Dichloroethene	UG/KG	12 U	11.0 U	11.0 U	11.0 U	12.0 U
1,1-Dichloroethane	UG/KG	12 U	11.0 U	11.0 U	11.0 U	12.0 U
1,2-Dichloroethene(total)	UG/KG	12 U	11.0 U	11.0 U	11.0 U	12.0 U
Chloroform	UG/KG	12 U	11.0 U	11.0 U	11.0 U	12.0 U
1,2-Dichloroethane	UG/KG	12 U	11.0 U	11.0 U	11.0 U	12.0 U
2-Butanone	UG/KG	12 U	11.0 R	11.0 R	11.0 R	12.0 U
1,1,1-Trichloroethane	UG/KG	12 U	11.0 U	11.0 U	11.0 U	12.0 U
Carbon tetrachloride	UG/KG	12 U	11.0 U	11.0 U	11.0 U	12.0 U
Bromodichloromethane	UG/KG	12 U	11.0 U	11.0 U	11.0 U	12.0 U
1,2-Dichloropropane	UG/KG	12 U	11.0 U	11.0 U	11.0 U	12.0 U
cis-1,3-Dichloropropene	UG/KG	12 U	11.0 U	11.0 U	11.0 U	12.0 U
Trichloroethene	UG/KG	12 U	11.0 U	11.0 U	11.0 U	12.0 U
Dibromochloromethane	UG/KG	12 U	11.0 U	11.0 U	11.0 U	12.0 U
1,1,2-Trichloroethane	UG/KG	12 U	11.0 U	11.0 U	11.0 U	12.0 U
Benzene	UG/KG	12 U	11.0 U	11.0 U	11.0 U	12.0 U
trans-1,3-Dichloropropene	UG/KG	12 U	11.0 U	11.0 U	11.0 U	12.0 U
Bromoform	UG/KG	12 U	11.0 U	11.0 U	11.0 U	12.0 U
4-Methyl-2-pentanone	UG/KG	12 U	11.0 U	11.0 U	11.0 U	12.0 U
2-Hexanone	UG/KG	12 U	11.0 U	11.0 U	11.0 U	12.0 U
Tetrachloroethene	UG/KG	12 U	11.0 U	11.0 U	11.0 U	12.0 U
1,1,2,2-Tetrachloroethane	UG/KG	12 U	11.0 U	11.0 U	11.0 U	12.0 U
Toluene	UG/KG	12 U	11.0 U	11.0 U	11.0 U	12.0 U
Chlorobenzene	UG/KG	12 U	11.0 U	11.0 U	11.0 U	12.0 U
Ethylbenzene	UG/KG	12 U	11.0 U	11.0 U	11.0 U	12.0 U
Styrene	UG/KG	12 U	11.0 U	11.0 U	11.0 U	12.0 U
Xylenes (total)	UG/KG	12 U	11.0 U	11.0 U	11.0 U	12.0 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 74)
 FORMER DISPOSAL / POTENTIAL DISPOSAL / FORMER PEST CONTROL AREA SUBSURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	74-FPA-SB03-06	74-FPA-SB04-04	74-FPA-SB04-08	74-FPA-SB05-03	74-FPA-SB05-06	74-FPA-SB06-03
Laboratory Sample ID:	9402180-04A	9402179-19	9402180-01A	9402180-06A	9402180-07A	9402180-10A
Date Sampled:	34386	02/21/94	02/21/94	02/20/94	02/21/94	02/20/94
Percent Solids	83	94.5	88.8	95.4	87.9	86.5
PESTICIDE/PCBS						
alpha-BHC	UG/KG	2.05 U	1.81 UJ	1.91 UJ	1.79 UJ	1.93 UJ
beta-BHC	UG/KG	2.05 U	1.81 UJ	1.91 U	1.79 U	1.93 UJ
delta-BHC	UG/KG	2.05 U	1.81 UJ	1.91 U	1.79 U	1.93 UJ
Lindane (gamma-BHC)	UG/KG	2.05 U	1.81 UJ	1.91 UJ	1.79 UJ	1.93 UJ
Heptachlor	UG/KG	2.05 U	1.81 U	1.91 U	1.79 U	1.93 U
Aldrin	UG/KG	2.05 U	1.81 U	1.91 U	1.79 U	1.93 U
Heptachlor epoxide	UG/KG	2.05 U	1.81 U	1.91 U	1.79 U	1.93 U
Endosulfan I	UG/KG	2.05 U	1.81 U	1.91 U	1.79 U	1.93 U
Dieldrin	UG/KG	3.98 U	3.51 U	3.71 U	3.47 U	3.75 U
4,4'-DDE	UG/KG	3.98 U	3.51 U	3.71 U	3.47 U	3.75 U
Endrin	UG/KG	3.98 U	3.51 U	3.71 U	3.47 U	3.75 U
Endosulfan II	UG/KG	3.98 U	3.51 U	3.71 U	3.47 U	3.75 U
4,4'-DDD	UG/KG	3.98 U	3.51 UJ	3.71 UJ	3.47 UJ	3.75 UJ
Endosulfan sulfate	UG/KG	3.98 U	3.51 U	3.71 U	3.47 U	3.75 U
4,4'-DDT	UG/KG	3.98 U	3.51 UJ	3.71 UJ	3.47 UJ	3.75 UJ
Methoxychlor	UG/KG	20.5 U	18.1 U	19.1 U	17.9 U	19.3 U
Endrin ketone	UG/KG	3.98 U	3.51 U	3.71 U	3.47 U	3.75 U
Endrin aldehyde	UG/KG	3.98 U	3.51 U	3.71 U	3.47 U	3.75 U
alpha-Chlordane	UG/KG	2.05 U	1.81 U	1.91 UJ	1.79 UJ	1.93 U
gamma-Chlordane	UG/KG	2.05 U	1.81 U	1.91 UJ	1.79 UJ	1.93 U
Toxaphene	UG/KG	205 U	181.0 U	191.0 U	179.0 U	193.0 U
Aroclor 1016	UG/KG	39.8 U	35.1 U	37.1 U	34.7 U	37.5 U
Aroclor 1221	UG/KG	80.7 U	71.3 U	75.3 U	70.5 U	76.1 U
Aroclor 1232	UG/KG	39.8 U	35.1 U	37.1 U	34.7 U	37.5 U
Aroclor 1242	UG/KG	39.8 U	35.1 U	37.1 U	34.7 U	37.5 U
Aroclor 1248	UG/KG	39.8 U	35.1 U	37.1 U	34.7 U	37.5 U
Aroclor 1254	UG/KG	39.8 U	35.1 U	37.1 U	34.7 U	37.5 U
Aroclor 1260	UG/KG	39.8 U	35.1 U	37.1 U	34.7 U	37.5 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 74)
 FORMER DISPOSAL / POTENTIAL DISPOSAL / FORMER PEST CONTROL AREA SUBSURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	74-FPA-SB06-05	74-FPA-SB07-03	74-FPA-SB07-07	74-FPA-SB08-03	74-FPA-SB08-07	74-FPA-SB09-04
Laboratory Sample ID:	9402180-11A	9402180-13A	9402180-14A	9402180-16A	9402180-17A	9402180-19A
Date Sampled:	02/20/94	02/20/94	02/20/94	02/20/94	02/20/94	02/20/94
Percent Solids	89.0	95.5	91.3	94.4	86.8	85.6
SEMIVOLATILES						
1,2-Dichlorobenzene	UG/KG	371.0 U	347.0 U	363.0 U	351.0 U	379.0 U
1,2,4-Trichlorobenzene	UG/KG	371.0 U	347.0 U	363.0 U	351.0 U	379.0 U
1,3-Dichlorobenzene	UG/KG	371.0 U	347.0 U	363.0 U	351.0 U	379.0 U
1,4-Dichlorobenzene	UG/KG	371.0 U	347.0 U	363.0 U	351.0 U	379.0 U
2-Chloronaphthalene	UG/KG	371.0 U	347.0 U	363.0 U	351.0 U	379.0 U
2-Chlorophenol	UG/KG	371.0 U	347.0 U	363.0 U	351.0 U	379.0 U
2-Methylnaphthalene	UG/KG	371.0 U	347.0 U	363.0 U	351.0 U	379.0 U
2-Methylphenol	UG/KG	371.0 U	347.0 U	363.0 U	351.0 U	379.0 U
2-Nitroaniline	UG/KG	899.0 U	842.0 U	879.0 U	851.0 U	919.0 U
2-Nitrophenol	UG/KG	371.0 U	347.0 U	363.0 U	351.0 U	379.0 U
2,2'-oxybis-(1-chloropropane)	UG/KG	371.0 U	347.0 U	363.0 U	351.0 U	379.0 U
2,4-Dichlorophenol	UG/KG	371.0 U	347.0 U	363.0 U	351.0 U	379.0 U
2,4-Dimethylphenol	UG/KG	371.0 U	347.0 U	363.0 U	351.0 U	379.0 U
2,4-Dinitrophenol	UG/KG	899.0 U	842.0 U	879.0 U	851.0 U	919.0 U
2,4-Dinitrotoluene	UG/KG	371.0 U	347.0 U	363.0 U	351.0 U	379.0 U
2,4,5-Trichlorophenol	UG/KG	899.0 U	842.0 U	879.0 U	851.0 U	919.0 U
2,4,6-Trichlorophenol	UG/KG	371.0 U	347.0 U	363.0 U	351.0 U	379.0 U
2,6-Dinitrotoluene	UG/KG	371.0 U	347.0 U	363.0 U	351.0 U	379.0 U
3-Nitroaniline	UG/KG	899.0 U	842.0 U	879.0 U	851.0 U	919.0 U
3,3'-Dichlorobenzidine	UG/KG	371.0 U	347.0 U	363.0 U	351.0 U	379.0 U
4-Bromophenyl-phenylether	UG/KG	371.0 U	347.0 U	363.0 U	351.0 U	379.0 U
4-Chloro-3-methylphenol	UG/KG	371.0 U	347.0 U	363.0 U	351.0 U	379.0 U
4-Chloroaniline	UG/KG	371.0 U	347.0 U	363.0 U	351.0 U	379.0 U
4-Chlorophenyl phenyl ether	UG/KG	371.0 U	347.0 U	363.0 U	351.0 U	379.0 U
4-Methylphenol	UG/KG	371.0 U	347.0 U	363.0 U	351.0 U	379.0 U
4-Nitroaniline	UG/KG	899.0 U	842.0 U	879.0 U	851.0 U	919.0 U
4-Nitrophenol	UG/KG	899.0 U	842.0 U	879.0 U	851.0 U	919.0 U
4,6-Dinitro-2-methylphenol	UG/KG	899.0 U	842.0 U	879.0 U	851.0 U	919.0 U
Acenaphthene	UG/KG	371.0 U	347.0 U	363.0 U	351.0 U	379.0 U
Acenaphthylene	UG/KG	371.0 U	347.0 U	363.0 U	351.0 U	379.0 U
Anthracene	UG/KG	371.0 U	347.0 U	363.0 U	351.0 U	379.0 U
Benzo[a]anthracene	UG/KG	371.0 U	347.0 U	363.0 U	351.0 U	379.0 U
Benzo[a]pyrene	UG/KG	371.0 U	347.0 U	363.0 U	351.0 U	379.0 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 74)
 FORMER DISPOSAL / POTENTIAL DISPOSAL / FORMER PEST CONTROL AREA SUBSURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	74-FPA-SB06-05	74-FPA-SB07-03	74-FPA-SB07-07	74-FPA-SB08-03	74-FPA-SB08-07	74-FPA-SB09-04
Laboratory Sample ID:	9402180-11A	9402180-13A	9402180-14A	9402180-16A	9402180-17A	9402180-19A
Date Sampled:	02/20/94	02/20/94	02/20/94	02/20/94	02/20/94	02/20/94
Percent Solids	89.0	95.5	91.3	94.4	86.8	85.6

SEMIVOLATILES Cont.

Benzo[b]fluoranthene	UG/KG	371.0 U	347.0 U	363.0 U	351.0 U	379.0 U	384.0 U
Benzo[g,h,i]perylene	UG/KG	371.0 U	347.0 U	363.0 U	351.0 U	379.0 U	384.0 U
Benzo[k]fluoranthene	UG/KG	371.0 U	347.0 U	363.0 U	351.0 U	379.0 U	384.0 U
bis(2-Chloroethoxy) methane	UG/KG	371.0 U	347.0 U	363.0 U	351.0 U	379.0 U	384.0 U
bis(2-Chloroethyl) ether	UG/KG	371.0 U	347.0 U	363.0 U	351.0 U	379.0 U	384.0 U
bis(2-Ethylhexyl)phthalate	UG/KG	371.0 U	347.0 U	37.0 J	351.0 U	379.0 U	384.0 U
Butyl benzyl phthalate	UG/KG	371.0 U	347.0 U	363.0 U	351.0 U	379.0 U	384.0 U
Carbazole	UG/KG	371.0 U	347.0 U	363.0 U	351.0 U	379.0 U	384.0 U
Chrysene	UG/KG	371.0 U	347.0 U	363.0 U	351.0 U	379.0 U	384.0 U
Dibenzofuran	UG/KG	371.0 U	347.0 U	363.0 U	351.0 U	379.0 U	384.0 U
Dibenz[a,h]anthracene	UG/KG	371.0 U	347.0 U	363.0 U	351.0 U	379.0 U	384.0 U
Diethylphthalate	UG/KG	371.0 U	347.0 U	363.0 U	351.0 U	379.0 U	384.0 U
Dimethyl phthalate	UG/KG	371.0 U	347.0 U	363.0 U	351.0 U	379.0 U	384.0 U
di-n-Butylphthalate	UG/KG	371.0 U	347.0 U	363.0 U	351.0 U	379.0 U	384.0 U
di-n-Octylphthalate	UG/KG	371.0 U	347.0 U	363.0 U	351.0 U	379.0 U	384.0 U
Fluoranthene	UG/KG	371.0 U	347.0 U	363.0 U	351.0 U	379.0 U	384.0 U
Fluorene	UG/KG	371.0 U	347.0 U	363.0 U	351.0 U	379.0 U	384.0 U
Hexachlorobenzene	UG/KG	371.0 U	347.0 U	363.0 U	351.0 U	379.0 U	384.0 U
Hexachlorobutadiene	UG/KG	371.0 U	347.0 U	363.0 U	351.0 U	379.0 U	384.0 U
Hexachlorocyclopentadiene	UG/KG	371.0 U	347.0 U	363.0 U	351.0 U	379.0 U	384.0 U
Hexachloroethane	UG/KG	371.0 U	347.0 U	363.0 U	351.0 U	379.0 U	384.0 U
Indeno[1,2,3-cd]pyrene	UG/KG	371.0 U	347.0 U	363.0 U	351.0 U	379.0 U	384.0 U
Isophorone	UG/KG	371.0 U	347.0 U	363.0 U	351.0 U	379.0 U	384.0 U
Naphthalene	UG/KG	371.0 U	347.0 U	363.0 U	351.0 U	379.0 U	384.0 U
Nitrobenzene	UG/KG	371.0 U	347.0 U	363.0 U	351.0 U	379.0 U	384.0 U
N-Nitroso-di-n-propylamine	UG/KG	371.0 U	347.0 U	363.0 U	351.0 U	379.0 U	384.0 U
N-nitrosodiphenylamine	UG/KG	371.0 U	347.0 U	363.0 U	351.0 U	379.0 U	384.0 U
Pentachlorophenol	UG/KG	899.0 U	842.0 U	879.0 U	851.0 U	919.0 U	930.0 U
Phenanthrene	UG/KG	371.0 U	347.0 U	363.0 U	351.0 U	379.0 U	384.0 U
Phenol	UG/KG	371.0 U	347.0 U	363.0 U	351.0 U	379.0 U	384.0 U
Pyrene	UG/KG	371.0 U	347.0 U	363.0 U	351.0 U	379.0 U	384.0 U

FREQUENCY OF DETECTION SUMMARY
OPERABLE UNIT NO. 4 (SITE 74)
FORMER DISPOSAL / POTENTIAL DISPOSAL / FORMER PEST CONTROL AREA SUBSURFACE SOIL
MCB CAMP LEJEUNE, NORTH CAROLINA
REMEDIAL INVESTIGATION - CTO-0212
ORGANICS

Client Sample ID:	74-FPA-SB06-05	74-FPA-SB07-03	74-FPA-SB07-07	74-FPA-SB08-03	74-FPA-SB08-07	74-FPA-SB09-04
Laboratory Sample ID:	9402180-11A	9402180-13A	9402180-14A	9402180-16A	9402180-17A	9402180-19A
Date Sampled:	02/20/94	02/20/94	02/20/94	02/20/94	02/20/94	02/20/94
Percent Solids	89.0	95.5	91.3	94.4	86.8	85.6
<u>VOLATILES</u>						
Chloromethane	UG/KG	11.0 U	11.0 U	11.0 U	11.0 U	12.0 U
Bromomethane	UG/KG	11.0 U	11.0 U	11.0 U	11.0 U	12.0 U
Vinyl chloride	UG/KG	11.0 U	11.0 U	11.0 U	11.0 U	12.0 U
Chloroethane	UG/KG	11.0 U	11.0 U	11.0 U	11.0 U	12.0 U
Methylene chloride	UG/KG	11.00 U	12.0 U	11.0 U	11.00 U	12.0 U
Acetone	UG/KG	11.0 U	88.0 J	61.0 J	42.0 U	93.0 J
Carbon Disulfide	UG/KG	11.0 U	11.0 U	11.0 U	11.0 U	12.0 U
1,1-Dichloroethene	UG/KG	11.0 U	11.0 U	11.0 U	11.0 U	12.0 U
1,1-Dichloroethane	UG/KG	11.0 U	11.0 U	11.0 U	11.0 U	12.0 U
1,2-Dichloroethene(total)	UG/KG	11.0 U	11.0 U	11.0 U	11.0 U	12.0 U
Chloroform	UG/KG	11.0 U	11.0 U	11.0 U	11.0 U	12.0 U
1,2-Dichloroethane	UG/KG	11.0 U	11.0 U	11.0 U	11.0 U	12.0 U
2-Butanone	UG/KG	11.0 U	11.0 R	11.0 R	11.0 U	12.0 R
1,1,1-Trichloroethane	UG/KG	11.0 U	11.0 U	11.0 U	11.0 U	12.0 U
Carbon tetrachloride	UG/KG	11.0 U	11.0 U	11.0 U	11.0 U	12.0 U
Bromodichloromethane	UG/KG	11.0 U	11.0 U	11.0 U	11.0 U	12.0 U
1,2-Dichloropropane	UG/KG	11.0 U	11.0 U	11.0 U	11.0 U	12.0 U
cis-1,3-Dichloropropene	UG/KG	11.0 U	11.0 U	11.0 U	11.0 U	12.0 U
Trichloroethene	UG/KG	11.0 U	11.0 U	11.0 U	11.0 U	12.0 U
Dibromochloromethane	UG/KG	11.0 U	11.0 U	11.0 U	11.0 U	12.0 U
1,1,2-Trichloroethane	UG/KG	11.0 U	11.0 U	11.0 U	11.0 U	12.0 U
Benzene	UG/KG	11.0 U	11.0 U	11.0 U	11.0 U	12.0 U
trans-1,3-Dichloropropene	UG/KG	11.0 U	11.0 U	11.0 U	11.0 U	12.0 U
Bromoform	UG/KG	11.0 U	11.0 U	11.0 U	11.0 U	12.0 U
4-Methyl-2-pentanone	UG/KG	11.0 U	11.0 U	11.0 U	11.0 U	12.0 U
2-Hexanone	UG/KG	11.0 U	11.0 U	11.0 U	11.0 U	12.0 U
Tetrachloroethene	UG/KG	11.0 U	11.0 U	11.0 U	11.0 U	12.0 U
1,1,2,2-Tetrachloroethane	UG/KG	11.0 U	11.0 U	11.0 U	11.0 U	12.0 U
Toluene	UG/KG	11.0 U	11.0 U	11.0 U	11.0 U	12.0 U
Chlorobenzene	UG/KG	11.0 U	11.0 U	11.0 U	11.0 U	12.0 U
Ethylbenzene	UG/KG	11.0 U	11.0 U	11.0 U	11.0 U	12.0 U
Styrene	UG/KG	11.0 U	11.0 U	11.0 U	11.0 U	12.0 U
Xylenes (total)	UG/KG	11.0 U	11.0 U	11.0 U	11.0 U	12.0 U

FREQUENCY OF DETECTION SUMMARY
OPERABLE UNIT NO. 4 (SITE 74)
FORMER DISPOSAL / POTENTIAL DISPOSAL / FORMER PEST CONTROL AREA SUBSURFACE SOIL
MCB CAMP LEJEUNE, NORTH CAROLINA
REMEDIAL INVESTIGATION - CTO-0212
ORGANICS

Client Sample ID:	74-FPA-SB06-05	74-FPA-SB07-03	74-FPA-SB07-07	74-FPA-SB08-03	74-FPA-SB08-07	74-FPA-SB09-04
Laboratory Sample ID:	9402180-11A	9402180-13A	9402180-14A	9402180-16A	9402180-17A	9402180-19A
Date Sampled:	02/20/94	02/20/94	02/20/94	02/20/94	02/20/94	02/20/94
Percent Solids	89.0	95.5	91.3	94.4	86.8	85.6
PESTICIDE/PCBS						
alpha-BHC	UG/KG	1.91 UJ	1.79 UJ	1.87 UJ	1.81 UJ	1.95 UJ
beta-BHC	UG/KG	1.91 UJ	1.79 UJ	1.87 UJ	1.81 UJ	1.95 UJ
delta-BHC	UG/KG	1.91 UJ	1.79 UJ	1.87 UJ	1.81 UJ	1.95 UJ
Lindane (gamma-BHC)	UG/KG	1.91 UJ	1.79 UJ	1.87 UJ	1.81 UJ	1.95 UJ
Heptachlor	UG/KG	1.91 UJ	1.79 UJ	1.87 UJ	1.81 UJ	1.95 UJ
Aldrin	UG/KG	1.91 UJ	1.79 UJ	1.87 UJ	1.81 UJ	1.95 UJ
Heptachlor epoxide	UG/KG	1.91 UJ	1.79 UJ	1.87 UJ	1.81 UJ	1.95 UJ
Endosulfan I	UG/KG	1.91 UJ	1.79 UJ	1.87 UJ	1.81 UJ	1.95 UJ
Dieldrin	UG/KG	3.71 UJ	3.47 UJ	3.63 UJ	3.51 UJ	3.79 UJ
4,4'-DDE	UG/KG	3.71 UJ	3.47 UJ	3.63 UJ	3.51 UJ	3.79 UJ
Endrin	UG/KG	3.71 UJ	3.47 UJ	3.63 UJ	3.51 UJ	3.79 UJ
Endosulfan II	UG/KG	3.71 UJ	3.47 UJ	3.63 UJ	3.51 UJ	3.79 UJ
4,4'-DDD	UG/KG	3.71 UJ	3.47 UJ	3.63 UJ	3.51 UJ	3.79 UJ
Endosulfan sulfate	UG/KG	3.71 UJ	3.47 UJ	3.63 UJ	3.51 UJ	3.79 UJ
4,4'-DDT	UG/KG	3.71 UJ	3.47 UJ	3.63 UJ	3.51 UJ	3.79 UJ
Methoxychlor	UG/KG	19.1 UJ	17.9 UJ	18.7 UJ	18.1 UJ	19.5 UJ
Endrin ketone	UG/KG	3.71 UJ	3.47 UJ	3.63 UJ	3.51 UJ	3.79 UJ
Endrin aldehyde	UG/KG	3.71 UJ	3.47 UJ	0.480 NJ	3.51 UJ	3.79 UJ
alpha-Chlordane	UG/KG	1.91 UJ	1.79 UJ	1.87 UJ	1.81 UJ	1.95 UJ
gamma-Chlordane	UG/KG	1.91 UJ	1.79 UJ	1.87 UJ	1.81 UJ	1.95 UJ
Toxaphene	UG/KG	191.0 UJ	179.0 UJ	187.0 UJ	181.0 UJ	195.0 UJ
Aroclor 1016	UG/KG	37.1 UJ	34.7 UJ	36.3 UJ	35.1 UJ	37.9 UJ
Aroclor 1221	UG/KG	75.3 UJ	70.5 UJ	73.6 UJ	71.3 UJ	77.0 UJ
Aroclor 1232	UG/KG	37.1 UJ	34.7 UJ	36.3 UJ	35.1 UJ	37.9 UJ
Aroclor 1242	UG/KG	37.1 UJ	34.7 UJ	36.3 UJ	35.1 UJ	37.9 UJ
Aroclor 1248	UG/KG	37.1 UJ	34.7 UJ	36.3 UJ	35.1 UJ	37.9 UJ
Aroclor 1254	UG/KG	37.1 UJ	34.7 UJ	36.3 UJ	35.1 UJ	37.9 UJ
Aroclor 1260	UG/KG	37.1 UJ	34.7 UJ	36.3 UJ	35.1 UJ	37.9 UJ

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 74)
 FORMER DISPOSAL / POTENTIAL DISPOSAL / FORMER PEST CONTROL AREA SUBSURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	74-FPA-SB09-07	74-GW03A-03	74-GW03A-04	74-GW04-03	74-GW04-05	74-GW05-01	
Laboratory Sample ID:	9402180-20A	9401110-01	9401110-02	9401101-01	9401101-02	9401066-04	
Date Sampled:	02/20/94	01/18/94	01/18/94	01/18/94	01/18/94	01/11/94	
Percent Solids	84.8	90.4	83.4	87.8	88.8	91.0	
SEMIVOLATILES							
1,2-Dichlorobenzene	UG/KG	388.0 U	367.0 U	396.0 U	376.0 U	373.0 U	367.0 U
1,2,4-Trichlorobenzene	UG/KG	388.0 U	367.0 U	396.0 U	376.0 U	373.0 U	367.0 U
1,3-Dichlorobenzene	UG/KG	388.0 U	367.0 U	396.0 U	376.0 U	373.0 U	367.0 U
1,4-Dichlorobenzene	UG/KG	388.0 U	367.0 U	396.0 U	376.0 U	373.0 U	367.0 U
2-Chloronaphthalene	UG/KG	388.0 U	367.0 U	396.0 U	376.0 U	373.0 U	367.0 U
2-Chlorophenol	UG/KG	388.0 U	367.0 U	396.0 U	376.0 U	373.0 U	367.0 U
2-Methylnaphthalene	UG/KG	388.0 U	367.0 U	396.0 U	376.0 U	373.0 U	367.0 U
2-Methylphenol	UG/KG	388.0 U	367.0 U	396.0 U	376.0 U	373.0 U	367.0 U
2-Nitroaniline	UG/KG	941.0 U	889.0 U	960.0 U	912.0 U	904.0 U	889.0 U
2-Nitrophenol	UG/KG	388.0 U	367.0 U	396.0 U	376.0 U	373.0 U	367.0 U
2,2'-oxybis-(1-chloropropane)	UG/KG	388.0 U	367.0 U	396.0 U	376.0 U	373.0 U	367.0 U
2,4-Dichlorophenol	UG/KG	388.0 U	367.0 U	396.0 U	376.0 U	373.0 U	367.0 U
2,4-Dimethylphenol	UG/KG	388.0 U	367.0 U	396.0 U	376.0 U	373.0 U	367.0 U
2,4-Dinitrophenol	UG/KG	941.0 U	889.0 U	960.0 U	912.0 U	904.0 U	889.0 U
2,4-Dinitrotoluene	UG/KG	388.0 U	367.0 U	396.0 U	376.0 U	373.0 U	367.0 U
2,4,5-Trichlorophenol	UG/KG	941.0 U	889.0 U	960.0 U	912.0 U	904.0 U	889.0 U
2,4,6-Trichlorophenol	UG/KG	388.0 U	367.0 U	396.0 U	376.0 U	373.0 U	367.0 U
2,6-Dinitrotoluene	UG/KG	388.0 U	367.0 U	396.0 U	376.0 U	373.0 U	367.0 U
3-Nitroaniline	UG/KG	941.0 U	889.0 U	960.0 U	912.0 U	904.0 U	889.0 U
3,3'-Dichlorobenzidine	UG/KG	388.0 U	367.0 U	396.0 U	376.0 U	373.0 U	367.0 U
4-Bromophenyl-phenylether	UG/KG	388.0 U	367.0 U	396.0 U	376.0 U	373.0 U	367.0 U
4-Chloro-3-methylphenol	UG/KG	388.0 U	367.0 U	396.0 U	376.0 U	373.0 U	367.0 U
4-Chloroaniline	UG/KG	388.0 U	367.0 U	396.0 U	376.0 U	373.0 U	367.0 U
4-Chlorophenyl phenyl ether	UG/KG	388.0 U	367.0 U	396.0 U	376.0 U	373.0 U	367.0 U
4-Methylphenol	UG/KG	388.0 U	367.0 U	396.0 U	376.0 U	373.0 U	367.0 U
4-Nitroaniline	UG/KG	941.0 U	889.0 U	960.0 U	912.0 U	904.0 U	889.0 U
4-Nitrophenol	UG/KG	941.0 U	889.0 U	960.0 U	912.0 U	904.0 U	889.0 U
4,6-Dinitro-2-methylphenol	UG/KG	941.0 U	889.0 U	960.0 U	912.0 U	904.0 U	889.0 U
Acenaphthene	UG/KG	388.0 U	367.0 U	396.0 U	376.0 U	373.0 U	367.0 U
Acenaphthylene	UG/KG	388.0 U	367.0 U	396.0 U	376.0 U	373.0 U	367.0 U
Anthracene	UG/KG	388.0 U	367.0 U	396.0 U	376.0 U	373.0 U	367.0 U
Benzo[a]anthracene	UG/KG	388.0 U	367.0 U	396.0 U	376.0 U	373.0 U	367.0 U
Benzo[a]pyrene	UG/KG	388.0 U	367.0 U	396.0 U	376.0 U	373.0 U	367.0 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 74)
 FORMER DISPOSAL / POTENTIAL DISPOSAL / FORMER PEST CONTROL AREA SUBSURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	74-FPA-SB09-07	74-GW03A-03	74-GW03A-04	74-GW04-03	74-GW04-05	74-GW05-01
Laboratory Sample ID:	9402180-20A	9401110-01	9401110-02	9401101-01	9401101-02	9401066-04
Date Sampled:	02/20/94	01/18/94	01/18/94	01/18/94	01/18/94	01/11/94
Percent Solids	84.8	90.4	83.4	87.8	88.8	91.0

SEMIVOLATILES Cont.		74-FPA-SB09-07	74-GW03A-03	74-GW03A-04	74-GW04-03	74-GW04-05	74-GW05-01
Benzo[b]fluoranthene	UG/KG	388.0 U	367.0 U	396.0 U	376.0 U	373.0 U	367.0 U
Benzo[g,h,i]perylene	UG/KG	388.0 U	367.0 U	396.0 U	376.0 U	373.0 U	367.0 U
Benzo[k]fluoranthene	UG/KG	388.0 U	367.0 U	396.0 U	376.0 U	373.0 U	367.0 U
bis(2-Chloroethoxy) methane	UG/KG	388.0 U	367.0 U	396.0 U	376.0 U	373.0 U	367.0 U
bis(2-Chloroethyl) ether	UG/KG	388.0 U	367.0 U	396.0 U	376.0 U	373.0 U	367.0 U
bis(2-Ethylhexyl)phthalate	UG/KG	388.0 U	367.0 U	396.0 U	376.0 U	46.0 J	367.0 U
Butyl benzyl phthalate	UG/KG	388.0 U	367.0 U	396.0 U	376.0 U	373.0 U	367.0 U
Carbazole	UG/KG	388.0 U	367.0 U	396.0 U	376.0 U	373.0 U	367.0 U
Chrysene	UG/KG	388.0 U	367.0 U	396.0 U	376.0 U	373.0 U	367.0 U
Dibenzofuran	UG/KG	388.0 U	367.0 U	396.0 U	376.0 U	373.0 U	367.0 U
Dibenz[a,h]anthracene	UG/KG	388.0 U	367.0 U	396.0 U	376.0 U	373.0 U	367.0 U
Diethylphthalate	UG/KG	388.0 U	367.0 U	396.0 U	376.0 U	373.0 U	367.0 U
Dimethyl phthalate	UG/KG	388.0 U	367.0 U	396.0 U	376.0 U	373.0 U	367.0 U
di-n-Butylphthalate	UG/KG	388.0 U	367.0 U	400.0 U	65.0 J	78.0 J	370.0 U
di-n-Octylphthalate	UG/KG	388.0 U	367.0 U	396.0 U	376.0 U	373.0 U	367.0 U
Fluoranthene	UG/KG	388.0 U	367.0 U	396.0 U	376.0 U	373.0 U	367.0 U
Fluorene	UG/KG	388.0 U	367.0 U	396.0 U	376.0 U	373.0 U	367.0 U
Hexachlorobenzene	UG/KG	388.0 U	367.0 U	396.0 U	376.0 U	373.0 U	367.0 U
Hexachlorobutadiene	UG/KG	388.0 U	367.0 U	396.0 U	376.0 U	373.0 U	367.0 U
Hexachlorocyclopentadiene	UG/KG	388.0 U	367.0 U	396.0 U	376.0 U	373.0 U	367.0 U
Hexachloroethane	UG/KG	388.0 U	367.0 U	396.0 U	376.0 U	373.0 U	367.0 U
Indeno[1,2,3-cd]pyrene	UG/KG	388.0 U	367.0 U	396.0 U	376.0 U	373.0 U	367.0 U
Isophorone	UG/KG	388.0 U	367.0 U	396.0 U	376.0 U	373.0 U	367.0 U
Naphthalene	UG/KG	388.0 U	367.0 U	396.0 U	376.0 U	373.0 U	367.0 U
Nitrobenzene	UG/KG	388.0 U	367.0 U	396.0 U	376.0 U	373.0 U	367.0 U
N-Nitroso-di-n-propylamine	UG/KG	388.0 U	367.0 U	396.0 U	376.0 U	373.0 U	367.0 U
N-nitrosodiphenylamine	UG/KG	388.0 U	367.0 U	396.0 U	376.0 U	373.0 U	367.0 U
Pentachlorophenol	UG/KG	941.0 U	889.0 U	960.0 U	912.0 U	904.0 U	889.0 U
Phenanthrene	UG/KG	388.0 U	367.0 U	396.0 U	376.0 U	373.0 U	367.0 U
Phenol	UG/KG	388.0 U	367.0 U	396.0 U	376.0 U	373.0 U	367.0 U
Pyrene	UG/KG	388.0 U	367.0 U	396.0 U	376.0 U	373.0 U	367.0 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 74)
 FORMER DISPOSAL / POTENTIAL DISPOSAL / FORMER PEST CONTROL AREA SUBSURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	74-FPA-SB09-07	74-GW03A-03	74-GW03A-04	74-GW04-03	74-GW04-05	74-GW05-01	
Laboratory Sample ID:	9402180-20A	9401110-01	9401110-02	9401101-01	9401101-02	9401066-04	
Date Sampled:	02/20/94	01/18/94	01/18/94	01/18/94	01/18/94	01/11/94	
Percent Solids	84.8	90.4	83.4	87.8	88.8	91.0	
VOLATILES							
Chloromethane	UG/KG	12.0 U	11.1 U	10.7 U	11.4 U	11.3 U	11.0 U
Bromomethane	UG/KG	12.0 U	11.1 U	10.7 U	11.4 U	11.3 U	11.0 U
Vinyl chloride	UG/KG	12.0 U	11.1 U	10.7 U	11.4 U	11.3 U	11.0 U
Chloroethane	UG/KG	12.0 U	11.1 U	10.7 U	11.4 U	11.3 U	11.0 U
Methylene chloride	UG/KG	12.0 U	11.0 U	10.0 U	11.00 U	11.00 U	12.0 U
Acetone	UG/KG	12.0 UJ	11.1 U	10.7 UJ	11.4 U	11.3 U	420.0 J
Carbon Disulfide	UG/KG	12.0 U	11.1 U	10.7 U	11.4 U	11.3 U	11.0 U
1,1-Dichloroethene	UG/KG	12.0 U	11.1 U	10.7 U	11.4 U	11.3 U	11.0 U
1,1-Dichloroethane	UG/KG	12.0 U	11.1 U	10.7 U	11.4 U	11.3 U	11.0 U
1,2-Dichloroethene(total)	UG/KG	12.0 U	11.1 U	10.7 U	11.4 U	11.3 U	11.0 U
Chloroform	UG/KG	12.0 U	11.1 U	10.7 U	11.4 U	11.3 U	11.0 U
1,2-Dichloroethane	UG/KG	12.0 U	11.1 U	10.7 U	11.4 U	11.3 U	11.0 U
2-Butanone	UG/KG	12.0 R	11.1 U	10.7 U	11.4 U	11.3 U	11.0 U
1,1,1-Trichloroethane	UG/KG	12.0 U	11.1 U	10.7 U	11.4 U	11.3 U	11.0 U
Carbon tetrachloride	UG/KG	12.0 U	11.1 U	10.7 U	11.4 U	11.3 U	11.0 U
Bromodichloromethane	UG/KG	12.0 U	11.1 U	10.7 U	11.4 U	11.3 U	11.0 U
1,2-Dichloropropane	UG/KG	12.0 U	11.1 U	10.7 U	11.4 U	11.3 U	11.0 U
cis-1,3-Dichloropropene	UG/KG	12.0 U	11.1 U	10.7 U	11.4 U	11.3 U	11.0 U
Trichloroethene	UG/KG	12.0 U	11.1 U	10.7 U	11.4 U	11.3 U	11.0 U
Dibromochloromethane	UG/KG	12.0 U	11.1 U	10.7 U	11.4 U	11.3 U	11.0 U
1,1,2-Trichloroethane	UG/KG	12.0 U	11.1 U	10.7 U	11.4 U	11.3 U	11.0 U
Benzene	UG/KG	12.0 U	11.1 U	10.7 U	11.4 U	11.3 U	11.0 U
trans-1,3-Dichloropropene	UG/KG	12.0 U	11.1 U	10.7 U	11.4 U	11.3 U	11.0 U
Bromoform	UG/KG	12.0 U	11.1 U	10.7 U	11.4 U	11.3 U	11.0 U
4-Methyl-2-pentanone	UG/KG	12.0 U	11.1 U	10.7 UJ	11.4 U	11.3 U	11.0 U
2-Hexanone	UG/KG	12.0 U	11.1 UJ	10.7 R	11.4 UJ	11.3 UJ	11.0 U
Tetrachloroethene	UG/KG	12.0 U	11.1 U	10.7 U	11.4 U	11.3 U	11.0 U
1,1,2,2-Tetrachloroethane	UG/KG	12.0 U	11.1 U	10.7 U	11.4 U	11.3 U	11.0 U
Toluene	UG/KG	12.0 U	11.1 U	10.7 U	11.4 U	11.3 U	11.0 U
Chlorobenzene	UG/KG	12.0 U	11.1 U	10.7 U	11.4 U	11.3 U	11.0 U
Ethylbenzene	UG/KG	12.0 U	11.1 U	10.7 U	11.4 U	11.3 U	11.0 U
Styrene	UG/KG	12.0 U	11.1 U	10.7 U	11.4 U	11.3 U	11.0 U
Xylenes (total)	UG/KG	12.0 U	11.1 U	10.7 U	11.4 U	11.3 U	11.0 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 74)
 FORMER DISPOSAL / POTENTIAL DISPOSAL / FORMER PEST CONTROL AREA SUBSURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	74-FPA-SB09-07	74-GW03A-03	74-GW03A-04	74-GW04-03	74-GW04-05	74-GW05-01
Laboratory Sample ID:	9402180-20A	9401110-01	9401110-02	9401101-01	9401101-02	9401066-04
Date Sampled:	02/20/94	01/18/94	01/18/94	01/18/94	01/18/94	01/11/94
Percent Solids	84.8	90.4	83.4	87.8	88.8	91.0
PESTICIDE/PCBS						
alpha-BHC	UG/KG	2.00 UJ	1.89 UJ	2.05 UJ	1.93 UJ	1.91 UJ
beta-BHC	UG/KG	2.00 UJ	1.89 U	2.05 U	1.93 UJ	1.91 U
delta-BHC	UG/KG	2.00 UJ	1.89 UJ	2.05 UJ	1.93 UJ	1.91 UJ
Lindane (gamma-BHC)	UG/KG	2.00 UJ	1.89 U	2.05 U	1.93 UJ	1.91 U
Heptachlor	UG/KG	2.00 UJ	1.25 J	1.59 J	1.93 UJ	1.91 U
Aldrin	UG/KG	2.00 UJ	1.89 U	2.05 U	1.93 UJ	1.91 U
Heptachlor epoxide	UG/KG	2.00 UJ	1.89 U	2.05 U	1.93 UJ	1.91 U
Endosulfan I	UG/KG	2.00 UJ	1.89 U	2.05 U	1.93 UJ	1.91 U
Dieldrin	UG/KG	3.88 UJ	3.67 U	3.98 U	3.75 UJ	3.71 U
4,4'-DDE	UG/KG	3.88 UJ	3.67 U	3.98 U	3.75 UJ	3.71 U
Endrin	UG/KG	3.88 UJ	3.67 U	3.98 U	3.75 UJ	3.71 U
Endosulfan II	UG/KG	3.88 UJ	3.67 U	3.98 U	3.75 UJ	3.71 U
4,4'-DDD	UG/KG	3.88 UJ	3.67 U	3.98 U	3.75 UJ	3.71 U
Endosulfan sulfate	UG/KG	3.88 UJ	3.67 U	3.98 U	3.75 UJ	3.71 U
4,4'-DDT	UG/KG	3.88 UJ	3.67 UJ	3.98 UJ	3.75 UJ	0.780 NJ
Methoxychlor	UG/KG	20.0 UJ	18.9 UJ	20.5 UJ	19.3 UJ	19.1 UJ
Endrin ketone	UG/KG	3.88 UJ	3.67 U	3.98 U	3.75 UJ	3.71 U
Endrin aldehyde	UG/KG	3.88 UJ	0.770 NJ	3.98 U	3.75 UJ	3.71 U
alpha-Chlordane	UG/KG	2.00 UJ	1.89 U	2.05 U	1.93 UJ	1.91 U
gamma-Chlordane	UG/KG	2.00 UJ	1.89 U	2.05 U	1.93 UJ	1.91 U
Toxaphene	UG/KG	200.0 UJ	189.0 U	205.0 U	193.0 UJ	191.0 U
Aroclor 1016	UG/KG	38.8 UJ	36.7 U	39.8 U	37.5 UJ	37.1 U
Aroclor 1221	UG/KG	78.8 UJ	74.4 U	80.7 U	76.1 UJ	75.3 U
Aroclor 1232	UG/KG	38.8 UJ	36.7 U	39.8 U	37.5 UJ	37.1 U
Aroclor 1242	UG/KG	38.8 UJ	36.7 U	39.8 U	37.5 UJ	37.1 U
Aroclor 1248	UG/KG	38.8 UJ	36.7 U	39.8 U	37.5 UJ	37.1 U
Aroclor 1254	UG/KG	38.8 UJ	36.7 U	39.8 U	37.5 UJ	37.1 U
Aroclor 1260	UG/KG	38.8 UJ	36.7 U	39.8 U	37.5 UJ	37.1 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 74)
 FORMER DISPOSAL / POTENTIAL DISPOSAL / FORMER PEST CONTROL AREA SUBSURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	74-GW05-04	74-GW07-01	74-GW07-02	74-GW08-03	74-GW08-06	
Laboratory Sample ID:	9401066-05	9402151-03A	9402151-04A	9402151-01A	9402151-02A	
Date Sampled:	01/11/94	02/18/94	02/18/94	02/18/94	02/18/94	
Percent Solids	91.2	81.7	82.8	80.1	86.2	
SEMIVOLATILES						
1,2-Dichlorobenzene	UG/KG	367.0 U	403.0 U	396.0 U	412.0 U	383.0 U
1,2,4-Trichlorobenzene	UG/KG	367.0 U	403.0 U	396.0 U	412.0 U	383.0 U
1,3-Dichlorobenzene	UG/KG	367.0 U	403.0 U	396.0 U	412.0 U	383.0 U
1,4-Dichlorobenzene	UG/KG	367.0 U	403.0 U	396.0 U	412.0 U	383.0 U
2-Chloronaphthalene	UG/KG	367.0 U	403.0 U	396.0 U	412.0 U	383.0 U
2-Chlorophenol	UG/KG	367.0 U	403.0 U	396.0 U	412.0 U	383.0 U
2-Methylnaphthalene	UG/KG	367.0 U	403.0 U	396.0 U	412.0 U	383.0 U
2-Methylphenol	UG/KG	367.0 U	403.0 U	396.0 U	412.0 U	383.0 U
2-Nitroaniline	UG/KG	889.0 U	976.0 U	960.0 U	1000.0 U	928.0 U
2-Nitrophenol	UG/KG	367.0 U	403.0 U	396.0 U	412.0 U	383.0 U
2,2'-oxybis-(1-chloropropane)	UG/KG	367.0 U	403.0 R	396.0 R	412.0 U	383.0 R
2,4-Dichlorophenol	UG/KG	367.0 U	403.0 U	396.0 U	412.0 U	383.0 U
2,4-Dimethylphenol	UG/KG	367.0 U	403.0 U	396.0 U	412.0 U	383.0 U
2,4-Dinitrophenol	UG/KG	889.0 U	976.0 U	960.0 U	1000.0 U	928.0 U
2,4-Dinitrotoluene	UG/KG	367.0 U	403.0 U	396.0 U	412.0 U	383.0 U
2,4,5-Trichlorophenol	UG/KG	889.0 U	976.0 U	960.0 U	1000.0 U	928.0 U
2,4,6-Trichlorophenol	UG/KG	367.0 U	403.0 U	396.0 U	412.0 U	383.0 U
2,6-Dinitrotoluene	UG/KG	367.0 U	403.0 U	396.0 U	412.0 U	383.0 U
3-Nitroaniline	UG/KG	889.0 U	976.0 U	960.0 U	1000.0 U	928.0 U
3,3'-Dichlorobenzidine	UG/KG	367.0 U	403.0 U	396.0 U	412.0 U	383.0 U
4-Bromophenyl-phenylether	UG/KG	367.0 U	403.0 U	396.0 U	412.0 U	383.0 U
4-Chloro-3-methylphenol	UG/KG	367.0 U	403.0 U	396.0 U	412.0 U	383.0 U
4-Chloroaniline	UG/KG	367.0 U	403.0 U	396.0 U	412.0 U	383.0 U
4-Chlorophenyl phenyl ether	UG/KG	367.0 U	403.0 U	396.0 U	412.0 U	383.0 U
4-Methylphenol	UG/KG	367.0 U	403.0 U	396.0 U	412.0 U	383.0 U
4-Nitroaniline	UG/KG	889.0 U	976.0 U	960.0 U	1000.0 U	928.0 U
4-Nitrophenol	UG/KG	889.0 U	976.0 U	960.0 U	1000.0 U	928.0 U
4,6-Dinitro-2-methylphenol	UG/KG	889.0 U	976.0 U	960.0 U	1000.0 U	928.0 U
Acenaphthene	UG/KG	367.0 U	403.0 U	396.0 U	412.0 U	383.0 U
Acenaphthylene	UG/KG	367.0 U	403.0 U	396.0 U	412.0 U	383.0 U
Anthracene	UG/KG	367.0 U	403.0 U	396.0 U	412.0 U	383.0 U
Benzo[a]anthracene	UG/KG	367.0 U	403.0 U	396.0 U	412.0 U	383.0 U
Benzo[a]pyrene	UG/KG	367.0 U	403.0 U	396.0 U	412.0 U	383.0 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 74)
 FORMER DISPOSAL / POTENTIAL DISPOSAL / FORMER PEST CONTROL AREA SUBSURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	74-GW05-04	74-GW07-01	74-GW07-02	74-GW08-03	74-GW08-06
Laboratory Sample ID:	9401066-05	9402151-03A	9402151-04A	9402151-01A	9402151-02A
Date Sampled:	01/11/94	02/18/94	02/18/94	02/18/94	02/18/94
Percent Solids	91.2	81.7	82.8	80.1	86.2

SEMIVOLATILES Cont.

Benzo[b]fluoranthene	UG/KG	367.0 U	403.0 U	396.0 U	412.0 U	383.0 U
Benzo[g,h,i]perylene	UG/KG	367.0 U	403.0 U	396.0 U	412.0 U	383.0 U
Benzo[k]fluoranthene	UG/KG	367.0 U	403.0 U	396.0 U	412.0 U	383.0 U
bis(2-Chloroethoxy) methane	UG/KG	367.0 U	403.0 U	396.0 U	412.0 U	383.0 U
bis(2-Chloroethyl) ether	UG/KG	367.0 U	403.0 U	396.0 U	412.0 U	383.0 U
bis(2-Ethylhexyl)phthalate	UG/KG	367.0 U	56.0 J	54.0 J	240.0 J	46.0 J
Butyl benzyl phthalate	UG/KG	367.0 U	403.0 U	396.0 U	412.0 U	383.0 U
Carbazole	UG/KG	367.0 U	403.0 U	396.0 U	412.0 U	383.0 U
Chrysene	UG/KG	367.0 U	403.0 U	396.0 U	412.0 U	383.0 U
Dibenzofuran	UG/KG	367.0 U	403.0 U	396.0 U	412.0 U	383.0 U
Dibenz[a,h]anthracene	UG/KG	367.0 U	403.0 U	396.0 U	412.0 U	383.0 U
Diethylphthalate	UG/KG	367.0 U	403.0 U	396.0 U	412.0 U	383.0 U
Dimethyl phthalate	UG/KG	367.0 U	403.0 U	396.0 U	412.0 U	383.0 U
di-n-Butylphthalate	UG/KG	370.0 U	44.0 J	396.0 U	43.0 J	383.0 U
di-n-Octylphthalate	UG/KG	367.0 U	403.0 U	396.0 U	412.0 U	383.0 U
Fluoranthene	UG/KG	367.0 U	403.0 U	396.0 U	412.0 U	383.0 U
Fluorene	UG/KG	367.0 U	403.0 U	396.0 U	412.0 U	383.0 U
Hexachlorobenzene	UG/KG	367.0 U	403.0 U	396.0 U	412.0 U	383.0 U
Hexachlorobutadiene	UG/KG	367.0 U	403.0 U	396.0 U	412.0 U	383.0 U
Hexachlorocyclopentadiene	UG/KG	367.0 U	403.0 U	396.0 U	412.0 U	383.0 U
Hexachloroethane	UG/KG	367.0 U	403.0 U	396.0 U	412.0 U	383.0 U
Indeno[1,2,3-cd]pyrene	UG/KG	367.0 U	403.0 U	396.0 U	412.0 U	383.0 U
Isophorone	UG/KG	367.0 U	403.0 U	396.0 U	412.0 U	383.0 U
Naphthalene	UG/KG	367.0 U	403.0 U	396.0 U	412.0 U	383.0 U
Nitrobenzene	UG/KG	367.0 U	403.0 U	396.0 U	412.0 U	383.0 U
N-Nitroso-di-n-propylamine	UG/KG	367.0 U	403.0 U	396.0 U	412.0 U	383.0 U
N-nitrosodiphenylamine	UG/KG	367.0 U	403.0 U	396.0 U	412.0 U	383.0 U
Pentachlorophenol	UG/KG	889.0 U	976.0 U	960.0 U	1000.0 U	928.0 U
Phenanthrene	UG/KG	367.0 U	403.0 U	396.0 U	412.0 U	383.0 U
Phenol	UG/KG	367.0 U	403.0 U	396.0 U	412.0 U	383.0 U
Pyrene	UG/KG	367.0 U	403.0 U	396.0 U	412.0 U	383.0 U

FREQUENCY OF DETECTION SUMMARY
OPERABLE UNIT NO. 4 (SITE 74)
FORMER DISPOSAL / POTENTIAL DISPOSAL / FORMER PEST CONTROL AREA SUBSURFACE SOIL
MCB CAMP LEJEUNE, NORTH CAROLINA
REMEDIAL INVESTIGATION - CTO-0212
ORGANICS

Client Sample ID:	74-GW05-04	74-GW07-01	74-GW07-02	74-GW08-03	74-GW08-06
Laboratory Sample ID:	9401066-05	9402151-03A	9402151-04A	9402151-01A	9402151-02A
Date Sampled:	01/11/94	02/18/94	02/18/94	02/18/94	02/18/94
Percent Solids	91.2	81.7	82.8	80.1	86.2
VOLATILES					
Chloromethane	UG/KG	11.0 U	12.0 U	12.0 U	12.0 U
Bromomethane	UG/KG	11.0 U	12.0 U	12.0 U	12.0 U
Vinyl chloride	UG/KG	11.0 U	12.0 U	12.0 U	12.0 U
Chloroethane	UG/KG	11.0 U	12.0 U	12.0 U	12.0 U
Methylene chloride	UG/KG	11.0 U	12.00 U	12.00 U	12.00 U
Acetone	UG/KG	11.0 U	12.0 U	26.0 U	6.00 J
Carbon Disulfide	UG/KG	11.0 U	12.0 U	12.0 U	12.0 U
1,1-Dichloroethene	UG/KG	11.0 U	12.0 U	12.0 U	12.0 U
1,1-Dichloroethane	UG/KG	11.0 U	12.0 U	12.0 U	12.0 U
1,2-Dichloroethene(total)	UG/KG	11.0 U	12.0 U	12.0 U	12.0 U
Chloroform	UG/KG	11.0 U	12.0 U	12.0 U	12.0 U
1,2-Dichloroethane	UG/KG	11.0 U	12.0 U	12.0 U	12.0 U
2-Butanone	UG/KG	11.0 U	12.0 U	12.0 U	12.0 U
1,1,1-Trichloroethane	UG/KG	11.0 U	12.0 U	12.0 U	12.0 U
Carbon tetrachloride	UG/KG	11.0 U	12.0 U	12.0 U	12.0 U
Bromodichloromethane	UG/KG	11.0 U	12.0 U	12.0 U	12.0 U
1,2-Dichloropropane	UG/KG	11.0 U	12.0 U	12.0 U	12.0 U
cis-1,3-Dichloropropene	UG/KG	11.0 U	12.0 U	12.0 U	12.0 U
Trichloroethene	UG/KG	11.0 U	12.0 U	12.0 U	12.0 U
Dibromochloromethane	UG/KG	11.0 U	12.0 U	12.0 U	12.0 U
1,1,2-Trichloroethane	UG/KG	11.0 U	12.0 U	12.0 U	12.0 U
Benzene	UG/KG	11.0 U	12.0 U	12.0 U	12.0 U
trans-1,3-Dichloropropene	UG/KG	11.0 U	12.0 U	12.0 U	12.0 U
Bromoform	UG/KG	11.0 U	12.0 U	12.0 U	12.0 U
4-Methyl-2-pentanone	UG/KG	11.0 U	12.0 U	12.0 U	12.0 U
2-Hexanone	UG/KG	11.0 U	12.0 U	12.0 U	12.0 U
Tetrachloroethene	UG/KG	11.0 U	12.0 U	12.0 U	12.0 U
1,1,2,2-Tetrachloroethane	UG/KG	11.0 U	12.0 U	12.0 U	12.0 U
Toluene	UG/KG	11.0 U	12.0 U	12.0 U	12.0 U
Chlorobenzene	UG/KG	11.0 U	12.0 U	12.0 U	12.0 U
Ethylbenzene	UG/KG	11.0 U	12.0 U	12.0 U	12.0 U
Styrene	UG/KG	11.0 U	12.0 U	12.0 U	12.0 U
Xylenes (total)	UG/KG	11.0 U	12.0 U	12.0 U	12.0 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 74)
 FORMER DISPOSAL / POTENTIAL DISPOSAL / FORMER PEST CONTROL AREA SUBSURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	74-GW05-04	74-GW07-01	74-GW07-02	74-GW08-03	74-GW08-06	
Laboratory Sample ID:	9401066-05	9402151-03A	9402151-04A	9402151-01A	9402151-02A	
Date Sampled:	01/11/94	02/18/94	02/18/94	02/18/94	02/18/94	
Percent Solids	91.2	81.7	82.8	80.1	86.2	
PESTICIDE/PCBS						
alpha-BHC	UG/KG	1.87 UJ	2.07 UJ	2.04 UJ	2.12 UJ	1.97 UJ
beta-BHC	UG/KG	1.87 UJ	2.07 UJ	2.04 UJ	2.12 UJ	1.97 UJ
delta-BHC	UG/KG	1.87 UJ	2.07 UJ	2.04 UJ	2.12 UJ	1.97 UJ
Lindane (gamma-BHC)	UG/KG	1.87 UJ	2.07 UJ	2.04 UJ	2.12 UJ	1.97 UJ
Heptachlor	UG/KG	1.87 UJ	2.07 UJ	2.04 UJ	2.12 UJ	1.97 UJ
Aldrin	UG/KG	1.87 UJ	2.07 UJ	2.04 UJ	2.12 UJ	1.97 UJ
Heptachlor epoxide	UG/KG	1.87 UJ	2.07 UJ	2.04 UJ	2.12 UJ	1.97 UJ
Endosulfan I	UG/KG	1.87 UJ	2.07 UJ	2.04 UJ	2.12 UJ	1.97 UJ
Dieldrin	UG/KG	3.63 UJ	4.03 UJ	3.96 UJ	4.12 UJ	3.83 UJ
4,4'-DDE	UG/KG	3.63 UJ	4.03 UJ	3.96 UJ	4.12 UJ	3.83 UJ
Endrin	UG/KG	3.63 UJ	4.03 UJ	3.96 UJ	4.12 UJ	3.83 UJ
Endosulfan II	UG/KG	3.63 UJ	4.03 UJ	3.96 UJ	4.12 UJ	3.83 UJ
4,4'-DDD	UG/KG	3.63 UJ	4.03 UJ	3.96 UJ	1.20 J	3.83 UJ
Endosulfan sulfate	UG/KG	3.63 UJ	4.03 UJ	3.96 UJ	4.12 UJ	3.83 UJ
4,4'-DDT	UG/KG	3.63 UJ	4.03 UJ	3.96 UJ	4.12 UJ	3.83 UJ
Methoxychlor	UG/KG	18.7 UJ	20.7 UJ	20.4 UJ	21.2 UJ	19.7 UJ
Endrin ketone	UG/KG	3.63 UJ	4.03 UJ	3.96 UJ	4.12 UJ	3.83 UJ
Endrin aldehyde	UG/KG	3.63 UJ	4.03 UJ	3.96 UJ	4.12 UJ	3.83 UJ
alpha-Chlordane	UG/KG	1.87 UJ	2.07 UJ	2.04 UJ	2.12 UJ	1.97 UJ
gamma-Chlordane	UG/KG	1.87 UJ	2.07 UJ	2.04 UJ	2.12 UJ	1.97 UJ
Toxaphene	UG/KG	187.0 UJ	207.0 UJ	204.0 UJ	212.0 UJ	197.0 UJ
Aroclor 1016	UG/KG	36.3 UJ	40.3 UJ	39.6 UJ	41.2 UJ	38.3 UJ
Aroclor 1221	UG/KG	73.6 UJ	81.7 UJ	80.4 UJ	83.8 UJ	77.7 UJ
Aroclor 1232	UG/KG	36.3 UJ	40.3 UJ	39.6 UJ	41.2 UJ	38.3 UJ
Aroclor 1242	UG/KG	36.3 UJ	40.3 UJ	39.6 UJ	41.2 UJ	38.3 UJ
Aroclor 1248	UG/KG	36.3 UJ	40.3 UJ	39.6 UJ	41.2 UJ	38.3 UJ
Aroclor 1254	UG/KG	36.3 UJ	40.3 UJ	39.6 UJ	41.2 UJ	38.3 UJ
Aroclor 1260	UG/KG	36.3 UJ	40.3 UJ	39.6 UJ	41.2 UJ	38.3 UJ

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 74)
 FORMER DISPOSAL / POTENTIAL DISPOSAL / FORMER PEST CONTROL AREA SUBSURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:
 Laboratory Sample ID:
 Date Sampled:
 Percent Solids

		MINIMUM NONDETECTED	MAXIMUM NONDETECTED	MINIMUM DETECTED	MAXIMUM DETECTED	LOCATION OF MAXIMUM DETECTED	FREQUENCY OF DETECTION
<u>SEMIVOLATILES</u>							
1,2-Dichlorobenzene	UG/KG	347 U	806 U	ND	ND		0/47
1,2,4-Trichlorobenzene	UG/KG	347 U	806 U	ND	ND		0/47
1,3-Dichlorobenzene	UG/KG	347 U	806 U	ND	ND		0/47
1,4-Dichlorobenzene	UG/KG	347 U	806 U	ND	ND		0/47
2-Chloronaphthalene	UG/KG	347 U	806 U	ND	ND		0/47
2-Chlorophenol	UG/KG	347 U	806 U	ND	ND		0/47
2-Methylnaphthalene	UG/KG	347 U	806 U	ND	ND		0/47
2-Methylphenol	UG/KG	347 U	806 U	ND	ND		0/47
2-Nitroaniline	UG/KG	842 U	2000 U	ND	ND		0/47
2-Nitrophenol	UG/KG	347 U	806 U	ND	ND		0/47
2,2'-oxybis-(1-chloropropane)	UG/KG	347 U	806 U	371 R	760 R	74-PDA-SB09-06	10/47
2,4-Dichlorophenol	UG/KG	347 U	806 U	ND	ND		0/47
2,4-Dimethylphenol	UG/KG	347 U	806 U	ND	ND		0/47
2,4-Dinitrophenol	UG/KG	842 U	2000 U	ND	ND		0/47
2,4-Dinitrotoluene	UG/KG	347 U	806 U	ND	ND		0/47
2,4,5-Trichlorophenol	UG/KG	842 U	2000 U	ND	ND		0/47
2,4,6-Trichlorophenol	UG/KG	347 U	806 U	ND	ND		0/47
2,6-Dinitrotoluene	UG/KG	347 U	806 U	ND	ND		0/47
3-Nitroaniline	UG/KG	842 U	2000 U	ND	ND		0/47
3,3'-Dichlorobenzidine	UG/KG	347 U	806 U	ND	ND		0/47
4-Bromophenyl-phenylether	UG/KG	347 U	806 U	ND	ND		0/47
4-Chloro-3-methylphenol	UG/KG	347 U	806 U	ND	ND		0/47
4-Chloroaniline	UG/KG	347 U	806 U	ND	ND		0/47
4-Chlorophenyl phenyl ether	UG/KG	347 U	806 U	ND	ND		0/47
4-Methylphenol	UG/KG	347 U	806 U	ND	ND		0/47
4-Nitroaniline	UG/KG	842 U	2000 U	ND	ND		0/47
4-Nitrophenol	UG/KG	842 U	2000 U	ND	ND		0/47
4,6-Dinitro-2-methylphenol	UG/KG	842 U	2000 U	ND	ND		0/47
Acenaphthene	UG/KG	347 U	806 U	ND	ND		0/47
Acenaphthylene	UG/KG	347 U	806 U	ND	ND		0/47
Anthracene	UG/KG	347 U	806 U	ND	ND		0/47
Benzo[a]anthracene	UG/KG	347 U	806 U	ND	ND		0/47
Benzo[a]pyrene	UG/KG	347 U	806 U	ND	ND		0/47

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 74)
 FORMER DISPOSAL / POTENTIAL DISPOSAL / FORMER PEST CONTROL AREA SUBSURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:
 Laboratory Sample ID:
 Date Sampled:
 Percent Solids

		MINIMUM NONDETECTED	MAXIMUM NONDETECTED	MINIMUM DETECTED	MAXIMUM DETECTED	LOCATION OF MAXIMUM DETECTED	FREQUENCY OF DETECTION
<u>SEMIVOLATILES Cont.</u>							
Benzo[b]fluoranthene	UG/KG	347 U	806 U	ND	ND		0/47
Benzo[g,h,i]perylene	UG/KG	347 U	806 U	ND	ND		0/47
Benzo[k]fluoranthene	UG/KG	347 U	806 U	ND	ND		0/47
bis(2-Chloroethoxy) methane	UG/KG	347 U	806 U	ND	ND		0/47
bis(2-Chloroethyl) ether	UG/KG	347 U	806 U	ND	ND		0/47
bis(2-Ethylhexyl)phthalate	UG/KG	347 U	806 U	37 J	240 J	74-GW08-03	8/47
Butyl benzyl phthalate	UG/KG	347 U	806 U	ND	ND		0/47
Carbazole	UG/KG	347 U	806 U	ND	ND		0/47
Chrysene	UG/KG	347 U	806 U	ND	ND		0/47
Dibenzofuran	UG/KG	347 U	806 U	ND	ND		0/47
Dibenz[a,h]anthracene	UG/KG	347 U	806 U	ND	ND		0/47
Diethylphthalate	UG/KG	347 U	806 U	874	874	74-PDA-SB06-04	1/47
Dimethyl phthalate	UG/KG	347 U	806 U	ND	ND		0/47
di-n-Butylphthalate	UG/KG	347 U	806 U	43 J	155 J	74-FPA-SB02-03	10/47
di-n-Octylphthalate	UG/KG	347 U	806 U	ND	ND		0/47
Fluoranthene	UG/KG	347 U	806 U	ND	ND		0/47
Fluorene	UG/KG	347 U	806 U	ND	ND		0/47
Hexachlorobenzene	UG/KG	347 U	806 U	ND	ND		0/47
Hexachlorobutadiene	UG/KG	347 U	806 U	ND	ND		0/47
Hexachlorocyclopentadiene	UG/KG	347 U	806 U	ND	ND		0/47
Hexachloroethane	UG/KG	347 U	806 U	ND	ND		0/47
Indeno[1,2,3-cd]pyrene	UG/KG	347 U	806 U	ND	ND		0/47
Isophorone	UG/KG	347 U	806 U	ND	ND		0/47
Naphthalene	UG/KG	347 U	806 U	ND	ND		0/47
Nitrobenzene	UG/KG	347 U	806 U	ND	ND		0/47
N-Nitroso-di-n-propylamine	UG/KG	347 U	806 U	ND	ND		0/47
N-nitrosodiphenylamine	UG/KG	347 U	806 U	ND	ND		0/47
Pentachlorophenol	UG/KG	842 U	2000 U	ND	ND		0/47
Phenanthrene	UG/KG	347 U	806 U	ND	ND		0/47
Phenol	UG/KG	347 U	806 U	ND	ND		0/47
Pyrene	UG/KG	347 U	806 U	ND	ND		0/47

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 74)
 FORMER DISPOSAL / POTENTIAL DISPOSAL / FORMER PEST CONTROL AREA SUBSURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:
 Laboratory Sample ID:
 Date Sampled:
 Percent Solids

		MINIMUM NONDETECTED	MAXIMUM NONDETECTED	MINIMUM DETECTED	MAXIMUM DETECTED	LOCATION OF MAXIMUM DETECTED	FREQUENCY OF DETECTION
VOLATILES							
Chloromethane	UG/KG	10 U	12 U	ND	ND		0/47
Bromomethane	UG/KG	10 U	12 U	ND	ND		0/47
Vinyl chloride	UG/KG	10 U	12 U	ND	ND		0/47
Chloroethane	UG/KG	10 U	12 U	ND	ND		0/47
Methylene chloride	UG/KG	10 U	15 U	190	190	74-FPA-SB04-04	1/47
Acetone	UG/KG	10.7 UJ	160 U	6 J	820	74-PDA-SB08-02	32/47
Carbon Disulfide	UG/KG	10 U	12 U	ND	ND		0/47
1,1-Dichloroethene	UG/KG	10 U	12 U	ND	ND		0/47
1,1-Dichloroethane	UG/KG	10 U	12 U	ND	ND		0/47
1,2-Dichloroethene(total)	UG/KG	10 U	12 U	ND	ND		0/47
Chloroform	UG/KG	10 U	12 U	ND	ND		0/47
1,2-Dichloroethane	UG/KG	10 U	12 U	ND	ND		0/47
2-Butanone	UG/KG	10 U	12 U	11 R	12 R	74-GW08-06	9/47
1,1,1-Trichloroethane	UG/KG	10 U	12 U	ND	ND		0/47
Carbon tetrachloride	UG/KG	10 U	12 U	ND	ND		0/47
Bromodichloromethane	UG/KG	10 U	12 U	ND	ND		0/47
1,2-Dichloropropane	UG/KG	10 U	12 U	ND	ND		0/47
cis-1,3-Dichloropropene	UG/KG	10 U	12 U	ND	ND		0/47
Trichloroethene	UG/KG	10 U	12 U	ND	ND		0/47
Dibromochloromethane	UG/KG	10 U	12 U	ND	ND		0/47
1,1,2-Trichloroethane	UG/KG	10 U	12 U	ND	ND		0/47
Benzene	UG/KG	10 U	12 U	ND	ND		0/47
trans-1,3-Dichloropropene	UG/KG	10 U	12 U	ND	ND		0/47
Bromoform	UG/KG	10 U	12 U	ND	ND		0/47
4-Methyl-2-pentanone	UG/KG	10 U	12 U	ND	ND		0/47
2-Hexanone	UG/KG	10 U	12 U	10.7 R	10.7 R	74-GW03A-04	1/47
Tetrachloroethene	UG/KG	10 U	12 U	ND	ND		0/47
1,1,2,2-Tetrachloroethane	UG/KG	10 U	12 U	ND	ND		0/47
Toluene	UG/KG	10 U	12 U	ND	ND		0/47
Chlorobenzene	UG/KG	10 U	12 U	ND	ND		0/47
Ethylbenzene	UG/KG	10 U	12 U	ND	ND		0/47
Styrene	UG/KG	10 U	12 U	ND	ND		0/47
Xylenes (total)	UG/KG	10 U	12 U	ND	ND		0/47

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 74)
 FORMER DISPOSAL / POTENTIAL DISPOSAL / FORMER PEST CONTROL AREA SUBSURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:
 Laboratory Sample ID:
 Date Sampled:
 Percent Solids

		MINIMUM NONDETECTED	MAXIMUM NONDETECTED	MINIMUM DETECTED	MAXIMUM DETECTED	LOCATION OF MAXIMUM DETECTED	FREQUENCY OF DETECTION
PESTICIDE/PCBS							
alpha-BHC	UG/KG	1.79 UJ	2.12 UJ	ND	ND		0/47
beta-BHC	UG/KG	1.79 UJ	2.12 UJ	ND	ND		0/47
delta-BHC	UG/KG	1.79 UJ	2.12 UJ	ND	ND		0/47
Lindane (gamma-BHC)	UG/KG	1.79 UJ	2.12 UJ	ND	ND		0/47
Heptachlor	UG/KG	1.79 U	2.12 UJ	0.24 J	1.59 J	74-GW03A-04	3/47
Aldrin	UG/KG	1.79 U	2.12 UJ	0.4 J	0.4 J	74-PDA-SB09-06	1/47
Heptachlor epoxide	UG/KG	1.79 U	2.12 UJ	0.33 J	0.33 J	74-PDA-SB08-02	1/47
Endosulfan I	UG/KG	1.79 U	2.12 UJ	ND	ND		0/47
Dieldrin	UG/KG	3.47 U	4.12 UJ	ND	ND		0/47
4,4'-DDE	UG/KG	3.47 U	4.12 UJ	1.05 NJ	21.3 J	74-FPA-SB03-03	5/47
Endrin	UG/KG	3.47 U	4.12 UJ	ND	ND		0/47
Endosulfan II	UG/KG	3.47 U	4.12 UJ	ND	ND		0/47
4,4'-DDD	UG/KG	3.47 UJ	4.03 UJ	0.59 J	3.61 J	74-PDA-SB06-04	5/47
Endosulfan sulfate	UG/KG	3.47 U	4.12 UJ	ND	ND		0/47
4,4'-DDT	UG/KG	3.47 UJ	4.12 UJ	0.34 NJ	21.37 J	74-PDA-SB06-02	9/47
Methoxychlor	UG/KG	17.9 U	21.2 UJ	7.06 J	7.06 J	74-FPA-SB01-03	1/47
Endrin ketone	UG/KG	3.47 U	4.12 UJ	ND	ND		0/47
Endrin aldehyde	UG/KG	3.47 U	4.12 UJ	0.48 NJ	0.77 NJ	74-GW03A-03	2/47
alpha-Chlordane	UG/KG	1.79 U	2.12 UJ	ND	ND		0/47
gamma-Chlordane	UG/KG	1.79 U	2.12 UJ	ND	ND		0/47
Toxaphene	UG/KG	179 U	212 UJ	ND	ND		0/47
Aroclor 1016	UG/KG	34.7 U	41.2 UJ	ND	ND		0/47
Aroclor 1221	UG/KG	70.5 U	83.8 UJ	ND	ND		0/47
Aroclor 1232	UG/KG	34.7 U	41.2 UJ	ND	ND		0/47
Aroclor 1242	UG/KG	34.7 U	41.2 UJ	ND	ND		0/47
Aroclor 1248	UG/KG	34.7 U	41.2 UJ	ND	ND		0/47
Aroclor 1254	UG/KG	34.7 U	41.2 UJ	ND	ND		0/47
Aroclor 1260	UG/KG	34.7 U	41.2 UJ	ND	ND		0/47

APPENDIX O.21
**SITE 74 FORMER DISPOSAL/POTENTIAL DISPOSAL/
FORMER PEST CONTROL AREA SUBSURFACE SOIL INORGANICS**

FREQUENCY OF DETECTION SUMMARY
OPERABLE UNIT NO. 4 (SITE 74)
FORMER DISPOSAL / POTENTIAL DISPOSAL / FORMER PEST CONTROL AREA SUBSURFACE SOIL
MCB CAMP LEJEUNE, NORTH CAROLINA
REMEDIAL INVESTIGATION - CTO-0212
TAL INORGANICS

Client Sample ID:	74-PDA-SB01-01	74-PDA-SB01-02	74-PDA-SB02-01	74-PDA-SB02-03	74-PDA-SB03-02	74-PDA-SB03-04
Laboratory Sample ID:	9402181-02	9402181-03	9402181-05	9402181-06	9402181-08	9402181-09
Date Sampled:	02/19/94	02/19/94	02/19/94	02/19/94	02/19/94	02/19/94
Percent Solids	89.8	84.9	89.3	85.4	89.0	81.6

	<u>UNITS</u>					
Aluminum	MG/KG	5000.0	2470.0	7780.0	3440.0	6390.0
Antimony	MG/KG	1.69 U	1.79 U	1.70 U	1.78 U	1.71 U
Arsenic	MG/KG	0.490 U	0.518 U	0.606 J	2.76	1.46
Barium	MG/KG	5.82	2.92 U	9.58	3.47	6.80
Beryllium	MG/KG	0.169 U	0.179 U	0.179 U	0.178 U	0.171 U
Cadmium	MG/KG	0.710 U	0.751 U	0.714 U	0.747 U	0.717 U
Calcium	MG/KG	172.0	35.1 U	54.6	38.6	83.5
Chromium	MG/KG	6.06	3.79	8.55	3.75	6.17
Cobalt	MG/KG	3.56 U	3.77 U	3.58 U	3.75 U	3.60 U
Copper	MG/KG	3.63 U	3.84 U	3.65 U	3.82 U	3.66 U
Iron	MG/KG	1970.0	497.0	3090.0	1420.0	1860.0
Lead	MG/KG	3.38 J	2.54 J	5.08 J	2.61 J	4.15 J
Magnesium	MG/KG	94.5	61.6	204.0	77.6	143.0
Manganese	MG/KG	1.58 U	1.67 U	2.92	1.66 U	2.18
Mercury	MG/KG	0.056 U	0.059 U	0.056 U	0.058 U	0.056 U
Nickel	MG/KG	6.41 U	6.78 U	6.45 U	6.74 U	6.47 U
Potassium	MG/KG	170.0 U	180.0 U	171.0 U	179.0 U	171.0 U
Selenium	MG/KG	0.356 U	0.377 U	0.358 U	0.375 U	0.360 U
Silver	MG/KG	0.356 U	0.377 U	0.358 U	0.375 U	0.360 U
Sodium	MG/KG	82.0 U	86.7 U	82.4 U	86.2 U	82.7 U
Thallium	MG/KG	0.668 U	0.707 U	0.672 U	0.702 U	0.674 U
Vanadium	MG/KG	4.79	4.80 U	8.44	4.78 U	4.58 U
Zinc	MG/KG	2.69 U	2.84 U	3.30 U	2.48 U	3.83 U
Total Cyanide	MG/KG	1.11	1.18	1.12	1.17	1.12

FREQUENCY OF DETECTION SUMMARY
OPERABLE UNIT NO. 4 (SITE 74)
FORMER DISPOSAL / POTENTIAL DISPOSAL / FORMER PEST CONTROL AREA SUBSURFACE SOIL
MCB CAMP LEJEUNE, NORTH CAROLINA
REMEDIAL INVESTIGATION - CTO-0212
TAL INORGANICS

Client Sample ID:	74-PDA-SB04-05	74-PDA-SB05-02	74-PDA-SB05-03	74-PDA-SB06-02	74-PDA-SB06-04	74-PDA-SB07-01
Laboratory Sample ID:	9402181-11	9402182-02	9402182-03	9402182-06	9402182-07	9402179-04
Date Sampled:	02/19/94	02/19/94	02/19/94	02/19/94	02/19/94	02/20/94
Percent Solids	86.8	91.8	91.6	91.3	83.3	90.6
UNITS						
Aluminum	MG/KG	2110.0	887.0	2780.0	5450.0	7670.0
Antimony	MG/KG	1.97	1.66 U	1.66 U	1.66 U	1.68 U
Arsenic	MG/KG	0.507 U	0.479 U	1.74	0.482 U	0.778
Barium	MG/KG	2.86 U	4.34	2.71 U	5.06	2.98 U
Beryllium	MG/KG	0.175 U	0.166 U	0.166 U	0.166 U	0.182 U
Cadmium	MG/KG	0.735 U	0.695 U	0.696 U	0.699 U	0.704 U
Calcium	MG/KG	34.3 U	783.0	32.5 U	125.0	35.8 U
Chromium	MG/KG	3.21	1.81 U	1.81 U	4.88	2.00 U
Cobalt	MG/KG	3.69 U	3.48 U	3.49 U	3.50 U	3.84 U
Copper	MG/KG	3.76 U	3.55 U	3.56 U	3.57 U	3.91 U
Iron	MG/KG	382.0	326.0	1600.0	845.0	147.0
Lead	MG/KG	1.34 J	6.95	1.79	1.91	1.58
Magnesium	MG/KG	50.9	29.2	47.1	98.1	17.3 U
Manganese	MG/KG	1.63 U	21.7	1.54 U	2.15	1.70 U
Mercury	MG/KG	0.058 U	0.050 UJ	0.050 UJ	0.050 UJ	0.060 UJ
Nickel	MG/KG	6.64 U	6.27 U	6.29 U	6.31 U	6.91 U
Potassium	MG/KG	176.0 U	166.0 U	166.0 U	167.0 U	183.0 U
Selenium	MG/KG	0.369 U	0.348 U	0.349 U	0.350 U	0.384 U
Silver	MG/KG	0.369 U	0.348 U	0.349 U	0.350 U	0.384 U
Sodium	MG/KG	84.8 U	80.2 UJ	80.3 UJ	80.6 UJ	86.4 UJ
Thallium	MG/KG	0.691 U	0.654 U	0.655 U	0.657 U	0.720 U
Vanadium	MG/KG	4.70 U	4.44 U	5.09	4.47 U	4.90 U
Zinc	MG/KG	2.44 U	6.30	2.73	3.81	2.54 U
Total Cyanide	MG/KG	1.15	1.09	1.09	1.10	1.20

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 74)
 FORMER DISPOSAL / POTENTIAL DISPOSAL / FORMER PEST CONTROL AREA SUBSURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 TAL INORGANICS

Client Sample ID:	74-PDA-SB07-05	74-PDA-SB08-02	74-PDA-SB08-04	74-PDA-SB09-03	74-PDA-SB09-06	74-PDA-SB10-04
Laboratory Sample ID:	9402179-05	9402182-09	9402182-10	9402179-07	9402179-08	9402179-10
Date Sampled:	02/20/94	02/19/94	02/19/94	02/20/94	02/20/94	02/20/94
Percent Solids	91.4	94.6	89.0	95.5	87.9	91.4

	UNITS					
Aluminum	MG/KG	2300.0	2810.0	2840.0	349.0	1000.0
Antimony	MG/KG	1.66 U	1.61 U	1.71 U	1.59 U	1.73 U
Arsenic	MG/KG	0.481 U	0.465 U	0.494 U	0.461 U	0.500 U
Barium	MG/KG	3.24	4.69	2.79 U	2.60 U	2.82 U
Beryllium	MG/KG	0.166 U	0.161 U	0.171 U	0.159 U	0.173 U
Cadmium	MG/KG	0.698 U	0.674 U	0.717 U	0.668 U	0.726 U
Calcium	MG/KG	34.0	31.5 U	33.5 U	31.2 U	33.9 U
Chromium	MG/KG	3.25	2.03	3.78	2.94	2.35
Cobalt	MG/KG	3.50 U	3.38 U	3.60 U	3.35 U	3.64 U
Copper	MG/KG	3.57 U	3.45 U	3.66 U	3.41 U	3.71 U
Iron	MG/KG	380.0	676.0	400.0	208.0	254.0
Lead	MG/KG	1.60	1.82	0.796	1.03	1.05
Magnesium	MG/KG	58.8	49.5	45.2	19.0	26.1
Manganese	MG/KG	1.55 U	1.50 U	1.59 U	1.55	1.61 U
Mercury	MG/KG	0.055 U	0.050 UJ	0.060 UJ	0.052 U	0.057 U
Nickel	MG/KG	6.30 U	6.09 U	6.47 U	6.03 U	6.55 U
Potassium	MG/KG	167.0 U	161.0 U	171.0 U	160.0 U	174.0 U
Selenium	MG/KG	0.350 U	0.338 U	0.360 U	0.335 UJ	0.364 U
Silver	MG/KG	0.350 U	0.338 U	0.360 U	0.335 U	0.364 U
Sodium	MG/KG	80.5 U	77.8 UJ	82.7 UJ	77.1 U	83.7 U
Thallium	MG/KG	0.656 U	0.634 U	0.674 U	0.628 U	0.682 U
Vanadium	MG/KG	4.46 U	4.31 U	4.58 U	4.27 U	4.64 U
Zinc	MG/KG	4.08	2.54	2.97	2.22 U	2.41 U
Total Cyanide	MG/KG	1.09	1.06	1.12	1.05	1.14

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 74)
 FORMER DISPOSAL / POTENTIAL DISPOSAL / FORMER PEST CONTROL AREA SUBSURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 TAL INORGANICS

Client Sample ID:	74-PDA-SB10-08	74-FPA-SB01-03	74-FPA-SB01-07	74-FPA-SB02-03	74-FPA-SB02-06	74-FPA-SB03-03
Laboratory Sample ID:	9402179-11	9402179-13	9402179-14	9402179-16	9402179-17	9402180-03A
Date Sampled:	02/20/94	02/21/94	02/21/94	02/21/94	02/21/94	02/21/94
Percent Solids	92.7	90.1	89.6	85.5	84.8	87.3

	UNITS						
Aluminum	MG/KG	7560.0	5120.0	4160.0	8610.0	4850.0	8480.0
Antimony	MG/KG	1.64 U	1.69 U	1.70 U	1.78 U	1.79 U	1.74 UJ
Arsenic	MG/KG	0.475 U	0.874	0.491 U	0.515 U	0.519 U	0.564 J
Barium	MG/KG	8.96	5.26	5.08	13.1	5.24	11.1
Beryllium	MG/KG	0.164 U	0.169 U	0.170 U	0.178 U	0.179 U	0.174 U
Cadmium	MG/KG	0.688 U	0.708 U	0.712 U	0.746 U	0.752 U	0.731 U
Calcium	MG/KG	44.2	102.0	208.0	714.0	280.0	496.0
Chromium	MG/KG	6.66	5.17	5.00	9.91	6.11	7.62
Cobalt	MG/KG	3.45 U	3.55 U	3.57 U	3.74 U	3.77 U	3.66 U
Copper	MG/KG	3.52 U	3.62 U	3.64 U	3.81 U	3.84 U	3.73 U
Iron	MG/KG	1320.0	1210.0	653.0	2770.0	952.0	3100.0
Lead	MG/KG	1.02	3.08	2.43	5.06	1.85	3.13
Magnesium	MG/KG	207.0	131.0	102.0	191.0	103.0	215.0
Manganese	MG/KG	4.14	2.50	2.94	4.06	2.16	4.34
Mercury	MG/KG	0.054 U	0.055 U	0.056 U	0.058 U	0.059 U	0.057 U
Nickel	MG/KG	6.21 U	6.39 U	6.43 U	6.74 U	6.79 U	6.60 U
Potassium	MG/KG	302.0	169.0 U	170.0 U	178.0 U	180.0 U	191.0
Selenium	MG/KG	0.345 U	0.355 U	0.357 UJ	0.374 UJ	0.377 UJ	0.366 UJ
Silver	MG/KG	0.345 U	0.355 U	0.357 U	0.374 U	0.377 U	0.366 U
Sodium	MG/KG	79.4 U	81.7 U	82.1 U	86.1 U	86.8 U	84.3 UJ
Thallium	MG/KG	0.647 U	0.666 U	0.670 U	0.702 U	0.708 U	0.687 U
Vanadium	MG/KG	4.40 U	4.53 U	4.55 U	11.0	5.98	10.1
Zinc	MG/KG	4.08	3.55	3.19	3.86	3.25	4.92 U
Total Cyanide	MG/KG	1.08	1.11	1.12	1.17	1.18	1.14

FREQUENCY OF DETECTION SUMMARY
OPERABLE UNIT NO. 4 (SITE 74)
FORMER DISPOSAL / POTENTIAL DISPOSAL / FORMER PEST CONTROL AREA SUBSURFACE SOIL
MCB CAMP LEJEUNE, NORTH CAROLINA
REMEDIAL INVESTIGATION - CTO-0212
TAL INORGANICS

Client Sample ID:	74-FPA-SB03-06	74-FPA-SB04-04	74-FPA-SB04-08	74-FPA-SB05-03	74-FPA-SB05-06	74-FPA-SB06-03
Laboratory Sample ID:	9402180-04A	9402179-19	9402180-01A	9402180-06A	9402180-07A	9402180-10A
Date Sampled:	34386	02/21/94	02/21/94	02/20/94	02/21/94	02/20/94
Percent Solids	83	94.5	88.8	95.4	87.9	86.5

	UNITS						
Aluminum	MG/KG	5380	5030.0	3510.0	432.0	3720.0	8540.0
Antimony	MG/KG	1.83 UJ	1.61 U	1.71 UJ	1.59 UJ	1.73 UJ	1.76 UJ
Arsenic	MG/KG	0.53 UJ	1.23	0.495 UJ	0.461 UJ	0.500 UJ	0.861 J
Barium	MG/KG	4.05	6.88	10.0	2.60 U	2.92	14.1
Beryllium	MG/KG	0.183 U	0.161 U	0.171 U	0.159 U	0.173 U	0.176 U
Cadmium	MG/KG	0.769 U	0.675 U	0.718 U	0.669 U	0.726 U	0.738 U
Calcium	MG/KG	338	49.8	2250.0	31.2 U	33.9 U	745.0
Chromium	MG/KG	4.85	4.88	3.85	1.74 U	3.88	8.09
Cobalt	MG/KG	3.86 U	3.39 U	3.60 U	3.35 U	3.64 U	3.70 U
Copper	MG/KG	3.93 U	3.45 U	3.67 U	3.42 U	3.71 U	3.77 U
Iron	MG/KG	869	1400.0	1750.0	123.0	570.0	4940.0
Lead	MG/KG	2.35	2.19	7.42	1.20	1.45	4.62
Magnesium	MG/KG	114	135.0	133.0	15.4	85.9	184.0
Manganese	MG/KG	3.58	2.29	6.78	1.58	2.73	3.42
Mercury	MG/KG	0.06 U	0.053 U	0.056 U	0.052 U	0.057 U	0.058 U
Nickel	MG/KG	6.94 U	6.10 U	6.49 U	6.04 U	6.55 U	6.66 U
Potassium	MG/KG	184 U	161.0 U	172.0 U	160.0 U	174.0 U	176.0 U
Selenium	MG/KG	0.386 UJ	0.339 U	0.360 UJ	0.335 UJ	0.364 UJ	0.370 UJ
Silver	MG/KG	0.386 U	0.339 U	0.360 U	0.335 U	0.364 U	0.370 U
Sodium	MG/KG	88.7 UJ	77.9 U	82.9 UJ	77.1 UJ	83.7 UJ	85.1 UJ
Thallium	MG/KG	0.723 U	0.635 U	0.676 U	0.629 U	0.682 U	0.694 U
Vanadium	MG/KG	4.92 U	4.53	5.00	4.28 U	4.64 U	14.2
Zinc	MG/KG	3.52 U	3.04	11.9	2.84 U	3.88 U	4.58 U
Total Cyanide	MG/KG	1.2	1.06	1.13	1.05	1.14	1.16

FREQUENCY OF DETECTION SUMMARY
OPERABLE UNIT NO. 4 (SITE 74)
FORMER DISPOSAL / POTENTIAL DISPOSAL / FORMER PEST CONTROL AREA SUBSURFACE SOIL
MCB CAMP LEJEUNE, NORTH CAROLINA
REMEDIAL INVESTIGATION - CTO-0212
TAL INORGANICS

Client Sample ID:	74-FPA-SB06-05	74-FPA-SB07-03	74-FPA-SB07-07	74-FPA-SB08-03	74-FPA-SB08-07	74-FPA-SB09-04
Laboratory Sample ID:	9402180-11A	9402180-13A	9402180-14A	9402180-16A	9402180-17A	9402180-19A
Date Sampled:	02/20/94	02/20/94	02/20/94	02/20/94	02/20/94	02/20/94
Percent Solids	89.0	95.5	91.3	94.4	86.8	85.6

	<u>UNITS</u>					
Aluminum	MG/KG	3810.0	905.0	3110.0	1070.0	2760.0
Antimony	MG/KG	1.71 UJ	1.59 UJ	1.66 UJ	1.61 UJ	1.75 UJ
Arsenic	MG/KG	0.494 UJ	0.461 UJ	0.482 UJ	0.466 UJ	0.507 UJ
Barium	MG/KG	5.48	2.60 U	2.77	2.63 U	2.86 U
Beryllium	MG/KG	0.171 U	0.159 U	0.166 U	0.161 U	0.175 U
Cadmium	MG/KG	0.717 U	0.668 U	0.699 U	0.676 U	0.735 U
Calcium	MG/KG	264.0	31.2 U	32.6 U	31.6 U	34.3 U
Chromium	MG/KG	5.82	2.17	3.49	1.92	4.40
Cobalt	MG/KG	3.60 U	3.35 U	3.50 U	3.39 U	3.69 U
Copper	MG/KG	3.66 U	3.41 U	3.57 U	3.45 U	3.76 U
Iron	MG/KG	700.0	326.0	534.0	266.0	451.0
Lead	MG/KG	2.63	0.751	1.33	1.50	2.13
Magnesium	MG/KG	102.0	26.7	78.4	29.8	75.0
Manganese	MG/KG	3.42	2.06	3.42	2.44	4.23
Mercury	MG/KG	0.056	0.052 U	0.055 U	0.053 U	0.058 U
Nickel	MG/KG	6.47 U	6.03 U	6.31 U	6.10 U	6.64 U
Potassium	MG/KG	171.0 U	160.0 U	167.0 U	162.0 U	176.0 U
Selenium	MG/KG	0.360 UJ	0.335 UJ	0.350 UJ	0.339 UJ	0.369 UJ
Silver	MG/KG	0.360 U	0.335 U	0.350 U	0.339 U	0.369 U
Sodium	MG/KG	82.7 UJ	77.1 UJ	80.6 UJ	78.0 UJ	84.8 UJ
Thallium	MG/KG	0.674 U	0.628 U	0.657 U	0.636 U	0.691 U
Vanadium	MG/KG	4.58 U	4.27 U	4.47 U	4.32 U	4.70 U
Zinc	MG/KG	4.23 U	2.67 U	2.78 U	2.70 U	3.67 U
Total Cyanide	MG/KG	1.12	1.05	1.10	1.06	1.15

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 74)
 FORMER DISPOSAL / POTENTIAL DISPOSAL / FORMER PEST CONTROL AREA SUBSURFACE SOIL
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 TAL INORGANICS

Client Sample ID:	74-FPA-SB09-07	74-GW03A-03	74-GW03A-04	74-GW04-03	74-GW04-05	74-GW05-01
Laboratory Sample ID:	9402180-20A	9401110-01	9401110-02	9401101-01	9401101-02	9401066-04
Date Sampled:	02/20/94	01/18/94	01/18/94	01/18/94	01/18/94	01/11/94
Percent Solids	84.8	90.4	83.4	87.8	88.8	91.0

	UNITS	74-FPA-SB09-07	74-GW03A-03	74-GW03A-04	74-GW04-03	74-GW04-05	74-GW05-01
Aluminum	MG/KG	9380.0	3630.0	1840.0	5310.0	2760.0	3260.0
Antimony	MG/KG	1.79 UJ	1.75 UJ	1.89 UJ	1.80 UJ	1.78 UJ	1.74 UJ
Arsenic	MG/KG	0.538 J	0.642 U	0.695 U	0.660 U	0.653 U	0.637 U
Barium	MG/KG	8.59	5.07	3.28 U	5.02	3.08 U	3.01 U
Beryllium	MG/KG	0.179 U	0.285 U	0.309 U	0.294 U	0.290 U	0.284 U
Cadmium	MG/KG	0.752 U	0.520 U	0.564 U	0.535 U	0.529 U	0.516 U
Calcium	MG/KG	40.7	27.6 U	30.0 U	28.5 U	28.2 U	111.0
Chromium	MG/KG	9.26	3.54	1.76 U	4.54	4.73	3.33
Cobalt	MG/KG	3.77 U	4.29 U	4.65 U	4.42 U	4.37 U	4.26 U
Copper	MG/KG	3.84 U	3.58 U	3.88 U	3.69 U	3.65 U	3.56 U
Iron	MG/KG	1630.0	393.0	243.0	1620.0	1020.0	370.0
Lead	MG/KG	2.74	2.02 J	1.18 J	3.18 J	2.71 J	2.99 J
Magnesium	MG/KG	250.0	76.9	29.0	94.4	51.2	31.0
Manganese	MG/KG	4.21	2.27	2.34	1.72	3.22	2.56
Mercury	MG/KG	0.059 U	0.055 UJ	0.060 UJ	0.057 UJ	0.056 UJ	0.055 R
Nickel	MG/KG	6.79 U	3.01 U	3.26 U	3.10 U	3.06 U	2.99 U
Potassium	MG/KG	197.0	127.0 U	138.0 U	322.0 U	217.0 U	65.9 U
Selenium	MG/KG	0.377 UJ	0.560 U	0.607 U	0.576 U	0.570 U	0.556 U
Silver	MG/KG	0.377 U	0.088 UJ	0.096 UJ	0.091 UJ	0.090 UJ	0.088 UJ
Sodium	MG/KG	86.8 UJ	42.0 UJ	45.6 UJ	43.3 UJ	42.8 UJ	41.8 UJ
Thallium	MG/KG	0.708 U	1.02 U	1.10 U	1.05 U	1.04 U	1.01 UJ
Vanadium	MG/KG	7.90	3.93	3.98 U	4.62	3.74 U	4.10
Zinc	MG/KG	6.00 U	2.60 U	2.24 U	3.16 U	2.90 U	3.26 U
Total Cyanide	MG/KG	1.18	1.11	1.20	1.14	1.13	1.10

FREQUENCY OF DETECTION SUMMARY
OPERABLE UNIT NO. 4 (SITE 74)
FORMER DISPOSAL / POTENTIAL DISPOSAL / FORMER PEST CONTROL AREA SUBSURFACE SOIL
MCB CAMP LEJEUNE, NORTH CAROLINA
REMEDIAL INVESTIGATION - CTO-0212
TAL INORGANICS

Client Sample ID:	74-GW05-04	74-GW07-01	74-GW07-02	74-GW08-03	74-GW08-06
Laboratory Sample ID:	9401066-05	9402151-03A	9402151-04A	9402151-01A	9402151-02A
Date Sampled:	01/11/94	02/18/94	02/18/94	02/18/94	02/18/94
Percent Solids	91.2	81.7	82.8	80.1	86.2

	UNITS				
Aluminum	MG/KG	2250.0	5640.0	4690.0	720.0
Antimony	MG/KG	1.73 UJ	1.86 UJ	1.84 UJ	1.90 UJ
Arsenic	MG/KG	0.636 U	0.540 U	0.530 U	0.550 U
Barium	MG/KG	3.00 U	4.48	6.48	3.10 U
Beryllium	MG/KG	0.283 U	0.186 U	0.184 U	0.190 U
Cadmium	MG/KG	0.515 U	0.781 U	0.770 U	0.796 U
Calcium	MG/KG	27.4 U	96.3	36.0 U	37.2 U
Chromium	MG/KG	2.38	4.47	3.44	2.07 U
Cobalt	MG/KG	4.25 U	3.92 U	3.86 U	4.00 U
Copper	MG/KG	3.55 U	3.99 U	3.94 U	4.07 U
Iron	MG/KG	399.0	920.0	1060.0	246.0
Lead	MG/KG	1.68 J	5.48 J	2.90 J	1.43 J
Magnesium	MG/KG	30.2	55.3	81.1	18.0 U
Manganese	MG/KG	1.15 U	2.33	1.71 U	1.77 U
Mercury	MG/KG	0.055 R	0.060 UJ	0.060 UJ	0.060 UJ
Nickel	MG/KG	2.98 U	7.10 U	7.00 U	7.20 U
Potassium	MG/KG	65.8 U	187.0 U	184.0 U	190.0 U
Selenium	MG/KG	0.555 U	0.818	0.386 U	0.400 U
Silver	MG/KG	0.088 UJ	0.392 U	0.386 U	0.400 U
Sodium	MG/KG	41.7 UJ	90.1 U	88.9 U	91.9 U
Thallium	MG/KG	1.01 U	0.734 U	0.725 U	0.749 U
Vanadium	MG/KG	3.64 U	6.59	5.59	5.09 U
Zinc	MG/KG	2.45 U	5.02	4.47	2.64 U
Total Cyanide	MG/KG	1.10	1.22	1.21	1.25

FREQUENCY OF DETECTION SUMMARY
OPERABLE UNIT NO. 4 (SITE 74)
FORMER DISPOSAL / POTENTIAL DISPOSAL / FORMER PEST CONTROL AREA SUBSURFACE SOIL
MCB CAMP LEJEUNE, NORTH CAROLINA
REMEDIAL INVESTIGATION - CTO-0212
TAL INORGANICS

Client Sample ID:
 Laboratory Sample ID:
 Date Sampled:
 Percent Solids

	MINIMUM	MAXIMUM	MINIMUM	MAXIMUM	LOCATION OF	FREQUENCY
	NONDETECTED	NONDETECTED	DETECTED	DETECTED	MAXIMUM	OF
					DETECTED	DETECTION
	<u>UNITS</u>					
Aluminum	NA	NA	349	9380	74-FPA-SB09-07	47/47
Antimony	1.59 U	1.9 UJ	1.9	1.97	74-PDA-SB04-05	2/47
Arsenic	0.461 U	0.695 U	0.538 J	2.76	74-PDA-SB02-03	10/47
Barium	2.6 U	3.28 U	2.77	17.5	74-PDA-SB07-01	29/47
Beryllium	0.159 U	0.309 U	ND	ND		0/47
Cadmium	0.515 U	0.796 U	ND	ND		0/47
Calcium	27.4 U	37.2 U	34	2250	74-FPA-SB04-08	23/47
Chromium	1.74 U	2.07 U	1.92	9.91	74-FPA-SB02-03	41/47
Cobalt	3.35 U	4.65 U	ND	ND		0/47
Copper	3.41 U	4.07 U	ND	ND		0/47
Iron	NA	NA	123	4940	74-FPA-SB06-03	47/47
Lead	NA	NA	0.751	7.42	74-FPA-SB04-08	47/47
Magnesium	17.3 U	18 U	15.4	250	74-FPA-SB09-07	45/47
Manganese	1.15 U	1.77 U	1.55	21.7	74-PDA-SB05-02	32/47
Mercury	0.05 UJ	0.061 U	0.055 R	0.056	74-GW04-05	3/47
Nickel	2.98 U	7.2 U	ND	ND		0/47
Potassium	65.8 U	322 U	191	302	74-PDA-SB10-08	4/47
Selenium	0.335 UJ	0.607 U	0.818	0.818	74-GW07-01	1/47
Silver	0.088 UJ	0.4 U	ND	ND		0/47
Sodium	41.7 UJ	91.9 U	ND	ND		0/47
Thallium	0.628 U	1.1 U	ND	ND		0/47
Vanadium	3.64 U	5.09 U	3.93	14.2	74-FPA-SB06-03	16/47
Zinc	2.22 U	6 U	2.51	11.9	74-FPA-SB04-08	18/47
Total Cyanide	NA	NA	1.05	1.25	74-GW08-03	47/47

APPENDIX O.22
SITE 74 GROUNDWATER ORGANICS

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 74)
 GROUNDWATER
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	74-GW01-01	74-GW02-01	74-GW03A-01	74-GW03A-02	74-GW04-01	74-GW05-01	
Laboratory Sample ID:	9402138-03	9402132-01	9402139-03	AB7973	9402138-01	9402137-01	
Date Sampled:	02/16/94	02/16/94	02/16/94	08/25/94	02/16/94	02/16/94	
	UNITS						
SEMIVOLATILES							
1,2-Dichlorobenzene	UG/L	11.6 U	11.8 U	12.8 U	NA	12.2 U	12.5 U
1,2,4-Trichlorobenzene	UG/L	11.6 U	11.8 U	12.8 U	NA	12.2 U	12.5 U
1,3-Dichlorobenzene	UG/L	11.6 U	11.8 U	12.8 U	NA	12.2 U	12.5 U
1,4-Dichlorobenzene	UG/L	11.6 U	11.8 U	12.8 U	NA	12.2 U	12.5 U
2-Chloronaphthalene	UG/L	11.6 U	11.8 U	12.8 U	NA	12.2 U	12.5 U
2-Chlorophenol	UG/L	11.6 U	11.8 U	12.8 U	NA	12.2 U	12.5 U
2-Methylnaphthalene	UG/L	11.6 U	11.8 U	12.8 U	NA	12.2 U	12.5 U
2-Methylphenol	UG/L	11.6 U	11.8 U	12.8 U	NA	12.2 U	12.5 U
2-Nitroaniline	UG/L	29.1 U	29.4 U	32.0 U	NA	30.5 U	31.2 U
2-Nitrophenol	UG/L	11.6 U	11.8 U	12.8 U	NA	12.2 U	12.5 U
2,2'-oxybis-(1-chloropropane)	UG/L	11.6 U	11.8 U	12.8 U	NA	12.2 U	12.5 U
2,4-Dichlorophenol	UG/L	11.6 U	11.8 U	12.8 U	NA	12.2 U	12.5 U
2,4-Dimethylphenol	UG/L	11.6 U	11.8 U	12.8 U	NA	12.2 U	12.5 U
2,4-Dinitrophenol	UG/L	29.1 U	29.4 U	32.0 U	NA	30.5 U	31.2 U
2,4-Dinitrotoluene	UG/L	11.6 U	11.8 U	12.8 U	NA	12.2 U	12.5 U
2,4,5-Trichlorophenol	UG/L	29.1 U	29.4 U	32.0 U	NA	30.5 U	31.2 U
2,4,6-Trichlorophenol	UG/L	11.6 U	11.8 U	12.8 U	NA	12.2 U	12.5 U
2,6-Dinitrotoluene	UG/L	11.6 U	11.8 U	12.8 U	NA	12.2 U	12.5 U
3-Nitroaniline	UG/L	29.1 UJ	29.4 UJ	32.0 UJ	NA	30.5 UJ	31.2 UJ
3,3'-Dichlorobenzidine	UG/L	11.6 U	11.8 U	12.8 U	NA	12.2 U	12.5 U
4-Bromophenyl-phenylether	UG/L	11.6 U	11.8 U	12.8 U	NA	12.2 U	12.5 U
4-Chloro-3-methylphenol	UG/L	11.6 U	11.8 U	12.8 U	NA	12.2 U	12.5 U
4-Chloroaniline	UG/L	11.6 U	11.8 U	12.8 U	NA	12.2 U	12.5 U
4-Chlorophenyl phenyl ether	UG/L	11.6 U	11.8 U	12.8 U	NA	12.2 U	12.5 U
4-Methylphenol	UG/L	11.6 U	11.8 U	12.8 U	NA	12.2 U	12.5 U
4-Nitroaniline	UG/L	29.1 U	29.4 U	32.0 U	NA	30.5 U	31.2 U
4-Nitrophenol	UG/L	29.1 U	29.4 U	32.0 U	NA	30.5 U	31.2 U
4,6-Dinitro-2-methylphenol	UG/L	29.1 U	29.4 U	32.0 U	NA	30.5 U	31.2 U
Acenaphthene	UG/L	11.6 U	11.8 U	12.8 U	NA	12.2 U	12.5 U
Acenaphthylene	UG/L	11.6 U	11.8 U	12.8 U	NA	12.2 U	12.5 U
Anthracene	UG/L	11.6 U	11.8 U	12.8 U	NA	12.2 U	12.5 U
Benzo[a]anthracene	UG/L	11.6 U	11.8 U	12.8 U	NA	12.2 U	12.5 U
Benzo[a]pyrene	UG/L	11.6 U	11.8 U	12.8 U	NA	12.2 U	12.5 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 74)
 GROUNDWATER
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	74-GW01-01	74-GW02-01	74-GW03A-01	74-GW03A-02	74-GW04-01	74-GW05-01
Laboratory Sample ID:	9402138-03	9402132-01	9402139-03	AB7973	9402138-01	9402137-01
Date Sampled:	02/16/94	02/16/94	02/16/94	08/25/94	02/16/94	02/16/94

UNITS

SEMIVOLATILES Cont.

Benzo[b]fluoranthene	UG/L	11.6 U	11.8 U	12.8 U	NA	12.2 U	12.5 U
Benzo[g,h,i]perylene	UG/L	11.6 U	11.8 U	12.8 U	NA	12.2 U	12.5 U
Benzo[k]fluoranthene	UG/L	11.6 U	11.8 U	12.8 U	NA	12.2 U	12.5 U
bis(2-Chloroethoxy) methane	UG/L	11.6 U	11.8 U	12.8 U	NA	12.2 U	12.5 U
bis(2-Chloroethyl) ether	UG/L	11.6 U	11.8 U	12.8 U	NA	12.2 U	12.5 U
bis(2-Ethylhexyl)phthalate	UG/L	11.6 U	11.8 U	12.8 U	NA	12.2 U	12.5 U
Butyl benzyl phthalate	UG/L	11.6 U	11.8 U	12.8 U	NA	12.2 U	12.5 U
Carbazole	UG/L	11.6 U	11.8 U	12.8 U	NA	12.2 U	12.5 U
Chrysene	UG/L	11.6 U	11.8 U	12.8 U	NA	12.2 U	12.5 U
Dibenzofuran	UG/L	11.6 U	11.8 U	12.8 U	NA	12.2 U	12.5 U
Dibenz[a,h]anthracene	UG/L	11.6 U	11.8 U	12.8 U	NA	12.2 U	12.5 U
Diethylphthalate	UG/L	11.6 U	11.8 U	12.8 U	NA	12.2 U	12.5 U
Dimethyl phthalate	UG/L	11.6 U	11.8 U	12.8 U	NA	12.2 U	12.5 U
di-n-Butylphthalate	UG/L	11.6 U	11.8 U	12.8 U	NA	2.00 J	12.5 U
di-n-Octylphthalate	UG/L	11.6 U	11.8 U	12.8 U	NA	12.2 U	12.5 U
Fluoranthene	UG/L	11.6 U	11.8 U	12.8 U	NA	12.2 U	12.5 U
Fluorene	UG/L	11.6 U	11.8 U	12.8 U	NA	12.2 U	12.5 U
Hexachlorobenzene	UG/L	11.6 U	11.8 U	12.8 U	NA	12.2 U	12.5 U
Hexachlorobutadiene	UG/L	11.6 U	11.8 U	12.8 U	NA	12.2 U	12.5 U
Hexachlorocyclopentadiene	UG/L	11.6 U	11.8 U	12.8 U	NA	12.2 U	12.5 U
Hexachloroethane	UG/L	11.6 U	11.8 U	12.8 U	NA	12.2 U	12.5 U
Indeno[1,2,3-cd]pyrene	UG/L	11.6 U	11.8 U	12.8 U	NA	12.2 U	12.5 U
Isophorone	UG/L	11.6 U	11.8 U	12.8 U	NA	12.2 U	12.5 U
Naphthalene	UG/L	11.6 U	11.8 U	12.8 U	NA	12.2 U	12.5 U
Nitrobenzene	UG/L	11.6 U	11.8 U	12.8 U	NA	12.2 U	12.5 U
N-Nitroso-di-n-propylamine	UG/L	11.6 U	11.8 U	12.8 U	NA	12.2 U	12.5 U
N-nitrosodiphenylamine	UG/L	11.6 U	11.8 U	12.8 U	NA	12.2 U	12.5 U
Pentachlorophenol	UG/L	29.1 U	29.4 U	32.0 U	NA	30.5 U	31.2 U
Phenanthrene	UG/L	11.6 U	11.8 U	12.8 U	NA	12.2 U	12.5 U
Phenol	UG/L	11.6 U	11.8 U	12.8 U	NA	12.2 U	12.5 U
Pyrene	UG/L	11.6 U	11.8 U	12.8 U	NA	12.2 U	12.5 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 74)
 GROUNDWATER
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	74-GW01-01	74-GW02-01	74-GW03A-01	74-GW03A-02	74-GW04-01	74-GW05-01
Laboratory Sample ID:	9402138-03	9402132-01	9402139-03	AB7973	9402138-01	9402137-01
Date Sampled:	02/16/94	02/16/94	02/16/94	08/25/94	02/16/94	02/16/94
	UNITS					
VOLATILES						
Chloromethane	UG/L	10.0 U	10.0 U	10.0 U	NA	10.0 U
Bromomethane	UG/L	10.0 U	10.0 U	10.0 U	NA	10.0 U
Vinyl chloride	UG/L	10.0 U	10.0 U	10.0 U	NA	10.0 U
Chloroethane	UG/L	10.0 U	10.0 U	10.0 U	NA	10.0 U
Methylene chloride	UG/L	10.0 U	10.0 U	10.0 U	NA	10.0 U
Acetone	UG/L	10.0 UJ	10.0 UJ	2.04 J	NA	10.0 UJ
Carbon Disulfide	UG/L	10.0 U	10.0 U	10.0 U	NA	10.0 U
1,1-Dichloroethene	UG/L	10.0 U	10.0 U	10.0 U	NA	10.0 U
1,1-Dichloroethane	UG/L	10.0 U	10.0 U	10.0 U	NA	10.0 U
1,2-Dichloroethene(total)	UG/L	10.0 U	10.0 U	10.0 U	NA	10.0 U
Chloroform	UG/L	10.0 U	10.0 U	10.0 U	NA	10.0 U
1,2-Dichloroethane	UG/L	10.0 U	10.0 U	10.0 U	NA	10.0 U
2-Butanone	UG/L	10.0 U	10.0 U	10.0 U	NA	10.0 U
1,1,1-Trichloroethane	UG/L	10.0 U	10.0 U	10.0 U	NA	10.0 U
Carbon tetrachloride	UG/L	10.0 U	10.0 U	10.0 U	NA	10.0 U
Bromodichloromethane	UG/L	10.0 U	10.0 U	10.0 U	NA	10.0 U
1,2-Dichloropropane	UG/L	10.0 U	10.0 U	10.0 U	NA	10.0 U
cis-1,3-Dichloropropene	UG/L	10.0 U	10.0 U	10.0 U	NA	10.0 U
Trichloroethene	UG/L	10.0 U	10.0 U	10.0 U	NA	10.0 U
Dibromochloromethane	UG/L	10.0 U	10.0 U	10.0 U	NA	10.0 U
1,1,2-Trichloroethane	UG/L	10.0 U	10.0 U	10.0 U	NA	10.0 U
Benzene	UG/L	10.0 U	10.0 U	10.0 U	NA	10.0 U
trans-1,3-Dichloropropene	UG/L	10.0 U	10.0 U	10.0 U	NA	10.0 U
Bromoform	UG/L	10.0 U	10.0 U	10.0 U	NA	10.0 U
4-Methyl-2-pentanone	UG/L	10.0 U	10.0 U	10.0 U	NA	10.0 U
2-Hexanone	UG/L	10.0 U	10.0 U	10.0 U	NA	10.0 U
Tetrachloroethene	UG/L	10.0 U	10.0 U	10.0 U	NA	10.0 U
1,1,2,2-Tetrachloroethane	UG/L	10.0 U	10.0 U	10.0 U	NA	10.0 U
Toluene	UG/L	10.0 U	10.0 U	10.0 U	NA	10.0 U
Chlorobenzene	UG/L	10.0 U	10.0 U	10.0 U	NA	10.0 U
Ethylbenzene	UG/L	10.0 U	10.0 U	10.0 U	NA	10.0 U
Styrene	UG/L	10.0 U	10.0 U	10.0 U	NA	10.0 U
Xylenes (total)	UG/L	10.0 U	10.0 U	10.0 U	NA	10.0 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 74)
 GROUNDWATER
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	74-GW01-01	74-GW02-01	74-GW03A-01	74-GW03A-02	74-GW04-01	74-GW05-01	
Laboratory Sample ID:	9402138-03	9402132-01	9402139-03	AB7973	9402138-01	9402137-01	
Date Sampled:	02/16/94	02/16/94	02/16/94	08/25/94	02/16/94	02/16/94	
	UNITS						
PESTICIDE/PCBS							
alpha-BHC	UG/L	0.065 UJ	0.060 UJ	NA	0.05 U	0.060 UJ	0.065 R
beta-BHC	UG/L	0.065 UJ	0.060 UJ	NA	0.05 U	0.060 UJ	0.065 R
delta-BHC	UG/L	0.065 UJ	0.060 UJ	NA	0.05 U	0.060 UJ	0.065 R
Lindane (gamma-BHC)	UG/L	0.065 UJ	0.060 UJ	NA	0.05 U	0.060 UJ	0.065 R
Heptachlor	UG/L	0.010 NJ	0.060 UJ	NA	0.05 U	0.060 UJ	0.065 R
Aldrin	UG/L	0.065 UJ	0.060 UJ	NA	0.05 U	0.060 UJ	0.065 R
Heptachlor epoxide	UG/L	0.065 UJ	0.060 UJ	NA	0.05 U	0.060 UJ	0.065 R
Endosulfan I	UG/L	0.065 UJ	0.060 UJ	NA	0.05 U	0.060 UJ	0.065 R
Dieldrin	UG/L	0.130 UJ	0.120 UJ	NA	0.1 U	0.120 UJ	0.13 R
4,4'-DDE	UG/L	0.130 UJ	0.120 UJ	NA	0.1 U	0.120 UJ	0.13 R
Endrin	UG/L	0.130 UJ	0.120 UJ	NA	0.1 U	0.120 UJ	0.13 R
Endosulfan II	UG/L	0.130 UJ	0.120 UJ	NA	0.1 U	0.120 UJ	0.13 R
4,4'-DDD	UG/L	0.130 UJ	0.120 UJ	NA	0.1 U	0.120 UJ	0.13 R
Endosulfan sulfate	UG/L	0.130 UJ	0.120 UJ	NA	0.1 U	0.120 UJ	0.13 R
4,4'-DDT	UG/L	0.130 UJ	0.120 UJ	NA	0.1 U	0.120 UJ	0.13 R
Methoxychlor	UG/L	0.650 UJ	0.600 UJ	NA	0.5 U	0.600 UJ	0.65 R
Endrin ketone	UG/L	0.130 UJ	0.120 UJ	NA	0.1 U	0.120 UJ	0.13 R
Endrin aldehyde	UG/L	0.130 UJ	0.120 UJ	NA	0.1 U	0.120 UJ	0.13 R
alpha-Chlordane	UG/L	0.065 UJ	0.060 UJ	NA	0.05 U	0.060 UJ	0.065 R
gamma-Chlordane	UG/L	0.065 UJ	0.060 UJ	NA	0.05 U	0.060 UJ	0.065 R
Toxaphene	UG/L	6.50 UJ	6.00 UJ	NA	5 U	6.00 UJ	6.5 R
Aroclor 1016	UG/L	1.30 UJ	1.20 UJ	NA	1 U	1.20 UJ	1.3 R
Aroclor 1221	UG/L	2.60 UJ	2.40 UJ	NA	2 U	2.40 UJ	2.6 R
Aroclor 1232	UG/L	1.30 UJ	1.20 UJ	NA	1 U	1.20 UJ	1.3 R
Aroclor 1242	UG/L	1.30 UJ	1.20 UJ	NA	1 U	1.20 UJ	1.3 R
Aroclor 1248	UG/L	1.30 UJ	1.20 UJ	NA	1 U	1.20 UJ	1.3 R
Aroclor 1254	UG/L	1.30 UJ	1.20 UJ	NA	1 U	1.20 UJ	1.3 R
Aroclor 1260	UG/L	1.30 UJ	1.20 UJ	NA	1 U	1.20 UJ	1.3 R

FREQUENCY OF DETECTION SUMMARY
OPERABLE UNIT NO. 4 (SITE 74)
GROUNDWATER
MCB CAMP LEJEUNE, NORTH CAROLINA
REMEDIAL INVESTIGATION - CTO-0212
ORGANICS

	74-GW01-01	74-GW02-01	74-GW03A-01	74-GW03A-02	74-GW04-01	74-GW05-01
Client Sample ID:	74-GW01-01	74-GW02-01	74-GW03A-01	74-GW03A-02	74-GW04-01	74-GW05-01
Laboratory Sample ID:	9402138-03	9402132-01	9402139-03	AB7973	9402138-01	9402137-01
Date Sampled:	02/16/94	02/16/94	02/16/94	08/25/94	02/16/94	02/16/94
	UNITS					
CHEMICAL SURETY						
Acetophenone	UG/L	11.6 U	11.8 U	12.8 U	NA	12.2 U
Chloroacetophenone	UG/L	11.6 U	11.8 U	12.8 U	NA	12.2 U
Hydroxyacetophenone	UG/L	58.2 U	58.8 U	64.1 U	NA	61.0 U
Bis(2'-chloroethyl)disulfide	UG/L	58.2 U	58.8 U	64.1 U	NA	61.0 U
Bis(2'-chloroethyl)trisulfide	UG/L	58.2 U	58.8 U	64.1 U	NA	61.0 U
1,4-Dithiane	UG/L	11.6 U	11.8 U	12.8 U	NA	12.2 U
1,4-Oxathiane	UG/L	11.6 U	11.8 U	12.8 U	NA	12.2 U
THIODIGLYCOL						
Thiodiglycol	UG/L	25.0 U	25.0 U	25.0 U	NA	25.0 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 74)
 GROUNDWATER
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	74-GW06-01	74-GW07-01	74-GW07-02	74-GW08-01	
Laboratory Sample ID:	9402140-01	9402198-01A	AB7979	9402198-03A	
Date Sampled:	02/16/94	02/22/94	08/26/94	02/22/94	
	UNITS				
SEMIVOLATILES					
1,2-Dichlorobenzene	UG/L	11.9 U	12.5 U	NA	12.5 U
1,2,4-Trichlorobenzene	UG/L	11.9 U	12.5 U	NA	12.5 U
1,3-Dichlorobenzene	UG/L	11.9 U	12.5 U	NA	12.5 U
1,4-Dichlorobenzene	UG/L	11.9 U	12.5 U	NA	12.5 U
2-Chloronaphthalene	UG/L	11.9 U	12.5 U	NA	12.5 U
2-Chlorophenol	UG/L	11.9 U	12.5 U	NA	12.5 U
2-Methylnaphthalene	UG/L	11.9 U	12.5 U	NA	12.5 U
2-Methylphenol	UG/L	11.9 U	12.5 U	NA	12.5 U
2-Nitroaniline	UG/L	29.8 U	31.0 U	NA	31.2 U
2-Nitrophenol	UG/L	11.9 U	12.5 U	NA	12.5 U
2,2'-oxybis-(1-chloropropane)	UG/L	11.9 U	12.5 U	NA	12.5 U
2,4-Dichlorophenol	UG/L	11.9 U	12.5 U	NA	12.5 U
2,4-Dimethylphenol	UG/L	11.9 U	12.5 U	NA	12.5 U
2,4-Dinitrophenol	UG/L	29.8 U	31.0 U	NA	31.2 U
2,4-Dinitrotoluene	UG/L	11.9 U	12.5 U	NA	12.5 U
2,4,5-Trichlorophenol	UG/L	29.8 U	31.0 U	NA	31.2 U
2,4,6-Trichlorophenol	UG/L	11.9 U	12.5 U	NA	12.5 U
2,6-Dinitrotoluene	UG/L	11.9 U	12.5 U	NA	12.5 U
3-Nitroaniline	UG/L	29.8 U	31.0 U	NA	31.2 U
3,3'-Dichlorobenzidine	UG/L	11.9 U	12.5 U	NA	12.5 U
4-Bromophenyl-phenylether	UG/L	11.9 U	12.5 U	NA	12.5 U
4-Chloro-3-methylphenol	UG/L	11.9 U	12.5 U	NA	12.5 U
4-Chloroaniline	UG/L	11.9 U	12.5 U	NA	12.5 U
4-Chlorophenyl phenyl ether	UG/L	11.9 U	12.5 U	NA	12.5 U
4-Methylphenol	UG/L	11.9 U	12.5 U	NA	12.5 U
4-Nitroaniline	UG/L	29.8 U	31.0 U	NA	31.2 U
4-Nitrophenol	UG/L	29.8 U	31.0 U	NA	31.2 U
4,6-Dinitro-2-methylphenol	UG/L	29.8 U	31.0 U	NA	31.2 U
Acenaphthene	UG/L	11.9 U	12.5 U	NA	12.5 U
Acenaphthylene	UG/L	11.9 U	12.5 U	NA	12.5 U
Anthracene	UG/L	11.9 U	12.5 U	NA	12.5 U
Benzo[a]anthracene	UG/L	11.9 U	12.5 U	NA	12.5 U
Benzo[a]pyrene	UG/L	11.9 U	12.5 U	NA	12.5 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 74)
 GROUNDWATER
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	74-GW06-01	74-GW07-01	74-GW07-02	74-GW08-01
Laboratory Sample ID:	9402140-01	9402198-01A	AB7979	9402198-03A
Date Sampled:	02/16/94	02/22/94	08/26/94	02/22/94

UNITS

SEMIVOLATILES Cont.

Benzo[b]fluoranthene	UG/L	11.9 U	12.5 U	NA	12.5 U
Benzo[g,h,i]perylene	UG/L	11.9 U	12.5 U	NA	12.5 U
Benzo[k]fluoranthene	UG/L	11.9 U	12.5 U	NA	12.5 U
bis(2-Chloroethoxy) methane	UG/L	11.9 U	12.5 U	NA	12.5 U
bis(2-Chloroethyl) ether	UG/L	11.9 U	12.5 U	NA	12.5 U
bis(2-Ethylhexyl)phthalate	UG/L	11.9 U	12.5 U	NA	12.5 U
Butyl benzyl phthalate	UG/L	11.9 U	12.5 U	NA	12.5 U
Carbazole	UG/L	11.9 U	12.5 U	NA	12.5 U
Chrysene	UG/L	11.9 U	12.5 U	NA	12.5 U
Dibenzofuran	UG/L	11.9 U	12.5 U	NA	12.5 U
Dibenz[a,h]anthracene	UG/L	11.9 U	12.5 U	NA	12.5 U
Diethylphthalate	UG/L	11.9 U	12.5 U	NA	12.5 U
Dimethyl phthalate	UG/L	11.9 U	12.5 U	NA	12.5 U
di-n-Butylphthalate	UG/L	11.9 U	12.00 U	NA	12.00 U
di-n-Octylphthalate	UG/L	11.9 U	12.5 U	NA	12.5 U
Fluoranthene	UG/L	11.9 U	12.5 U	NA	12.5 U
Fluorene	UG/L	11.9 U	12.5 U	NA	12.5 U
Hexachlorobenzene	UG/L	11.9 U	12.5 U	NA	12.5 U
Hexachlorobutadiene	UG/L	11.9 U	12.5 U	NA	12.5 U
Hexachlorocyclopentadiene	UG/L	11.9 U	12.5 U	NA	12.5 U
Hexachloroethane	UG/L	11.9 U	12.5 U	NA	12.5 U
Indeno[1,2,3-cd]pyrene	UG/L	11.9 U	12.5 U	NA	12.5 U
Isophorone	UG/L	11.9 U	12.5 U	NA	12.5 U
Naphthalene	UG/L	11.9 U	12.5 U	NA	12.5 U
Nitrobenzene	UG/L	11.9 U	12.5 U	NA	12.5 U
N-Nitroso-di-n-propylamine	UG/L	11.9 U	12.5 U	NA	12.5 U
N-nitrosodiphenylamine	UG/L	11.9 U	12.5 U	NA	12.5 U
Pentachlorophenol	UG/L	29.8 U	31.0 U	NA	31.2 U
Phenanthrene	UG/L	11.9 U	12.5 U	NA	12.5 U
Phenol	UG/L	11.9 U	12.5 U	NA	12.5 U
Pyrene	UG/L	11.9 U	12.5 U	NA	12.5 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 74)
 GROUNDWATER
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	74-GW06-01	74-GW07-01	74-GW07-02	74-GW08-01	
Laboratory Sample ID:	9402140-01	9402198-01A	AB7979	9402198-03A	
Date Sampled:	02/16/94	02/22/94	08/26/94	02/22/94	
	UNITS				
<u>VOLATILES</u>					
Chloromethane	UG/L	10.0 U	10.0 U	NA	10.0 U
Bromomethane	UG/L	10.0 U	10.0 U	NA	10.0 U
Vinyl chloride	UG/L	10.0 U	10.0 U	NA	10.0 U
Chloroethane	UG/L	10.0 U	10.0 U	NA	10.0 U
Methylene chloride	UG/L	10.00 U	10.00 U	NA	10.00 U
Acetone	UG/L	10.0 UJ	2.00 J	NA	10.00 U
Carbon Disulfide	UG/L	10.0 U	10.0 U	NA	10.0 U
1,1-Dichloroethene	UG/L	10.0 U	10.0 U	NA	10.0 U
1,1-Dichloroethane	UG/L	10.0 U	10.0 U	NA	10.0 U
1,2-Dichloroethene(total)	UG/L	10.0 U	10.0 U	NA	10.0 U
Chloroform	UG/L	10.0 U	10.0 U	NA	10.0 U
1,2-Dichloroethane	UG/L	10.0 U	10.0 U	NA	10.0 U
2-Butanone	UG/L	10.0 U	10.0 U	NA	10.0 U
1,1,1-Trichloroethane	UG/L	10.0 U	10.0 U	NA	10.0 U
Carbon tetrachloride	UG/L	10.0 U	10.0 U	NA	10.0 U
Bromodichloromethane	UG/L	10.0 U	10.0 U	NA	10.0 U
1,2-Dichloropropane	UG/L	10.0 U	10.0 U	NA	10.0 U
cis-1,3-Dichloropropene	UG/L	10.0 U	10.0 U	NA	10.0 U
Trichloroethene	UG/L	10.0 U	10.0 U	NA	10.0 U
Dibromochloromethane	UG/L	10.0 U	10.0 U	NA	10.0 U
1,1,2-Trichloroethane	UG/L	10.0 U	10.0 U	NA	10.0 U
Benzene	UG/L	10.0 U	10.0 U	NA	10.0 U
trans-1,3-Dichloropropene	UG/L	10.0 U	10.0 U	NA	10.0 U
Bromoform	UG/L	10.0 U	10.0 U	NA	10.0 U
4-Methyl-2-pentanone	UG/L	10.0 U	10.0 U	NA	10.0 U
2-Hexanone	UG/L	10.0 U	10.0 UJ	NA	10.0 U
Tetrachloroethene	UG/L	10.0 U	10.0 U	NA	10.0 U
1,1,2,2-Tetrachloroethane	UG/L	10.0 U	10.0 U	NA	10.0 U
Toluene	UG/L	10.0 U	10.0 U	NA	10.0 U
Chlorobenzene	UG/L	10.0 U	10.0 U	NA	10.0 U
Ethylbenzene	UG/L	10.0 U	10.0 U	NA	10.0 U
Styrene	UG/L	10.0 U	10.0 U	NA	10.0 U
Xylenes (total)	UG/L	10.0 U	10.0 U	NA	10.0 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 74)
 GROUNDWATER
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	74-GW06-01	74-GW07-01	74-GW07-02	74-GW08-01	
Laboratory Sample ID:	9402140-01	9402198-01A	AB7979	9402198-03A	
Date Sampled:	02/16/94	02/22/94	08/26/94	02/22/94	
	UNITS				
PESTICIDE/PCBS					
alpha-BHC	UG/L	0.055 UJ	NA	0.05 U	0.060 UJ
beta-BHC	UG/L	0.055 UJ	NA	0.05 U	0.060 UJ
delta-BHC	UG/L	0.055 UJ	NA	0.05 U	0.060 UJ
Lindane (gamma-BHC)	UG/L	0.055 UJ	NA	0.05 U	0.040 J
Heptachlor	UG/L	0.055 UJ	NA	0.05 U	0.060 UJ
Aldrin	UG/L	0.055 UJ	NA	0.05 U	0.060 UJ
Heptachlor epoxide	UG/L	0.055 UJ	NA	0.05 U	0.060 UJ
Endosulfan I	UG/L	0.055 UJ	NA	0.05 U	0.060 UJ
Dieldrin	UG/L	0.110 UJ	NA	0.1 U	0.120 UJ
4,4'-DDE	UG/L	0.110 UJ	NA	0.1 U	0.120 UJ
Endrin	UG/L	0.110 UJ	NA	0.1 U	0.120 UJ
Endosulfan II	UG/L	0.110 UJ	NA	0.1 U	0.020 J
4,4'-DDD	UG/L	0.110 UJ	NA	0.1 U	0.120 UJ
Endosulfan sulfate	UG/L	0.110 UJ	NA	0.1 U	0.120 UJ
4,4'-DDT	UG/L	0.110 UJ	NA	0.1 U	0.120 UJ
Methoxychlor	UG/L	0.550 UJ	NA	0.5 U	0.600 UJ
Endrin ketone	UG/L	0.110 UJ	NA	0.1 U	0.120 UJ
Endrin aldehyde	UG/L	0.110 UJ	NA	0.1 U	0.120 UJ
alpha-Chlordane	UG/L	0.055 UJ	NA	0.05 U	0.020 NJ
gamma-Chlordane	UG/L	0.055 UJ	NA	0.05 U	0.060 UJ
Toxaphene	UG/L	5.50 UJ	NA	5 U	6.00 UJ
Aroclor 1016	UG/L	1.10 UJ	NA	1 U	1.20 UJ
Aroclor 1221	UG/L	2.20 UJ	NA	2 U	2.40 UJ
Aroclor 1232	UG/L	1.10 UJ	NA	1 U	1.20 UJ
Aroclor 1242	UG/L	1.10 UJ	NA	1 U	1.20 UJ
Aroclor 1248	UG/L	1.10 UJ	NA	1 U	1.20 UJ
Aroclor 1254	UG/L	1.10 UJ	NA	1 U	1.20 UJ
Aroclor 1260	UG/L	1.10 UJ	NA	1 U	1.20 UJ

FREQUENCY OF DETECTION SUMMARY
OPERABLE UNIT NO. 4 (SITE 74)
GROUNDWATER
MCB CAMP LEJEUNE, NORTH CAROLINA
REMEDIAL INVESTIGATION - CTO-0212
ORGANICS

Client Sample ID:	74-GW06-01	74-GW07-01	74-GW07-02	74-GW08-01
Laboratory Sample ID:	9402140-01	9402198-01A	AB7979	9402198-03A
Date Sampled:	02/16/94	02/22/94	08/26/94	02/22/94

UNITS

CHEMICAL SURETY

Acetophenone	UG/L	11.9 U	12.5 U	NA	12.5 U
Chloroacetophenone	UG/L	11.9 U	12.5 U	NA	12.5 U
Hydroxyacetophenone	UG/L	59.5 U	62.0 U	NA	62.5 U
Bis(2'-chloroethyl)disulfide	UG/L	59.5 U	62.0 U	NA	62.5 U
Bis(2'-chloroethyl)trisulfide	UG/L	59.5 U	62.0 U	NA	62.5 U
1,4-Dithiane	UG/L	11.9 U	12.5 U	NA	12.5 U
1,4-Oxathiane	UG/L	11.9 U	12.5 UJ	NA	12.5 U

THIODIGLYCOL

Thiodiglycol	UG/L	25.0 U	25.0 U	NA	25.0 U
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FREQUENCY OF DETECTION SUMMARY
OPERABLE UNIT NO. 4 (SITE 74)
GROUNDWATER
MCB CAMP LEJEUNE, NORTH CAROLINA
REMEDIAL INVESTIGATION - CTO-0212
ORGANICS

Client Sample ID: Laboratory Sample ID: Date Sampled:		MINIMUM NONDETECTED	MAXIMUM NONDETECTED	MINIMUM DETECTED	MAXIMUM DETECTED	LOCATION OF MAXIMUM DETECTED	FREQUENCY OF DETECTION
	UNITS						
	SEMIVOLATILES						
	1,2-Dichlorobenzene	UG/L	11.6 U	12.8 U	ND	ND	0/8
	1,2,4-Trichlorobenzene	UG/L	11.6 U	12.8 U	ND	ND	0/8
	1,3-Dichlorobenzene	UG/L	11.6 U	12.8 U	ND	ND	0/8
	1,4-Dichlorobenzene	UG/L	11.6 U	12.8 U	ND	ND	0/8
	2-Chloronaphthalene	UG/L	11.6 U	12.8 U	ND	ND	0/8
	2-Chlorophenol	UG/L	11.6 U	12.8 U	ND	ND	0/8
	2-Methylnaphthalene	UG/L	11.6 U	12.8 U	ND	ND	0/8
	2-Methylphenol	UG/L	11.6 U	12.8 U	ND	ND	0/8
	2-Nitroaniline	UG/L	29.1 U	32 U	ND	ND	0/8
	2-Nitrophenol	UG/L	11.6 U	12.8 U	ND	ND	0/8
	2,2'-oxybis-(1-chloropropane)	UG/L	11.6 U	12.8 U	ND	ND	0/8
	2,4-Dichlorophenol	UG/L	11.6 U	12.8 U	ND	ND	0/8
	2,4-Dimethylphenol	UG/L	11.6 U	12.8 U	ND	ND	0/8
	2,4-Dinitrophenol	UG/L	29.1 U	32 U	ND	ND	0/8
	2,4-Dinitrotoluene	UG/L	11.6 U	12.8 U	ND	ND	0/8
	2,4,5-Trichlorophenol	UG/L	29.1 U	32 U	ND	ND	0/8
	2,4,6-Trichlorophenol	UG/L	11.6 U	12.8 U	ND	ND	0/8
	2,6-Dinitrotoluene	UG/L	11.6 U	12.8 U	ND	ND	0/8
	3-Nitroaniline	UG/L	29.1 UJ	32 UJ	ND	ND	0/8
	3,3'-Dichlorobenzidine	UG/L	11.6 U	12.8 U	ND	ND	0/8
	4-Bromophenyl-phenylether	UG/L	11.6 U	12.8 U	ND	ND	0/8
	4-Chloro-3-methylphenol	UG/L	11.6 U	12.8 U	ND	ND	0/8
	4-Chloroaniline	UG/L	11.6 U	12.8 U	ND	ND	0/8
	4-Chlorophenyl phenyl ether	UG/L	11.6 U	12.8 U	ND	ND	0/8
	4-Methylphenol	UG/L	11.6 U	12.8 U	ND	ND	0/8
	4-Nitroaniline	UG/L	29.1 U	32 U	ND	ND	0/8
	4-Nitrophenol	UG/L	29.1 U	32 U	ND	ND	0/8
	4,6-Dinitro-2-methylphenol	UG/L	29.1 U	32 U	ND	ND	0/8
	Acenaphthene	UG/L	11.6 U	12.8 U	ND	ND	0/8
	Acenaphthylene	UG/L	11.6 U	12.8 U	ND	ND	0/8
	Anthracene	UG/L	11.6 U	12.8 U	ND	ND	0/8
	Benzo[a]anthracene	UG/L	11.6 U	12.8 U	ND	ND	0/8
	Benzo[a]pyrene	UG/L	11.6 U	12.8 U	ND	ND	0/8

FREQUENCY OF DETECTION SUMMARY
OPERABLE UNIT NO. 4 (SITE 74)
GROUNDWATER
MCB CAMP LEJEUNE, NORTH CAROLINA
REMEDIAL INVESTIGATION - CTO-0212
ORGANICS

Client Sample ID: Laboratory Sample ID: Date Sampled:	MINIMUM NONDETECTED	MAXIMUM NONDETECTED	MINIMUM DETECTED	MAXIMUM DETECTED	LOCATION OF MAXIMUM DETECTED	FREQUENCY OF DETECTION
UNITS						
SEMIVOLATILES Cont.						
Benzo[b]fluoranthene	UG/L	11.6 U	12.8 U	ND	ND	0/8
Benzo[g,h,i]perylene	UG/L	11.6 U	12.8 U	ND	ND	0/8
Benzo[k]fluoranthene	UG/L	11.6 U	12.8 U	ND	ND	0/8
bis(2-Chloroethoxy) methane	UG/L	11.6 U	12.8 U	ND	ND	0/8
bis(2-Chloroethyl) ether	UG/L	11.6 U	12.8 U	ND	ND	0/8
bis(2-Ethylhexyl)phthalate	UG/L	11.6 U	12.8 U	ND	ND	0/8
Butyl benzyl phthalate	UG/L	11.6 U	12.8 U	ND	ND	0/8
Carbazole	UG/L	11.6 U	12.8 U	ND	ND	0/8
Chrysene	UG/L	11.6 U	12.8 U	ND	ND	0/8
Dibenzofuran	UG/L	11.6 U	12.8 U	ND	ND	0/8
Dibenz[a,h]anthracene	UG/L	11.6 U	12.8 U	ND	ND	0/8
Diethylphthalate	UG/L	11.6 U	12.8 U	ND	ND	0/8
Dimethyl phthalate	UG/L	11.6 U	12.8 U	ND	ND	0/8
di-n-Butylphthalate	UG/L	11.6 U	12.8 U	2 J	2 J	74-GW04-01 1/8
di-n-Octylphthalate	UG/L	11.6 U	12.8 U	ND	ND	0/8
Fluoranthene	UG/L	11.6 U	12.8 U	ND	ND	0/8
Fluorene	UG/L	11.6 U	12.8 U	ND	ND	0/8
Hexachlorobenzene	UG/L	11.6 U	12.8 U	ND	ND	0/8
Hexachlorobutadiene	UG/L	11.6 U	12.8 U	ND	ND	0/8
Hexachlorocyclopentadiene	UG/L	11.6 U	12.8 U	ND	ND	0/8
Hexachloroethane	UG/L	11.6 U	12.8 U	ND	ND	0/8
Indeno[1,2,3-cd]pyrene	UG/L	11.6 U	12.8 U	ND	ND	0/8
Isophorone	UG/L	11.6 U	12.8 U	ND	ND	0/8
Naphthalene	UG/L	11.6 U	12.8 U	ND	ND	0/8
Nitrobenzene	UG/L	11.6 U	12.8 U	ND	ND	0/8
N-Nitroso-di-n-propylamine	UG/L	11.6 U	12.8 U	ND	ND	0/8
N-nitrosodiphenylamine	UG/L	11.6 U	12.8 U	ND	ND	0/8
Pentachlorophenol	UG/L	29.1 U	32 U	ND	ND	0/8
Phenanthrene	UG/L	11.6 U	12.8 U	ND	ND	0/8
Phenol	UG/L	11.6 U	12.8 U	ND	ND	0/8
Pyrene	UG/L	11.6 U	12.8 U	ND	ND	0/8

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 74)
 GROUNDWATER
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID: Laboratory Sample ID: Date Sampled:	MINIMUM NONDETECTED	MAXIMUM NONDETECTED	MINIMUM DETECTED	MAXIMUM DETECTED	LOCATION OF MAXIMUM DETECTED	FREQUENCY OF DETECTION
UNITS						
VOLATILES						
Chloromethane	UG/L	10 U	10 U	ND	ND	0/8
Bromomethane	UG/L	10 U	10 U	ND	ND	0/8
Vinyl chloride	UG/L	10 U	10 U	ND	ND	0/8
Chloroethane	UG/L	10 U	10 U	ND	ND	0/8
Methylene chloride	UG/L	10 U	10 U	ND	ND	0/8
Acetone	UG/L	10 UJ	10 UJ	2 J	2.04 J	74-GW03A-01 2/8
Carbon Disulfide	UG/L	10 U	10 U	ND	ND	0/8
1,1-Dichloroethene	UG/L	10 U	10 U	ND	ND	0/8
1,1-Dichloroethane	UG/L	10 U	10 U	ND	ND	0/8
1,2-Dichloroethene(total)	UG/L	10 U	10 U	ND	ND	0/8
Chloroform	UG/L	10 U	10 U	ND	ND	0/8
1,2-Dichloroethane	UG/L	10 U	10 U	ND	ND	0/8
2-Butanone	UG/L	10 U	10 U	ND	ND	0/8
1,1,1-Trichloroethane	UG/L	10 U	10 U	ND	ND	0/8
Carbon tetrachloride	UG/L	10 U	10 U	ND	ND	0/8
Bromodichloromethane	UG/L	10 U	10 U	ND	ND	0/8
1,2-Dichloropropane	UG/L	10 U	10 U	ND	ND	0/8
cis-1,3-Dichloropropene	UG/L	10 U	10 U	ND	ND	0/8
Trichloroethene	UG/L	10 U	10 U	ND	ND	0/8
Dibromochloromethane	UG/L	10 U	10 U	ND	ND	0/8
1,1,2-Trichloroethane	UG/L	10 U	10 U	ND	ND	0/8
Benzene	UG/L	10 U	10 U	ND	ND	0/8
trans-1,3-Dichloropropene	UG/L	10 U	10 U	ND	ND	0/8
Bromoform	UG/L	10 U	10 U	ND	ND	0/8
4-Methyl-2-pentanone	UG/L	10 U	10 U	ND	ND	0/8
2-Hexanone	UG/L	10 U	10 U	ND	ND	0/8
Tetrachloroethene	UG/L	10 U	10 U	ND	ND	0/8
1,1,2,2-Tetrachloroethane	UG/L	10 U	10 U	ND	ND	0/8
Toluene	UG/L	10 U	10 U	ND	ND	0/8
Chlorobenzene	UG/L	10 U	10 U	ND	ND	0/8
Ethylbenzene	UG/L	10 U	10 U	ND	ND	0/8
Styrene	UG/L	10 U	10 U	ND	ND	0/8
Xylenes (total)	UG/L	10 U	10 U	ND	ND	0/8

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 74)
 GROUNDWATER
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID: Laboratory Sample ID: Date Sampled:	MINIMUM NONDETECTED	MAXIMUM NONDETECTED	MINIMUM DETECTED	MAXIMUM DETECTED	LOCATION OF MAXIMUM DETECTED	FREQUENCY OF DETECTION
	UNITS					
<u>PESTICIDE/PCBS</u>						
alpha-BHC	UG/L	0.05 U	0.065 UJ	ND	ND	0/7
beta-BHC	UG/L	0.05 U	0.065 UJ	ND	ND	0/7
delta-BHC	UG/L	0.05 U	0.065 UJ	ND	ND	0/7
Lindane (gamma-BHC)	UG/L	0.05 U	0.065 UJ	0.04 J	0.04 J	74-GW08-01 1/7
Heptachlor	UG/L	0.05 U	0.06 UJ	0.01 NJ	0.01 NJ	74-GW01-01 1/7
Aldrin	UG/L	0.05 U	0.065 UJ	ND	ND	0/7
Heptachlor epoxide	UG/L	0.05 U	0.065 UJ	ND	ND	0/7
Endosulfan I	UG/L	0.05 U	0.065 UJ	ND	ND	0/7
Dieldrin	UG/L	0.1 U	0.13 UJ	ND	ND	0/7
4,4'-DDE	UG/L	0.1 U	0.13 UJ	ND	ND	0/7
Endrin	UG/L	0.1 U	0.13 UJ	ND	ND	0/7
Endosulfan II	UG/L	0.1 U	0.13 UJ	0.02 J	0.02 J	74-GW08-01 1/7
4,4'-DDD	UG/L	0.1 U	0.13 UJ	ND	ND	0/7
Endosulfan sulfate	UG/L	0.1 U	0.13 UJ	ND	ND	0/7
4,4'-DDT	UG/L	0.1 U	0.13 UJ	ND	ND	0/7
Methoxychlor	UG/L	0.5 U	0.65 UJ	ND	ND	0/7
Endrin ketone	UG/L	0.1 U	0.13 UJ	ND	ND	0/7
Endrin aldehyde	UG/L	0.1 U	0.13 UJ	ND	ND	0/7
alpha-Chlordane	UG/L	0.05 U	0.065 UJ	0.02 NJ	0.02 NJ	74-GW08-01 1/7
gamma-Chlordane	UG/L	0.05 U	0.065 UJ	ND	ND	0/7
Toxaphene	UG/L	5 U	6.5 UJ	ND	ND	0/7
Aroclor 1016	UG/L	1 U	1.3 UJ	ND	ND	0/7
Aroclor 1221	UG/L	2 U	2.6 UJ	ND	ND	0/7
Aroclor 1232	UG/L	1 U	1.3 UJ	ND	ND	0/7
Aroclor 1242	UG/L	1 U	1.3 UJ	ND	ND	0/7
Aroclor 1248	UG/L	1 U	1.3 UJ	ND	ND	0/7
Aroclor 1254	UG/L	1 U	1.3 UJ	ND	ND	0/7
Aroclor 1260	UG/L	1 U	1.3 UJ	ND	ND	0/7

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 74)
 GROUNDWATER
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID: Laboratory Sample ID: Date Sampled:	MINIMUM NONDETECTED	MAXIMUM NONDETECTED	MINIMUM DETECTED	MAXIMUM DETECTED	LOCATION OF MAXIMUM DETECTED	FREQUENCY OF DETECTION
	UNITS					
CHEMICAL SURETY						
Acetophenone	UG/L	11.6 U	12.8 U	ND	ND	0/8
Chloroacetophenone	UG/L	11.6 U	12.8 U	ND	ND	0/8
Hydroxyacetophenone	UG/L	58.2 U	64.1 U	ND	ND	0/8
Bis(2'-chloroethyl)disulfide	UG/L	58.2 U	64.1 U	ND	ND	0/8
Bis(2'-chloroethyl)trisulfide	UG/L	58.2 U	64.1 U	ND	ND	0/8
1,4-Dithiane	UG/L	11.6 U	12.8 U	ND	ND	0/8
1,4-Oxathiane	UG/L	11.6 U	12.8 U	ND	ND	0/8
THIODIGLYCOL						
Thiodiglycol	UG/L	25 U	25 U	ND	ND	0/8

APPENDIX O.23
SITE 74 GROUNDWATER TOTAL METALS

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 74)
 GROUNDWATER
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 TAL TOTAL METALS

Client Sample ID:	74-GW01-01	74-GW02-01	74-GW03A-02	74-GW04-01	74-GW05-01	74-GW06-01
Laboratory Sample ID:	9402138-03	9402132-01	AB7974	9402138-01	9402137-01	9402140-01
Date Sampled:	02/16/94	02/16/94	08/25/94	02/16/94	02/16/94	02/16/94

	UNITS	74-GW01-01	74-GW02-01	74-GW03A-02	74-GW04-01	74-GW05-01	74-GW06-01
Aluminum	UG/L	64100.0 J	52800.0 J	1600	18800.0 J	18300.0 J	40200.0 J
Antimony	UG/L	7.60 UJ	7.60 UJ	50 U	7.60 UJ	7.60 UJ	7.60 UJ
Arsenic	UG/L	2.86 J	18.1	3.5	2.20 U	4.06	2.20 U
Barium	UG/L	110.0	117.0	28.2	61.6	80.7	63.8
Beryllium	UG/L	1.22	2.25	1 U	0.760 U	0.842	0.760 U
Cadmium	UG/L	3.19 U	3.19 U	5 U	3.19 U	3.19 U	3.19 U
Calcium	UG/L	815.0	3000.0	554	918.0	3860.0	7720.0
Chromium	UG/L	56.6	45.1	10 U	15.9	18.6	34.2
Cobalt	UG/L	16.0 U	16.0 U	10 U	16.0 U	16.0 U	16.0 U
Copper	UG/L	16.3 U	16.3 U	10 U	16.3 U	16.3 U	16.3 U
Iron	UG/L	10100.0 J	96100.0 J	821	4520.0 J	8550.0 J	4780.0 J
Lead	UG/L	15.3	9.67	2 U	7.71 J	10.8	6.11
Magnesium	UG/L	2160.0	2480.0	480	1900.0	1840.0	1130.0
Manganese	UG/L	19.2	115.0	17.2	8.47	39.9	34.1
Mercury	UG/L	0.244	0.327 U	0.2 U	0.192 U	0.194 U	0.209 U
Nickel	UG/L	28.8 U	28.8 U	20 U	28.8 U	28.8 U	28.8 U
Potassium	UG/L	3070	2000	1000 U	1290	1170	2000
Selenium	UG/L	1.60 UJ	1.80 J	2 U	1.60 UJ	1.60 UJ	1.60 UJ
Silver	UG/L	1.60 U	1.60 U	5 U	1.60 U	1.60 U	1.60 U
Sodium	UG/L	3570	2140	3560	5220	7210	2580
Thallium	UG/L	3.00 U	3.00 U	2 U	3.00 U	3.00 U	3.00 U
Vanadium	UG/L	78.2	301.0	10 U	20.4 U	22.0	20.4 U
Zinc	UG/L	39.9 UR	417.0 J	94.9	21.5 UR	69.9 J	24.8 UR
Total Cyanide	UG/L	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 74)
 GROUNDWATER
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 TAL TOTAL METALS

Client Sample ID:	74-GW07-02	74-GW08-01
Laboratory Sample ID:	AB7980	9402198-03A
Date Sampled:	08/26/94	02/22/94

	UNITS		
Aluminum	UG/L	10400	11400.0 J
Antimony	UG/L	50 U	7.60 U
Arsenic	UG/L	3.2	2.20 U
Barium	UG/L	80.1	38.9
Beryllium	UG/L	1 U	0.760 U
Cadmium	UG/L	5 U	3.19 U
Calcium	UG/L	686	3440.0
Chromium	UG/L	10 U	8.31 UJ
Cobalt	UG/L	10 U	16.0 U
Copper	UG/L	10 U	16.3 U
Iron	UG/L	5110	1380.0
Lead	UG/L	5.3	3.10 J
Magnesium	UG/L	1900	924.0
Manganese	UG/L	18	16.9
Mercury	UG/L	0.2 U	0.162 U
Nickel	UG/L	20 U	28.8 U
Potassium	UG/L	1660	763.000 U
Selenium	UG/L	2 U	1.60 U
Silver	UG/L	5 U	1.60 U
Sodium	UG/L	5520	2530.00
Thallium	UG/L	2 U	3.00 U
Vanadium	UG/L	14.3	20.4 U
Zinc	UG/L	154	19.1
Total Cyanide	UG/L	5.00 U	5.00 U

FREQUENCY OF DETECTION SUMMARY
OPERABLE UNIT NO. 4 (SITE 74)
GROUNDWATER
MCB CAMP LEJEUNE, NORTH CAROLINA
REMEDIAL INVESTIGATION - CTO-0212
TAL TOTAL METALS

Client Sample ID: Laboratory Sample ID: Date Sampled:	MINIMUM NONDETECTED	MAXIMUM NONDETECTED	MINIMUM DETECTED	MAXIMUM DETECTED	LOCATION OF MAXIMUM DETECTED	FREQUENCY OF DETECTION	
	UNITS						
Aluminum	UG/L	NA	NA	1600	64100 J	74-GW01-01	8/8
Antimony	UG/L	7.6 UJ	50 U	ND	ND		0/8
Arsenic	UG/L	2.2 U	2.2 U	2.86 J	18.1	74-GW02-01	5/8
Barium	UG/L	NA	NA	28.2	117	74-GW02-01	8/8
Beryllium	UG/L	0.76 U	1 U	0.842	2.25	74-GW02-01	3/8
Cadmium	UG/L	3.19 U	5 U	ND	ND		0/8
Calcium	UG/L	NA	NA	554	7720	74-GW06-01	8/8
Chromium	UG/L	8.31 UJ	10 U	15.9	56.6	74-GW01-01	5/8
Cobalt	UG/L	10 U	16 U	ND	ND		0/8
Copper	UG/L	10 U	16.3 U	ND	ND		0/8
Iron	UG/L	NA	NA	821	96100 J	74-GW02-01	8/8
Lead	UG/L	2 U	2 U	3.1 J	15.3	74-GW01-01	7/8
Magnesium	UG/L	NA	NA	480	2480	74-GW02-01	8/8
Manganese	UG/L	NA	NA	8.47	115	74-GW02-01	8/8
Mercury	UG/L	0.162 U	0.327 U	0.244	0.244	74-GW01-01	1/8
Nickel	UG/L	20 U	28.8 U	ND	ND		0/8
Potassium	UG/L	763 U	1000 U	1170	3070	74-GW01-01	6/8
Selenium	UG/L	1.6 UJ	2 U	1.8 J	1.8 J	74-GW02-01	1/8
Silver	UG/L	1.6 U	5 U	ND	ND		0/8
Sodium	UG/L	NA	NA	2140	7210	74-GW05-01	8/8
Thallium	UG/L	2 U	3 U	ND	ND		0/8
Vanadium	UG/L	10 U	20.4 U	14.3	301	74-GW02-01	4/8
Zinc	UG/L	NA	NA	19.1	417 J	74-GW02-01	5/5
Total Cyanide	UG/L	5 U	5 U	ND	ND		0/8

APPENDIX O.24
SITE 74 GROUNDWATER DISSOLVED METALS

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 74)
 GROUNDWATER
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 TAL DISSOLVED METALS

Client Sample ID:	74-GW01D-01	74-GW02D-01	74-GW03AD-02	74-GW04D-01	74-GW05D-01	74-GW06D-01
Laboratory Sample ID:	9402138-04	9402132-02	AB7986	9402138-02	9402137-02	9402140-02
Date Sampled:	02/16/94	02/16/94	08/25/94	02/16/94	02/16/94	02/16/94

	UNITS						
Aluminum	UG/L	215.0 J	437.0 J	1780	372.0 J	1130.0 J	139.0 UJ
Antimony	UG/L	7.60 UJ	7.60 UJ	50 U	7.60 UJ	7.60 UJ	7.60 UJ
Arsenic	UG/L	2.20 U	2.20 U	3.9	2.20 U	2.20 U	2.20 U
Barium	UG/L	15.9	28.5	32.8	27.5	45.6	12.4 U
Beryllium	UG/L	0.760 U	0.760 U	1 U	0.760 U	0.760 U	0.760 U
Cadmium	UG/L	3.19 U	3.19 U	5 U	3.19 U	3.19 U	3.19 U
Calcium	UG/L	806.0	2840.0	870	1060.0	4110.0	5700.0
Chromium	UG/L	8.31 U	8.31 U	10 U	8.31 U	8.31 U	8.31 U
Cobalt	UG/L	16.0 U	16.0 U	10 U	16.0 U	16.0 U	16.0 U
Copper	UG/L	16.3 U	16.3 U	18.4	16.3 U	16.3 U	16.3 U
Iron	UG/L	54.9 R	350.0 J	1040	54.9 R	380.0 J	54.9 R
Lead	UG/L	1.00 U	1.00 U	2 U	1.00 U	1.00 U	1.00 U
Magnesium	UG/L	1050.0	1670.0	692	1640.0	1460.0	499.0
Manganese	UG/L	7.08 U	7.08 U	25.4	7.08 U	20.9	17.7
Mercury	UG/L	0.159 U	0.172 U	1.4	0.182 U	0.197 U	0.169 U
Nickel	UG/L	28.8 U	28.8 U	20 U	28.8 U	28.8 U	28.8 U
Potassium	UG/L	763 U	763 U	1000 U	763 U	763 U	763 U
Selenium	UG/L	1.60 UJ	1.60 UJ	2 U	1.60 UJ	1.60 UJ	1.60 UJ
Silver	UG/L	24.2	1.60 U	5 U	1.60 U	1.60 U	1.60 U
Sodium	UG/L	3460	2140	4470	5550	7540	2800
Thallium	UG/L	3.00 U	3.00 U	2 U	3.00 U	3.00 U	3.00 U
Vanadium	UG/L	20.4 U	20.4 U	10 U	20.4 U	20.4 U	20.4 U
Zinc	UG/L	14.5 UR	64.2 J	93.9	14.2 R	43.4 UR	32.4 UR

FREQUENCY OF DETECTION SUMMARY
OPERABLE UNIT NO. 4 (SITE 74)
GROUNDWATER
MCB CAMP LEJEUNE, NORTH CAROLINA
REMEDIAL INVESTIGATION - CTO-0212
TAL DISSOLVED METALS

Client Sample ID:	74-GW07D-02	74-GW08D-01
Laboratory Sample ID:	AB7996	9402198-04A
Date Sampled:	08/26/94	02/22/94

	<u>UNITS</u>		
Aluminum	UG/L	153	139.0 U
Antimony	UG/L	50 U	8.26
Arsenic	UG/L	2 U	2.20 U
Barium	UG/L	63.8	12.4 U
Beryllium	UG/L	1 U	0.760 U
Cadmium	UG/L	5.6	3.19 U
Calcium	UG/L	835	3720.0
Chromium	UG/L	10 U	8.31 U
Cobalt	UG/L	10 U	16.0 U
Copper	UG/L	20.3	16.3 U
Iron	UG/L	749	54.9 U
Lead	UG/L	2 U	1.00 U
Magnesium	UG/L	1730	730.0
Manganese	UG/L	11.8	16.0
Mercury	UG/L	0.2 U	0.166
Nickel	UG/L	20 U	28.8 U
Potassium	UG/L	1020	763.000 U
Selenium	UG/L	2 U	1.60 U
Silver	UG/L	5 U	1.60 U
Sodium	UG/L	6320	3120.00
Thallium	UG/L	2 U	3.00 U
Vanadium	UG/L	10 U	20.4 U
Zinc	UG/L	27.4	10.6 U

FREQUENCY OF DETECTION SUMMARY
OPERABLE UNIT NO. 4 (SITE 74)
GROUNDWATER
MCB CAMP LEJEUNE, NORTH CAROLINA
REMEDIAL INVESTIGATION - CTO-0212
TAL DISSOLVED METALS

Client Sample ID: Laboratory Sample ID: Date Sampled:	MINIMUM NONDETECTED	MAXIMUM NONDETECTED	MINIMUM DETECTED	MAXIMUM DETECTED	LOCATION OF MAXIMUM DETECTED	FREQUENCY OF DETECTION	
	UNITS						
Aluminum	UG/L	139 UJ	139 UJ	153	1780	74-GW03AD-02	6/8
Antimony	UG/L	7.6 UJ	50 U	8.26	8.26	74-GW08D-01	1/8
Arsenic	UG/L	2 U	2.2 U	3.9	3.9	74-GW03AD-02	1/8
Barium	UG/L	12.4 U	12.4 U	15.9	63.8	74-GW07D-02	6/8
Beryllium	UG/L	0.76 U	1 U	ND	ND		0/8
Cadmium	UG/L	3.19 U	5 U	5.6	5.6	74-GW07D-02	1/8
Calcium	UG/L	NA	NA	806	5700	74-GW06D-01	8/8
Chromium	UG/L	8.31 U	10 U	ND	ND		0/8
Cobalt	UG/L	10 U	16 U	ND	ND		0/8
Copper	UG/L	16.3 U	16.3 U	18.4	20.3	74-GW07D-02	2/8
Iron	UG/L	54.9 U	54.9 U	350 J	1040	74-GW03AD-02	4/5
Lead	UG/L	1 U	2 U	ND	ND		0/8
Magnesium	UG/L	NA	NA	499	1730	74-GW07D-02	8/8
Manganese	UG/L	7.08 U	7.08 U	11.8	25.4	74-GW03AD-02	5/8
Mercury	UG/L	0.159 U	0.2 U	0.166	1.4	74-GW03AD-02	2/8
Nickel	UG/L	20 U	28.8 U	ND	ND		0/8
Potassium	UG/L	763 U	1000 U	1020	1020	74-GW07D-02	1/8
Selenium	UG/L	1.6 UJ	2 U	ND	ND		0/8
Silver	UG/L	1.6 U	5 U	24.2	24.2	74-GW01D-01	1/8
Sodium	UG/L	NA	NA	2140	7540	74-GW05D-01	8/8
Thallium	UG/L	2 U	3 U	ND	ND		0/8
Vanadium	UG/L	10 U	20.4 U	ND	ND		0/8
Zinc	UG/L	10.6 U	10.6 U	27.4	93.9	74-GW03AD-02	3/4

APPENDIX O.25
SITE 74 PESTICIDE DISPOSAL AREA SURFACE WATER ORGANICS

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 74)
 PESTICIDE DISPOSAL AREA SURFACE WATER
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	74-PDA-SW01	74-PDA-SW02	74-PDA-SW03	
Laboratory Sample ID:	9401136-01	9401136-02	9401136-03	
Date Sampled:	01/24/94	01/24/94	01/24/94	
	<u>UNITS</u>			
SEMIVOLATILES				
1,2-Dichlorobenzene	UG/L	12.0 U	11.0 U	11.0 U
1,2,4-Trichlorobenzene	UG/L	12.0 U	11.0 U	11.0 U
1,3-Dichlorobenzene	UG/L	12.0 U	11.0 U	11.0 U
1,4-Dichlorobenzene	UG/L	12.0 U	11.0 U	11.0 U
2-Chloronaphthalene	UG/L	12.0 U	11.0 U	11.0 U
2-Chlorophenol	UG/L	12.0 U	11.0 U	11.0 U
2-Methylnaphthalene	UG/L	12.0 U	11.0 U	11.0 U
2-Methylphenol	UG/L	12.0 U	11.0 U	11.0 U
2-Nitroaniline	UG/L	30.0 U	27.5 U	27.5 U
2-Nitrophenol	UG/L	12.0 U	11.0 U	11.0 U
2,2'-oxybis-(1-chloropropane)	UG/L	12.0 U	11.0 U	11.0 U
2,4-Dichlorophenol	UG/L	12.0 U	11.0 U	11.0 U
2,4-Dimethylphenol	UG/L	12.0 U	11.0 U	11.0 U
2,4-Dinitrophenol	UG/L	30.0 U	27.5 U	27.5 U
2,4-Dinitrotoluene	UG/L	12.0 U	11.0 U	11.0 U
2,4,5-Trichlorophenol	UG/L	30.0 U	27.5 U	27.5 U
2,4,6-Trichlorophenol	UG/L	12.0 U	11.0 U	11.0 U
2,6-Dinitrotoluene	UG/L	12.0 U	11.0 U	11.0 U
3-Nitroaniline	UG/L	30.0 U	27.5 U	27.5 U
3,3'-Dichlorobenzidine	UG/L	12.0 U	11.0 U	11.0 U
4-Bromophenyl-phenylether	UG/L	12.0 U	11.0 U	11.0 U
4-Chloro-3-methylphenol	UG/L	12.0 U	11.0 U	11.0 U
4-Chloroaniline	UG/L	12.0 U	11.0 U	11.0 U
4-Chlorophenyl phenyl ether	UG/L	12.0 U	11.0 U	11.0 U
4-Methylphenol	UG/L	12.0 U	11.0 U	11.0 U
4-Nitroaniline	UG/L	30.0 U	27.5 U	27.5 U
4-Nitrophenol	UG/L	30.0 U	27.5 U	27.5 U
4,6-Dinitro-2-methylphenol	UG/L	30.0 U	27.5 U	27.5 U
Acenaphthene	UG/L	12.0 U	11.0 U	11.0 U
Acenaphthylene	UG/L	12.0 U	11.0 U	11.0 U
Anthracene	UG/L	12.0 U	11.0 U	11.0 U
Benzo[a]anthracene	UG/L	12.0 U	11.0 U	11.0 U
Benzo[a]pyrene	UG/L	12.0 U	11.0 U	11.0 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 74)
 PESTICIDE DISPOSAL AREA SURFACE WATER
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	74-PDA-SW01	74-PDA-SW02	74-PDA-SW03
Laboratory Sample ID:	9401136-01	9401136-02	9401136-03
Date Sampled:	01/24/94	01/24/94	01/24/94

UNITS

<u>SEMIVOLATILES Cont.</u>				
Benzo[b]fluoranthene	UG/L	12.0 U	11.0 U	11.0 U
Benzo[g,h,i]perylene	UG/L	12.0 U	11.0 U	11.0 U
Benzo[k]fluoranthene	UG/L	12.0 U	11.0 U	11.0 U
bis(2-Chloroethoxy) methane	UG/L	12.0 U	11.0 U	11.0 U
bis(2-Chloroethyl) ether	UG/L	12.0 U	11.0 U	11.0 U
bis(2-Ethylhexyl)phthalate	UG/L	12.0 U	11.0 U	11.0 U
Butyl benzyl phthalate	UG/L	12.0 U	11.0 U	11.0 U
Carbazole	UG/L	12.0 U	11.0 U	11.0 U
Chrysene	UG/L	12.0 U	11.0 U	11.0 U
Dibenzofuran	UG/L	12.0 U	11.0 U	11.0 U
Dibenz[a,h]anthracene	UG/L	12.0 U	11.0 U	11.0 U
Diethylphthalate	UG/L	12.0 U	11.0 U	11.0 U
Dimethyl phthalate	UG/L	12.0 U	11.0 U	11.0 U
di-n-Butylphthalate	UG/L	12.0 U	11.0 U	11.00 U
di-n-Octylphthalate	UG/L	12.0 U	11.0 U	11.0 U
Fluoranthene	UG/L	12.0 U	11.0 U	11.0 U
Fluorene	UG/L	12.0 U	11.0 U	11.0 U
Hexachlorobenzene	UG/L	12.0 U	11.0 U	11.0 U
Hexachlorobutadiene	UG/L	12.0 U	11.0 U	11.0 U
Hexachlorocyclopentadiene	UG/L	12.0 U	11.0 U	11.0 U
Hexachloroethane	UG/L	12.0 U	11.0 U	11.0 U
Indeno[1,2,3-cd]pyrene	UG/L	12.0 U	11.0 U	11.0 U
Isophorone	UG/L	12.0 U	11.0 U	11.0 U
Naphthalene	UG/L	12.0 U	11.0 U	11.0 U
Nitrobenzene	UG/L	12.0 U	11.0 U	11.0 U
N-Nitroso-di-n-propylamine	UG/L	12.0 U	11.0 U	11.0 U
N-nitrosodiphenylamine	UG/L	12.0 U	11.0 U	11.0 U
Pentachlorophenol	UG/L	30.0 U	27.5 U	27.5 U
Phenanthrene	UG/L	12.0 U	11.0 U	11.0 U
Phenol	UG/L	12.0 U	11.0 U	11.0 U
Pyrene	UG/L	12.0 U	11.0 U	11.0 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 74)
 PESTICIDE DISPOSAL AREA SURFACE WATER
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	74-PDA-SW01	74-PDA-SW02	74-PDA-SW03
Laboratory Sample ID:	9401136-01	9401136-02	9401136-03
Date Sampled:	01/24/94	01/24/94	01/24/94

	<u>UNITS</u>			
<u>VOLATILES</u>				
Chloromethane	UG/L	10.0 U	10.0 U	10.0 U
Bromomethane	UG/L	10.0 U	10.0 U	10.0 U
Vinyl chloride	UG/L	10.0 U	10.0 U	10.0 U
Chloroethane	UG/L	10.0 U	10.0 U	10.0 U
Methylene chloride	UG/L	17.00 U	10.00 U	10.00 U
Acetone	UG/L	10.00 U	10.00 U	10.0 U
Carbon Disulfide	UG/L	10.0 U	10.0 U	10.0 U
1,1-Dichloroethene	UG/L	10.0 U	10.0 U	10.0 U
1,1-Dichloroethane	UG/L	10.0 U	10.0 U	10.0 U
1,2-Dichloroethene(total)	UG/L	10.0 U	10.0 U	10.0 U
Chloroform	UG/L	10.0 U	10.0 U	10.0 U
1,2-Dichloroethane	UG/L	10.0 U	10.0 U	10.0 U
2-Butanone	UG/L	10.0 U	10.0 U	10.0 U
1,1,1-Trichloroethane	UG/L	10.0 U	10.0 U	10.0 U
Carbon tetrachloride	UG/L	10.0 U	10.0 U	10.0 U
Bromodichloromethane	UG/L	10.0 U	10.0 U	10.0 U
1,2-Dichloropropane	UG/L	10.0 U	10.0 U	10.0 U
cis-1,3-Dichloropropene	UG/L	10.0 U	10.0 U	10.0 U
Trichloroethene	UG/L	10.0 U	10.0 U	10.0 U
Dibromochloromethane	UG/L	10.0 U	10.0 U	10.0 U
1,1,2-Trichloroethane	UG/L	10.0 U	10.0 U	10.0 U
Benzene	UG/L	10.0 U	10.0 U	10.0 U
trans-1,3-Dichloropropene	UG/L	10.0 U	10.0 U	10.0 U
Bromoform	UG/L	10.0 U	10.0 U	10.0 U
4-Methyl-2-pentanone	UG/L	10.0 U	10.0 U	10.0 U
2-Hexanone	UG/L	10.0 U	10.0 U	10.0 U
Tetrachloroethene	UG/L	10.0 U	10.0 U	10.0 U
1,1,2,2-Tetrachloroethane	UG/L	10.0 U	10.0 U	10.0 U
Toluene	UG/L	10.0 U	10.0 U	10.0 U
Chlorobenzene	UG/L	10.0 U	10.0 U	10.0 U
Ethylbenzene	UG/L	10.0 U	10.0 U	10.0 U
Styrene	UG/L	10.0 U	10.0 U	10.0 U
Xylenes (total)	UG/L	10.0 U	10.0 U	10.0 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 74)
 PESTICIDE DISPOSAL AREA SURFACE WATER
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	74-PDA-SW01	74-PDA-SW02	74-PDA-SW03	
Laboratory Sample ID:	9401136-01	9401136-02	9401136-03	
Date Sampled:	01/24/94	01/24/94	01/24/94	
	<u>UNITS</u>			
<u>PESTICIDE/PCBS</u>				
alpha-BHC	UG/L	0.059 UJ	0.053 UJ	0.057 UJ
beta-BHC	UG/L	0.059 UJ	0.053 UJ	0.057 UJ
delta-BHC	UG/L	0.059 UJ	0.053 UJ	0.057 UJ
Lindane (gamma-BHC)	UG/L	0.059 UJ	0.053 UJ	0.057 UJ
Heptachlor	UG/L	0.030 UJ	0.010 UJ	0.010 UJ
Aldrin	UG/L	0.059 UJ	0.053 UJ	0.057 UJ
Heptachlor epoxide	UG/L	0.059 UJ	0.053 UJ	0.057 UJ
Endosulfan I	UG/L	0.059 UJ	0.053 UJ	0.057 UJ
Dieldrin	UG/L	0.118 UJ	0.106 UJ	0.115 UJ
4,4'-DDE	UG/L	0.118 UJ	0.106 UJ	0.115 UJ
Endrin	UG/L	0.118 UJ	0.106 UJ	0.115 UJ
Endosulfan II	UG/L	0.118 UJ	0.106 UJ	0.115 UJ
4,4'-DDD	UG/L	0.118 UJ	0.106 UJ	0.115 UJ
Endosulfan sulfate	UG/L	0.118 UJ	0.106 UJ	0.115 UJ
4,4'-DDT	UG/L	0.118 UJ	0.106 UJ	0.115 UJ
Methoxychlor	UG/L	0.588 UJ	0.532 UJ	0.575 UJ
Endrin ketone	UG/L	0.118 UJ	0.106 UJ	0.115 UJ
Endrin aldehyde	UG/L	0.118 UJ	0.106 UJ	0.115 UJ
alpha-Chlordane	UG/L	0.059 UJ	0.053 UJ	0.057 UJ
gamma-Chlordane	UG/L	0.059 UJ	0.053 UJ	0.057 UJ
Toxaphene	UG/L	5.88 UJ	5.32 UJ	5.75 UJ
Aroclor 1016	UG/L	1.18 UJ	1.06 UJ	1.15 UJ
Aroclor 1221	UG/L	2.35 UJ	2.13 UJ	2.30 UJ
Aroclor 1232	UG/L	1.18 UJ	1.06 UJ	1.15 UJ
Aroclor 1242	UG/L	1.18 UJ	1.06 UJ	1.15 UJ
Aroclor 1248	UG/L	1.18 UJ	1.06 UJ	1.15 UJ
Aroclor 1254	UG/L	1.18 UJ	1.06 UJ	1.15 UJ
Aroclor 1260	UG/L	1.18 UJ	1.06 UJ	1.15 UJ

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 74)
 PESTICIDE DISPOSAL AREA SURFACE WATER
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID: Laboratory Sample ID: Date Sampled:	MINIMUM NONDETECTED	MAXIMUM NONDETECTED	MINIMUM DETECTED	MAXIMUM DETECTED	LOCATION OF MAXIMUM DETECTED	FREQUENCY OF DETECTION
SEMIVOLATILES						
	UNITS					
1,2-Dichlorobenzene	UG/L	11 U	12 U	ND	ND	0/3
1,2,4-Trichlorobenzene	UG/L	11 U	12 U	ND	ND	0/3
1,3-Dichlorobenzene	UG/L	11 U	12 U	ND	ND	0/3
1,4-Dichlorobenzene	UG/L	11 U	12 U	ND	ND	0/3
2-Chloronaphthalene	UG/L	11 U	12 U	ND	ND	0/3
2-Chlorophenol	UG/L	11 U	12 U	ND	ND	0/3
2-Methylnaphthalene	UG/L	11 U	12 U	ND	ND	0/3
2-Methylphenol	UG/L	11 U	12 U	ND	ND	0/3
2-Nitroaniline	UG/L	27.5 U	30 U	ND	ND	0/3
2-Nitrophenol	UG/L	11 U	12 U	ND	ND	0/3
2,2'-oxybis-(1-chloropropane)	UG/L	11 U	12 U	ND	ND	0/3
2,4-Dichlorophenol	UG/L	11 U	12 U	ND	ND	0/3
2,4-Dimethylphenol	UG/L	11 U	12 U	ND	ND	0/3
2,4-Dinitrophenol	UG/L	27.5 U	30 U	ND	ND	0/3
2,4-Dinitrotoluene	UG/L	11 U	12 U	ND	ND	0/3
2,4,5-Trichlorophenol	UG/L	27.5 U	30 U	ND	ND	0/3
2,4,6-Trichlorophenol	UG/L	11 U	12 U	ND	ND	0/3
2,6-Dinitrotoluene	UG/L	11 U	12 U	ND	ND	0/3
3-Nitroaniline	UG/L	27.5 U	30 U	ND	ND	0/3
3,3'-Dichlorobenzidine	UG/L	11 U	12 U	ND	ND	0/3
4-Bromophenyl-phenylether	UG/L	11 U	12 U	ND	ND	0/3
4-Chloro-3-methylphenol	UG/L	11 U	12 U	ND	ND	0/3
4-Chloroaniline	UG/L	11 U	12 U	ND	ND	0/3
4-Chlorophenyl phenyl ether	UG/L	11 U	12 U	ND	ND	0/3
4-Methylphenol	UG/L	11 U	12 U	ND	ND	0/3
4-Nitroaniline	UG/L	27.5 U	30 U	ND	ND	0/3
4-Nitrophenol	UG/L	27.5 U	30 U	ND	ND	0/3
4,6-Dinitro-2-methylphenol	UG/L	27.5 U	30 U	ND	ND	0/3
Acenaphthene	UG/L	11 U	12 U	ND	ND	0/3
Acenaphthylene	UG/L	11 U	12 U	ND	ND	0/3
Anthracene	UG/L	11 U	12 U	ND	ND	0/3
Benzo[a]anthracene	UG/L	11 U	12 U	ND	ND	0/3
Benzo[a]pyrene	UG/L	11 U	12 U	ND	ND	0/3

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 74)
 PESTICIDE DISPOSAL AREA SURFACE WATER
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID: Laboratory Sample ID: Date Sampled:	MINIMUM NONDETECTED	MAXIMUM NONDETECTED	MINIMUM DETECTED	MAXIMUM DETECTED	LOCATION OF MAXIMUM DETECTED	FREQUENCY OF DETECTION
<u>UNITS</u>						
<u>SEMIVOLATILES Cont.</u>						
Benzo[b]fluoranthene	UG/L	11 U	12 U	ND	ND	0/3
Benzo[g,h,i]perylene	UG/L	11 U	12 U	ND	ND	0/3
Benzo[k]fluoranthene	UG/L	11 U	12 U	ND	ND	0/3
bis(2-Chloroethoxy) methane	UG/L	11 U	12 U	ND	ND	0/3
bis(2-Chloroethyl) ether	UG/L	11 U	12 U	ND	ND	0/3
bis(2-Ethylhexyl)phthalate	UG/L	11 U	12 U	ND	ND	0/3
Butyl benzyl phthalate	UG/L	11 U	12 U	ND	ND	0/3
Carbazole	UG/L	11 U	12 U	ND	ND	0/3
Chrysene	UG/L	11 U	12 U	ND	ND	0/3
Dibenzofuran	UG/L	11 U	12 U	ND	ND	0/3
Dibenz[a,h]anthracene	UG/L	11 U	12 U	ND	ND	0/3
Diethylphthalate	UG/L	11 U	12 U	ND	ND	0/3
Dimethyl phthalate	UG/L	11 U	12 U	ND	ND	0/3
di-n-Butylphthalate	UG/L	11 U	12 U	ND	ND	0/3
di-n-Octylphthalate	UG/L	11 U	12 U	ND	ND	0/3
Fluoranthene	UG/L	11 U	12 U	ND	ND	0/3
Fluorene	UG/L	11 U	12 U	ND	ND	0/3
Hexachlorobenzene	UG/L	11 U	12 U	ND	ND	0/3
Hexachlorobutadiene	UG/L	11 U	12 U	ND	ND	0/3
Hexachlorocyclopentadiene	UG/L	11 U	12 U	ND	ND	0/3
Hexachloroethane	UG/L	11 U	12 U	ND	ND	0/3
Indeno[1,2,3-cd]pyrene	UG/L	11 U	12 U	ND	ND	0/3
Isophorone	UG/L	11 U	12 U	ND	ND	0/3
Naphthalene	UG/L	11 U	12 U	ND	ND	0/3
Nitrobenzene	UG/L	11 U	12 U	ND	ND	0/3
N-Nitroso-di-n-propylamine	UG/L	11 U	12 U	ND	ND	0/3
N-nitrosodiphenylamine	UG/L	11 U	12 U	ND	ND	0/3
Pentachlorophenol	UG/L	27.5 U	30 U	ND	ND	0/3
Phenanthrene	UG/L	11 U	12 U	ND	ND	0/3
Phenol	UG/L	11 U	12 U	ND	ND	0/3
Pyrene	UG/L	11 U	12 U	ND	ND	0/3

FREQUENCY OF DETECTION SUMMARY
OPERABLE UNIT NO. 4 (SITE 74)
PESTICIDE DISPOSAL AREA SURFACE WATER
MCB CAMP LEJEUNE, NORTH CAROLINA
REMEDIAL INVESTIGATION - CTO-0212
ORGANICS

Client Sample ID: Laboratory Sample ID: Date Sampled:	MINIMUM NONDETECTED	MAXIMUM NONDETECTED	MINIMUM DETECTED	MAXIMUM DETECTED	LOCATION OF MAXIMUM DETECTED	FREQUENCY OF DETECTION
VOLATILES						
Chloromethane	UG/L	10 U	10 U	ND	ND	0/3
Bromomethane	UG/L	10 U	10 U	ND	ND	0/3
Vinyl chloride	UG/L	10 U	10 U	ND	ND	0/3
Chloroethane	UG/L	10 U	10 U	ND	ND	0/3
Methylene chloride	UG/L	10 U	17 U	ND	ND	0/3
Acetone	UG/L	10 U	10 U	ND	ND	0/3
Carbon Disulfide	UG/L	10 U	10 U	ND	ND	0/3
1,1-Dichloroethene	UG/L	10 U	10 U	ND	ND	0/3
1,1-Dichloroethane	UG/L	10 U	10 U	ND	ND	0/3
1,2-Dichloroethene(total)	UG/L	10 U	10 U	ND	ND	0/3
Chloroform	UG/L	10 U	10 U	ND	ND	0/3
1,2-Dichloroethane	UG/L	10 U	10 U	ND	ND	0/3
2-Butanone	UG/L	10 U	10 U	ND	ND	0/3
1,1,1-Trichloroethane	UG/L	10 U	10 U	ND	ND	0/3
Carbon tetrachloride	UG/L	10 U	10 U	ND	ND	0/3
Bromodichloromethane	UG/L	10 U	10 U	ND	ND	0/3
1,2-Dichloropropane	UG/L	10 U	10 U	ND	ND	0/3
cis-1,3-Dichloropropene	UG/L	10 U	10 U	ND	ND	0/3
Trichloroethene	UG/L	10 U	10 U	ND	ND	0/3
Dibromochloromethane	UG/L	10 U	10 U	ND	ND	0/3
1,1,2-Trichloroethane	UG/L	10 U	10 U	ND	ND	0/3
Benzene	UG/L	10 U	10 U	ND	ND	0/3
trans-1,3-Dichloropropene	UG/L	10 U	10 U	ND	ND	0/3
Bromoform	UG/L	10 U	10 U	ND	ND	0/3
4-Methyl-2-pentanone	UG/L	10 U	10 U	ND	ND	0/3
2-Hexanone	UG/L	10 U	10 U	ND	ND	0/3
Tetrachloroethene	UG/L	10 U	10 U	ND	ND	0/3
1,1,2,2-Tetrachloroethane	UG/L	10 U	10 U	ND	ND	0/3
Toluene	UG/L	10 U	10 U	ND	ND	0/3
Chlorobenzene	UG/L	10 U	10 U	ND	ND	0/3
Ethylbenzene	UG/L	10 U	10 U	ND	ND	0/3
Styrene	UG/L	10 U	10 U	ND	ND	0/3
Xylenes (total)	UG/L	10 U	10 U	ND	ND	0/3

FREQUENCY OF DETECTION SUMMARY
OPERABLE UNIT NO. 4 (SITE 74)
PESTICIDE DISPOSAL AREA SURFACE WATER
MCB CAMP LEJEUNE, NORTH CAROLINA
REMEDIAL INVESTIGATION - CTO-0212
ORGANICS

Client Sample ID: Laboratory Sample ID: Date Sampled:	MINIMUM NONDETECTED	MAXIMUM NONDETECTED	MINIMUM DETECTED	MAXIMUM DETECTED	LOCATION OF MAXIMUM DETECTED	FREQUENCY OF DETECTION
	UNITS					
	PESTICIDE/PCBS					
alpha-BHC	UG/L	0.053 UJ	0.059 UJ	ND	ND	0/3
beta-BHC	UG/L	0.053 UJ	0.059 UJ	ND	ND	0/3
delta-BHC	UG/L	0.053 UJ	0.059 UJ	ND	ND	0/3
Lindane (gamma-BHC)	UG/L	0.053 UJ	0.059 UJ	ND	ND	0/3
Heptachlor	UG/L	0.01 UJ	0.03 UJ	ND	ND	0/3
Aldrin	UG/L	0.053 UJ	0.059 UJ	ND	ND	0/3
Heptachlor epoxide	UG/L	0.053 UJ	0.059 UJ	ND	ND	0/3
Endosulfan I	UG/L	0.053 UJ	0.059 UJ	ND	ND	0/3
Dieldrin	UG/L	0.106 UJ	0.118 UJ	ND	ND	0/3
4,4'-DDE	UG/L	0.106 UJ	0.118 UJ	ND	ND	0/3
Endrin	UG/L	0.106 UJ	0.118 UJ	ND	ND	0/3
Endosulfan II	UG/L	0.106 UJ	0.118 UJ	ND	ND	0/3
4,4'-DDD	UG/L	0.106 UJ	0.118 UJ	ND	ND	0/3
Endosulfan sulfate	UG/L	0.106 UJ	0.118 UJ	ND	ND	0/3
4,4'-DDT	UG/L	0.106 UJ	0.118 UJ	ND	ND	0/3
Methoxychlor	UG/L	0.532 UJ	0.588 UJ	ND	ND	0/3
Endrin ketone	UG/L	0.106 UJ	0.118 UJ	ND	ND	0/3
Endrin aldehyde	UG/L	0.106 UJ	0.118 UJ	ND	ND	0/3
alpha-Chlordane	UG/L	0.053 UJ	0.059 UJ	ND	ND	0/3
gamma-Chlordane	UG/L	0.053 UJ	0.059 UJ	ND	ND	0/3
Toxaphene	UG/L	5.32 UJ	5.88 UJ	ND	ND	0/3
Aroclor 1016	UG/L	1.06 UJ	1.18 UJ	ND	ND	0/3
Aroclor 1221	UG/L	2.13 UJ	2.35 UJ	ND	ND	0/3
Aroclor 1232	UG/L	1.06 UJ	1.18 UJ	ND	ND	0/3
Aroclor 1242	UG/L	1.06 UJ	1.18 UJ	ND	ND	0/3
Aroclor 1248	UG/L	1.06 UJ	1.18 UJ	ND	ND	0/3
Aroclor 1254	UG/L	1.06 UJ	1.18 UJ	ND	ND	0/3
Aroclor 1260	UG/L	1.06 UJ	1.18 UJ	ND	ND	0/3

APPENDIX O.26
SITE 74 PESTICIDE DISPOSAL AREA
SURFACE WATER INORGANICS

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 74)
 PESTICIDE DISPOSAL AREA SURFACE WATER
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 TAL METALS

Client Sample ID:	74-PDA-SW01	74-PDA-SW02	74-PDA-SW03
Laboratory Sample ID:	9401136-01	9401136-02	9401136-03
Date Sampled:	01/24/94	01/24/94	01/24/94

	UNITS			
Aluminum	UG/L	492.0 J	309.0 J	127.0 J
Antimony	UG/L	7.90 U	7.90 U	7.90 U
Arsenic	UG/L	2.90 U	2.90 U	2.90 U
Barium	UG/L	13.7 U	13.7 U	13.7 U
Beryllium	UG/L	1.29 U	1.29 U	1.29 U
Cadmium	UG/L	2.35 U	2.35 U	2.35 U
Calcium	UG/L	11500.0	11700.0	10400.0
Chromium	UG/L	7.35 U	7.35 U	7.35 U
Cobalt	UG/L	19.4 U	19.4 U	19.4 U
Copper	UG/L	16.2 U	16.2 U	16.2 U
Iron	UG/L	273.0	274.0	138.0
Lead	UG/L	5.84 N	6.04 J	1.62 J
Magnesium	UG/L	856.0	881.0	782.0
Manganese	UG/L	5.25 U	5.25 U	5.25 U
Mercury	UG/L	0.100 U	0.100 U	0.100 U
Nickel	UG/L	13.6 U	13.6 U	13.6 U
Potassium	UG/L	719	448	300 U
Selenium	UG/L	2.53 U	2.53 U	2.53 U
Silver	UG/L	0.400 UJ	0.400 UJ	0.400 UJ
Sodium	UG/L	19800	21700	13400
Thallium	UG/L	4.60 U	4.60 U	4.60 U
Vanadium	UG/L	16.6 U	16.6 U	16.6 U
Zinc	UG/L	18.5 U	11.2 U	9.95 U
Total Cyanide	UG/L	5.00 U	5.00 U	5.00 U

FREQUENCY OF DETECTION SUMMARY
OPERABLE UNIT NO. 4 (SITE 74)
PESTICIDE DISPOSAL AREA SURFACE WATER
MCB CAMP LEJEUNE, NORTH CAROLINA
REMEDIAL INVESTIGATION - CTO-0212
TAL METALS

Client Sample ID: Laboratory Sample ID: Date Sampled:	MINIMUM NONDETECTED	MAXIMUM NONDETECTED	MINIMUM DETECTED	MAXIMUM DETECTED	LOCATION OF MAXIMUM DETECTED	FREQUENCY OF DETECTION	
	UNITS						
Aluminum	UG/L	NA	NA	127 J	492 J	74-PDA-SW01	3/3
Antimony	UG/L	7.9 U	7.9 U	ND	ND		0/3
Arsenic	UG/L	2.9 U	2.9 U	ND	ND		0/3
Barium	UG/L	13.7 U	13.7 U	ND	ND		0/3
Beryllium	UG/L	1.29 U	1.29 U	ND	ND		0/3
Cadmium	UG/L	2.35 U	2.35 U	ND	ND		0/3
Calcium	UG/L	NA	NA	10400	11700	74-PDA-SW02	3/3
Chromium	UG/L	7.35 U	7.35 U	ND	ND		0/3
Cobalt	UG/L	19.4 U	19.4 U	ND	ND		0/3
Copper	UG/L	16.2 U	16.2 U	ND	ND		0/3
Iron	UG/L	NA	NA	138	274	74-PDA-SW02	3/3
Lead	UG/L	NA	NA	1.62 J	6.04 J	74-PDA-SW02	3/3
Magnesium	UG/L	NA	NA	782	881	74-PDA-SW02	3/3
Manganese	UG/L	5.25 U	5.25 U	ND	ND		0/3
Mercury	UG/L	0.1 U	0.1 U	ND	ND		0/3
Nickel	UG/L	13.6 U	13.6 U	ND	ND		0/3
Potassium	UG/L	300 U	300 U	448	719	74-PDA-SW01	2/3
Selenium	UG/L	2.53 U	2.53 U	ND	ND		0/3
Silver	UG/L	0.4 UJ	0.4 UJ	ND	ND		0/3
Sodium	UG/L	NA	NA	13400	21700	74-PDA-SW02	3/3
Thallium	UG/L	4.6 U	4.6 U	ND	ND		0/3
Vanadium	UG/L	16.6 U	16.6 U	ND	ND		0/3
Zinc	UG/L	9.95 U	18.5 U	ND	ND		0/3
Total Cyanide	UG/L	5 U	5 U	ND	ND		0/3

APPENDIX O.27
SITE 74 PESTICIDE DISPOSAL AREA SEDIMENT ORGANICS

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 74)
 PESTICIDE DISPOSAL AREA SEDIMENT
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	74-PDA-SD01-06	74-PDA-SD02-06	74-PDA-SD03-06	
Laboratory Sample ID:	9401137-01	9401137-02	9401137-03	
Date Sampled:	01/24/94	01/24/94	01/24/94	
Percent Solids	78.8	63.5	80.0	
SEMIVOLATILES				
1,2-Dichlorobenzene	UG/KG	418.0 U	525.0 U	412.0 U
1,2,4-Trichlorobenzene	UG/KG	418.0 U	525.0 U	412.0 U
1,3-Dichlorobenzene	UG/KG	418.0 U	525.0 U	412.0 U
1,4-Dichlorobenzene	UG/KG	418.0 U	525.0 U	412.0 U
2-Chloronaphthalene	UG/KG	418.0 U	525.0 U	412.0 U
2-Chlorophenol	UG/KG	418.0 U	525.0 U	412.0 U
2-Methylnaphthalene	UG/KG	418.0 U	525.0 U	412.0 U
2-Methylphenol	UG/KG	418.0 U	525.0 U	412.0 U
2-Nitroaniline	UG/KG	1010.0 U	1270.0 U	1000.0 U
2-Nitrophenol	UG/KG	418.0 U	525.0 U	412.0 U
2,2'-oxybis-(1-chloropropane)	UG/KG	418.0 U	525.0 U	412.0 U
2,4-Dichlorophenol	UG/KG	418.0 U	525.0 U	412.0 U
2,4-Dimethylphenol	UG/KG	418.0 U	525.0 U	412.0 U
2,4-Dinitrophenol	UG/KG	1010.0 U	1270.0 U	1000.0 U
2,4-Dinitrotoluene	UG/KG	418.0 U	525.0 U	412.0 U
2,4,5-Trichlorophenol	UG/KG	1010.0 U	1270.0 U	1000.0 U
2,4,6-Trichlorophenol	UG/KG	418.0 U	525.0 U	412.0 U
2,6-Dinitrotoluene	UG/KG	418.0 U	525.0 U	412.0 U
3-Nitroaniline	UG/KG	1010.0 U	1270.0 U	1000.0 U
3,3'-Dichlorobenzidine	UG/KG	418.0 U	525.0 U	140.0 J
4-Bromophenyl-phenylether	UG/KG	418.0 U	525.0 U	412.0 U
4-Chloro-3-methylphenol	UG/KG	418.0 U	525.0 U	412.0 U
4-Chloroaniline	UG/KG	418.0 U	525.0 U	412.0 U
4-Chlorophenyl phenyl ether	UG/KG	418.0 U	525.0 U	412.0 U
4-Methylphenol	UG/KG	418.0 U	525.0 U	412.0 U
4-Nitroaniline	UG/KG	1010.0 U	1270.0 U	1000.0 U
4-Nitrophenol	UG/KG	1010.0 U	1270.0 U	1000.0 U
4,6-Dinitro-2-methylphenol	UG/KG	1010.0 U	1270.0 U	1000.0 U
Acenaphthene	UG/KG	418.0 U	525.0 U	412.0 U
Acenaphthylene	UG/KG	418.0 U	525.0 U	412.0 U
Anthracene	UG/KG	418.0 U	525.0 U	412.0 U
Benzo[a]anthracene	UG/KG	418.0 U	525.0 U	412.0 U
Benzo[a]pyrene	UG/KG	418.0 U	525.0 U	412.0 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 74)
 PESTICIDE DISPOSAL AREA SEDIMENT
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	74-PDA-SD01-06	74-PDA-SD02-06	74-PDA-SD03-06
Laboratory Sample ID:	9401137-01	9401137-02	9401137-03
Date Sampled:	01/24/94	01/24/94	01/24/94
Percent Solids	78.8	63.5	80.0

SEMIVOLATILES Cont.

Benzo[b]fluoranthene	UG/KG	418.0 U	525.0 U	412.0 U
Benzo[g,h,i]perylene	UG/KG	418.0 U	525.0 U	412.0 U
Benzo[k]fluoranthene	UG/KG	418.0 U	525.0 U	412.0 U
bis(2-Chloroethoxy) methane	UG/KG	418.0 U	525.0 U	412.0 U
bis(2-Chloroethyl) ether	UG/KG	418.0 U	525.0 U	412.0 U
bis(2-Ethylhexyl)phthalate	UG/KG	418.0 U	525.0 U	412.0 U
Butyl benzyl phthalate	UG/KG	418.0 U	525.0 U	412.0 U
Carbazole	UG/KG	418.0 U	525.0 U	412.0 U
Chrysene	UG/KG	418.0 U	525.0 U	412.0 U
Dibenzofuran	UG/KG	418.0 U	525.0 U	412.0 U
Dibenz[a,h]anthracene	UG/KG	418.0 U	525.0 U	412.0 U
Diethylphthalate	UG/KG	418.0 U	525.0 U	412.0 U
Dimethyl phthalate	UG/KG	418.0 U	525.0 U	412.0 U
di-n-Butylphthalate	UG/KG	420.0 U	530.0 U	420.0 U
di-n-Octylphthalate	UG/KG	418.0 U	525.0 U	412.0 U
Fluoranthene	UG/KG	418.0 U	525.0 U	412.0 U
Fluorene	UG/KG	418.0 U	525.0 U	412.0 U
Hexachlorobenzene	UG/KG	418.0 U	525.0 U	412.0 U
Hexachlorobutadiene	UG/KG	418.0 U	525.0 U	412.0 U
Hexachlorocyclopentadiene	UG/KG	418.0 U	525.0 U	412.0 U
Hexachloroethane	UG/KG	418.0 U	525.0 U	412.0 U
Indeno[1,2,3-cd]pyrene	UG/KG	418.0 U	525.0 U	412.0 U
Isophorone	UG/KG	418.0 U	525.0 U	412.0 U
Naphthalene	UG/KG	418.0 U	525.0 U	412.0 U
Nitrobenzene	UG/KG	418.0 U	525.0 U	412.0 U
N-Nitroso-di-n-propylamine	UG/KG	418.0 U	525.0 U	412.0 U
N-nitrosodiphenylamine	UG/KG	418.0 U	525.0 U	412.0 U
Pentachlorophenol	UG/KG	1010.0 U	1270.0 U	1000.0 U
Phenanthrene	UG/KG	418.0 U	525.0 U	412.0 U
Phenol	UG/KG	418.0 U	525.0 U	412.0 U
Pyrene	UG/KG	418.0 U	525.0 U	412.0 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 74)
 PESTICIDE DISPOSAL AREA SEDIMENT
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	74-PDA-SD01-06	74-PDA-SD02-06	74-PDA-SD03-06	
Laboratory Sample ID:	9401137-01	9401137-02	9401137-03	
Date Sampled:	01/24/94	01/24/94	01/24/94	
Percent Solids	78.8	63.5	80.0	
VOLATILES				
Chloromethane	UG/KG	12.7 U	15.8 U	12.5 U
Bromomethane	UG/KG	12.7 U	15.8 U	12.5 U
Vinyl chloride	UG/KG	12.7 U	15.8 U	12.5 U
Chloroethane	UG/KG	12.7 U	15.8 U	12.5 U
Methylene chloride	UG/KG	13.00 U	16.0 U	12.0 U
Acetone	UG/KG	12.7 UJ	15.8 UJ	12.00 UJ
Carbon Disulfide	UG/KG	12.7 U	15.8 U	12.5 U
1,1-Dichloroethene	UG/KG	12.7 U	15.8 U	12.5 U
1,1-Dichloroethane	UG/KG	12.7 U	15.8 U	12.5 U
1,2-Dichloroethene(total)	UG/KG	12.7 U	15.8 U	12.5 U
Chloroform	UG/KG	12.7 U	15.8 U	12.5 U
1,2-Dichloroethane	UG/KG	12.7 U	15.8 U	12.5 U
2-Butanone	UG/KG	12.7 U	15.8 U	12.5 U
1,1,1-Trichloroethane	UG/KG	12.7 U	15.8 U	12.5 U
Carbon tetrachloride	UG/KG	12.7 U	15.8 U	12.5 U
Bromodichloromethane	UG/KG	12.7 U	15.8 U	12.5 U
1,2-Dichloropropane	UG/KG	12.7 U	15.8 U	12.5 U
cis-1,3-Dichloropropene	UG/KG	12.7 U	15.8 U	12.5 U
Trichloroethene	UG/KG	8.00 J	15.8 U	12.5 U
Dibromochloromethane	UG/KG	12.7 U	15.8 U	12.5 U
1,1,2-Trichloroethane	UG/KG	12.7 U	15.8 U	12.5 U
Benzene	UG/KG	12.7 U	15.8 U	12.5 U
trans-1,3-Dichloropropene	UG/KG	12.7 U	15.8 U	12.5 U
Bromoform	UG/KG	12.7 U	15.8 U	12.5 U
4-Methyl-2-pentanone	UG/KG	12.7 U	15.8 U	12.5 U
2-Hexanone	UG/KG	12.7 U	15.8 U	12.5 U
Tetrachloroethene	UG/KG	12.7 U	15.8 U	12.5 U
1,1,2,2-Tetrachloroethane	UG/KG	12.7 U	15.8 U	12.5 U
Toluene	UG/KG	12.7 U	15.8 U	12.5 U
Chlorobenzene	UG/KG	12.7 U	15.8 U	12.5 U
Ethylbenzene	UG/KG	12.7 U	15.8 U	12.5 U
Styrene	UG/KG	12.7 U	15.8 U	12.5 U
Xylenes (total)	UG/KG	12.7 U	15.8 U	12.5 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 74)
 PESTICIDE DISPOSAL AREA SEDIMENT
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:	74-PDA-SD01-06	74-PDA-SD02-06	74-PDA-SD03-06	
Laboratory Sample ID:	9401137-01	9401137-02	9401137-03	
Date Sampled:	01/24/94	01/24/94	01/24/94	
Percent Solids	78.8	63.5	80.0	
PESTICIDE/PCBS				
alpha-BHC	UG/KG	2.15 UJ	2.70 UJ	2.12 UJ
beta-BHC	UG/KG	2.15 U	2.70 UJ	2.12 UJ
delta-BHC	UG/KG	2.15 UJ	2.70 UJ	2.12 UJ
Lindane (gamma-BHC)	UG/KG	2.15 U	2.70 UJ	2.12 UJ
Heptachlor	UG/KG	2.15 U	2.70 UJ	2.12 UJ
Aldrin	UG/KG	2.15 U	2.70 UJ	2.12 UJ
Heptachlor epoxide	UG/KG	2.15 U	2.70 UJ	2.12 UJ
Endosulfan I	UG/KG	2.15 U	2.70 UJ	2.12 UJ
Dieldrin	UG/KG	4.18 U	5.24 UJ	4.12 UJ
4,4'-DDE	UG/KG	1.85 J	0.900 J	4.12 UJ
Endrin	UG/KG	4.18 U	5.24 UJ	4.12 UJ
Endosulfan II	UG/KG	0.630 J	5.24 UJ	0.800 JP
4,4'-DDD	UG/KG	4.19 U	5.24 UJ	4.12 UJ
Endosulfan sulfate	UG/KG	4.18 U	5.24 UJ	4.12 UJ
4,4'-DDT	UG/KG	4.18 UJ	0.820 NJ	4.12 UJ
Methoxychlor	UG/KG	21.5 UJ	0.830 J	21.2 UJ
Endrin ketone	UG/KG	4.18 U	5.24 UJ	4.12 UJ
Endrin aldehyde	UG/KG	4.18 U	5.24 UJ	1.35 NJ
alpha-Chlordane	UG/KG	2.15 U	2.70 UJ	2.12 UJ
gamma-Chlordane	UG/KG	2.15 U	2.70 UJ	2.12 UJ
Toxaphene	UG/KG	215.0 U	270.0 UJ	212.0 UJ
Aroclor 1016	UG/KG	41.8 U	52.4 UJ	41.2 UJ
Aroclor 1221	UG/KG	84.8 U	106.0 UJ	83.8 UJ
Aroclor 1232	UG/KG	41.8 U	52.4 UJ	41.2 UJ
Aroclor 1242	UG/KG	41.8 U	52.4 UJ	41.2 UJ
Aroclor 1248	UG/KG	41.8 U	52.4 UJ	41.2 UJ
Aroclor 1254	UG/KG	41.8 U	52.4 UJ	41.2 UJ
Aroclor 1260	UG/KG	41.8 U	52.4 UJ	41.2 UJ

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 74)
 PESTICIDE DISPOSAL AREA SEDIMENT
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID: Laboratory Sample ID: Date Sampled: Percent Solids	MINIMUM NONDETECTED	MAXIMUM NONDETECTED	MINIMUM DETECTED	MAXIMUM DETECTED	LOCATION OF MAXIMUM DETECTED	FREQUENCY OF DETECTION
SEMIVOLATILES						
1,2-Dichlorobenzene	UG/KG	412 U	525 U	ND	ND	0/3
1,2,4-Trichlorobenzene	UG/KG	412 U	525 U	ND	ND	0/3
1,3-Dichlorobenzene	UG/KG	412 U	525 U	ND	ND	0/3
1,4-Dichlorobenzene	UG/KG	412 U	525 U	ND	ND	0/3
2-Chloronaphthalene	UG/KG	412 U	525 U	ND	ND	0/3
2-Chlorophenol	UG/KG	412 U	525 U	ND	ND	0/3
2-Methylnaphthalene	UG/KG	412 U	525 U	ND	ND	0/3
2-Methylphenol	UG/KG	412 U	525 U	ND	ND	0/3
2-Nitroaniline	UG/KG	1000 U	1270 U	ND	ND	0/3
2-Nitrophenol	UG/KG	412 U	525 U	ND	ND	0/3
2,2'-oxybis-(1-chloropropane)	UG/KG	412 U	525 U	ND	ND	0/3
2,4-Dichlorophenol	UG/KG	412 U	525 U	ND	ND	0/3
2,4-Dimethylphenol	UG/KG	412 U	525 U	ND	ND	0/3
2,4-Dinitrophenol	UG/KG	1000 U	1270 U	ND	ND	0/3
2,4-Dinitrotoluene	UG/KG	412 U	525 U	ND	ND	0/3
2,4,5-Trichlorophenol	UG/KG	1000 U	1270 U	ND	ND	0/3
2,4,6-Trichlorophenol	UG/KG	412 U	525 U	ND	ND	0/3
2,6-Dinitrotoluene	UG/KG	412 U	525 U	ND	ND	0/3
3-Nitroaniline	UG/KG	1000 U	1270 U	ND	ND	0/3
3,3'-Dichlorobenzidine	UG/KG	418 U	525 U	140 J	140 J	74-PDA-SD03-06 1/3
4-Bromophenyl-phenylether	UG/KG	412 U	525 U	ND	ND	0/3
4-Chloro-3-methylphenol	UG/KG	412 U	525 U	ND	ND	0/3
4-Chloroaniline	UG/KG	412 U	525 U	ND	ND	0/3
4-Chlorophenyl phenyl ether	UG/KG	412 U	525 U	ND	ND	0/3
4-Methylphenol	UG/KG	412 U	525 U	ND	ND	0/3
4-Nitroaniline	UG/KG	1000 U	1270 U	ND	ND	0/3
4-Nitrophenol	UG/KG	1000 U	1270 U	ND	ND	0/3
4,6-Dinitro-2-methylphenol	UG/KG	1000 U	1270 U	ND	ND	0/3
Acenaphthene	UG/KG	412 U	525 U	ND	ND	0/3
Acenaphthylene	UG/KG	412 U	525 U	ND	ND	0/3
Anthracene	UG/KG	412 U	525 U	ND	ND	0/3
Benzo[a]anthracene	UG/KG	412 U	525 U	ND	ND	0/3
Benzo[a]pyrene	UG/KG	412 U	525 U	ND	ND	0/3

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 74)
 PESTICIDE DISPOSAL AREA SEDIMENT
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:						
Laboratory Sample ID:						
Date Sampled:		MINIMUM	MAXIMUM	MINIMUM	MAXIMUM	LOCATION OF
Percent Solids	NONDETECTED	NONDETECTED	DETECTED	DETECTED	DETECTED	FREQUENCY
						OF
						DETECTION
<u>SEMIVOLATILES Cont.</u>						
Benzo[b]fluoranthene	UG/KG	412 U	525 U	ND	ND	0/3
Benzo[g,h,i]perylene	UG/KG	412 U	525 U	ND	ND	0/3
Benzo[k]fluoranthene	UG/KG	412 U	525 U	ND	ND	0/3
bis(2-Chloroethoxy) methane	UG/KG	412 U	525 U	ND	ND	0/3
bis(2-Chloroethyl) ether	UG/KG	412 U	525 U	ND	ND	0/3
bis(2-Ethylhexyl)phthalate	UG/KG	412 U	525 U	ND	ND	0/3
Butyl benzyl phthalate	UG/KG	412 U	525 U	ND	ND	0/3
Carbazole	UG/KG	412 U	525 U	ND	ND	0/3
Chrysene	UG/KG	412 U	525 U	ND	ND	0/3
Dibenzofuran	UG/KG	412 U	525 U	ND	ND	0/3
Dibenz[a,h]anthracene	UG/KG	412 U	525 U	ND	ND	0/3
Diethylphthalate	UG/KG	412 U	525 U	ND	ND	0/3
Dimethyl phthalate	UG/KG	412 U	525 U	ND	ND	0/3
di-n-Butylphthalate	UG/KG	420 U	530 U	ND	ND	0/3
di-n-Octylphthalate	UG/KG	412 U	525 U	ND	ND	0/3
Fluoranthene	UG/KG	412 U	525 U	ND	ND	0/3
Fluorene	UG/KG	412 U	525 U	ND	ND	0/3
Hexachlorobenzene	UG/KG	412 U	525 U	ND	ND	0/3
Hexachlorobutadiene	UG/KG	412 U	525 U	ND	ND	0/3
Hexachlorocyclopentadiene	UG/KG	412 U	525 U	ND	ND	0/3
Hexachloroethane	UG/KG	412 U	525 U	ND	ND	0/3
Indeno[1,2,3-cd]pyrene	UG/KG	412 U	525 U	ND	ND	0/3
Isophorone	UG/KG	412 U	525 U	ND	ND	0/3
Naphthalene	UG/KG	412 U	525 U	ND	ND	0/3
Nitrobenzene	UG/KG	412 U	525 U	ND	ND	0/3
N-Nitroso-di-n-propylamine	UG/KG	412 U	525 U	ND	ND	0/3
N-nitrosodiphenylamine	UG/KG	412 U	525 U	ND	ND	0/3
Pentachlorophenol	UG/KG	1000 U	1270 U	ND	ND	0/3
Phenanthrene	UG/KG	412 U	525 U	ND	ND	0/3
Phenol	UG/KG	412 U	525 U	ND	ND	0/3
Pyrene	UG/KG	412 U	525 U	ND	ND	0/3

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 74)
 PESTICIDE DISPOSAL AREA SEDIMENT
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID:
 Laboratory Sample ID:

Date Sampled:

Percent Solids		MINIMUM NONDETECTED	MAXIMUM NONDETECTED	MINIMUM DETECTED	MAXIMUM DETECTED	LOCATION OF MAXIMUM DETECTED	FREQUENCY OF DETECTION
<u>VOLATILES</u>							
Chloromethane	UG/KG	12.5 U	15.8 U	ND	ND		0/3
Bromomethane	UG/KG	12.5 U	15.8 U	ND	ND		0/3
Vinyl chloride	UG/KG	12.5 U	15.8 U	ND	ND		0/3
Chloroethane	UG/KG	12.5 U	15.8 U	ND	ND		0/3
Methylene chloride	UG/KG	12 U	16 U	ND	ND		0/3
Acetone	UG/KG	12 UJ	15.8 UJ	ND	ND		0/3
Carbon Disulfide	UG/KG	12.5 U	15.8 U	ND	ND		0/3
1,1-Dichloroethene	UG/KG	12.5 U	15.8 U	ND	ND		0/3
1,1-Dichloroethane	UG/KG	12.5 U	15.8 U	ND	ND		0/3
1,2-Dichloroethene(total)	UG/KG	12.5 U	15.8 U	ND	ND		0/3
Chloroform	UG/KG	12.5 U	15.8 U	ND	ND		0/3
1,2-Dichloroethane	UG/KG	12.5 U	15.8 U	ND	ND		0/3
2-Butanone	UG/KG	12.5 U	15.8 U	ND	ND		0/3
1,1,1-Trichloroethane	UG/KG	12.5 U	15.8 U	ND	ND		0/3
Carbon tetrachloride	UG/KG	12.5 U	15.8 U	ND	ND		0/3
Bromodichloromethane	UG/KG	12.5 U	15.8 U	ND	ND		0/3
1,2-Dichloropropane	UG/KG	12.5 U	15.8 U	ND	ND		0/3
cis-1,3-Dichloropropene	UG/KG	12.5 U	15.8 U	ND	ND		0/3
Trichloroethene	UG/KG	12.5 U	15.8 U	8 J	8 J	74-PDA-SD01-06	1/3
Dibromochloromethane	UG/KG	12.5 U	15.8 U	ND	ND		0/3
1,1,2-Trichloroethane	UG/KG	12.5 U	15.8 U	ND	ND		0/3
Benzene	UG/KG	12.5 U	15.8 U	ND	ND		0/3
trans-1,3-Dichloropropene	UG/KG	12.5 U	15.8 U	ND	ND		0/3
Bromoform	UG/KG	12.5 U	15.8 U	ND	ND		0/3
4-Methyl-2-pentanone	UG/KG	12.5 U	15.8 U	ND	ND		0/3
2-Hexanone	UG/KG	12.5 U	15.8 U	ND	ND		0/3
Tetrachloroethene	UG/KG	12.5 U	15.8 U	ND	ND		0/3
1,1,2,2-Tetrachloroethane	UG/KG	12.5 U	15.8 U	ND	ND		0/3
Toluene	UG/KG	12.5 U	15.8 U	ND	ND		0/3
Chlorobenzene	UG/KG	12.5 U	15.8 U	ND	ND		0/3
Ethylbenzene	UG/KG	12.5 U	15.8 U	ND	ND		0/3
Styrene	UG/KG	12.5 U	15.8 U	ND	ND		0/3
Xylenes (total)	UG/KG	12.5 U	15.8 U	ND	ND		0/3

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 74)
 PESTICIDE DISPOSAL AREA SEDIMENT
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 ORGANICS

Client Sample ID: Laboratory Sample ID: Date Sampled: Percent Solids		MINIMUM NONDETECTED	MAXIMUM NONDETECTED	MINIMUM DETECTED	MAXIMUM DETECTED	LOCATION OF MAXIMUM DETECTED	FREQUENCY OF DETECTION
PESTICIDE/PCBS							
alpha-BHC	UG/KG	2.12 UJ	2.7 UJ	ND	ND		0/3
beta-BHC	UG/KG	2.12 UJ	2.7 UJ	ND	ND		0/3
delta-BHC	UG/KG	2.12 UJ	2.7 UJ	ND	ND		0/3
Lindane (gamma-BHC)	UG/KG	2.12 UJ	2.7 UJ	ND	ND		0/3
Heptachlor	UG/KG	2.12 UJ	2.7 UJ	ND	ND		0/3
Aldrin	UG/KG	2.12 UJ	2.7 UJ	ND	ND		0/3
Heptachlor epoxide	UG/KG	2.12 UJ	2.7 UJ	ND	ND		0/3
Endosulfan I	UG/KG	2.12 UJ	2.7 UJ	ND	ND		0/3
Dieldrin	UG/KG	4.12 UJ	5.24 UJ	ND	ND		0/3
4,4'-DDE	UG/KG	4.12 UJ	4.12 UJ	0.9 J	1.85 J	74-PDA-SD01-06	2/3
Endrin	UG/KG	4.12 UJ	5.24 UJ	ND	ND		0/3
Endosulfan II	UG/KG	5.24 UJ	5.24 UJ	0.63 J	0.8 JP	74-PDA-SD03-06	2/3
4,4'-DDD	UG/KG	4.12 UJ	5.24 UJ	ND	ND		0/3
Endosulfan sulfate	UG/KG	4.12 UJ	5.24 UJ	ND	ND		0/3
4,4'-DDT	UG/KG	4.12 UJ	4.18 UJ	0.82 NJ	0.82 NJ	74-PDA-SD02-06	1/3
Methoxychlor	UG/KG	21.2 UJ	21.5 UJ	0.83 J	0.83 J	74-PDA-SD02-06	1/3
Endrin ketone	UG/KG	4.12 UJ	5.24 UJ	ND	ND		0/3
Endrin aldehyde	UG/KG	4.18 U	5.24 UJ	1.35 NJ	1.35 NJ	74-PDA-SD03-06	1/3
alpha-Chlordane	UG/KG	2.12 UJ	2.7 UJ	ND	ND		0/3
gamma-Chlordane	UG/KG	2.12 UJ	2.7 UJ	ND	ND		0/3
Toxaphene	UG/KG	212 UJ	270 UJ	ND	ND		0/3
Aroclor 1016	UG/KG	41.2 UJ	52.4 UJ	ND	ND		0/3
Aroclor 1221	UG/KG	83.8 UJ	106 UJ	ND	ND		0/3
Aroclor 1232	UG/KG	41.2 UJ	52.4 UJ	ND	ND		0/3
Aroclor 1242	UG/KG	41.2 UJ	52.4 UJ	ND	ND		0/3
Aroclor 1248	UG/KG	41.2 UJ	52.4 UJ	ND	ND		0/3
Aroclor 1254	UG/KG	41.2 UJ	52.4 UJ	ND	ND		0/3
Aroclor 1260	UG/KG	41.2 UJ	52.4 UJ	ND	ND		0/3

APPENDIX O.28
SITE 74 PESTICIDE DISPOSAL AREA SEDIMENT INORGANICS

FREQUENCY OF DETECTION SUMMARY
OPERABLE UNIT NO. 4 (SITE 74)
PESTICIDE DISPOSAL AREA SEDIMENT
MCB CAMP LEJEUNE, NORTH CAROLINA
REMEDIAL INVESTIGATION - CTO-0212
TAL METALS

Client Sample ID:	74-PDA-SD01-06	74-PDA-SD02-06	74-PDA-SD03-06
Laboratory Sample ID:	9401137-01	9401137-02	9401137-03
Date Sampled:	01/24/94	01/24/94	01/24/94
Percent Solids	78.8	63.5	80.0

	<u>UNITS</u>			
Aluminum	MG/KG	584.0	3320.0	2160.0
Antimony	MG/KG	2.00 UJ	2.49 UJ	1.98 UJ
Arsenic	MG/KG	0.738 U	0.913 U	0.725 U
Barium	MG/KG	3.50 U	13.0	5.73
Beryllium	MG/KG	0.330 U	0.410 U	0.320 U
Cadmium	MG/KG	0.610 U	0.760 U	0.600 U
Calcium	MG/KG	178.0	725.0	208.0
Chromium	MG/KG	1.80 U	3.13	1.80
Cobalt	MG/KG	4.90 U	6.10 U	4.80 U
Copper	MG/KG	4.14 U	5.13 U	4.08 U
Iron	MG/KG	199.0	1530.0	1300.0
Lead	MG/KG	4.00 J	6.08 J	2.67 J
Magnesium	MG/KG	19.3	102.0	48.9
Manganese	MG/KG	3.32	5.27	2.76
Mercury	MG/KG	0.063 UJ	0.079 UJ	0.063 U
Nickel	MG/KG	3.50 U	4.30 U	3.40 U
Potassium	MG/KG	76.1 U	198.0 U	157.0 U
Selenium	MG/KG	0.642 U	0.797 U	1.02
Silver	MG/KG	0.102 UJ	0.126 UJ	0.100 UJ
Sodium	MG/KG	48.2 UJ	59.8 UJ	47.5 UJ
Thallium	MG/KG	1.17 U	1.45 U	1.15 U
Vanadium	MG/KG	4.20 U	5.90 U	4.40
Zinc	MG/KG	2.91 U	12.6	2.72 U

FREQUENCY OF DETECTION SUMMARY
 OPERABLE UNIT NO. 4 (SITE 74)
 PESTICIDE DISPOSAL AREA SEDIMENT
 MCB CAMP LEJEUNE, NORTH CAROLINA
 REMEDIAL INVESTIGATION - CTO-0212
 TAL METALS

Client Sample ID:
 Laboratory Sample ID:
 Date Sampled:
 Percent Solids

		MINIMUM	MAXIMUM	MINIMUM	MAXIMUM	LOCATION OF	FREQUENCY
		NONDETECTED	NONDETECTED	DETECTED	DETECTED	MAXIMUM	OF
						DETECTED	DETECTION
	<u>UNITS</u>						
Aluminum	MG/KG	NA	NA	584	3320	74-PDA-SD02-06	3/3
Antimony	MG/KG	1.98 UJ	2.49 UJ	ND	ND		0/3
Arsenic	MG/KG	0.725 U	0.913 U	ND	ND		0/3
Barium	MG/KG	3.5 U	3.5 U	5.73	13	74-PDA-SD02-06	2/3
Beryllium	MG/KG	0.32 U	0.41 U	ND	ND		0/3
Cadmium	MG/KG	0.6 U	0.76 U	ND	ND		0/3
Calcium	MG/KG	NA	NA	178	725	74-PDA-SD02-06	3/3
Chromium	MG/KG	1.8 U	1.8 U	1.8	3.13	74-PDA-SD02-06	2/3
Cobalt	MG/KG	4.8 U	6.1 U	ND	ND		0/3
Copper	MG/KG	4.08 U	5.13 U	ND	ND		0/3
Iron	MG/KG	NA	NA	199	1530	74-PDA-SD02-06	3/3
Lead	MG/KG	NA	NA	2.67 J	6.06 J	74-PDA-SD02-06	3/3
Magnesium	MG/KG	NA	NA	19.3	102	74-PDA-SD02-06	3/3
Manganese	MG/KG	NA	NA	2.76	5.27	74-PDA-SD02-06	3/3
Mercury	MG/KG	0.063 UJ	0.079 UJ	ND	ND		0/3
Nickel	MG/KG	3.4 U	4.3 U	ND	ND		0/3
Potassium	MG/KG	76.1 U	198 U	ND	ND		0/3
Selenium	MG/KG	0.642 U	0.797 U	1.02	1.02	74-PDA-SD03-06	1/3
Silver	MG/KG	0.1 UJ	0.126 UJ	ND	ND		0/3
Sodium	MG/KG	47.5 UJ	59.8 UJ	ND	ND		0/3
Thallium	MG/KG	1.15 U	1.45 U	ND	ND		0/3
Vanadium	MG/KG	4.2 U	5.9 U	4.4	4.4	74-PDA-SD03-06	1/3
Zinc	MG/KG	2.72 U	2.91 U	12.6	12.6	74-PDA-SD02-06	1/3