HAZWRAP

HAZARDOUS WASTE REMEDIAL ACTIONS PROGRAM

CRUTCHO AND KUHLMAN CREEKS AND TRIBUTARIES OF ELM CREEK

FINAL
REMEDIAL INVESTIGATION REPORT
VOLUME II OF III: APPENDICES A, B, C, D, & E

U.S. AIR FORCE
INSTALLATION RESTORATION PROGRAM
TINKER AIR FORCE BASE
OKLAHOMA CITY, OKLAHOMA

OCTOBER 1992

prepared by
HALLIBURTON NUS
Environmental Corporation

Prepared for
HAZARDOUS WASTE REMEDIAL ACTIONS PROGRAM
Oak Ridge, Tennessee 37831-7606
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HALLIBURTON NUS ENVIRONMENTAL CORPORATION
800 OAK RIDGE TURNPIKE, SUITE A-600
OAK RIDGE, TENNESSEE

PREPARED FOR:

HAZARDOUS WASTE REMEDIAL ACTIONS PROGRAM
OAK RIDGE, TENNESSEE
GENERAL ORDER NUMBER 13B-99784C
TASK ORDER Y-04

technologies and services for a cleaner and safer world

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APPENDIX A

SURFACE WATER AND SEDIMENT CONTAMINANT INDICATOR

SEDIMENT CONTAMINANT INDICATORS - JULY 1991 SAMPLES

LIST 1

Aluminum
Boron
Calcium
Carbonate/bicarbonate
Chloride
Fluoride
Iron
Magnesium
Manganese
Nitrate (as N)
Potassium
Phosphorus
Sodium
Soil pH (Hydrogen Ion)
Strontium
Sulfate
Total Organic Carbon (TOC)*

LIST 1A

Carbonate/bicarbonate
Hydrogen Ion (pH)
Total Organic Carbon (TOC)
Total Organic Halogen (TOX)
Total Phenols

SURFACE WATER CONTAMINANT INDICATORS - JULY 1991 SAMPLES

Alkalinity (µg/l as $CaCO_3$)

Biochemical Oxygen Demand (BOD)

Calcium

Chemical Oxygen Demand (COD)

Chloride

Dissolved Oxygen (DO)*

Dissolved solids

Magnesium

Nitrates

Nitrites

pH*

Salinity

Sodium

Specific Conductance*

Sulfate

Suspended solids

Temperature*

Total solids

Total Organic Carbon (TOC)

Total Organic Halogen (TOX)

Total Phenols

Turbidity

* Field Measurements

SEDIMENT CONTAMINANT INDICATORS - FEBRUARY AND APRIL 1992 SAMPLES

Alkalinity

Nitrate (as N)

Soil pH (Hydrogen Ion)

Total Organic Carbon (TOC)

Total Organic Halogen (EOX)

Phenolics

SURFACE WATER CONTAMINANT INDICATORS - FEBRUARY AND APRIL 1992 SAMPLES

Alkalinity (as $CaCO_3$)

Biochemical Oxygen Demand (BOD)

Chemical Oxygen Demand (COD)

Chloride

Dissolved Oxygen (DO)*

Dissolved solids

Fluoride

Hardness

Nitrates

pH*

Specific Conductance*

Suspended solids

Temperature*

Total Organic Carbon (TOC)

Turbidity

* Field Measurements

APPENDIX B

STREAM FLOW CALCULATION

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NUS CORPORATION AND SUBSIDIARIES	STANDARD CALCULATION SHEET

CLIENT: HAZWRAP TINKER AFB	FILE NO.: 3K92	BY: G. ADAMS	PAGE 1 OF 5
SUBJECT: STREAM FLOW CALCULATIONS		CHECKED BY: P. [illegible]	DATE: 11-1-91

OBJECTIVE : DETERMINE FLOW FROM MEASUREMENTS TAKEN AT:

a) V-NOTCH WEIR LOCATED ON KULMAN CREEK NEAR NORTHERN INSTALLATION BOUNDARY

b) WATER GATE SILL ON CRUTCHO CREEK NEAR THE NORTHERN INSTALLATION BOUNDARY

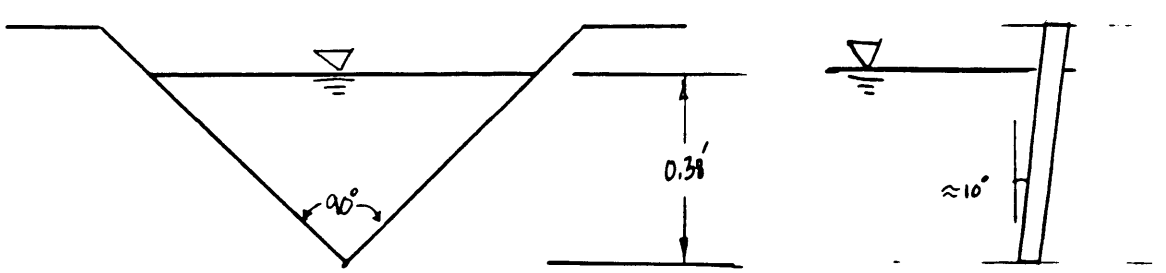
c) RECTANGLE NOTCH WEIR ON CRUTCHO CREEK NEAR SAMPLE POIN 15.

ASSUMPTIONS : SEE SOLUTIONS

REFERENCES : 1) "FLUID MECHANICS WITH ENGINEERING APPLICATIONS" 8th ED, DAUGHERTY, FRANZINI, FINNEMORE

2) CRUTCHO & KUHLMAN CREEK STUDY FIELD BOOK; FIELD NOTES PAGES 30, 31, 32, 48, 49

SOLUTION : a) SEE FIGURE 4-1 (ATTACHED) FOR V-NOTCH WEIR LOCATION. SEE DIAGRAM FOR DIMENSIONS



NUS CORPORATION AND SUBSIDIARIES			STANDARD CALCULATION SHEET
CLIENT: HAZWRAP TINKER AFB	FILE NO.: 3K92	BY: G. ADAMS	PAGE 2 OF
SUBJECT: STREAM FLOW		CHECKED BY: P. Ottinger	DATE: 11-1-91

FOR V-NOTCH WEIR, NEGLECTING 10° BATTER

$$Q = C_d \frac{8}{15}\sqrt{2g}\tan\frac{\theta}{2} H^{5/2}$$ (REF 1. EQ 12.27)

$C_d = 0.588$ (SEE FIG 12.28 ATTACHED)
$\theta = 90°$ (REF 2)
$H = 0.38$ ft (REF 2)

$$Q = 0.588\left(\frac{8}{15}\right)\sqrt{64.4}\tan 45 (0.38)^{5/2} = 0.22 \text{ cfs}$$

b) SEE FIGURE 4-1 (ATTACHED) FOR SILL GATE LOCATION
SEE ATTACHED DIAGRAM FOR DIMENSIONS.

FOR FLOW THROUGH THE GATE SILL

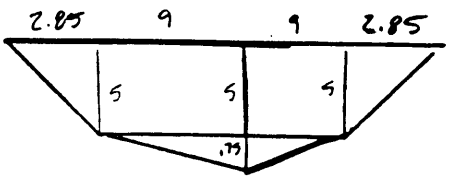
$$Q = AV$$

$V = (0.25 \text{ ft/s})(0.85) = 0.21$ fps (REF 2)

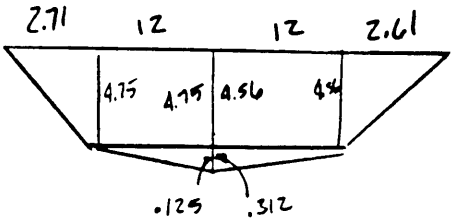
$A = \text{AREA}_1 + \text{AREA}_2 + \text{AREA}_3$

$A = 0.77 + 0.88 + 0.32 = 1.97 \text{ ft}^2$

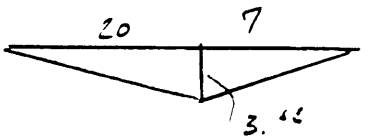
$Q = (1.97)(0.21) = 0.42$ cfs



$\text{AREA}_1 = 111.0 \text{ in}^2$



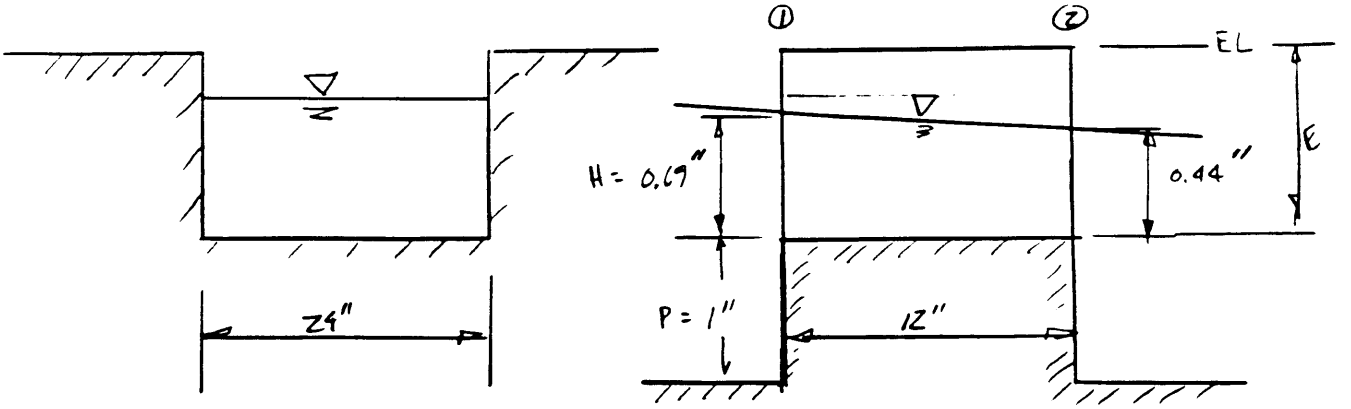
$\text{AREA}_2 = 126.7 \text{ in}^2$



$\text{AREA}_3 = 46.4 \text{ in}^2$

NUS CORPORATION AND SUBSIDIARIES			STANDARD CALCULATION SHEET
CLIENT: HAZWRAP TINKER AFB	FILE NO.: 3K92	BY: G. ADAMS	PAGE 3 OF 5
SUBJECT: STREAM FLOW		CHECKED BY: P. Ottinger	DATE: 11-4-91

c) SEE FIGURE 4-1 (ATTACHED) FOR BROAD CRESTED RETANGULAR NOTCH WEIR LOCATION. SEE DIAGRAM FOR DIMENSIONS.



WRITE ENERGY EQUATION FROM 1 TO 2 NEGLECTING FRICTION LOSS

ENERGY EQ

$$\frac{V_1^2}{2g} + \left(\frac{0.69}{12}\right) = \frac{V_2^2}{2g} + \left(\frac{0.44}{12}\right)$$

$$V_2^2 - V_1^2 = 2g\,(0.0208)$$

CONTINUITY EQ. $V_1 A = V_2 A_2$

$$V_1 (24)(0.69) = V_2 (24)(0.44)$$

$$V_1 = 0.64\,V_2$$

$$V_2^2 - (0.64 V_2)^2 = 1.34$$

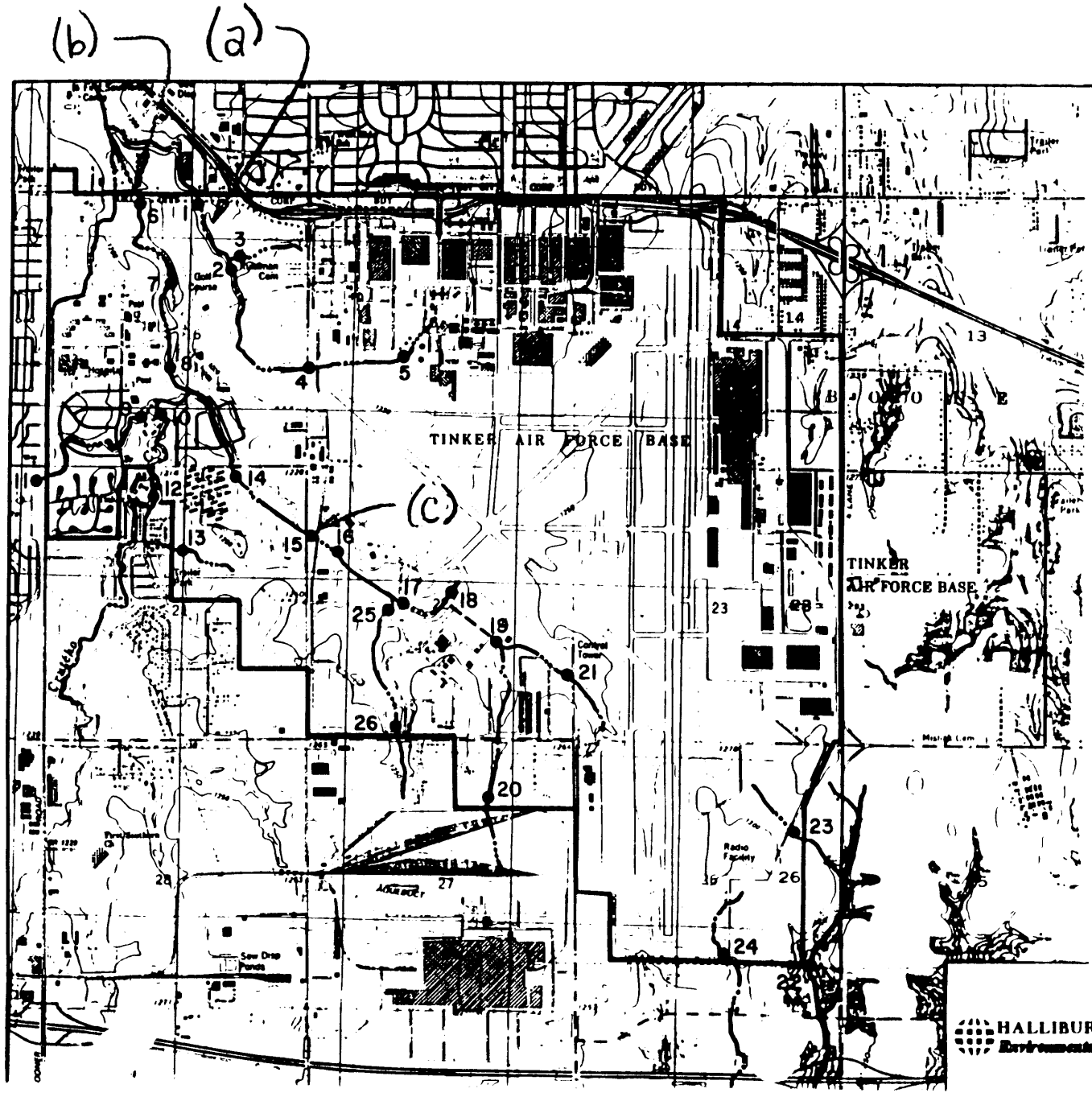
$$V_2 = 1.507 \text{ fps}$$

$$Q = (1.507)(24)(0.44)\left(\frac{1}{144}\right) = 0.11 \text{ cfs}$$

CHECK FLOW: $y_c = \left(\frac{q^2}{g}\right)^{1/3}$ where q = DISCHARGE / WIDTH

$$y_c = \left(\frac{0.055^2}{32.2}\right)^{1/3} = 0.046 \text{ ft} = 0.55 \text{ inches}$$

$$V_c = \sqrt{g y_c} = \sqrt{32.2\,(0.046)} = 1.212 \text{ fps}$$



LEGEND

INSTALLATION BOUNDARY

SAMPLE LOCATION 10●

CREEK

NOTE:
TAKEN FROM MIDWEST CITY (1986 EDITION) AND CHOCTAW, OKLAHOMA (1975 EDITION) U.S.G.S. 7.5' TOPOGRAPHIC QUADRANGLES.

N

GRAPHIC SCALE

2000' 0 2000' 4000' 6000'

FIGURE 4-1

HALLIBURTON NUS Environmental Corporation

TITLE

SAMPLE LOCATION MAP
TINKER AIR FORCE BASE
OKLAHOMA CITY, OKLAHOMA

5/5

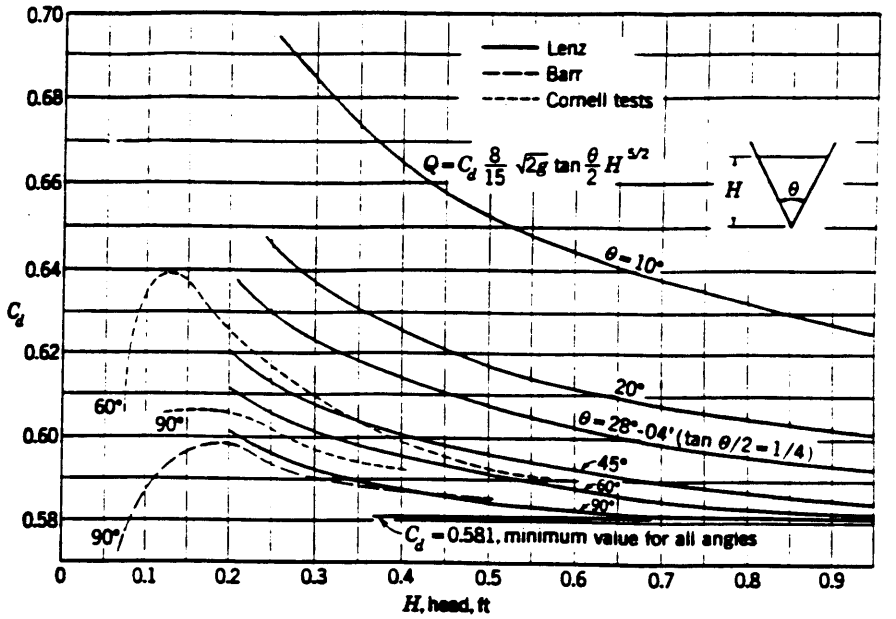


Figure 12.28 Coefficients for triangular weirs.

FROM: Ref. 1, page 433

NUS CORPORATION AND SUBSIDIARIES			STANDARD CALCULATION SHEET
CLIENT: HAZWRAP TINKER AFB	FILE NO.: 3K92	BY: P. OTTINGER	PAGE 1 OF
SUBJECT: STREAM FLOW CALCULATIONS		CHECKED BY: L. Smith	DATE: 4/24/92

Objective: Determine stream flow on Crutcho and Kuhlman Cks. from current meter and V-notch weir measurements taken in February 1992 at locations "A", "B" and "C" on the attached map.

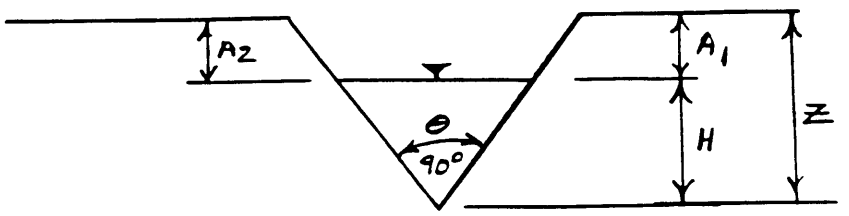
Assumptions: None

References:
1) "Fluid Mechanics with Engineering Applications", 8th Ed., Daugherty
2) "Discharge Measurements at Gaging Stations, USGS
3) Crutcho and Kuhlman Creek Study Field Book.

NUS CORPORATION AND SUBSIDIARIES			STANDARD CALCULATION SHEET
CLIENT: HAZWRAP TINKER AFB	FILE NO.: 3K92	BY: P. OTTINGER	PAGE 2 OF
SUBJECT: STREAM FLOW CALCULATIONS		CHECKED BY: L. Smith	DATE: 4/24/92

I. Flow at Location "A"

The weir was not level so a head reading was taken on each side of the weir.



90° V-Notch Weir

For V-Notch Weir

$$Q = C_d \, 8/15 \sqrt{2g} \, \tan \theta/2 \, H^{5/2}$$ (Ref. 1, Eq. 12.27)

$$H = z - \left[\frac{A_1 + A_2}{2} \right]$$

$$= 14\tfrac{1}{8}'' - \left[\frac{8\tfrac{9}{16}'' + 8\tfrac{14}{16}''}{2} \right]$$ (Ref. 3, p. 98)

$$= 5.41''$$
$$= 0.45'$$

$C_d = 0.586$ (Ref. 1, Fig. 12.23)

$\theta = 90°$

$$\therefore \quad Q = 0.586 \left(8/15\right) \sqrt{2(32.2)} \left(\tan\left(90/2\right)\right) 0.45^{(5/2)}$$

$$= 0.34 \text{ cfs} \quad (153 \text{ gpm})$$

II. FLOW AT LOCATION "B"

THE FLOW AT THIS LOCATION WAS MEASURED USING Current meter Methods (Ref. 2) AND A MARSH-McBirney FLO-MATE 2000.

A six-tenths observation depth was used and the stream X-section was divided into 13 partial sections. Stream Flow is calculated by the following general equation:

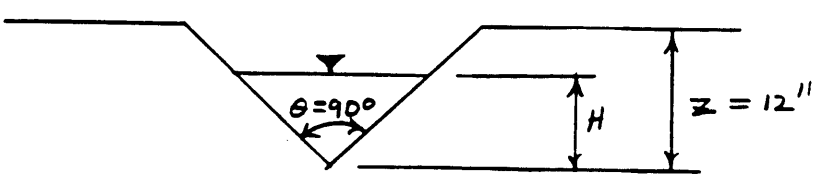
$$Q = \sum \left[V_1 * d_1 * w_1 + V_2 * d_2 * w_2 \cdots V_n * d_n * w_n \right]$$

where : V = velocity (ft/sec)
d = WATER Depth (ft)
w = Partial Section width (ft)
1,2··n = Partial Section Number

These parameters and the corresponding discharge per partial section is shown on the attached Sprendsheet.

$$Q_{Total} = 0.76 \text{ CFS } (341 \text{ gpm})$$

III. Flow AT LOCATION "C"



NUS CORPORATION AND SUBSIDIARIES			STANDARD CALCULATION SHEET
CLIENT: HAZWRAP TINKER AFB	FILE NO.: 3K92	BY: P. OTTINGER	PAGE 4 OF
SUBJECT: STREAM FLOW CALCULATIONS		CHECKED BY: L. Smith	DATE: 4/24/92

$$Q = C_d \, 8/15 \sqrt{2g} \, \tan(\theta/2) \, H^{5/2}$$

$H = 3.63''$ (Ref 3, p. 98)

$= 0.30'$

$C_d = 0.592$

$$Q = 0.592 \, (8/15) \sqrt{64.4} \, \tan(90/2) \, 0.30^{(2.5)}$$

$Q = 0.12$ cfs (56 gpm)

CRUTCHO CREEK STREAM FLOW MEASUREMENT (a)
INVESTIGATION OF CRUTCHO, KULHMAN AND ELM CREEKS
TINKER AIR FORCE BASE, OKLAHOMA

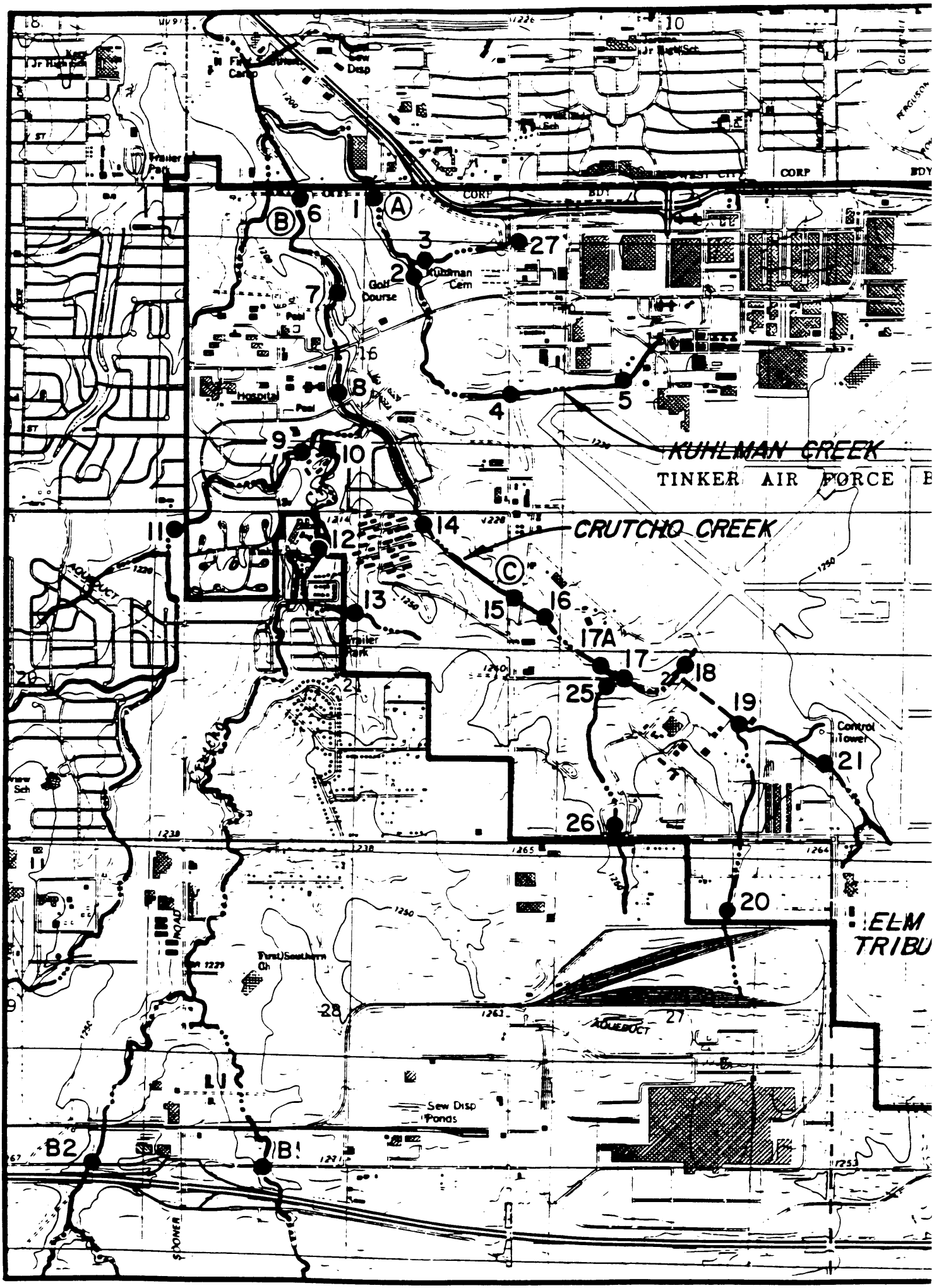
STREAM STATION (REW)	SECTION WIDTH (ft.)	WATER DEPTH (ft.)	OBSERVATION DEPTH (b) (ft.)	MEASURED VELOCITY (ft./sec.)	SECTION AREA (sq. ft.)	SECTION DISCHARGE (cfs)
0	1	0				
2	1.5	0.75	0.3	0.03	1.13	0.03
3	1	0.8	0.32	0.07	0.80	0.06
4	1	0.65	0.26	0.06	0.65	0.04
5	1	1.1	0.44	0.01	1.10	0.01
6	0.75	1.2	0.48	0.02	0.90	0.02
6.5	0.5	1.35	0.54	0.13	0.68	0.09
7	0.5	1.35	0.54	0.12	0.68	0.08
7.5	0.5	1.3	0.52	0.12	0.65	0.08
8	0.5	1.25	0.5	0.15	0.63	0.09
8.5	0.5	1.25	0.5	0.15	0.63	0.09
9	0.5	1.3	0.52	0.16	0.65	0.10
9.5	0.75	1.25	0.5	0.05	0.94	0.05
10.5	1.25	1.15	0.46	0.01	1.44	0.01
12	0.75	0				

AREA = 10.85

STREAM DISCHARGE = 0.76

(a) Flow measurements were made 2/9/92 using a Marsh-McBirney, Inc. Flo-Mate 2000 (Serial No. 2000050).
(b) An observation depth of 0.6 of the total water depth was used.

PREPARED BY: Phil Ottinger 4/92 CHECKED BY: L. Smith 4/24/92


KUHLMAN CREEK
TINKER AIR FORCE
CRUTCHO CREEK
ELM
TRIBU
Golf Course
Hospital
Trailer Park
Control Tower
Sew Disp Ponds
AQUEDUCT
SOONER
CORP
A
B
C
B1
B2

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HALLIBURTON NUS Environmental Corporation and Subsidiaries			STANDARD CALCULATION SHEET
CLIENT: HAZWRAP TINKER AFB	FILE NO.: 3K92	BY: P. OTTINGER	PAGE 1 OF 7
SUBJECT: MAY 1992 STREAM FLOW CALC.		CHECKED BY: C.L. Smith	DATE: 08/19/92

Objective : Determine stream flowrate on Crutcho and Kuhlman Creeks from current meter and V-Notch weir measurements taken May 8 & 9, 1992 at locations "A", "B", and "C" on the attached map.

Assumptions : None

References : 1) "Fluid Mechanics with Engineering Application", 8th Ed., Daugherty

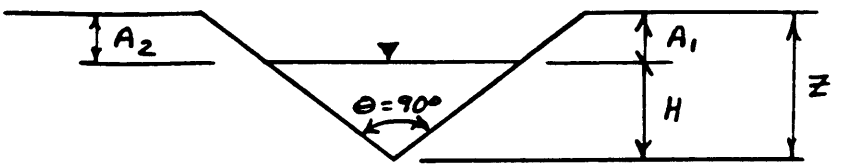
2) "Discharge Measurements at Gaging Stations," USGS

3) Crutcho and Kuhlman Creek Study Field Book.

HALLIBURTON NUS Environmental Corporation and Subsidiaries		STANDARD CALCULATION SHEET	
CLIENT: HAZWRAP - TINKER AFB	FILE NO.: 3K92	BY: P. OTTINGER	PAGE 2
SUBJECT: MAY 1992 STREAM FLOW CALC.		CHECKED BY: L. Smith	DATE: 08/19/92

I. FLOW AT LOCATION "A"

The weir was not level so a head reading was taken on each side of the weir.



FOR V-Notch Weir

$$Q = C_d \, 8/15 \sqrt{2g} \tan \theta/2 \, H^{5/2}$$ (Ref. 1, Eq. 12..

$$H = Z - \left[\frac{A_1 + A_2}{2}\right]$$

$$= 1.18' - \left[\frac{0.825 + 0.775}{2}\right]$$ (Ref. 3, p.98)

$$= 0.38'$$

$C_d = 0.587$ (Ref. 1, Fig 12.23)

$\theta = 90°$

$$Q = 0.587 \, (8/15) \sqrt{2(32.2)} \tan(90/2) \, 0.38^{(5/2)}$$

$$= 0.22 \text{ CFS} \quad (100 \text{ gpm})$$

II. LOCATION "B" FLOW

Current meter methods (Ref. 2) using a MARSH – McBIRNEY Flo-Mate 2000 were used to measure the flow at this location.

A six-tenths observation depth was used for each of the 19 partial stream sections. Stream flow is calculated by the following general equation:

$$Q = \sum [V_1 * d_1 * w_1 + V_2 * d_2 * w_2 \cdots V_n * d_n * w_n]$$

where: V = velocity (ft/sec)
d = water depth (ft)
w = Partial Section width (ft.)
$1, 2 \cdots n$ = Partial Section No.

These parameters and the corresponding discharge per partial section is shown on the attached spreadsheet.

Q_{TOTAL} = 0.66 cfs (296 gpm)

CRUTCHO CREEK STREAM FLOW MEASUREMENT (a)
INVESTIGATION OF CRUTCHO, KULHMAN AND ELM CREEKS
TINKER AIR FORCE BASE, OKLAHOMA
May-92

STREAM STATION (LEW)	SECTION WIDTH (ft.)	WATER DEPTH (ft.)	OBSERVATION DEPTH (b) (ft.)	MEASURED VELOCITY (ft./sec.)	SECTION AREA (sq. ft.)	SECTION DISCHARGE (cfs)
0	0.75	0				
1.5	1.0	0.83	0.33	0.07	0.83	0.06
2.0	0.5	0.91	0.36	0.05	0.46	0.02
2.5	0.5	0.93	0.37	0.06	0.47	0.03
3.0	0.5	1.20	0.48	0.04	0.60	0.02
3.5	0.5	1.25	0.50	0.04	0.63	0.03
4.0	0.5	1.35	0.54	0.07	0.68	0.05
4.5	0.5	1.35	0.54	0.08	0.68	0.05
5.0	0.5	1.42	0.57	0.07	0.71	0.05
5.5	0.5	1.50	0.60	0.07	0.75	0.05
6.0	0.5	1.47	0.59	0.09	0.74	0.07
6.5	0.5	1.60	0.64	0.07	0.80	0.06
7.0	0.5	1.50	0.60	0.07	0.75	0.05
7.5	0.5	1.53	0.61	0.05	0.77	0.04
8.0	0.5	1.52	0.61	0.03	0.76	0.02
8.5	0.5	1.51	0.60	0.03	0.76	0.02
9.0	0.5	1.62	0.65	0.01	0.81	0.01
9.5	0.5	1.60	0.64	0.00	0.80	0.00
10.0	1.75	1.60	0.64	0.01	2.80	0.03
13.0	0	0				

AREA (sq. ft.) 14.76

STREAM DISCHARGE (cfs) 0.66

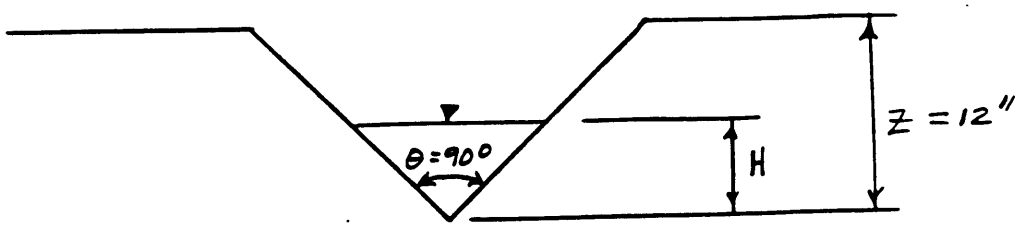
(a) Flow measurements were made 5/8/92 using a Marsh-McBirney, Inc. Flo-Mate 2000
(b) An observation depth of 0.6 of the total water depth was used.

PREPARED BY: Phillip Ottgen

CHECKED BY: L. Smith 08/19/92

FL013K92.XLS

III. Location "C" Flow



$$Q = C_d \, 8/15 \sqrt{2g} \tan(\theta/2) \, H^{5/2}$$ (Ref. 3, p.98)

$H = 0.15'$

$\theta = 90°$

$C_d = 0.597$

$$Q = 0.597 \, (8/15) \sqrt{2(32.2)} \tan(90/2) \, 0.15^{(5/2)}$$

$= 0.02$ cfs

6/7

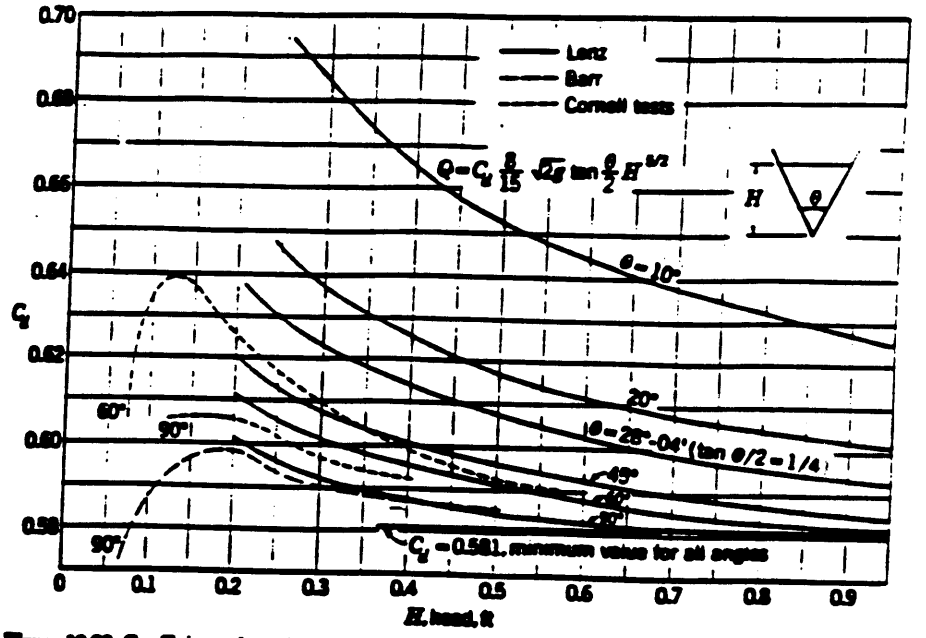
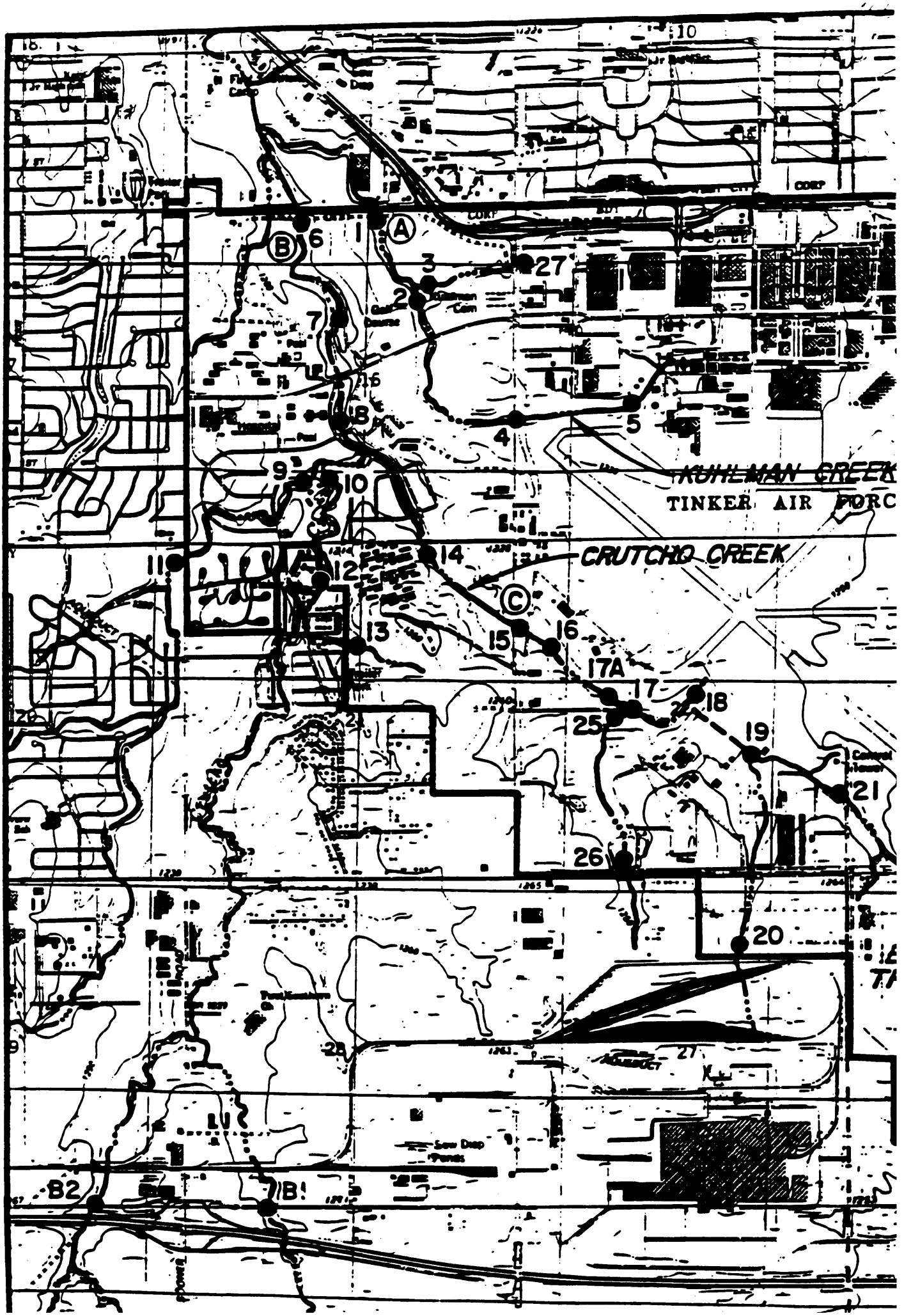


Figure 12.28 Coefficients for triangular weirs.

FROM : Ref. 1, page 433


KUHLMAN CREEK
TINKER AIR FORC
CRUTCHO CREEK
A
B
C
1
2
3
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B2
B1

APPENDIX C

CHAIN OF CUSTODY RECORDS

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NVS # 1

NUS CORPORATION — **CHAIN OF CUSTODY RECORD**

PROJECT NO.: 3K92

SITE NAME: TINKER AFB

SAMPLERS (SIGNATURE): Robert L. Knight / [illegible]

STATION NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	total alpha/beta contam. indic.	nitrogen	cyanide	metals	Pest/PCB	semi-volatiles	TOC	Phenols	TOX	REMARKS
SW01	7-4	1345		X	TKC-SW01-W-0001	7	X	X	X	X	X	X	X			
SW03	7-4	1745		X	TKC-SW03-W-0001	6	X	X		X			X	X	X	
SD06	7-5	1200		X	TCC-SD06-E-0000	2	X*		X	X	X	X				* CI list 1
SD06	7-5	1200		X	TCC-SD06-F-0000	2	X*		X	X	X	X				* CI list 1; duplicate
SD22	7-4	1130		X	TEC-SD22-E-0000	2	X*		X	X						* CI list 1
SD01	7-4	1345		X	TKC-SD01-E-0000	2	X*		X	X	X	X				* CI list 1
SD03	7-4	1745		X	TKC-SD03-E-0000	1	X			X						CI list 1A
SD04 ~~SD02~~ RLK	7-4	1900 ~~1645~~ RLK		X	TKC-SD04-E-0000	1	X			X						CI list 1A
SD02	7-4	1645		X	TKC-SD02-E-0000	1	X			X						CI list 1A
SD23	7-4	1215		X	~~TKC~~ TEC-SD23-E-0000	1	X			X						CI list 1A
SD24	7-4	1245		X	TEC-SD24-E-0000	1	X			X						CI list 1A

RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):
Robert L. Knight	7-5-91 1800	FedXAB # 9778907305			
RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):
[illegible]					
RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE/TIME:	REMARKS:	

NUS 440 34 0484

NUS #2

NUS CORPORATION — **CHAIN OF CUSTODY RECORD**

PROJECT NO.: 3K92

SITE NAME: TINKER AFB

SAMPLERS (SIGNATURE): Robert L. Knight / [illegible]

STATION NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	VOAs	water/liner contam indic	TOC	Nitrogen (Nitrates)	Pest/PCB	metals	semi-volat.	cyanide	REMARKS
SW06	7-5	1200		X	TCC-SW06-W-0001	9	X	X	X	X	X	X	X	X	
SW06	7-5	1200		X	TCC-SW06-C-0001	9	X	X	X	X	X	X	X	X	duplicate
TBW1	7-4	—		X	T-TBW1-070491	2	X								trip blank from lab
SW01	7-4	1345		X	TKC-SW01-W-0001	2	X								

RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):
Robert L. Knight	7-5-91 1800	FedX AB # 9778907305			
RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):
[illegible]					
RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE/TIME:	REMARKS:	

NUS 440 34 041

NU- #3

NUS CORPORATION

CHAIN OF CUSTODY RECORD

PROJECT NO.: 3K92

SITE NAME: TINKER AFB

SAMPLERS (SIGNATURE): Robert L. Knight / Phillip Ettinger

STATION NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	Water chem. contam. indic.	Metals	TOX	TOC	Phenols	Nitrogen (Nitrite)	Pest / PCB	REMARKS
SW04	7-4	1900		X	TKC-SW04-W-0001	6	X	X	X	X	X	X		
~~SW06~~ RLK	~~7-5~~													
SW22	7-4	1130		X	TEC-SW22-W-0001	7	X	X	X	X	X	X	X	
SW02	7-4	1645		X	TKC-SW02-W-0001	6	X	X	X	X	X	X		

RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):
Robert L. Knight	7-5-91 1800	Fed X AB# 9778907305			
Phillip Ettinger					
RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE/TIME:	REMARKS:	

NUS 440 34 0484

NUS Lab # 4

NUS CORPORATION

CHAIN OF CUSTODY RECORD

PROJECT NO.: 3K92

SITE NAME: TINKER AFB

SAMPLERS (SIGNATURE): Robert L. Knight / Phillip Otter

STATION NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	contaminant indicators	TOC (unpreserved)	Nitrogen (Nitrates) (H_2SO_4)	Metals (HNO_3)	Phenols (H_2SO_4)	TOX (H_2SO_4)	REMARKS
07	7-5	2015		X	TCC-SW07-W-0001	6	X	X	X	X	X	X	
07	7-5	2015		X	TCC-SW07-C-0001	2					X	X	duplicate
07	7-5	2015		X	TCC-SD07-E-0000	1	(X)			X			(X) CI list 1A
07	7-5	2015		X	TCC-SD07-F-0000	1	(X)			X			(X) CI list 1A, duplicate
08	7-6	0800		X	TCC-SD08-E-0000	1	(X)			X			(X) CI list 1A
09	7-6	0845		X	TCC-SD09-E-0000	1	(X)			X			(X) CI list 1A
10	7-6	0915		X	TCC-SD10-E-0000	1	(X)			X			(X) CI list 1A
13	7-6	1030		X	TCC-SD13-E-0000	1	(X)			X			(X) CI list 1A
14	7-6	1100		X	TCC-SD14-E-0000	1	(X)			X			(X) CI list 1A
08	7-6	0800		X	TCC-SW08-W-0001	6	X	X	X	X	X	X	

RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):
Robert L. Knight	7-6-91 1700	Fed-X AB # 9778907423			
RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):
Phillip Otter					
RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE/TIME:	REMARKS:	

NUS 440 34 048

NUS Lab # 5

NUS CORPORATION

CHAIN OF CUSTODY RECORD

PROJECT NO.: 3K92

SITE NAME: TINKER AFB

SAMPLERS (SIGNATURE): Robert L. Knight / Phillip Otterson

STATION NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	contaminant indicators	TOC (H_2SO_4)	Nitrogen (Nitrate) (unpres)	Metals (HNO_3)	Phenols (H_2SO_4)	TOX (H_2SO_4)	REMARKS
09	7-6	0845		X	TCC-SW09-W-0001	6	X	X	X	X	X	X	
10	7-6	0915		X	TCC-SW10-W-0001	6	X	X	X	X	X	X	
14	7-6	1100		X	TCC-SW14-W-0001	6	X	X	X	X	X	X	

RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):
Robert L. Knight	7-6-91 1700	Fed-X AB# 9778907423			
RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):
Phillip Otterson					
RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE/TIME:	REMARKS:	

NUS 440 34 0484

NU: Lab # 6

NUS CORPORATION

CHAIN OF CUSTODY RECORD

PROJECT NO.: 3K92

SITE NAME: TINKER

SAMPLERS (SIGNATURE): Robert J. Knight

STATION NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	VOAs (ug/L)	Contaminant indicators	TOC	Nitrogen (N)	Metals	Semi-volatiles	TOX (µg/L)	Phenols (µg/L)	REMARKS
05	7-8	0930		X	TKC-SW05-W-0001	7	X	X	X	X	X	X			
19	7-8	1100		X	TCC-SW19-W-0001	6		X	X	X	X		X	X	
11	7-7	0845		X	TCC-SW11-W-0001	2	X								
16	7-7	1230		X	TCC-SW1~~X~~16-W-0001	2	X								
TB	7-7	—		X	T-TBW1-070791	2	X								

RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):
Robert J. Knight	7-91	Fed. X AB# 9778707320			
RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE/TIME:	REMARKS:	

NUS 440 34 041

NUS Lab # 7

NUS CORPORATION — CHAIN OF CUSTODY RECORD

PROJECT NO.: 3K92

SITE NAME: TINKER AFB

SAMPLERS (SIGNATURE): Robert L. Knight / Phillip Ottinger

STATION NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	contaminant indicators	TOX	TOC	Phenols	Nitrogen (Nitrate)	Metals (HNO3)	Semi volatiles (impreg.)	REMARKS
20	7-7	1900		X	TCC-SW20-W-0001	6	X	X	X	X	X	X		
20	7-7	1900		X	TCC-SW20-C-0001	4	X		X		X	X		duplicate
21	7-7	1800		X	TCC-SW21-W-0001	5	X		X		X	X	X	

RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):
Robert L. Knight	7-8-91 1100	Fed-X HB # 9778907320			
Phillip Ottinger					
RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE/TIME:	REMARKS:	

NUS 440 34 0484

NUS Lab #

NUS CORPORATION

CHAIN OF CUSTODY RECORD

PROJECT NO.: 3K72

SITE NAME: TINKER AFB

SAMPLERS (SIGNATURE): Robert L. Knight, Phillip Otter

STATION NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	contaminant indicators	TOX	TOC	Phenols	Nitrogen (Nitrate)	Metals	REMARKS
17	7-7	1530		X	TCC-SW17-W-0001	6	X	X	X	X	X	X	
18	7-7	1630		X	TCC-SW18-W-0001	6	X	X	X	X	X	X	

RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):
Robert L. Knight	7-8-91 1400	Fed X HB # 9778907320			
RELINQUISHED BY (SIGNATURE): Phillip Otter	DATE/TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE/TIME:	REMARKS:	

NUS 440 34 048

NUS Lab # 9

NUS CORPORATION

CHAIN OF CUSTODY RECORD

PROJECT NO.: 3K92

SITE NAME: TINKER AFB

SAMPLERS (SIGNATURE): Robert L. Knight / Phillip Ottger

STATION NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	Contaminant indicators	TOC (unpreserved)	Nitrogen (N) (H2SO4)	Metals (HNO3)	Semi-volatiles (unpreserved)	Pesticides/PCB (unpreserved)	Cyanide (NaOH)	REMARKS
11	7-7	0845		X	TCC-SW11-W-0001	5	X	X	X	X	X			
16	7-7	1230		X	TCC-SW16-W-0001	7	X	X	X	X	X	X	X	

RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):
Robert L. Knight	7-8-91 1900	FEDY AB # 9778907320			
Phillip Ottger					

RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE/TIME:	REMARKS:

NUS 440 34 0484

NUS Lab # 10

NUS CORPORATION

CHAIN OF CUSTODY RECORD

PROJECT NO.: 3K92

SITE NAME: TINKER AFB

SAMPLERS (SIGNATURE): Robert L. Knight, Phillip Otter

STATION NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	Contaminant indicators (unpreserved)	TOX (H2SO4)	TOC (H2SO4)	Phenols (H2SO4)	Nitrogen (Nitrate) (H2SO4)	Metals (HNO3)	REMARKS
12	7-7	0930		X	TCC-SW12-W-0001	6	X	X	X	X	X	X	
15	7-7	1115		X	TCC-SW15-W-0001	6	X	X	X	X	X	X	
26	7-8			X	TCC-SW26-W-0001	1						X	metals only

RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):
Robert L. Knight	7-8-91 1900	Fed-X AB # 9778907320			
Phillip Otter					

RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE/TIME:	REMARKS:

NUS 440 34 04

NUS Lab. # 11

NUS CORPORATION

CHAIN OF CUSTODY RECORD

PROJECT NO.: 31K92

SITE NAME: TINKER AFB

SAMPLERS (SIGNATURE): Robert L. Knight

STATION NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	Contaminant indicators (LIST 1)	Metals	Pest/PCBs	Semivolatiles	Contaminant indicators (LIST 1A)	Cyanide	Gross Alpha + Beta	REMARKS
05	7-8	0930		X	TKC-SD05-E-0000	2		X			X			
11	7-7	0845		X	TCC-SD11-E-0000	2	X	X	X	X		X		
12	7-7	0930		X	TCC-SD12-E-0000	1		X			X			
15	7-7	1115		X	TCC-SD15-E-0000	1		X			X			
16	7-7	1230		X	TCC-SD16-E-0000	2	X	X	X	X		X	X	
17	7-7	1530		X	TCC-SD17-E-0000	1		X			X			
18	7-7	1630		X	TCC-SD18-E-0000	1		X			X			
19	7-8	1100		X	TCC-SD19-E-0000	1		X			X			
20	7-7	1900		X	TCC-SD20-E-0000	2	PED X	X	X	RLK ~~X~~	PED X			do not analyze semi volatiles
21	7-7	1800		X	TCC-SD21-E-0000	2	PED X	X	X	PED X	X			
25	7-7	1030		X	TCC-SD25-E-0000	2	RLK ~~X~~	X			X		X	CL list # 1A
25	7-7	1030		X	TCC-SD25-F-0000	2		X			X		X	sample duplicate
26	7-7	2015		X	TCC-SD26-E-0000	1		X			X			

RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):
Robert L. Knight	7-8-91 1900	Fed X AB #9778907320			
RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE/TIME:	REMARKS:	

NUS 440 34 0484

Alpha Analytical #1

NUS CORPORATION — **CHAIN OF CUSTODY RECORD**

PROJECT NO.: 3K92

SITE NAME: TINKER AFB

SAMPLERS (SIGNATURE): Robert L. Knight & Phillip Ottiger

STATION NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	BOD	turbidity	nitrites				REMARKS
22	7-4	1130		X	TEC-SW22-W-0001	1	X	X	X				
01	7-4	1345		X	TKC-SW01-W-0001	1	X	X	X				
02	7-4	1645		X	TKC-SW02-W-0001	1	X	X	X				
03	7-4	1745		X	TKC-SW03-W-0001	1	X	X	X				
04	7-4	1900		X	TKC-SW04-W-0001	1	X	X	X				
06	7-5	1200		X	TCC-SW06-W-0001	1	X	X	X				
06-D	7-5	1200		X	TCC-SW06-C-0001	1	X	X	X				Duplicate

RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):
Robert L. Knight	7-5-91 1420				
RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE/TIME:	REMARKS:	

NUS 440 34 048

Alpha Analytical #2

NUS CORPORATION Alpha Analytical #2 **CHAIN OF CUSTODY RECORD**

PROJECT NO.: 3K92

SITE NAME: TINKER AFB

SAMPLERS (SIGNATURE): Robert L. Knight / Phillip Otten

STATION NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	BOD	turbidity	Nitrites				REMARKS
07	7-5	2015		X	TCC-SW07-W-0001	1	X	X	X				
08	7-6	0800		X	TCC-SW08-W-0001	1	X	X	X				
09	7-6	0845		X	TCC-SW09-W-0001	1	X	X	X				
10	7-6	0915		X	TCC-SW10-W-0001	1	X	X	X				
14	7-6	1100		X	TCC-SW14-W-0001	1	X	X	X				

RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):
Phillip Otten	7-6-91 1245	[illegible]			
RELINQUISHED BY (SIGNATURE): Robert L. Knight	DATE/TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE/TIME:	REMARKS:	

NUS 440 34 0484

Purchase Order No. 91-99784C-K0001

1 qt. plas. unpreserved

Alpha Analytical # 3

NUS CORPORATION

CHAIN OF CUSTODY RECORD

PROJECT NO.: 3K92

SITE NAME: TINKER AFB

SAMPLERS (SIGNATURE): Robert L. Knight / Phillip Otteson

STATION NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	BOD	turbidity	Nitrites				REMARKS
11	7-7	0845		X	TCC-SW11-W-0001	1	X	X	X				
12	7-7	0930		X	TCC-SW12-W-0001	1	X	X	X				
15	7-7	1115		X	TCC-SW15-W-0001	1	X	X	X				
16	7-7	1230		X	TCC-SW16-W-0001	1	X	X	X				
17	7-7	1530		X	TCC-SW17-W-0001	1	X	X	X				
18	7-7	1630		X	TCC-SW18-W-0001	1	X	X	X				
21	7-7	1800		X	TCC-SW21-W-0001	1	X	X	X				
20	7-7	1900		X	TCC-SW20-W-0001	1	X	X	X				
20	7-7	1900		X	TCC-SW20-C-0001	1	X	X	X				
05	7-8	0930		X	TKC-SW05-W-0001	1	X	X	X				
19	7-8	1100		X	TCC-SW19-W-0001	1	X	X	X				

RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):
Robert L. Knight	7-8-91 1400	Ken Wallace			
RELINQUISHED BY (SIGNATURE): Phillip Otteson	DATE/TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE/TIME:	REMARKS:	

NUS 440 34 048

HALLIBURTON NUS Environmental Corporation and Subsidiaries

CHAIN OF CUSTODY RECORD

PROJECT NO.: 3K92-BC04

SITE NAME: Tinker AFB, Okla

SAMPLERS (SIGNATURE): [illegible]

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	Metals	Water Chem	TCC	TCL	Nitrogen Fractions		REMARKS
12	10-26	10:41		X	TCC-$W13-C-0001	5	1	1	1	1	1	1	
13	10-26	10:11		X	TCC-$W13-W-0001	5	1	1	1	1	1	1	
23	10-26	11:15		X	TEC-$W23-W-0001	5	1	1	1	1	1	1	
24	10-26	11:07		X	TEC-$W24-W-0001	5	1	1	1	1	1	1	
27	10-26	11:50		X	TKC-$W27-W-0001	6	1	1	1	1	1	1	
25	10-28	10:40		X	TCC-$W25-W-0001	5	1	1	1	1	1	1	

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
[illegible]	10-28 14:00				
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS:	

NUS 440 REVISED 0891

HALLIBURTON NUS Environmental Corporation and Subsidiaries

CHAIN OF CUSTODY RECORD

PROJECT NO.: 3K92-BC44

SITE NAME: Tinker AFB, OKla

SAMPLERS (SIGNATURE): Alan Hunt

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	Metals	Nitrates	TCC	TCX	Water Chem	Phenols	REMARKS
23	10-26	11:15		X	TEC-SW23-W-0001	5 6	1	1	1	1	1	1	Elm Crk E
24	10-26	11:27		X	TEC-SW24-W-0001	5 6	1	1	1	1	1	1	Elm Crk W
13	10-26	10:40		X	TCC-SW13-C-0001	5 6	1	1	1	1	1	1	Crutcher
13	10-26	10:40		X	TCC-SW13-W-0001	5 6	1	1	1	1	1	1	"
27	10-26	11:50		X	TKC-SW27-W-0001	6	1	1	1	1	1	1	Kuhlman
25	10-28	10:40		X	TCC-SW25-W-0001	5 6	1	1	1	1	1	1	Sample taken on 28 Oct due to lack of flow

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
Alan Hunt	10-28 14:00				
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS: ⊗ - indicates samples in this chain	

NUS 440 REVISED 889

HALLIBURTON NUS Environmental Corporation and Subsidiaries

CHAIN OF CUSTODY RECORD

PROJECT NO.: 3K92-3C44

SITE NAME: Tinker AFB, OKla

SAMPLERS (SIGNATURE): Alan Hunt

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	Metals	Nutrients	TCL	TCX	Water Chem	Explosives	REMARKS
23	10-26	11:15		X	TEC-$W23-W-0001	5 6	1	1	1	1	1	1	Elm Crk E
24	10-26	11:27		X	TEC-$W24-W-0001	5 6	1	1	1	1	1	1	Elm Crk W
13	10-26	10:40		X	TCC-$W13-C-0001	5 6	1	1	1	1	1	1	Crutcher
13	10-26	10:45		X	TCC-$W13-W-0001	5 6	1	1	1	1	1	1	"
27	10-26	11:50		X	TKC-$W27-W-0001	6	1	1	1	1	1	1	Kaufman
25	10-28	10:40		X	TCC-$W25-W-0001	5 6	1	1	1	1	1	1	Sample taken on 28 Oct due to lack of flow

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
Alan Hunt	10-28 14:00				
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS: ⊗ - indicates samples in this circ	

NUS 440 REVISED 889

HALLIBURTON NUS Environmental Corporation and Subsidiaries

CHAIN OF CUSTODY RECORD

PROJECT NO.: 3K92-RC00

SITE NAME: Tinker AFB, Okla

SAMPLERS (SIGNATURE): Dan Hunt

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	Metals	Phenols	TCC	TCX	Water Chem	Hydrogen	REMARKS
27	10-26	11:50		X	TKC-$W27-W-0001	6	1	1	1	1	1	1	
25	10-25	10:40		X	TCC-$W25-W-0001	5	1	1	1	1	1	*	
13	10-26	10:40		X	TCC-$W13-C-0001	5	1	1	1	1	1	*	
13	10-26	10:40		X	TCC-$W13-W-0001	5	1	1	1	1	1	*	
23	10-26	10:15		X	TEC-$W23-W-0001	5	1	1	1	1	1	*	
24	10-26	10:17		X	TEC-$W24-W-0001	5	1	1	1	1	1	*	

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
Dan Hunt	10-27 14:00				
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS: * indicate samples in the cooler	

NUS 440 REVISED 0891

HALLIBURTON NUS Environmental Corporation and Subsidiaries

CHAIN OF CUSTODY RECORD

PROJECT NO.: 3K92-RC08

SITE NAME: Tinker AFB, Okla

SAMPLERS (SIGNATURE): Dan Hunt

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	Metals	Phenols	TCC	TCX	Water Chem	Nitrogen	REMARKS
27	10-26	11:50		X	TKC-$W27-W-0001	6	1	1	1	1	1	1	
25	10-25	10:40		X	TCC-$W25-W-0001	5	1	1	1	1	1	*	
13	10-26	10:40		X	TCC-$W13-C-0001	5	1	1	1	1	1	*	
13	10-26	10:40		X	TCC-$W13-W-0001	5	1	1	1	1	1	*	
23	10-26	10:15		X	TEC-$W23-W-0001	5	1	1	1	1	1	*	
24	10-26	10:17		X	TEC-$W24-W-0001	5	1	1	1	1	1	*	

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
Dan Hunt	10-27 11:00				
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS: * indicate samples in the [illegible]	

NUS 440 REVISED 0891

NUS CORPORATION [illegible] **CHAIN OF CUSTODY RECORD**

PROJECT NO.: #31592

SITE NAME: Tinker MHB

SAMPLERS (SIGNATURE): [illegible]

STATION NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	MBAS, Nitrate, Turbidity	MBAS, Nitrate, Turbidity	COD	BOD			REMARKS
SW01	2/4/92	1452		✓	TKC-SW01-W-0002	1	1						
SW01	2/4/92	1500		✓	TKC-SW01-C-0002	1	~~1~~	1					Duplicate Sample
SW01	2/4/92	1500		✓	TKC-SW01-[illegible]-0002	1			1				Triplicate Sample
SW01	2/4/92	1452		✓	TKC-SW01-W-0002	1				1			

RELINQUISHED BY (SIGNATURE)	DATE/TIME	RECEIVED BY (SIGNATURE)	RELINQUISHED BY (SIGNATURE)	DATE/TIME	RECEIVED BY (SIGNATURE)
[illegible]	[illegible]	[illegible]			
RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE/TIME:	REMARKS:	

NUS 440 34 0484

NUS CORPORATION Hunt [illegible] AFB [illegible]

CHAIN OF CUSTODY RECORD

PROJECT NO.: #31[illegible]92

SITE NAME: Tinker MHB

SAMPLERS (SIGNATURE): [illegible] James [illegible]

STATION NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	MBAS, Nitrate, Turbidity	MBAS, Nitrate, Turbidity	TOC	BOD			REMARKS
SW01	2/4/92	1452		✓	TKC-SW01-W-0002	1	1						
SW01	2/4/92	1500		✓	TKC-SW01-C-0002	1	~~1~~	1					Duplicate sample
SW01	2/4/92	1500		✓	TKC-SW01-[illegible]-0002	1			1				Triplicate sample
SW01	2/4/92	1456		✓	TKC-SW01-W-0002	1				1			

RELINQUISHED BY (SIGNATURE)	DATE/TIME	RECEIVED BY (SIGNATURE)	RELINQUISHED BY (SIGNATURE)	DATE/TIME	RECEIVED BY (SIGNATURE)
[illegible]	[illegible]	[illegible]			
RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED FOR LABORATORY BY (SIGNAT[illegible]	DATE/TIME:	REMARKS:	

NUS 440 34 0484

STANLEY ENGINEERING, INC./ALPHA ANALYTICAL LABORATORIES
Chain of Custody Record

2700 N.W. 39th Street
Okalhoma City, Okla.

Site Name

Site Location

Sample Location	Date	Time	GCMS EXTRAC	GCMS PURGE	METALS	GEN CHEM		B.E.L. NUMBER
TKC-SW01-C-0002 (2 cont)	2/4/92	4 55				BOD, TDS, Nitrates,	turbidity	
TKC-SW01-W-0002 2 cont.	2/4/92							

Samplers Signature (Relinquished by:) [signature]

Relinquished by:

Relinquished by:

Received by: [signature]

Received by:

Received by:

STANLEY ENGINEERING, INC./ALPHA ANALYTICAL LABORATORIES

Chain of Custody Record

2700 N.W. 39th Street
Okalhoma City, Okla.

Site Name

Site Location

Sample Location	Date	Time	GCMS EXTRAC	GCMS PURGE	METALS	GEN CHEM		S.E.L. NUMBER
TKC-SW01-C-0002 (2 cont)	2/4/92	4 55				BOD, TDS, Nitrates,	turbidity	
TKC-SW01-W-0002 2 cont.	2/4/92							

Samplers Signature (Relinquished by:) [signature]

Received by: [signature]

Relinquished by:

Received by:

Relinquished by:

Received by:

NUS CORPORATION — **CHAIN OF CUSTODY RECORD**

PROJECT NO.: 3K92

SITE NAME: TINKER AFB

SAMPLERS (SIGNATURE): Linda Frame, James R Hill

STATION NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	BOD	Nitrate/Turbidity	Nitrate/Turbidity H2S				REMARKS
SW15	2/5 92	1225		✓	TCC-SW15-W-0002	2	1	1					Water
SW06	2/5 92	0936		✓	TCC-SW06-W-0002	2	1		1				Water
					HAND-Delivered SAMPLES TO LAB @ jt								

RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):
[illegible]	2/5/92 1330				
RELINQUISHED BY (SIGNATURE):	**DATE/TIME:**	**RECEIVED BY (SIGNATURE):**	**RELINQUISHED BY (SIGNATURE):**	**DATE/TIME:**	**RECEIVED BY (SIGNATURE):**
RELINQUISHED BY (SIGNATURE):	**DATE/TIME:**	**RECEIVED FOR LABORATORY BY (SIGNATURE):**	**DATE/TIME:**	**REMARKS:**	
		[illegible]			

NUS 440 34 0484

NUS CORPORATION

CHAIN OF CUSTODY RECORD

PROJECT NO.: 3K92

SITE NAME: TINKER AFB

SAMPLERS (SIGNATURE): Linda Frame James R Hill

STATION NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	BOD	Nitrate/Turbidity	Nitrate/Turbidity MBAS				REMARKS
SW15	2/5 92	1225		✓	TCC-SW15-W-0002	2	1	1					Water
SW06	2/5 92	0936		✓	TCC-SW06-W-0002	2	1		1				Water

HAND-Delivered SAMPLES TO LAB

RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):
[illegible]	2/5/92 1350				
RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE/TIME:	REMARKS:	
		[illegible]			

NUS 440 34 0484

STANLEY ENGINEERING, INC./ALPHA ANALYTICAL LABORATORIES
Chain of Custody Record
2700 N.W. 39th Street
Okalhoma City, Okla.

Site Name: Tinker AF-B
Site Location:

Sample Location	Date	Time	~~GCMS-EXTRAC~~ Nitrate	GCMS-PURGE MBAS	METALS	GEN CHEM	BOD	S.E.L. NUMBER
TCC-SW15-W-0002	2-5	1410p	1	1			1	
TCC-SW06-W-0002	2-5	1410p	1	1			1	

Samplers Signature (Relinquished by:) [signature]
Relinquished by:
Relinquished by:

Received by: [signature]
Received by:
Received by:

STANLEY ENGINEERING, INC./ALPHA ANALYTICAL LABORATORIES
Chain of Custody Record

2700 N.W. 39th Street
Okalhoma City, Okla.

Site Name: Tinker AF B

Site Location:

Sample Location	Date	Time	~~GCMS - EXTRAC~~	Nitrate GCMS - PURGE	MBAS METALS	GEN CHEM	BOD	S.E.L. NUMBER
TCC-SW15-W-0002	2-5	1410p	1	1			1	
TCC-SW06-W-0002	2-5	1410p	1	1			1	

Samplers Signature (Relinquished by:) [signature]

Relinquished by:

Relinquished by:

Received by: [signature]

Received by:

Received by:

NUS CORPORATION — **CHAIN OF CUSTODY RECORD**

PROJECT NO.: # 3K92

SITE NAME: Tinker AFB

SAMPLERS (SIGNATURE): Linda Frame, James R Hill

STATION NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	BOD	Nitrate	Turbidity				REMARKS
SW17A	2/5/92	1600		✓	TCC-SW17A-WØ-0002	2	X	X	X				Water
					HAND-delivered to Lab.								

RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):
[illegible]	2/6/92 0745	[illegible]			
RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE/TIME:	REMARKS:	

NUS 440 34 0484

NUS CORPORATION

CHAIN OF CUSTODY RECORD

PROJECT NO.: # 3K92

SITE NAME: Tinker AFB

SAMPLERS (SIGNATURE): Linda Frame, James R Hill

STATION NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	BOD	Nitrate	Turbidity				REMARKS
SW17A	2/5/92	1600		✓	TCC-SW17A-WP-0002	2	X	X	X				Water
					HAND-delivered to Lab.								

RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):
[illegible]	2/5/92 1615	[illegible]			
RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE/TIME:	REMARKS:	

NUS 440 34 0484

NUS CORPORATION HAND delivered on 2/7/92 to Alpha Lab **CHAIN OF CUSTODY RECORD**

PROJECT NO.: 3K92

SITE NAME: Tinker AFB

SAMPLERS (SIGNATURE): Linda Frame, James R. Hill

STATION NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	Nitrate	Turbidity	BOD				REMARKS
SW11	2/6 92	1710		✓	TCC-SW11-W-0002	1	X	X	X				Water
SW05	2/6 92	1044		✓	TCC-SW05-C-0002	1	X	X	X				Duplicate
SW05	2/6 92	1044		✓	TCC-SW05-W-0002	1	X	X	X				Water

RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE): James R. Hill	DATE/TIME: 2/7/92 08:28	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE/TIME:	REMARKS:	

NUS 440 34 0484

NUS CORPORATION HAND delivered on 2/7/92 to Alpha Lab **CHAIN OF CUSTODY RECORD**

PROJECT NO.: 3K92

SITE NAME: Tinker AFB

SAMPLERS (SIGNATURE): Linda Frame, James R. Hill

STATION NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	Nitrate	Turbidity	BOD				REMARKS
SW11	2/6 92	1710		✓	TCC-SW11-W-0002	1	X	X	X				Water
SW05	2/6 92	1044		✓	TCC-SW05-C-0002	1	X	X	X				Duplicate
SW05	2/6 92	1044		✓	TCC-SW05-W-0002	1	X	X	X				Water

RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE): James R. Hill	DATE/TIME: 2/7/92 08:20	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE/TIME:	REMARKS:	

NUS 440 34 0484

STANLEY ENGINEERING, INC./ALPHA ANALYTICAL LABORATORIES
Chain of Custody Record
2700 N.W. 39th Street
Oklahoma City, Okla.

Site Name

Site Location

Sample Location	Date	Time	GCMS EXTRAC	GCMS PURGE	METALS	GEN CHEM		S.E.L. NUMBER
TCC SWB1-W-0002	2/8	1252						
TCC SWB2-W-0002	2/8	1139						
TEC SW22-W-0002	2/8	0855						
TCC SW20-E-0002	2/8	1545						
TEW-SW24-W-0002	2/8	1645						

Samplers Signature
(Relinquished by:)

Received by:

Relinquished by:

Received by:

Relinquished by:

Received by:

ENVIRONMENTAL MEASUREMENTS

STANLEY ENGINEERING, INC./ALPHA ANALYTICAL LABORATORIES
Chain of Custody Record

2700 N.W. 39th Street
Okalhoma City, Okla.

Site Name

Site Location

Sample Location	Date	Time	GCMS EXTRAC	GCMS PURGE	METALS	GEN CHEM		S.E.L. NUMBER
TCC SWB1-W-0002	2/8	1252						
TCC SWB2-W-0002	2/8	1139						
TEC SW22-W-0002	2/8	0855						
TCC SW20-E-0002	2/8	1545						
TEW-SW24-W-0002	2/8	1645						

Samplers Signature
(Relinquished by:)

Relinquished by:

Relinquished by:

Received by:

Received by:

Received by:

Per

NUS CORPORATION — HAND-DELIVERED TO ALPHA LAB — **CHAIN OF CUSTODY RECORD**

PROJECT NO.: 3K92

SITE NAME: TINKER AFB

SAMPLERS (SIGNATURE): Linda Frame James L. Hill

STATION NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	BOD	Turbidity	MBAS				REMARKS
#B1	2/8/92	1252		✓	TCC-SWB1-W-0002	2	X	X	X				Water
#B2	2/8/92	1134		✓	TCC-SWB2-W-0002	2	X	X	X				"
#22	2/8/92	0855		✓	TEC-SW22-W-0002	2	X	X	X				"
#20	2/8/92	1515		✓	TCC-SW20-E-0002	2	X	X					"
#24	2/8/92	1645		✓	TEC-SW24-~~E~~ W -0002	2	X	X	X				"

RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE)
[illegible]	2/9/92	[illegible]			
RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE/TIME:	REMARKS:	

NUS 440 34 0484

NUS CORPORATION — HAND-DELIVERED TO ALPHA LAB — **CHAIN OF CUSTODY RECORD**

PROJECT NO.: 3K92

SITE NAME: TINKER AFB

SAMPLERS (SIGNATURE): Linda Frame, James L. Hill

STATION NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	BOD	Turbidity	MBAS				REMARKS
#B1	2/8/92	1252		✓	TCC-SWB1-W-0002	2	X	X	X				Water
#B2	2/8/92	1134		✓	TCC-SWB2-W-0002	2	X	X	X				"
#22	2/8/92	0855		✓	TEC-SW22-W-0002	2	X	X	X				"
#20	2/8/92	1515		✓	TCC-SW20-E-0002	2	X	X					"
#24	2/8/92	1645		✓	TEC-SW24-~~E~~ W -0002	2	X	X	X				"

RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):
Linda Frame	2/9/92	[illegible]			
RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE/TIME:	REMARKS:	

NUS 440 34 0484

STANLEY ENGINEERING, INC./ALPHA ANALYTICAL LABORATORIES

Chain of Custody Record

2700 N.W. 39th Street
Okalhoma City, Okla.

Site Name

Site Location

Sample Location	Date	Time	GCMS EXTRAC	GCMS PURGE	METALS	GEN CHEM		S.E.L. NUMBER
TCC-SW11-W-002						Nitrate, BOD,	~~[illegible]~~	
TCC-SW05-C-002						Turbidity		
TCC-SW05-W-002								

Samplers Signature
(Relinquished by:) [signature]

Relinquished by:

Relinquished by:

Received by: Abby Williams

Received by:

Received by:

STANLEY ENGINEERING, INC./ALPHA ANALYTICAL LABORATORIES
Chain of Custody Record

2700 N.W. 39th Street
Okalhoma City, Okla.

Site Name

Site Location

Sample Location	Date	Time	GCMS EXTRAC	GCMS PURGE	METALS	GEN CHEM		S.E.L. NUMBER
TCC-SW11-W-002						nitrate, ~~[illegible]~~		
TCC-SW05-C-002						BOD,		
TCC-SW05-W-002						Turbidity		

Samplers Signature
(Relinquished by:) [signature]

Relinquished by:

Relinquished by:

Received by: Abby Williams

Received by:

Received by:

STANLEY ENGINEERING, INC./ALPHA ANALYTICAL LABORATORIES
Chain of Custody Record

2700 N.W. 39th Street
Okalhoma City, Okla.

Site Name: Tinker AFB

Site Location:

Sample Location	Date	Time	GCMS EXTRAC	GCMS PURGE	METALS	GEN CHEM		S.E.L. NUMBER
TCC-SW17A-W-0002 (2 cont)						BOD, nitrate, Turbidity		920113
								~~920114~~

Samplers Signature (Relinquished by): [signature]

Relinquished by:

Relinquished by:

Received by: Abby Williams

Received by:

Received by:

STANLEY ENGINEERING, INC./ALPHA ANALYTICAL LABORATORIES
Chain of Custody Record

2700 N.W. 39th Street
Okalhoma City, Okla.

Site Name: Tinker AFB

Site Location:

Sample Location	Date	Time	GCMS EXTRAC	GCMS PURGE	METALS	GEN CHEM		S.E.L. NUMBER
TCC-SW17A-W-0002 (2 cont)						BOD, nitrate, Turbidity		920113
								~~920~~ 127

Samplers Signature (Relinquished by): [signature]

Relinquished by:

Relinquished by:

Received by: Abby Milliman

Received by:

Received by:

1 of 2

NUS CORPORATION Fed X Air bill # 3851639794 **CHAIN OF CUSTODY RECORD**

PROJECT NO.: 3K92

SITE NAME: Tinker AFB

SAMPLERS (SIGNATURE): Linda Frame / James R Hill

STATION NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	Volatile Organics 2-40ml	Cyanide 1-1 Liter plastic	Tot. Col 1-Pint plastic	Pest/PCB 2-1 Liter Amber	Radioactivity 1-1 Gall Plastic	Metals 1-1 Liter Plastic	Herbicides 1-1 Liter glass	Water Chem 1-1 Liter	REMARKS
SW01	2/4 92	1452	—	✓	TKC-SW01-W-0002	10	2	1	1	2	1	1	1	1	WATER
SW01	2/4 92	1500	—	✓	TKC-SW01-C-0002	10	2	1	1	2	1	1	1	1	Duplicate Sample
					Coolers #1 & #2										

RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):
[illegible]	2/5/92 1000	Fed X Air bill			
RELINQUISHED BY (SIGNATURE):	**DATE/TIME:**	**RECEIVED BY (SIGNATURE):**	**RELINQUISHED BY (SIGNATURE):**	**DATE/TIME:**	**RECEIVED BY (SIGNATURE):**
RELINQUISHED BY (SIGNATURE):	**DATE/TIME:**	**RECEIVED FOR LABORATORY BY (SIGNATURE):**	**DATE/TIME:**	**REMARKS:**	

NUS 440 34 04P

1/2

NUS CORPORATION Fed X Air bill # 3851639794 **CHAIN OF CUSTODY RECORD**

PROJECT NO.: 3K92

SITE NAME: Tinker AFB

SAMPLERS (SIGNATURE): Linda Frame / James R Hill

STATION NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	Volatile Organics 2-40 ml	Cyanide 1-1 Liter plastic	Tox-tal 1-8 oz glass	Pest/PCB 1-½ gal glass	Radioactivity 1-1 gal Plastic	Metals 1-1 Liter Plastic	Herbicides 1-1 Liter glass	Water Chem 1-1 Liter	REMARKS
SW01	2/4 92	1452	—	✓	TKC-SW01-W-0002	10	2	1	1	2	1	1	1	1	WATER
SW01	2/4 92	1500	—	✓	TKC-SW01-C-0002	10	2	1	1	2	1	1	1	1	Duplicate Sample
					Coolers #1 & #2										

RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):
[illegible]	2/5/92 0000	Fed X Air bill			
RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE/TIME:	REMARKS:	

NUS 440 34 04P

NUS CORPORATION Fedex Airbill # 38516 39794 **CHAIN OF CUSTODY RECORD**

PROJECT NO.: 3K92

SITE NAME: Tinker AFB

SAMPLERS (SIGNATURE): Linda Frame James R Hill

STATION NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	16oz AMBER						REMARKS
SD01	3/4 92	1540	✓		TKC-SD01-E-0002	1	1						Soil - Analyze for C.I., Metals, Pest/PCBs, Semivolatiles, Cyanide
SD01	3/4 92	1510	✓		TKC-SD01-F-0002	1	1						Duplicate Soil - analyze for C.I. Metals, Pests/PCBs, Semivolatiles, Cyanide
					Coolers #1 & #2								

RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):
[illegible]	3/5/92 0800				
RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE/TIME:	REMARKS:	

NUS 440 34 0484

NUS CORPORATION Fedex Airbill # 38516 39794 **CHAIN OF CUSTODY RECORD**

PROJECT NO.: 3K92

SITE NAME: Tinker AFB

SAMPLERS (SIGNATURE): Linda Frame James R Hill

STATION NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	16oz AMBER						REMARKS
SD01	2/4 92	1540	✓		TKC-SD01-E-0002	1	1						Soil - Analyze for C.I., Metals, Pest/PCBs, Semivolatiles, Cyanide
SD01	2/4 92	1510	✓		TKC-SD01-F-0002	1	1						Duplicate Soil - analyze for C.I. Metals, Pests/PCBs, Semivolatiles, Cyanide
					Coolers #1 & #2								

RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):
[illegible]	2/5/92 0800				
RELINQUISHED BY (SIGNATURE):	**DATE/TIME:**	**RECEIVED BY (SIGNATURE):**	**RELINQUISHED BY (SIGNATURE):**	**DATE/TIME:**	**RECEIVED BY (SIGNATURE):**
RELINQUISHED BY (SIGNATURE):	**DATE/TIME:**	**RECEIVED FOR LABORATORY BY (SIGNATURE):**	**DATE/TIME:**	**REMARKS:**	

NUS 440 34 0484

Coolers #3 & #4

NUS CORPORATION Fed Express Airbill # 3851639805 **CHAIN OF CUSTODY RECORD**

PROJECT NO.: #3K92

SITE NAME: TINKER AFB

SAMPLERS (SIGNATURE): Linda Frame James R. Hill

STATION NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	Radioactivity	Pesticides/PCBs SEMI-VOL.	Metals	Herbicides	Water Chem	TOC/COD	VOL. organics	Cyanide	Contaminant Indicator	GRAIN SIZE	REMARKS
SW06	2/5/92	0936		✓	TCC-SW06-W-0002	10	X	X	X	X	X	X	X	X			Water
SD06	2/5/92	0951	✓		TCC-SD06-E-0002	1		X	X					X	X		Soil
SW15	2/5/92	1225		✓	TCC-SW15-W-0002	9	X	X	X	X	X	X	X				Water
SD15	2/5/92	1237	✓		TCC-SD15-E-0002	1	X	X	X						X		Soil
SD15	2/5/92	1237	✓		TCC-SD15-E-0002	1										X	Soil
SW17A	2/5/92	1600		✓	TCC-SW17A-W-0002	2					X	X					Water
SD17A	2/5/92	1610	✓		TCC-SD17A-E-0002	1	X								X		Soil
TBW2	2/5/92	—		✓	T-TBW2-020592	2							X				Trip Blank #2

RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):
Linda Frame	2/5/92 1900				
RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE/TIME:	REMARKS:	

NUS 440 34 0484

Coolers #3 & #4

NUS CORPORATION Fed Express Airbill # 3851639805 **CHAIN OF CUSTODY RECORD**

PROJECT NO.: #3K92

SITE NAME: TINKER AFB

SAMPLERS (SIGNATURE): Linda Frame James R. Hill

STATION NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	Radioactivity	Pesticides/PCBs SEMI-VOL.	Metals	Herbicides	Water Chem	TOC/COD	VOL. organics	Cyanide	Contaminant Indicator	GRAIN SIZE	REMARKS
SW06	2/5 92	0936		✓	TCC-SW06-W-0002	10	X	X	X	X	X	X	X	X			Water
SD06	2/5 92	0951	✓		TCC-SD06-E-0002	1		X	X					X	X		Soil
SW15	2/5 92	1225		✓	TCC-SW15-W-0002	9	X	X	X	X	X	X	X				Water
SD15	2/5 92	1237	✓		TCC-SD15-E-0002	1	X	X	X						X		Soil
SD15	2/5 92	1237	✓		TCC-SD15-E-0002	1										X	Soil
SW17A	2/5 92	1600		✓	TCC-SW17A-W-0002	2					X	X					Water
SD17A	2/5 92	1610	✓		TCC-SD17A-E-0002	1	X								X		Soil
TBW2	2/5 92	—		✓	T-TBW2-020592	2							X				Trip Blank #2

RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):
Linda Frame	2/5/92 1900				
RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE/TIME:	REMARKS:	

NUS 440 34 0484

Cooler #3 RI

NUS CORPORATION Fed Express Airbill # 3851639816 **CHAIN OF CUSTODY RECORD**

PROJECT NO.: #3K92

SITE NAME: Tinker AFB

SAMPLERS (SIGNATURE): [illegible] James R Hill

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	Organo Phosphorus Pesticides						REMARKS
SW15	2/5 92	1225		✓	TCC-SW15-W-0002	1	X						Water
SW06	2/5 92	0936		✓	TCC-SW06-W-0002	1	X						Water
SW01	2/4 92	1452		✓	TKC-SW01-W-0002	1	X						Water
SW01	2/4 92	1500		✓	TKC-SW01-C-0002	1	X						Duplicate Water

RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):
[illegible]	2/5/93 1700				
RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE/TIME:	REMARKS:	

NUS 440 34 0484

Cooler #5 RI

NUS CORPORATION Fed Express Airbill # 3851639816 **CHAIN OF CUSTODY RECORD**

PROJECT NO.: # 3K92

SITE NAME: Tinker AFB

SAMPLERS (SIGNATURE): [illegible] James R Hill

STATION NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	Organo phorus Pesticides						REMARKS
SW15	2/5 92	1225		✓	TCC-SW15-W-0002	1	X						Water
SW06	2/5 92	0936		✓	TCC-SW06-W-0002	1	X						Water
SW01	2/4 92	1452		✓	TKC-SW01-W-0002	1	X						Water
SW01	2/4 92	1500		✓	TKC-SW01-C-0002	1	X						Duplicate Water

RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):
[illegible]	2/5/93 1700				
RELINQUISHED BY (SIGNATURE):	**DATE/TIME:**	**RECEIVED BY (SIGNATURE):**	**RELINQUISHED BY (SIGNATURE):**	**DATE/TIME:**	**RECEIVED BY (SIGNATURE):**
RELINQUISHED BY (SIGNATURE):	**DATE/TIME:**	**RECEIVED FOR LABORATORY BY (SIGNATURE):**	**DATE/TIME:**	**REMARKS:**	

NUS 440 34 0484

OK CA #23 Cooler #6

NUS CORPORATION Fed X Air bill # 3851639923 **CHAIN OF CUSTODY RECORD**

PROJECT NO.: 3K92

SITE NAME: TINKER AFB

SAMPLERS (SIGNATURE): Linda Frame James R Hill

STATION NO	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	WATER CHEMISTRY	Metals	TOC / COD	contaminant Indicator	SEMI-VOLS	VOL ORGANICS	REMARKS
SW05	2/6 92	1041		✓	TKC-SW05-W-0002	~~3~~ 6	X	X	X		X	X	WATER
SW11	2/6 92	1710		✓	TCC-SW11-W-0002	2	X		X				WATER
SD11	2/6 92	1715	✓		TCC-SD11-E-0002	1				X			Soil
SD03	2/6 92	1615	✓		TKC-SD03-E-0002	1				X			Soil
SD05	2/6 92	1044		✓	TKC-SW05-C-0002	3	X	X	X				Duplicate Water
SD05	2/6 92	1054	✓		TKC-SD05-E-0002	1		X		X	X		Soil
SD05	2/6 92	1054	✓		TKC-SD05-F-0002	1				X			Duplicate Soil
Trip Blank	2/6 92	—		✓	T-TBW3-020692	2						X	Trip Blank

RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):
[illegible]	2/6/92 1000				
RELINQUISHED BY (SIGNATURE):	**DATE/TIME:**	**RECEIVED BY (SIGNATURE):**	**RELINQUISHED BY (SIGNATURE):**	**DATE/TIME:**	**RECEIVED BY (SIGNATURE):**
RELINQUISHED BY (SIGNATURE):	**DATE/TIME:**	**RECEIVED FOR LABORATORY BY (SIGNATURE):**	**DATE/TIME:**	**REMARKS:**	

NUS 440 34 048

OK CA #23 Cooler #6

NUS CORPORATION Fed X Air bill # 3851639923

CHAIN OF CUSTODY RECORD

PROJECT NO.: 3K92

SITE NAME: TINKER AFB

SAMPLERS (SIGNATURE): Linda Frame James R Hill

STATION NO	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	WATER CHEMISTRY	Metals	TOC / COD	Contaminant Indicator	SEMI-VOLS	VOLORGANICS	REMARKS
SW05	2/6 92	1041		✓	TKC-SW05-W-0002	~~3~~ 6	x	x	x		x	x	WATER
SW11	2/6 92	1710		✓	TCC-SW11-W-0002	2	x		x				WATER
SD11	2/6 92	1715	✓		TCC-SD11-E-0002	1				x			Soil
SD03	2/6 92	1615	✓		TKC-SD03-E-0002	1				x			Soil
SD05	2/6 92	1044		✓	TKC-SD05-C-0002	3	x	x	x				Duplicate Water
SD05	2/6 92	1054	✓		TKC-SD05-E-0002	1		x		x	x		Soil
SD05	2/6 92	1054	✓		TKC-SD05-F-0002	1				x			Duplicate Soil
Trip Blank	2/6 92	—		✓	T-TBW3-020692	2						x	Trip Blank

RELINQUISHED BY (SIGNATURE):	DATE/TIME	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE/TIME	RECEIVED BY (SIGNATURE):
[illegible]	2/6/92 1000				
RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE/TIME:	REMARKS:	

NUS 440 34 048

Cooler #7

NUS CORPORATION Fed X Airbill # 3851639934 **CHAIN OF CUSTODY RECORD**

PROJECT NO.: # 3K92

SITE NAME: TINKER AFB

SAMPLERS (SIGNATURE): Quinn Frame / James R. Hill

STATION NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	WATER Chem	TOC/COD/Nitrates	Metals	Cyanide	Pest/PCB	Semi Vols	Volatile Org	Herbicides	Radioactivity	Cont. Ind.	REMARKS
#22	2/8 92	0855		✓	TEC-SW22-QZ-0002	8	1	1	1	1	1	1		1	1		MS/MSD & LD/MS
#22	2/8 92	0855	✓		TEC-SD22-YX-0002	2			x	x	x	x			x	x	MS/MSD & LD/MS
#B2	2/8 92	1131		✓	TCC-SWB2-IV-0002	3	1		1					1			WATER

RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):
[illegible]	2/10/92				
RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE/TIME:	REMARKS:	

NUS 440 34 0484

Cooler #1

NUS CORPORATION Fed X Airbill # 3851639937 **CHAIN OF CUSTODY RECORD**

PROJECT NO.: # 3K92

SITE NAME: TINKER AFB

SAMPLERS (SIGNATURE): Quincy Frame / James R. Hill

STATION NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	WATER Chem	TOC/COD/Nitrates	Metals	Cyanide	Pest/PCB's	Semi Vols	Volatile Org	Herbicides	Radioactivity	Cont. Ind	REMARKS
#22	2/8 92	0855		✓	TEC-SW22-QZ-0002	8	1	1	1	1	1	1		1	1		MS/MSD & LD/MS
#22	2/8 92	0855	✓		TEC-SD22-YX-0002	2			x	x	x	x			x	x	MS/MSD & LD/MS
#B2	2/8 92	1131		✓	TCC-SWB2-W-0002	3	1		1					1			WATER

RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):
Quincy Frame	2/10/92				
RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE/TIME:	REMARKS:	

NUS 440 34 0484

Cooler #8

NUS CORPORATION FED X Air Bill # 3851639934 **CHAIN OF CUSTODY RECORD**

PROJECT NO.: 3K92

SITE NAME: TINKER AFB

SAMPLERS (SIGNATURE): [illegible] / [illegible]

STATION NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	WATER CHEM	TOC/COD/Nitrate	PEST/PCB	SEMIVOL	METALS	Cyanide	VOL. OPC	Herbicides	Radioactivity	CONT. INT.	GRAIN SIZE	REMARKS
B2	2/8/92	1139		✓	TCC-SWB2-W-0002	5		1	1	1		1			1			WATER
B2	2/8/92	1152	✓		TCC-SDB2-E-0002	2			*	*	*	*	X	*	*	*	*	SOIL
24	2/8/92	1625		✓	TEC-SW24-W-0002	4					1	1	↑	1	1			WATER
								Mistakenly										
							Mistake; Will not be analyzed. JMF											

RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):
[illegible]	2/10/92 0935				
RELINQUISHED BY (SIGNATURE):	**DATE/TIME:**	**RECEIVED BY (SIGNATURE):**	**RELINQUISHED BY (SIGNATURE):**	**DATE/TIME:**	**RECEIVED BY (SIGNATURE):**
RELINQUISHED BY (SIGNATURE):	**DATE/TIME:**	**RECEIVED FOR LABORATORY BY (SIGNATURE):**	**DATE/TIME:**	**REMARKS:**	

NUS 440 34 0484

Cooler #8

NUS CORPORATION Fed X Air Bill # 3851639934 **CHAIN OF CUSTODY RECORD**

PROJECT NO.: 3K92

SITE NAME: TINKER AFB

SAMPLERS (SIGNATURE): [illegible] / [illegible]

STATION NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	WATER CHEM	TOC/COD/Nitrate	PEST/PCB	SEMI-VOC	METALS	Cyanide	VOC-DOC	Herbicides	Radioactivity	CONT. INDICATOR	GRAIN SIZE	REMARKS
B2	2/8/92	1139		✓	TCC-SWB2-W-0002	5		1	1	1		1			1			WATER
B2	2/8/92	1152	✓		TCC-SDB2-E-0002	2			*	*	*	*	*	*	*	*	*	SOIL
24	2/8/92	1625		✓	TEC-SW24-W-0002	4					1	1		1	1			WATER

Manually - ✓

Histolog; Will not be analyzed. [illegible]

RELINQUISHED BY (SIGNATURE):	DATE	TIME	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE)
[illegible]	2/10/92	0935				
RELINQUISHED BY (SIGNATURE):	DATE/TIME:		RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE/TIME:		RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE/TIME:	REMARKS:	

NUS 440 34 0484

Cooler # 8

NUS CORPORATION FedX Airbill # 3851 3973 31 **CHAIN OF CUSTODY RECORD**

PROJECT NO.: 3K92

SITE NAME: Tinker AFB

SAMPLERS (SIGNATURE): Linda Hamre / James R Hill

STATION NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	WATER CHEM.	TC/COD/Nitrate	Metals	Cyanide	Pest/PCB	Herbicide	Semi VOC	VOC 8/6	Radioactivity	CONT. IND.	GRAN. STR.	REMARKS
24	2/8 92	1625		✓	TEC-SW24-W-0002	4	1	1			1		1					WATER
24	2/8 92	1645	✓		TEC-SD24-E-0002	2			X	X	*	X	*		*	*	X	SOIL
B1	2/8 92	1252		✓	TEC-SWB1-W-0002	6	1		1	1	1	1			1			WATER
20	2/8 92	1545		✓	TEC-SW20-W-002	1	1											WATER
									Marked by Mistake; Will not [illegible]									
									[illegible]				[illegible]					

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NUS 440 34 0484

Cooler # 8

NUS CORPORATION FedX Airbill # 3851 6 39734 **CHAIN OF CUSTODY RECORD**

PROJECT NO.: 3K92

SITE NAME: Tinker AFB

SAMPLERS (SIGNATURE): Linda Frame / James R. Hill

STATION NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	WATER CHEM	TOC/COD/Nitrate	Metals	Cyanide	Pest/PCB	Herbicide	Semi Vols	VOL. O/G	Radioactivity	CONTIND	GRAN SIZE	REMARKS
24	2/8 92	1625		✓	TEC-SW24-W-0002	4	1	1			1		1					WATER
24	2/8 92	1645	✓		TEC-SD24-E-0002	2			X	X	*	X	*		*	*	X	SOIL
B1	2/8 92	1252		✓	TCC-SWB1-W-0002	6	1		1	1	1	1			1			WATER
20	2/8 92	1545		✓	TCC-SW20-W-002	1	1											WATER
									Marked by Mistake; Will not be used									

RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	**DATE/TIME:**	**RECEIVED BY (SIGNATURE):**	**RELINQUISHED BY (SIGNATURE):**	**DATE/TIME:**	**RECEIVED BY (SIGNATURE):**
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NUS 440 34 0484

Cooler #4

NUS CORPORATION Fed X Air bill # 38 5163 99 34 **CHAIN OF CUSTODY RECORD**

PROJECT NO.: 3K12

SITE NAME: Tinker AFB

SAMPLERS (SIGNATURE): Linda Frame, James R Kiff

STATION NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	WATER CHEM	TOC/COD/Nitrate	Pest/PCB	Semi Vol	VOL. Organ	Herbicides	Radioactivity	Metals	Cyanide	Cont. Ind.	Grain size	REMARKS
B1	2/8/92	1252		✓	TCC-SWB1-W-0002	2		1		1								Water
20	2/8/92	1245		✓	TCC-SW20-W-0002	2		1						1				Water
B1	2/8/92	1310	✓		TCC-SDB1-E-0002	3 ~~2~~ 27			*	*			*	*	*	*	2	
22	2/8/92	0855		✓	TEC-SW22A-W-0002	6	1	1				1	1	1	1			Water
22	2/8/92	0855	✓		TEC-SD22A-E-0002	1			*	*			*	*	*	*		Soil

RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):
[illegible]	2/10/92				
RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE/TIME:	REMARKS:	

NUS 440 34 04P

Cooler #4

NUS CORPORATION Fed X Air bill # 3851639934 **CHAIN OF CUSTODY RECORD**

PROJECT NO.: 3K12

SITE NAME: Tinker AFB

SAMPLERS (SIGNATURE): Linda Frame, James R Kelly

STATION NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	WATER CHEM	Tot/Cov/Nitrate	Rest/Pcb	Semi Vol	Vol. Organ	Herbicides	Radioactivity	Metals	Cyanide	Cont. Tid	Grab/Comp	REMARKS
B1	2/8/92	1252		✓	TCC-SWB1-W-0002	2		1		1								Water
20	2/8/92	1245		✓	TCC-SW20-W-0002	2		1						1				Water
B1	2/8/92	1310	✓		TCC-SDB1-E-0002	3 2			*	*			*	*	*	*	2	
22	2/8/92	0855		✓	TEC-SW22A-W-0002	6	1	1				1	1	1	1			Water
22	2/8/92	0855	✓		TEC-SD22A-E-0002	1			*	*			*	*	*	*		Soil

RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):
[illegible]	2/10/92				
RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE/TIME:	REMARKS:	

NUS 440 34 04P

Cooler #1

NUS CORPORATION FedX Airbill # 3851639934 **CHAIN OF CUSTODY RECORD**

PROJECT NO.: # 3K42

SITE NAME: Tinker AFB

SAMPLERS (SIGNATURE): [illegible]

STATION NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	WATER, GRAB	TCL/COD, NITRATE	Metals	Cyanide	Pest/PCB	Herbicide	Semi Vol	Vol ORG	Radiochem	REMARKS
22	2/8 92	0855		✓	TEC-SW22-W-0002	4					1		1	2		
TBW4	2/9 92	—		✓	T-TBW4-020992	2								2		Trip Blank
B1	2/8 92	1252		✓	TCC-SWB1-W-0002	2								2		
24	2/8 92	1625		✓	TEC-SW24-W-0002	2								2		
B2	2/8 92	1134		✓	TCC-SWB2-W-0002	2								2		
22	2/8 92	0855		✓	TEC-SW22-QZ-0002	2								2		MS/MSD

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NUS 440 34 0484

Cooler #1

NUS CORPORATION FedX Airbill # 3851639934 **CHAIN OF CUSTODY RECORD**

PROJECT NO.: # 3K42 SITE NAME: Tinker AFB

SAMPLERS (SIGNATURE): [illegible]

STATION NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	WATER GRAB	TCE/COD/Nitrate	Metals	Cyanide	Pest/PCB	Herbicide	Semi Vol	VOC	Radioactivity	REMARKS
22	2/8 92	0855		✓	TEC-SW22-W-0002	4					1		1	2		
TBW4	2/9 92	—		✓	T-TBW4-020992	2								2		Trip Blank
B1	2/8 92	1252		✓	TCC-SWB1-W-0002	2								2		
24	2/8 92	1625		✓	TEC-SW24-W-0002	2								2		
B2	2/8 92	1134		✓	TCC-SWB2-W-0002	2								2		
22	2/8 92	0855		✓	TEC-SW22-QZ-0002	2								2		MS/MSD

RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):
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NUS 440 34 0484

Cooler #11 To RAI

NUS CORPORATION Fed X Airbill # 3851639945 **CHAIN OF CUSTODY RECORD**

PROJECT NO.: 3K 42

SITE NAME: Tinker AFB

SAMPLERS (SIGNATURE): Linda Frame James R Hill

STATION NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	Organochlorine pesticides							REMARKS
22	2/8/92	0855		✓	TEC-SW22-W-0002	1	1							WATER
B2	2/8/92	1139		✓	TCC-SWB2-W-0002	1	1							WATER
24	2/8/92	1625		✓	TEC-SW24-W-0002	1	1							WATER
B1	2/8/92	1255		✓	TCC-SWB1-W-0002	1	1							WATER
22	2/8/92	0855		✓	TEC-SW22-QZ-0002	2	2							MS/MSD

RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):
[illegible]	2/10/92				
RELINQUISHED BY (SIGNATURE):	**DATE/TIME:**	**RECEIVED BY (SIGNATURE):**	**RELINQUISHED BY (SIGNATURE):**	**DATE/TIME:**	**RECEIVED BY (SIGNATURE):**
RELINQUISHED BY (SIGNATURE):	**DATE/TIME:**	**RECEIVED FOR LABORATORY BY (SIGNATURE):**	**DATE/TIME:**	**REMARKS:**	

NUS 440 34 0484

Cooler #11 TO RAI

NUS CORPORATION Fed X Airbill # 3851639945 **CHAIN OF CUSTODY RECORD**

PROJECT NO.: 3K92

SITE NAME: Tinker AFB

SAMPLERS (SIGNATURE): Claudia Frame - James R Hill

STATION NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	Organophosphorus						REMARKS
22	2/8/92	0855		✓	TEC-SW22-W-0002	1	1						WATER
B2	2/8/92	1139		✓	TCC-SWB2-W-0002	1	1						WATER
24	2/8/92	1625		✓	TEC-SW24-W-0002	1	1						WATER
B1	2/8/92	1255		✓	TCC-SWB1-W-0002	1	1						WATER
22	2/8/92	0855		✓	TEC-SW22-QZ-002	2	2						MS/MSD

RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE)
[illegible]	2/10/92				
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NUS 440 34 0484

Coolers 12 & 13

NUS CORPORATION FedX Air Bill # 3851639934 **CHAIN OF CUSTODY RECORD**

PROJECT NO.: 3K92

SITE NAME: TINKER AFB

SAMPLERS (SIGNATURE): Linda Frame [signature]

STATION NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	WATER CHEM.	TOC	COD/Nitrate	Semi VOC	Pest/PCB	Metals	Cyanide	Radioactivity	REMARKS
Rinsate Blank	2/9/92	2250		✓	T-RB$1-020992	9	2	2	1	1	1	1	1		Rinsate for Soils in Cooler # 12
Field Blank	2/9	2257		✓	T-FB$1-020992	7	1	1	1	1	1	1	1		Field for Soils in Cooler #13

→ This includes 2 rinsates under same bottle lable. Should have made a seperate entry for T-RB$2-020992. Will need to explain in text.

RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):
[signature]	[illegible]				
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RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE/TIME:	REMARKS:	

NUS 440 34 0484

Coolers 12 & 13

NUS CORPORATION Fed X Air Bill # 3851639934 **CHAIN OF CUSTODY RECORD**

PROJECT NO.: 3K92

SITE NAME: TINKER AFB

SAMPLERS (SIGNATURE): Linda Frame

STATION NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	WATER CHEM	TOC	Low Nitrate	Semi Vol	Pest / PCB	Metals	Cyanide	Radioactivity	REMARKS
Rinsate Blank	2/9 92	2250		✓	T-RB$1-020992	9	2	2	1	1	1	1	1		Rinsate for Soils in Cooler #12
Field Blank	2/9	2257		✓	T-FB$1-020992	7	1	1	1	1	1	1	1		Field for Soils in Cooler #13

→ This includes 2 rinsates under same bottle lable. Should have made a seperate entry for T-RB$2-020992. Will need to explain in text.

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NUS 440 34 0484

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NUS CORPORATION AND SUBSIDAIRES Fed Exp Air bill # 214 337 683 ~~6~~ 5 fix **CHAIN OF CUSTODY RECORD**

PROJECT NO.: 3K92

SITE NAME: Tinker AFB

SAMPLERS (SIGNATURE): Leicha Frame LR Ellis

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	Nitrogen/TOC amt	Semi VOCs	Pesticides PCBs	Herbicides	Radioactivity	Water Chemistry	Metals	Cyanide	REMARKS
#6	5/6 92	1520		✓	TCC-SW06-W-0003	9	1	1	1	1	1	2	1	1	
#11	5/6 92	1800		✓	TCC-SW11-W-0003	3	1					2			

Note: Bottle ~~labele~~ LL for TOC/Nitrogen is labelled for Nitrogen. Meals to TOC.

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
LR Ellis	5/7/92 0835				
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
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		T. Carnegie	5/8 0940		

NUS 440 REVISED 0890

NUS CORPORATION AND SUBSIDAIRES Fed Exp Air bill # 2143376836 fix **CHAIN OF CUSTODY RECORD**

PROJECT NO.: 3K92

SITE NAME: Tinker AFB

SAMPLERS (SIGNATURE): Leach Frame LR Ellis

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	~~Nitrogen~~ TOC and	Semivols	Pesticides PCBs	Herbicides	Radioactivity	Water Chemistry	Metals	Cyanide	REMARKS
#6	5/6 92	1520		✓	TCC-SW06-W-0003	9	1	1	1	1	1	2	1	1	
#11	5/6 92	1800		✓	TCC-SW11-W-0003	3	1					2			

Note: Bottle ~~labels~~ LH for TOC/Nitrogen is labelled for Nitrogen. Meals to TOC.

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
LR Ellis	5/7/92 0835				
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS:	
		T. Carney	5/8 0900		

NUS 440 REVISED 0890

NUS CORPORATION Fed Exp # 214 3376771 **CHAIN OF CUSTODY RECORD**

PROJECT NO.: 3K92

SITE NAME: Tinker AFB

SAMPLERS (SIGNATURE): Linda Frame LR Elen

STATION NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	Pest/PCBs	Semivols	Radioactivity	Herbicides	Water Chem	Cyanide	~~Halogenated VOC~~	Metals	REMARKS
#6	5/6 92	1545		✓	TCC-SW06-Z-0003	9	1	1	1	1	2	1	1	1	

RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):
LR Elen	5/7/92 0850				
RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE/TIME:	REMARKS:	
		L. Carnegie	5/8 0900		

NUS 440 34

NUS CORPORATION Fed Exp # 214 3376771 **CHAIN OF CUSTODY RECORD**

PROJECT NO.: 3K92

SITE NAME: Tinker AFB

SAMPLERS (SIGNATURE): Linda Frame, LR Ellis

STATION NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	Pest/PCBs	Semivols	Radioactivity	Herbicides	Water Chem	Cyanide	[illegible]	Metals	REMARKS
#6	5/6 92	1545		✓	TCC-SW06-Z-0003	9	1	1	1	1	2	1	1	1	

RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):
LR Ellis	5/7/92 0850				
RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE/TIME:	REMARKS:	
		L. Carnegie	5/8 0900		

NUS 440 34

NUS CORPORATION Fed X # 2143376 ~~830~~ 771 **CHAIN OF CUSTODY RECORD**

PROJECT NO.: 3K92

SITE NAME: Tinker AFB

SAMPLERS (SIGNATURE): Linda Frame Jr Ellis

STATION NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	Pest/PCBs	Herbicides	Metals	Cyanide	Water Chem	Radio.	Nitrogen Tot	Semi Vols	REMARKS
#6	5/6 92	1600		✓	TCC-SW06-Q-0003	9	1	1	1	1	2	1	1	1	

RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):
Linda Frame	5/7/92 0900				
RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):
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		T. Carnegie	5/8 0900		

NUS 440 34 0484

NUS CORPORATION Fed X # 2143376 ~~830~~ 771 214 **CHAIN OF CUSTODY RECORD**

PROJECT NO.: 3K92

SITE NAME: Tinker AFB

SAMPLERS (SIGNATURE): Linda Frame Jr Ellis

STATION NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	Pest/PCBs	Herbicides	Metals	Cyanide	Water Chem	Radio.	Nitrogen TOC	Semivols	REMARKS
#6	5/6 92	1600		✓	TCC-SW06-Q-0003	9	1	1	1	1	2	1	1	1	

RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):
Linda Frame	5/7/92 0900				
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RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE): T. Carnegie	DATE/TIME: 5/8 0900	REMARKS:	

NUS 440 34 0484

NUS CORPORATION AND SUBSIDAIRES

CHAIN OF CUSTODY RECORD

PROJECT NO.: 3K92

SITE NAME: Tinker AFB

SAMPLERS (SIGNATURE): Quita Frame JR Ellis

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	BOD, Turbidity And MBAS						REMARKS
#6	5/6 92	1600		✓	TCC-SW06-G-0003	1	1						
#6	5/6 92	1545		✓	TCC-SW06-Z-0003	1	1						
#6	5/6 92	1530		✓	TCC-SW06-C-0003	1	1						
#11	5/6 92	1800		✓	TCC-SW11-W-0003	1	1						
#6	5/6 92	1520		✓	TCC-SW06-W-0003	1	1						
#20	5/6 92	1715		✓	TCC-SW20-W-0003	1	1						
#1	5/6 92	1415		✓	TKC-SW01-W-0003	1	1						

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Quita Frame	5/7/92 12:00	[illegible]			
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NUS 440 REVISED 0891

NUS CORPORATION AND SUBSIDAIRES

CHAIN OF CUSTODY RECORD

PROJECT NO.: 3K92

SITE NAME: Tinker AFB

SAMPLERS (SIGNATURE): Kurtis Frame JR Ellis

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	BOD, Turbidity	AML MBAS						REMARKS
#6	5/6 92	1600		✓	TCC-SW06-G-0003	1	1							
#6	5/6 92	1545		✓	TCC-SW06-Z-0003	1	1							
#6	5/6 92	1530		✓	TCC-SW06-C-0003	1	1							
#11	5/6 92	1800		✓	TCC-SW11-W-0003	1	1							
#6	5/6 92	1520		✓	TCC-SW06-W-0003	1	1							
#20	5/6 92	1715		✓	TCC-SW20-W-0003	1	1							
#1	5/6 92	1415		✓	TCC-SW01-W-0003	1	1							

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
Kurtis Frame	5/7/92 12:00	[illegible signature]			
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
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NUS 440 REVISED 0890

NUS CORPORATION AND SUBSIDAIRES Fed Exp Airbill # 2143376 ~~830~~ 771 27 **CHAIN OF CUSTODY RECORD**

PROJECT NO.: 3K92

SITE NAME: TINKER AFB

SAMPLERS (SIGNATURE): Lucia Frame, Fr Ellis

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	~~Hydrocarbons~~ TOC	Metals	Herbicides	Water Chem.	Cyanide	Semi Vols	~~Pest~~ Pest/PCBs	Radioactivity	REMARKS
#6	5/6 92	1530		✓	TCC-SW06-C-0003	9	1	1	1	2	1	1			Duplicate Water
													1	1	

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
Fr Ellis	5/7/92 0830				
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS:	
		T. Carrigan	5/8 0900		

NUS 440 REVISED 0890

NUS CORPORATION AND SUBSIDAIRES Fed Exp Airbill # 2143376 ~~030~~ 771 27 CHAIN OF CUSTODY RECORD

PROJECT NO.: 3K92

SITE NAME: TINKER AFB

SAMPLERS (SIGNATURE): Lucie Frame, Lk Ellis

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	~~Nitrogen~~ TOC	Metals	Herbicides	Water Chem.	Cyanide	Semi Vols	~~Pest~~ Pest/PCBs	Radioactivity	REMARKS
#6	5/6 92	1530		✓	TCC-SW06-C-0003	9	1	1	1	2	1	1			Duplicate Water
													1	1	

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
LK Ellis	5/7/92 0830				
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS:	
		T. Carrigan	5/8 0900		

NUS 448 REVISED 0890

NUS CORPORATION Fed Express Air Bill # 2143376826 **CHAIN OF CUSTODY RECORD**

PROJECT NO.: 3K92

SITE NAME: Tinker AFB

SAMPLERS (SIGNATURE): Linda Frana [illegible]

STATION NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	Volatile Org						REMARKS
#22A	5/7/92	1725		✓	TEC-SW22A-W-0003	2	2						
#1	5/6/92	1415		✓	TKC-SW01-W-0003	2	2						
#6	5/6/92	1520		✓	TCC-SW06-W-0003	2	2						
#6	5/6/92	1530		✓	TCC-SW06-C-0003	2	2						Duplicate
#6	5/6/92	1545		✓	TCC-SW06-Z-0003	2	2						
#6	5/6/92	1600		✓	TCC-SW06-Q-0003	2	2						
Trip Blank	5/8/92	—		✓	T-TBW1-050892	2	2						TRIP Blank
#15	5/7/92	1530		✓	TCC-SW15-W-0003	2	2						
#5	5/7/92	1400		✓	TCC-SW05-W-0003	2	2						

RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE/TIME	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE): L. Carnyc	DATE/TIME: 5/11/92 0900	REMARKS:	

NUS 440?

NUS CORPORATION Fed Express Air Bill # 2143376826 **CHAIN OF CUSTODY RECORD**

PROJECT NO.: 3K92

SITE NAME: Tinker AFB

SAMPLERS (SIGNATURE): Linda Frana Griffiths

STATION NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	Volatile Org						REMARKS
#22A	5/7 92	1725		✓	TEC-SW22A-W-0003	2	2						
# 1	5/6 92	1415		✓	TKC-SW01-W-0003	2	2						
#6	5/6 92	1520		✓	TCC-SW06-W-0003	2	2						
#6	5/6 92	1530		✓	TCC-SW06-C-0003	2	2						Duplicate
#6	5/6 92	1545		✓	TCC-SW06-Z-0003	2	2						
#6	5/6 92	1600		✓	TCC-SW06-Q-0003	2	2						
Trip Blank	5/8 92	—		✓	T-TBW1-050892	2	2						TRIP Blank
#15	5/7 92	1530		✓	TCC-SW15-W-0003	2	2						
#5	5/7 92	1400		✓	TCC-SW05-W-0003	2	2						

RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE/TIME	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE): T. Carrigan	DATE/TIME: 5/11/92 0560	REMARKS:	

NUS 440?

NUS CORPORATION Fed Express Air Bill # 2143376826 **CHAIN OF CUSTODY RECORD**

PROJECT NO.: 3K92

SITE NAME: Tinker AFB

SAMPLERS (SIGNATURE): Linda Frame McCullen

STATION NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	Volatile Org.						REMARKS
#22A	5/7 92	1725		✓	TEC-SW22A-W-0003	2	2						
# 1	5/6 92	1415		✓	TKC-SW01-W-0003	2	2						
#6	5/6 92	1520		✓	TCC-SW06-W-0003	2	2						
#6	5/6 92	1530		✓	TCC-SW06-C-0003	2	2						Duplicate
#6	5/6 92	1545		✓	TCC-SW06-Z-0003	2	2						
#6	5/6 92	1600		✓	TCC-SW06-Q-0003	2	2						
Trip Blank	5/8 92	—		✓	T-TBW1-050892	2	2						TRIP Blank
#15	5/7 92	1530		✓	TCC-SW15-W-0003	2	2						
#5	5/7 92	1400		✓	TCC-SW05-W-0003	2	2						
					WAS spiked with								
					HCL KEW 6/24/92								

RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE/TIME: 5/11/92 1650	REMARKS:	

NUS CORPORATION Fed Express Air Bill # 2143376826 **CHAIN OF CUSTODY RECORD**

PROJECT NO.: 3K92

SITE NAME: Tinker AFB

SAMPLERS (SIGNATURE): Linda Frana Griffiths

STATION NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	Volatile Org.							REMARKS
#22A	5/7/92	1725		✓	TEC-SW22A-W-0003	2	2							
# 1	5/6/92	1415		✓	TKC-SW01-W-0003	2	2							
#6	5/6/92	1520		✓	TCC-SW06-W-0003	2	2							
#6	5/6/92	1530		✓	TCC-SW06-C-0003	2	2							Duplicate
#6	5/6/92	1545		✓	TCC-SW06-Z-0003	2	2							
#6	5/6/92	1600		✓	TCC-SW06-Q-0003	2	2							
Trip Blank	5/8/92	—		✓	T-TBW1-050892	2	2							TRIP Blank
#15	5/7/92	1530		✓	TCC-SW15-W-0003	2	2							
#5	5/7/92	1400		✓	TCC-SW05-W-0003	2	2							
					WAS spiked with									
					HCL KEW 6/24/92									

RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE): T. Carroll	DATE/TIME: 5/11/92 1650	REMARKS:	

NUS CORPORATION Fed Exp Air Bill # 2143376815 **CHAIN OF CUSTODY RECORD**

PROJECT NO.: 3K92

SITE NAME: Tinker AFB

SAMPLERS (SIGNATURE): Linda Frame

STATION NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	TOC	Cyanide	Herbicides	Water Chem	Metal	Radioactivity	Pest/PCBs	Semi Vols	REMARKS
22A	5/7/92	1725		✓	TEC-SW22A-W-0003	9	1	1	1	2	1	1	1	1	
15	5/7/92	1530		✓	TCC-SW15-W-0003	2				2					

TOC = H_2SO_4 - preserved bottle for TOC and NO_3. PLL

Water chem. = unpreserved bottle for alkalinity (tot.), COD, Cl, TDS, TSS, F, and hardness. PLL

RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):
JR Ellis	5/8/92 0830				
RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE): T. Conway	DATE/TIME: 5/9 1100	REMARKS:	

NUS 440 34

NUS CORPORATION Fed Exp Air Bill # 2143376815 **CHAIN OF CUSTODY RECORD**

PROJECT NO.: 3K92

SITE NAME: Tinker AFB

SAMPLERS (SIGNATURE): Linda Frame

STATION NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	TOC	Cyanide	Herbicides	Water Chem	Metal	Radioactivity	Pest/PCB	Semi Vols	REMARKS
22A	5/7/92	1725		✓	TEC-SW22A-W-0003	9	1	1	1	2	1	1	1	1	
15	5/7/92	1530		✓	TCC-SW15-W-0003	2				2					

TOC = H_2SO_4 - preserved bottle for TOC and NO_3. PLL

Water chem. = unpreserved bottle for alkalinity (tot.), COD, Cl, TDS, TSS, F, and hardness. PLL

RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):
JR Ellis	5/8/92 0830				
RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE/TIME:	REMARKS:	
		F. Carney	5/9 1100		

NUS 440 34

NUS CORPORATION Fed Exp Air Bill # 2143376815 **CHAIN OF CUSTODY RECORD**

PROJECT NO.: 3K92

SITE NAME: Tinker AFB

SAMPLERS (SIGNATURE): Linda Flame

STATION NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	Water Clean	TOC	Semi-VOCs	Pest/PCBs	Herbicides	Metals	REMARKS
5	5/7/92	1400		✓	TCC-SW05-W-0003	4	2	1	1				STRONG HYDROCARBON ODOR
15	5/7/92	1530		✓	TCC-SW15-W-0003	5		1	1	1	1	1	

RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):
Linda Flame	5/8/92 0830				
RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE): T. Carney	DATE/TIME: 5/9 1100	REMARKS:	

NUS 440 34 0494

NUS CORPORATION Fed Exp Air Bill # 2143376815 **CHAIN OF CUSTODY RECORD**

PROJECT NO.: 3K92

SITE NAME: Tinker AFB

SAMPLERS (SIGNATURE): Linda Flame

STATION NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	Water Clean	TOC 1	Semi-VOCs 1	Pest/PCBs	Herbicides 1	Metals 1	REMARKS
5	5/7/92	1400		✓	TCC-SW05-W-0003	4	2	1	1				STRONG HYDROCARBON ODOR
15	5/7/92	1530		✓	TCC-SW15-W-0003	5		1	1	1	1	1	

RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):
Linda Flame	5/8/92 0830				
RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE): T. Carney	DATE/TIME: 5/9 1100	REMARKS:	

NUS 440 34 0494

NUS CORPORATION Hand delivered to Alpha Labs. **CHAIN OF CUSTODY RECORD**

PROJECT NO.: 3K72

SITE NAME: Tinker AFB

SAMPLERS (SIGNATURE): [illegible]

STATION NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	BOD	Turbidity	MBAS				REMARKS
22A	5/7/92	1725		✓	TEC-SW22A-W-0003	1	✓	✓	✓				
15	5/7/92	1530		✓	TCC-SW15-W-0003	1	✓	✓					

RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):
[illegible]	5/8/92 1400	Abby Williams			
RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE/TIME:	REMARKS:	

NUS 440 34 07

NUS CORPORATION Hand delivered to Alpha Labs. **CHAIN OF CUSTODY RECORD**

PROJECT NO.: 3K72

SITE NAME: Tinker AFB

SAMPLERS (SIGNATURE): [illegible]

STATION NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	BOD	Turbidity	MBAS				REMARKS
22A	5/7/92	1725		✓	TEC-SW22A-W-0003	1	✓	✓	✓				
15	5/7/92	1530		✓	TCC-SW15-W-0003	1	✓	✓					

RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):
[illegible]	5/8/92 1400	Abby Millirron			
RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE/TIME:	REMARKS:	

NUS 440 34 0/

NUS CORPORATION AND SUBSIDAIRES

Fed Exp Airbill 2143306771

CHAIN OF CUSTODY RECO

PROJECT NO.: 3K92

SITE NAME: TINKER AFB

SAMPLERS (SIGNATURE): Linda Frame, JK Ellis

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	~~[illegible]~~ TOC	Semivolatile	Pesticides/PCBs	Water Chem.	Metals	Cyanide	Herbicides	Radioactivity	REMARKS
#1	5/8/92	1415		✓	TKC-SW01-W-0003	9	1	1	1	2	1	1	1	1	
#20	5/8/92	1715		✓	TCC-SW20-W-0003	3	1			2					

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
Linda Frame	5/7/92 0900				
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS:	
		T. Carnegie	5/8 0900		

NUS 440 REVISED 0890

NUS CORPORATION AND SUBSIDAIRES — Fed Exp Airbill 2143306771 — CHAIN OF CUSTODY RECORD

PROJECT NO.: 3K92

SITE NAME: TINKER AFB

SAMPLERS (SIGNATURE): Linda Frame, JK Ellis

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	~~[illegible]~~	TOC	Semivolatile	Pesticides/PCBs	Water Chem.	Metals	Cyanide	Herbicides	Radioactivity	REMARKS
#1	5/8/92	1415		✓	TKC-SW01-W-0003	9	1	1	1	2	1	1	1	1		
#20	5/8/92	1715		✓	TCC-SW20-W-0003	3	1			2						

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
Linda Frame	5/7/92 0900				

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS:
		T. Carnegie	5/8 0900	

NUS 440 REVISED 0890

APPENDIX D

LABORATORY QUALITY ASSURANCE PROJECT PLAN

APPENDIX D

LABORATORY QUALITY ASSURANCE PROJECT PLAN

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PROJECT WORK PLAN

FOR

HAZWRAP CONTRACT

ANALYTICAL SUPPORT FOR RCRA CORRECTIVE ACTION SITE INVESTIGATION AT TINKER AIR FORCE BASE PROJECT NO. 3K92-BC00

HALLIBURTON NUS ENVIRONMENTAL CORPORATION
LABORATORY SERVICES GROUP

JULY 2, 1991

Approvals:

LSG Assistant General Manager	Date 7/8/91	LSG Project Manager	Date 7/8/91	LSG Quality Assurance Coordinator	Date 07-08-91

PROJECT WORK PLAN

FOR

HAZWRAP CONTRACT

**ANALYTICAL SUPPORT FOR RCRA
CORRECTIVE ACTION SITE INVESTIGATION AT
TINKER AIR FORCE BASE
PROJECT NO. 3K92-BC00**

HALLIBURTON NUS ENVIRONMENTAL CORPORATION
LABORATORY SERVICES GROUP

JULY 2, 1991

Approvals:

	7/8/91		7/8/91		07-08-91
LSG Assistant General Manager	Date	LSG Project Manager	Date	LSG Quality Assurance Coordinator	Date

HAZWRAP CONTRACT
ANALYTICAL SUPPORT FOR RCRA
CORRECTIVE ACTION SITE INVESTIGATION AT
TINKER AIR FORCE BASE
PROJECT NO. 3K92-BC00

1.0 PROJECT OBJECTIVES

As part of the Hazardous Waste Remedial Actions Program (HAZWRAP), Halliburton NUS Corporation's Environmental Technology Group (ETG) is under contract with Martin Marietta Energy Systems, Inc. (MMES) to provide a wide variety of engineer and environmental support services for numerous Air Force installations in the Sou Central region of the United States. HAZWRAP, a branch of MMES, provides support to the U.S. Department of Energy (DOE) and other federal agencies to meet the National Contingency Plan (NCP) of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA).

The current assignment at Tinker Air Force Base will include the sampling (by ETG) and analysis of approximately 25 soil and 25 water samples for a variety of parameters including metals, miscellaneous inorganics, volatiles, semivolatiles, and pesticides/PCBs. While HAZWRAP requirements are normally based on CERCLA, Tinker Air Force Base must comply with RCRA corrective action requirements. Therefore, the list of required analytes is based on RCRA, and the analytical methods and quality control requirements, where feasible, are adapted from "Test Methods for Evaluating Solid Wastes," SW-846, 3rd edition, rather than CLP protocol.

Details on the QA objectives as well as the analytical and reporting requirements plus the anticipated project schedule are presented in subsequent sections of this work plan.

HAZWRAP CONTRACT
ANALYTICAL SUPPORT FOR RCRA
CORRECTIVE ACTION SITE INVESTIGATION AT
TINKER AIR FORCE BASE
PROJECT NO. 3K92-BC00

1.0 PROJECT OBJECTIVES

As part of the Hazardous Waste Remedial Actions Program (HAZWRAP), Halliburton NUS Corporation's Environmental Technology Group (ETG) is under contract with Martin Marietta Energy Systems, Inc. (MMES) to provide a wide variety of engineer and environmental support services for numerous Air Force installations in the Sou Central region of the United States. HAZWRAP, a branch of MMES, provides support to the U.S. Department of Energy (DOE) and other federal agencies to meet the National Contingency Plan (NCP) of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA).

The current assignment at Tinker Air Force Base will include the sampling (by ETG) and analysis of approximately 25 soil and 25 water samples for a variety of parameters including metals, miscellaneous inorganics, volatiles, semivolatiles, and pesticides/PCBs. While HAZWRAP requirements are normally based on CERCLA, Tinker Air Force Base must comply with RCRA corrective action requirements. Therefore, the list of required analytes is based on RCRA, and the analytical methods and quality control requirements, where feasible, are adapted from "Test Methods for Evaluating Solid Wastes," SW-846, 3rd edition, rather than CLP protocol.

Details on the QA objectives as well as the analytical and reporting requirements plus the anticipated project schedule are presented in subsequent sections of this work plan.

2.0 CLIENT INFORMATION

2.1 Names and Addresses

2.1.1 Tinker Air Force Base (For sample bottles)

Mr. Subijoy Dutta
Environmental Management
Building 3333
Tinker Air Force Bake, OK 73145
(405) 736-3199

2.1.2 Halliburton NUS/Environmental Technology Group

Mr. Phil Ottinger
Project Manager
Halliburton NUS Environmental Corporation
800 Oak Ridge Turnpike
Oak Ridge, TN 37830
(615) 483-9900

2.2 RFQ No.: Not applicable

2.3 Halliburton NUS Contract No.: 13B-99784C, Task Order Y04

3.0 LSG MANAGEMENT

3.1 Project Manager: Pat Lynch

3.2 Proposal No.: Not applicable

4.0 SCOPE OF SERVICES

4.1.1 Provision of preserved sample bottles, shipping containers, and trip blanks plus additional unpreserved bottles (about 20) to be used for decontamination during sample collection. Specially-purchased (ICHEM) bottles will be used. The ICHEM quality control certificates will be shipped with the sample bottles to initiate tracking of bottles by lot

2.0 CLIENT INFORMATION

2.1 Names and Addresses

2.1.1 Tinker Air Force Base (For sample bottles)

Mr. Subijoy Dutta
Environmental Management
Building 3333
Tinker Air Force Bake, OK 73145
(405) 736-3199

2.1.2 Halliburton NUS/Environmental Technology Group

Mr. Phil Ottinger
Project Manager
Halliburton NUS Environmental Corporation
800 Oak Ridge Turnpike
Oak Ridge, TN 37830
(615) 483-9900

2.2 RFQ No.: Not applicable

2.3 Halliburton NUS Contract No.: 13B-99784C, Task Order Y04

3.0 LSG MANAGEMENT

3.1 Project Manager: Pat Lynch

3.2 Proposal No.: Not applicable

4.0 SCOPE OF SERVICES

4.1.1 Provision of preserved sample bottles, shipping containers, and trip blanks plus additional unpreserved bottles (about 20) to be used for decontamination during sample collection. Specially-purchased (ICHEM) bottles will be used. The ICHEM quality control certificates will be shipped with the sample bottles to initiate tracking of bottles by lot

number. The type of bottles and appropriate preservatives are described in Table 4-1. Bottle shipments will be coordinated through the Logistics Coordinator. The LSG project manager will complete the bottle order form.

4.1.2 Analysis of water and soil samples as noted on the field chain-of-custody forms. A list of the analyses that will be required is found in Section 4.3 of this work plan.

4.1.3 Provision of reports and quality control data as described in Section 4.5 of this work plan.

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4.1.2 Analysis of water and soil samples as noted on the field chain-of-custody forms. A list of the analyses that will be required is found in Section 4.3 of this work plan.

4.1.3 Provision of reports and quality control data as described in Section 4.5 of this work plan.

TABLE 4-1
SAMPLE BOTTLE REQUIREMENTS[1]

Number/Size/Type	Parameters	Preservation
Water Samples		
2 - 1/2 gallon glass with Teflon-lined cap (ICHEM)	Semivolatiles and Pesticides/PCBs	Cool, 4°C
2 - 40 ml VOA vials with Teflon-lined septum	Volatiles	Cool, 4°C, HCl to pH <2
1 - 1 liter plastic	Metals	HNO_3 to pH <2
1 - 1 liter plastic	Cyanide	NaOH to pH >12, Cool 4°C
1 - 1 liter plastic	Total Solids, Chloride, Sulfate, TSS, Alkalinity, Spec. Cond., Salinity, TDS	Cool, 4°C
1 - 8 oz. plastic	TOC, COD	H_2SO_4 to pH <2; Cool, 4°C
1 - 8 oz. glass	Total phenols	H_2SO_4 to pH <2, Cool, 4°C
1 - 1 liter glass	Oil and grease	H_2SO_4 to pH <2, Cool, 4°C
1 - 500 ml plastic	Nitrate	H_2SO_4 to pH <2; Cool, 4°C
1 500 ml glass	TOX	H_2SO_4; Cool, 4°C
Soil Samples		
2 - 8 oz. glass	All parameters[2] (See Section 4.3)	Cool, 4°C

[1] ICHEM (or equivalent)

[2] 1 - 80 oz. glass for samples analyzed for metals only.

TABLE 4-1
SAMPLE BOTTLE REQUIREMENTS[1]

Number/Size/Type	Parameters	Preservation
Water Samples		
2 - 1/2 gallon glass with Teflon-lined cap (ICHEM)	Semivolatiles and Pesticides/PCBs	Cool, 4°C
2 - 40 ml VOA vials with Teflon-lined septum	Volatiles	Cool, 4°C, HCl to pH <2
1 - 1 liter plastic	Metals	HNO_3 to pH <2
1 - 1 liter plastic	Cyanide	NaOH to pH >12, Cool 4°C
1 - 1 liter plastic	Total Solids, Chloride, Sulfate, TSS, Alkalinity, Spec. Cond., Salinity, TDS	Cool, 4°C
1 - 8 oz. plastic	TOC, COD	H_2SO_4 to pH <2; Cool, 4°C
1 - 8 oz. glass	Total phenols	H_2SO_4 to pH <2, Cool, 4°C
1 - 1 liter glass	Oil and grease	H_2SO_4 to pH <2, Cool, 4°C
1 - 500 ml plastic	Nitrate	H_2SO_4 to pH <2; Cool, 4°C
1 500 ml glass	TOX	H_2SO_4; Cool, 4°C
Soil Samples		
2 - 8 oz. glass	All parameters[2] (See Section 4.3)	Cool, 4°C

[1] ICHEM (or equivalent)

[2] 1 - 80 oz. glass for samples analyzed for metals only.

4.2 Project Schedule

Sample collection is scheduled to begin on or around July 2, 1991 and to continue for six consecutive days. Samples will be received on July 3, 5, 6, and 8. The following milestones are applicable to this project:

4.2.1 Completion of analysis - within the holding times as measured from the date of sample collection. These holding times are described in LSG's "Laboratory Quality Assurance Plan in Support of the DOE's Hazardous Waste Remedial Actions Program (HAZWRAP)," June 1, 1991, Section 10.0. The holding times are also found on Table 6-1 of LSG's General Quality Assurance Plan. The scheduling requirements outlined below (4.2.2) take precedence over holding times in cases where holding times are longer.

4.2.2 Submittal of data packages to ETG - within 28 calendar days of receipt of the last sample in a sample delivery group (SDG). The LSG project manager will designate each SDG and publish final due dates. The first SDG has been designated as Case ID: TNK, SDG No.: PKG 1. Each subsequent SDG will have the same case ID and the next sequential SDG No. (i.e., PKG 2, PKG 3, etc.).

4.3 Analytical Requirements

The estimated number of samples and required analyses plus method references and test codes are provided in Tables 4-2 through 4-4. The CRDLs and CRQLs as found in the July 1988 CLP Statement of Work (SOW) for inorganics and the February 1988 SOW for organics will be reported for the applicable parameters. Otherwise, LSG's routine reporting limits will be used.

All soil field samples (approximately 32 including field duplicates, field blanks, etc.) will be analyzed for RCRA metals plus antimony, beryllium, cobalt, copper, nickel, thallium, vanadium, and zinc. Other parameters listed in Table 4-2 will be assigned to some of these same samples.

4.2 Project Schedule

Sample collection is scheduled to begin on or around July 2, 1991 and to continue for six consecutive days. Samples will be received on July 3, 5, 6, and 8. The following milestones are applicable to this project:

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All soil field samples (approximately 32 including field duplicates, field blanks, etc.) will be analyzed for RCRA metals plus antimony, beryllium, cobalt, copper, nickel, thallium, vanadium, and zinc. Other parameters listed in Table 4-2 will be assigned to some of these same samples.

Approximately 29 water samples, including field QC, will be collected. All of these samples will be analyzed for the contaminant indicators. Additional analyses will be assigned on a portion of these same 29 samples as indicated on the chain-of-custody.

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TABLE 4-2

Estimated No. of Samples[1]	Matrix	Analyses	Method References[2]	Test Code[3] (PM/AM)
		Contaminant List 1		
9	Soil	Aluminum	CLP 200.7	ACLPS (00/A02SC[5])
9	Soil	Boron	ICP (with acid digestion)	ABS (L03SRZ-/A03R-)
9	Soil	Calcium	CLP 200.7	---------
9	Soil	Carbonate[4]	Agronomy No. 9/ SM 403	I026S (L01S/I112SPS-)
9	Soil	Bicarbonate[4]	Agronomy No. 9/ SM 403	I024S (L01S/I112SPS-)
9	Soil	Chloride	Agronomy No. 9/ SW 9252	1130S (L0IS/I138SE)
9	Soil	Fluoride	SM 413A	I310S (I06SE-/I155SE-)
9	Soil	Iron	CLP 200.7	---------
9	Soil	Magnesium	CLP 200.7	---------
9	Soil	Manganese	CLP 200.7	---------
9	Soil	Nitrate (as N)	Agronomy No. 9/ EPA 353.2	I390S (L01S/I191SE)

TABLE 4-2

Estimated No. of Samples[1]	Matrix	Analyses	Method References[2]	Test Code[3] (PM/AM)
		Contaminant List 1		
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9	Soil	Boron	ICP (with acid digestion)	ABS (L03SRZ-/A03R-)
9	Soil	Calcium	CLP 200.7	---------
9	Soil	Carbonate[4]	Agronomy No. 9/ SM 403	I026S (L01S/I112SPS-)
9	Soil	Bicarbonate[4]	Agronomy No. 9/ SM 403	I024S (L01S/I112SPS-)
9	Soil	Chloride	Agronomy No. 9/ SW 9252	I130S (L0IS/I138SE)
9	Soil	Fluoride	SM 413A	I310S (I06SE-/I155SE-)
9	Soil	Iron	CLP 200.7	---------
9	Soil	Magnesium	CLP 200.7	---------
9	Soil	Manganese	CLP 200.7	---------
9	Soil	Nitrate (as N)	Agronomy No. 9/ EPA 353.2	I390S (L01S/I191SE)

TABLE 4-2
(Continued)

Estimated No. of Samples[1]	Matrix	Analyses	Method References[2]	Test Code[3] (PM/AM)
9	Soil	Phosphorus	EPA 365.2	I540S (00/I280SE-)
9	Soil	Potassium	CLP 200.7	---------
9	Soil	Sodium	CLP 200.7	---------
9	Soil	pH	SW 9045	I490S (00/I260SR-)
9	Soil	Strontium	SM 303A	ASRS (L03SRZ-/A03R-)
9	Soil	Sulfate	SW 9038	I730S (L01S/I360SE-)
9	Soil	TOC	Walkley-Black	I107S (00/I133SH)
Metals				
32	Soil	Antimony	CLP 204.2	ACLPS (00/A02SC[5])
32	Soil	Arsenic	CLP 206.2	---------
32	Soil	Barium	CLP 200.7	---------
32	Soil	Beryllium	CLP 200.7	---------
32	Soil	Cadmium	CLP 200.7	---------
32	Soil	Chromium	CLP 200.7	---------
32	Soil	Cobalt	CLP 200.7	---------
32	Soil	Copper	CLP 200.7	---------
32	Soil	Lead	CLP 239.2	---------
32	Soil	Mercury	CLP 245.5	---------
32	Soil	Nickel	CLP 200.7	---------

TABLE 4-2
(Continued)

Estimated No. of Samples[1]	Matrix	Analyses	Method References[2]	Test Code[3] (PM/AM)
9	Soil	Phosphorus	EPA 365.2	I540S (00/I280SE-)
9	Soil	Potassium	CLP 200.7	---------
9	Soil	Sodium	CLP 200.7	---------
9	Soil	pH	SW 9045	I490S (00/I260SR-)
9	Soil	Strontium	SM 303A	ASRS (L03SRZ-/A03R-)
9	Soil	Sulfate	SW 9038	I730S (L01S/I360SE-)
9	Soil	TOC	Walkley-Black	I107S (00/I133SH)
Metals				
32	Soil	Antimony	CLP 204.2	ACLPS (00/A02SC[5])
32	Soil	Arsenic	CLP 206.2	---------
32	Soil	Barium	CLP 200.7	---------
32	Soil	Beryllium	CLP 200.7	---------
32	Soil	Cadmium	CLP 200.7	---------
32	Soil	Chromium	CLP 200.7	---------
32	Soil	Cobalt	CLP 200.7	---------
32	Soil	Copper	CLP 200.7	---------
32	Soil	Lead	CLP 239.2	---------
32	Soil	Mercury	CLP 245.5	---------
32	Soil	Nickel	CLP 200.7	---------

TABLE 4-2
(Continued)

Estimated No. of Samples[1]	Matrix	Analyses	Method References[2]	Test Code[3] (PM/AM)
32	Soil	Selenium	CLP 270.2	---------
32	Soil	Silver	CLP 200.7	---------
32	Soil	Thallium	CLP 279.2	---------
32	Soil	Vanadium	CLP 200.7	---------
32	Soil	Zinc	CLP 200.7	---------
Miscellaneous Organics				
9	Soil	Semivoltiles	SW 3550[6]/ SW 8270	OSVIXS (E300SLLBNAR-[7]/ 010SBNAIXR-)
9	Soil	Pesticides/PCBs	CLP	G120SC (E060SLLC-/G40SC-)
Contaminant List 1A				
24	Soil	Carbonate/ Bicarbonate[4]	Agronomy No. 9/ SM 403	See List 1
24	Soil	pH	SW 9045	See List 1
24	Soil	TOC	Walkley-Black	See List 1
24	Soil	TOX	Dohrmann	I315S (I08SE/I160SR)
24	Soil	Total Phenols	SW 9066	I500S (I11SR-/I275SR-)
Miscellaneous				
8	Soil	Cyanide	CLP	I265SC (I05STE-/I145SC-)

TABLE 4-2
(Continued)

Estimated No. of Samples[1]	Matrix	Analyses	Method References[2]	Test Code[3] (PM/AM)
32	Soil	Selenium	CLP 270.2	---------
32	Soil	Silver	CLP 200.7	---------
32	Soil	Thallium	CLP 279.2	---------
32	Soil	Vanadium	CLP 200.7	---------
32	Soil	Zinc	CLP 200.7	---------
Miscellaneous Organics				
9	Soil	Semivoltiles	SW 3550[6]/ SW 8270	OSVIXS (E300SLLBNAR-[7]/ 010SBNAIXR-)
9	Soil	Pesticides/PCBs	CLP	G120SC (E060SLLC-/G40SC-)
Contaminant List 1A				
24	Soil	Carbonate/ Bicarbonate[4]	Agronomy No. 9/ SM 403	See List 1
24	Soil	pH	SW 9045	See List 1
24	Soil	TOC	Walkley-Black	See List 1
24	Soil	TOX	Dohrmann	I315S (I08SE/I160SR)
24	Soil	Total Phenols	SW 9066	I500S (I11SR-/I275SR-)
Miscellaneous				
8	Soil	Cyanide	CLP	I265SC (I05STE-/I145SC-)

TABLE 4-2
(Continued)

Estimated No. of Samples[1]	Matrix	Analyses	Method References[2]	Test Code[3] (PM/AM)
5	Soil	Gross Alpha/Gross Beta	SW 9310	R03S (00/R100SE)
		RCRA List 2		
9	Water	Volatiles	SW 8240[8]	OVIXW (00/020WIXR-)[7]
9	Water	Antimony	CLP 204.2	ACLPW (00/A02WC[5])
9	Water	Arsenic	CLP 206.2	---------
9	Water	Barium	CLP 200.7	---------
9	Water	Beryllium	CLP 200.7	---------
9	Water	Cadmium	CLP 200.7	---------
9	Water	Chromium	CLP 200.7	---------
9	Water	Cobalt	CLP 200.7	---------
9	Water	Copper	CLP 200.7	---------
9	Water	Lead	CLP 239.2	---------
9	Water	Nickel	CLP 200.7	---------
9	Water	Selenium	CLP 270.2	---------
9	Water	Silver	CLP 200.7	---------
9	Water	Thallium	CLP 279.2	---------
9	Water	Vanadium	CLP 200.7	---------

TABLE 4-2
(Continued)

Estimated No. of Samples[1]	Matrix	Analyses	Method References[2]	Test Code[3] (PM/AM)
5	Soil	Gross Alpha/Gross Beta	SW 9310	R03S (00/R100SE)
		RCRA List 2		
9	Water	Volatiles	SW 8240[6]	OVIXW (00/020WIXR-)[7]
9	Water	Antimony	CLP 204.2	ACLPW (00/A02WC[5])
9	Water	Arsenic	CLP 206.2	---------
9	Water	Barium	CLP 200.7	---------
9	Water	Beryllium	CLP 200.7	---------
9	Water	Cadmium	CLP 200.7	---------
9	Water	Chromium	CLP 200.7	---------
9	Water	Cobalt	CLP 200.7	---------
9	Water	Copper	CLP 200.7	---------
9	Water	Lead	CLP 239.2	---------
9	Water	Nickel	CLP 200.7	---------
9	Water	Selenium	CLP 270.2	---------
9	Water	Silver	CLP 200.7	---------
9	Water	Thallium	CLP 279.2	---------
9	Water	Vanadium	CLP 200.7	---------

TABLE 4-2
(Continued)

Estimated No. of Samples[1]	Matrix	Analyses	Method References[2]	Test Code[3] (PM/AM)
9	Water	Zinc	CLP 200.7	----------
		RCRA List 2 Metals and Mercury		
23	Water	RCRA List 2 - See Above		
23	Water	Mercury	CLP 245.1	See Above
Contaminant Indicators				
29	Water	Alkalinity	SM 403	I023 (00/I112WTS-)
29	Water	Calcium	CLP 200.7	ACLPW (00/A02WC[5])
29	Water	COD	EPA 410.1	I120 (I03/I135WH)
29	Water	Chloride	SW 9252	I130 (00/I138E)
29	Water	TDS	EPA 160.1	I590 (00/I311WE-)
29	Water	Magnesium	CLP 200.7	----------
29	Water	Nitrate	EPA 353.2	I390 (00/I191E)
29	Water	Sodium	CLP 200.7	----------
29	Water	Specific Conductance	EPA 120.1	I700 (00/I350WE)
29	Water	Sulfate	SW 9038	I730 (00/I360WE-)
29	Water	TSS	EPA 160.2	I610 (00/I310WE-)
29	Water	Total Solids	EPA 160.3	I620 (00/I301WE-)

TABLE 4-2
(Continued)

Estimated No. of Samples[1]	Matrix	Analyses	Method References[2]	Test Code[3] (PM/AM)
9	Water	Zinc	CLP 200.7	---------
		RCRA List 2 Metals and Mercury		
23	Water	RCRA List 2 - See Above		
23	Water	Mercury	CLP 245.1	See Above
Contaminant Indicators				
29	Water	Alkalinity	SM 403	I023 (00/I112WTS-)
29	Water	Calcium	CLP 200.7	ACLPW (00/A02WC[5])
29	Water	COD	EPA 410.1	I120 (I03/I135WH)
29	Water	Chloride	SW 9252	I130 (00/I138E)
29	Water	TDS	EPA 160.I	I590 (00/I311WE-)
29	Water	Magnesium	CLP 200.7	---------
29	Water	Nitrate	EPA 353.2	I390 (00/I191E)
29	Water	Sodium	CLP 200.7	---------
29	Water	Specific Conductance	EPA 120.1	I700 (00/I350WE)
29	Water	Sulfate	SW 9038	I730 (00/I360WE-)
29	Water	TSS	EPA 160.2	I610 (00/I310WE-)
29	Water	Total Solids	EPA 160.3	I620 (00/I301WE-)

TABLE 4-2
(Continued)

Estimated No. of Samples[1]	Matrix	Analyses	Method References[2]	Test Code[3] (PM/AM)
29	Water	TOC	EPA 415.1	I100 (00/I131WS)
29	Water	TOX	SW 9020	I315 (I08WR/I160R)
29	Water	Total Phenols	SW 9066	I500 (00/I275E-)
Miscellaneous				
8	Water	Semivolatiles	SW 3510/ SW 8270[5]	OSVIXW (E290WBNAR-[6]/ 010WBNAIXR-)
8	Water	Pesticides/PCBs	CLP	G120WC (E021WC-/G40WC-)
6	Water	Cyanide	CLP	I265WC (I05WTE-/I145WC-)

1 The approximate number of samples includes trip blanks, field blanks, rinsates and field duplicates. These numbers are estimates only and could vary depending on actual site conditions.

2 Subject to the QA/QC and delivery requirements as specified in Sections 4.4 and 4.5. All reference methods for miscellaneous inorganics are approved in 40CFR136, "Guidelines Establishing Test Procedures for the Analysis of Pollutants."

3 The preparation method and the analytical method to be used with each test code are listed in parentheses.

4 Total alkalinity (I023S) and phenolphthalein alkalinity (I020S) are also to be assigned so that carbonate and biocarbonate can be calculated.

TABLE 4-2
(Continued)

Estimated No. of Samples[1]	Matrix	Analyses	Method References[2]	Test Code[3] (PM/AM)
29	Water	TOC	EPA 415.1	I100 (00/I131WS)
29	Water	TOX	SW 9020	I315 (I08WR/I160R)
29	Water	Total Phenols	SW 9066	I500 (00/I275E-)
Miscellaneous				
8	Water	Semivolatiles	SW 3510/ SW 8270[5]	OSVIXW (E290WBNAR-[6]/ 010WBNAIXR-)
8	Water	Pesticides/PCBs	CLP	G120WC (E021WC-/G40WC-)
6	Water	Cyanide	CLP	I265WC (I05WTE-/I145WC-)

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3 The preparation method and the analytical method to be used with each test code are listed in parentheses.

4 Total alkalinity (I023S) and phenolphthalein alkalinity (I020S) are also to be assigned so that carbonate and biocarbonate can be calculated.

TABLE 4-2
(Continued)

5 The package code will be assigned for all metals, except strontium. However, since not all metals on the Target Analyte List are required, the specific analytes will be entered under the subtask, during sample check-in.

6 The list of target compounds is found on Table 4-3.

7 The analytes will be deleted in the LIMS and replaced by "Data Package" during check-in. The GC/MS group will refer to the work plan for the list of target compounds.

8 The list of target compounds is found in Table 4-4.

CLP refers to "Statement of Work for Organics Analysis, Multi-Media, Multi-Concentration," February 1988, revised September 1988, and "Statement of Work for Inorganics Analysis, Multi-Media, Multi-Concentration," SOW 788, July 1988.

EPA refers to "Methods for Chemical Analysis of Water and Wastes," EPA-600/4-79-020, March 1979, revised March 1983.

SM refers to "Standard Methods for the Examination of Water and Wastewater," APHA-AWWA-WPCF, 16th edition.

TABLE 4-2
(Continued)

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6 The list of target compounds is found on Table 4-3.

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SM refers to "Standard Methods for the Examination of Water and Wastewater," APHA-AWWA-WPCF, 16th edition.

TABLE 4-3
TARGET LIST/SEMIVOLATILES

Acenaphthene
Acenaphthylene
Acetophenone
2-Acetylaminofluorene
4-Aminobiphenyl
Aniline
Anthracene
Aramite
Benzo(a)anthracene
Benzo(a)pyrene
Benzo(b)fluoranthene
Benzo(ghi)perylene
Benzo(k)fluoranthene
Benzyl alcohol
bis(2-Chloroethoxyl)methane
bis(2-Chloroethoxyl)ether
bis(2-Chloroisopropyl)ether
bis(2-Ethylhexyl)phthalate
4-Bromophenyl phenyl ether
Butylbenzyl phthalate
4-Chloroaniline
2-Chloronaphthalene
4-Chlorophenyl phenyl ether
Chrysene
Diallate
Dibenzo(a,h)anthracene
Dibenzofuran
1,2-Dibromo-3-chloropropane
1,2-Dichlorobenzene
1,3-Dichlorobenzene
1,4-Dichlorobenzene
3,3'Dichlorobenzidine
Diethyl phthalate
Dimethoate
p(Dimethylamino)azobenzene
3,3'-Dimethylbenzidine
7,12-Dimethylbenzo(a)anthracene
alpha,alpha-Dimethyl phenethylamine
Dimethyl phthalate
Di-n-butyl phthalate
m-Dinitrobenzene
2,4-Dinitrotoluene
2,6-Dinitrotoluene
Di-n-octyl phthalate
Diphenylamine
Ethyl methane sulfonate
Fluoranthene
Fluorene
Hexachlorobenzene
Hexachlorobutadiene
Hexachlorocyclopenadiene
Hexachloroethane
Hexachlorophene
Hexachloropropene
Indeno(1,2,3-cd)pyrene
Isophorone
Isosafrole
Methapyrilene
3-Methylcholanthrene
Methyl methanesulfonate
2-Methylnaphthalene
Naphthalene
1,4-Naphthoquinone
2-Naphthylamine
2-Nitroaniline
3-Nitroaniline
4-Nitroaniline
Nitrobenzene

TABLE 4-3
TARGET LIST/SEMIVOLATILES

Acenaphthene
Acenaphthylene
Acetophenone
2-Acetylaminofluorene
4-Aminobiphenyl
Aniline
Anthracene
Aramite
Benzo(a)anthracene
Benzo(a)pyrene
Benzo(b)fluoranthene
Benzo(ghi)perylene
Benzo(k)fluoranthene
Benzyl alcohol
bis(2-Chloroethoxyl)methane
bis(2-Chloroethoxyl)ether
bis(2-Chloroisopropyl)ether
bis(2-Ethylhexyl)phthalate
4-Bromophenyl phenyl ether
Butylbenzyl phthalate
4-Chloroaniline
2-Chloronaphthalene
4-Chlorophenyl phenyl ether
Chrysene
Diallate
Dibenzo(a,h)anthracene
Dibenzofuran
1,2-Dibromo-3-chloropropane
1,2-Dichlorobenzene
1,3-Dichlorobenzene
1,4-Dichlorobenzene
3,3'Dichlorobenzidine
Diethyl phthalate
Dimethoate
p(Dimethylamino)azobenzene
3,3'-Dimethylbenzidine
7,12-Dimethylbenzo(a)anthracene
alpha,alpha-Dimethyl phenethylamine
Dimethyl phthalate
Di-n-butyl phthalate
m-Dinitrobenzene
2,4-Dinitrotoluene
2,6-Dinitrotoluene
Di-n-octyl phthalate
Diphenylamine
Ethyl methane sulfonate
Fluoranthene
Fluorene
Hexachlorobenzene
Hexachlorobutadiene
Hexachlorocyclopenadiene
Hexachloroethane
Hexachlorophene
Hexachloropropene
Indeno(1,2,3-cd)pyrene
Isophorone
Isosafrole
Methapyrilene
3-Methylcholanthrene
Methyl methanesulfonate
2-Methylnaphthalene
Naphthalene
1,4-Naphthoquinone
2-Naphthylamine
2-Nitroaniline
3-Nitroaniline
4-Nitroaniline
Nitrobenzene

TABLE 4-3
TARGET LIST/SEMIVOLATILES
(Continued)

5-Nitro-o-toluidine
4-Nitroquinoline 1-oxide
N-Nitrosodiethylamine
N-Nitrosodimethylamine
N-Nitrosodi-n-butylamine
N-Nitrosodi-n-propylamine
N-Nitrosodiphenylamine
N-Nitrosomethylethylamine
N-Nitrosomorpholine
N-Nitrosopiperidine
N-Nitrosopyrrolidine
Pentachlorobenzene
Pentachloronitrobenzene
Phenacetin
Phenanthrene
p-Phenylenediamine
2-Picoline
Pronamide
Pyrene
Pyridine
Safrole
1,2,4,5-Tetrachlorobenzene
1,2,4-Trichlorobenzene
0,0,0-Triethyl phorothioate
sym-Triitrobenzene
o-Toluidine

TABLE 4-3
TARGET LIST/SEMIVOLATILES
(Continued)

5-Nitro-o-toluidine
4-Nitroquinoline 1-oxide
N-Nitrosodiethylamine
N-Nitrosodimethylamine
N-Nitrosodi-n-butylamine
N-Nitrosodi-n-propylamine
N-Nitrosodiphenylamine
N-Nitrosomethylethylamine
N-Nitrosomorpholine
N-Nitrosopiperidine
N-Nitrosopyrrolidine
Pentachlorobenzene
Pentachloronitrobenzene
Phenacetin
Phenanthrene
p-Phenylenediamine
2-Picoline
Pronamide
Pyrene
Pyridine
Safrole
1,2,4,5-Tetrachlorobenzene
1,2,4-Trichlorobenzene
0,0,0-Triethyl phorothioate
sym-Triitrobenzene
o-Toluidine

TABLE 4-4
TARGET LIST/VOLATILE ORGANICS

Acetone
Acrolein
Acrylonitrile
Allyl chloride
Benzene
Bromodichloromethane
Bromoform, Tribromomethane
Carbon disulfide
Carbon tetrachloride
Chlorobenzene
Chloroethane, Ethyl chloride
Chloroform
Chloroprene
Dibromochloromethane, Chlorodibromomethane
1,2-Dibromo-3-chloropropane, DBCP
1,2-Dibromoethane, Ethylene dibromide
trans-1,4-Dichloro-2-butene
Dichlorodifluoromethane
1,1-Dichloroethane
1,2-Dichloroethane, Ethylene dichloride
1,1-Dichloroethylene, Vinylidene chloride
trans-1,2-Dichloroethylene
1,2-Dichloropropane
cis-1,3-Dichloropropene
trans-1,3-Dichloropropene
Ethylbenzene
Ethyl methacrylate
2-Hexanone
Methacrylonitrile
Methyl bromide, Bromomethane
Methyl chloride, Chloromethane
Methylene bromide, Dibromomethane
Methylene chloride, Dichloromethane
Methyl ethyl ketone, MEK
Methyl iodide, Iodomethane
Methyl methacrylate
4-Methyl-2-pentanone, Methyl isobutyl ketone
Pentachloroethane
Propionitrile, Ethyl cyanide
Styrene
1,1,1,2-Tetrachloroethane
1,1,2,2-Tetrachloroethane
Tetrachloroethylene, Perchloroethylene, Tetrachloroethene
Toluene
1,1,1-Trichloroethane, Methyl chloroform
1,1,2-Trichloroethane
Trichloroethylene, Trichloroethene
Trichlorofluoromethane
1,2,3-Trichloropropane
Vinyl Acetate
Vinyl Chloride
Xylene (total)

TABLE 4-4
TARGET LIST/VOLATILE ORGANICS

Acetone
Acrolein
Acrylonitrile
Allyl chloride
Benzene
Bromodichloromethane
Bromoform, Tribromomethane
Carbon disulfide
Carbon tetrachloride
Chlorobenzene
Chloroethane, Ethyl chloride
Chloroform
Chloroprene
Dibromochloromethane, Chlorodibromomethane
1,2-Dibromo-3-chloropropane, DBCP
1,2-Dibromoethane, Ethylene dibromide
trans-1,4-Dichloro-2-butene
Dichlorodifluoromethane
1,1-Dichloroethane
1,2-Dichloroethane, Ethylene dichloride
1,1-Dichloroethylene, Vinylidene chloride
trans-1,2-Dichloroethylene
1,2-Dichloropropane
cis-1,3-Dichloropropene
trans-1,3-Dichloropropene
Ethylbenzene
Ethyl methacrylate
2-Hexanone
Methacrylonitrile
Methyl bromide, Bromomethane
Methyl chloride, Chloromethane
Methylene bromide, Dibromomethane
Methylene chloride, Dichloromethane
Methyl ethyl ketone, MEK
Methyl iodide, Iodomethane
Methyl methacrylate
4-Methyl-2-pentanone, Methyl isobutyl ketone
Pentachloroethane
Propionitrile, Ethyl cyanide
Styrene
1,1,1,2-Tetrachloroethane
1,1,2,2-Tetrachloroethane
Tetrachloroethylene, Perchloroethylene, Tetrachloroethene
Toluene
1,1,1-Trichloroethane, Methyl chloroform
1,1,2-Trichloroethane
Trichloroethylene, Trichloroethene
Trichlorofluoromethane
1,2,3-Trichloropropane
Vinyl Acetate
Vinyl Chloride
Xylene (total)

4.4 Quality Control Requirements

4.4.1 Metals, Cyanide, and Miscellaneous Inorganics

The quality control requirements for metals, cyanide, and miscellaneous inorganics are found in Section 11.0 of LSG's quality assurance project plan for HAZWRAP (revised 6/1/91). The requirements for this project are equivalent to HAZWRAP Level D for metals and cyanide and Level C for miscellaneous inorganics. For metals, however, the list of required analytes does not include the complete TAL list, but does include strontium and boron on some of the soil samples. The matrix spike should contain strontium and boron at LSG's routine spiking level, and the acceptance criteria for percent recovery and precision on strontium and boron will be as described in the "General Quality Assurance Plan."

4.4.2 Pesticides/PCBs

The quality control requirements will follow HAZWRAP Level D. These requirements are defined in Section 11.0 of LSG's quality assurance plan for HAZWRAP (revised 6/1/91). HAZWRAP Level D is comparable to the CLP protocol with the adidtional requirement of a blank spike for each batch (see HAZWRAP QA plan, Section 11.0, page 46 of 100).

4.4.3 Volatiles and Semivolatiles by GC/MS

The quality control requirements for volatiles and semivolatiles by GC/MS are defined in Table 4-5. If standards are not available for calibration of any of the target compounds, the following corrective actions will be required:

- Notify the LSG project manager.
- Analyze the affected compounds as TICs.

4.4 Quality Control Requirements

4.4.1 Metals, Cyanide, and Miscellaneous Inorganics

The quality control requirements for metals, cyanide, and miscellaneous inorganics are found in Section 11.0 of LSG's quality assurance project plan for HAZWRAP (revised 6/1/91). The requirements for this project are equivalent to HAZWRAP Level D for metals and cyanide and Level C for miscellaneous inorganics. For metals, however, the list of required analytes does not include the complete TAL list, but does include strontium and boron on some of the soil samples. The matrix spike should contain strontium and boron at LSG's routine spiking level, and the acceptance criteria for percent recovery and precision on strontium and boron will be as described in the "General Quality Assurance Plan."

4.4.2 Pesticides/PCBs

The quality control requirements will follow HAZWRAP Level D. These requirements are defined in Section 11.0 of LSG's quality assurance plan for HAZWRAP (revised 6/1/91). HAZWRAP Level D is comparable to the CLP protocol with the adidtional requirement of a blank spike for each batch (see HAZWRAP QA plan, Section 11.0, page 46 of 100).

4.4.3 Volatiles and Semivolatiles by GC/MS

The quality control requirements for volatiles and semivolatiles by GC/MS are defined in Table 4-5. If standards are not available for calibration of any of the target compounds, the following corrective actions will be required:

- Notify the LSG project manager.
- Analyze the affected compounds as TICs.

4.4.4 Radiochemistry (Gross Alpha/Gross Beta)

The quality control requirements include the following with each batch (there will be only one batch):

- Method blank
- Blank spike
- Matrix spike/matrix spike duplicate

The acceptance criteria will be as specified in the "General Quality Assurance Plan."

4.5 Deliverables

The required deliverables are defined in Section 14.0 of the laboratory QA plan for HAZWRAP. All deliverables will follow the requirements for Level D protocol for organics, metals, and cyanide and Level C protocol for all miscellaneous parameters. For radiochemistry, the information provided for miscellaneous inorganics will apply. Data packages will be due 28 days from receipt of the last sample in a Sample Delivery Group.

4.4.4 Radiochemistry (Gross Alpha/Gross Beta)

The quality control requirements include the following with each batch (there will be only one batch):

- Method blank
- Blank spike
- Matrix spike/matrix spike duplicate

The acceptance criteria will be as specified in the "General Quality Assurance Plan."

4.5 Deliverables

The required deliverables are defined in Section 14.0 of the laboratory QA plan for HAZWRAP. All deliverables will follow the requirements for Level D protocol for organics, metals, and cyanide and Level C protocol for all miscellaneous parameters. For radiochemistry, the information provided for miscellaneous inorganics will apply. Data packages will be due 28 days from receipt of the last sample in a Sample Delivery Group.

TABLE 4-5
QUALITY CONTROL REQUIREMENTS
VOLATILES AND SEMIVOLATILES BY GC/MS

Parameter	Requirement	Frequency	Acceptance Criteria	Corrective Action
Volatiles and Semivolatiles by GC/MS (Methods 8240 and 8270)	Instrument tune	Prior to calibration and sample analysis and every 12 hours of operation thereafter	Refer to SOW 288 (USEPA Contract Laboratory Program)	Repeat tune
	Initial calibration (5-point) with all target analytes	Before sample analysis and whenever continuing calibration criteria are not met	Relative response factor criteria on Tables 4-6 and 4-7 must be met	Repeat initial calibration
	Continuing calibration (1-point) with all target analytes	At the start of each 12-hour period of analysis following a successful tune	Relative response factor criteria on Tables 4-6 and 4-7 must be met	Repeat initial (5-point) calibration
	Method blank	Prepared and analyzed with each set of 20 samples of similar matrix (water, low-level soil, medium-level soil) or each time samples are extracted	Common solvents and common phthalates must not be present at level >5 times the required quantitation limit; other target compounds must not be present at levels above the required quantitation limits	Samples containing any target compounds found in a nonconforming blank must be re-extracted and/or reanalyzed
	Surrogate spikes	Must be added to all samples, method blanks, and duplicate matrix spikes at the start of sample preparation	Refer to section 11.0, page 10 of the HAZWRAP QA plan	Samples with nonconforming surrogate recoveries must be re-extracted and/or reanalyzed

TABLE 4-5
QUALITY CONTROL REQUIREMENTS
VOLATILES AND SEMIVOLATILES BY GC/MS

Parameter	Requirement	Frequency	Acceptance Criteria	Corrective Action
Volatiles and Semivolatiles by GC/MS (Methods 8240 and 8270)	Instrument tune	Prior to calibration and sample analysis and every 12 hours of operation thereafter	Refer to SOW 288 (USEPA Contract Laboratory Program)	Repeat tune
	Initial calibration (5-point) with all target analytes	Before sample analysis and whenever continuing calibration criteria are not met	Relative response factor criteria on Tables 4-6 and 4-7 must be met	Repeat initial calibration
	Continuing calibration (1-point) with all target analytes	At the start of each 12-hour period of analysis following a successful tune	Relative response factor criteria on Tables 4-6 and 4-7 must be met	Repeat initial (5-point) calibration
	Method blank	Prepared and analyzed with each set of 20 samples of similar matrix (water, low-level soil, medium-level soil) or each time samples are extracted	Common solvents and common phthalates must not be present at level >5 times the required quantitation limit; other target compounds must not be present at levels above the required quantitation limits	Samples containing any target compounds found in a nonconforming blank must be re-extracted and/or reanalyzed
	Surrogate spikes	Must be added to all samples, method blanks, and duplicate matrix spikes at the start of sample preparation	Refer to section 11.0, page 10 of the HAZWRAP QA plan	Samples with nonconforming surrogate recoveries must be re-extracted and/or reanalyzed

TABLE 4-5
QUALITY CONTROL REQUIREMENTS
VOLATILES AND SEMIVOLATILES BY GC/MS
(Continued)

Parameter	Requirement	Frequency	Acceptance Criteria	Corrective Action
Volatiles and Semivolatiles by GC/MS (Continued)	Matrix spike/matrix spike duplicate (MS/MSD)	Prepared and analyzed at a minimum frequency of one set for each group of 20 samples of similar matrix (water, low-level soil, medium-level soil)	Advisory limits for percent recovery are specified on Table 11-3 of the HAZWRAP QA plan	Flag noncon-forming MS/MSD

TABLE 4-5
QUALITY CONTROL REQUIREMENTS
VOLATILES AND SEMIVOLATILES BY GC/MS
(Continued)

Parameter	Requirement	Frequency	Acceptance Criteria	Corrective Action
Volatiles and Semivolatiles by GC/MS (Continued)	Matrix spike/matrix spike duplicate (MS/MSD)	Prepared and analyzed at a minimum frequency of one set for each group of 20 samples of similar matrix (water, low-level soil, medium-level soil)	Advisory limits for percent recovery are specified on Table 11-3 of the HAZWRAP QA plan	Flag nonconforming MS/MSD

TABLE 4-6
RELATIVE RESPONSE FACTOR CRITERIA FOR INITIAL AND CONTINUING CALIBRATION OF VOLATILE ORGANIC COMPOUNDS

VOLATILE COMPOUND	MINIMUM RRF	MAXIMUM %RSD	MAXIMUM %DIFF
Bromomethane	0.100	20.5	25.0
Vinyl chloride	0.100	20.5	25.0
1,1-Dichloroethene	0.100	20.5	25.0
1,1-Dichloroethane	0.200	20.5	25.0
Chloroform	0.200	20.5	25.0
1,2-Dichloroethane	0.100	20.5	25.0
1,1,1-Trichloroethane	0.100	20.5	25.0
Carbon tetrachloride	0.100	20.5	25.0
Bromodichloromethane	0.200	20.5	25.0
cis-1,3-Dichloropropene	0.200	20.5	25.0
Trichloroethene	0.300	20.5	25.0
Dibromochloromethane	0.100	20.5	25.0
1,1,2-Trichloroethane	0.100	20.5	25.0
Benzene	0.500	20.5	25.0
trans-1,3-Dichloropropene	0.100	20.5	25.0
Bromoform	0.100	20.5	25.0
Tetrachloroethene	0.200	20.5	25.0
1,1,2,2-Tetrachloroethane	0.500	02.5	25.0
Toluene	0.400	20.5	25.0

TABLE 4-6
RELATIVE RESPONSE FACTOR CRITERIA FOR INITIAL AND CONTINUING CALIBRATION OF VOLATILE ORGANIC COMPOUNDS

VOLATILE COMPOUND	MINIMUM RRF	MAXIMUM %RSD	MAXIMUM %DIFF
Bromomethane	0.100	20.5	25.0
Vinyl chloride	0.100	20.5	25.0
1,1-Dichloroethene	0.100	20.5	25.0
1,1-Dichloroethane	0.200	20.5	25.0
Chloroform	0.200	20.5	25.0
1,2-Dichloroethane	0.100	20.5	25.0
1,1,1-Trichloroethane	0.100	20.5	25.0
Carbon tetrachloride	0.100	20.5	25.0
Bromodichloromethane	0.200	20.5	25.0
cis-1,3-Dichloropropene	0.200	20.5	25.0
Trichloroethene	0.300	20.5	25.0
Dibromochloromethane	0.100	20.5	25.0
1,1,2-Trichloroethane	0.100	20.5	25.0
Benzene	0.500	20.5	25.0
trans-1,3-Dichloropropene	0.100	20.5	25.0
Bromoform	0.100	20.5	25.0
Tetrachloroethene	0.200	20.5	25.0
1,1,2,2-Tetrachloroethane	0.500	02.5	25.0
Toluene	0.400	20.5	25.0

TABLE 4-6
RELATIVE RESPONSE FACTOR CRITERIA FOR INITIAL AND CONTINUING CALIBRATION OF VOLATILE ORGANIC COMPOUNDS
(Continued)

VOLATILE COMPOUND	MINIMUM RRF	MAXIMUM %RSD	MAXIMUM %DIFF
Chlorobenzene	0.500	20.5	25.0
Ethylbenzene	0.100	20.5	25.0
Styrene	0.300	20.5	25.0
Xylenes (total)	0.300	20.5	25.0
Bromofluorobenzene	0.200	20.5	25.0

TABLE 4-6
RELATIVE RESPONSE FACTOR CRITERIA FOR INITIAL AND CONTINUING CALIBRATION OF VOLATILE ORGANIC COMPOUNDS
(Continued)

VOLATILE COMPOUND	MINIMUM RRF	MAXIMUM %RSD	MAXIMUM %DIFF
Chlorobenzene	0.500	20.5	25.0
Ethylbenzene	0.100	20.5	25.0
Styrene	0.300	20.5	25.0
Xylenes (total)	0.300	20.5	25.0
Bromofluorobenzene	0.200	20.5	25.0

TABLE 4-7
RELATIVE RESPONSE FACTOR CRITERIA FOR INITIAL AND CONTINUING CALIBRATION OF SEMIVOLATILE TARGET COMPOUNDS

SEMIVOLATILE COMPOUND	MINIMUM RRF	MAXIMUM %RSD	MAXIMUM %DIFF
Phenol	0.800	20.5	25.0
bis(2-Chloroethyl)ether	0.700	20.5	25.0
2-Chlorophenol	0.800	20.5	25.0
1,3-Dichlorobenzene	0.600	20.5	25.0
1,4-Dichlorobenzene	0.500	20.5	25.0
1,2-Dichlorobenzene	0.400	20.5	25.0
2-Methylphenol	0.700	20.5	25.0
4-Methylphenol	0.600	20.5	25.0
N-Nitroso-Di-propylamine	0.500	20.5	25.0
Hexachloroethane	0.300	20.5	25.0
Nitrobenzene	0.200	20.5	25.0
Isophorone	0.400	20.5	25.0
2-Nitrophenol	0.100	20.5	25.0
2,4-Dimethylphenol	0.200	20.5	25.0
bis(2-Chloroethoxy)methane	0.300	20.5	25.0
2,4-Dichlorophenol	0.200	20.5	25.0
1,2,4-Trichlorobenzene	0.200	20.5	25.0
Naphthalene	0.700	20.5	25.0
4-Chloro-3-methylphenol	0.200	20.5	25.0

TABLE 4-7
RELATIVE RESPONSE FACTOR CRITERIA FOR INITIAL AND CONTINUING CALIBRATION OF SEMIVOLATILE TARGET COMPOUNDS

SEMIVOLATILE COMPOUND	MINIMUM RRF	MAXIMUM %RSD	MAXIMUM %DIFF
Phenol	0.800	20.5	25.0
bis(2-Chloroethyl)ether	0.700	20.5	25.0
2-Chlorophenol	0.800	20.5	25.0
1,3-Dichlorobenzene	0.600	20.5	25.0
1,4-Dichlorobenzene	0.500	20.5	25.0
1,2-Dichlorobenzene	0.400	20.5	25.0
2-Methylphenol	0.700	20.5	25.0
4-Methylphenol	0.600	20.5	25.0
N-Nitroso-Di-propylamine	0.500	20.5	25.0
Hexachloroethane	0.300	20.5	25.0
Nitrobenzene	0.200	20.5	25.0
Isophorone	0.400	20.5	25.0
2-Nitrophenol	0.100	20.5	25.0
2,4-Dimethylphenol	0.200	20.5	25.0
bis(2-Chloroethoxy)methane	0.300	20.5	25.0
2,4-Dichlorophenol	0.200	20.5	25.0
1,2,4-Trichlorobenzene	0.200	20.5	25.0
Naphthalene	0.700	20.5	25.0
4-Chloro-3-methylphenol	0.200	20.5	25.0

TABLE 4-7
RELATIVE RESPONSE FACTOR CRITERIA FOR INITIAL AND CONTINUING CALIBRATION OF SEMIVOLATILE TARGET COMPOUNDS
(Continued)

SEMIVOLATILE COMPOUND	MINIMUM RRF	MAXIMUM %RSD	MAXIMUM %DIFF
2-Methylnaphthalene	0.400	20.5	25.0
2,4,6-Trichlorophenol	0.200	20.5	25.0
2,4,5-Trichlorophenol	0.200	20.5	25.0
2-Chloronaphthalene	0.800	20.5	25.0
Acenaphthylene	1.300	20.5	25.0
2,6-Dinitrotoluene	0.200	20.5	25.0
Acenaphthene	0.800	20.5	25.0
Dibenzofuran	0.800	20.5	25.0
2,4-Dinitrotoluene	0.200	20.5	25.0
4-Chlorophenyl-phenylether	0.400	20.5	25.0
Fluorene	0.900	20.5	25.0
4-Bromophenyl-phenylether	0.100	20.5	25.0
Hexachlorobenzene	0.100	20.5	25.0
Pentachlorophenol	0.050	20.5	25.0
Phenanthrene	0.700	20.5	25.0
Anthracene	0.700	20.5	25.0
Fluoranthene	0.600	20.5	25.0
Pyrene	0.600	20.5	25.0
Benzo(a)anthracene	0.800	20.5	25.0
Chrysene	0.700	20.5	25.0

TABLE 4-7
RELATIVE RESPONSE FACTOR CRITERIA FOR INITIAL AND CONTINUING CALIBRATION OF SEMIVOLATILE TARGET COMPOUNDS
(Continued)

SEMIVOLATILE COMPOUND	MINIMUM RRF	MAXIMUM %RSD	MAXIMUM %DIFF
2-Methylnaphthalene	0.400	20.5	25.0
2,4,6-Trichlorophenol	0.200	20.5	25.0
2,4,5-Trichlorophenol	0.200	20.5	25.0
2-Chloronaphthalene	0.800	20.5	25.0
Acenaphthylene	1.300	20.5	25.0
2,6-Dinitrotoluene	0.200	20.5	25.0
Acenaphthene	0.800	20.5	25.0
Dibenzofuran	0.800	20.5	25.0
2,4-Dinitrotoluene	0.200	20.5	25.0
4-Chlorophenyl-phenylether	0.400	20.5	25.0
Fluorene	0.900	20.5	25.0
4-Bromophenyl-phenylether	0.100	20.5	25.0
Hexachlorobenzene	0.100	20.5	25.0
Pentachlorophenol	0.050	20.5	25.0
Phenanthrene	0.700	20.5	25.0
Anthracene	0.700	20.5	25.0
Fluoranthene	0.600	20.5	25.0
Pyrene	0.600	20.5	25.0
Benzo(a)anthracene	0.800	20.5	25.0
Chrysene	0.700	20.5	25.0

TABLE 4-7
RELATIVE RESPONSE FACTOR CRITERIA FOR INITIAL AND CONTINUING CALIBRATION OF SEMIVOLATILE TARGET COMPOUNDS
(Continued)

SEMIVOLATILE COMPOUND	MINIMUM RRF	MAXIMUM %RSD	MAXIMUM %DIFF
Benzo(b)fluoranthene	0.700	20.5	25.0
Benzo(k)fluoranthene	0.700	20.5	25.0
Benzo(a)pyrene	0.700	20.5	25.0
Indeno(1,2,3-cd)pyrene	0.500	20.5	25.0
Dibenzo(a,h)anthracene	0.400	20.5	25.0
Benzo(g,h,i)perylene	0.500	20.5	25.0
Nitrobenzene-d_5	0.200	20.5	25.0
2-Fluorobiphenyl	0.700	20.5	25.0
Terphenyl-d_{14}	0.500	20.5	25.0
Phenol-d_5	0.800	20.5	25.0
2-Fluorophenol	0.600	20.5	25.0
2-Chlorophenol-d_4	0.800	20.5	25.0
1,2-Dichlorobenzene-d_4	0.400	20.5	25.0

TABLE 4-7
RELATIVE RESPONSE FACTOR CRITERIA FOR INITIAL AND CONTINUING CALIBRATION OF SEMIVOLATILE TARGET COMPOUNDS
(Continued)

SEMIVOLATILE COMPOUND	MINIMUM RRF	MAXIMUM %RSD	MAXIMUM %DIFF
Benzo(b)fluoranthene	0.700	20.5	25.0
Benzo(k)fluoranthene	0.700	20.5	25.0
Benzo(a)pyrene	0.700	20.5	25.0
Indeno(1,2,3-cd)pyrene	0.500	20.5	25.0
Dibenzo(a,h)anthracene	0.400	20.5	25.0
Benzo(g,h,i)perylene	0.500	20.5	25.0
Nitrobenzene-d_5	0.200	20.5	25.0
2-Fluorobiphenyl	0.700	20.5	25.0
Terphenyl-d_{14}	0.500	20.5	25.0
Phenol-d_5	0.800	20.5	25.0
2-Fluorophenol	0.600	20.5	25.0
2-Chlorophenol-d_4	0.800	20.5	25.0
1,2-Dichlorobenzene-d_4	0.400	20.5	25.0

4.6 Laboratory Sample Tracking

The laboratory sample tracking procedure is described in Section 6.0 of LSG's quality assurance plan for HAZWRAP. This procedure incorporates many of the requirements in Section QA-7 of LSG's "General Quality Assurance Plan." Specific protocols from QA-7 applicable to this project are:

4.6.1 Receipt of samples by CLP protocol (Section 3.2).

4.6.2 Direct tracking (Section 3.15.2).

4.7 Applicable Regulations and Codes

4.7.1 Comprehensive Environmental Response Compensation, and Liability Act (CERCLA)/USEPA Contract Laboratory Program (CLP) Statements of Work as defined in Section 4.3 of this work plan.

4.7.2 40CFR136, "Guidelines Establishing Test Procedures for the Analysis of Pollutants" - applicable to all holding times for all parameters and method references for miscellaneous inorganics parameters.

4.7.3 40CFR260-270, RCRA Guidelines for Identification and Disposal of Hazardous Wastes.

4.8 Applicable LSG Procedures and Plans

4.8.1 "Laboratory Quality Assurance Plan in Support of the DOE's Hazardous Waste Remedial Actions Program, Requirements for Quality Control of Analytical Data," Revision 4, June 1, 1991.

4.8.2 LSG's "General Quality Assurance Plan."

4.9 Training Requirements

Project-specific training will be conducted according to the procedures described in QA-17.

4.6 Laboratory Sample Tracking

The laboratory sample tracking procedure is described in Section 6.0 of LSG's quality assurance plan for HAZWRAP. This procedure incorporates many of the requirements in Section QA-7 of LSG's "General Quality Assurance Plan." Specific protocols from QA-7 applicable to this project are:

4.6.1 Receipt of samples by CLP protocol (Section 3.2).

4.6.2 Direct tracking (Section 3.15.2).

4.7 Applicable Regulations and Codes

4.7.1 Comprehensive Environmental Response Compensation, and Liability Act (CERCLA)/USEPA Contract Laboratory Program (CLP) Statements of Work as defined in Section 4.3 of this work plan.

4.7.2 40CFR136, "Guidelines Establishing Test Procedures for the Analysis of Pollutants" - applicable to all holding times for all parameters and method references for miscellaneous inorganics parameters.

4.7.3 40CFR260-270, RCRA Guidelines for Identification and Disposal of Hazardous Wastes.

4.8 Applicable LSG Procedures and Plans

4.8.1 "Laboratory Quality Assurance Plan in Support of the DOE's Hazardous Waste Remedial Actions Program, Requirements for Quality Control of Analytical Data," Revision 4, June 1, 1991.

4.8.2 LSG's "General Quality Assurance Plan."

4.9 Training Requirements

Project-specific training will be conducted according to the procedures described in QA-17.

4.9.1 The LSG project manager will provide training to the LSG group leaders and assistant group leaders.

4.9.2 The LSG group leaders will ensure that LSG staff receive project-specific training.

4.10 Sample Disposal

All samples and extracts can be discarded 60 days after the final mail date for the data packages.

5.0 PROJECT RECORDS

LSG's routine procedures for generation, storage, retrieval, and retention of project records will apply to this project.

6.0 PROJECT CHARGES

Refer to Attachment A for unit rates for sample analyses. All reanalyses and/or dilutions will be billable if the reanalysis demonstrates sample matrix effects on the first run, and the first run was completed within holding times. All charges must be billed under Project/PMS No. 3K92-BC00.

The address to appear on all reports and invoices is:

Kelly Air Force Base - c/o NUS Corporation
800 Oak Ridge Turnpike
Oak Ridge, Tennessee 37830
Attention: Philip Ottinger

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Attention: Philip Ottinger

7.0 WORK PLAN DISTRIBUTION

With Attachment A

1 M. Bartolovic
1 M. Booska
1 J. Bright
1 T. Carnegie
1 D. Drzik
1 P. Frank
1 P. Lynch
1 L. Manning
1 D. Meyer
1 P. Ottinger
1 S. Parrish/Client File
1 J. Simanic

Without Attachment A

2 R. Capp/GC Lab File
2 T. Colbert/Inorganic Lab
1 D. Del Prete
4 C. Kieda/GC/MS Lab/GC/MS-Aquis/ GC/MS Red/Organic Extraction
3 C. Kovach/Metals Lab/Metals Prep Lab
1 R. Lynch
1 P. Papenmeier
1 J. Samchuck
1 P. Saracena
1 E. Scoullos
1 M. Rieseck
1 R. Whartenby
1 S. Whitney

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Without Attachment A

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1 R. Whartenby
1 S. Whitney

DESCRIPTION OF LIMS REPORTS

DESCRIPTION OF LIMS REPORTS

LABORATORY ANALYSIS REPORTS AND SUPPLEMENTAL QUALITY CONTROL REPORTS

SECTION	DESCRIPTION/PURPOSE
A	Sample results for assigned parameters.
B	Dates of sample preparation and analysis, batch numbers, and test codes plus designations of method references. The batch number is used to correlate each sample with a method blank, laboratory control standard, duplicate, matrix spike, etc. (see Sections C-F) to evaluate precision, accuracy, and blank data against the sample result. A batch includes all samples prepared and analyzed together. The test code is a unique code used to assign a specific test to the sample. The test code with the corresponding test name (alkalinity, pH, etc.) is found in Section A of the reports, and the test code, without the test name is listed in Section B. Using this information, holding times can be verified by matching test codes to dates of sample preparation and/or analysis.
C	Surrogate recoveries for organics on all samples. Section C is not included in the package, since Form II's in the CLP package provide the required information.
D	Laboratory control sample (LCS) recoveries. These recoveries can be correlated with specific samples for each analyte by matching the batch numbers from this section with the batch numbers in Section B.
E	Method blank results. Results for the analysis of method blanks associated with the samples. The batch number for each parameter is used to correlate the blank result with each sample result.
F	Duplicate and matrix spike data for each batch. Included in the report are the duplicate results with the relative percent difference (RPD) and the matrix spike results with the percent recovery.

LABORATORY ANALYSIS REPORTS AND SUPPLEMENTAL QUALITY CONTROL REPORTS

SECTION	DESCRIPTION/PURPOSE
A	Sample results for assigned parameters.
B	Dates of sample preparation and analysis, batch numbers, and test codes plus designations of method references. The batch number is used to correlate each sample with a method blank, laboratory control standard, duplicate, matrix spike, etc. (see Sections C-F) to evaluate precision, accuracy, and blank data against the sample result. A batch includes all samples prepared and analyzed together. The test code is a unique code used to assign a specific test to the sample. The test code with the corresponding test name (alkalinity, pH, etc.) is found in Section A of the reports, and the test code, without the test name is listed in Section B. Using this information, holding times can be verified by matching test codes to dates of sample preparation and/or analysis.
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E	Method blank results. Results for the analysis of method blanks associated with the samples. The batch number for each parameter is used to correlate the blank result with each sample result.
F	Duplicate and matrix spike data for each batch. Included in the report are the duplicate results with the relative percent difference (RPD) and the matrix spike results with the percent recovery.

PROJECT WORK PLAN

FOR

HAZWRAP CONTRACT

ANALYTICAL SUPPORT FOR
SITE INVESTIGATION AT
TINKER AIR FORCE BASE
PROJECT NO. 3K92-BC00

HALLIBURTON NUS ENVIRONMENTAL CORPORATION
LABORATORY SERVICES GROUP

JANUARY 28,1992

PROJECT WORK PLAN

FOR

HAZWRAP CONTRACT

ANALYTICAL SUPPORT FOR
SITE INVESTIGATION AT
TINKER AIR FORCE BASE
PROJECT NO. 3K92-BC00

HALLIBURTON NUS ENVIRONMENTAL CORPORATION
LABORATORY SERVICES GROUP

JANUARY 28,1992

PROJECT SUMMARY

Project Name: Analytical Support for Tinker Air Force Base Project

Project No.: PPP-01/9
LSG Project Mgr.: Pat Lync

Client: HAZWRAP

Project QAP: "Requirements for Quality Control of Analtyical Data," HAZWRAP, 6/1/91

Description: Analysis of soil and water samples for VOAs, BNAs, metals, miscellaneous inorganics pesticides/PCBs, herbicides, and gross alpha/ gross beta plus grain size.

Services Requested: (Check off)

x	Sample Bottles	x	Geotechnical Analysis
	Sampling		Industrial Hygiene
	Bioassay Analysis	x	Inorganic Chemistry Analysis
x	GC Analysis	x	Metals Analysis
x	GC/MS Analysis	x	Radiochemistry Analysis

Key Requirements: (Check off)

Radioactivity	yes	x no	
Sample bottle cleaning:	as in GQAP	x certified, pre-cleaned	
Sample preservation:	x as in GQAP	Other (see page)	
Laboratory tracking:	indirect	x direct (Lab tracking form)	
Quality Control:	as in GQAP	CLP	x Other (HAZWRA Level C
Limits of Detection:	unspecified	x specified	
Deliverables:	LIMS analysis report	LIMS QA report	x Other (See page 16
Sample disposition:	return to client	hold 30 days, dispose	x Other (See page 17
Records retained:	x as in GQAP	other (See page)	
Invoicing:	summary	monthly	Other (See page 17
Report solids as:	wet weight (GQAP)	x dry weight	

Approvals:

[signature]	1/31/92	Patricia L. Lynch	1/30/92	[signature] for LAM	1-31-92
LSG Lab Manager	Date	LSG Project Manager	Date	LSG Quality Assurance Coordinator	Date

PROJECT SUMMARY

Project Name: Analytical Support for Tinker Air Force Base Project

Project No.: PPP-01/92
LSG Project Mgr.: Pat Lynch

Client: HAZWRAP

Project QAP: "Requirements for Quality Control of Analtyical Data," HAZWRAP, 6/1/91

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Services Requested: (Check off)

- x Sample Bottles
- ___ Sampling
- ___ Bioassay Analysis
- x GC Analysis
- x GC/MS Analysis
- x Geotechnical Analysis
- ___ Industrial Hygiene
- x Inorganic Chemistry Analysis
- x Metals Analysis
- x Radiochemistry Analysis

Key Requirements: (Check off)

Radioactivity	___ yes	x no	
Sample bottle cleaning:	___ as in GQAP	x certified, pre-cleaned	
Sample preservation:	x as in GQAP	___ Other (see page)	
Laboratory tracking:	___ indirect	x direct (Lab tracking form)	
Quality Control:	___ as in GQAP	___ CLP	x Other (HAZWRAI Level C
Limits of Detection:	___ unspecified	x specified	
Deliverables:	___ LIMS analysis report	___ LIMS QA report	x Other (See page 16
Sample disposition:	___ return to client	___ hold 30 days, dispose	x Other (See page 17
Records retained:	x as in GQAP	___ other (See page)	
Invoicing:	___ summary	___ monthly	___ Other (See page 17
Report solids as:	___ wet weight (GQAP)	x dry weight	

Approvals:

[signature]	1/31/92	Patricia L. Lynch	1/30/92	[signature] for LAM	1-31-92
LSG Lab Manager	Date	LSG Project Manager	Date	LSG Quality Assurance Coordinator	Date

HAZWRAP CONTRACT
ANALYTICAL SUPPORT FOR
SITE INVESTIGATION AT
TINKER AIR FORCE BASE
PROJECT NO. 3K92-BC00

1.0 PROJECT OBJECTIVES

As part of the Hazardous Waste Remedial Actions Program (HAZWRAP), HALLIBURTON NUS Corporation's Environmental Technology Group (ETG) is under contract with Martin Marietta Energy Systems, Inc. (MMES) to provide a wide variety of engineering and environmental support services for numerous Air Force installations in the South Central region of the United States. HAZWRAP, a branch of MMES, provides support to the U.S. Department of Energy (DOE) and other federal agencies to meet the National Contingency Plan (NCP) of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA).

The current assignment at Tinker Air Force Base will include the sampling (by ETG) and analysis of approximately 14 soil and 14 water samples for a variety of parameters including metals, miscellaneous inorganics, volatiles, semivolatiles, pesticides/PCBs, and gross alpha/gross beta plus herbicides on water samples. HAZWRAP Level C protocols will be used for this project.

Details on the QA objectives as well as the analytical and reporting requirements plus the anticipated project schedule are presented in subsequent sections of this work plan.

2.0 CLIENT INFORMATION

2.1 Names and Addresses

2.1.1 Tinker Air Force Base (For sample bottles)

Building 3333
Tinker Air Force Base, OK 73145
Attention: Linda Frame/HALLIBURTON NUS
(405) 734-3058

HAZWRAP CONTRACT
ANALYTICAL SUPPORT FOR
SITE INVESTIGATION AT
TINKER AIR FORCE BASE
PROJECT NO. 3K92-BC00

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2.1.2 HALLIBURTON NUS/Environmental Technology Group

Mr. Phil Ottinger
Project Manager
HALLIBURTON NUS Environmental Corporation
800 Oak Ridge Turnpike
Oak Ridge, TN 37830
(615) 483-9900

2.2 RFQ No.: Not applicable

2.3 HALLIBURTON NUS Contract No.: 13B-99784C, Task Order Y04

3.0 LSG MANAGEMENT

3.1 Project Manager: Pat Lynch

3.2 Proposal No.: Not applicable

4.0 SCOPE OF SERVICES

4.1.1 Provision of preserved sample bottles, shipping containers, and trip blanks plus additional unpreserved bottles (about 20) to be used for decontamination during sample collection. Specially-purchased (ICHEM) bottles will be used. The ICHEM quality control certificates will be shipped with the sample bottles to initiate tracking of bottles by lot number. The type of bottles and appropriate preservatives are described in Table 4-1. Bottle shipments will be coordinated through the Logistics Coordinator. The LSG project manager will complete the bottle order form.

4.1.2 Analysis of water and soil samples as noted on the field chain-of-custody forms. A list of the analyses that will be required is found in Section 4.3 of this work plan.

4.1.3 Provision of reports and quality control data as described in Section 4.5 of this work plan.

2.1.2 HALLIBURTON NUS/Environmental Technology Group

Mr. Phil Ottinger
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HALLIBURTON NUS Environmental Corporation
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TABLE 4-1
SAMPLE BOTTLE REQUIREMENTS[1]

Number/Size/Type	Parameters	Preservation
Water Samples		
2 - 1/2 gallon glass with Teflon-lined cap	Semivolatiles and Pesticides/PCBs	Cool, 4°C
2 - 40 ml VOA vials with Teflon-lined septum	Volatiles	Cool, 4°C, HCl to pH <2
1 - 1 liter plastic	Metals	HNO_3 to pH <2
1 - 1 liter plastic	BOD	Cool, 4°C
1 - 1 liter plastic	Cyanide	NaOH to pH >12, Cool 4°C
1 - 1 liter plastic	Chloride, Sulfate, TSS, Alkalinity, Turbidity, TDS, Fluoride, Hardness, MBAS	Cool, 4°C
1 - 8 oz. plastic	TOC, COD Nitrate	H_2SO_4 to pH <2; Cool, 4°C
1 - 1 liter glass with Teflon-lined cap	Herbicides	Cool, 4°C
Soil Samples		
1 - 8 oz. glass	All parameters except grain size (See Section 4.3)	Cool, 4°C
2 - 16 oz. glass	Grain size	---------

[1] ICHEM (or equivalent)

TABLE 4-1
SAMPLE BOTTLE REQUIREMENTS[1]

Number/Size/Type	Parameters	Preservation
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1 - 1 liter plastic	BOD	Cool, 4°C
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2 - 16 oz. glass	Grain size	---------

[1] ICHEM (or equivalent)

4.2 Project Schedule

Sample collection is scheduled to begin on or around February 5, 1992 and to continue for several consecutive days. The following milestones are applicable to this project:

4.2.1 Completion of analysis - within the holding times as measured from the date of sample collection. These holding times are described in LSG's "Laboratory Quality Assurance Plan in Support of the DOE's Hazardous Waste Remedial Actions Program (HAZWRAP)," June 1, 1991, Section 10.0. The holding times are also found on Table 6-1 of LSG's General Quality Assurance Plan. The scheduling requirements outlined below (4.2.2) take precedence over holding times in cases where holding times are longer.

4.2.2 Submittal of data packages to ETG - within 40 calendar days of receipt of the last sample in a sample delivery group (SDG). The LSG project manager will designate each SDG and publish final due dates. The first SDG has been designated as Case ID: TNK, SDG No.: PKG 6. Each subsequent SDG will have the same case ID and the next sequential SDG No. (i.e., PKG 7, PKG 8, etc.).

4.3 Analytical Requirements

The estimated number of samples and required analyses plus method references and test codes are provided in Tables 4-2 through 4-4. The CRDLs and CRQLs as found in the July 1988 CLP Statement of Work (SOW) for inorganics and the February 1988 SOW for organics will be reported for the applicable parameters. Otherwise, LSG's routine reporting limits will be used.

All soil field samples (approximately 17 including field duplicates, field blanks, etc.) will be analyzed for miscellaneous inorganics (contaminant indicators). Other parameters listed in Table 4-2 will be assigned to some of these same samples.

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Approximately 13 water samples, including field QC, will be collected. All of these samples will be analyzed for the contaminant indicators. Additional analyses will be assigned on a portion of these same samples as indicated on the chain-of-custody.

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TABLE 4-2

Estimated No. of Samples[1]	Matrix	Analyses	Method References[2]	Test Code[3] (PM/AM)
		Contaminant Indicators		
17	Soil	Nitrate (as N)	Agronomy No. 9/ EPA 353.2	I390S (L01S/I191SE)
17	Soil	Alkalinity, total	SM 403	I023S (L01S/ I112STS-)
17	Soil	TOC	Walkley-Black	I07S (00/I133SH)
17	Soil	pH	SW 9045	I490S (00/I260SR-)
17	Soil	EOX	Dohrmann	I315S (I08SE/I160SR)
Metals				
11	Soil	Antimony	CLP 204.2	ACLPS (00/A02SC)[4]
11	Soil	Arsenic	CLP 206.2	---------
11	Soil	Barium	CLP 200.7	---------
11	Soil	Beryllium	CLP 200.7	---------
11	Soil	Cadmium	CLP 200.7	---------
11	Soil	Chromium	CLP 200.7	---------
11	Soil	Cobalt	CLP 200.7	---------
11	Soil	Copper	CLP 200.7	---------
11	Soil	Lead	CLP 239.2	---------
11	Soil	Mercury	CLP 245.5	---------
11	Soil	Nickel	CLP 200.7	---------

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17	Soil	EOX	Dohrmann	I315S (I08SE/I160SR)
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11	Soil	Arsenic	CLP 206.2	---------
11	Soil	Barium	CLP 200.7	---------
11	Soil	Beryllium	CLP 200.7	---------
11	Soil	Cadmium	CLP 200.7	---------
11	Soil	Chromium	CLP 200.7	---------
11	Soil	Cobalt	CLP 200.7	---------
11	Soil	Copper	CLP 200.7	---------
11	Soil	Lead	CLP 239.2	---------
11	Soil	Mercury	CLP 245.5	---------
11	Soil	Nickel	CLP 200.7	---------

TABLE 4-2
(Continued)

Estimated No. of Samples[1]	Matrix	Analyses	Method References[2]	Test Code[3] (PM/AM)
11	Soil	Selenium	CLP 270.2	--------
11	Soil	Silver	CLP 200.7	---------
11	Soil	Thallium	CLP 279.2	---------
11	Soil	Vanadium	CLP 286.2	---------
11	Soil	Zinc	CLP 200.7	---------
Miscellaneous Organics				
10	Soil	Semivoltiles	SW 3550[5]	OSVIXS (E300SLLBNAR-[6]/ 010SBNAIXR-)
9	Soil	TCL Pesticides/PCBs	CLP	G120SC (E060SLLC-/G40SC-)
Miscellaneous				
8	Soil	Cyanide	CLP	I265SC (I05STE-/I145SC-)
8	Soil	Grain Size	ASTM D422	T45 (00/T09SHS)
8	Soil	Gross Alpha/Gross Beta	SW 9310	R03S (00/R100SE)
Metals				
14	Water	Antimony	CLP 204.2	ACLPW (00/A02WC)[4]
14	Water	Arsenic	CLP 206.2	---------

TABLE 4-2
(Continued)

Estimated No. of Samples[1]	Matrix	Analyses	Method References[2]	Test Code[3] (PM/AM)
11	Soil	Selenium	CLP 270.2	---------
11	Soil	Silver	CLP 200.7	---------
11	Soil	Thallium	CLP 279.2	---------
11	Soil	Vanadium	CLP 286.2	---------
11	Soil	Zinc	CLP 200.7	---------
Miscellaneous Organics				
10	Soil	Semivoltiles	SW 3550[5]	OSVIXS (E300SLLBNAR-[6]/ 010SBNAIXR-)
9	Soil	TCL Pesticides/PCBs	CLP	G120SC (E060SLLC-/G40SC-)
Miscellaneous				
8	Soil	Cyanide	CLP	I265SC (I05STE-/I145SC-)
8	Soil	Grain Size	ASTM D422	T45 (00/T09SHS)
8	Soil	Gross Alpha/Gross Beta	SW 9310	R03S (00/R100SE)
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TABLE 4-2
(Continued)

Estimated No. of Samples[1]	Matrix	Analyses	Method References[2]	Test Code[3] (PM/AM)
14	Water	Beryllium	CLP 200.7	---------
14	Water	Cadmium	CLP 200.7	---------
14	Water	Chromium	CLP 200.7	---------
14	Water	Cobalt	CLP 200.7	---------
14	Water	Copper	CLP 200.7	---------
14	Water	Mercury	CLP 245.1	---------
14	Water	Lead	CLP 239.2	---------
14	Water	Nickel	CLP 200.7	---------
14	Water	Selenium	CLP 270.2	---------
14	Water	Silver	CLP 200.7	---------
14	Water	Thallium	CLP 279.2	---------
14	Water	Vanadium	CLP 286.2	---------
14	Water	Zinc	CLP 200.7	---------
		Contaminant Indicators		
16	Water	Alkalinity	SM 403	I023 (00/I112WTS-)
16	Water	COD	EPA 410.1	I120 (I03/I135WH)
16	Water	Chloride	SW 9252	I130 (00/I138E)
16	Water	TDS	EPA 160.1	I590 (00/I311WE-)
16	Water	TSS	EPA 160.2	I610 (00/I310WE-)

TABLE 4-2
(Continued)

Estimated No. of Samples[1]	Matrix	Analyses	Method References[2]	Test Code[3] (PM/AM)
14	Water	Beryllium	CLP 200.7	--------
14	Water	Cadmium	CLP 200.7	--------
14	Water	Chromium	CLP 200.7	--------
14	Water	Cobalt	CLP 200.7	--------
14	Water	Copper	CLP 200.7	--------
14	Water	Mercury	CLP 245.1	--------
14	Water	Lead	CLP 239.2	--------
14	Water	Nickel	CLP 200.7	--------
14	Water	Selenium	CLP 270.2	--------
14	Water	Silver	CLP 200.7	--------
14	Water	Thallium	CLP 279.2	--------
14	Water	Vanadium	CLP 286.2	--------
14	Water	Zinc	CLP 200.7	--------
		Contaminant Indicators		
16	Water	Alkalinity	SM 403	I023 (00/I112WTS-)
16	Water	COD	EPA 410.1	I120 (I03/I135WH)
16	Water	Chloride	SW 9252	I130 (00/I138E)
16	Water	TDS	EPA 160.1	I590 (00/I311WE-)
16	Water	TSS	EPA 160.2	I610 (00/I310WE-)

TABLE 4-2
(Continued)

Estimated No. of Samples[1]	Matrix	Analyses	Method References[2]	Test Code[3] (PM/AM)
16	Water	BOD[8]	SM 507	I050 (00/I120WS-)
16	Water	Fluoride	SM 413B	I300 (00/I156WE-)
16	Water	Hardness	SM 314B	I320 (00/I172MACS-)
16	Water	Nitrate	EPA 353.2	I390 (00/I191E)
16	Water	TOC	EPA 415.1	I106 (00/I131WE-)
16	Water	Turbidity[8]	EPA 180.1	I780 (00/I390E)
Miscellaneous				
11	Water	Semivolatiles	SW 3510/[6] SW 8270	OSVIXW (E290WBNAR-[6]/ 010WBNAIXR-)
10	Water	TCL Pesticides/PCBs	CLP	G120WC (E021WC-/G40WC-)
9	Water	Cyanide	CLP	I265WC (I05WTE-/I145WC-)
13	Water	Volatiles	SW 8240[7]	OVIXW (00/020WIXR-[6])
10	Water	Herbicides (2,4,5-TP Silvex)	SW 3510/ SW 8150	G130W (E330WR-/G55WR-)
9	Water	Gross Alpha/Gross Beta	EPA 900.0	R03W (R01WE-/R100WE-)
8	Water	Surfactants (MBAS)[8]	EPA 425.1	I770 (00/I385E)

TABLE 4-2
(Continued)

Estimated No. of Samples[1]	Matrix	Analyses	Method References[2]	Test Code[3] (PM/AM)
16	Water	BOD[8]	SM 507	I050 (00/I120WS-)
16	Water	Fluoride	SM 413B	I300 (00/I156WE-)
16	Water	Hardness	SM 314B	I320 (00/I172MACS-)
16	Water	Nitrate	EPA 353.2	I390 (00/I191E)
16	Water	TOC	EPA 415.1	I106 (00/I131WE-)
16	Water	Turbidity[8]	EPA 180.1	I780 (00/I390E)
Miscellaneous				
11	Water	Semivolatiles	SW 3510/[5] SW 8270	OSVIXW (E290WBNAR-[6]/ 010WBNAIXR-)
10	Water	TCL Pesticides/PCBs	CLP	G120WC (E021WC-/G40WC-)
9	Water	Cyanide	CLP	I265WC (I05WTE-/I145WC-)
13	Water	Volatiles	SW 8240[7]	OVIXW (00/020WIXR-[6])
10	Water	Herbicides (2,4,5-TP Silvex)	SW 3510/ SW 8150	G130W (E330WR-/G55WR-)
9	Water	Gross Alpha/Gross Beta	EPA 900.0	R03W (R01WE-/R100WE-)
8	Water	Surfactants (MBAS)[8]	EPA 425.1	I770 (00/I385E)

TABLE 4-2
(Continued)

[1] The approximate number of samples includes trip blanks, field blanks, rinsates and field duplicates. These numbers are estimates only and could vary depending on actual site conditions.

[2] Subject to the QA/QC and delivery requirements as specified in Sections 4.4 and 4.5. All reference methods for miscellaneous inorganics are approved in 40CFR136, "Guidelines Establishing Test Procedures for the Analysis of Pollutants."

[3] The preparation method and the analytical method to be used with each test code are listed in parentheses.

[4] The package code will be assigned for all metals. However, since not all metals on the Target Analyte List are required, the specific analytes will be entered under the subtask, during sample check-in.

[5] The list of target compounds is found on Table 4-3.

[6] The analytes will be deleted in the LIMS and replaced by "Data Package" during check-in. The GC/MS group will refer to the work plan for the list of target compounds. HAZWRAP Level C protocol will apply.

[7] The list of target compounds is found in Table 4-4.

[8] Samples may be sent to a local lab (in vicinity of Tinker AFB) due to holding time.

CLP refers to "Statement of Work for Organics Analysis, Multi-Media, Multi-Concentration," February 1988, revised September 1988, and "Statement of Work for Inorganics Analysis, Multi-Media, Multi-Concentration," SOW 788, July 1988.

EPA refers to "Methods for Chemical Analysis of Water and Wastes," EPA-600/4-79-020, March 1979, revised March 1983.

SM refers to "Standard Methods for the Examination of Water and Wastewater," APHA-AWWA-WPCF, 16th edition.

SW refers to "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," SW-846, 3rd edition.

TABLE 4-2
(Continued)

1 The approximate number of samples includes trip blanks, field blanks, rinsates and field duplicates. These numbers are estimates only and could vary depending on actual site conditions.

2 Subject to the QA/QC and delivery requirements as specified in Sections 4.4 and 4.5. All reference methods for miscellaneous inorganics are approved in 40CFR136, "Guidelines Establishing Test Procedures for the Analysis of Pollutants."

3 The preparation method and the analytical method to be used with each test code are listed in parentheses.

4 The package code will be assigned for all metals. However, since not all metals on the Target Analyte List are required, the specific analytes will be entered under the subtask, during sample check-in.

5 The list of target compounds is found on Table 4-3.

6 The analytes will be deleted in the LIMS and replaced by "Data Package" during check-in. The GC/MS group will refer to the work plan for the list of target compounds. HAZWRAP Level C protocol will apply.

7 The list of target compounds is found in Table 4-4.

8 Samples may be sent to a local lab (in vicinity of Tinker AFB) due to holding time.

CLP refers to "Statement of Work for Organics Analysis, Multi-Media, Multi-Concentration," February 1988, revised September 1988, and "Statement of Work for Inorganics Analysis, Multi-Media, Multi-Concentration," SOW 788, July 1988.

EPA refers to "Methods for Chemical Analysis of Water and Wastes," EPA-600/4-79-020, March 1979, revised March 1983.

SM refers to "Standard Methods for the Examination of Water and Wastewater," APHA-AWWA-WPCF, 16th edition.

SW refers to "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," SW-846, 3rd edition.

TABLE 4-3
TARGET LIST/SEMIVOLATILES

Acenaphthene
Acenaphthylene
Acetophenone
2-Acetylaminofluorene
4-Aminobiphenyl
Aniline
Anthracene
Aramite
Benzo(a)anthracene
Benzo(a)pyrene
Benzo(b)fluoranthene
Benzo(ghi)perylene
Benzo(k)fluoranthene
Benzyl alcohol
bis(2-Chloroethoxyl)methane
bis(2-Chloroethoxyl)ether
bis(2-Chloroisopropyl)ether
bis(2-Ethylhexyl)phthalate
4-Bromophenyl phenyl ether
Butylbenzyl phthalate
4-Chloroaniline
2-Chloronaphthalene
4-Chlorophenyl phenyl ether
Chrysene
Diallate
Dibenzo(a,h)anthracene
Dibenzofuran
1,2-Dibromo-3-chloropropane
1,2-Dichlorobenzene
1,3-Dichlorobenzene
1,4-Dichlorobenzene
3,3'Dichlorobenzidine
Diethyl phthalate
Dimethoate
p(Dimethylamino)azobenzene
3,3'-Dimethylbenzidine
7,12-Dimethylbenzo(a)anthracene
alpha,alpha-Dimethyl phenethylamine
Dimethyl phthalate
Di-n-butyl phthalate
m-Dinitrobenzene
2,4-Dinitrotoluene
2,6-Dinitrotoluene
Di-n-octyl phthalate
Diphenylamine
Ethyl methane sulfonate
Fluoranthene
Fluorene
Hexachlorobenzene
Hexachlorobutadiene
Hexachlorocyclopenadiene
Hexachloroethane
Hexachlorophene
Hexachloropropene
Indeno(1,2,3-cd)pyrene
Isophorone
Isosafrole
Methapyrilene
3-Methylcholanthrene
Methyl methanesulfonate
2-Methylnaphthalene
Naphthalene
1,4-Naphthoquinone
2-Naphthylamine
2-Nitroaniline
3-Nitroaniline
4-Nitroaniline
Nitrobenzene

TABLE 4-3
TARGET LIST/SEMIVOLATILES

Acenaphthene
Acenaphthylene
Acetophenone
2-Acetylaminofluorene
4-Aminobiphenyl
Aniline
Anthracene
Aramite
Benzo(a)anthracene
Benzo(a)pyrene
Benzo(b)fluoranthene
Benzo(ghi)perylene
Benzo(k)fluoranthene
Benzyl alcohol
bis(2-Chloroethoxyl)methane
bis(2-Chloroethoxyl)ether
bis(2-Chloroisopropyl)ether
bis(2-Ethylhexyl)phthalate
4-Bromophenyl phenyl ether
Butylbenzyl phthalate
4-Chloroaniline
2-Chloronaphthalene
4-Chlorophenyl phenyl ether
Chrysene
Diallate
Dibenzo(a,h)anthracene
Dibenzofuran
1,2-Dibromo-3-chloropropane
1,2-Dichlorobenzene
1,3-Dichlorobenzene
1,4-Dichlorobenzene
3,3'Dichlorobenzidine
Diethyl phthalate
Dimethoate
p(Dimethylamino)azobenzene
3,3'-Dimethylbenzidine
7,12-Dimethylbenzo(a)anthracene
alpha,alpha-Dimethyl phenethylamine
Dimethyl phthalate
Di-n-butyl phthalate
m-Dinitrobenzene
2,4-Dinitrotoluene
2,6-Dinitrotoluene
Di-n-octyl phthalate
Diphenylamine
Ethyl methane sulfonate
Fluoranthene
Fluorene
Hexachlorobenzene
Hexachlorobutadiene
Hexachlorocyclopenadiene
Hexachloroethane
Hexachlorophene
Hexachloropropene
Indeno(1,2,3-cd)pyrene
Isophorone
Isosafrole
Methapyrilene
3-Methylcholanthrene
Methyl methanesulfonate
2-Methylnaphthalene
Naphthalene
1,4-Naphthoquinone
2-Naphthylamine
2-Nitroaniline
3-Nitroaniline
4-Nitroaniline
Nitrobenzene

TABLE 4-3
TARGET LIST/SEMIVOLATILES
(Continued)

5-Nitro-o-toluidine
4-Nitroquinoline 1-oxide
N-Nitrosodiethylamine
N-Nitrosodimethylamine
N-Nitrosodi-n-butylamine
N-Nitrosodi-n-propylamine
N-Nitrosodiphenylamine
N-Nitrosomethylethylamine
N-Nitrosomorpholine
N-Nitrosopiperidine
N-Nitrosopyrrolidine
Pentachlorobenzene
Pentachloronitrobenzene
Phenacetin
Phenanthrene
2,6-Dichlorophenol
4,6-Dinitro-o-cresol
2-Methylphenol
4-Methylphenol
4-Nitrophenol
Phenol
2,4,5-Trichlorophenol
p-Phenylenediamine
2-Picoline
Pronamide
Pyrene
Pyridine
Safrole
1,2,4,5-Tetrachlorobenzene
1,2,4-Trichlorobenzene
0,0,0-Triethyl phorothioate
sym-Triitrobenzene
o-Toluidine
2-sec-Butyl-4,6-dinitrophenol
p-Chloro-m-cresol
2-Chlorophenol
2,4-Dichlorophenol
2,4-Dimethylphenol
2,4-Dinitrophenol
3-Methylphenol
2-Nitrophenol
Pentachlorophenol
2,3,4,6-Tetrachlorophenol
2,4,6-Trichlorophenol

TABLE 4-3
TARGET LIST/SEMIVOLATILES
(Continued)

5-Nitro-o-toluidine
4-Nitroquinoline 1-oxide
N-Nitrosodiethylamine
N-Nitrosodimethylamine
N-Nitrosodi-n-butylamine
N-Nitrosodi-n-propylamine
N-Nitrosodiphenylamine
N-Nitrosomethylethylamine
N-Nitrosomorpholine
N-Nitrosopiperidine
N-Nitrosopyrrolidine
Pentachlorobenzene
Pentachloronitrobenzene
Phenacetin
Phenanthrene
2,6-Dichlorophenol
4,6-Dinitro-o-cresol
2-Methylphenol
4-Methylphenol
4-Nitrophenol
Phenol
2,4,5-Trichlorophenol
p-Phenylenediamine
2-Picoline
Pronamide
Pyrene
Pyridine
Safrole
1,2,4,5-Tetrachlorobenzene
1,2,4-Trichlorobenzene
0,0,0-Triethyl phorothioate
sym-Triitrobenzene
o-Toluidine
2-sec-Butyl-4,6-dinitrophenol
p-Chloro-m-cresol
2-Chlorophenol
2,4-Dichlorophenol
2,4-Dimethylphenol
2,4-Dinitrophenol
3-Methylphenol
2-Nitrophenol
Pentachlorophenol
2,3,4,6-Tetrachlorophenol
2,4,6-Trichlorophenol

TABLE 4-4
TARGET LIST/VOLATILE ORGANICS

Acetone
Acrolein
Acrylonitrile
Allyl chloride
Benzene
Bromodichloromethane
Bromoform, Tribromomethane
Carbon disulfide
Carbon tetrachloride
Chlorobenzene
Chloroethane, Ethyl chloride
Chloroform
Chloroprene
Dibromochloromethane, Chlorodibromomethane
1,2-Dibromo-3-chloropropane, DBCP
1,2-Dibromoethane, Ethylene dibromide
trans-1,4-Dichloro-2-butene
Dichlorodifluoromethane
1,1-Dichloroethane
1,2-Dichloroethane, Ethylene dichloride
1,1-Dichloroethylene, Vinylidene chloride
trans-1,2-Dichloroethylene
1,2-Dichloropropane
cis-1,3-Dichloropropene
trans-1,3-Dichloropropene
Ethylbenzene
Ethyl methacrylate
2-Hexanone
Methacrylonitrile
Methyl bromide, Bromomethane
Methyl chloride, Chloromethane
Methylene bromide, Dibromomethane
Methylene chloride, Dichloromethane
Methyl ethyl ketone, MEK
Methyl iodide, Iodomethane
Methyl methacrylate
4-Methyl-2-pentanone, Methyl isobutyl ketone
Pentachloroethane
Propionitrile, Ethyl cyanide
Styrene
1,1,1,2-Tetrachloroethane
1,1,2,2-Tetrachloroethane
Tetrachloroethylene, Perchloroethylene, Tetrachloroethene
Toluene
1,1,1-Trichloroethane, Methyl chloroform
1,1,2-Trichloroethane
Trichloroethylene, Trichloroethene
Trichlorofluoromethane
1,2,3-Trichloropropane
Vinyl Acetate
Vinyl Chloride
Xylene (total)

TABLE 4-4
TARGET LIST/VOLATILE ORGANICS

Acetone
Acrolein
Acrylonitrile
Allyl chloride
Benzene
Bromodichloromethane
Bromoform, Tribromomethane
Carbon disulfide
Carbon tetrachloride
Chlorobenzene
Chloroethane, Ethyl chloride
Chloroform
Chloroprene
Dibromochloromethane, Chlorodibromomethane
1,2-Dibromo-3-chloropropane, DBCP
1,2-Dibromoethane, Ethylene dibromide
trans-1,4-Dichloro-2-butene
Dichlorodifluoromethane
1,1-Dichloroethane
1,2-Dichloroethane, Ethylene dichloride
1,1-Dichloroethylene, Vinylidene chloride
trans-1,2-Dichloroethylene
1,2-Dichloropropane
cis-1,3-Dichloropropene
trans-1,3-Dichloropropene
Ethylbenzene
Ethyl methacrylate
2-Hexanone
Methacrylonitrile
Methyl bromide, Bromomethane
Methyl chloride, Chloromethane
Methylene bromide, Dibromomethane
Methylene chloride, Dichloromethane
Methyl ethyl ketone, MEK
Methyl iodide, Iodomethane
Methyl methacrylate
4-Methyl-2-pentanone, Methyl isobutyl ketone
Pentachloroethane
Propionitrile, Ethyl cyanide
Styrene
1,1,1,2-Tetrachloroethane
1,1,2,2-Tetrachloroethane
Tetrachloroethylene, Perchloroethylene, Tetrachloroethene
Toluene
1,1,1-Trichloroethane, Methyl chloroform
1,1,2-Trichloroethane
Trichloroethylene, Trichloroethene
Trichlorofluoromethane
1,2,3-Trichloropropane
Vinyl Acetate
Vinyl Chloride
Xylene (total)

4.4 Quality Control Requirements

4.4.1 Metals, Cyanide, and Miscellaneous Inorganics

The quality control requirements for metals, cyanide, and miscellaneous inorganics are found in Section 11.0 of LSG's quality assurance project plan for HAZWRAP (revised 6/1/91). The requirements for this project are equivalent to HAZWRAP Level C. For metals, however, the list of required analytes does not include the complete TAL list.

4.4.2 Pesticides/PCBs and Herbicides

The quality control requirements will follow HAZWRAP Level C. These requirements are defined in Section 11.0 of LSG's quality assurance plan for HAZWRAP (revised 6/1/91). HAZWRAP Level C is comparable to the CLP protocol with the adidtional requirement of a blank spike for each batch (see HAZWRAP QA plan, Section 11.0).

4.4.3 Volatiles and Semivolatiles by GC/MS

The quality control requirements for volatiles and semivolatiles by GC/MS are defined in Section 11.0 of LSG's quality assurance plan for HAZWRAP (revised 6/1/91). The requirements for this project are equivalent to HAZWRAP Level C. A 5-point initial calibraton will be performed with all target analyties. A 1-point continuing calibration will apply to those compounds not on the Target Compound List (TCL). No specific acceptance criteria for continuing calibration have been established for these extra compounds.

4.4.4 Radiochemistry (Gross Alpha/Gross Beta)

The quality control requirements include the following with each batch.

- Method blank
- Blank spike
- Matrix spike/matrix spike duplicate

4.4 Quality Control Requirements

4.4.1 Metals, Cyanide, and Miscellaneous Inorganics

The quality control requirements for metals, cyanide, and miscellaneous inorganics are found in Section 11.0 of LSG's quality assurance project plan for HAZWRAP (revised 6/1/91). The requirements for this project are equivalent to HAZWRAP Level C. For metals, however, the list of required analytes does not include the complete TAL list.

4.4.2 Pesticides/PCBs and Herbicides

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4.4.3 Volatiles and Semivolatiles by GC/MS

The quality control requirements for volatiles and semivolatiles by GC/MS are defined in Section 11.0 of LSG's quality assurance plan for HAZWRAP (revised 6/1/91). The requirements for this project are equivalent to HAZWRAP Level C. A 5-point initial calibraton will be performed with all target analyties. A 1-point continuing calibration will apply to those compounds not on the Target Compound List (TCL). No specific acceptance criteria for continuing calibration have been established for these extra compounds.

4.4.4 Radiochemistry (Gross Alpha/Gross Beta)

The quality control requirements include the following with each batch.

- Method blank
- Blank spike
- Matrix spike/matrix spike duplicate

The acceptance criteria will be as specified in the "General Quality Assurance Plan."

4.5 Deliverables

The required deliverables are defined in Section 14.0 of the laboratory QA plan for HAZWRAP. All deliverables will follow the requirements for Level C protocol for all miscellaneous. For radiochemistry, the information provided for miscellaneous inorganics will apply. Data packages will be due 40 days from receipt of the last sample in a Sample Delivery Group.

4.6 Laboratory Sample Tracking

The laboratory sample tracking procedure is described in Section 6.0 of LSG's quality assurance plan for HAZWRAP. This procedure incorporates many of the requirements in Section QA-7 of LSG's "General Quality Assurance Plan." Specific protocols from QA-7 applicable to this project are:

4.6.1 Receipt of samples by CLP protocol (Section 3.2).

4.6.2 Direct tracking (Section 3.15.2).

4.7 Applicable Regulations and Codes

4.7.1 Comprehensive Environmental Response Compensation, and Liability Act (CERCLA)/USEPA Contract Laboratory Program (CLP) Statements of Work as defined in Section 4.3 of this work plan.

4.7.2 40CFR136, "Guidelines Establishing Test Procedures for the Analysis of Pollutants" - applicable to all holding times for all parameters and method references for miscellaneous inorganics parameters.

4.7.3 40CFR260-270, RCRA Guidelines for Identification and Disposal of Hazardous Wastes.

The acceptance criteria will be as specified in the "General Quality Assurance Plan."

4.5 Deliverables

The required deliverables are defined in Section 14.0 of the laboratory QA plan for HAZWRAP. All deliverables will follow the requirements for Level C protocol for all miscellaneous. For radiochemistry, the information provided for miscellaneous inorganics will apply. Data packages will be due 40 days from receipt of the last sample in a Sample Delivery Group.

4.6 Laboratory Sample Tracking

The laboratory sample tracking procedure is described in Section 6.0 of LSG's quality assurance plan for HAZWRAP. This procedure incorporates many of the requirements in Section QA-7 of LSG's "General Quality Assurance Plan." Specific protocols from QA-7 applicable to this project are:

4.6.1 Receipt of samples by CLP protocol (Section 3.2).

4.6.2 Direct tracking (Section 3.15.2).

4.7 Applicable Regulations and Codes

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4.7.2 40CFR136, "Guidelines Establishing Test Procedures for the Analysis of Pollutants" - applicable to all holding times for all parameters and method references for miscellaneous inorganics parameters.

4.7.3 40CFR260-270, RCRA Guidelines for Identification and Disposal of Hazardous Wastes.

4.8 Applicable LSG Procedures and Plans

4.8.1 "Laboratory Quality Assurance Plan in Support of the DOE's Hazardous Waste Remedial Actions Program, Requirements for Quality Control of Analytical Data," Revision 4, June 1, 1991.

4.8.2 LSG's "General Quality Assurance Plan."

4.9 Training Requirements

Project-specific training will be conducted according to the procedures described in QA-17.

4.9.1 The LSG project manager will provide training to the LSG group leaders and assistant group leaders.

4.9.2 The LSG group leaders will ensure that LSG staff receive project-specific training.

4.10 Sample Disposal

All samples and extracts can be discarded 60 days after the final mail date for the data packages.

5.0 PROJECT RECORDS

LSG's routine procedures for generation, storage, retrieval, and retention of project records will apply to this project.

6.0 PROJECT CHARGES

Refer to Attachment A for unit rates for sample analyses. All reanalyses and/or dilutions will be billable if the reanalysis demonstrates sample matrix effects on the first run, and the first run was completed within holding times. All charges must be billed under Project/PMS No. 3K92-BC00.

4.8 Applicable LSG Procedures and Plans

4.8.1 "Laboratory Quality Assurance Plan in Support of the DOE's Hazardous Waste Remedial Actions Program, Requirements for Quality Control of Analytical Data," Revision 4, June 1, 1991.

4.8.2 LSG's "General Quality Assurance Plan."

4.9 Training Requirements

Project-specific training will be conducted according to the procedures described in QA-17.

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5.0 PROJECT RECORDS

LSG's routine procedures for generation, storage, retrieval, and retention of project records will apply to this project.

6.0 PROJECT CHARGES

Refer to Attachment A for unit rates for sample analyses. All reanalyses and/or dilutions will be billable if the reanalysis demonstrates sample matrix effects on the first run, and the first run was completed within holding times. All charges must be billed under Project/PMS No. 3K92-BC00.

The address to appear on all reports and invoices is:

Tinker Air Force Base - c/o HALLIBURTON NUS Environmental Corporation
800 Oak Ridge Turnpike
Oak Ridge, Tennessee 37830
Attention: Phillip Ottinger

7.0 WORK PLAN DISTRIBUTION

With Attachment A

1 M. Bartolovic
1 M. Booska
1 T. Carnegie
1 D. Drzik
1 P. Frank
1 P. Lynch
1 L. Manning
1 D. Meyer
1 P. Ottinger
1 S. Parrish/Client File
1 J. Simanic

Without Attachment A

2 R. Capp/GC Lab File
2 T. Colbert/Inorganic Lab
1 D. Del Prete
4 C. Kieda/GC/MS Lab/GC/MS-Aquis/ GC/MS Red/Organic Extraction
1 E. Kinley
3 C. Kovach/Metals Lab/Metals Prep Lab
1 R. Lynch
1 P. Papenmeier
1 J. Samchuck
1 P. Saracena
1 E. Scoullos
1 R. Whartenby

The address to appear on all reports and invoices is:

Tinker Air Force Base - c/o HALLIBURTON NUS Environmental Corporation
800 Oak Ridge Turnpike
Oak Ridge, Tennessee 37830
Attention: Phillip Ottinger

7.0 WORK PLAN DISTRIBUTION

With Attachment A

1 M. Bartolovic
1 M. Booska
1 T. Carnegie
1 D. Drzik
1 P. Frank
1 P. Lynch
1 L. Manning
1 D. Meyer
1 P. Ottinger
1 S. Parrish/Client File
1 J. Simanic

Without Attachment A

2 R. Capp/GC Lab File
2 T. Colbert/Inorganic Lab
1 D. Del Prete
4 C. Kieda/GC/MS Lab/GC/MS-Aquis/ GC/MS Red/Organic Extraction
1 E. Kinley
3 C. Kovach/Metals Lab/Metals Prep Lab
1 R. Lynch
1 P. Papenmeier
1 J. Samchuck
1 P. Saracena
1 E. Scoullos
1 R. Whartenby

ATTACHMENT A

SAMPLE CHARGES

ATTACHMENT A

SAMPLE CHARGES

TABLE 1
ESTIMATED COSTS
TINKER AIR FORCE BASE
PROJECT NO. 3K92-BC00

Parameter	Cost Per Sample	Estimated No. of Samples[1]	Estimated Total Cost
Soil Samples			
A. Contaminant Indicators			
Alkalinity, total	$24.00	19	$ 456.00
Nitrate (as N)	26.00	19	494.00
pH	----[2]	19	----
Total Organic Carbon (TOC)	27.20	19	516.80
Total Organic Halogens (EOX)	125.00	19	2,375.00
Estimated Total (A)			**$3,841.80**
B. Metals	$322.32	13	$4,190.16
Estimated Total (B)			**$4,190.16**
C. Miscellaneous Organics			
Semivolatile Organics	$584.00	12	$ 7,008.00
Gross Alpha/Gross Beta	80.00	9	720.00
TCL Pesticides/PCBs	272.00	11	2,992.00
Cyanide	38.25	10	382.50
Grain Size (Sieve and Hydrometer)	100.00	8	800.00
Estimated Total (C)			**$11,902.50**
Estimated Total for Soil Samples			**$19,934.46**
Water Samples			
A. Contaminant Indicators			
Alkalinity, Total	$ 8.00	18	$ 144.00
BOD	25.00	18	450.00

TABLE 1
ESTIMATED COSTS
TINKER AIR FORCE BASE
PROJECT NO. 3K92-BC00

Parameter	Cost Per Sample	Estimated No. of Samples[1]	Estimated Total Cost
Soil Samples			
A. Contaminant Indicators			
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Water Samples			
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Alkalinity, Total	$ 8.00	18	$ 144.00
BOD	25.00	18	450.00

TABLE 2
ADDITIONAL BILLABLE CHARGES
TINKER AIR FORCE BASE
ZONE 1/IWTP STUDY
PROJECT NO. 3K92-BC00

PARAMETER	COST PER SAMPLE
Volatiles (no TICs)	$297.00[1]
Semivolatiles (no TICs)	
• Dilutions	432.00
• Reanalysis (with extraction)	584.00
• Reanalysis (without extraction)	432.00
• Extraction only	152.00
Pesticides/PCBs (Soil)	
• Dilutions	174.84
• Reanalysis (with extraction)	272.00
• Reanalysis (without extraction)	174.84
• Extraction Only	97.16
Pesticides/PCBs (Water)	
• Dilutions	155.17
• Reanalysis (with extraction)	241.40
• Reanalysis (without extraction)	155.17
• Extraction Only	86.23

[1] This price applies to dilutions and reanalyses.

TABLE 2
ADDITIONAL BILLABLE CHARGES
TINKER AIR FORCE BASE
ZONE 1/IWTP STUDY
PROJECT NO. 3K92-BC00

PARAMETER	COST PER SAMPLE
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• Reanalysis (with extraction)	584.00
• Reanalysis (without extraction)	432.00
• Extraction only	152.00
Pesticides/PCBs (Soil)	
• Dilutions	174.84
• Reanalysis (with extraction)	272.00
• Reanalysis (without extraction)	174.84
• Extraction Only	97.16
Pesticides/PCBs (Water)	
• Dilutions	155.17
• Reanalysis (with extraction)	241.40
• Reanalysis (without extraction)	155.17
• Extraction Only	86.23

[1] This price applies to dilutions and reanalyses.

TABLE 1
ESTIMATED COSTS
TINKER AIR FORCE BASE
PROJECT NO. 3K92-BC00
PAGE 3

Parameter	Cost Per Sample	Estimated No. of Samples[1]	Estimated Total Cost
Estimated Total for Water Samples			$25,902.54
ESTIMATED TOTAL (SOIL AND WATER)			$45,837.00[3]

1 The estimated numbers of samples include the approximate numbers of matrix spike/matrix spike duplicates (or duplicate) analyses that will be required.

2 Included in charge for alkalinity.

3 Some additional charges, which LSG cannot predict, may be appropriate. These charges include billable dilutions and/or reanalyses that are required to comply with protocol.

TABLE 1
ESTIMATED COSTS
TINKER AIR FORCE BASE
PROJECT NO. 3K92-BC00
PAGE 3

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Estimated Total for Water Samples			$25,902.54
ESTIMATED TOTAL (SOIL AND WATER)			$45,837.00[3]

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TABLE 1
ESTIMATED COSTS
TINKER AIR FORCE BASE
PROJECT NO. 3K92-BC00
PAGE 2

Parameter	Cost Per Sample	Estimated No. of Samples[1]	Estimated Total Cost
COD	$ 20.00	18	$ 360.00
Chloride	6.80	18	122.40
Total Dissolved Solids	8.16	18	146.88
Fluoride	8.16	18	146.88
Hardness	8.00	18	144.00
Nitrate	16.00	18	288.00
Total Suspended Solids	12.00	18	216.00
TOC	20.00	18	360.00
Turbidity	15.00	18	270.00
Estimated Total (A)			**$ 2,648.16**
B. Metals	$316.88	16	$ 5,070.08
Estimated Total (B)			**$ 5,070.08**
C. Miscellaneous			
Volaitle Organics	$297.00	15	$ 4,455.00
Semivolatile Organics	584.00	13	7,592.00
Pesticides/PCBs	241.40	12	2,896.80
Herbicides (2,4,5-TP Silvex)	175.00	12	2,100.00
Cyanide	25.50	11	280.50
Gross Alpha/Gross Beta	60.00	11	660.00
Surfactants (MBAS)	20.00	10	200.00
Estimated Total (C)			**$18,184.30**

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ESTIMATED COSTS
TINKER AIR FORCE BASE
PROJECT NO. 3K92-BC00
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Parameter	Cost Per Sample	Estimated No. of Samples[1]	Estimated Total Cost
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2.1.2 HALLIBURTON NUS/Environmental Technology Group

Mr. Phil Ottinger
Project Manager
HALLIBURTON NUS Environmental Corporation
800 Oak Ridge Turnpike
Oak Ridge, TN 37830
(615) 483-9900

2.2 RFQ No.: Not applicable

2.3 HALLIBURTON NUS Contract No.: 13B-99784C, Task Order Y04

3.0 LSG MANAGEMENT

3.1 Project Manager: Pat Lynch

3.2 Proposal No.: Not applicable

4.0 SCOPE OF SERVICES

4.1.1 Provision of preserved sample bottles, shipping containers, and trip blanks plus additional unpreserved bottles (about 20) to be used for decontamination during sample collection. Specially-purchased (ICHEM) bottles will be used. The ICHEM quality control certificates will be shipped with the sample bottles to initiate tracking of bottles by lot number. The type of bottles and appropriate preservatives are described in Table 4-1. Bottle shipments will be coordinated through the Logistics Coordinator. The LSG project manager will complete the bottle order form.

4.1.2 Analysis of water and soil samples as noted on the field chain-of-custody forms. A list of the analyses that will be required is found in Section 4.3 of this work plan.

4.1.3 Provision of reports and quality control data as described in Section 4.5 of this work plan.

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TABLE 4-1
SAMPLE BOTTLE REQUIREMENTS[1]

Number/Size/Type	Parameters	Preservation
Water Samples		
2 - 1/2 gallon glass with Teflon-lined cap	Semivolatiles and Pesticides/PCBs	Cool, 4°C
2 - 40 ml VOA vials with Teflon-lined septum	Volatiles	Cool, 4°C, HCl to pH <2
1 - 1 liter plastic	Metals	HNO_3 to pH <2
1 - 1 liter plastic	BOD	Cool, 4°C
1 - 1 liter plastic	Cyanide	NaOH to pH >12, Cool 4°C
1 - 1 liter plastic	Chloride, Sulfate, TSS, Alkalinity, Turbidity, TDS, Fluoride, Hardness, MBAS	Cool, 4°C
1 - 8 oz. plastic	TOC, COD Nitrate	H_2SO_4 to pH <2; Cool, 4°C
1 - 1 liter glass with Teflon-lined cap	Herbicides	Cool, 4°C
Soil Samples		
1 - 8 oz. glass	All parameters except grain size (See Section 4.3)	Cool, 4°C
2 - 16 oz. glass	Grain size	----------

[1] ICHEM (or equivalent)

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Soil Samples		
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2 - 16 oz. glass	Grain size	----------

[1] ICHEM (or equivalent)

4.2 Project Schedule

Sample collection is scheduled to begin on or around February 5, 1992 and to continue for several consecutive days. The following milestones are applicable to this project:

4.2.1 Completion of analysis - within the holding times as measured from the date of sample collection. These holding times are described in LSG's "Laboratory Quality Assurance Plan in Support of the DOE's Hazardous Waste Remedial Actions Program (HAZWRAP)," June 1, 1991, Section 10.0. The holding times are also found on Table 6-1 of LSG's General Quality Assurance Plan. The scheduling requirements outlined below (4.2.2) take precedence over holding times in cases where holding times are longer.

4.2.2 Submittal of data packages to ETG - within 40 calendar days of receipt of the last sample in a sample delivery group (SDG). The LSG project manager will designate each SDG and publish final due dates. The first SDG has been designated as Case ID: TNK, SDG No.: PKG 6. Each subsequent SDG will have the same case ID and the next sequential SDG No. (i.e., PKG 7, PKG 8, etc.).

4.3 Analytical Requirements

The estimated number of samples and required analyses plus method references and test codes are provided in Tables 4-2 through 4-4. The CRDLs and CRQLs as found in the July 1988 CLP Statement of Work (SOW) for inorganics and the February 1988 SOW for organics will be reported for the applicable parameters. Otherwise, LSG's routine reporting limits will be used.

All soil field samples (approximately 17 including field duplicates, field blanks, etc.) will be analyzed for miscellaneous inorganics (contaminant indicators). Other parameters listed in Table 4-2 will be assigned to some of these same samples.

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Approximately 13 water samples, including field QC, will be collected. All of these samples will be analyzed for the contaminant indicators. Additional analyses will be assigned on a portion of these same samples as indicated on the chain-of-custody.

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TABLE 4-2

Estimated No. of Samples[1]	Matrix	Analyses	Method References[2]	Test Code[3] (PM/AM)
		Contaminant Indicators		
17	Soil	Nitrate (as N)	Agronomy No. 9/ EPA 353.2	I390S (L01S/I191SE)
17	Soil	Alkalinity, total	SM 403	I023S (L01S/ I112STS-)
17	Soil	TOC	Walkley-Black	I07S (00/I133SH)
17	Soil	pH	SW 9045	I490S (00/I260SR-)
17	Soil	EOX	Dohrmann	I315S (I08SE/I160SR)
Metals				
11	Soil	Antimony	CLP 204.2	ACLPS (00/A02SC)[4]
11	Soil	Arsenic	CLP 206.2	---------
11	Soil	Barium	CLP 200.7	---------
11	Soil	Beryllium	CLP 200.7	---------
11	Soil	Cadmium	CLP 200.7	---------
11	Soil	Chromium	CLP 200.7	---------
11	Soil	Cobalt	CLP 200.7	---------
11	Soil	Copper	CLP 200.7	---------
11	Soil	Lead	CLP 239.2	---------
11	Soil	Mercury	CLP 245.5	---------
11	Soil	Nickel	CLP 200.7	---------

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		Contaminant Indicators		
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17	Soil	TOC	Walkley-Black	I07S (00/I133SH)
17	Soil	pH	SW 9045	I490S (00/I260SR-)
17	Soil	EOX	Dohrmann	I315S (I08SE/I160SR)
Metals				
11	Soil	Antimony	CLP 204.2	ACLPS (00/A02SC)[4]
11	Soil	Arsenic	CLP 206.2	---------
11	Soil	Barium	CLP 200.7	---------
11	Soil	Beryllium	CLP 200.7	---------
11	Soil	Cadmium	CLP 200.7	---------
11	Soil	Chromium	CLP 200.7	---------
11	Soil	Cobalt	CLP 200.7	---------
11	Soil	Copper	CLP 200.7	---------
11	Soil	Lead	CLP 239.2	---------
11	Soil	Mercury	CLP 245.5	---------
11	Soil	Nickel	CLP 200.7	---------

TABLE 4-2
(Continued)

Estimated No. of Samples[1]	Matrix	Analyses	Method References[2]	Test Code[3] (PM/AM)
11	Soil	Selenium	CLP 270.2	--------
11	Soil	Silver	CLP 200.7	--------
11	Soil	Thallium	CLP 279.2	--------
11	Soil	Vanadium	CLP 286.2	--------
11	Soil	Zinc	CLP 200.7	--------
Miscellaneous Organics				
10	Soil	Semivoltiles	SW 3550[5]	OSVIXS (E300SLLBNAR-[6]/ 010SBNAIXR-)
9	Soil	TCL Pesticides/PCBs	CLP	G120SC (E060SLLC-/G40SC-)
Miscellaneous				
8	Soil	Cyanide	CLP	I265SC (I05STE-/I145SC-)
8	Soil	Grain Size	ASTM D422	T45 (00/T09SHS)
8	Soil	Gross Alpha/Gross Beta	SW 9310	R03S (00/R100SE)
Metals				
14	Water	Antimony	CLP 204.2	ACLPW (00/A02WC)[4]
14	Water	Arsenic	CLP 206.2	--------

TABLE 4-2
(Continued)

Estimated No. of Samples[1]	Matrix	Analyses	Method References[2]	Test Code[3] (PM/AM)
11	Soil	Selenium	CLP 270.2	--------
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11	Soil	Thallium	CLP 279.2	--------
11	Soil	Vanadium	CLP 286.2	--------
11	Soil	Zinc	CLP 200.7	--------
Miscellaneous Organics				
10	Soil	Semivoltiles	SW 3550[5]	OSVIXS (E300SLLBNAR-[6]/ 010SBNAIXR-)
9	Soil	TCL Pesticides/PCBs	CLP	G120SC (E060SLLC-/G40SC-)
Miscellaneous				
8	Soil	Cyanide	CLP	I265SC (I05STE-/I145SC-)
8	Soil	Grain Size	ASTM D422	T45 (00/T09SHS)
8	Soil	Gross Alpha/Gross Beta	SW 9310	R03S (00/R100SE)
Metals				
14	Water	Antimony	CLP 204.2	ACLPW (00/A02WC)[4]
14	Water	Arsenic	CLP 206.2	--------

TABLE 4-2
(Continued)

Estimated No. of Samples[1]	Matrix	Analyses	Method References[2]	Test Code[3] (PM/AM)
14	Water	Beryllium	CLP 200.7	---------
14	Water	Cadmium	CLP 200.7	---------
14	Water	Chromium	CLP 200.7	---------
14	Water	Cobalt	CLP 200.7	---------
14	Water	Copper	CLP 200.7	---------
14	Water	Mercury	CLP 245.1	---------
14	Water	Lead	CLP 239.2	---------
14	Water	Nickel	CLP 200.7	---------
14	Water	Selenium	CLP 270.2	---------
14	Water	Silver	CLP 200.7	---------
14	Water	Thallium	CLP 279.2	---------
14	Water	Vanadium	CLP 286.2	---------
14	Water	Zinc	CLP 200.7	---------
		Contaminant Indicators		
16	Water	Alkalinity	SM 403	I023 (00/I112WTS-)
16	Water	COD	EPA 410.1	I120 (I03/I135WH)
16	Water	Chloride	SW 9252	I130 (00/I138E)
16	Water	TDS	EPA 160.1	I590 (00/I311WE-)
16	Water	TSS	EPA 160.2	I610 (00/I310WE-)

TABLE 4-2
(Continued)

Estimated No. of Samples[1]	Matrix	Analyses	Method References[2]	Test Code[3] (PM/AM)
14	Water	Beryllium	CLP 200.7	--------
14	Water	Cadmium	CLP 200.7	--------
14	Water	Chromium	CLP 200.7	--------
14	Water	Cobalt	CLP 200.7	--------
14	Water	Copper	CLP 200.7	--------
14	Water	Mercury	CLP 245.1	--------
14	Water	Lead	CLP 239.2	--------
14	Water	Nickel	CLP 200.7	--------
14	Water	Selenium	CLP 270.2	--------
14	Water	Silver	CLP 200.7	--------
14	Water	Thallium	CLP 279.2	--------
14	Water	Vanadium	CLP 286.2	--------
14	Water	Zinc	CLP 200.7	--------
		Contaminant Indicators		
16	Water	Alkalinity	SM 403	I023 (00/I112WTS-)
16	Water	COD	EPA 410.1	I120 (I03/I135WH)
16	Water	Chloride	SW 9252	I130 (00/I138E)
16	Water	TDS	EPA 160.1	I590 (00/I311WE-)
16	Water	TSS	EPA 160.2	I610 (00/I310WE-)

TABLE 4-2
(Continued)

Estimated No. of Samples[1]	Matrix	Analyses	Method References[2]	Test Code[3] (PM/AM)
16	Water	BOD[8]	SM 507	I050 (00/I120WS-)
16	Water	Fluoride	SM 413B	I300 (00/I156WE-)
16	Water	Hardness	SM 314B	I320 (00/I172MACS-)
16	Water	Nitrate	EPA 353.2	I390 (00/I191E)
16	Water	TOC	EPA 415.1	I106 (00/I131WE-)
16	Water	Turbidity[8]	EPA 180.1	I780 (00/I390E)
Miscellaneous				
11	Water	Semivolatiles	SW 3510/[6] SW 8270	OSVIXW (E290WBNAR-[6]/ 010WBNAIXR-)
10	Water	TCL Pesticides/PCBs	CLP	G120WC (E021WC-/G40WC-)
9	Water	Cyanide	CLP	I265WC (I05WTE-/I145WC-)
13	Water	Volatiles	SW 8240[7]	OVIXW (00/020WIXR-[6])
10	Water	Herbicides (2,4,5-TP Silvex)	SW 3510/ SW 8150	G130W (E330WR-/G55WR-)
9	Water	Gross Alpha/Gross Beta	EPA 900.0	R03W (R01WE-/R100WE-)
8	Water	Surfactants (MBAS)[8]	EPA 425.1	I770 (00/I385E)

TABLE 4-2
(Continued)

Estimated No. of Samples[1]	Matrix	Analyses	Method References[2]	Test Code[3] (PM/AM)
16	Water	BOD[8]	SM 507	I050 (00/I120WS-)
16	Water	Fluoride	SM 413B	I300 (00/I156WE-)
16	Water	Hardness	SM 314B	I320 (00/I172MACS-)
16	Water	Nitrate	EPA 353.2	I390 (00/I191E)
16	Water	TOC	EPA 415.1	I106 (00/I131WE-)
16	Water	Turbidity[8]	EPA 180.1	I780 (00/I390E)
Miscellaneous				
11	Water	Semivolatiles	SW 3510/[6] SW 8270	OSVIXW (E290WBNAR-[6]/ 010WBNAIXR-)
10	Water	TCL Pesticides/PCBs	CLP	G120WC (E021WC-/G40WC-)
9	Water	Cyanide	CLP	I265WC (I05WTE-/I145WC-)
13	Water	Volatiles	SW 8240[7]	OVIXW (00/020WIXR-[6])
10	Water	Herbicides (2,4,5-TP Silvex)	SW 3510/ SW 8150	G130W (E330WR-/G55WR-)
9	Water	Gross Alpha/Gross Beta	EPA 900.0	R03W (R01WE-/R100WE-)
8	Water	Surfactants (MBAS)[8]	EPA 425.1	I770 (00/I385E)

TABLE 4-2
(Continued)

[1] The approximate number of samples includes trip blanks, field blanks, rinsates and field duplicates. These numbers are estimates only and could vary depending on actual site conditions.

[2] Subject to the QA/QC and delivery requirements as specified in Sections 4.4 and 4.5. All reference methods for miscellaneous inorganics are approved in 40CFR136, "Guidelines Establishing Test Procedures for the Analysis of Pollutants."

[3] The preparation method and the analytical method to be used with each test code are listed in parentheses.

[4] The package code will be assigned for all metals. However, since not all metals on the Target Analyte List are required, the specific analytes will be entered under the subtask, during sample check-in.

[5] The list of target compounds is found on Table 4-3.

[6] The analytes will be deleted in the LIMS and replaced by "Data Package" during check-in. The GC/MS group will refer to the work plan for the list of target compounds. HAZWRAP Level C protocol will apply.

[7] The list of target compounds is found in Table 4-4.

[8] Samples may be sent to a local lab (in vicinity of Tinker AFB) due to holding time.

CLP refers to "Statement of Work for Organics Analysis, Multi-Media, Multi-Concentration," February 1988, revised September 1988, and "Statement of Work for Inorganics Analysis, Multi-Media, Multi-Concentration," SOW 788, July 1988.

EPA refers to "Methods for Chemical Analysis of Water and Wastes," EPA-600/4-79-020, March 1979, revised March 1983.

SM refers to "Standard Methods for the Examination of Water and Wastewater," APHA-AWWA-WPCF, 16th edition.

SW refers to "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," SW-846, 3rd edition.

TABLE 4-2
(Continued)

1 The approximate number of samples includes trip blanks, field blanks, rinsates and field duplicates. These numbers are estimates only and could vary depending on actual site conditions.

2 Subject to the QA/QC and delivery requirements as specified in Sections 4.4 and 4.5. All reference methods for miscellaneous inorganics are approved in 40CFR136, "Guidelines Establishing Test Procedures for the Analysis of Pollutants."

3 The preparation method and the analytical method to be used with each test code are listed in parentheses.

4 The package code will be assigned for all metals. However, since not all metals on the Target Analyte List are required, the specific analytes will be entered under the subtask, during sample check-in.

5 The list of target compounds is found on Table 4-3.

6 The analytes will be deleted in the LIMS and replaced by "Data Package" during check-in. The GC/MS group will refer to the work plan for the list of target compounds. HAZWRAP Level C protocol will apply.

7 The list of target compounds is found in Table 4-4.

8 Samples may be sent to a local lab (in vicinity of Tinker AFB) due to holding time.

CLP refers to "Statement of Work for Organics Analysis, Multi-Media, Multi-Concentration," February 1988, revised September 1988, and "Statement of Work for Inorganics Analysis, Multi-Media, Multi-Concentration," SOW 788, July 1988.

EPA refers to "Methods for Chemical Analysis of Water and Wastes," EPA-600/4-79-020, March 1979, revised March 1983.

SM refers to "Standard Methods for the Examination of Water and Wastewater," APHA-AWWA-WPCF, 16th edition.

SW refers to "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," SW-846, 3rd edition.

TABLE 4-3
TARGET LIST/SEMIVOLATILES

Acenaphthene
Acenaphthylene
Acetophenone
2-Acetylaminofluorene
4-Aminobiphenyl
Aniline
Anthracene
Aramite
Benzo(a)anthracene
Benzo(a)pyrene
Benzo(b)fluoranthene
Benzo(ghi)perylene
Benzo(k)fluoranthene
Benzyl alcohol
bis(2-Chloroethoxyl)methane
bis(2-Chloroethoxyl)ether
bis(2-Chloroisopropyl)ether
bis(2-Ethylhexyl)phthalate
4-Bromophenyl phenyl ether
Butylbenzyl phthalate
4-Chloroaniline
2-Chloronaphthalene
4-Chlorophenyl phenyl ether
Chrysene
Diallate
Dibenzo(a,h)anthracene
Dibenzofuran
1,2-Dibromo-3-chloropropane
1,2-Dichlorobenzene
1,3-Dichlorobenzene
1,4-Dichlorobenzene
3,3'Dichlorobenzidine
Diethyl phthalate
Dimethoate
p(Dimethylamino)azobenzene
3,3'-Dimethylbenzidine
7,12-Dimethylbenzo(a)anthracene
alpha,alpha-Dimethyl phenethylamine
Dimethyl phthalate
Di-n-butyl phthalate
m-Dinitrobenzene
2,4-Dinitrotoluene
2,6-Dinitrotoluene
Di-n-octyl phthalate
Diphenylamine
Ethyl methane sulfonate
Fluoranthene
Fluorene
Hexachlorobenzene
Hexachlorobutadiene
Hexachlorocyclopenadiene
Hexachloroethane
Hexachlorophene
Hexachloropropene
Indeno(1,2,3-cd)pyrene
Isophorone
Isosafrole
Methapyrilene
3-Methylcholanthrene
Methyl methanesulfonate
2-Methylnaphthalene
Naphthalene
1,4-Naphthoquinone
2-Naphthylamine
2-Nitroaniline
3-Nitroaniline
4-Nitroaniline
Nitrobenzene

TABLE 4-3
TARGET LIST/SEMIVOLATILES

Acenaphthene
Acenaphthylene
Acetophenone
2-Acetylaminofluorene
4-Aminobiphenyl
Aniline
Anthracene
Aramite
Benzo(a)anthracene
Benzo(a)pyrene
Benzo(b)fluoranthene
Benzo(ghi)perylene
Benzo(k)fluoranthene
Benzyl alcohol
bis(2-Chloroethoxyl)methane
bis(2-Chloroethoxyl)ether
bis(2-Chloroisopropyl)ether
bis(2-Ethylhexyl)phthalate
4-Bromophenyl phenyl ether
Butylbenzyl phthalate
4-Chloroaniline
2-Chloronaphthalene
4-Chlorophenyl phenyl ether
Chrysene
Diallate
Dibenzo(a,h)anthracene
Dibenzofuran
1,2-Dibromo-3-chloropropane
1,2-Dichlorobenzene
1,3-Dichlorobenzene
1,4-Dichlorobenzene
3,3'Dichlorobenzidine
Diethyl phthalate
Dimethoate
p(Dimethylamino)azobenzene
3,3'-Dimethylbenzidine
7,12-Dimethylbenzo(a)anthracene
alpha,alpha-Dimethyl phenethylamine
Dimethyl phthalate
Di-n-butyl phthalate
m-Dinitrobenzene
2,4-Dinitrotoluene
2,6-Dinitrotoluene
Di-n-octyl phthalate
Diphenylamine
Ethyl methane sulfonate
Fluoranthene
Fluorene
Hexachlorobenzene
Hexachlorobutadiene
Hexachlorocyclopenadiene
Hexachloroethane
Hexachlorophene
Hexachloropropene
Indeno(1,2,3-cd)pyrene
Isophorone
Isosafrole
Methapyrilene
3-Methylcholanthrene
Methyl methanesulfonate
2-Methylnaphthalene
Naphthalene
1,4-Naphthoquinone
2-Naphthylamine
2-Nitroaniline
3-Nitroaniline
4-Nitroaniline
Nitrobenzene

TABLE 4-3
TARGET LIST/SEMIVOLATILES
(Continued)

5-Nitro-o-toluidine
4-Nitroquinoline 1-oxide
N-Nitrosodiethylamine
N-Nitrosodimethylamine
N-Nitrosodi-n-butylamine
N-Nitrosodi-n-propylamine
N-Nitrosodiphenylamine
N-Nitrosomethylethylamine
N-Nitrosomorpholine
N-Nitrosopiperidine
N-Nitrosopyrrolidine
Pentachlorobenzene
Pentachloronitrobenzene
Phenacetin
Phenanthrene
2,6-Dichlorophenol
4,6-Dinitro-o-cresol
2-Methylphenol
4-Methylphenol
4-Nitrophenol
Phenol
2,4,5-Trichlorophenol
p-Phenylenediamine
2-Picoline
Pronamide
Pyrene
Pyridine
Safrole
1,2,4,5-Tetrachlorobenzene
1,2,4-Trichlorobenzene
0,0,0-Triethyl phorothioate
sym-Triitrobenzene
o-Toluidine
2-sec-Butyl-4,6-dinitrophenol
p-Chloro-m-cresol
2-Chlorophenol
2,4-Dichlorophenol
2,4-Dimethylphenol
2,4-Dinitrophenol
3-Methylphenol
2-Nitrophenol
Pentachlorophenol
2,3,4,6-Tetrachlorophenol
2,4,6-Trichlorophenol

TABLE 4-3
TARGET LIST/SEMIVOLATILES
(Continued)

5-Nitro-o-toluidine
4-Nitroquinoline 1-oxide
N-Nitrosodiethylamine
N-Nitrosodimethylamine
N-Nitrosodi-n-butylamine
N-Nitrosodi-n-propylamine
N-Nitrosodiphenylamine
N-Nitrosomethylethylamine
N-Nitrosomorpholine
N-Nitrosopiperidine
N-Nitrosopyrrolidine
Pentachlorobenzene
Pentachloronitrobenzene
Phenacetin
Phenanthrene
2,6-Dichlorophenol
4,6-Dinitro-o-cresol
2-Methylphenol
4-Methylphenol
4-Nitrophenol
Phenol
2,4,5-Trichlorophenol
p-Phenylenediamine
2-Picoline
Pronamide
Pyrene
Pyridine
Safrole
1,2,4,5-Tetrachlorobenzene
1,2,4-Trichlorobenzene
0,0,0-Triethyl phorothioate
sym-Triitrobenzene
o-Toluidine
2-sec-Butyl-4,6-dinitrophenol
p-Chloro-m-cresol
2-Chlorophenol
2,4-Dichlorophenol
2,4-Dimethylphenol
2,4-Dinitrophenol
3-Methylphenol
2-Nitrophenol
Pentachlorophenol
2,3,4,6-Tetrachlorophenol
2,4,6-Trichlorophenol

TABLE 4-4
TARGET LIST/VOLATILE ORGANICS

Acetone
Acrolein
Acrylonitrile
Allyl chloride
Benzene
Bromodichloromethane
Bromoform, Tribromomethane
Carbon disulfide
Carbon tetrachloride
Chlorobenzene
Chloroethane, Ethyl chloride
Chloroform
Chloroprene
Dibromochloromethane, Chlorodibromomethane
1,2-Dibromo-3-chloropropane, DBCP
1,2-Dibromoethane, Ethylene dibromide
trans-1,4-Dichloro-2-butene
Dichlorodifluoromethane
1,1-Dichloroethane
1,2-Dichloroethane, Ethylene dichloride
1,1-Dichloroethylene, Vinylidene chloride
trans-1,2-Dichloroethylene
1,2-Dichloropropane
cis-1,3-Dichloropropene
trans-1,3-Dichloropropene
Ethylbenzene
Ethyl methacrylate
2-Hexanone
Methacrylonitrile
Methyl bromide, Bromomethane
Methyl chloride, Chloromethane
Methylene bromide, Dibromomethane
Methylene chloride, Dichloromethane
Methyl ethyl ketone, MEK
Methyl iodide, Iodomethane
Methyl methacrylate
4-Methyl-2-pentanone, Methyl isobutyl ketone
Pentachloroethane
Propionitrile, Ethyl cyanide
Styrene
1,1,1,2-Tetrachloroethane
1,1,2,2-Tetrachloroethane
Tetrachloroethylene, Perchloroethylene, Tetrachloroethene
Toluene
1,1,1-Trichloroethane, Methyl chloroform
1,1,2-Trichloroethane
Trichloroethylene, Trichloroethene
Trichlorofluoromethane
1,2,3-Trichloropropane
Vinyl Acetate
Vinyl Chloride
Xylene (total)

TABLE 4-4
TARGET LIST/VOLATILE ORGANICS

Acetone
Acrolein
Acrylonitrile
Allyl chloride
Benzene
Bromodichloromethane
Bromoform, Tribromomethane
Carbon disulfide
Carbon tetrachloride
Chlorobenzene
Chloroethane, Ethyl chloride
Chloroform
Chloroprene
Dibromochloromethane, Chlorodibromomethane
1,2-Dibromo-3-chloropropane, DBCP
1,2-Dibromoethane, Ethylene dibromide
trans-1,4-Dichloro-2-butene
Dichlorodifluoromethane
1,1-Dichloroethane
1,2-Dichloroethane, Ethylene dichloride
1,1-Dichloroethylene, Vinylidene chloride
trans-1,2-Dichloroethylene
1,2-Dichloropropane
cis-1,3-Dichloropropene
trans-1,3-Dichloropropene
Ethylbenzene
Ethyl methacrylate
2-Hexanone
Methacrylonitrile
Methyl bromide, Bromomethane
Methyl chloride, Chloromethane
Methylene bromide, Dibromomethane
Methylene chloride, Dichloromethane
Methyl ethyl ketone, MEK
Methyl iodide, Iodomethane
Methyl methacrylate
4-Methyl-2-pentanone, Methyl isobutyl ketone
Pentachloroethane
Propionitrile, Ethyl cyanide
Styrene
1,1,1,2-Tetrachloroethane
1,1,2,2-Tetrachloroethane
Tetrachloroethylene, Perchloroethylene, Tetrachloroethene
Toluene
1,1,1-Trichloroethane, Methyl chloroform
1,1,2-Trichloroethane
Trichloroethylene, Trichloroethene
Trichlorofluoromethane
1,2,3-Trichloropropane
Vinyl Acetate
Vinyl Chloride
Xylene (total)

4.4 Quality Control Requirements

4.4.1 Metals, Cyanide, and Miscellaneous Inorganics

The quality control requirements for metals, cyanide, and miscellaneous inorganics are found in Section 11.0 of LSG's quality assurance project plan for HAZWRAP (revised 6/1/91). The requirements for this project are equivalent to HAZWRAP Level C. For metals, however, the list of required analytes does not include the complete TAL list.

4.4.2 Pesticides/PCBs and Herbicides

The quality control requirements will follow HAZWRAP Level C. These requirements are defined in Section 11.0 of LSG's quality assurance plan for HAZWRAP (revised 6/1/91). HAZWRAP Level C is comparable to the CLP protocol with the adidtional requirement of a blank spike for each batch (see HAZWRAP QA plan, Section 11.0).

4.4.3 Volatiles and Semivolatiles by GC/MS

The quality control requirements for volatiles and semivolatiles by GC/MS are defined in Section 11.0 of LSG's quality assurance plan for HAZWRAP (revised 6/1/91). The requirements for this project are equivalent to HAZWRAP Level C. A 5-point initial calibraton will be performed with all target analyties. A 1-point continuing calibration will apply to those compounds not on the Target Compound List (TCL). No specific acceptance criteria for continuing calibration have been established for these extra compounds.

4.4.4 Radiochemistry (Gross Alpha/Gross Beta)

The quality control requirements include the following with each batch.

- Method blank
- Blank spike
- Matrix spike/matrix spike duplicate

4.4 Quality Control Requirements

4.4.1 Metals, Cyanide, and Miscellaneous Inorganics

The quality control requirements for metals, cyanide, and miscellaneous inorganics are found in Section 11.0 of LSG's quality assurance project plan for HAZWRAP (revised 6/1/91). The requirements for this project are equivalent to HAZWRAP Level C. For metals, however, the list of required analytes does not include the complete TAL list.

4.4.2 Pesticides/PCBs and Herbicides

The quality control requirements will follow HAZWRAP Level C. These requirements are defined in Section 11.0 of LSG's quality assurance plan for HAZWRAP (revised 6/1/91). HAZWRAP Level C is comparable to the CLP protocol with the adidtional requirement of a blank spike for each batch (see HAZWRAP QA plan, Section 11.0).

4.4.3 Volatiles and Semivolatiles by GC/MS

The quality control requirements for volatiles and semivolatiles by GC/MS are defined in Section 11.0 of LSG's quality assurance plan for HAZWRAP (revised 6/1/91). The requirements for this project are equivalent to HAZWRAP Level C. A 5-point initial calibraton will be performed with all target analyties. A 1-point continuing calibration will apply to those compounds not on the Target Compound List (TCL). No specific acceptance criteria for continuing calibration have been established for these extra compounds.

4.4.4 Radiochemistry (Gross Alpha/Gross Beta)

The quality control requirements include the following with each batch.

- Method blank
- Blank spike
- Matrix spike/matrix spike duplicate

The acceptance criteria will be as specified in the "General Quality Assurance Plan."

4.5 Deliverables

The required deliverables are defined in Section 14.0 of the laboratory QA plan for HAZWRAP. All deliverables will follow the requirements for Level C protocol for all miscellaneous. For radiochemistry, the information provided for miscellaneous inorganics will apply. Data packages will be due 40 days from receipt of the last sample in a Sample Delivery Group.

4.6 Laboratory Sample Tracking

The laboratory sample tracking procedure is described in Section 6.0 of LSG's quality assurance plan for HAZWRAP. This procedure incorporates many of the requirements in Section QA-7 of LSG's "General Quality Assurance Plan." Specific protocols from QA-7 applicable to this project are:

4.6.1 Receipt of samples by CLP protocol (Section 3.2).

4.6.2 Direct tracking (Section 3.15.2).

4.7 Applicable Regulations and Codes

4.7.1 Comprehensive Environmental Response Compensation, and Liability Act (CERCLA)/USEPA Contract Laboratory Program (CLP) Statements of Work as defined in Section 4.3 of this work plan.

4.7.2 40CFR136, "Guidelines Establishing Test Procedures for the Analysis of Pollutants" - applicable to all holding times for all parameters and method references for miscellaneous inorganics parameters.

4.7.3 40CFR260-270, RCRA Guidelines for Identification and Disposal of Hazardous Wastes.

The acceptance criteria will be as specified in the "General Quality Assurance Plan."

4.5 Deliverables

The required deliverables are defined in Section 14.0 of the laboratory QA plan for HAZWRAP. All deliverables will follow the requirements for Level C protocol for all miscellaneous. For radiochemistry, the information provided for miscellaneous inorganics will apply. Data packages will be due 40 days from receipt of the last sample in a Sample Delivery Group.

4.6 Laboratory Sample Tracking

The laboratory sample tracking procedure is described in Section 6.0 of LSG's quality assurance plan for HAZWRAP. This procedure incorporates many of the requirements in Section QA-7 of LSG's "General Quality Assurance Plan." Specific protocols from QA-7 applicable to this project are:

4.6.1 Receipt of samples by CLP protocol (Section 3.2).

4.6.2 Direct tracking (Section 3.15.2).

4.7 Applicable Regulations and Codes

4.7.1 Comprehensive Environmental Response Compensation, and Liability Act (CERCLA)/USEPA Contract Laboratory Program (CLP) Statements of Work as defined in Section 4.3 of this work plan.

4.7.2 40CFR136, "Guidelines Establishing Test Procedures for the Analysis of Pollutants" - applicable to all holding times for all parameters and method references for miscellaneous inorganics parameters.

4.7.3 40CFR260-270, RCRA Guidelines for Identification and Disposal of Hazardous Wastes.

4.8 Applicable LSG Procedures and Plans

4.8.1 "Laboratory Quality Assurance Plan in Support of the DOE's Hazardous Waste Remedial Actions Program, Requirements for Quality Control of Analytical Data," Revision 4, June 1, 1991.

4.8.2 LSG's "General Quality Assurance Plan."

4.9 Training Requirements

Project-specific training will be conducted according to the procedures described in QA-17.

4.9.1 The LSG project manager will provide training to the LSG group leaders and assistant group leaders.

4.9.2 The LSG group leaders will ensure that LSG staff receive project-specific training.

4.10 Sample Disposal

All samples and extracts can be discarded 60 days after the final mail date for the data packages.

5.0 PROJECT RECORDS

LSG's routine procedures for generation, storage, retrieval, and retention of project records will apply to this project.

6.0 PROJECT CHARGES

Refer to Attachment A for unit rates for sample analyses. All reanalyses and/or dilutions will be billable if the reanalysis demonstrates sample matrix effects on the first run, and the first run was completed within holding times. All charges must be billed under Project/PMS No. 3K92-BC00.

4.8 Applicable LSG Procedures and Plans

4.8.1 "Laboratory Quality Assurance Plan in Support of the DOE's Hazardous Waste Remedial Actions Program, Requirements for Quality Control of Analytical Data," Revision 4, June 1, 1991.

4.8.2 LSG's "General Quality Assurance Plan."

4.9 Training Requirements

Project-specific training will be conducted according to the procedures described in QA-17.

4.9.1 The LSG project manager will provide training to the LSG group leaders and assistant group leaders.

4.9.2 The LSG group leaders will ensure that LSG staff receive project-specific training.

4.10 Sample Disposal

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5.0 PROJECT RECORDS

LSG's routine procedures for generation, storage, retrieval, and retention of project records will apply to this project.

6.0 PROJECT CHARGES

Refer to Attachment A for unit rates for sample analyses. All reanalyses and/or dilutions will be billable if the reanalysis demonstrates sample matrix effects on the first run, and the first run was completed within holding times. All charges must be billed under Project/PMS No. 3K92-BC00.

The address to appear on all reports and invoices is:

Tinker Air Force Base - c/o HALLIBURTON NUS Environmental Corporation
800 Oak Ridge Turnpike
Oak Ridge, Tennessee 37830
Attention: Phillip Ottinger

7.0 WORK PLAN DISTRIBUTION

With Attachment A

1 M. Bartolovic
1 M. Booska
1 T. Carnegie
1 D. Drzik
1 P. Frank
1 P. Lynch
1 L. Manning
1 D. Meyer
1 P. Ottinger
1 S. Parrish/Client File
1 J. Simanic

Without Attachment A

2 R. Capp/GC Lab File
2 T. Colbert/Inorganic Lab
1 D. Del Prete
4 C. Kieda/GC/MS Lab/GC/MS-Aquis/GC/MS Red/Organic Extraction
1 E. Kinley
3 C. Kovach/Metals Lab/Metals Prep Lab
1 R. Lynch
1 P. Papenmeier
1 J. Samchuck
1 P. Saracena
1 E. Scoullos
1 R. Whartenby

The address to appear on all reports and invoices is:

Tinker Air Force Base - c/o HALLIBURTON NUS Environmental Corporation
800 Oak Ridge Turnpike
Oak Ridge, Tennessee 37830
Attention: Phillip Ottinger

7.0 WORK PLAN DISTRIBUTION

With Attachment A

1 M. Bartolovic
1 M. Booska
1 T. Carnegie
1 D. Drzik
1 P. Frank
1 P. Lynch
1 L. Manning
1 D. Meyer
1 P. Ottinger
1 S. Parrish/Client File
1 J. Simanic

Without Attachment A

2 R. Capp/GC Lab File
2 T. Colbert/Inorganic Lab
1 D. Del Prete
4 C. Kieda/GC/MS Lab/GC/MS-Aquis/ GC/MS Red/Organic Extraction
1 E. Kinley
3 C. Kovach/Metals Lab/Metals Prep Lab
1 R. Lynch
1 P. Papenmeier
1 J. Samchuck
1 P. Saracena
1 E. Scoullos
1 R. Whartenby

ATTACHMENT A

SAMPLE CHARGES

ATTACHMENT A

SAMPLE CHARGES

TABLE 1
ESTIMATED COSTS
TINKER AIR FORCE BASE
PROJECT NO. 3K92-BC00

Parameter	Cost Per Sample	Estimated No. of Samples[1]	Estimated Total Cost
Soil Samples			
A. Contaminant Indicators			
Alkalinity, total	$24.00	19	$ 456.00
Nitrate (as N)	26.00	19	494.00
pH	------[2]	19	------
Total Organic Carbon (TOC)	27.20	19	516.80
Total Organic Halogens (EOX)	125.00	19	2,375.00
Estimated Total (A)			**$3,841.80**
B. Metals	$322.32	13	$4,190.16
Estimated Total (B)			**$4,190.16**
C. Miscellaneous Organics			
Semivolatile Organics	$584.00	12	$ 7,008.00
Gross Alpha/Gross Beta	80.00	9	720.00
TCL Pesticides/PCBs	272.00	11	2,992.00
Cyanide	38.25	10	382.50
Grain Size (Sieve and Hydrometer)	100.00	8	800.00
Estimated Total (C)			**$11,902.50**
Estimated Total for Soil Samples			**$19,934.46**
Water Samples			
A. Contaminant Indicators			
Alkalinity, Total	$ 8.00	18	$ 144.00
BOD	25.00	18	450.00

TABLE 1
ESTIMATED COSTS
TINKER AIR FORCE BASE
PROJECT NO. 3K92-BC00

Parameter	Cost Per Sample	Estimated No. of Samples[1]	Estimated Total Cost
Soil Samples			
A. Contaminant Indicators			
Alkalinity, total	$24.00	19	$ 456.00
Nitrate (as N)	26.00	19	494.00
pH	------[2]	19	------
Total Organic Carbon (TOC)	27.20	19	516.80
Total Organic Halogens (EOX)	125.00	19	2,375.00
Estimated Total (A)			**$3,841.80**
B. Metals	$322.32	13	$4,190.16
Estimated Total (B)			**$4,190.16**
C. Miscellaneous Organics			
Semivolatile Organics	$584.00	12	$ 7,008.00
Gross Alpha/Gross Beta	80.00	9	720.00
TCL Pesticides/PCBs	272.00	11	2,992.00
Cyanide	38.25	10	382.50
Grain Size (Sieve and Hydrometer)	100.00	8	800.00
Estimated Total (C)			**$11,902.50**
Estimated Total for Soil Samples			**$19,934.46**
Water Samples			
A. Contaminant Indicators			
Alkalinity, Total	$ 8.00	18	$ 144.00
BOD	25.00	18	450.00

TABLE 2
ADDITIONAL BILLABLE CHARGES
TINKER AIR FORCE BASE
ZONE 1/IWTP STUDY
PROJECT NO. 3K92-BC00

PARAMETER	COST PER SAMPLE
Volatiles (no TICs)	$297.00[1]
Semivolatiles (no TICs)	
• Dilutions	432.00
• Reanalysis (with extraction)	584.00
• Reanalysis (without extraction)	432.00
• Extraction only	152.00
Pesticides/PCBs (Soil)	
• Dilutions	174.84
• Reanalysis (with extraction)	272.00
• Reanalysis (without extraction)	174.84
• Extraction Only	97.16
Pesticides/PCBs (Water)	
• Dilutions	155.17
• Reanalysis (with extraction)	241.40
• Reanalysis (without extraction)	155.17
• Extraction Only	86.23

[1] This price applies to dilutions and reanalyses.

TABLE 2
ADDITIONAL BILLABLE CHARGES
TINKER AIR FORCE BASE
ZONE 1/IWTP STUDY
PROJECT NO. 3K92-BC00

PARAMETER	COST PER SAMPLE
Volatiles (no TICs)	$297.00[1]
Semivolatiles (no TICs)	
• Dilutions	432.00
• Reanalysis (with extraction)	584.00
• Reanalysis (without extraction)	432.00
• Extraction only	152.00
Pesticides/PCBs (Soil)	
• Dilutions	174.84
• Reanalysis (with extraction)	272.00
• Reanalysis (without extraction)	174.84
• Extraction Only	97.16
Pesticides/PCBs (Water)	
• Dilutions	155.17
• Reanalysis (with extraction)	241.40
• Reanalysis (without extraction)	155.17
• Extraction Only	86.23

[1] This price applies to dilutions and reanalyses.

TABLE 1
ESTIMATED COSTS
TINKER AIR FORCE BASE
PROJECT NO. 3K92-BC00
PAGE 3

Parameter	Cost Per Sample	Estimated No. of Samples[1]	Estimated Total Cost
Estimated Total for Water Samples			$25,902.54
ESTIMATED TOTAL (SOIL AND WATER)			$45,837.00[3]

1 The estimated numbers of samples include the approximate numbers of matrix spike/matrix spike duplicates (or duplicate) analyses that will be required.

2 Included in charge for alkalinity.

3 Some additional charges, which LSG cannot predict, may be appropriate. These charges include billable dilutions and/or reanalyses that are required to comply with protocol.

TABLE 1
ESTIMATED COSTS
TINKER AIR FORCE BASE
PROJECT NO. 3K92-BC00
PAGE 3

Parameter	Cost Per Sample	Estimated No. of Samples[1]	Estimated Total Cost
Estimated Total for Water Samples			$25,902.54
ESTIMATED TOTAL (SOIL AND WATER)			$45,837.00[3]

1 The estimated numbers of samples include the approximate numbers of matrix spike/matrix spike duplicates (or duplicate) analyses that will be required.

2 Included in charge for alkalinity.

3 Some additional charges, which LSG cannot predict, may be appropriate. These charges include billable dilutions and/or reanalyses that are required to comply with protocol.

TABLE 1
ESTIMATED COSTS
TINKER AIR FORCE BASE
PROJECT NO. 3K92-BC00
PAGE 2

Parameter	Cost Per Sample	Estimated No. of Samples[1]	Estimated Total Cost
COD	$ 20.00	18	$ 360.00
Chloride	6.80	18	122.40
Total Dissolved Solids	8.16	18	146.88
Fluoride	8.16	18	146.88
Hardness	8.00	18	144.00
Nitrate	16.00	18	288.00
Total Suspended Solids	12.00	18	216.00
TOC	20.00	18	360.00
Turbidity	15.00	18	270.00
Estimated Total (A)			**$ 2,648.16**
B. Metals	$316.88	16	$ 5,070.08
Estimated Total (B)			**$ 5,070.08**
C. Miscellaneous			
Volaitle Organics	$297.00	15	$ 4,455.00
Semivolatile Organics	584.00	13	7,592.00
Pesticides/PCBs	241.40	12	2,896.80
Herbicides (2,4,5-TP Silvex)	175.00	12	2,100.00
Cyanide	25.50	11	280.50
Gross Alpha/Gross Beta	60.00	11	660.00
Surfactants (MBAS)	20.00	10	200.00
Estimated Total (C)			**$18,184.30**

TABLE 1
ESTIMATED COSTS
TINKER AIR FORCE BASE
PROJECT NO. 3K92-BC00
PAGE 2

Parameter	Cost Per Sample	Estimated No. of Samples[1]	Estimated Total Cost
COD	$ 20.00	18	$ 360.00
Chloride	6.80	18	122.40
Total Dissolved Solids	8.16	18	146.88
Fluoride	8.16	18	146.88
Hardness	8.00	18	144.00
Nitrate	16.00	18	288.00
Total Suspended Solids	12.00	18	216.00
TOC	20.00	18	360.00
Turbidity	15.00	18	270.00
Estimated Total (A)			**$ 2,648.16**
B. Metals	$316.88	16	$ 5,070.08
Estimated Total (B)			**$ 5,070.08**
C. Miscellaneous			
Volaitle Organics	$297.00	15	$ 4,455.00
Semivolatile Organics	584.00	13	7,592.00
Pesticides/PCBs	241.40	12	2,896.80
Herbicides (2,4,5-TP Silvex)	175.00	12	2,100.00
Cyanide	25.50	11	280.50
Gross Alpha/Gross Beta	60.00	11	660.00
Surfactants (MBAS)	20.00	10	200.00
Estimated Total (C)			**$18,184.30**

TABLE 1
ESTIMATED COSTS
TINKER AIR FORCE BASE
PROJECT NO. 3K92-BC00
PAGE 2

Parameter	Cost Per Sample	Estimated No. of Samples[1]	Estimated Total Cost
COD	$ 20.00	18	$ 360.00
Chloride	6.80	18	122.40
Total Dissolved Solids	8.16	18	146.88
Fluoride	8.16	18	146.88
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Nitrate	16.00	18	288.00
Total Suspended Solids	12.00	18	216.00
TOC	20.00	18	360.00
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Estimated Total (A)			**$ 2,648.16**
B. Metals	$316.88	16	$ 5,070.08
Estimated Total (B)			**$ 5,070.08**
C. Miscellaneous			
Volaitle Organics	$297.00	15	$ 4,455.00
Semivolatile Organics	584.00	13	7,592.00
Pesticides/PCBs	241.40	12	2,896.80
Herbicides (2,4,5-TP Silvex)	175.00	12	2,100.00
Cyanide	25.50	11	280.50
Gross Alpha/Gross Beta	60.00	11	660.00
Surfactants (MBAS)	20.00	10	200.00
Estimated Total (C)			**$18,184.30**

TABLE 1
ESTIMATED COSTS
TINKER AIR FORCE BASE
PROJECT NO. 3K92-BC00
PAGE 2

Parameter	Cost Per Sample	Estimated No. of Samples[1]	Estimated Total Cost
COD	$ 20.00	18	$ 360.00
Chloride	6.80	18	122.40
Total Dissolved Solids	8.16	18	146.88
Fluoride	8.16	18	146.88
Hardness	8.00	18	144.00
Nitrate	16.00	18	288.00
Total Suspended Solids	12.00	18	216.00
TOC	20.00	18	360.00
Turbidity	15.00	18	270.00
Estimated Total (A)			**$ 2,648.16**
B. Metals	$316.88	16	$ 5,070.08
Estimated Total (B)			**$ 5,070.08**
C. Miscellaneous			
Volaitle Organics	$297.00	15	$ 4,455.00
Semivolatile Organics	584.00	13	7,592.00
Pesticides/PCBs	241.40	12	2,896.80
Herbicides (2,4,5-TP Silvex)	175.00	12	2,100.00
Cyanide	25.50	11	280.50
Gross Alpha/Gross Beta	60.00	11	660.00
Surfactants (MBAS)	20.00	10	200.00
Estimated Total (C)			**$18,184.30**

APPENDIX E

LABORATORY ANALYSIS DATA SHEETS

APPENDIX E

LABORATORY ANALYSIS DATA SHEETS

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E-1

INORGANICS IN SEDIMENT - JULY 1991

E-1

INORGANICS IN SEDIMENT - JULY 1991

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U.S. EPA - CLP

EPA SAMPLE NO.

1

INORGANIC ANALYSIS DATA SHEET

TKCSD1

Lab Name: NUS Laboratory Contract: Tinker AFB

Lab Code: Case No.: TNK SAS No.: SDG No.: PKG2

Matrix (soil/water): SOIL Lab Sample ID: H174376

Level (low/med): LOW Date Received: 07/06/91

% Solids: 78.8

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	2620			P
7440-36-0	Antimony	0.76	U	UJ	P
7440-38-2	Arsenic	0.60	U	J	P
7440-39-3	Barium	2060		J	P
7440-41-7	Beryllium	1.0	U	U	P
7440-43-9	Cadmium	0.76	U		P
7440-70-2	Calcium	41700			P
7440-47-3	Chromium	7.9			P
7440-48-4	Cobalt	7.1	U	U	P
7440-50-8	Copper	3.9	U	J	P
7439-89-6	Iron	5680		J	P
7439-92-1	Lead	49.4			P
7439-95-4	Magnesium	3410		J	P
7439-96-5	Manganese	522		J	P
7439-97-6	Mercury	0.06	U		CV
7440-02-0	Nickel	12.4		U	P
7440-09-7	Potassium	375	U		P
7782-49-2	Selenium	0.25	U		P
7440-22-4	Silver	1.2	U		P
7440-23-5	Sodium	688	U	UJ	P
7440-28-0	Thallium	0.50	U	UJ	P
7440-62-2	Vanadium	3.1	U	J	P
7440-66-6	Zinc	31.7			P
	Cyanide				NR
7440-42-8	Boron	25.5	U	UJ	P
7440-24-6	Strontium	25.5	U		P

Color Before: BROWN Clarity Before: Texture: COARSE

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
CLIENT ID: TKC-SD01-E-0000

U.S. EPA - CLP

EPA SAMPLE NO.

1

INORGANIC ANALYSIS DATA SHEET

TKCSD1

Lab Name: NUS Laboratory Contract: Tinker AFB

Lab Code: Case No.: TNK SAS No.: SDG No.: PKG2

Matrix (soil/water): SOIL Lab Sample ID: H174376

Level (low/med): LOW Date Received: 07/06/91

% Solids: 78.8

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	2620			P
7440-36-0	Antimony	0.76	U	UJ	P
7440-38-2	Arsenic	0.60	U	J	P
7440-39-3	Barium	2060		J	P
7440-41-7	Beryllium	1.0	U	U	P
7440-43-9	Cadmium	0.76	U		P
7440-70-2	Calcium	41700			P
7440-47-3	Chromium	7.9			P
7440-48-4	Cobalt	7.1	U	U	P
7440-50-8	Copper	3.9	U	J	P
7439-89-6	Iron	5680		J	P
7439-92-1	Lead	49.4			P
7439-95-4	Magnesium	3410		J	P
7439-96-5	Manganese	522		J	P
7439-97-6	Mercury	0.06	U		CV
7440-02-0	Nickel	12.4		U	P
7440-09-7	Potassium	375	U		P
7782-49-2	Selenium	0.25	U		P
7440-22-4	Silver	1.2	U		P
7440-23-5	Sodium	688	U	UJ	P
7440-28-0	Thallium	0.50	U	UJ	P
7440-62-2	Vanadium	3.1	U	J	P
7440-66-6	Zinc	31.7			P
	Cyanide				NR
7440-42-8	Boron	25.5	U	UJ	P
7440-24-6	Strontium	25.5	U		P

Color Before: BROWN Clarity Before: Texture: COARSE

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
CLIENT ID: TKC-SD01-E-0000

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

TKCSD1E

Lab Name: NUS CORPORATION Contract: _____

Lab Code: NUS___ Case No.: TNK___ SAS No.: _____ SDG No.: PKG2__

Matrix (soil/water): SOIL_ Lab Sample ID: P167566___

Level (low/med): _____ Date Received: 07/04/91

% Solids: _78.8

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_				NR
7440-36-0	Antimony_				NR
7440-38-2	Arsenic__				NR
7440-39-3	Barium___				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium__				NR
7440-70-2	Calcium__				NR
7440-47-3	Chromium_				NR
7440-48-4	Cobalt___				NR
7440-50-8	Copper___				NR
7439-89-6	Iron____				NR
7439-92-1	Lead____				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury__				NR
7440-02-0	Nickel___				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium_				NR
7440-22-4	Silver___				NR
7440-23-5	Sodium___				NR
7440-28-0	Thallium_				NR
7440-62-2	Vanadium_				NR
7440-66-6	Zinc____				NR
---------	Cyanide__	0.63	U		C_

Color Before: BROWN____ Clarity Before: _____ Texture: MED___

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: ___

Comments: TKC-SD01-E-0000

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1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

TKCSD1E

Lab Name: NUS CORPORATION Contract: _____

Lab Code: NUS___ Case No.: TNK___ SAS No.: _____ SDG No.: PKG2__

Matrix (soil/water): SOIL_ Lab Sample ID: P167566___

Level (low/med): _____ Date Received: 07/04/91

% Solids: _78.8

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_				NR
7440-36-0	Antimony_				NR
7440-38-2	Arsenic__				NR
7440-39-3	Barium___				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium__				NR
7440-70-2	Calcium__				NR
7440-47-3	Chromium_				NR
7440-48-4	Cobalt___				NR
7440-50-8	Copper___				NR
7439-89-6	Iron_____				NR
7439-92-1	Lead_____				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury__				NR
7440-02-0	Nickel___				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium_				NR
7440-22-4	Silver___				NR
7440-23-5	Sodium___				NR
7440-28-0	Thallium_				NR
7440-62-2	Vanadium_				NR
7440-66-6	Zinc_____				NR
---------	Cyanide__	0.63	U		C

Color Before: BROWN____ Clarity Before: _____ Texture: MED___

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: ___

Comments: TKC-SD01-E-0000

U.S. EPA - CLP

EPA SAMPLE N

TKCSD2

INORGANIC ANALYSIS DATA SHEET

Lab Name: NUS Laboratory Contract: Tinker AFB

Lab Code: Case No.: TNK SAS No.: SDG No.: PKG2

Matrix (soil/water): SOIL Lab Sample ID: H174381

Level (low/med): LOW Date Received: 07/06/91

% Solids: 78.1

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	0.96	~~E~~	J	F
7440-38-2	Arsenic	1.2	~~E~~	J	F
7440-39-3	Barium	545		J	P
7440-41-7	Beryllium	0.93	~~B~~	U	P
7440-43-9	Cadmium	0.76	U		P
7440-70-2	Calcium				NR
7440-47-3	Chromium	16.1			P
7440-48-4	Cobalt	10.0	~~E~~	U	P
7440-50-8	Copper	10.1			P
7439-89-6	Iron				NR
7439-92-1	Lead	14.3			F
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.06	~~E~~		CV
7440-02-0	Nickel	13.0		U	P
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.26	U		F
7440-22-4	Silver	1.3	U		P
7440-23-5	Sodium				NR
7440-28-0	Thallium	0.49	~~UWW~~	UJ	F
7440-62-2	Vanadium	31.0		J	P
7440-66-6	Zinc	54.7			P
	Cyanide				NR
7440-42-8	Boron				NR
7440-24-6	Strontium				NR

Color Before: BROWN Clarity Before: Texture: COAR

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
CLIENT ID: TKC-SD02-E-0000

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EPA SAMPLE N.

TKCSD2

INORGANIC ANALYSIS DATA SHEET

Lab Name: NUS Laboratory Contract: Tinker AFB

Lab Code: Case No.: TNK SAS No.: SDG No.: PKG2

Matrix (soil/water): SOIL Lab Sample ID: H174381

Level (low/med): LOW Date Received: 07/06/91

% Solids: 78.1

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	0.96	~~B~~	J	P
7440-38-2	Arsenic	1.2	~~B~~	J	P
7440-39-3	Barium	545	~~B~~	J	P
7440-41-7	Beryllium	0.93	~~B~~	U	P
7440-43-9	Cadmium	0.76	U		P
7440-70-2	Calcium				NR
7440-47-3	Chromium	16.1			P
7440-48-4	Cobalt	10.0	~~B~~	U	P
7440-50-8	Copper	10.1			P
7439-89-6	Iron				NR
7439-92-1	Lead	14.3			P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.06	~~B~~		CV
7440-02-0	Nickel	13.0		U	P
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.26	U		P
7440-22-4	Silver	1.3	U		P
7440-23-5	Sodium				NR
7440-28-0	Thallium	0.49	~~UJ~~	UJ	P
7440-62-2	Vanadium	31.0		J	P
7440-66-6	Zinc	54.7			P
	Cyanide				NR
7440-42-8	Boron				NR
7440-24-6	Strontium				NR

Color Before: BROWN Clarity Before: Texture: COAR

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
CLIENT ID: TKC-SD02-E-0000

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

TKCS.

Lab Name: NUS Laboratory Contract: Tinker AFB

Lab Code: Case No.: TNK SAS No.: SDG No.: PKG2

Matrix (soil/water): SOIL Lab Sample ID: H174379

Level (low/med): LOW Date Received: 07/06/91

% Solids: 80.8

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	0.74	~~U~~	UJ	P
7440-38-2	Arsenic	2.2	~~U~~	J	P
7440-39-3	Barium	561		~~J~~ J	P
7440-41-7	Beryllium	0.98	~~U~~	U	P
7440-43-9	Cadmium	1.0	~~U~~	U	P
7440-70-2	Calcium				NR
7440-47-3	Chromium	10.6			P
7440-48-4	Cobalt	8.8	~~U~~	U	P
7440-50-8	Copper	5.0	~~U~~	J	P
7439-89-6	Iron				NR
7439-92-1	Lead	15.4			F
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.05	U		CV
7440-02-0	Nickel	6.6	~~U~~	U	P
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.24	U		F
7440-22-4	Silver	1.2	U		P
7440-23-5	Sodium				NR
7440-28-0	Thallium	0.47	~~U~~	UJ	F
7440-62-2	Vanadium	21.1		J	P
7440-66-6	Zinc	46.6			P
	Cyanide				NR
7440-42-8	Boron				NR
7440-24-6	Strontium				NR

Color Before: BROWN Clarity Before: Texture: COARS

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
CLIENT ID: TKC-SD03-E-0000

U.S. EPA - CLP

EPA SAMPLE NO.

TKCS.

1

INORGANIC ANALYSIS DATA SHEET

Lab Name: NUS Laboratory Contract: Tinker AFB

Lab Code: Case No.: TNK SAS No.: SDG No.: PK62

Matrix (soil/water): SOIL Lab Sample ID: H174379

Level (low/med): LOW Date Received: 07/06/91

% Solids: 80.8

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	0.74	~~U~~	UJ	P
7440-38-2	Arsenic	2.2	~~U~~	J	P
7440-39-3	Barium	561		~~N~~ J	P
7440-41-7	Beryllium	0.98	~~U~~	U	P
7440-43-9	Cadmium	1.0	~~U~~	U	P
7440-70-2	Calcium				NR
7440-47-3	Chromium	10.6			P
7440-48-4	Cobalt	8.8	~~U~~	J	P
7440-50-8	Copper	5.0	~~U~~	J	P
7439-89-6	Iron				NR
7439-92-1	Lead	15.4			P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.05	U		CV
7440-02-0	Nickel	6.6	~~U~~	U	P
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.24	U		P
7440-22-4	Silver	1.2	U		P
7440-23-5	Sodium				NR
7440-28-0	Thallium	0.47	~~U~~	UJ	P
7440-62-2	Vanadium	21.1		J	P
7440-66-6	Zinc	46.6			P
	Cyanide				NR
7440-42-8	Boron				NR
7440-24-6	Strontium				NR

Color Before: BROWN Clarity Before: Texture: COARS

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
CLIENT ID: TKC-SD03-E-0000

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

TKCSD4

Lab Name: NUS Laboratory Contract: Tinker AFB

Lab Code: Case No.: TNK SAS No.: SDG No.: PKG2

Matrix (soil/water): SOIL Lab Sample ID: H174380

Level (low/med): LOW Date Received: 07/06/91

% Solids: 75.3

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	0.79	~~U~~	UJ	F
7440-38-2	Arsenic	1.5	~~U~~	J	F
7440-39-3	Barium	354	~~N~~	J	F
7440-41-7	Beryllium	0.79	~~U~~	U	F
7440-43-9	Cadmium	1.8		U	F
7440-70-2	Calcium				NR
7440-47-3	Chromium	16.5			F
7440-48-4	Cobalt	9.7	~~U~~	U	F
7440-50-8	Copper	14.7			F
7439-89-6	Iron				NR
7439-92-1	Lead	62.4			F
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.07	U		CV
7440-02-0	Nickel	10.4	~~U~~	U	F
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.27	U		F
7440-22-4	Silver	1.3	U		F
7440-23-5	Sodium				NR
7440-28-0	Thallium	0.53	~~UW~~	UJ	F
7440-62-2	Vanadium	18.2		J	F
7440-66-6	Zinc	60.4			F
	Cyanide				NR
7440-42-8	Boron				NR
7440-24-6	Strontium				NR

Color Before: BROWN Clarity Before: Texture: COARS

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
CLIENT ID: TKC-SD04-E-0000

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

TKCSD4

Lab Name: NUS Laboratory Contract: Tinker AFB

Lab Code: Case No.: TNK SAS No.: SDG No.: PKG2

Matrix (soil/water): SOIL Lab Sample ID: H174380

Level (low/med): LOW Date Received: 07/06/91

% Solids: 75.3

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	0.79	~~U~~	UJ	F
7440-38-2	Arsenic	1.5	~~B~~	J	F
7440-39-3	Barium	354		J	P
7440-41-7	Beryllium	0.79	~~B~~	U	P
7440-43-9	Cadmium	1.8		U	P
7440-70-2	Calcium				NR
7440-47-3	Chromium	16.5			P
7440-48-4	Cobalt	9.7	~~B~~	U	P
7440-50-8	Copper	14.7			P
7439-89-6	Iron				NR
7439-92-1	Lead	62.4			F
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.07	U		CV
7440-02-0	Nickel	10.4	~~B~~	U	P
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.27	U		F
7440-22-4	Silver	1.3	U		P
7440-23-5	Sodium				NR
7440-28-0	Thallium	0.53	~~B~~	UJ	F
7440-62-2	Vanadium	18.2		J	P
7440-66-6	Zinc	60.4			P
	Cyanide				NR
7440-42-8	Boron				NR
7440-24-6	Strontium				NR

Color Before: BROWN Clarity Before: Texture: COARS

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
CLIENT ID: TKC-SD04-E-0000

EPA SAMPLE N

TNC

INORGANIC ANALYSIS DATA SHEET

Lab Name: NUS Laboratory Contract: Tinker AFB

Lab Code: Case No.: TNK SAS No.: SDG No.: FK63

Matrix (soil/water): SOIL Lab Sample ID: H174396

Level (low/med): LOW Date Received: 07/09/91

% Solids: 71.8

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	0.80		UJ	P
7440-38-2	Arsenic	3.2		J	P
7440-39-3	Barium	248		J	P
7440-41-7	Beryllium	0.37		U	P
7440-43-9	Cadmium	0.80		UJ	P
7440-70-2	Calcium				NR
7440-47-3	Chromium	29.4		J	P
7440-48-4	Cobalt	5.3		U	P
7440-50-8	Copper	14.6			P
7439-89-6	Iron				NR
7439-92-1	Lead	47.3		J	P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.06	U		CV
7440-02-0	Nickel	9.0		U	P
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.28		UJ	P
7440-22-4	Silver	1.4		R	P
7440-23-5	Sodium				NR
7440-28-0	Thallium	0.53		UJ	P
7440-62-2	Vanadium	8.6			P
7440-66-6	Zinc	94.7			P
	Cyanide				NR
7440-42-8	Boron				NR
7440-24-6	Strontium				NR

Color Before: BROWN Clarity Before: Texture: COARS

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
CLIENT ID: TKC-SD05-E-0000

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

TPC

Lab Name: NUS Laboratory Contract: Tinker AFB

Lab Code: Case No.: TNK SAS No.: SDG No.: PRG

Matrix (soil/water): SOIL Lab Sample ID: H174386

Level (low/med): LOW Date Received: 07/09/9

% Solids: 71.8

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	0.80		UJ	F
7440-38-2	Arsenic	3.2		J	F
7440-39-3	Barium	248		J	P
7440-41-7	Beryllium	0.37		U	P
7440-43-9	Cadmium	0.80		UJ	P
7440-70-2	Calcium				NR
7440-47-3	Chromium	29.4		J	P
7440-48-4	Cobalt	5.3		U	P
7440-50-8	Copper	14.6			P
7439-89-6	Iron				NR
7439-92-1	Lead	47.3		J	F
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.06	U		CV
7440-02-0	Nickel	9.0		U	P
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.28		UJ	F
7440-22-4	Silver	1.4		R	P
7440-23-5	Sodium				NR
7440-28-0	Thallium	0.53		UJ	F
7440-62-2	Vanadium	8.6			P
7440-66-6	Zinc	94.7			P
	Cyanide				NR
7440-42-8	Boron				NR
7440-24-6	Strontium				NR

Color Before: BROWN Clarity Before: Texture: COARS

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
CLIENT ID: TPC-SD05-E-0000

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

TCCSD6

Lab Name: NUS Laboratory Contract: Tinker AFB

Lab Code: Case No.: TNK SAS No.: SDG No.: PKG2

Matrix (soil/water): SOIL Lab Sample ID: H174373

Level (low/med): LOW Date Received: 07/06/91

% Solids: 77.8

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	2170			P
7440-36-0	Antimony	0.76		UJ	P
7440-38-2	Arsenic	0.92		J	P
7440-39-3	Barium	2240		J	P
7440-41-7	Beryllium	0.99		U	P
7440-43-9	Cadmium	0.76	U		P
7440-70-2	Calcium	13400			P
7440-47-3	Chromium	8.2			P
7440-48-4	Cobalt	4.6		U	P
7440-50-8	Copper	2.5		UJ	P
7439-89-6	Iron	2690		J	P
7439-92-1	Lead	3.7			P
7439-95-4	Magnesium	4790		J	P
7439-96-5	Manganese	373		J	P
7439-97-6	Mercury	0.07	U		CV
7440-02-0	Nickel	9.3		U	P
7440-09-7	Potassium	274			P
7782-49-2	Selenium	0.26	U		F
7440-22-4	Silver	1.3	U		P
7440-23-5	Sodium	683		UJ	P
7440-28-0	Thallium	0.51		UJ	F
7440-62-2	Vanadium	2.3		UJ	P
7440-66-6	Zinc	12.9		U	P
	Cyanide				NR
7440-42-8	Boron	25.3		UJ	P
7440-24-6	Strontium	25.3	U		P

Color Before: BROWN Clarity Before: Texture: COARSE

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
CLIENT ID: TCC-SD06-E-0000

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

TCCSD6

Lab Name: NUS Laboratory Contract: Tinker AFB

Lab Code: Case No.: TNK SAS No.: SDG No.: PKG2

Matrix (soil/water): SOIL Lab Sample ID: H174373

Level (low/med): LOW Date Received: 07/06/91

% Solids: 77.8

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	2170			P
7440-36-0	Antimony	0.76		UJ	F
7440-38-2	Arsenic	0.92		J	F
7440-39-3	Barium	2240		J	P
7440-41-7	Beryllium	0.99		U	P
7440-43-9	Cadmium	0.76	U		P
7440-70-2	Calcium	13400			P
7440-47-3	Chromium	8.2			P
7440-48-4	Cobalt	4.6		U	P
7440-50-8	Copper	2.5		UJ	P
7439-89-6	Iron	2690		J	P
7439-92-1	Lead	3.7			F
7439-95-4	Magnesium	4790		J	P
7439-96-5	Manganese	373		J	P
7439-97-6	Mercury	0.07	U		CV
7440-02-0	Nickel	9.3		U	P
7440-09-7	Potassium	274			P
7782-49-2	Selenium	0.26	U		F
7440-22-4	Silver	1.3	U		P
7440-23-5	Sodium	683		UJ	P
7440-28-0	Thallium	0.51	UW	UJ	F
7440-62-2	Vanadium	2.3		UJ	P
7440-66-6	Zinc	12.9		U	P
	Cyanide				NR
7440-42-8	Boron	25.3		UJ	P
7440-24-6	Strontium	25.3	U		P

Color Before: BROWN Clarity Before: Texture: COARSE

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
CLIENT ID: TCC-SD06-E-0000

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

TCCSD6E

Lab Name: NUS CORPORATION Contract: _____

Lab Code: NUS Case No.: TNK SAS No.: _____ SDG No.: PKG2

Matrix (soil/water): SOIL Lab Sample ID: P167563

Level (low/med): _____ Date Received: 07/05/91

% Solids: 77.8

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
---------	Cyanide	0.64	U		C

Color Before: BROWN Clarity Before: _____ Texture: MED

Color After: COLORLESS Clarity After: CLEAR Artifacts: ____

Comments: TCC-SD06-E-0000

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

TCCSD6E

Lab Name: NUS CORPORATION Contract: _____

Lab Code: NUS___ Case No.: TNK___ SAS No.: _____ SDG No.: PKG2__

Matrix (soil/water): SOIL_ Lab Sample ID: P167563___

Level (low/med): _____ Date Received: 07/05/91

% Solids: _77.8

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_				NR
7440-36-0	Antimony_				NR
7440-38-2	Arsenic__				NR
7440-39-3	Barium___				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium__				NR
7440-70-2	Calcium__				NR
7440-47-3	Chromium_				NR
7440-48-4	Cobalt___				NR
7440-50-8	Copper___				NR
7439-89-6	Iron_____				NR
7439-92-1	Lead_____				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury__				NR
7440-02-0	Nickel___				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium_				NR
7440-22-4	Silver___				NR
7440-23-5	Sodium___				NR
7440-28-0	Thallium_				NR
7440-62-2	Vanadium_				NR
7440-66-6	Zinc_____				NR
---------	Cyanide__	0.64	U		C_

Color Before: BROWN____ Clarity Before: _____ Texture: MED___

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: ___

Comments: TCC-SD06-E-0000

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

TCCSD6F

Name: NUS CORPORATION Contract: _____

Code: NUS Case No.: TNK SAS No.: _____ SDG No.: PKG2

(soil/water): SOIL Lab Sample ID: P167564

(low/med): _____ Date Received: 07/05/91

Solids: 75.6

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
----------	Cyanide	0.66	U		C

Before: BROWN Clarity Before: _____ Texture: MED

After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:

TCC-SD06-F-0000

FIELD DUPLICATE OF TCC-SD06-E-0000

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

TCCSD6F

Name: NUS CORPORATION Contract: _____

Code: NUS Case No.: TNK SAS No.: _____ SDG No.: PKG2

(soil/water): SOIL Lab Sample ID: F167564

(low/med): _____ Date Received: 07/05/91

Solids: 75.6

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
---------	Cyanide	0.66	U		C

Before: BROWN Clarity Before: _____ Texture: MED

After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:

TCC-SD06-F-0000

FIELD DUPLICATE OF TCC-SD06-E-0000

U.S. EPA - CLP

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

TCCSFC

Lab Name: NUS Laboratory Contract: Tinker AFB

Lab Code: Case No.: TNK SAS No.: SDG No.: PKG2

Matrix (soil/water): SOIL Lab Sample ID: H174374

Level (low/med): LOW Date Received: 07/06/91

% Solids: 75.6

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3370			P
7440-36-0	Antimony	0.76	U	UJ	P
7440-38-2	Arsenic	0.88		J	P
7440-39-3	Barium	1470		J	P
7440-41-7	Beryllium	0.69		U	P
7440-43-9	Cadmium	1.0		U	P
7440-70-2	Calcium	12300			P
7440-47-3	Chromium	10.3			P
7440-48-4	Cobalt	6.0		U	P
7440-50-8	Copper	3.4		J	P
7439-89-6	Iron	4950		J	P
7439-92-1	Lead	5.5			P
7439-95-4	Magnesium	4840		J	P
7439-96-5	Manganese	470		J	P
7439-97-6	Mercury	0.06	U		CV
7440-02-0	Nickel	9.0		U	P
7440-09-7	Potassium	429			P
7782-49-2	Selenium	0.25	U		P
7440-22-4	Silver	1.3	U		P
7440-23-5	Sodium	686		UJ	P
7440-28-0	Thallium	0.52		UJ	P
7440-62-2	Vanadium	10.9		J	P
7440-66-6	Zinc	16.9			P
	Cyanide				NR
7440-42-8	Boron	25.4		UJ	P
7440-24-6	Strontium	25.4	U		P

Color Before: BROWN Clarity Before: Texture: COARSE

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
CLIENT ID: TCC-SD06-F-0000

Field Duplicate of TCC-SD06-E-0000

U.S. EPA - CLP

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

TCCSFC

Lab Name: NUS Laboratory Contract: Tinker AFB

Lab Code: Case No.: TNK SAS No.: SDG No.: PKG2

Matrix (soil/water): SOIL Lab Sample ID: H174374

Level (low/med): LOW Date Received: 07/06/91

% Solids: 75.6

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3370			P
7440-36-0	Antimony	0.76		UJ	F
7440-38-2	Arsenic	0.88		J	F
7440-39-3	Barium	1470		J	P
7440-41-7	Beryllium	0.69		U	P
7440-43-9	Cadmium	1.0		U	P
7440-70-2	Calcium	12300			P
7440-47-3	Chromium	10.3			P
7440-48-4	Cobalt	6.0		U	P
7440-50-8	Copper	3.4		J	P
7439-89-6	Iron	4950		J	P
7439-92-1	Lead	5.5			F
7439-95-4	Magnesium	4840		J	P
7439-96-5	Manganese	470		J	P
7439-97-6	Mercury	0.06	U		CV
7440-02-0	Nickel	9.0		U	P
7440-09-7	Potassium	429			P
7782-49-2	Selenium	0.25	U		F
7440-22-4	Silver	1.3	U		P
7440-23-5	Sodium	686		UJ	P
7440-28-0	Thallium	0.52		UJ	F
7440-62-2	Vanadium	10.9		J	P
7440-66-6	Zinc	16.9			P
	Cyanide				NR
7440-42-8	Boron	25.4		UJ	P
7440-24-6	Strontium	25.4	U		P

Color Before: BROWN Clarity Before: Texture: COARSE

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
CLIENT ID: TCC-SD06-F-0000

Field Duplicate of TCC-SD06-E-0000

U.S. EPA - CLP

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

TCCSD7

Lab Name: NUS Laboratory Contract: Tinker AFB

Lab Code: Case No.: TNK SAS No.: SDG No.: PKG2

Matrix (soil/water): SOIL Lab Sample ID: H174384

Level (low/med): LOW Date Received: 07/08/91

% Solids: 70.7

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	0.84		UJ	P
7440-38-2	Arsenic	2.5		J	P
7440-39-3	Barium	835		J	P
7440-41-7	Beryllium	0.95		U	P
7440-43-9	Cadmium	0.92		U	P
7440-70-2	Calcium				NR
7440-47-3	Chromium	22.5			P
7440-48-4	Cobalt	6.2		U	P
7440-50-8	Copper	7.5			P
7439-89-6	Iron				NR
7439-92-1	Lead	10.4			P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.07	U		CV
7440-02-0	Nickel	16.8		U	P
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.29	U		P
7440-22-4	Silver	1.4	U		P
7440-23-5	Sodium				NR
7440-28-0	Thallium	0.55		UJ	P
7440-62-2	Vanadium	23.5		J	P
7440-66-6	Zinc	29.8			P
	Cyanide				NR
7440-42-8	Boron				NR
7440-24-6	Strontium				NR

Color Before: BROWN Clarity Before: Texture: COARSE

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
CLIENT ID: TCC-SD07-E-0000

U.S. EPA - CLP

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

TCCSD7

Lab Name: NUS Laboratory Contract: Tinker AFB

Lab Code: Case No.: TNK SAS No.: SDG No.: PKG2

Matrix (soil/water): SOIL Lab Sample ID: H174384

Level (low/med): LOW Date Received: 07/08/91

% Solids: 70.7

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	0.84	~~U~~	UJ	P
7440-38-2	Arsenic	2.5	~~U~~	J	P
7440-39-3	Barium	835	~~N~~	J	P
7440-41-7	Beryllium	0.95	~~U~~	U	P
7440-43-9	Cadmium	0.92	~~U~~	U	P
7440-70-2	Calcium				NR
7440-47-3	Chromium	22.5			P
7440-48-4	Cobalt	6.2	~~U~~	U	P
7440-50-8	Copper	7.5			P
7439-89-6	Iron				NR
7439-92-1	Lead	10.4			P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.07	U		CV
7440-02-0	Nickel	16.8		U	P
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.29	U		P
7440-22-4	Silver	1.4	U		P
7440-23-5	Sodium				NR
7440-28-0	Thallium	0.55	~~U~~	UJ	P
7440-62-2	Vanadium	23.5		J	P
7440-66-6	Zinc	29.8			P
	Cyanide				NR
7440-42-8	Boron				NR
7440-24-6	Strontium				NR

Color Before: BROWN Clarity Before: Texture: COARSE

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
CLIENT ID: TCC-SD07-E-0000

U.S. EPA - CLP

EPA SAMPLE NO.

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INORGANIC ANALYSIS DATA SHEET

TCCS.

Lab Name: NUS Laboratory Contract: Tinker AFB

Lab Code: Case No.: TNK SAS No.: SDG No.: PKG2

Matrix (soil/water): SOIL Lab Sample ID: H174385

Level (low/med): LOW Date Received: 07/08/91

% Solids: 76.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	0.79		UJ	F
7440-38-2	Arsenic	2.4		J	F
7440-39-3	Barium	612		J	F
7440-41-7	Beryllium	0.85		U	F
7440-43-9	Cadmium	1.4		U	F
7440-70-2	Calcium				NR
7440-47-3	Chromium	22.8			F
7440-48-4	Cobalt	8.3		U	F
7440-50-8	Copper	6.8			F
7439-89-6	Iron				NR
7439-92-1	Lead	8.7			F
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.19			CV
7440-02-0	Nickel	15.4		U	F
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.25	U		F
7440-22-4	Silver	1.3	U		F
7440-23-5	Sodium				NR
7440-28-0	Thallium	0.52		UJ	F
7440-62-2	Vanadium	18.5		J	F
7440-66-6	Zinc	25.4			F
7440-42-8	Boron				NR
7440-24-6	Strontium				NR

Color Before: BROWN Clarity Before: Texture: COARS

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
CLIENT ID: TCC-SD07-F-0000

FIELD DUPLICATE OF TCC-SD07-E-0000

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U.S. EPA - CLP

EPA SAMPLE NO.

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INORGANIC ANALYSIS DATA SHEET

TCCS

Lab Name: NUS Laboratory Contract: Tinker AFB

Lab Code: Case No.: TNK SAS No.: SDG No.: PKG2

Matrix (soil/water): SOIL Lab Sample ID: H174385

Level (low/med): LOW Date Received: 07/08/91

% Solids: 76.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	0.79		UJ	F
7440-38-2	Arsenic	2.4		J	F
7440-39-3	Barium	612		J	F
7440-41-7	Beryllium	0.85		U	F
7440-43-9	Cadmium	1.4		U	F
7440-70-2	Calcium				NR
7440-47-3	Chromium	22.8			F
7440-48-4	Cobalt	8.3		U	F
7440-50-8	Copper	6.8			F
7439-89-6	Iron				NR
7439-92-1	Lead	8.7			F
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.19			CV
7440-02-0	Nickel	15.4		U	F
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.25	U		F
7440-22-4	Silver	1.3	U		F
7440-23-5	Sodium				NR
7440-28-0	Thallium	0.52		UJ	F
7440-62-2	Vanadium	18.5		J	F
7440-66-6	Zinc	25.4			F
7440-42-8	Boron				NR
7440-24-6	Strontium				NR

Color Before: BROWN Clarity Before: Texture: COARS

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
CLIENT ID: TCC-SD07-F-0000

FIELD DUPICATE OF TCC-SD07-E-0000

FORM I - IN

U.S. EPA - CLP

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

TCCSD8

Lab Name: NUS Laboratory Contract: Tinker AFB

Lab Code: Case No.: TNK SAS No.: SDG No.: PKG2

Matrix (soil/water): SOIL Lab Sample ID: H174386

Level (low/med): LOW Date Received: 07/08/91

% Solids: 77.7

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	0.76		UJ	P
7440-38-2	Arsenic	5.1		J	P
7440-39-3	Barium	1200		J	P
7440-41-7	Beryllium	1.0		U	P
7440-43-9	Cadmium	0.76	U		P
7440-70-2	Calcium				NR
7440-47-3	Chromium	14.5			P
7440-48-4	Cobalt	13.9		U	P
7440-50-8	Copper	9.5			P
7439-89-6	Iron				NR
7439-92-1	Lead	12.7			P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.06			CV
7440-02-0	Nickel	11.9		U	P
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.25		UJ	P
7440-22-4	Silver	1.2	U		P
7440-23-5	Sodium				NR
7440-28-0	Thallium	0.49		UJ	P
7440-62-2	Vanadium	31.8		J	P
7440-66-6	Zinc	37.6			P
	Cyanide				NR
7440-42-8	Boron				NR
7440-24-6	Strontium				NR

Color Before: BROWN Clarity Before: Texture: COARSE

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
CLIENT ID: TCC-SD08-E-0000

U.S. EPA - CLP

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

TCCSD8

Lab Name: NUS Laboratory Contract: Tinker AFB

Lab Code: Case No.: TNK SAS No.: SDG No.: PKG2

Matrix (soil/water): SOIL Lab Sample ID: H174386

Level (low/med): LOW Date Received: 07/08/91

% Solids: 77.7

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	0.76	~~UW~~	UJ	F
7440-38-2	Arsenic	5.1		J	F
7440-39-3	Barium	1200	~~UW~~	J	P
7440-41-7	Beryllium	1.0	~~UW~~	U	P
7440-43-9	Cadmium	0.76	U		P
7440-70-2	Calcium				NR
7440-47-3	Chromium	14.5			P
7440-48-4	Cobalt	13.9		U	P
7440-50-8	Copper	9.5			P
7439-89-6	Iron				NR
7439-92-1	Lead	12.7			F
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.06	~~UW~~		CV
7440-02-0	Nickel	11.9		U	P
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.25	~~UW~~	UJ	F
7440-22-4	Silver	1.2	U		P
7440-23-5	Sodium				NR
7440-28-0	Thallium	0.49	~~UW~~	UJ	F
7440-62-2	Vanadium	31.8		J	P
7440-66-6	Zinc	37.6			P
	Cyanide				NR
7440-42-8	Boron				NR
7440-24-6	Strontium				NR

Color Before: BROWN Clarity Before: Texture: COARS

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
CLIENT ID: TCC-SD08-E-0000

U.S. EPA - CLP

EPA SAMPLE NO

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INORGANIC ANALYSIS DATA SHEET

TCCS

Lab Name: NUS Laboratory Contract: Tinker AFB

Lab Code: Case No.: TNK SAS No.: SDG No.: PKG2

Matrix (soil/water): SOIL Lab Sample ID: H174387

Level (low/med): LOW Date Received: 07/08/91

% Solids: 78.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	1.0	~~E~~	J	P
7440-38-2	Arsenic	2.4	~~E~~	J	P
7440-39-3	Barium	1180	N	J	P
7440-41-7	Beryllium	0.81	~~E~~	N	P
7440-43-9	Cadmium	0.76	U		P
7440-70-2	Calcium				NR
7440-47-3	Chromium	8.2			P
7440-48-4	Cobalt	10.8	~~E~~	N	P
7440-50-8	Copper	6.5			P
7439-89-6	Iron				NR
7439-92-1	Lead	4.6			P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.06	U		CV
7440-02-0	Nickel	9.7	~~E~~	N	P
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.25	U		P
7440-22-4	Silver	1.3	U		P
7440-23-5	Sodium				NR
7440-28-0	Thallium	0.51	~~UW~~	NJ	P
7440-62-2	Vanadium	21.3		J	P
7440-66-6	Zinc	24.9			P
	Cyanide				NR
7440-42-8	Boron				NR
7440-24-6	Strontium				NR

Color Before: BROWN Clarity Before: Texture: COARS

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
CLIENT ID: TCC-SD09-E-0000

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EPA SAMPLE NO

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INORGANIC ANALYSIS DATA SHEET

TCCS

Lab Name: NUS Laboratory Contract: Tinker AFB

Lab Code: Case No.: TNK SAS No.: SDG No.: PKG2

Matrix (soil/water): SOIL Lab Sample ID: H174387

Level (low/med): LOW Date Received: 07/08/91

% Solids: 78.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	1.0	B	J	P
7440-38-2	Arsenic	2.4	B	J	P
7440-39-3	Barium	1180	N	J	P
7440-41-7	Beryllium	0.81	B	N	P
7440-43-9	Cadmium	0.76	U		P
7440-70-2	Calcium				NR
7440-47-3	Chromium	8.2			P
7440-48-4	Cobalt	10.8	B	N	P
7440-50-8	Copper	6.5			P
7439-89-6	Iron				NR
7439-92-1	Lead	4.6			P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.06	U		CV
7440-02-0	Nickel	9.7	B	N	P
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.25	U		P
7440-22-4	Silver	1.3	U		P
7440-23-5	Sodium				NR
7440-28-0	Thallium	0.51	UW	NS	P
7440-62-2	Vanadium	21.3		J	P
7440-66-6	Zinc	24.9			P
	Cyanide				NR
7440-42-8	Boron				NR
7440-24-6	Strontium				NR

Color Before: BROWN Clarity Before: Texture: COARS

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
CLIENT ID: TCC-SD09-E-0000

U.S. EPA - CLP

EPA SAMPLE NO.

TCCS10

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INORGANIC ANALYSIS DATA SHEET

Lab Name: NUS Laboratory Contract: Tinker AFB

Lab Code: Case No.: TNK SAS No.: SDG No.: PKG2

Matrix (soil/water): SOIL Lab Sample ID: H174388

Level (low/med): LOW Date Received: 07/08/91

% Solids: 79.2

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	0.99		J	P
7440-38-2	Arsenic	6.8		J	P
7440-39-3	Barium	1100		J	P
7440-41-7	Beryllium	0.82		U	P
7440-43-9	Cadmium	0.77		U	P
7440-70-2	Calcium				NR
7440-47-3	Chromium	8.9			P
7440-48-4	Cobalt	11.3		U	P
7440-50-8	Copper	8.0			P
7439-89-6	Iron				NR
7439-92-1	Lead	8.5			P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.05	U		CV
7440-02-0	Nickel	12.3		U	P
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.28		J	P
7440-22-4	Silver	1.3	U		P
7440-23-5	Sodium				NR
7440-28-0	Thallium	0.48		UJ	P
7440-62-2	Vanadium	30.1		J	P
7440-66-6	Zinc	23.3			P
	Cyanide				NR
7440-42-8	Boron				NR
7440-24-6	Strontium				NR

Color Before: BROWN Clarity Before: Texture: COARS

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
CLIENT ID: TCC-SD10-E-0000

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

TCCS10

Lab Name: NUS Laboratory

Contract: Tinker AFB

Lab Code:

Case No.: TNK

SAS No.:

SDG No.: PKG2

Matrix (soil/water): SOIL

Lab Sample ID: H174388

Level (low/med): LOW

Date Received: 07/08/91

% Solids: 79.2

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	0.99		J	P
7440-38-2	Arsenic	6.8		J	P
7440-39-3	Barium	1100		J	P
7440-41-7	Beryllium	0.82		U	P
7440-43-9	Cadmium	0.77		U	P
7440-70-2	Calcium				NR
7440-47-3	Chromium	8.9			P
7440-48-4	Cobalt	11.3		U	P
7440-50-8	Copper	8.0			P
7439-89-6	Iron				NR
7439-92-1	Lead	8.5			P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.05	U		CV
7440-02-0	Nickel	12.3		U	P
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.28		J	P
7440-22-4	Silver	1.3	U		P
7440-23-5	Sodium				NR
7440-28-0	Thallium	0.48		UJ	P
7440-62-2	Vanadium	30.1		J	P
7440-66-6	Zinc	23.3			P
	Cyanide				NR
7440-42-8	Boron				NR
7440-24-6	Strontium				NR

Color Before: BROWN

Clarity Before:

Texture: COARS

Color After: COLORLESS

Clarity After: CLEAR

Artifacts:

Comments:
CLIENT ID: TCC-SD10-E-0000

U.S. EPA - CLP

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

TCCS11

Lab Name: NUS Laboratory Contract: Tinker AFB

Lab Code: Case No.: TNK SAS No.: SDG No.: PKG3

Matrix (soil/water): SOIL Lab Sample ID: H174391

Level (low/med): LOW Date Received: 07/09/91

% Solids: 80.3

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1430			P
7440-36-0	Antimony	0.72	~~U~~	UJ	P
7440-38-2	Arsenic	0.93	~~UN~~	J	P
7440-39-3	Barium	674		J	P
7440-41-7	Beryllium	0.63	~~U~~	U	P
7440-43-9	Cadmium	0.72	~~U~~	UJ	P
7440-70-2	Calcium	62800		J	P
7440-47-3	Chromium	7.3		J	P
7440-48-4	Cobalt	2.2	U		P
7440-50-8	Copper	2.4	U		P
7439-89-6	Iron	6240		J	P
7439-92-1	Lead	11.2		J	P
7439-95-4	Magnesium	4860		J	P
7439-96-5	Manganese	338		J	P
7439-97-6	Mercury	0.05	U		CV
7440-02-0	Nickel	3.9	~~U~~	U	P
7440-09-7	Potassium	155	~~U~~		P
7782-49-2	Selenium	0.24	~~U~~	UJ	P
7440-22-4	Silver	~~1.2~~	~~UN~~	R	P
7440-23-5	Sodium	649	U		P
7440-28-0	Thallium	0.49	~~UW~~	UJ	P
7440-62-2	Vanadium	17.3			P
7440-66-6	Zinc	26.6			P
	Cyanide				NR
7440-42-8	Boron	24.0	U		P
7440-24-6	Strontium	24.0	U		P

Color Before: BROWN Clarity Before: Texture: COARSE

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
CLIENT ID: TCC-SD11-E-0000

U.S. EPA - CLP

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

TCCS11

Lab Name: NUS Laboratory Contract: Tinker AFB

Lab Code: Case No.: TNK SAS No.: SDG No.: PKG3

Matrix (soil/water): OIL Lab Sample ID: H174391

Level (low/med): LOW Date Received: 07/09/91

% Solids: 80.3

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1430			P
7440-36-0	Antimony	0.72	~~U~~	UJ	F
7440-38-2	Arsenic	0.93	~~B~~ N	J	F
7440-39-3	Barium	674		J	P
7440-41-7	Beryllium	0.63	~~B~~	U	P
7440-43-9	Cadmium	0.72	~~B~~	UJ	P
7440-70-2	Calcium	62800		J	P
7440-47-3	Chromium	7.3		J	P
7440-48-4	Cobalt	2.2	U		P
7440-50-8	Copper	2.4	U		P
7439-89-6	Iron	6240		J	P
7439-92-1	Lead	11.2		J	F
7439-95-4	Magnesium	4860		J	P
7439-96-5	Manganese	338		J	P
7439-97-6	Mercury	0.05	U		CV
7440-02-0	Nickel	3.9		U	P
7440-09-7	Potassium	155	~~B~~		P
7782-49-2	Selenium	0.24	~~B~~	UJ	F
7440-22-4	Silver	~~1.2~~	~~U~~ N	R	
7440-23-5	Sodium	649	U		P
7440-28-0	Thallium	0.49	~~B~~ W	UJ	F
7440-62-2	Vanadium	17.3			P
7440-66-6	Zinc	26.6			P
	Cyanide				NR
7440-42-8	Boron	24.0	U		P
7440-24-6	Strontium	24.0	U		P

Color Before: BROWN Clarity Before: Texture: COARSE

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
CLIENT ID: TCC-SD11-E-0000

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

TCCS11E

Lab Name: NUS CORPORATION Contract: _____

Lab Code: NUS___ Case No.: TNK___ SAS No.: _____ SDG No.: PKG3__

Matrix (soil/water): SOIL_ Lab Sample ID: P167638___

Level (low/med): _____ Date Received: 07/07/91

% Solids: _80.3

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_				NR
7440-36-0	Antimony_				NR
7440-38-2	Arsenic__				NR
7440-39-3	Barium___				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium__				NR
7440-70-2	Calcium__				NR
7440-47-3	Chromium_				NR
7440-48-4	Cobalt___				NR
7440-50-8	Copper___				NR
7439-89-6	Iron_____				NR
7439-92-1	Lead_____				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury__				NR
7440-02-0	Nickel___				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium_				NR
7440-22-4	Silver___				NR
7440-23-5	Sodium___				NR
7440-28-0	Thallium_				NR
7440-62-2	Vanadium_				NR
7440-66-6	Zinc_____				NR
---------	Cyanide__	0.64	U		C

Color Before: BROWN____ Clarity Before: _____ Texture: MED___

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: ___

Comments: TCC-SD11-E-0000

U.S. EPA - CLP

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

TCCS11E

Lab Name: NUS CORPORATION Contract: _____

Lab Code: NUS___ Case No.: TNK___ SAS No.: _____ SDG No.: PKG3__

Matrix (soil/water): SOIL_ Lab Sample ID: P167638___

Level (low/med): _____ Date Received: 07/07/91

% Solids: _80.3

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_				NR
7440-36-0	Antimony_				NR
7440-38-2	Arsenic__				NR
7440-39-3	Barium___				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium__				NR
7440-70-2	Calcium__				NR
7440-47-3	Chromium_				NR
7440-48-4	Cobalt___				NR
7440-50-8	Copper___				NR
7439-89-6	Iron_____				NR
7439-92-1	Lead_____				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury__				NR
7440-02-0	Nickel___				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium_				NR
7440-22-4	Silver___				NR
7440-23-5	Sodium___				NR
7440-28-0	Thallium_				NR
7440-62-2	Vanadium_				NR
7440-66-6	Zinc_____				NR
---------	Cyanide__	0.64	U		C_

Color Before: BROWN____ Clarity Before: _____ Texture: MED___

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: ___

Comments: TCC-SD11-E-0000

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

TCCS1

Lab Name: NUS Laboratory Contract: Tinker AFB

Lab Code: Case No.: TNK SAS No.: SDG No.: PKG3

Matrix (soil/water): SOIL Lab Sample ID: H174397

Level (low/med): LOW Date Received: 07/09/91

% Solids: 74.8

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	0.78		UJ	F
7440-38-2	Arsenic	13.5		J	F
7440-39-3	Barium	1070		J	P
7440-41-7	Beryllium	0.65		U	P
7440-43-9	Cadmium	0.78		UJ	P
7440-70-2	Calcium				NR
7440-47-3	Chromium	9.3		J	P
7440-48-4	Cobalt	14.6		U	P
7440-50-8	Copper	6.9			P
7439-89-6	Iron				NR
7439-92-1	Lead	21.0		J	F
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.06	U		CV
7440-02-0	Nickel	10.6		U	P
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.27		UJ	F
7440-22-4	Silver	1.3		R	P
7440-23-5	Sodium				NR
7440-28-0	Thallium	0.52	U		F
7440-62-2	Vanadium	55.1			P
7440-66-6	Zinc	29.3			P
	Cyanide				NR
7440-42-8	Boron				NR
7440-24-6	Strontium				NR

Color Before: BROWN Clarity Before: Texture: COARS

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
CLIENT ID: TCC-SD12-E-0000

EPA SAMPLE N

TOCS

1

INORGANIC ANALYSIS DATA SHEET

Lab Name: NUS Laboratory Contract: Tinker AFB

Lab Code: Case No.: TNK SAS No.: SDG No.: PR62

Matrix (soil/water): SOIL Lab Sample ID: H174397

Level (low/med): LOW Date Received: 07/09/91

% Solids: 74.8

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	0.78		UJ	P
7440-38-2	Arsenic	13.5		J	P
7440-39-3	Barium	1070		J	P
7440-41-7	Beryllium	0.65		U	P
7440-43-9	Cadmium	0.78		UJ	P
7440-70-2	Calcium				NR
7440-47-3	Chromium	9.3		J	P
7440-48-4	Cobalt	14.6		U	P
7440-50-8	Copper	6.9			P
7439-89-6	Iron				NR
7439-92-1	Lead	21.0		J	P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.06	U		CV
7440-02-0	Nickel	10.6		U	P
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.27		UJ	P
7440-22-4	Silver	~~1.3~~		R	P
7440-23-5	Sodium				NR
7440-28-0	Thallium	0.52	U		P
7440-62-2	Vanadium	55.1			P
7440-66-6	Zinc	29.3			P
	Cyanide				NR
7440-42-8	Boron				NR
7440-24-6	Strontium				NR

Color Before: BROWN Clarity Before: Texture: COARS

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
CLIENT ID: TOC-SD12-E-0000

EPA SAMPLE NO.

1

INORGANIC ANALYSIS DATA SHEET

TCCS13

Lab Name: NUS Laboratory Contract: Tinker AFB

Lab Code: Case No.: TNK SAS No.: SDG No.: PKG2

Matrix (soil/water): SOIL Lab Sample ID: H174389

Level (low/med): LOW Date Received: 07/08/91

% Solids: 80.4

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	0.73	~~U~~	UJ	P
7440-38-2	Arsenic	2.0	~~U~~	J	P
7440-39-3	Barium	505		J	P
7440-41-7	Beryllium	1.0	~~U~~	U	P
7440-43-9	Cadmium	0.73	U		P
7440-70-2	Calcium				NR
7440-47-3	Chromium	23.8			P
7440-48-4	Cobalt	14.2		U	P
7440-50-8	Copper	10.0			P
7439-89-6	Iron				NR
7439-92-1	Lead	7.6			P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.05	U		CV
7440-02-0	Nickel	23.7		U	P
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.24	U		P
7440-22-4	Silver	1.2	U		P
7440-23-5	Sodium				NR
7440-28-0	Thallium	0.49	~~U~~	UJ	P
7440-62-2	Vanadium	39.5		J	P
7440-66-6	Zinc	37.4			P
	Cyanide				NR
7440-42-8	Boron				NR
7440-24-6	Strontium				NR

Color Before: BROWN Clarity Before: Texture: COARSE

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
CLIENT ID: TCC-SD13-E-0000

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

TCCS13

Lab Name: NUS Laboratory Contract: Tinker AFB

Lab Code: Case No.: TNK SAS No.: SDG No.: PKG2

Matrix (soil/water): SOIL Lab Sample ID: H174389

Level (low/med): LOW Date Received: 07/08/91

% Solids: 80.4

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	0.73	~~U~~	UJ	F
7440-38-2	Arsenic	2.0	~~U~~	J	F
7440-39-3	Barium	505		J	F
7440-41-7	Beryllium	1.0	~~U~~	U	F
7440-43-9	Cadmium	0.73	U		F
7440-70-2	Calcium				NR
7440-47-3	Chromium	23.8			F
7440-48-4	Cobalt	14.2		U	F
7440-50-8	Copper	10.0			F
7439-89-6	Iron				NR
7439-92-1	Lead	7.6			F
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.05	U		CV
7440-02-0	Nickel	23.7		U	F
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.24	U		F
7440-22-4	Silver	1.2	U		F
7440-23-5	Sodium				NR
7440-28-0	Thallium	0.49	~~U~~	UJ	F
7440-62-2	Vanadium	39.5		J	F
7440-66-6	Zinc	37.4			F
	Cyanide				NR
7440-42-8	Boron				NR
7440-24-6	Strontium				NR

Color Before: BROWN Clarity Before: Texture: COARSE

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
CLIENT ID: TCC-SD13-E-0000

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

TCCS1S

Lab Name: NUS Laboratory Contract: Tinker AFB

Lab Code: Case No.: TNK SAS No.: SDG No.: PKG2

Matrix (soil/water): SOIL Lab Sample ID: H174390

Level (low/med): LOW Date Received: 07/08/91

% Solids: 82.1

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	0.70	~~U~~	UJ	P
7440-38-2	Arsenic	3.7		J	P
7440-39-3	Barium	979	~~E~~	J	P
7440-41-7	Beryllium	0.74	~~E~~	U	P
7440-43-9	Cadmium	0.70	U		P
7440-70-2	Calcium				NR
7440-47-3	Chromium	6.7			P
7440-48-4	Cobalt	8.6	~~E~~	U	P
7440-50-8	Copper	8.5			P
7439-89-6	Iron				NR
7439-92-1	Lead	7.9			P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.05	U		CV
7440-02-0	Nickel	13.7		U	P
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.24	~~UW~~	UJ	P
7440-22-4	Silver	1.2	U		P
7440-23-5	Sodium				NR
7440-28-0	Thallium	0.48	~~UW~~	UJ	P
7440-62-2	Vanadium	13.0		J	P
7440-66-6	Zinc	16.6			P
	Cyanide				NR
7440-42-8	Boron				NR
7440-24-6	Strontium				NR

Color Before: BROWN Clarity Before: Texture: COARSE

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
CLIENT ID: TCC-SD14-E-0000

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

TCCS1

Lab Name: NUS Laboratory Contract: Tinker AFB

Lab Code: Case No.: TNK SAS No.: SDG No.: PKG2

Matrix (soil/water): SOIL Lab Sample ID: H174390

Level (low/med): LOW Date Received: 07/08/91

% Solids: 82.1

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	0.70	~~U~~	UJ	P
7440-38-2	Arsenic	3.7		J	P
7440-39-3	Barium	979		~~J~~ J	P
7440-41-7	Beryllium	0.74	~~U~~	U	P
7440-43-9	Cadmium	0.70	U		P
7440-70-2	Calcium				NR
7440-47-3	Chromium	6.7			P
7440-48-4	Cobalt	8.6	~~U~~	U	P
7440-50-8	Copper	8.5			P
7439-89-6	Iron				NR
7439-92-1	Lead	7.9			P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.05	U		CV
7440-02-0	Nickel	13.7		U	P
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.24	~~UW~~	~~U~~ UJ	P
7440-22-4	Silver	1.2	U		P
7440-23-5	Sodium				NR
7440-28-0	Thallium	0.48	~~UW~~	~~U~~ UJ	P
7440-62-2	Vanadium	13.0		J	P
7440-66-6	Zinc	16.6			P
	Cyanide				NR
7440-42-8	Boron				NR
7440-24-6	Strontium				NR

Color Before: BROWN Clarity Before: Texture: COARSE

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
CLIENT ID: TCC-SD14-E-0000

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE N

TCCS15

Lab Name: NUS Laboratory Contract: Tinker AFB

Lab Code: Case No.: TNK SAS No.: SDG No.: PNG3

Matrix (soil/water): SOIL Lab Sample ID: H174398

Level (low/med): LOW Date Received: 07/09/91

% Solids: 76.8

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	0.77		UJ	P
7440-38-2	Arsenic	1.2		J	P
7440-39-3	Barium	762		J	P
7440-41-7	Beryllium	0.46		U	P
7440-43-9	Cadmium	0.77		UJ	P
7440-70-2	Calcium				NR
7440-47-3	Chromium	40.9		J	P
7440-48-4	Cobalt	5.0		U	P
7440-50-8	Copper	6.5			P
7439-89-6	Iron				NR
7439-92-1	Lead	8.7		J	P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.06	U		CV
7440-02-0	Nickel	9.6		U	P
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.26		UJ	P
7440-22-4	Silver	1.2		R	P
7440-23-5	Sodium				NR
7440-28-0	Thallium	0.51		UJ	P
7440-62-2	Vanadium	15.5			P
7440-66-6	Zinc	27.1			P
	Cyanide				NR
7440-42-8	Boron				NR
7440-24-6	Strontium				NR

Color Before: BROWN Clarity Before: Texture: COA

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
CLIENT ID: TCC-SD15-E-0000

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE N

TCCS15

Lab Name: NUS Laboratory Contract: Tinker AFB

Lab Code: Case No.: TNK SAS No.: SDG No.: PKG3

Matrix (soil/water): SOIL Lab Sample ID: H174398

Level (low/med): LOW Date Received: 07/09/91

% Solids: 76.8

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	0.77		UJ	F
7440-38-2	Arsenic	1.2		J	F
7440-39-3	Barium	762		J	F
7440-41-7	Beryllium	0.46		U	F
7440-43-9	Cadmium	0.77		UJ	F
7440-70-2	Calcium				NR
7440-47-3	Chromium	40.9		J	F
7440-48-4	Cobalt	5.0		U	F
7440-50-8	Copper	6.5			F
7439-89-6	Iron				NR
7439-92-1	Lead	8.7	N	J	F
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.06	U		CV
7440-02-0	Nickel	9.6		U	F
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.26		UJ	F
7440-22-4	Silver	1.9		R	F
7440-23-5	Sodium				NR
7440-28-0	Thallium	0.51	W	UJ	F
7440-62-2	Vanadium	15.5			F
7440-66-6	Zinc	27.1			F
	Cyanide				NR
7440-42-8	Boron				NR
7440-24-6	Strontium				NR

Color Before: BROWN Clarity Before: Texture: COAR

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
CLIENT ID: TCC-SD15-E-0000

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

TCCS10

Lab Name: NUS Laboratory Contract: Tinker AFB

Lab Code: Case No.: TNK SAS No.: SDG No.: PKG3

Matrix (soil/water): SOIL Lab Sample ID: H174392

Level (low/med): LOW Date Received: 07/09/91

% Solids: 75.7

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5910			P
7440-36-0	Antimony	0.76		UJ	F
7440-38-2	Arsenic	[illegible]		UJN	F
7440-39-3	Barium	815		J	P
7440-41-7	Beryllium	0.66		U	P
7440-43-9	Cadmium	0.79		UJ	P
7440-70-2	Calcium	22500		J	P
7440-47-3	Chromium	49.1		J	P
7440-48-4	Cobalt	9.8		U	P
7440-50-8	Copper	3.2			P
7439-89-6	Iron	10200		J	P
7439-92-1	Lead	19.1		J	F
7439-95-4	Magnesium	7360		J	P
7439-96-5	Manganese	1400		J	P
7439-97-6	Mercury	0.07	U		CV
7440-02-0	Nickel	12.9		U	P
7440-09-7	Potassium	728			P
7782-49-2	Selenium	0.26		UJ	F
7440-22-4	Silver	1.8		R	P
7440-23-5	Sodium	687	U		P
7440-28-0	Thallium	0.51		UJ	F
7440-62-2	Vanadium	22.4			P
7440-66-6	Zinc	30.1			P
	Cyanide				NR
7440-42-8	Boron	25.5	U		P
7440-24-6	Strontium	25.5	U		P

Color Before: BROWN Clarity Before: Texture: COARSE

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
CLIENT ID: TCC-SD16-E-0000

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1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

TDCS10

Lab Name: NUS Laboratory Contract: Tinker AFB

Lab Code: Case No.: TNK SAS No.: SDG No.: PKG3

Matrix (soil/water): SOIL Lab Sample ID: H174392

Level (low/med): LOW Date Received: 07/09/91

% Solids: 75.7

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5910			P
7440-36-0	Antimony	0.76		UJ	P
7440-38-2	Arsenic	[illegible]		J	P
7440-39-3	Barium	815		J	P
7440-41-7	Beryllium	0.66		U	P
7440-43-9	Cadmium	0.79		U	P
7440-70-2	Calcium	22500		J	P
7440-47-3	Chromium	49.1		J	P
7440-48-4	Cobalt	9.8		U	P
7440-50-8	Copper	3.2			P
7439-89-6	Iron	10200		J	P
7439-92-1	Lead	19.1		J	P
7439-95-4	Magnesium	7360		J	P
7439-96-5	Manganese	1400		J	P
7439-97-6	Mercury	0.07	U		CV
7440-02-0	Nickel	12.9		U	P
7440-09-7	Potassium	728			P
7782-49-2	Selenium	0.26		UJ	F
7440-22-4	Silver	1.2		R	P
7440-23-5	Sodium	687	U		P
7440-28-0	Thallium	0.51		UJ	F
7440-62-2	Vanadium	22.4			P
7440-66-6	Zinc	30.1			P
	Cyanide				NR
7440-42-8	Boron	25.5	U		P
7440-24-6	Strontium	25.5	U		P

Color Before: BROWN Clarity Before: Texture: COARSE

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
CLIENT ID: TDC-SD16-E-0000

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

TCCS16E

Lab Name: NUS CORPORATION Contract: _____

Lab Code: NUS___ Case No.: TNK___ SAS No.: _____ SDG No.: PKG3__

Matrix (soil/water): SOIL_ Lab Sample ID: P167641___

Level (low/med): _____ Date Received: 07/07/91

% Solids: _75.7

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_				NR
7440-36-0	Antimony_				NR
7440-38-2	Arsenic__				NR
7440-39-3	Barium___				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium__				NR
7440-70-2	Calcium__				NR
7440-47-3	Chromium_				NR
7440-48-4	Cobalt___				NR
7440-50-8	Copper___				NR
7439-89-6	Iron_____				NR
7439-92-1	Lead_____				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury__				NR
7440-02-0	Nickel___				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium_				NR
7440-22-4	Silver___				NR
7440-23-5	Sodium___				NR
7440-28-0	Thallium_				NR
7440-62-2	Vanadium_				NR
7440-66-6	Zinc_____				NR
---------	Cyanide__	0.65	U		C_

Color Before: BROWN____ Clarity Before: _____ Texture: MED___

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: ___

Comments:

TCC-SD16-E-0000

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

TCCS16E

Lab Name: NUS CORPORATION Contract: _____

Lab Code: NUS___ Case No.: TNK___ SAS No.: _____ SDG No.: PKG3__

Matrix (soil/water): SOIL_ Lab Sample ID: P167641___

Level (low/med): _____ Date Received: 07/07/91

% Solids: _75.7

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_				NR
7440-36-0	Antimony_				NR
7440-38-2	Arsenic__				NR
7440-39-3	Barium___				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium__				NR
7440-70-2	Calcium__				NR
7440-47-3	Chromium_				NR
7440-48-4	Cobalt___				NR
7440-50-8	Copper___				NR
7439-89-6	Iron_____				NR
7439-92-1	Lead_____				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury__				NR
7440-02-0	Nickel___				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium_				NR
7440-22-4	Silver___				NR
7440-23-5	Sodium___				NR
7440-28-0	Thallium_				NR
7440-62-2	Vanadium_				NR
7440-66-6	Zinc_____				NR
---------	Cyanide__	0.65	U		C

Color Before: BROWN____ Clarity Before: _____ Texture: MED___

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: ___

Comments:

TCC-SD16-E-0000

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

TCC9

Lab Name: NUS Laboratory Contract: Tinker AFB

Lab Code: Case No.: TNK SAS No.: SDG No.: PKG3

Matrix (soil/water): SOIL Lab Sample ID: H174399

Level (low/med): LOW Date Received: 07/09/91

% Solids: 72.8

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	0.79	~~U~~	UJ	P
7440-38-2	Arsenic	2.0	~~BRN~~	J	P
7440-39-3	Barium	621	~~*~~		P
7440-41-7	Beryllium	0.47	~~U~~	U	P
7440-43-9	Cadmium	1.1	~~U~~	U	P
7440-70-2	Calcium		~~*~~		NR
7440-47-3	Chromium	37.3	~~*~~	J	P
7440-48-4	Cobalt	7.5	~~U~~	U	P
7440-50-8	Copper	8.1			P
7439-89-6	Iron		~~*~~		NR
7439-92-1	Lead	20.0	~~N*~~	J	P
7439-95-4	Magnesium		~~*~~		NR
7439-96-5	Manganese		~~*~~		NR
7439-97-6	Mercury	0.06	U		CV
7440-02-0	Nickel	11.9		U	P
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.26	~~U~~	UJ	P
7440-22-4	Silver	~~1.2~~	~~BN~~	R	P
7440-23-5	Sodium				NR
7440-28-0	Thallium	0.53	U		P
7440-62-2	Vanadium	20.4			P
7440-66-6	Zinc	31.3			P
	Cyanide				NR
7440-42-8	Boron				NR
7440-24-6	Strontium				NR

Color Before: BROWN Clarity Before: Texture: COARS

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
CLIENT ID: TCC-SD17-E-0000

U.S. EPA - CLP

EPA SAMPLE N

1

INORGANIC ANALYSIS DATA SHEET

TCCS

Lab Name: NUS Laboratory Contract: Tinker AFB

Lab Code: Case No.: TNK SAS No.: SDG No.: PK63

Matrix (soil/water): SOIL Lab Sample ID: H174099

Level (low/med): LOW Date Received: 07/09/91

% Solids: 72.8

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	0.79	~~U~~	UJ	F
7440-38-2	Arsenic	2.0	~~BN~~	J	F
7440-39-3	Barium	621	~~*~~		P
7440-41-7	Beryllium	0.47	~~B~~	U	P
7440-43-9	Cadmium	1.1	~~B~~	U	P
7440-70-2	Calcium		~~*~~		NR
7440-47-3	Chromium	37.3	~~*~~	J	P
7440-48-4	Cobalt	7.5	~~B~~	U	P
7440-50-8	Copper	8.1			P
7439-89-6	Iron		~~*~~		NR
7439-92-1	Lead	20.0	~~N*~~	J	F
7439-95-4	Magnesium		~~*~~		NR
7439-96-5	Manganese		~~*~~		NR
7439-97-6	Mercury	0.06	U		CV
7440-02-0	Nickel	11.9		U	P
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.26	~~U~~	UJ	F
7440-22-4	Silver	1.8	~~BN~~	R	P
7440-23-5	Sodium				NR
7440-28-0	Thallium	0.53	U		F
7440-62-2	Vanadium	20.4			P
7440-66-6	Zinc	31.3			P
	Cyanide				NR
7440-42-8	Boron				NR
7440-24-6	Strontium				NR

Color Before: BROWN Clarity Before: Texture: COARS

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
CLIENT ID: TCC-SD17-S-0000

U.S. EPA - CLP

EPA SAMPLE

TOCS18

1

INORGANIC ANALYSIS DATA SHEET

Lab Name: NUS Laboratory Contract: Tinker AFB

Lab Code: Case No.: TNK SAS No.: SDG No.: PR63

Matrix (soil/water): SOIL Lab Sample ID: H174400

Level (low/med): LOW Date Received: 07/09/91

% Solids: 75.8

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	0.79	B	UJ	F
7440-38-2	Arsenic	2.6		J	F
7440-39-3	Barium	554		J	F
7440-41-7	Beryllium	0.42	B	U	F
7440-43-9	Cadmium	0.79	B	UJ	F
7440-70-2	Calcium				NR
7440-47-3	Chromium	26.5		J	F
7440-48-4	Cobalt	7.1	B	U	F
7440-50-8	Copper	6.1	B		F
7439-89-6	Iron				NR
7439-92-1	Lead	17.7		S	F
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.06	U		CV
7440-02-0	Nickel	8.4	B	U	F
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.26	B	UJ	F
7440-22-4	Silver		B	R	F
7440-23-5	Sodium				NR
7440-28-0	Thallium	0.52	U		F
7440-62-2	Vanadium	19.8			F
7440-66-6	Zinc	37.0			F
	Cyanide				NR
7440-42-8	Boron				NR
7440-24-6	Strontium				NR

Color Before: BROWN Clarity Before: Texture: COARS

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
CLIENT ID: TOC-SD18-E-0000

U.S. EPA - CLP

EPA SAMPLE

1

INORGANIC ANALYSIS DATA SHEET

TCCS16

Lab Name: NUS Laboratory Contract: Tinker AFB

Lab Code: Case No.: TNK SAS No.: SDG No.: PRG3

Matrix (soil/water): SOIL Lab Sample ID: H174400

Level (low/med): LOW Date Received: 07/09/91

% Solids: 75.8

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	0.79	B	UJ	F
7440-38-2	Arsenic	2.6		J	F
7440-39-3	Barium	554		J	P
7440-41-7	Beryllium	0.42	B	U	P
7440-43-9	Cadmium	0.79	B	UJ	P
7440-70-2	Calcium				NR
7440-47-3	Chromium	26.5		J	P
7440-48-4	Cobalt	7.1	B	U	P
7440-50-8	Copper	6.1	B		P
7439-89-6	Iron				NR
7439-92-1	Lead	17.7		S	F
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.06	U		CV
7440-02-0	Nickel	8.4	B	U	P
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.26	UWB	UJ	F
7440-22-4	Silver	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	P
7440-23-5	Sodium				NR
7440-28-0	Thallium	0.52	U		F
7440-62-2	Vanadium	19.8			P
7440-66-6	Zinc	37.0			P
	Cyanide				NR
7440-42-8	Boron				NR
7440-24-6	Strontium				NR

Color Before: BROWN Clarity Before: Texture: COARS

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
CLIENT ID: TCC-SD18-E-0000

U.S. EPA - CLP

EPA SAMPLE NO.

1

INORGANIC ANALYSIS DATA SHEET

TCCS

Lab Name: NUS Laboratory Contract: Tinker AFB

Lab Code: Case No.: TNK SAS No.: SDG No.: FK63

Matrix (soil/water): SOIL Lab Sample ID: H174401

Level (low/med): LOW Date Received: 07/09/91

% Solids: 76.3

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	0.75	~~U~~	UJ	F
7440-38-2	Arsenic	3.5	~~N~~	J	F
7440-39-3	Barium	1120	~~-~~	J	P
7440-41-7	Beryllium	0.60	~~-~~	U	P
7440-43-9	Cadmium	0.75	~~-~~	UJ	P
7440-70-2	Calcium		~~-~~		NR
7440-47-3	Chromium	35.3	~~-~~	J	P
7440-48-4	Cobalt	13.9		U	P
7440-50-8	Copper	9.7			P
7439-89-6	Iron		~~-~~		NR
7439-92-1	Lead	21.3	~~N~~	J	F
7439-95-4	Magnesium		~~-~~		NR
7439-96-5	Manganese		~~-~~		NR
7439-97-6	Mercury	0.06	U		CV
7440-02-0	Nickel	11.6		U	P
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.26	~~N~~	UJ	F
7440-22-4	Silver	~~1.2~~	~~U~~	R	P
7440-23-5	Sodium				NR
7440-28-0	Thallium	0.51	U		F
7440-62-2	Vanadium	43.3			P
7440-66-6	Zinc	39.3			P
	Cyanide				NR
7440-42-8	Boron				NR
7440-24-6	Strontium				NR

Color Before: BROWN Clarity Before: Texture: COARSE

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
CLIENT ID: TCC-SD19-1-0000

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EPA SAMPLE NO.

1

INORGANIC ANALYSIS DATA SHEET

TOCS

Lab Name: NUS Laboratory Contract: Tinker AFB

Lab Code: Case No.: TNK SAS No.: SDG No.: FK63

Matrix (soil/water): SOIL Lab Sample ID: H174401

Level (low/med): LOW Date Received: 07/09/91

% Solids: 76.3

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	0.75		UJ	F
7440-38-2	Arsenic	3.5		J	F
7440-39-3	Barium	1120		J	P
7440-41-7	Beryllium	0.60		U	P
7440-43-9	Cadmium	0.75		UJ	P
7440-70-2	Calcium				NR
7440-47-3	Chromium	35.3		J	P
7440-48-4	Cobalt	13.9			P
7440-50-8	Copper	9.7			P
7439-89-6	Iron				NR
7439-92-1	Lead	21.3		J	F
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.06	U		CV
7440-02-0	Nickel	11.6		U	P
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.26		UJ	F
7440-22-4	Silver	1.3	U	R	P
7440-23-5	Sodium				NR
7440-28-0	Thallium	0.51	U		F
7440-62-2	Vanadium	43.3			P
7440-66-6	Zinc	39.3			P
	Cyanide				NR
7440-42-8	Boron				NR
7440-24-6	Strontium				NR

Color Before: BROWN Clarity Before: Texture: COARSE

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
CLIENT ID: TOC-SD19-1-0000

EPA SAMPLE NO.

TCCS20

1

INORGANIC ANALYSIS DATA SHEET

Lab Name: NUS Laboratory Contract: Tinker AFB

Lab Code: Case No.: TNK SAS No.: SDG No.: PK63

Matrix (soil/water): SOIL Lab Sample ID: H174447

Level (low/med): LOW Date Received: 07/09/91

% Solids: 71.6

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	0.81		UJ	F
7440-38-2	Arsenic	2.5		J	F
7440-39-3	Barium	451		J	F
7440-41-7	Beryllium	0.43		U	F
7440-43-9	Cadmium	0.80		UJ	F
7440-70-2	Calcium				NR
7440-47-3	Chromium	11.4		J	F
7440-48-4	Cobalt	8.0		U	F
7440-50-8	Copper	4.6			F
7439-89-6	Iron				NR
7439-92-1	Lead	8.3		J	F
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.07	U		CV
7440-02-0	Nickel	9.7		U	F
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.27		UJ	F
7440-22-4	Silver	1.4		R	F
7440-23-5	Sodium				NR
7440-28-0	Thallium	0.55	U		F
7440-62-2	Vanadium	22.2			F
7440-66-6	Zinc	36.9			F
	Cyanide				NR
7440-42-8	Boron				NR
7440-24-6	Strontium				NR

Color Before: BROWN Clarity Before: Texture: COARS

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
CLIENT ID: TCC-SD20-[illegible]

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

TCCS20

Lab Name: NUS Laboratory Contract: Tinker AFB

Lab Code: Case No.: TNK SAS No.: SDG No.: PKG3

Matrix (soil/water): SOIL Lab Sample ID: H174447

Level (low/med): LOW Date Received: 07/09/91

% Solids: 71.6

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	0.81		UJ	F
7440-38-2	Arsenic	2.5		J	F
7440-39-3	Barium	451		J	F
7440-41-7	Beryllium	0.43		U	F
7440-43-9	Cadmium	0.80		UJ	F
7440-70-2	Calcium				NR
7440-47-3	Chromium	11.4		J	F
7440-48-4	Cobalt	8.0		U	F
7440-50-8	Copper	4.6			F
7439-89-6	Iron				NR
7439-92-1	Lead	8.3		J	F
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.07	U		CV
7440-02-0	Nickel	9.7		U	F
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.27		UJ	F
7440-22-4	Silver	1.4		R	F
7440-23-5	Sodium				NR
7440-28-0	Thallium	0.55	U		F
7440-62-2	Vanadium	22.2			F
7440-66-6	Zinc	36.9			F
	Cyanide				NR
7440-42-8	Boron				NR
7440-24-6	Strontium				NR

Color Before: BROWN Clarity Before: Texture: COARS

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
CLIENT ID: TCC-SD20-2-0000

U.S. EPA - CLP

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

TCCS21

Lab Name: NUS Laboratory Contract: Tinker AFB

Lab Code: Case No.: TNK SAS No.: SDG No.: PKG3

Matrix (soil/water): SOIL Lab Sample ID: H174393

Level (low/med): LOW Date Received: 07/09/91

% Solids: 73.7

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3300			P
7440-36-0	Antimony	0.79	U	UJ	P
7440-38-2	Arsenic	2.2		J	P
7440-39-3	Barium	311		J	P
7440-41-7	Beryllium	0.37		U	P
7440-43-9	Cadmium	0.79	U	UJ	P
7440-70-2	Calcium	6440		J	P
7440-47-3	Chromium	17.1		J	P
7440-48-4	Cobalt	4.2		U	P
7440-50-8	Copper	3.5			P
7439-89-6	Iron	4720		J	P
7439-92-1	Lead	10.6		J	P
7439-95-4	Magnesium	2470		J	P
7439-96-5	Manganese	388		J	P
7439-97-6	Mercury	0.06	U		CV
7440-02-0	Nickel	4.8	U	U	P
7440-09-7	Potassium	451	U		P
7782-49-2	Selenium	0.27		UJ	P
7440-22-4	Silver	~~1.8~~	~~U~~	R	P
7440-23-5	Sodium	708	U		P
7440-28-0	Thallium	0.52	U		P
7440-62-2	Vanadium	8.7			P
7440-66-6	Zinc	23.8			P
	Cyanide				NR
7440-42-8	Boron	26.2	U		P
7440-24-6	Strontium	26.2	U		P

Color Before: BROWN Clarity Before: Texture: COARSE

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
CLIENT ID: TCC-SD21-E-0000

U.S. EPA - CLP

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

TCCS21

Lab Name: NUS Laboratory Contract: Tinker AFB

Lab Code: Case No.: TNK SAS No.: SDG No.: FH63

Matrix (soil/water): SOIL Lab Sample ID: H174393

Level (low/med): LOW Date Received: 07/09/91

% Solids: 73.7

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3300			P
7440-36-0	Antimony	0.79	U	UJ	P
7440-38-2	Arsenic	2.2		J	P
7440-39-3	Barium	311		J	P
7440-41-7	Beryllium	0.37		U	P
7440-43-9	Cadmium	0.79	U	UJ	P
7440-70-2	Calcium	6440		J	P
7440-47-3	Chromium	17.1		J	P
7440-48-4	Cobalt	4.2		U	P
7440-50-8	Copper	3.5			P
7439-89-6	Iron	4720		J	P
7439-92-1	Lead	10.6		J	P
7439-95-4	Magnesium	2470		J	P
7439-96-5	Manganese	388		J	P
7439-97-6	Mercury	0.06	U		CV
7440-02-0	Nickel	4.8	U	U	P
7440-09-7	Potassium	451	U		P
7782-49-2	Selenium	0.27		UJ	P
7440-22-4	Silver	~~1.2~~		R	P
7440-23-5	Sodium	708	U		P
7440-28-0	Thallium	0.52	U		P
7440-62-2	Vanadium	8.7			P
7440-66-6	Zinc	23.8			P
	Cyanide				NR
7440-42-8	Boron	26.2	U		P
7440-24-6	Strontium	26.2	U		P

Color Before: BROWN Clarity Before: Texture: COARSE

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
CLIENT ID: TCC-SD21-E-0000

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

TECS22

Lab Name: NUS Laboratory Contract: Tinker AFB

Lab Code: Case No.: TNK SAS No.: SDG No.: PKG2

Matrix (soil/water): SOIL Lab Sample ID: H174375

Level (low/med): LOW Date Received: 07/06/91

% Solids: 71.7

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	9230			P
7440-36-0	Antimony	0.81	U	UJ	P
7440-38-2	Arsenic	0.97	B W	J	P
7440-39-3	Barium	274		J	P
7440-41-7	Beryllium	1.0	B	K	P
7440-43-9	Cadmium	0.81	U		P
7440-70-2	Calcium	1810			P
7440-47-3	Chromium	15.0			P
7440-48-4	Cobalt	9.1	B	K	P
7440-50-8	Copper	3.5	B	J	P
7439-89-6	Iron	11300		J	P
7439-92-1	Lead	5.4			P
7439-95-4	Magnesium	2240		J	P
7439-96-5	Manganese	454		J	P
7439-97-6	Mercury	0.07	B		CV
7440-02-0	Nickel	14.5		K	P
7440-09-7	Potassium	1400			P
7782-49-2	Selenium	0.27	U		P
7440-22-4	Silver	1.3	U		P
7440-23-5	Sodium	729	B	UJ	P
7440-28-0	Thallium	0.55	B W	UJ J	P
7440-62-2	Vanadium	15.1		J	P
7440-66-6	Zinc	24.4			P
	Cyanide				NR
7440-42-8	Boron	27.0	B	UJ	P
7440-24-6	Strontium	27.0	U		P

Color Before: BROWN Clarity Before: Texture: COARS

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
CLIENT ID: TEC-SD22-E-0000

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

TECS22

Lab Name: NUS Laboratory Contract: Tinker AFB

Lab Code: Case No.: TNK SAS No.: SDG No.: PKG2

Matrix (soil/water): SOIL Lab Sample ID: H174375

Level (low/med): LOW Date Received: 07/06/91

% Solids: 71.7

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	9230			P
7440-36-0	Antimony	0.81	U	UJ	F
7440-38-2	Arsenic	0.97	B	J	F
7440-39-3	Barium	274		J	P
7440-41-7	Beryllium	1.0	B	K	P
7440-43-9	Cadmium	0.81	U		P
7440-70-2	Calcium	1810			P
7440-47-3	Chromium	15.0			P
7440-48-4	Cobalt	9.1	B	K	P
7440-50-8	Copper	3.5	B	J	P
7439-89-6	Iron	11300		J	P
7439-92-1	Lead	5.4			F
7439-95-4	Magnesium	2240		J	P
7439-96-5	Manganese	454		J	P
7439-97-6	Mercury	0.07	B		CV
7440-02-0	Nickel	14.5		K	P
7440-09-7	Potassium	1400			P
7782-49-2	Selenium	0.27	U		F
7440-22-4	Silver	1.3	U		P
7440-23-5	Sodium	729	B	UJ	P
7440-28-0	Thallium	0.55	B W	UJ	F
7440-62-2	Vanadium	15.1		J	P
7440-66-6	Zinc	24.4			P
	Cyanide				NR
7440-42-8	Boron	27.0	B	UJ	P
7440-24-6	Strontium	27.0	U		P

Color Before: BROWN Clarity Before: Texture: COARS

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
CLIENT ID: TEC-SD22-E-0000

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1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

TECS22E

Lab Name: NUS CORPORATION Contract: _____

Lab Code: NUS___ Case No.: TNK___ SAS No.: _____ SDG No.: PKG2__

Matrix (soil/water): SOIL_ Lab Sample ID: P167565___

Level (low/med): _____ Date Received: 07/04/

% Solids: _71.7

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_				NR
7440-36-0	Antimony_				NR
7440-38-2	Arsenic__				NR
7440-39-3	Barium___				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium__				NR
7440-70-2	Calcium__				NR
7440-47-3	Chromium_				NR
7440-48-4	Cobalt___				NR
7440-50-8	Copper___				NR
7439-89-6	Iron____				NR
7439-92-1	Lead____				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury__				NR
7440-02-0	Nickel___				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium_				NR
7440-22-4	Silver___				NR
7440-23-5	Sodium___				NR
7440-28-0	Thallium_				NR
7440-62-2	Vanadium_				NR
7440-66-6	Zinc____				NR
---------	Cyanide__	0.70	U		C

Color Before: BROWN____ Clarity Before: _____ Texture: MED___

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: ___

Comments: TEC-SDZ2-E-0000

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1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

TECS22E

Lab Name: NUS CORPORATION Contract: _____

Lab Code: NUS___ Case No.: TNK___ SAS No.: _____ SDG No.: PKG2__

Matrix (soil/water): SOIL_ Lab Sample ID: P167565___

Level (low/med): _____ Date Received: 07/04/

% Solids: _71.7

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_				NR
7440-36-0	Antimony_				NR
7440-38-2	Arsenic__				NR
7440-39-3	Barium___				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium__				NR
7440-70-2	Calcium__				NR
7440-47-3	Chromium_				NR
7440-48-4	Cobalt___				NR
7440-50-8	Copper___				NR
7439-89-6	Iron_____				NR
7439-92-1	Lead_____				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury__				NR
7440-02-0	Nickel___				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium_				NR
7440-22-4	Silver___				NR
7440-23-5	Sodium___				NR
7440-28-0	Thallium_				NR
7440-62-2	Vanadium_				NR
7440-66-6	Zinc_____				NR
---------	Cyanide__	0.70	U		C_

Color Before: BROWN____ Clarity Before: _____ Texture: MED___

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: ___

Comments: TEC-SDZ2-E-0000

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EPA SAMPLE NO.

1

INORGANIC ANALYSIS DATA SHEET

TEC523

Lab Name: NUS Laboratory Contract: Tinker AFB

Lab Code: Case No.: TNK SAS No.: SDG No.: PKG2

Matrix (soil/water): SOIL Lab Sample ID: H174382

Level (low/med): LOW Date Received: 07/06/91

% Solids: 73.5

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	1.1	~~B~~	J	F
7440-38-2	Arsenic	2.3	~~B~~	J	F
7440-39-3	Barium	552	~~N~~	J	F
7440-41-7	Beryllium	1.1	~~B~~	U	F
7440-43-9	Cadmium	0.82	U		F
7440-70-2	Calcium				NR
7440-47-3	Chromium	27.4			F
7440-48-4	Cobalt	16.2		U	F
7440-50-8	Copper	10.9			F
7439-89-6	Iron				NR
7439-92-1	Lead	10.5			F
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.07	U		CV
7440-02-0	Nickel	30.5		U	F
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.27	U		F
7440-22-4	Silver	1.4	U		F
7440-23-5	Sodium				NR
7440-28-0	Thallium	0.54	~~W~~	JS	F
7440-62-2	Vanadium	63.0		J	F
7440-66-6	Zinc	54.9			F
	Cyanide				NR
7440-42-8	Boron				NR
7440-24-6	Strontium				NR

Color Before: BROWN Clarity Before: Texture: COARSE

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
CLIENT ID: TEC-SD23-E-0000

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1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

TECS23

Lab Name: NUS Laboratory Contract: Tinker AFB

Lab Code: Case No.: TNK SAS No.: SDG No.: PKG2

Matrix (soil/water): SOIL Lab Sample ID: H174382

Level (low/med): LOW Date Received: 07/06/91

% Solids: 73.5

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	1.1	~~BL~~	J	F
7440-38-2	Arsenic	2.3	~~BL~~	J	F
7440-39-3	Barium	552	N	J	P
7440-41-7	Beryllium	1.1	~~BL~~	U	P
7440-43-9	Cadmium	0.82	U		P
7440-70-2	Calcium				NR
7440-47-3	Chromium	27.4			P
7440-48-4	Cobalt	16.2		U	P
7440-50-8	Copper	10.9			P
7439-89-6	Iron				NR
7439-92-1	Lead	10.5			F
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.07	U		CV
7440-02-0	Nickel	30.5		U	P
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.27	U		F
7440-22-4	Silver	1.4	U		P
7440-23-5	Sodium				NR
7440-28-0	Thallium	0.54	~~BTW~~	JS	F
7440-62-2	Vanadium	63.0		J	P
7440-66-6	Zinc	54.9			P
	Cyanide				NR
7440-42-8	Boron				NR
7440-24-6	Strontium				NR

Color Before: BROWN Clarity Before: Texture: COARSE

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
CLIENT ID: TEC-SD23-E-0000

U.S. EPA - CLP

EPA SAMPLE NO

1

INORGANIC ANALYSIS DATA SHEET

TECS.

Lab Name: NUS Laboratory Contract: Tinker AFB

Lab Code: Case No.: TNK SAS No.: SDG No.: PKG2

Matrix (soil/water): SOIL Lab Sample ID: H174383

Level (low/med): LOW Date Received: 07/06/91

% Solids: 72.9

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	0.99	~~B~~	J	F
7440-38-2	Arsenic	3.7		J	F
7440-39-3	Barium	582	~~B~~	J	P
7440-41-7	Beryllium	1.2	~~B~~	U	P
7440-43-9	Cadmium	4.2		U	P
7440-70-2	Calcium				NR
7440-47-3	Chromium	318			P
7440-48-4	Cobalt	12.7	~~B~~	U	P
7440-50-8	Copper	11.2			P
7439-89-6	Iron				NR
7439-92-1	Lead	26.2			F
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.07	U		CV
7440-02-0	Nickel	21.9		U	P
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.28	U		F
7440-22-4	Silver	1.4	U		P
7440-23-5	Sodium				NR
7440-28-0	Thallium	0.55	~~UWB~~	UJ	F
7440-62-2	Vanadium	61.0		J	P
7440-66-6	Zinc	60.0			P
	Cyanide				NR
7440-42-8	Boron				NR
7440-24-6	Strontium				NR

Color Before: BROWN Clarity Before: Texture: COARS

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
CLIENT ID: TEC-SD24-E-0000

U.S. EPA - CLP

EPA SAMPLE NO.

1

INORGANIC ANALYSIS DATA SHEET

TEC5.

Lab Name: NUS Laboratory Contract: Tinker AFB

Lab Code: Case No.: TNK SAS No.: SDG No.: PKG2

Matrix (soil/water): SOIL Lab Sample ID: H174383

Level (low/med): LOW Date Received: 07/06/91

% Solids: 72.9

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	0.99	B	J	F
7440-38-2	Arsenic	3.7		J	F
7440-39-3	Barium	582	N	J	P
7440-41-7	Beryllium	1.2	B	U	P
7440-43-9	Cadmium	4.2		U	P
7440-70-2	Calcium				NR
7440-47-3	Chromium	318			P
7440-48-4	Cobalt	12.7	B	U	P
7440-50-8	Copper	11.2			P
7439-89-6	Iron				NR
7439-92-1	Lead	26.2			F
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.07	U		CV
7440-02-0	Nickel	21.9		U	P
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.28	U		F
7440-22-4	Silver	1.4	U		P
7440-23-5	Sodium				NR
7440-28-0	Thallium	0.55	UN	UJ	F
7440-62-2	Vanadium	61.0		J	P
7440-66-6	Zinc	60.0			P
	Cyanide				NR
7440-42-8	Boron				NR
7440-24-6	Strontium				NR

Color Before: BROWN Clarity Before: Texture: COARS

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
CLIENT ID: TEC-SD24-E-0000

EPA SAMPLE NO.

1

INORGANIC ANALYSIS DATA SHEET

TCCS25

Lab Name: NUS Laboratory Contract: Tinker AFB

Lab Code: Case No.: TNK SAS No.: SDG No.: 9063

Matrix (soil/water): SOIL Lab Sample ID: H174448

Level (low/med): LOW Date Received: 07/09/91

% Solids: 77.2

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	1.7		J	P
7440-38-2	Arsenic	4.0		J	P
7440-39-3	Barium	658		J	P
7440-41-7	Beryllium	0.60		U	P
7440-43-9	Cadmium	3.4		U	P
7440-70-2	Calcium				NR
7440-47-3	Chromium	15.4		J	P
7440-48-4	Cobalt	13.2		U	P
7440-50-8	Copper	23.2			P
7439-89-6	Iron				NR
7439-92-1	Lead	75.3		J	P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.07	U		CV
7440-02-0	Nickel	14.3		U	P
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.29		J	P
7440-22-4	Silver	~~1.9~~		R	P
7440-23-5	Sodium				NR
7440-28-0	Thallium	0.50	U		P
7440-62-2	Vanadium	23.8			P
7440-66-6	Zinc	97.7			P
	Cyanide				NR
7440-42-8	Boron				NR
7440-24-6	Strontium				NR

Color Before: BROWN Clarity Before: Texture: COARS

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
CLIENT ID: TCC-SD25-[illegible]

U.S. EPA - CLP

EPA SAMPLE NO.

1

INORGANIC ANALYSIS DATA SHEET

TCCS25

Lab Name: NUS Laboratory Contract: Tinker AFB

Lab Code: Case No.: TNK SAS No.: SDG No.: PKG3

Matrix (soil/water): SOIL Lab Sample ID: H174448

Level (low/med): LOW Date Received: 07/09/91

% Solids: 77.2

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	1.7		J	F
7440-38-2	Arsenic	4.0		J	F
7440-39-3	Barium	658		J	P
7440-41-7	Beryllium	0.60		U	P
7440-43-9	Cadmium	3.4		U	P
7440-70-2	Calcium				NR
7440-47-3	Chromium	15.4		J	P
7440-48-4	Cobalt	13.2		U	P
7440-50-8	Copper	23.2			P
7439-89-6	Iron				NR
7439-92-1	Lead	75.3		J	F
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.07	U		CV
7440-02-0	Nickel	14.3		U	P
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.29		J	F
7440-22-4	Silver	1.8		R	P
7440-23-5	Sodium				NR
7440-28-0	Thallium	0.50	U		F
7440-62-2	Vanadium	23.8			P
7440-66-6	Zinc	97.7			P
	Cyanide				NR
7440-42-8	Boron				NR
7440-24-6	Strontium				NR

Color Before: BROWN Clarity Before: Texture: COAR

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
CLIENT ID: TCC-SD25-B-0000

U.S. EPA - CLP

EPA SAMPLE NO.

TCCF

INORGANIC ANALYSIS DATA SHEET

Lab Name: NUS Laboratory Contract: Tinker AFB

Lab Code: Case No.: TNK SAS No.: SDG No.: PKG3

Matrix (soil/water): SOIL Lab Sample ID: H174449

Level (low/med): LOW Date Received: 07/09/91

% Solids: 77.2

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	0.81		J	P
7440-38-2	Arsenic	3.7		J	P
7440-39-3	Barium	918		J	P
7440-41-7	Beryllium	0.66		U	P
7440-43-9	Cadmium	2.9		U	P
7440-70-2	Calcium				NR
7440-47-3	Chromium	18.4		J	P
7440-48-4	Cobalt	15.4		U	P
7440-50-8	Copper	23.7			P
7439-89-6	Iron				NR
7439-92-1	Lead	123		J	P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.06	U		CV
7440-02-0	Nickel	21.9		U	P
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.36		J	P
7440-22-4	Silver	8.5		J	P
7440-23-5	Sodium				NR
7440-28-0	Thallium	0.51	U		P
7440-62-2	Vanadium	29.9			P
7440-66-6	Zinc	89.2			P
	Cyanide				NR
7440-42-8	Boron				NR
7440-24-6	Strontium				NR

Color Before: BROWN Clarity Before: Texture: COARS

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
CLIENT ID: TCC-SD25-F-0000

FIELD DUPLICATE OF
TCC-SD25-E-0000

U.S. EPA - CLP

EPA SAMPLE NO.

TCCF

INORGANIC ANALYSIS DATA SHEET

Lab Name: NUS Laboratory Contract: Tinker AFB

Lab Code: Case No.: TNK SAS No.: SDG No.: PK63

Matrix (soil/water): SOIL Lab Sample ID: H174449

Level (low/med): LOW Date Received: 07/09/91

% Solids: 77.2

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	0.81		J	P
7440-38-2	Arsenic	3.7		J	P
7440-39-3	Barium	918		J	P
7440-41-7	Beryllium	0.66		U	P
7440-43-9	Cadmium	2.9		U	P
7440-70-2	Calcium				NR
7440-47-3	Chromium	18.4		J	P
7440-48-4	Cobalt	15.4		U	P
7440-50-8	Copper	23.7			P
7439-89-6	Iron				NR
7439-92-1	Lead	123		J	F
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.06	U		CV
7440-02-0	Nickel	21.9		U	P
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.36		J	F
7440-22-4	Silver	8.5		J	P
7440-23-5	Sodium				NR
7440-28-0	Thallium	0.51	U		F
7440-62-2	Vanadium	29.9			P
7440-66-6	Zinc	89.2			P
	Cyanide				NR
7440-42-8	Boron				NR
7440-24-6	Strontium				NR

Color Before: BROWN Clarity Before: Texture: COARSE

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

CLIENT ID: TCC-SD25-F-0000

FIELD DUPLICATE OF

TCC-SD25-E-0000

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE No.

TCCS26

Lab Name: NUS Laboratory Contract: Tinker AFB

Lab Code: Case No.: TNK SAS No.: SDG No.: PK62

Matrix (soil/water): SOIL Lab Sample ID: H174450

Level (low/med): LOW Date Received: 07/09/91

% Solids: 70.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	0.84		UJ	F
7440-38-2	Arsenic	2.2		J	F
7440-39-3	Barium	629		J	P
7440-41-7	Beryllium	0.61		U	P
7440-43-9	Cadmium	0.84		UJ	P
7440-70-2	Calcium				NR
7440-47-3	Chromium	8.2		J	P
7440-48-4	Cobalt	6.5		U	P
7440-50-8	Copper	6.5			P
7439-89-6	Iron				NR
7439-92-1	Lead	309		J	F
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.06	U		CV
7440-02-0	Nickel	9.5		U	P
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.29		UJ	F
7440-22-4	Silver	1.4		R	P
7440-23-5	Sodium				NR
7440-28-0	Thallium	0.55	U		F
7440-62-2	Vanadium	21.0			P
7440-66-6	Zinc	59.1			P
	Cyanide				NR
7440-42-8	Boron				NR
7440-24-6	Strontium				NR

Color Before: BROWN Clarity Before: Texture: COARS

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
CLIENT ID: TCC-SD26-E-[illegible]

EPA SAMPLE No.

1

INORGANIC ANALYSIS DATA SHEET

TOCS26

Lab Name: NUS Laboratory Contract: Tinker AFB

Lab Code: Case No.: TNK SAS No.: SDG No.: PK62

Matrix (soil/water): SOIL Lab Sample ID: H174450

Level (low/med): LOW Date Received: 07/09/91

% Solids: 70.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	0.84		UJ	F
7440-38-2	Arsenic	2.2		J	F
7440-39-3	Barium	629		J	P
7440-41-7	Beryllium	0.61		U	P
7440-43-9	Cadmium	0.84		UJ	P
7440-70-2	Calcium				NR
7440-47-3	Chromium	8.2		J	P
7440-48-4	Cobalt	6.5		U	P
7440-50-8	Copper	6.5			P
7439-89-6	Iron				NR
7439-92-1	Lead	309		J	F
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.06	U		CV
7440-02-0	Nickel	9.5		U	P
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.29		UJ	F
7440-22-4	Silver			R	P
7440-23-5	Sodium				NR
7440-28-0	Thallium	0.55	U		F
7440-62-2	Vanadium	21.0			P
7440-66-6	Zinc	59.1			P
	Cyanide				NR
7440-42-8	Boron				NR
7440-24-6	Strontium				NR

Color Before: BROWN Clarity Before: Texture: COARS

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
CLIENT ID: TOC-SD26-E-[illegible]

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E-2

SEMIVOLATILE ORGANIC COMPOUNDS IN SEDIMENT - JULY 1991

E-2

SEMIVOLATILE ORGANIC COMPOUNDS IN SEDIMENT - JULY 1991

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ORGANICS ANALYSIS DATA SHEET

SAMPLE N

TKCSD01E00

Lab Name: NUS-LSG Contract: .

Lab Code: NUS-LSG Case No.: TNK SAS No.: SDG No.: PKG2

Matrix: (soil/water) SOIL Lab Sample ID: P167566

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP07269101

Level: (low/med) LOW Date Received: 07/04/91

% Moisture: not dec. 21 dec. Date Extracted: 07/11/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/26/91

GPC Cleanup: (Y/N) N pH: 7.9 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
62-75-9	N-Nitrosodimethylamine	420	U
108-95-2	Phenol	420	U
62-53-3	Aniline	420	U
111-44-4	bis(2-Chloroethyl)Ether	420	U
95-57-8	2-Chlorophenol	420	U
541-73-1	1,3-Dichlorobenzene	420	U
106-46-7	1,4-Dichlorobenzene	420	U
100-51-6	Benzyl Alcohol	420	U
95-50-1	1,2-Dichlorobenzene	420	U
95-48-7	2-Methylphenol	420	U
39638-32-9	bis(2-Chloroisopropyl)Ether	420	U
106-44-5	4-Methylphenol	420	U
621-64-7	N-Nitroso-Di-n-Propylamine	420	U
67-72-1	Hexachloroethane	420	U
98-95-3	Nitrobenzene	420	U
78-59-1	Isophorone	420	U
88-75-5	2-Nitrophenol	420	U
105-67-9	2,4-Dimethylphenol	420	U
111-91-1	bis(2-Chloroethoxy)Methane	420	U
120-83-2	2,4-Dichlorophenol	420	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE N

TKCSD01E000

Lab Name: NUS-LSG Contract: .

Lab Code: NUS-LSG Case No.: TNK SAS No.: SDG No.: PKG2

Matrix: (soil/water) SOIL Lab Sample ID: P167566

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP07269101

Level: (low/med) LOW Date Received: 07/04/91

% Moisture: not dec. 21 dec. Date Extracted: 07/11/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/26/91

GPC Cleanup: (Y/N) N pH: 7.9 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
62-75-9	N-Nitrosodimethylamine	420	U
108-95-2	Phenol	420	U
62-53-3	Aniline	420	U
111-44-4	bis(2-Chloroethyl)Ether	420	U
95-57-8	2-Chlorophenol	420	U
541-73-1	1,3-Dichlorobenzene	420	U
106-46-7	1,4-Dichlorobenzene	420	U
100-51-6	Benzyl Alcohol	420	U
95-50-1	1,2-Dichlorobenzene	420	U
95-48-7	2-Methylphenol	420	U
39638-32-9	bis(2-Chloroisopropyl)Ether	420	U
106-44-5	4-Methylphenol	420	U
621-64-7	N-Nitroso-Di-n-Propylamine	420	U
67-72-1	Hexachloroethane	420	U
98-95-3	Nitrobenzene	420	U
78-59-1	Isophorone	420	U
88-75-5	2-Nitrophenol	420	U
105-67-9	2,4-Dimethylphenol	420	U
111-91-1	bis(2-Chloroethoxy)Methane	420	U
120-83-2	2,4-Dichlorophenol	420	U

1X

ORGANICS ANALYSIS DATA SHEET

SAMPLE NO

TKCSD01E0000

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG2

Matrix: (soil/water) SOIL Lab Sample ID: P167566

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP07269101

Level: (low/med) LOW Date Received: 07/04/91

% Moisture: not dec. 21 dec. _____ Date Extracted: 07/11/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/26/91

GPC Cleanup: (Y/N) N pH: 7.9 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
120-82-1	1,2,4-Trichlorobenzene	420	U
91-20-3	Naphthalene	420	U
106-47-8	4-Chloroaniline	420	U
87-68-3	Hexachlorobutadiene	420	U
59-50-7	4-Chloro-3-Methylphenol	420	U
91-57-6	2-Methylnaphthalene	420	U
77-47-4	Hexachlorocyclopentadiene	420	U
88-06-2	2,4,6-Trichlorophenol	2000	U
95-95-4	2,4,5-Trichlorophenol	420	U
91-58-7	2-Chloronaphthalene	2000	U
88-74-4	2-Nitroaniline	420	U
131-11-3	Dimethyl Phthalate	420	U
208-96-8	Acenaphthylene	420	U
606-20-2	2,6-Dinitrotoluene	2000	U
99-09-2	3-Nitroaniline	420	U
83-32-9	Acenaphthene	2000	U
51-28-5	2,4-Dinitrophenol	2000	~~U~~ UJ
100-02-7	4-Nitrophenol	420	U
132-64-9	Dibenzofuran	420	U
121-14-2	2,4-Dinitrotoluene		

1X

ORGANICS ANALYSIS DATA SHEET

SAMPLE NO

TKCSD01E0000

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG2

Matrix: (soil/water) SOIL Lab Sample ID: P167566

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP07269101

Level: (low/med) LOW Date Received: 07/04/91

% Moisture: not dec. 21 dec. ____ Date Extracted: 07/11/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/26/91

GPC Cleanup: (Y/N) N pH: 7.9 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
120-82-1	1,2,4-Trichlorobenzene	420	U
91-20-3	Naphthalene	420	U
106-47-8	4-Chloroaniline	420	U
87-68-3	Hexachlorobutadiene	420	U
59-50-7	4-Chloro-3-Methylphenol	420	U
91-57-6	2-Methylnaphthalene	420	U
77-47-4	Hexachlorocyclopentadiene	420	U
88-06-2	2,4,6-Trichlorophenol	420	U
95-95-4	2,4,5-Trichlorophenol	2000	U
91-58-7	2-Chloronaphthalene	420	U
88-74-4	2-Nitroaniline	2000	U
131-11-3	Dimethyl Phthalate	420	U
208-96-8	Acenaphthylene	420	U
606-20-2	2,6-Dinitrotoluene	420	U
99-09-2	3-Nitroaniline	2000	U
83-32-9	Acenaphthene	420	U
51-28-5	2,4-Dinitrophenol	2000	U
100-02-7	4-Nitrophenol	2000	~~U~~ UJ
132-64-9	Dibenzofuran	420	U
121-14-2	2,4-Dinitrotoluene	420	U

1X

ORGANICS ANALYSIS DATA SHEET

SAMPLE NO

TKCSD01E000

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG2

Matrix: (soil/water) SOIL Lab Sample ID: P167566

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP07269101

Level: (low/med) LOW Date Received: 07/04/91

% Moisture: not dec. 21 dec. _____ Date Extracted: 07/11/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/26/91

GPC Cleanup: (Y/N) N pH: 7.9 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
84-66-2	Diethylphthalate	420	U
7005-72-3	4-Chlorophenyl-phenylether	420	U
86-73-7	Fluorene	420	U
100-10-6	4-Nitroaniline	2000	U
534-52-1	4,6-Dinitro-2-Methylphenol	2000	U
86-30-6	N-Nitrosodiphenylamine (1)	420	U
101-55-3	4-Bromophenyl-phenylether	420	U
118-74-1	Hexachlorobenzene	420	U
87-86-5	Pentachlorophenol	2000	U
85-01-8	Phenanthrene	890	
120-12-7	Anthracene	420	U
84-74-2	Di-n-Butylphthalate	420	U
206-44-0	Fluoranthene	1300	
129-00-0	Pyrene	820	
85-68-7	Butylbenzylphthalate	420	U
91-94-1	3,3'-Dichlorobenzidine	840	U
56-55-3	Benzo(a)Anthracene	410	J
218-01-9	Chrysene	500	
117-81-7	bis(2-Ethylhexyl)Phthalate	420	U
117-84-0	Di-n-Octyl Phthalate	420	U

SAMPLE NO

1X

ORGANICS ANALYSIS DATA SHEET

TKCSD01E0000

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG2

Matrix: (soil/water) SOIL Lab Sample ID: P167566

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP07269101

Level: (low/med) LOW Date Received: 07/04/91

% Moisture: not dec. 21 dec. _____ Date Extracted: 07/11/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/26/91

GPC Cleanup: (Y/N) N pH: 7.9 Dilution Factor: 1.00

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND		Q
84-66-2	Diethylphthalate	420	U
7005-72-3	4-Chlorophenyl-phenylether	420	U
86-73-7	Fluorene	420	U
100-10-6	4-Nitroaniline	2000	U
534-52-1	4,6-Dinitro-2-Methylphenol	2000	U
86-30-6	N-Nitrosodiphenylamine (1)	420	U
101-55-3	4-Bromophenyl-phenylether	420	U
118-74-1	Hexachlorobenzene	420	U
87-86-5	Pentachlorophenol	2000	U
85-01-8	Phenanthrene	890	
120-12-7	Anthracene	420	U
84-74-2	Di-n-Butylphthalate	420	U
206-44-0	Fluoranthene	1300	
129-00-0	Pyrene	820	
85-68-7	Butylbenzylphthalate	420	U
91-94-1	3,3'-Dichlorobenzidine	840	U
56-55-3	Benzo(a)Anthracene	410	J
218-01-9	Chrysene	500	
117-81-7	bis(2-Ethylhexyl)Phthalate	420	U
117-84-0	Di-n-Octyl Phthalate	420	U

1X

ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TKCSD01E0000

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG2

Matrix: (soil/water) SOIL Lab Sample ID: P167566

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP07269101

Level: (low/med) LOW Date Received: 07/04/91

% Moisture: not dec. 21 dec. _____ Date Extracted: 07/11/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/26/91

GPC Cleanup: (Y/N) N pH: 7.9 Dilution Factor: 1.00

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND		Q
205-99-2	Benzo(b)Fluoranthene	700	
207-08-9	Benzo(k)Fluoranthene	420	U
50-32-8	Benzo(a)Pyrene	350	J
193-39-5	Indeno(1,2,3-cd)Pyrene	210	J
53-70-3	Dibenzo(a,h)Anthracene	420	U
191-24-2	Benzo(g,h,i)Perylene	230	J
58-90-2	2,3,4,6-Tetrachlorophenol	420	U
109-06-8	Pyridine, 2-Methyl (2-Picolin	420	U
62-50-0	Methanesulfonic acid, Ethyl	420	U
100-75-4	N-Nitrosopiperidine	420	U
87-65-0	2,6-Dichlorophenol	420	U
924-16-3	N-Nitroso-di-n-butylamine	420	U
66-27-3	Methanesulfonic acid, Methyl	420	~~U~~ UJ
98-86-2	Acetophenone	420	U
122-09-8	A,A-Dimethylphenylamine	420	U
608-93-5	Pentachlorobenzene	420	U
92-67-1	4-Amino Biphenyl	420	~~U~~ UJ
60-11-7	P-Dimethylaminoazobenzene	420	U
57-97-6	7,12-Dimethyl Benzo(A)Anthrac	420	~~U~~ UJ
95-94-3	1,2,4,5-Tetrachlorobenzene	420	U

1X

ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TKCSD01E0000

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG2

Matrix: (soil/water) SOIL Lab Sample ID: P167566

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP07269101

Level: (low/med) LOW Date Received: 07/04/91

% Moisture: not dec. 21 dec. _____ Date Extracted: 07/11/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/26/91

GPC Cleanup: (Y/N) N pH: 7.9 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
205-99-2	Benzo(b)Fluoranthene	700	
207-08-9	Benzo(k)Fluoranthene	420	U
50-32-8	Benzo(a)Pyrene	350	J
193-39-5	Indeno(1,2,3-cd)Pyrene	210	J
53-70-3	Dibenzo(a,h)Anthracene	420	U
191-24-2	Benzo(g,h,i)Perylene	230	J
58-90-2	2,3,4,6-Tetrachlorophenol	420	U
109-06-8	Pyridine, 2-Methyl (2-Picolin	420	U
62-50-0	Methanesulfonic acid, Ethyl	420	U
100-75-4	N-Nitrosopiperidine	420	U
87-65-0	2,6-Dichlorophenol	420	U
924-16-3	N-Nitroso-di-n-butylamine	420	U
66-27-3	Methanesulfonic acid, Methyl	420	~~U~~ UJ
98-86-2	Acetophenone	420	U
122-09-8	A,A-Dimethylphenylamine	420	U
608-93-5	Pentachlorobenzene	420	U
92-67-1	4-Amino Biphenyl	420	~~U~~ UJ
60-11-7	P-Dimethylaminoazobenzene	420	U
57-97-6	7,12-Dimethyl Benzo(A)Anthrac	420	~~U~~ UJ
95-94-3	1,2,4,5-Tetrachlorobenzene	420	U

1X

ORGANICS ANALYSIS DATA SHEET

SAMPLE N

TKCSD01E000

Lab Name: NUS-LSG Contract: .

Lab Code: NUS-LSG Case No.: TNK SAS No.: , SDG No.: PKG2

Matrix: (soil/water) SOIL Lab Sample ID: P167566

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP07269101

Level: (low/med) LOW Date Received: 07/04/91

% Moisture: not dec. 21 dec. Date Extracted: 07/11/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/26/91

GPC Cleanup: (Y/N) N pH: 7.9 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
122-39-4	Diphenylamine	420	U
62-44-2	Phenacetin	420	U
56-49-5	3-Methylcholanthrene	420	U
23950-58-5	Pronamide	420	U
106-50-3	1,4-Benzenediamine	2000	U
120-58-1	Isosafrole	420	U
91-59-8	2-Naphthaleneamine	420	~~U~~ UJ
99-55-8	5-Nitro-O-Toluidine	420	U
56-57-5	4-Nitroquinoline-1-Oxide	2000	U
91-80-5	Methapyrilene	420	U
53-96-3	2-Acetylaminofluorene	420	U
10595-95-6	N-Nitrosomethylethylamine	420	U
55-18-5	N-Nitrosodiethylamine	420	U
930-55-2	N-Nitrosopyrrolidine	420	U
58-89-2	N-Nitrosomorpholine	420	U
95-53-4	O-Toluidine	420	U
126-68-1	O,O,O,-Triethylphosphorthioat	2000	U
82-68-8	Pentachloronitrobenzene	~~3000~~	~~U~~ R
94-59-7	Safrole	420	U
130-15-4	1,4-Napthoquinone	420	U

SAMPLE N

TKCSD01E000

1X

ORGANICS ANALYSIS DATA SHEET

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG2

Matrix: (soil/water) SOIL Lab Sample ID: P167566

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP07269101

Level: (low/med) LOW Date Received: 07/04/91

% Moisture: not dec. 21 dec. ____ Date Extracted: 07/11/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/26/91

GPC Cleanup: (Y/N) N pH: 7.9 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
122-39-4	Diphenylamine	420	U
62-44-2	Phenacetin	420	U
56-49-5	3-Methylcholanthrene	420	U
23950-58-5	Pronamide	420	U
106-50-3	1,4-Benzenediamine	2000	U
120-58-1	Isosafrole	420	U
91-59-8	2-Naphthaleneamine	420	~~U~~ UJ
99-55-8	5-Nitro-O-Toluidine	420	U
56-57-5	4-Nitroquinoline-1-Oxide	2000	U
91-80-5	Methapyrilene	420	U
53-96-3	2-Acetylaminofluorene	420	U
10595-95-6	N-Nitrosomethylethylamine	420	U
55-18-5	N-Nitrosodiethylamine	420	U
930-55-2	N-Nitrosopyrrolidine	420	U
58-89-2	N-Nitrosomorpholine	420	U
95-53-4	O-Toluidine	420	U
126-68-1	O,O,O,-Triethylphosphorthioat	2000	U
82-68-8	Pentachloronitrobenzene	~~2000~~	~~U~~ R
94-59-7	Safrole	420	U
130-15-4	1,4-Napthoquinone	420	U

1X

ORGANICS ANALYSIS DATA SHEET

SAMPLE NO

TKCSD01E000

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG2

Matrix: (soil/water) SOIL Lab Sample ID: P167566

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP07269101

Level: (low/med) LOW Date Received: 07/04/91

% Moisture: not dec. 21 dec. ____ Date Extracted: 07/11/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/26/91

GPC Cleanup: (Y/N) N pH: 7.9 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-35-4	1,3,5-Trinitrobenzene	2000	U
1888-71-7	Hexachloropropene	2000	U
99-65-0	1,3-Dinitrobenzene	2000	U
91-94-1	3,3'-Dimethylbenzidine	2000	U
70-30-4	Hexachlorophene	2000	U
61-51-5	Dimethoate	420	U
2303-16-4	Diallate	420	U
110-86-1	Pyridine	420	U
140-57-8	Aramite	2000	U
88-85-7	2-Secbutyl-4,6-Dinitrophenol	420	U
108-39-4	M-Cresol	420	U

1X

ORGANICS ANALYSIS DATA SHEET

SAMPLE N

TKCSD01E000

Lab Name: NUS-LSG Contract: .

Lab Code: NUS-LSG Case No.: TNK SAS No.: , SDG No.: PKG2

Matrix: (soil/water) SOIL Lab Sample ID: P167566

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP07269101

Level: (low/med) LOW Date Received: 07/04/91

% Moisture: not dec. 21 dec. Date Extracted: 07/11/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/26/91

GPC Cleanup: (Y/N) N pH: 7.9 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-35-4	1,3,5-Trinitrobenzene	2000	U
1888-71-7	Hexachloropropene	2000	U
99-65-0	1,3-Dinitrobenzene	2000	U
91-94-1	3,3'-Dimethylbenzidine	2000	U
70-30-4	Hexachlorophene	2000	U
61-51-5	Dimethoate	420	U
2303-16-4	Diallate	420	U
110-86-1	Pyridine	420	U
140-57-8	Aramite	2000	U
88-85-7	2-Secbutyl-4,6-Dinitrophenol	420	U
108-39-4	M-Cresol	420	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO

TCCSD06E000

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG2

Matrix: (soil/water) SOIL Lab Sample ID: P167563

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP07269105

Level: (low/med) LOW Date Received: 07/05/91

% Moisture: not dec. 22 dec. ____ Date Extracted: 07/19/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/26/91

GPC Cleanup: (Y/N) N pH: 7.7 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
62-75-9	N-Nitrosodimethylamine	420	U
108-95-2	Phenol	420	U
62-53-3	Aniline	420	U
111-44-4	bis(2-Chloroethyl)Ether	420	U
95-57-8	2-Chlorophenol	420	U
541-73-1	1,3-Dichlorobenzene	420	U
106-46-7	1,4-Dichlorobenzene	420	U
100-51-6	Benzyl Alcohol	420	U
95-50-1	1,2-Dichlorobenzene	420	U
95-48-7	2-Methylphenol	420	U
39638-32-9	bis(2-Chloroisopropyl)Ether	420	U
106-44-5	4-Methylphenol	420	U
621-64-7	N-Nitroso-Di-n-Propylamine	420	U
67-72-1	Hexachloroethane	420	U
98-95-3	Nitrobenzene	420	U
78-59-1	Isophorone	420	U
88-75-5	2-Nitrophenol	420	U
105-67-9	2,4-Dimethylphenol	420	U
111-91-1	bis(2-Chloroethoxy)Methane	420	U
120-83-2	2,4-Dichlorophenol	420	U

1X

ORGANICS ANALYSIS DATA SHEET

SAMPLE NO

TCCSD06E0000

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG2

Matrix: (soil/water) SOIL Lab Sample ID: P167563

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP07269105

Level: (low/med) LOW Date Received: 07/05/91

% Moisture: not dec. 22 dec. ____ Date Extracted: 07/19/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/26/91

GPC Cleanup: (Y/N) N pH: 7.7 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
62-75-9	N-Nitrosodimethylamine	420	U
108-95-2	Phenol	420	U
62-53-3	Aniline	420	U
111-44-4	bis(2-Chloroethyl)Ether	420	U
95-57-8	2-Chlorophenol	420	U
541-73-1	1,3-Dichlorobenzene	420	U
106-46-7	1,4-Dichlorobenzene	420	U
100-51-6	Benzyl Alcohol	420	U
95-50-1	1,2-Dichlorobenzene	420	U
95-48-7	2-Methylphenol	420	U
39638-32-9	bis(2-Chloroisopropyl)Ether	420	U
106-44-5	4-Methylphenol	420	U
621-64-7	N-Nitroso-Di-n-Propylamine	420	U
67-72-1	Hexachloroethane	420	U
98-95-3	Nitrobenzene	420	U
78-59-1	Isophorone	420	U
88-75-5	2-Nitrophenol	420	U
105-67-9	2,4-Dimethylphenol	420	U
111-91-1	bis(2-Chloroethoxy)Methane	420	U
120-83-2	2,4-Dichlorophenol	420	U

1Y

ORGANICS ANALYSIS DATA SHEET

SAMPLE N

TCCSD06E000

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG2

Matrix: (soil/water) SOIL Lab Sample ID: P167563

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP07269105

Level: (low/med) LOW Date Received: 07/05/91

% Moisture: not dec. 22 dec. ____ Date Extracted: 07/19/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/26/91

GPC Cleanup: (Y/N) N pH: 7.7 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
120-82-1	1,2,4-Trichlorobenzene	420	U
91-20-3	Naphthalene	420	U
106-47-8	4-Chloroaniline	420	U
87-68-3	Hexachlorobutadiene	420	U
59-50-7	4-Chloro-3-Methylphenol	420	U
91-57-6	2-Methylnaphthalene	420	U
77-47-4	Hexachlorocyclopentadiene	420	U
88-06-2	2,4,6-Trichlorophenol	420	U
95-95-4	2,4,5-Trichlorophenol	2100	U
91-58-7	2-Chloronaphthalene	420	U
88-74-4	2-Nitroaniline	2100	U
131-11-3	Dimethyl Phthalate	420	U
208-96-8	Acenaphthylene	420	U
606-20-2	2,6-Dinitrotoluene	420	U
99-09-2	3-Nitroaniline	2100	U
83-32-9	Acenaphthene	420	U
51-28-5	2,4-Dinitrophenol	2100	U
100-02-7	4-Nitrophenol	2100	~~U~~ UJ
132-64-9	Dibenzofuran	420	U
121-14-2	2,4-Dinitrotoluene	420	U

1X

ORGANICS ANALYSIS DATA SHEET

SAMPLE N

TCCSD06E000

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG2

Matrix: (soil/water) SOIL Lab Sample ID: P167563

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP07269105

Level: (low/med) LOW Date Received: 07/05/91

% Moisture: not dec. 22 dec. ____ Date Extracted: 07/19/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/26/91

GPC Cleanup: (Y/N) N pH: 7.7 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
120-82-1	1,2,4-Trichlorobenzene	420	U
91-20-3	Naphthalene	420	U
106-47-8	4-Chloroaniline	420	U
87-68-3	Hexachlorobutadiene	420	U
59-50-7	4-Chloro-3-Methylphenol	420	U
91-57-6	2-Methylnaphthalene	420	U
77-47-4	Hexachlorocyclopentadiene	420	U
88-06-2	2,4,6-Trichlorophenol	420	U
95-95-4	2,4,5-Trichlorophenol	2100	U
91-58-7	2-Chloronaphthalene	20	U
88-74-4	2-Nitroaniline	2100	U
131-11-3	Dimethyl Phthalate	420	U
208-96-8	Acenaphthylene	420	U
606-20-2	2,6-Dinitrotoluene	420	U
99-09-2	3-Nitroaniline	2100	U
83-32-9	Acenaphthene	420	U
51-28-5	2,4-Dinitrophenol	2100	U
100-02-7	4-Nitrophenol	2100	~~U~~ UJ
132-64-9	Dibenzofuran	420	U
121-14-2	2,4-Dinitrotoluene	420	U

1X

ORGANICS ANALYSIS DATA SHEET

SAMPLE N

TCCSD06E000

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG2

Matrix: (soil/water) SOIL Lab Sample ID: P167563

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP07269105

Level: (low/med) LOW Date Received: 07/05/91

% Moisture: not dec. 22 dec. ____ Date Extracted: 07/19/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/26/91

GPC Cleanup: (Y/N) N pH: 7.7 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
84-66-2	Diethylphthalate	420	U
7005-72-3	4-Chlorophenyl-phenylether	420	U
86-73-7	Fluorene	420	U
100-10-6	4-Nitroaniline	2100	U
534-52-1	4,6-Dinitro-2-Methylphenol	2100	U
86-30-6	N-Nitrosodiphenylamine (1)	420	U
101-55-3	4-Bromophenyl-phenylether	420	U
118-74-1	Hexachlorobenzene	420	U
87-86-5	Pentachlorophenol	2100	U
85-01-8	Phenanthrene	420	U
120-12-7	Anthracene	~~420~~	~~U~~
84-74-2	Di-n-Butylphthalate	400	BJ
206-44-0	Fluoranthene	~~420~~	~~U~~
129-00-0	Pyrene	420	U
85-68-7	Butylbenzylphthalate	420	U
91-94-1	3,3'-Dichlorobenzidine	850	U
56-55-3	Benzo(a)Anthracene	420	U
218-01-9	Chrysene	420	U
117-81-7	bis(2-Ethylhexyl)Phthalate	420	U
117-84-0	Di-n-Octyl Phthalate	420	U

1X

ORGANICS ANALYSIS DATA SHEET

SAMPLE NO

TCCSD06E000

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG2

Matrix: (soil/water) SOIL Lab Sample ID: P167563

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP07269105

Level: (low/med) LOW Date Received: 07/05/91

% Moisture: not dec. 22 dec. ____ Date Extracted: 07/19/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/26/91

GPC Cleanup: (Y/N) N pH: 7.7 Dilution Factor: 1.00

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND		Q
84-66-2	Diethylphthalate	420	U
7005-72-3	4-Chlorophenyl-phenylether	420	U
86-73-7	Fluorene	420	U
100-10-6	4-Nitroaniline	2100	U
534-52-1	4,6-Dinitro-2-Methylphenol	2100	U
86-30-6	N-Nitrosodiphenylamine (1)	420	U
101-55-3	4-Bromophenyl-phenylether	420	U
118-74-1	Hexachlorobenzene	420	U
87-86-5	Pentachlorophenol	2100	U
85-01-8	Phenanthrene	420	U
120-12-7	Anthracene	~~420~~	~~U~~
84-74-2	Di-n-Butylphthalate	400	BJ
206-44-0	Fluoranthene	~~420~~	~~U~~
129-00-0	Pyrene	420	U
85-68-7	Butylbenzylphthalate	420	U
91-94-1	3,3'-Dichlorobenzidine	850	U
56-55-3	Benzo(a)Anthracene	420	U
218-01-9	Chrysene	420	U
117-81-7	bis(2-Ethylhexyl)Phthalate	420	U
117-84-0	Di-n-Octyl Phthalate	420	U

1X

ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TCCSD06E0000

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG2

Matrix: (soil/water) SOIL Lab Sample ID: P167563

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP07269105

Level: (low/med) LOW Date Received: 07/05/91

% Moisture: not dec. 22 dec. ____ Date Extracted: 07/19/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/26/91

GPC Cleanup: (Y/N) N pH: 7.7 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
205-99-2	Benzo(b)Fluoranthene	420	U
207-08-9	Benzo(k)Fluoranthene	420	U
50-32-8	Benzo(a)Pyrene	420	U
193-39-5	Indeno(1,2,3-cd)Pyrene	420	U
53-70-3	Dibenzo(a,h)Anthracene	420	U
191-24-2	Benzo(g,h,i)Perylene	420	U
58-90-2	2,3,4,6-Tetrachlorophenol	420	U
109-06-8	Pyridine, 2-Methyl (2-Picolin	420	U
62-50-0	Methanesulfonic acid, Ethyl	420	U
100-75-4	N-Nitrosopiperidine	420	U
87-65-0	2,6-Dichlorophenol	420	U
924-16-3	N-Nitroso-di-n-butylamine	420	U
66-27-3	Methanesulfonic acid, Methyl	420	~~U~~ UJ
98-86-2	Acetophenone	420	U
122-09-8	A,A-Dimethylphenylamine	420	U
608-93-5	Pentachlorobenzene	420	U
92-67-1	4-Amino Biphenyl	420	~~U~~ UJ
60-11-7	P-Dimethylaminoazobenzene	420	U
57-97-6	7,12-Dimethyl Benzo(A)Anthrac	420	~~U~~ UJ
95-94-3	1,2,4,5-Tetrachlorobenzene	420	U

1X

ORGANICS ANALYSIS DATA SHEET

SAMPLE NO

TCCSD06E0000

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG2

Matrix: (soil/water) SOIL Lab Sample ID: P167563

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP07269105

Level: (low/med) LOW Date Received: 07/05/91

% Moisture: not dec. 22 dec. _____ Date Extracted: 07/19/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/26/91

GPC Cleanup: (Y/N) N pH: 7.7 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
205-99-2	Benzo(b)Fluoranthene	420	U
207-08-9	Benzo(k)Fluoranthene	420	U
50-32-8	Benzo(a)Pyrene	420	U
193-39-5	Indeno(1,2,3-cd)Pyrene	420	U
53-70-3	Dibenzo(a,h)Anthracene	420	U
191-24-2	Benzo(g,h,i)Perylene	420	U
58-90-2	2,3,4,6-Tetrachlorophenol	420	U
109-06-8	Pyridine, 2-Methyl (2-Picolin	420	U
62-50-0	Methanesulfonic acid, Ethyl	420	U
100-75-4	N-Nitrosopiperidine	420	U
87-65-0	2,6-Dichlorophenol	420	U
924-16-3	N-Nitroso-di-n-butylamine	420	U
66-27-3	Methanesulfonic acid, Methyl	420	~~U~~ UJ
98-86-2	Acetophenone	420	U
122-09-8	A,A-Dimethylphenylamine	420	U
608-93-5	Pentachlorobenzene	420	U
92-67-1	4-Amino Biphenyl	420	~~U~~ UJ
60-11-7	P-Dimethylaminoazobenzene	420	U
57-97-6	7,12-Dimethyl Benzo(A)Anthrac	420	~~U~~ UJ
95-94-3	1,2,4,5-Tetrachlorobenzene	420	U

1X

ORGANICS ANALYSIS DATA SHEET

SAMPLE NO

TCCSD06E0000

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG2

Matrix: (soil/water) SOIL Lab Sample ID: P167563

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP07269105

Level: (low/med) LOW Date Received: 07/05/91

% Moisture: not dec. 22 dec. ____ Date Extracted: 07/19/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/26/91

GPC Cleanup: (Y/N) N pH: 7.7 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
122-39-4	Diphenylamine	420	U
62-44-2	Phenacetin	420	U
56-49-5	3-Methylcholanthrene	420	U
23950-58-5	Pronamide	420	U
106-50-3	1,4-Benzenediamine	2100	U
120-58-1	Isosafrole	420	U
91-59-8	2-Naphthaleneamine	420	~~U~~ UJ
99-55-8	5-Nitro-O-Toluidine	420	U
56-57-5	4-Nitroquinoline-1-Oxide	2100	U
91-80-5	Methapyrilene	420	U
53-96-3	2-Acetylaminofluorene	420	U
10595-95-6	N-Nitrosomethylethylamine	420	U
55-18-5	N-Nitrosodiethylamine	420	U
930-55-2	N-Nitrosopyrrolidine	420	U
58-89-2	N-Nitrosomorpholine	420	U
95-53-4	O-Toluidine	420	U
126-68-1	O,O,O,-Triethylphosphorthioat	2100	U
82-68-8	Pentachloronitrobenzene	~~2100~~	~~U~~ R
94-59-7	Safrole	420	U
130-15-4	1,4-Napthoquinone	420	U

1X

ORGANICS ANALYSIS DATA SHEET

SAMPLE NO

TCCSD06E0000

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG2

Matrix: (soil/water) SOIL Lab Sample ID: P167563

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP07269105

Level: (low/med) LOW Date Received: 07/05/91

% Moisture: not dec. 22 dec. ____ Date Extracted: 07/19/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/26/91

GPC Cleanup: (Y/N) N pH: 7.7 Dilution Factor: 1.00

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND		Q
122-39-4	Diphenylamine	420	U
62-44-2	Phenacetin	420	U
56-49-5	3-Methylcholanthrene	420	U
23950-58-5	Pronamide	420	U
106-50-3	1,4-Benzenediamine	2100	U
120-58-1	Isosafrole	420	U
91-59-8	2-Naphthaleneamine	420	~~U~~ UJ
99-55-8	5-Nitro-O-Toluidine	420	U
56-57-5	4-Nitroquinoline-1-Oxide	2100	U
91-80-5	Methapyrilene	420	U
53-96-3	2-Acetylaminofluorene	420	U
10595-95-6	N-Nitrosomethylethylamine	420	U
55-18-5	N-Nitrosodiethylamine	420	U
930-55-2	N-Nitrosopyrrolidine	420	U
58-89-2	N-Nitrosomorpholine	420	U
95-53-4	O-Toluidine	420	U
126-68-1	O,O,O,-Triethylphosphorthioat	2100	U
82-68-8	Pentachloronitrobenzene	~~2100~~	~~U~~ R
94-59-7	Safrole	420	U
130-15-4	1,4-Napthoquinone	420	U

1X

ORGANICS ANALYSIS DATA SHEET

SAMPLE N

TCCSD065000

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG2

Matrix: (soil/water) SOIL Lab Sample ID: P167563

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP07269105

Level: (low/med) LOW Date Received: 07/05/91

% Moisture: not dec. 22 dec. ____ Date Extracted: 07/19/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/26/91

GPC Cleanup: (Y/N) N pH: 7.7 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-35-4	1,3,5-Trinitrobenzene	2100	U
1888-71-7	Hexachloropropene	2100	U
99-65-0	1,3-Dinitrobenzene	2100	U
91-94-1	3,3'-Dimethylbenzidine	2100	U
70-30-4	Hexachlorophene	2100	U
61-51-5	Dimethoate	420	U
2303-16-4	Diallate	420	U
110-86-1	Pyridine	420	U
140-57-8	Aramite	2100	U
88-85-7	2-Secbutyl-4,6-Dinitrophenol	420	U
108-39-4	M-Cresol	420	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE N

TCCSD065000

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG2

Matrix: (soil/water) SOIL Lab Sample ID: P167563

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP07269105

Level: (low/med) LOW Date Received: 07/05/91

% Moisture: not dec. 22 dec. ____ Date Extracted: 07/19/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/26/91

GPC Cleanup: (Y/N) N pH: 7.7 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-35-4	1,3,5-Trinitrobenzene	2100	U
1888-71-7	Hexachloropropene	2100	U
99-65-0	1,3-Dinitrobenzene	2100	U
91-94-1	3,3'-Dimethylbenzidine	2100	U
70-30-4	Hexachlorophene	2100	U
61-51-5	Dimethoate	420	U
2303-16-4	Diallate	420	U
110-86-1	Pyridine	420	U
140-57-8	Aramite	2100	U
88-85-7	2-Secbutyl-4,6-Dinitrophenol	420	U
108-39-4	M-Cresol	420	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO

TCCSD06F000

Lab Name: NUS-LSG Contract: .

Lab Code: NUS-LSG Case No.: TNK SAS No.: , SDG No.: PKG2

Matrix: (soil/water) SOIL Lab Sample ID: P167564

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP07259110

Level: (low/med) LOW Date Received: 07/05/91

% Moisture: not dec. 24 dec. Date Extracted: 07/11/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/25/91

GPC Cleanup: (Y/N) N pH: 7.6 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
62-75-9	N-Nitrosodimethylamine	430	U
108-95-2	Phenol	430	U
62-53-3	Aniline	430	U
111-44-4	bis(2-Chloroethyl)Ether	430	U
95-57-8	2-Chlorophenol	430	U
541-73-1	1,3-Dichlorobenzene	430	U
106-46-7	1,4-Dichlorobenzene	430	U
100-51-6	Benzyl Alcohol	430	U
95-50-1	1,2-Dichlorobenzene	430	U
95-48-7	2-Methylphenol	430	U
39638-32-9	bis(2-Chloroisopropyl)Ether	430	U
106-44-5	4-Methylphenol	430	U
621-64-7	N-Nitroso-Di-n-Propylamine	430	U
67-72-1	Hexachloroethane	430	U
98-95-3	Nitrobenzene	430	U
78-59-1	Isophorone	430	U
88-75-5	2-Nitrophenol	430	U
105-67-9	2,4-Dimethylphenol	430	U
111-91-1	bis(2-Chloroethoxy)Methane	430	U
120-83-2	2,4-Dichlorophenol	430	U

1X

ORGANICS ANALYSIS DATA SHEET

SAMPLE NO

TCCSD06F0000

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG2

Matrix: (soil/water) SOIL Lab Sample ID: P167564

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP07259110

Level: (low/med) LOW Date Received: 07/05/91

% Moisture: not dec. 24 dec. ____ Date Extracted: 07/11/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/25/91

GPC Cleanup: (Y/N) N pH: 7.6 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
62-75-9	N-Nitrosodimethylamine	430	U
108-95-2	Phenol	430	U
62-53-3	Aniline	430	U
111-44-4	bis(2-Chloroethyl)Ether	430	U
95-57-8	2-Chlorophenol	430	U
541-73-1	1,3-Dichlorobenzene	430	U
106-46-7	1,4-Dichlorobenzene	430	U
100-51-6	Benzyl Alcohol	430	U
95-50-1	1,2-Dichlorobenzene	430	U
95-48-7	2-Methylphenol	430	U
39638-32-9	bis(2-Chloroisopropyl)Ether	430	U
106-44-5	4-Methylphenol	430	U
621-64-7	N-Nitroso-Di-n-Propylamine	430	U
67-72-1	Hexachloroethane	430	U
98-95-3	Nitrobenzene	430	U
78-59-1	Isophorone	430	U
88-75-5	2-Nitrophenol	430	U
105-67-9	2,4-Dimethylphenol	430	U
111-91-1	bis(2-Chloroethoxy)Methane	430	U
120-83-2	2,4-Dichlorophenol	430	U

1X

ORGANICS ANALYSIS DATA SHEET

SAMPLE NO

TCCSD06F0000

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG2

Matrix: (soil/water) SOIL Lab Sample ID: P167564

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP07259110

Level: (low/med) LOW Date Received: 07/05/91

% Moisture: not dec. 24 dec. ____ Date Extracted: 07/11/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/25/91

GPC Cleanup: (Y/N) N pH: 7.6 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
120-82-1	1,2,4-Trichlorobenzene	430	U
91-20-3	Naphthalene	430	U
106-47-8	4-Chloroaniline	430	U
87-68-3	Hexachlorobutadiene	430	U
59-50-7	4-Chloro-3-Methylphenol	430	U
91-57-6	2-Methylnaphthalene	430	U
77-47-4	Hexachlorocyclopentadiene	430	U
88-06-2	2,4,6-Trichlorophenol	430	U
95-95-4	2,4,5-Trichlorophenol	2100	U
91-58-7	2-Chloronaphthalene	430	U
88-74-4	2-Nitroaniline	2100	U
131-11-3	Dimethyl Phthalate	430	U
208-96-8	Acenaphthylene	430	U
606-20-2	2,6-Dinitrotoluene	430	U
99-09-2	3-Nitroaniline	2100	U
83-32-9	Acenaphthene	430	U
51-28-5	2,4-Dinitrophenol	2100	U
100-02-7	4-Nitrophenol	2100	U
132-64-9	Dibenzofuran	430	U
121-14-2	2,4-Dinitrotoluene	430	U

1X

ORGANICS ANALYSIS DATA SHEET

SAMPLE NO

TCCSD06F0000

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG2

Matrix: (soil/water) SOIL Lab Sample ID: P167564

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP07259110

Level: (low/med) LOW Date Received: 07/05/91

% Moisture: not dec. 24 dec. _____ Date Extracted: 07/11/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/25/91

GPC Cleanup: (Y/N) N pH: 7.6 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
120-82-1	1,2,4-Trichlorobenzene	430	U
91-20-3	Naphthalene	430	U
106-47-8	4-Chloroaniline	430	U
87-68-3	Hexachlorobutadiene	430	U
59-50-7	4-Chloro-3-Methylphenol	430	U
91-57-6	2-Methylnaphthalene	430	U
77-47-4	Hexachlorocyclopentadiene	430	U
88-06-2	2,4,6-Trichlorophenol	430	U
95-95-4	2,4,5-Trichlorophenol	2100	U
91-58-7	2-Chloronaphthalene	430	U
88-74-4	2-Nitroaniline	2100	U
131-11-3	Dimethyl Phthalate	430	U
208-96-8	Acenaphthylene	430	U
606-20-2	2,6-Dinitrotoluene	430	U
99-09-2	3-Nitroaniline	2100	U
83-32-9	Acenaphthene	430	U
51-28-5	2,4-Dinitrophenol	2100	U
100-02-7	4-Nitrophenol	2100	U
132-64-9	Dibenzofuran	430	U
121-14-2	2,4-Dinitrotoluene	430	U

1X

ORGANICS ANALYSIS DATA SHEET

SAMPLE N

TCCSD06F000

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG2

Matrix: (soil/water) SOIL Lab Sample ID: P167564

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP07259110

Level: (low/med) LOW Date Received: 07/05/91

% Moisture: not dec. 24 dec. ____ Date Extracted: 07/11/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/25/91

GPC Cleanup: (Y/N) N pH: 7.6 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
84-66-2	Diethylphthalate	430	U
7005-72-3	4-Chlorophenyl-phenylether	430	U
86-73-7	Fluorene	430	U
100-10-6	4-Nitroaniline	2100	U
534-52-1	4,6-Dinitro-2-Methylphenol	2100	U
86-30-6	N-Nitrosodiphenylamine (1)	430	U
101-55-3	4-Bromophenyl-phenylether	430	U
118-74-1	Hexachlorobenzene	430	U
87-86-5	Pentachlorophenol	2100	U
85-01-8	Phenanthrene	430	U
120-12-7	Anthracene	430	U
84-74-2	Di-n-Butylphthalate	430	U
206-44-0	Fluoranthene	430	U
129-00-0	Pyrene	430	U
85-68-7	Butylbenzylphthalate	430	U
91-94-1	3,3'-Dichlorobenzidine	870	U
56-55-3	Benzo(a)Anthracene	430	U
218-01-9	Chrysene	430	U
117-81-7	bis(2-Ethylhexyl)Phthalate	430	U
117-84-0	Di-n-Octyl Phthalate	430	U

1X

ORGANICS ANALYSIS DATA SHEET

SAMPLE N

TCCSD06F000

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG2

Matrix: (soil/water) SOIL Lab Sample ID: P167564

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP07259110

Level: (low/med) LOW Date Received: 07/05/91

% Moisture: not dec. 24 dec. _____ Date Extracted: 07/11/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/25/91

GPC Cleanup: (Y/N) N pH: 7.6 Dilution Factor: 1.00

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND		Q
84-66-2	Diethylphthalate	430	U
7005-72-3	4-Chlorophenyl-phenylether	430	U
86-73-7	Fluorene	430	U
100-10-6	4-Nitroaniline	2100	U
534-52-1	4,6-Dinitro-2-Methylphenol	2100	U
86-30-6	N-Nitrosodiphenylamine (1)	430	U
101-55-3	4-Bromophenyl-phenylether	430	U
118-74-1	Hexachlorobenzene	430	U
87-86-5	Pentachlorophenol	2100	U
85-01-8	Phenanthrene	430	U
120-12-7	Anthracene	430	U
84-74-2	Di-n-Butylphthalate	430	U
206-44-0	Fluoranthene	430	U
129-00-0	Pyrene	430	U
85-68-7	Butylbenzylphthalate	430	U
91-94-1	3,3'-Dichlorobenzidine	870	U
56-55-3	Benzo(a)Anthracene	430	U
218-01-9	Chrysene	430	U
117-81-7	bis(2-Ethylhexyl)Phthalate	430	U
117-84-0	Di-n-Octyl Phthalate	430	U

1X

ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TCCSD06F0000

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG2

Matrix: (soil/water) SOIL Lab Sample ID: P167564

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP07259110

Level: (low/med) LOW Date Received: 07/05/91

% Moisture: not dec. 24 dec. _____ Date Extracted: 07/11/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/25/91

GPC Cleanup: (Y/N) N pH: 7.6 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
205-99-2	Benzo(b)Fluoranthene	430	U
207-08-9	Benzo(k)Fluoranthene	430	U
50-32-8	Benzo(a)Pyrene	430	U
193-39-5	Indeno(1,2,3-cd)Pyrene	430	U
53-70-3	Dibenzo(a,h)Anthracene	430	U
191-24-2	Benzo(g,h,i)Perylene	430	U
58-90-2	2,3,4,6-Tetrachlorophenol	430	U
109-06-8	Pyridine, 2-Methyl (2-Picolin	430	U
62-50-0	Methanesulfonic acid, Ethyl	430	U
100-75-4	N-Nitrosopiperidine	430	U
87-65-0	2,6-Dichlorophenol	430	U
924-16-3	N-Nitroso-di-n-butylamine	430	U
66-27-3	Methanesulfonic acid, Methyl	430	~~U~~ UJ
98-86-2	Acetophenone	430	U
122-09-8	A,A-Dimethylphenylamine	430	U
608-93-5	Pentachlorobenzene	430	U
92-67-1	4-Amino Biphenyl	430	~~U~~ UJ
60-11-7	P-Dimethylaminoazobenzene	430	U
57-97-6	7,12-Dimethyl Benzo(A)Anthrac	430	~~U~~ UJ
95-94-3	1,2,4,5-Tetrachlorobenzene	430	U

1X

ORGANICS ANALYSIS DATA SHEET

SAMPLE NO

TCCSD06F0000

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG2

Matrix: (soil/water) SOIL Lab Sample ID: P167564

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP07259110

Level: (low/med) LOW Date Received: 07/05/91

% Moisture: not dec. 24 dec. ____ Date Extracted: 07/11/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/25/91

GPC Cleanup: (Y/N) N pH: 7.6 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
205-99-2	Benzo(b)Fluoranthene	430	U
207-08-9	Benzo(k)Fluoranthene	430	U
50-32-8	Benzo(a)Pyrene	430	U
193-39-5	Indeno(1,2,3-cd)Pyrene	430	U
53-70-3	Dibenzo(a,h)Anthracene	430	U
191-24-2	Benzo(g,h,i)Perylene	430	U
58-90-2	2,3,4,6-Tetrachlorophenol	430	U
109-06-8	Pyridine, 2-Methyl (2-Picolin	430	U
62-50-0	Methanesulfonic acid, Ethyl	430	U
100-75-4	N-Nitrosopiperidine	430	U
87-65-0	2,6-Dichlorophenol	430	U
924-16-3	N-Nitroso-di-n-butylamine	430	U
66-27-3	Methanesulfonic acid, Methyl	430	~~U~~ UJ
98-86-2	Acetophenone	430	U
122-09-8	A,A-Dimethylphenylamine	430	U
608-93-5	Pentachlorobenzene	430	U
92-67-1	4-Amino Biphenyl	430	~~U~~ UJ
60-11-7	P-Dimethylaminoazobenzene	430	U
57-97-6	7,12-Dimethyl Benzo(A)Anthrac	430	~~U~~ UJ
95-94-3	1,2,4,5-Tetrachlorobenzene	430	U

1X

ORGANICS ANALYSIS DATA SHEET

SAMPLE

TCCSD06F00

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG2

Matrix: (soil/water) SOIL Lab Sample ID: P167564

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP07259110

Level: (low/med) LOW Date Received: 07/05/91

% Moisture: not dec. 24 dec. ____ Date Extracted: 07/11/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/25/91

GPC Cleanup: (Y/N) N pH: 7.6 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
122-39-4	Diphenylamine	430	U
62-44-2	Phenacetin	430	U
56-49-5	3-Methylcholanthrene	430	U
23950-58-5	Pronamide	430	U
106-50-3	1,4-Benzenediamine	2100	U
120-58-1	Isosafrole	430	U
91-59-8	2-Naphthaleneamine	430	U
99-55-8	5-Nitro-O-Toluidine	430	U
56-57-5	4-Nitroquinoline-1-Oxide	2100	U
91-80-5	Methapyrilene	430	U
53-96-3	2-Acetylaminofluorene	430	U
10595-95-6	N-Nitrosomethylethylamine	430	U
55-18-5	N-Nitrosodiethylamine	430	U
930-55-2	N-Nitrosopyrrolidine	430	U
58-89-2	N-Nitrosomorpholine	430	U
95-53-4	O-Toluidine	430	U
126-68-1	O,O,O,-Triethylphosphorthioat	2100	U
82-68-8	Pentachloronitrobenzene	2100	U
94-59-7	Safrole	430	U
130-15-4	1,4-Napthoquinone	430	U

SAMPLE N

TCCSD06F000

1X

ORGANICS ANALYSIS DATA SHEET

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG2

Matrix: (soil/water) SOIL Lab Sample ID: P167564

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP07259110

Level: (low/med) LOW Date Received: 07/05/91

% Moisture: not dec. 24 dec. _____ Date Extracted: 07/11/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/25/91

GPC Cleanup: (Y/N) N pH: 7.6 Dilution Factor: 1.00

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND		Q
122-39-4	Diphenylamine	430	U
62-44-2	Phenacetin	430	U
56-49-5	3-Methylcholanthrene	430	U
23950-58-5	Pronamide	430	U
106-50-3	1,4-Benzenediamine	2100	U
120-58-1	Isosafrole	430	U
91-59-8	2-Naphthaleneamine	430	U
99-55-8	5-Nitro-O-Toluidine	430	U
56-57-5	4-Nitroquinoline-1-Oxide	2100	U
91-80-5	Methapyrilene	430	U
53-96-3	2-Acetylaminofluorene	430	U
10595-95-6	N-Nitrosomethylethylamine	430	U
55-18-5	N-Nitrosodiethylamine	430	U
930-55-2	N-Nitrosopyrrolidine	430	U
58-89-2	N-Nitrosomorpholine	430	U
95-53-4	O-Toluidine	430	U
126-68-1	O,O,O,-Triethylphosphorthioat	2100	U
82-68-8	Pentachloronitrobenzene	2100	U
94-59-7	Safrole	430	U
130-15-4	1,4-Napthoquinone	430	U

1X

ORGANICS ANALYSIS DATA SHEET

SAMPLE NO

TCCSD06F0000

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG2

Matrix: (soil/water) SOIL Lab Sample ID: P167564

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP07259110

Level: (low/med) LOW Date Received: 07/05/91

% Moisture: not dec. 24 dec. _____ Date Extracted: 07/11/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/25/91

GPC Cleanup: (Y/N) N pH: 7.6 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-35-4	1,3,5-Trinitrobenzene	2100	U
1888-71-7	Hexachloropropene	2100	U
99-65-0	1,3-Dinitrobenzene	2100	U
91-94-1	3,3'-Dimethylbenzidine	2100	U
70-30-4	Hexachlorophene	2100	U
61-51-5	Dimethoate	430	U
2303-16-4	Diallate	430	U
110-86-1	Pyridine	430	U
140-57-8	Aramite	~~2100~~	~~U~~ R
88-85-7	2-Secbutyl-4,6-Dinitrophenol	430	U
108-39-4	M-Cresol	430	U

1X

ORGANICS ANALYSIS DATA SHEET

SAMPLE NO

TCCSD06F0000

Lab Name: NUS-LSG Contract: .

Lab Code: NUS-LSG Case No.: TNK SAS No.: SDG No.: PKG2

Matrix: (soil/water) SOIL Lab Sample ID: P167564

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP07259110

Level: (low/med) LOW Date Received: 07/05/91

% Moisture: not dec. 24 dec. Date Extracted: 07/11/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/25/91

GPC Cleanup: (Y/N) N pH: 7.6 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-35-4	1,3,5-Trinitrobenzene	2100	U
1888-71-7	Hexachloropropene	2100	U
99-65-0	1,3-Dinitrobenzene	2100	U
91-94-1	3,3'-Dimethylbenzidine	2100	U
70-30-4	Hexachlorophene	2100	U
61-51-5	Dimethoate	430	U
2303-16-4	Diallate	430	U
110-86-1	Pyridine	430	U
140-57-8	Aramite	~~2100~~	~~U~~ R
88-85-7	2-Secbutyl-4,6-Dinitrophenol	430	U
108-39-4	M-Cresol	430	U

1X

ORGANICS ANALYSIS DATA SHEET

SAMPLE N

TKCSD11E000

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: 4 SDG No.: PKG3

Matrix: (soil/water) SOIL Lab Sample ID: P167638

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP07269102

Level: (low/med) LOW Date Received: 07/07/91

% Moisture: not dec. 20 dec. ____ Date Extracted: 07/11/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/26/91

GPC Cleanup: (Y/N) N pH: 7.8 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
62-75-9	N-Nitrosodimethylamine	410	U
108-95-2	Phenol	410	U
62-53-3	Aniline	410	U
111-44-4	bis(2-Chloroethyl)Ether	410	U
95-57-8	2-Chlorophenol	410	U
541-73-1	1,3-Dichlorobenzene	410	U
106-46-7	1,4-Dichlorobenzene	410	U
100-51-6	Benzyl Alcohol	410	U
95-50-1	1,2-Dichlorobenzene	410	U
95-48-7	2-Methylphenol	410	U
39638-32-9	bis(2-Chloroisopropyl)Ether	410	U
106-44-5	4-Methylphenol	410	U
621-64-7	N-Nitroso-Di-n-Propylamine	410	U
67-72-1	Hexachloroethane	410	U
98-95-3	Nitrobenzene	410	U
78-59-1	Isophorone	410	U
88-75-5	2-Nitrophenol	410	U
105-67-9	2,4-Dimethylphenol	410	U
111-91-1	bis(2-Chloroethoxy)Methane	410	U
120-83-2	2,4-Dichlorophenol	410	U

1X

ORGANICS ANALYSIS DATA SHEET

SAMPLE N.

TKCSD11E000

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG3

Matrix: (soil/water) SOIL Lab Sample ID: P167638

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP07269102

Level: (low/med) LOW Date Received: 07/07/91

% Moisture: not dec. 20 dec. ____ Date Extracted: 07/11/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/26/91

GPC Cleanup: (Y/N) N pH: 7.8 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
62-75-9	N-Nitrosodimethylamine	410	U
108-95-2	Phenol	410	U
62-53-3	Aniline	410	U
111-44-4	bis(2-Chloroethyl)Ether	410	U
95-57-8	2-Chlorophenol	410	U
541-73-1	1,3-Dichlorobenzene	410	U
106-46-7	1,4-Dichlorobenzene	410	U
100-51-6	Benzyl Alcohol	410	U
95-50-1	1,2-Dichlorobenzene	410	U
95-48-7	2-Methylphenol	410	U
39638-32-9	bis(2-Chloroisopropyl)Ether	410	U
106-44-5	4-Methylphenol	410	U
621-64-7	N-Nitroso-Di-n-Propylamine	410	U
67-72-1	Hexachloroethane	410	U
98-95-3	Nitrobenzene	410	U
78-59-1	Isophorone	410	U
88-75-5	2-Nitrophenol	410	U
105-67-9	2,4-Dimethylphenol	410	U
111-91-1	bis(2-Chloroethoxy)Methane	410	U
120-83-2	2,4-Dichlorophenol	410	U

THCSD11E000C

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG3

Matrix: (soil/water) SOIL Lab Sample ID: P167638

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP07269102

Level: (low/med) LOW Date Received: 07/07/91

% Moisture: not dec. 20 dec. _____ Date Extracted: 07/11/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/26/91

GPC Cleanup: (Y/N) N pH: 7.8 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
120-82-1	1,2,4-Trichlorobenzene	410	U
91-20-3	Naphthalene	410	U
106-47-8	4-Chloroaniline	410	U
87-68-3	Hexachlorobutadiene	410	U
59-50-7	4-Chloro-3-Methylphenol	410	U
91-57-6	2-Methylnaphthalene	410	U
77-47-4	Hexachlorocyclopentadiene	410	U
88-06-2	2,4,6-Trichlorophenol	410	U
95-95-4	2,4,5-Trichlorophenol	2000	U
91-58-7	2-Chloronaphthalene	410	U
88-74-4	2-Nitroaniline	2000	U
131-11-3	Dimethyl Phthalate	410	U
208-96-8	Acenaphthylene	410	U
606-20-2	2,6-Dinitrotoluene	410	U
99-09-2	3-Nitroaniline	2000	U
83-32-9	Acenaphthene	410	U
51-28-5	2,4-Dinitrophenol	2000	U
100-02-7	4-Nitrophenol	2000	~~U~~ UJ
132-64-9	Dibenzofuran	410	U
121-14-2	2,4-Dinitrotoluene	410	U

TPCSD11E0000

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG3

Matrix: (soil/water) SOIL Lab Sample ID: P167638

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP07269102

Level: (low/med) LOW Date Received: 07/07/91

% Moisture: not dec. 20 dec. _____ Date Extracted: 07/11/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/26/91

GPC Cleanup: (Y/N) N pH: 7.8 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
120-82-1	1,2,4-Trichlorobenzene	410	U
91-20-3	Naphthalene	410	U
106-47-8	4-Chloroaniline	410	U
87-68-3	Hexachlorobutadiene	410	U
59-50-7	4-Chloro-3-Methylphenol	410	U
91-57-6	2-Methylnaphthalene	410	U
77-47-4	Hexachlorocyclopentadiene	410	U
88-06-2	2,4,6-Trichlorophenol	410	U
95-95-4	2,4,5-Trichlorophenol	2000	U
91-58-7	2-Chloronaphthalene	410	U
88-74-4	2-Nitroaniline	2000	U
131-11-3	Dimethyl Phthalate	410	U
208-96-8	Acenaphthylene	410	U
606-20-2	2,6-Dinitrotoluene	410	U
99-09-2	3-Nitroaniline	2000	U
83-32-9	Acenaphthene	410	U
51-28-5	2,4-Dinitrophenol	2000	U
100-02-7	4-Nitrophenol	2000	~~U~~ UJ
132-64-9	Dibenzofuran	410	U
121-14-2	2,4-Dinitrotoluene	410	U

TNCSD11E000

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG3

Matrix: (soil/water) SOIL Lab Sample ID: P167638

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP07269102

Level: (low/med) LOW Date Received: 07/07/91

% Moisture: not dec. 20 dec. _____ Date Extracted: 07/11/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/26/91

GPC Cleanup: (Y/N) N pH: 7.8 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
84-66-2	Diethylphthalate	410	U
7005-72-3	4-Chlorophenyl-phenylether	410	U
86-73-7	Fluorene	410	U
100-10-6	4-Nitroaniline	2000	U
534-52-1	4,6-Dinitro-2-Methylphenol	2000	U
86-30-6	N-Nitrosodiphenylamine (1)	410	U
101-55-3	4-Bromophenyl-phenylether	410	U
118-74-1	Hexachlorobenzene	410	U
87-86-5	Pentachlorophenol	2000	U
85-01-8	Phenanthrene	410	U
120-12-7	Anthracene	410	U
84-74-2	Di-n-Butylphthalate	410	U
206-44-0	Fluoranthene	410	U
129-00-0	Pyrene	410	U
85-68-7	Butylbenzylphthalate	410	U
91-94-1	3,3'-Dichlorobenzidine	820	U
56-55-3	Benzo(a)Anthracene	410	U
218-01-9	Chrysene	410	U
117-81-7	bis(2-Ethylhexyl)Phthalate	75	J
117-84-0	Di-n-Octyl Phthalate	410	U

SEMI-VOLATILE ANALYSIS DATA SHEET

TNCSD11E0000

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG3

Matrix: (soil/water) SOIL Lab Sample ID: P167638

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP07269102

Level: (low/med) LOW Date Received: 07/07/91

% Moisture: not dec. 20 dec. _____ Date Extracted: 07/11/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/26/91

GPC Cleanup: (Y/N) N pH: 7.8 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
84-66-2	Diethylphthalate	410	U
7005-72-3	4-Chlorophenyl-phenylether	410	U
86-73-7	Fluorene	410	U
100-10-6	4-Nitroaniline	2000	U
534-52-1	4,6-Dinitro-2-Methylphenol	2000	U
86-30-6	N-Nitrosodiphenylamine (1)	410	U
101-55-3	4-Bromophenyl-phenylether	410	U
118-74-1	Hexachlorobenzene	410	U
87-86-5	Pentachlorophenol	2000	U
85-01-8	Phenanthrene	410	U
120-12-7	Anthracene	410	U
84-74-2	Di-n-Butylphthalate	410	U
206-44-0	Fluoranthene	410	U
129-00-0	Pyrene	410	U
85-68-7	Butylbenzylphthalate	410	U
91-94-1	3,3'-Dichlorobenzidine	820	U
56-55-3	Benzo(a)Anthracene	410	U
218-01-9	Chrysene	410	U
117-81-7	bis(2-Ethylhexyl)Phthalate	75	J
117-84-0	Di-n-Octyl Phthalate	410	U

TKCSD11E0000

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKGJ

Matrix: (soil/water) SOIL Lab Sample ID: P167638

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP07269102

Level: (low/med) LOW Date Received: 07/07/91

% Moisture: not dec. 20 dec. _____ Date Extracted: 07/11/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/26/91

GPC Cleanup: (Y/N) N pH: 7.8 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
205-99-2	Benzo(b)Fluoranthene	410	U
207-08-9	Benzo(k)Fluoranthene	410	U
50-32-8	Benzo(a)Pyrene	410	U
193-39-5	Indeno(1,2,3-cd)Pyrene	410	U
53-70-3	Dibenzo(a,h Anthracene	410	U
191-24-2	Benzo(g,h,i)Perylene	410	U
58-90-2	2,3,4,6-Tetrachlorophenol	410	U
109-06-8	Pyridine, 2-Methyl (2-Picolin	410	U
62-50-0	Methanesulfonic acid, Ethyl	410	U
100-75-4	N-Nitrosopiperidine	410	U
87-65-0	2,6-Dichlorophenol	410	U
924-16-3	N-Nitroso-di-n-butylamine	410	U
66-27-3	Methanesulfonic acid, Methyl	410	~~U~~ UJ
98-86-2	Acetophenone	410	U
122-09-8	A,A-Dimethylphenylamine	410	U
608-93-5	Pentachlorobenzene	410	U
92-67-1	4-Amino Biphenyl	410	~~U~~ UJ
60-11-7	P-Dimethylaminoazobenzene	410	U
57-97-6	7,12-Dimethyl Benzo(A)Anthrac	410	~~U~~ UJ
95-94-3	1,2,4,5-Tetrachlorobenzene	410	U

TECSD11E000

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKGJ

Matrix: (soil/water) SOIL Lab Sample ID: P167638

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP07269102

Level: (low/med) LOW Date Received: 07/07/91

% Moisture: not dec. 20 dec. _____ Date Extracted: 07/11/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/26/91

GPC Cleanup: (Y/N) N pH: 7.8 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
205-99-2	Benzo(b)Fluoranthene	410	U
207-08-9	Benzo(k)Fluoranthene	410	U
50-32-8	Benzo(a)Pyrene	410	U
193-39-5	Indeno(1,2,3-cd)Pyrene	410	U
53-70-3	Dibenzo(a,h Anthracene	410	U
191-24-2	Benzo(g,h,i)Perylene	410	U
58-90-2	2,3,4,6-Tetrachlorophenol	410	U
109-06-8	Pyridine, 2-Methyl (2-Picolin	410	U
62-50-0	Methanesulfonic acid, Ethyl	410	U
100-75-4	N-Nitrosopiperidine	410	U
87-65-0	2,6-Dichlorophenol	10	U
924-16-3	N-Nitroso-di-n-butylamine	410	U
66-27-3	Methanesulfonic acid, Methyl	410	~~U~~ UJ
98-86-2	Acetophenone	410	U
122-09-8	A,A-Dimethylphenylamine	410	U
608-93-5	Pentachlorobenzene	410	U
92-67-1	4-Amino Biphenyl	410	~~U~~ UJ
60-11-7	P-Dimethylaminoazobenzene	410	U
57-97-6	7,12-Dimethyl Benzo(A)Anthrac	410	~~U~~ UJ
95-94-3	1,2,4,5-Tetrachlorobenzene	410	U

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG3

Matrix: (soil/water) SOIL Lab Sample ID: P167638

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP07269102

Level: (low/med) LOW Date Received: 07/07/91

% Moisture: not dec. 20 dec. ____ Date Extracted: 07/11/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/26/91

GPC Cleanup: (Y/N) N pH: 7.8 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
122-39-4	Diphenylamine	410	U
62-44-2	Phenacetin	410	U
56-49-5	3-Methylcholanthrene	410	U
23950-58-5	Pronamide	410	U
106-50-3	1,4-Benzenediamine	2000	U
120-58-1	Isosafrole	410	U
91-59-8	2-Naphthaleneamine	410	~~U~~ UJ
99-55-8	5-Nitro-O-Toluidine	410	U
56-57-5	4-Nitroquinoline-1-Oxide	2000	U
91-80-5	Methapyrilene	410	U
53-96-3	2-Acetylaminofluorene	410	U
10595-95-6	N-Nitrosomethylethylamine	410	U
55-18-5	N-Nitrosodiethylamine	410	U
930-55-2	N-Nitrosopyrrolidine	410	U
58-89-2	N-Nitrosomorpholine	410	U
95-53-4	O-Toluidine	410	U
126-68-1	O,O,O,-Triethylphosphorthioat	2000	U
82-68-8	Pentachloronitrobenzene	~~2000~~	~~U~~ R
94-59-7	Safrole	410	U
130-15-4	1,4-Napthoquinone	410	U

TMCSD11E000

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG3

Matrix: (soil/water) SOIL Lab Sample ID: P167638

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP07269102

Level: (low/med) LOW Date Received: 07/07/91

% Moisture: not dec. 20 dec. ____ Date Extracted: 07/11/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/26/91

GPC Cleanup: (Y/N) N pH: 7.8 Dilution Factor: 1.00

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND		Q
122-39-4	Diphenylamine	410	U
62-44-2	Phenacetin	410	U
56-49-5	3-Methylcholanthrene	410	U
23950-58-5	Pronamide	410	U
106-50-3	1,4-Benzenediamine	2000	U
120-58-1	Isosafrole	410	U
91-59-8	2-Naphthaleneamine	410	~~U~~ UJ
99-55-8	5-Nitro-O-Toluidine	410	U
56-57-5	4-Nitroquinoline-1-Oxide	2000	U
91-80-5	Methapyrilene	410	U
53-96-3	2-Acetylaminofluorene	410	U
10595-95-6	N-Nitrosomethylethylamine	410	U
55-18-5	N-Nitrosodiethylamine	410	U
930-55-2	N-Nitrosopyrrolidine	410	U
58-89-2	N-Nitrosomorpholine	410	U
95-53-4	O-Toluidine	410	U
126-68-1	O,O,O,-Triethylphosphorthioat	2000	U
82-68-8	Pentachloronitrobenzene	~~2000~~	~~U~~ R
94-59-7	Safrole	410	U
130-15-4	1,4-Napthoquinone	410	U

ORGANICS ANALYSIS DATA SHEET

TKCSD11E000

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG3

Matrix: (soil/water) SOIL Lab Sample ID: P167638

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP07269102

Level: (low/med) LOW Date Received: 07/07/91

% Moisture: not dec. 20 dec. _____ Date Extracted: 07/11/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/26/91

GPC Cleanup: (Y/N) N pH: 7.8 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-35-4	1,3,5-Trinitrobenzene	2000	U
1888-71-7	Hexachloropropene	2000	U
99-65-0	1,3-Dinitrobenzene	2000	U
91-94-1	3,3'-Dimethylbenzidine	2000	U
70-30-4	Hexachlorophene	2000	U
61-51-5	Dimethoate	410	U
2303-16-4	Diallate	410	U
110-86-1	Pyridine	410	U
140-57-8	Aramite	2000	U
88-85-7	2-Secbutyl-4,6-Dinitrophenol	410	U
108-39-4	M-Cresol	410	U

ORGANICS ANALYSIS DATA SHEET

TNCSD11E000

Lab Name: NUS-LSG Contract:

Lab Code: NUS-LSG Case No.: TNK SAS No.: SDG No.: PKG3

Matrix: (soil/water) SOIL Lab Sample ID: P167638

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP07269102

Level: (low/med) LOW Date Received: 07/07/91

% Moisture: not dec. 20 dec. Date Extracted: 07/11/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/26/91

GPC Cleanup: (Y/N) N pH: 7.8 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-35-4	1,3,5-Trinitrobenzene	2000	U
1888-71-7	Hexachloropropene	2000	U
99-65-0	1,3-Dinitrobenzene	2000	U
91-94-1	3,3'-Dimethylbenzidine	2000	U
70-30-4	Hexachlorophene	2000	U
61-51-5	Dimethoate	410	U
2303-16-4	Diallate	410	U
110-86-1	Pyridine	410	U
140-57-8	Aramite	2000	U
88-85-7	2-Secbutyl-4,6-Dinitrophenol	410	U
108-39-4	M-Cresol	410	U

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ORGANICS ANALYSIS DATA SHEET

SAMPLE N

TCCSD16E000

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG3

Matrix: (soil/water) SOIL Lab Sample ID: P167641

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP0726910J

Level: (low/med) LOW Date Received: 07/07/91

% Moisture: not dec. 24 dec. ____ Date Extracted: 07/11/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/26/91

GPC Cleanup: (Y/N) N pH: 7.8 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
62-75-9	N-Nitrosodimethylamine	430	U
108-95-2	Phenol	430	U
62-53-3	Aniline	430	U
111-44-4	bis(2-Chloroethyl)Ether	430	U
95-57-8	2-Chlorophenol	430	U
541-73-1	1,3-Dichlorobenzene	430	U
106-46-7	1,4-Dichlorobenzene	430	U
100-51-6	Benzyl Alcohol	430	U
95-50-1	1,2-Dichlorobenzene	430	U
95-48-7	2-Methylphenol	430	U
39638-32-9	bis(2-Chloroisopropyl)Ether	430	U
106-44-5	4-Methylphenol	430	U
621-64-7	N-Nitroso-Di-n-Propylamine	430	U
67-72-1	Hexachloroethane	430	U
98-95-3	Nitrobenzene	430	U
78-59-1	Isophorone	430	U
88-75-5	2-Nitrophenol	430	U
105-67-9	2,4-Dimethylphenol	430	U
111-91-1	bis(2-Chloroethoxy)Methane	430	U
120-83-2	2,4-Dichlorophenol	430	U

ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TCCSD16E000

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG3

Matrix: (soil/water) SOIL Lab Sample ID: P167641

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP07269103

Level: (low/med) LOW Date Received: 07/07/91

% Moisture: not dec. 24 dec. ____ Date Extracted: 07/11/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/26/91

GPC Cleanup: (Y/N) N pH: 7.8 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
62-75-9	N-Nitrosodimethylamine	430	U
108-95-2	Phenol	430	U
62-53-3	Aniline	430	U
111-44-4	bis(2-Chloroethyl)Ether	430	U
95-57-8	2-Chlorophenol	430	U
541-73-1	1,3-Dichlorobenzene	430	U
106-46-7	1,4-Dichlorobenzene	430	U
100-51-6	Benzyl Alcohol	430	U
95-50-1	1,2-Dichlorobenzene	430	U
95-48-7	2-Methylphenol	430	U
39638-32-9	bis(2-Chloroisopropyl)Ether	430	U
106-44-5	4-Methylphenol	430	U
621-64-7	N-Nitroso-Di-n-Propylamine	430	U
67-72-1	Hexachloroethane	430	U
98-95-3	Nitrobenzene	430	U
78-59-1	Isophorone	430	U
88-75-5	2-Nitrophenol	430	U
105-67-9	2,4-Dimethylphenol	430	U
111-91-1	bis(2-Chloroethoxy)Methane	430	U
120-83-2	2,4-Dichlorophenol	430	U

ORGANICS ANALYSIS DATA SHEET

TOCSD16E0000

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG3

Matrix: (soil/water) SOIL Lab Sample ID: P167641

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP07269103

Level: (low/med) LOW Date Received: 07/07/91

% Moisture: not dec. 24 dec. ____ Date Extracted: 07/11/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/26/91

GPC Cleanup: (Y/N) N pH: 7.8 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
120-82-1	1,2,4-Trichlorobenzene	430	U
91-20-3	Naphthalene	430	U
106-47-8	4-Chloroaniline	430	U
87-68-3	Hexachlorobutadiene	430	U
59-50-7	4-Chloro-3-Methylphenol	430	U
91-57-6	2-Methylnaphthalene	430	U
77-47-4	Hexachlorocyclopentadiene	430	U
88-06-2	2,4,6-Trichlorophenol	430	U
95-95-4	2,4,5-Trichlorophenol	2100	U
91-58-7	2-Chloronaphthalene	430	U
88-74-4	2-Nitroaniline	2100	U
131-11-3	Dimethyl Phthalate	430	U
208-96-8	Acenaphthylene	430	U
606-20-2	2,6-Dinitrotoluene	430	U
99-09-2	3-Nitroaniline	2100	U
83-32-9	Acenaphthene	430	U
51-28-5	2,4-Dinitrophenol	2100	U
100-02-7	4-Nitrophenol	2100	~~U~~ UJ
132-64-9	Dibenzofuran	430	U
121-14-2	2,4-Dinitrotoluene	430	U

ORGANICS ANALYSIS DATA SHEET

TOCSD16E0000

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG3

Matrix: (soil/water) SOIL Lab Sample ID: P167641

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP07269103

Level: (low/med) LOW Date Received: 07/07/91

% Moisture: not dec. 24 dec. ____ Date Extracted: 07/11/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/26/91

GPC Cleanup: (Y/N) N pH: 7.8 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
120-82-1	1,2,4-Trichlorobenzene	430	U
91-20-3	Naphthalene	430	U
106-47-8	4-Chloroaniline	430	U
87-68-3	Hexachlorobutadiene	430	U
59-50-7	4-Chloro-3-Methylphenol	430	U
91-57-6	2-Methylnaphthalene	430	U
77-47-4	Hexachlorocyclopentadiene	430	U
88-06-2	2,4,6-Trichlorophenol	430	U
95-95-4	2,4,5-Trichlorophenol	2100	U
91-58-7	2-Chloronaphthalene	430	U
88-74-4	2-Nitroaniline	2100	U
131-11-3	Dimethyl Phthalate	430	U
208-96-8	Acenaphthylene	430	U
606-20-2	2,6-Dinitrotoluene	430	U
99-09-2	3-Nitroaniline	2100	U
83-32-9	Acenaphthene	430	U
51-28-5	2,4-Dinitrophenol	2100	U
100-02-7	4-Nitrophenol	2100	~~U~~ UJ
132-64-9	Dibenzofuran	430	U
121-14-2	2,4-Dinitrotoluene	430	U

1X

ORGANICS ANALYSIS DATA SHEET

SAMPLE N

TCCSD16E000

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG3

Matrix: (soil/water) SOIL Lab Sample ID: P167641

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP07269103

Level: (low/med) LOW Date Received: 07/07/91

% Moisture: not dec. 24 dec. _____ Date Extracted: 07/11/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/26/91

GPC Cleanup: (Y/N) N pH: 7.8 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
84-66-2	Diethylphthalate	430	U
7005-72-3	4-Chlorophenyl-phenylether	430	U
86-73-7	Fluorene	430	U
100-10-6	4-Nitroaniline	2100	U
534-52-1	4,6-Dinitro-2-Methylphenol	2100	U
86-30-6	N-Nitrosodiphenylamine (1)	430	U
101-55-3	4-Bromophenyl-phenylether	430	U
118-74-1	Hexachlorobenzene	430	U
87-86-5	Pentachlorophenol	2100	U
85-01-8	Phenanthrene	430	U
120-12-7	Anthracene	430	U
84-74-2	Di-n-Butylphthalate	430	U
206-44-0	Fluoranthene	430	U
129-00-0	Pyrene	430	U
85-68-7	Butylbenzylphthalate	430	U
91-94-1	3,3'-Dichlorobenzidine	870	U
56-55-3	Benzo(a)Anthracene	430	U
218-01-9	Chrysene	430	U
117-81-7	bis(2-Ethylhexyl)Phthalate	430	U
117-84-0	Di-n-Octyl Phthalate	430	U

1X

ORGANICS ANALYSIS DATA SHEET

SAMPLE NO

TCCSD16E0000

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNE SAS No.: _____ SDG No.: PKG3

Matrix: (soil/water) SOIL Lab Sample ID: P167641

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP07269103

Level: (low/med) LOW Date Received: 07/07/91

% Moisture: not dec. 24 dec. ____ Date Extracted: 07/11/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/26/91

GPC Cleanup: (Y/N) N pH: 7.8 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
84-66-2	Diethylphthalate	430	U
7005-72-3	4-Chlorophenyl-phenylether	430	U
86-73-7	Fluorene	430	U
100-10-6	4-Nitroaniline	2100	U
534-52-1	4,6-Dinitro-2-Methylphenol	2100	U
86-30-6	N-Nitrosodiphenylamine (1)	430	U
101-55-3	4-Bromophenyl-phenylether	430	U
118-74-1	Hexachlorobenzene	430	U
87-86-5	Pentachlorophenol	2100	U
85-01-8	Phenanthrene	430	U
120-12-7	Anthracene	430	U
84-74-2	Di-n-Butylphthalate	430	U
206-44-0	Fluoranthene	430	U
129-00-0	Pyrene	430	U
85-68-7	Butylbenzylphthalate	430	U
91-94-1	3,3'-Dichlorobenzidine	870	U
56-55-3	Benzo(a)Anthracene	430	U
218-01-9	Chrysene	430	U
117-81-7	bis(2-Ethylhexyl)Phthalate	430	U
117-84-0	Di-n-Octyl Phthalate	430	U

TCC3D18E0000

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PMG3

Lab Sample ID: P167641

Matrix: (soil/water) SOIL

Lab File ID: ABP07269103

Sample wt/vol: 30.0 (g/mL) G

Date Received: 07/07/91

Level: (low/med) LOW

Date Extracted: 07/11/91

% Moisture: not dec. 24 dec. ____

Date Analyzed: 07/26/91

Extraction: (SepF/Cont/Sonc) SONC

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.8

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND		Q
205-99-2	Benzo(b)Fluoranthene	430	U
207-08-9	Benzo(k)Fluoranthene	430	U
50-32-8	Benzo(a)Pyrene	430	U
193-39-5	Indeno(1,2,3-cd)Pyrene	430	U
53-70-3	Dibenzo(a,h)Anthracene	430	U
191-24-2	Benzo(g,h,i)Perylene	430	U
58-90-2	2,3,4,6-Tetrachlorophenol	430	U
109-06-8	Pyridine, 2-Methyl (2-Picolin	430	U
62-50-0	Methanesulfonic acid, Ethyl	430	U
100-75-4	N-Nitrosopiperidine	430	U
87-65-0	2,6-Dichlorophenol	430	U
924-16-3	N-Nitroso-di-n-butylamine	430	~~U~~ UJ
66-27-3	Methanesulfonic acid, Methyl	430	U
98-86-2	Acetophenone	430	U
122-09-8	A,A-Dimethylphenylamine	430	U
608-93-5	Pentachlorobenzene	430	~~U~~ UJ
92-67-1	4-Amino Biphenyl	430	U
60-11-7	P-Dimethylaminoazobenzene	430	~~U~~ UJ
57-97-6	7,12-Dimethyl Benzo(A)Anthrac	430	U
95-94-3	1,2,4,5-Tetrachlorobenzene		

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG3

Matrix: (soil/water) SOIL Lab Sample ID: P167641

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP07269103

Level: (low/med) LOW Date Received: 07/07/91

% Moisture: not dec. 24 dec. ____ Date Extracted: 07/11/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/26/91

GPC Cleanup: (Y/N) N pH: 7.8 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
205-99-2	Benzo(b)Fluoranthene	430	U
207-08-9	Benzo(k)Fluoranthene	430	U
50-32-8	Benzo(a)Pyrene	430	U
193-39-5	Indeno(1,2,3-cd)Pyrene	430	U
53-70-3	Dibenzo(a,h)Anthracene	430	U
191-24-2	Benzo(g,h,i)Perylene	430	U
58-90-2	2,3,4,6-Tetrachlorophenol	430	U
109-06-8	Pyridine, 2-Methyl (2-Picolin	430	U
62-50-0	Methanesulfonic acid, Ethyl	430	U
100-75-4	N-Nitrosopiperidine	430	U
87-65-0	2,6-Dichlorophenol	430	U
924-16-3	N-Nitroso-di-n-butylamine	430	U
66-27-3	Methanesulfonic acid, Methyl	430	~~U~~ UJ
98-86-2	Acetophenone	430	U
122-09-8	A,A-Dimethylphenylamine	430	U
608-93-5	Pentachlorobenzene	430	U
92-67-1	4-Amino Biphenyl	430	~~U~~ UJ
60-11-7	P-Dimethylaminoazobenzene	430	U
57-97-6	7,12-Dimethyl Benzo(A)Anthrac	430	~~U~~ UJ
95-94-3	1,2,4,5-Tetrachlorobenzene	430	U

TCCSD16E

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG3

Matrix: (soil/water) SOIL Lab Sample ID: P167641

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP07269103

Level: (low/med) LOW Date Received: 07/07/91

% Moisture: not dec. 24 dec. ____ Date Extracted: 07/11/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/26/91

GPC Cleanup: (Y/N) N pH: 7.8 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
122-39-4	Diphenylamine	430	U
62-44-2	Phenacetin	430	U
56-49-5	3-Methylcholanthrene	430	U
23950-58-5	Pronamide	430	U
106-50-3	1,4-Benzenediamine	2100	U
120-58-1	Isosafrole	430	U
91-59-8	2-Naphthaleneamine	430	~~U~~ UJ
99-55-8	5-Nitro-O-Toluidine	430	U
56-57-5	4-Nitroquinoline-1-Oxide	2100	U
91-80-5	Methapyrilene	430	U
53-96-3	2-Acetylaminofluorene	430	U
10595-95-6	N-Nitrosomethylethylamine	430	U
55-18-5	N-Nitrosodiethylamine	430	U
930-55-2	N-Nitrosopyrrolidine	430	U
59-89-2	N-Nitrosomorpholine	430	U
95-53-4	O-Toluidine	430	U
126-68-1	O,O,O,-Triethylphosphorthioat	2100	U
82-68-8	Pentachloronitrobenzene	~~2100~~	~~U~~ R
94-59-7	Safrole	430	U
130-15-4	1,4-Napthoquinone	430	U

TDCSD16E

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKGJ

Matrix: (soil/water) SOIL Lab Sample ID: P167641

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP07269103

Level: (low/med) LOW Date Received: 07/07/91

% Moisture: not dec. 24 dec. ____ Date Extracted: 07/11/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/26/91

GPC Cleanup: (Y/N) N pH: 7.8 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
122-39-4	Diphenylamine	430	U
62-44-2	Phenacetin	430	U
56-49-5	3-Methylcholanthrene	430	U
23950-58-5	Pronamide	430	U
106-50-3	1,4-Benzenediamine	2100	U
120-58-1	Isosafrole	430	U
91-59-8	2-Naphthaleneamine	430	~~U~~ UJ
99-55-8	5-Nitro-O-Toluidine	430	U
56-57-5	4-Nitroquinoline-1-Oxide	2100	U
91-80-5	Methapyrilene	430	U
53-96-3	2-Acetylaminofluorene	430	U
10595-95-6	N-Nitrosomethylethylamine	430	U
55-18-5	N-Nitrosodiethylamine	430	U
930-55-2	N-Nitrosopyrrolidine	430	U
58-89-2	N-Nitrosomorpholine	430	U
95-53-4	O-Toluidine	430	U
126-68-1	O,O,O,-Triethylphosphorthioat	2100	U
82-68-8	Pentachloronitrobenzene	~~2100~~	~~U~~ R
94-59-7	Safrole	430	U
130-15-4	1,4-Napthoquinone	430	U

ORGANICS ANALYSIS DATA SHEET

TCCSD16E0000

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG3

Matrix: (soil/water) SOIL Lab Sample ID: P167641

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP07269103

Level: (low/med) LOW Date Received: 07/07/91

% Moisture: not dec. 24 dec. ____ Date Extracted: 07/11/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/26/91

GPC Cleanup: (Y/N) N pH: 7.8 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-35-4	1,3,5-Trinitrobenzene	2100	U
1888-71-7	Hexachloropropene	2100	U
99-65-0	1,3-Dinitrobenzene	2100	U
91-94-1	3,3'-Dimethylbenzidine	2100	U
70-30-4	Hexachlorophene	2100	U
61-51-5	Dimethoate	430	U
2303-16-4	Diallate	430	U
110-86-1	Pyridine	430	U
140-57-8	Aramite	2100	U
88-85-7	2-Secbutyl-4,6-Dinitrophenol	430	U
108-39-4	M-Cresol	430	U

ORGANICS ANALYSIS DATA SHEET

TCCSD16E0000

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG3

Matrix: (soil/water) SOIL Lab Sample ID: P167641

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP07269103

Level: (low/med) LOW Date Received: 07/07/91

% Moisture: not dec. 24 dec. ____ Date Extracted: 07/11/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/26/91

GPC Cleanup: (Y/N) N pH: 7.8 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-35-4	1,3,5-Trinitrobenzene	2100	U
1888-71-7	Hexachloropropene	2100	U
99-65-0	1,3-Dinitrobenzene	2100	U
91-94-1	3,3'-Dimethylbenzidine	2100	U
70-30-4	Hexachlorophene	2100	U
61-51-5	Dimethoate	430	U
2303-16-4	Diallate	430	U
110-86-1	Pyridine	430	U
140-57-8	Aramite	2100	U
88-85-7	2-Secbutyl-4,6-Dinitrophenol	430	U
108-39-4	M-Cresol	430	U

1X

ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TCCSD20E000

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNE SAS No.: _____ SDG No.: PKG3

Matrix: (soil/water) SOIL Lab Sample ID: P167645

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP07269104

Level: (low/med) LOW Date Received: 07/07/91

% Moisture: not dec. 28 dec. _____ Date Extracted: 07/11/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/26/91

GPC Cleanup: (Y/N) N pH: 7.7 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
62-75-9	N-Nitrosodimethylamine	460	U
108-95-2	Phenol	460	U
62-53-3	Aniline	460	U
111-44-4	bis(2-Chloroethyl)Ether	460	U
95-57-8	2-Chlorophenol	460	U
541-73-1	1,3-Dichlorobenzene	460	U
106-46-7	1,4-Dichlorobenzene	460	U
100-51-6	Benzyl Alcohol	460	U
95-50-1	1,2-Dichlorobenzene	460	U
95-48-7	2-Methylphenol	460	U
39638-32-9	bis(2-Chloroisopropyl)Ether	460	U
106-44-5	4-Methylphenol	460	U
621-64-7	N-Nitroso-Di-n-Propylamine	460	U
67-72-1	Hexachloroethane	460	U
98-95-3	Nitrobenzene	460	U
78-59-1	Isophorone	460	U
88-75-5	2-Nitrophenol	460	U
105-67-9	2,4-Dimethylphenol	460	U
111-91-1	bis(2-Chloroethoxy)Methane	460	U
120-83-2	2,4-Dichlorophenol	460	U

1X

ORGANICS ANALYSIS DATA SHEET

SAMPLE NO

TCCSD20E000

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG3

Matrix: (soil/water) SOIL Lab Sample ID: P167645

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP07269104

Level: (low/med) LOW Date Received: 07/07/91

% Moisture: not dec. 28 dec. ____ Date Extracted: 07/11/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/26/91

GPC Cleanup: (Y/N) N pH: 7.7 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
62-75-9	N-Nitrosodimethylamine	460	U
108-95-2	Phenol	460	U
62-53-3	Aniline	460	U
111-44-4	bis(2-Chloroethyl)Ether	460	U
95-57-8	2-Chlorophenol	460	U
541-73-1	1,3-Dichlorobenzene	460	U
106-46-7	1,4-Dichlorobenzene	460	U
100-51-6	Benzyl Alcohol	460	U
95-50-1	1,2-Dichlorobenzene	460	U
95-48-7	2-Methylphenol	460	U
39638-32-9	bis(2-Chloroisopropyl)Ether	460	U
106-44-5	4-Methylphenol	460	U
621-64-7	N-Nitroso-Di-n-Propylamine	460	U
67-72-1	Hexachloroethane	460	U
98-95-3	Nitrobenzene	460	U
78-59-1	Isophorone	460	U
88-75-5	2-Nitrophenol	460	U
105-67-9	2,4-Dimethylphenol	460	U
111-91-1	bis(2-Chloroethoxy)Methane	460	U
120-83-2	2,4-Dichlorophenol	460	U

1X

ORGANICS ANALYSIS DATA SHEET

SAMPLE NO

TCCSD20E000

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNI SAS No.: _____ SDG No.: PKG3

Matrix: (soil/water) SOIL Lab Sample ID: P167645

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP07269104

Level: (low/med) LOW Date Received: 07/07/91

% Moisture: not dec. 28 dec. ____ Date Extracted: 07/11/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/26/91

GPC Cleanup: (Y/N) N pH: 7.7 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
120-82-1	1,2,4-Trichlorobenzene	460	U
91-20-3	Naphthalene	460	U
106-47-8	4-Chloroaniline	460	U
87-68-3	Hexachlorobutadiene	460	U
59-50-7	4-Chloro-3-Methylphenol	460	U
91-57-6	2-Methylnaphthalene	460	U
77-47-4	Hexachlorocyclopentadiene	460	U
88-06-2	2,4,6-Trichlorophenol	460	U
95-95-4	2,4,5-Trichlorophenol	2200	U
91-58-7	2-Chloronaphthalene	460	U
88-74-4	2-Nitroaniline	2200	U
131-11-3	Dimethyl Phthalate	460	U
208-96-8	Acenaphthylene	460	U
606-20-2	2,6-Dinitrotoluene	460	U
99-09-2	3-Nitroaniline	2200	U
83-32-9	Acenaphthene	460	U
51-28-5	2,4-Dinitrophenol	2200	U
100-02-7	4-Nitrophenol	2200	~~U~~ UJ
132-64-9	Dibenzofuran	460	U
121-14-2	2,4-Dinitrotoluene	460	U

1X

ORGANICS ANALYSIS DATA SHEET

SAMPLE N

TCCSD20E000

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TN SAS No.: _____ SDG No.: PKG3

Matrix: (soil/water) SOIL Lab Sample ID: P167645

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP07269104

Level: (low/med) LOW Date Received: 07/07/91

% Moisture: not dec. 28 dec. _____ Date Extracted: 07/11/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/26/91

GPC Cleanup: (Y/N) N pH: 7.7 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
120-82-1	1,2,4-Trichlorobenzene	460	U
91-20-3	Naphthalene	460	U
106-47-8	4-Chloroaniline	460	U
87-68-3	Hexachlorobutadiene	460	U
59-50-7	4-Chloro-3-Methylphenol	460	U
91-57-6	2-Methylnaphthalene	460	U
77-47-4	Hexachlorocyclopentadiene	460	U
88-06-2	2,4,6-Trichlorophenol	460	U
95-95-4	2,4,5-Trichlorophenol	2200	U
91-58-7	2-Chloronaphthalene	460	U
88-74-4	2-Nitroaniline	2200	U
131-11-3	Dimethyl Phthalate	460	U
208-96-8	Acenaphthylene	460	U
606-20-2	2,6-Dinitrotoluene	460	U
99-09-2	3-Nitroaniline	2200	U
83-32-9	Acenaphthene	460	U
51-28-5	2,4-Dinitrophenol	2200	U
100-02-7	4-Nitrophenol	2200	~~U~~ UJ
132-64-9	Dibenzofuran	460	U
121-14-2	2,4-Dinitrotoluene	460	U

ORGANICS ANALYSIS DATA SHEET

TCCSD20E0000

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG3

Matrix: (soil/water) SOIL Lab Sample ID: P167645

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP07269104

Level: (low/med) LOW Date Received: 07/07/91

% Moisture: not dec. 28 dec. _____ Date Extracted: 07/11/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/26/91

GPC Cleanup: (Y/N) N pH: 7.7 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
84-66-2	Diethylphthalate	460	U
7005-72-3	4-Chlorophenyl-phenylether	460	U
86-73-7	Fluorene	460	U
100-10-6	4-Nitroaniline	2200	U
534-52-1	4,6-Dinitro-2-Methylphenol	2200	U
86-30-6	N-Nitrosodiphenylamine (1)	460	U
101-55-3	4-Bromophenyl-phenylether	460	U
118-74-1	Hexachlorobenzene	460	U
87-86-5	Pentachlorophenol	2200	U
85-01-8	Phenanthrene	460	U
120-12-7	Anthracene	460	U
84-74-2	Di-n-Butylphthalate	460	U
206-44-0	Fluoranthene	460	U
129-00-0	Pyrene	460	U
85-68-7	Butylbenzylphthalate	460	U
91-94-1	3,3'-Dichlorobenzidine	920	U
56-55-3	Benzo(a)Anthracene	460	U
218-01-9	Chrysene	460	U
117-81-7	bis(2-Ethylhexyl)Phthalate	460	U
117-84-0	Di-n-Octyl Phthalate	460	U

ORGANICS ANALYSIS DATA SHEET

TCCSD20E0000

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG3

Matrix: (soil/water) SOIL Lab Sample ID: P167645

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP07269104

Level: (low/med) LOW Date Received: 07/07/91

% Moisture: not dec. 28 dec. ____ Date Extracted: 07/11/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/26/91

GPC Cleanup: (Y/N) N pH: 7.7 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
84-66-2	Diethylphthalate	460	U
7005-72-3	4-Chlorophenyl-phenylether	460	U
86-73-7	Fluorene	460	U
100-10-6	4-Nitroaniline	2200	U
534-52-1	4,6-Dinitro-2-Methylphenol	2200	U
86-30-6	N-Nitrosodiphenylamine (1)	460	U
101-55-3	4-Bromophenyl-phenylether	460	U
118-74-1	Hexachlorobenzene	460	U
87-86-5	Pentachlorophenol	2200	U
85-01-8	Phenanthrene	460	U
120-12-7	Anthracene	460	U
84-74-2	Di-n-Butylphthalate	460	U
206-44-0	Fluoranthene	460	U
129-00-0	Pyrene	460	U
85-68-7	Butylbenzylphthalate	460	U
91-94-1	3,3'-Dichlorobenzidine	920	U
56-55-3	Benzo(a)Anthracene	460	U
218-01-9	Chrysene	460	U
117-81-7	bis(2-Ethylhexyl)Phthalate	460	U
117-84-0	Di-n-Octyl Phthalate	460	U

ORGANICS ANALYSIS DATA SHEET

TCCSD20E000

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG3

Matrix: (soil/water) SOIL Lab Sample ID: P167645

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP07269104

Level: (low/med) LOW Date Received: 07/07/91

% Moisture: not dec. 28 dec. ____ Date Extracted: 07/11/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/26/91

GPC Cleanup: (Y/N) N pH: 7.7 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
205-99-2	Benzo(b)Fluoranthene	460	U
207-08-9	Benzo(k)Fluoranthene	460	U
50-32-8	Benzo(a)Pyrene	460	U
193-39-5	Indeno(1,2,3-cd)Pyrene	460	U
53-70-3	Dibenzo(a,h)Anthracene	460	U
191-24-2	Benzo(g,h,i)Perylene	460	U
58-90-2	2,3,4,6-Tetrachlorophenol	460	U
109-06-8	Pyridine, 2-Methyl (2-Picolin	460	U
62-50-0	Methanesulfonic acid, Ethyl	460	U
100-75-4	N-Nitrosopiperidine	460	U
87-65-0	2,6-Dichlorophenol	460	U
924-16-3	N-Nitroso-di-n-butylamine	460	U
66-27-3	Methanesulfonic acid, Methyl	460	~~U~~ UJ
98-86-2	Acetophenone	460	U
122-09-8	A,A-Dimeth lphenylamine	460	U
608-93-5	Pentachlor benzene	460	U
92-67-1	4-Amino Biphenyl	460	~~U~~ UJ
60-11-7	P-Dimethylaminoazobenzene	460	U
57-97-6	7,12-Dimethyl Benzo(A)Anthrac	460	~~U~~ UJ
95-94-3	1,2,4,5-Tetrachlorobenzene	460	U

ORGANICS ANALYSIS DATA SHEET

TCCSD20E000

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG3

Matrix: (soil/water) SOIL Lab Sample ID: P167645

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP07269104

Level: (low/med) LOW Date Received: 07/07/91

% Moisture: not dec. 28 dec. _____ Date Extracted: 07/11/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/26/91

GPC Cleanup: (Y/N) N pH: 7.7 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
205-99-2	Benzo(b)Fluoranthene	460	U
207-08-9	Benzo(k)Fluoranthene	460	U
50-32-8	Benzo(a)Pyrene	460	U
193-39-5	Indeno(1,2,3-cd)Pyrene	460	U
53-70-3	Dibenzo(a,h)Anthracene	460	U
191-24-2	Benzo(g,h,i)Perylene	460	U
58-90-2	2,3,4,6-Tetrachlorophenol	460	U
109-06-8	Pyridine, 2-Methyl (2-Picolin	460	U
62-50-0	Methanesulfonic acid, Ethyl	460	U
100-75-4	N-Nitrosopiperidine	460	U
87-65-0	2,6-Dichlorophenol	460	U
924-16-3	N-Nitroso-di-n-butylamine	460	U
66-27-3	Methanesulfonic acid, Methyl	460	~~U~~ UJ
98-86-2	Acetophenone	460	U
122-09-8	A,A-Dimeth lphenylamine	460	U
608-93-5	Pentachlor benzene	460	U
92-67-1	4-Amino Biphenyl	460	~~U~~ UJ
60-11-7	P-Dimethylaminoazobenzene	460	U
57-97-6	7,12-Dimethyl Benzo(A)Anthrac	460	~~U~~ UJ
95-94-3	1,2,4,5-Tetrachlorobenzene	460	U

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ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TCCSD20E000

Lab Name: NUS-LSG Contract:

Lab Code: NUS-LSG Case No.: TNK SAS No.: SDG No.: PKG3

Matrix: (soil/water) SOIL Lab Sample ID: P167645

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP07269104

Level: (low/med) LOW Date Received: 07/07/91

% Moisture: not dec. 28 dec. Date Extracted: 07/11/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/26/91

GPC Cleanup: (Y/N) N pH: 7.7 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
122-39-4	Diphenylamine	460	U
62-44-2	Phenacetin	460	U
56-49-5	3-Methylcholanthrene	460	U
23950-58-5	Pronamide	460	U
106-50-3	1,4-Benzenediamine	2200	U
120-58-1	Isosafrole	460	U
91-59-8	2-Naphthaleneamine	460	~~U~~ UJ
99-55-8	5-Nitro-O-Toluidine	460	U
56-57-5	4-Nitroquinoline-1-Oxide	2200	U
91-80-5	Methapyrilene	460	U
53-96-3	2-Acetylaminofluorene	460	U
10595-95-6	N-Nitrosomethylethylamine	460	U
55-18-5	N-Nitrosodiethylamine	460	U
930-55-2	N-Nitrosopyrrolidine	460	U
58-89-2	N-Nitrosomorpholine	460	U
95-53-4	O-Toluidine	460	U
126-68-1	O,O,O,-Triethylphosphorthioat	2200	U
82-68-8	Pentachloronitrobenzene	~~2200~~	~~U~~ R
94-59-7	Safrole	460	U
130-15-4	1,4-Napthoquinone	460	U

1X

ORGANICS ANALYSIS DATA SHEET

SAMPLE NO

TCCSD20E0000

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG3

Matrix: (soil/water) SOIL Lab Sample ID: P167645

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP07269104

Level: (low/med) LOW Date Received: 07/07/91

% Moisture: not dec. 28 dec. _____ Date Extracted: 07/11/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/26/91

GPC Cleanup: (Y/N) N pH: 7.7 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
122-39-4	Diphenylamine	460	U
62-44-2	Phenacetin	460	U
56-49-5	3-Methylcholanthrene	460	U
23950-58-5	Pronamide	460	U
106-50-3	1,4-Benzenediamine	2200	U
120-58-1	Isosafrole	460	U
91-59-8	2-Naphthaleneamine	460	~~U~~ UJ
99-55-8	5-Nitro-O-Toluidine	460	U
56-57-5	4-Nitroquinoline-1-Oxide	2200	U
91-80-5	Methapyrilene	460	U
53-96-3	2-Acetylaminofluorene	460	U
10595-95-6	N-Nitrosomethylethylamine	460	U
55-18-5	N-Nitrosodiethylamine	460	U
930-55-2	N-Nitrosopyrrolidine	460	U
58-89-2	N-Nitrosomorpholine	460	U
95-53-4	O-Toluidine	460	U
126-68-1	O,O,O,-Triethylphosphorthioat	2200	U
82-68-8	Pentachloronitrobenzene	~~2200~~	~~U~~ R
94-59-7	Safrole	460	U
130-15-4	1,4-Napthoquinone	460	U

ORGANICS ANALYSIS DATA SHEET

TCCSD20E0000

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG3

Matrix: (soil/water) SOIL Lab Sample ID: P167645

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP07269104

Level: (low/med) LOW Date Received: 07/07/91

% Moisture: not dec. 28 dec. _____ Date Extracted: 07/11/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/26/91

GPC Cleanup: (Y/N) N pH: 7.7 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-35-4	1,3,5-Trinitrobenzene	2200	U
1888-71-7	Hexachloropropene	2200	U
99-65-0	1,3-Dinitrobenzene	2200	U
91-94-1	3,3'-Dimethylbenzidine	2200	U
70-30-4	Hexachlorophene	2200	U
61-51-5	Dimethoate	460	U
2303-16-4	Diallate	460	U
110-86-1	Pyridine	460	U
140-57-8	Aramite	2200	U
88-85-7	2-Secbutyl-4,6-Dinitrophenol	460	U
108-39-4	M-Cresol	460	U

ORGANICS ANALYSIS DATA SHEET

TCCSD20E0000

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG3

Matrix: (soil/water) SOIL Lab Sample ID: P167645

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP07269104

Level: (low/med) LOW Date Received: 07/07/91

% Moisture: not dec. 28 dec. _____ Date Extracted: 07/11/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/26/91

GPC Cleanup: (Y/N) N pH: 7.7 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-35-4	1,3,5-Trinitrobenzene	2200	U
1888-71-7	Hexachloropropene	2200	U
99-65-0	1,3-Dinitrobenzene	2200	U
91-94-1	3,3'-Dimethylbenzidine	2200	U
70-30-4	Hexachlorophene	2200	U
61-51-5	Dimethoate	460	U
2303-16-4	Diallate	460	U
110-86-1	Pyridine	460	U
140-57-8	Aramite	2200	U
88-85-7	2-Secbutyl-4,6-Dinitrophenol	460	U
108-39-4	M-Cresol	460	U

E-3

PESTICIDES/POLYCHLORINATED BIPHENYLS AND RADIOACTIVITY IN SEDIMENT - JULY 1991

E-3

PESTICIDES/POLYCHLORINATED BIPHENYLS AND RADIOACTIVITY IN SEDIMENT - JULY 1991

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

TKCSD01E0000

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS Case No.: TNK SAS No.: _____ SDG No.: PKG2

Matrix: (soil/water) SOIL Lab Sample ID: P167566

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

Level: (low/med) LOW Date Received: 07/04/91

% Moisture: not dec. 21 dec. __ Date Extracted: 07/11/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/23/91

GPC Cleanup: (Y/N) N pH: 7.9 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	10	U
319-85-7	beta-BHC	10	U
319-86-8	delta-BHC	10	U
58-89-9	Lindane	10	U
76-44-8	Heptachlor	10	U
309-00-2	Aldrin	10	U
1024-57-3	Heptachlor epoxide	10	U
959-98-8	Endosulfan I	10	U
60-57-1	Dieldrin	20	U
72-55-9	4,4'-DDE	20	U
72-20-8	Endrin	20	U
33213-65-9	Endosulfan II	20	U
72-54-8	4,4'-DDD	20	U
1031-07-8	Endosulfan sulfate	20	U
50-29-3	4,4'-DDT	20	U
72-43-5	Methoxychlor	100	U
53494-70-5	Endrin ketone	20	U
5103-71-9	alpha-Chlordane	100	U
5103-74-2	gamma-Chlordane	100	U
8001-35-2	Toxaphene	200	U
12674-11-2	Aroclor-1016	100	U
11104-28-2	Aroclor-1221	100	U
11141-16-5	Aroclor-1232	100	U
53469-21-9	Aroclor-1242	100	U
12672-29-6	Aroclor-1248	100	U
11097-69-1	Aroclor-1254	200	U
11096-82-5	Aroclor-1260	220	

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TKCSD01E0000

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS Case No.: TNK SAS No.: _____ SDG No.: PKG2

Matrix: (soil/water) SOIL Lab Sample ID: P167566

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

Level: (low/med) LOW Date Received: 07/04/91

% Moisture: not dec. 21 dec. __ Date Extracted: 07/11/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/23/91

GPC Cleanup: (Y/N) N pH: 7.9 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	10	U
319-85-7	beta-BHC	10	U
319-86-8	delta-BHC	10	U
58-89-9	Lindane	10	U
76-44-8	Heptachlor	10	U
309-00-2	Aldrin	10	U
1024-57-3	Heptachlor epoxide	10	U
959-98-8	Endosulfan I	10	U
60-57-1	Dieldrin	20	U
72-55-9	4,4'-DDE	20	U
72-20-8	Endrin	20	U
33213-65-9	Endosulfan II	20	U
72-54-8	4,4'-DDD	20	U
1031-07-8	Endosulfan sulfate	20	U
50-29-3	4,4'-DDT	20	U
72-43-5	Methoxychlor	100	U
53494-70-5	Endrin ketone	20	U
5103-71-9	alpha-Chlordane	100	U
5103-74-2	gamma-Chlordane	100	U
8001-35-2	Toxaphene	200	U
12674-11-2	Aroclor-1016	100	U
11104-28-2	Aroclor-1221	100	U
11141-16-5	Aroclor-1232	100	U
53469-21-9	Aroclor-1242	100	U
12672-29-6	Aroclor-1248	100	U
11097-69-1	Aroclor-1254	200	U
11096-82-5	Aroclor-1260	220	

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TCCSD06E(

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS Case No.: TNK SAS No.: _____ SDG No.: PKG2

Matrix: (soil/water) SOIL Lab Sample ID: P167563

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

Level: (low/med) LOW Date Received: 07/05/91

% Moisture: not dec. 22 dec. __ Date Extracted: 07/11/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/18/91

GPC Cleanup: (Y/N) N pH: 7.7 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	10	U
319-85-7	beta-BHC	10	U
319-86-8	delta-BHC	10	~~U~~ UJ
58-89-9	Lindane	10	U
76-44-8	Heptachlor	10	U
309-00-2	Aldrin	10	U
1024-57-3	Heptachlor epoxide	10	U
959-98-8	Endosulfan I	10	U
60-57-1	Dieldrin	21	U
72-55-9	4,4'-DDE	21	U
72-20-8	Endrin	21	~~U~~ UJ
33213-65-9	Endosulfan II	21	U
72-54-8	4,4'-DDD	21	U
1031-07-8	Endosulfan sulfate	21	U
50-29-3	4,4'-DDT	21	U
72-43-5	Methoxychlor	100	~~U~~ UJ
53494-70-5	Endrin ketone	21	U
5103-71-9	alpha-Chlordane	100	U
5103-74-2	gamma-Chlordane	100	U
8001-35-2	Toxaphene	210	U
12674-11-2	Aroclor-1016	100	U
11104-28-2	Aroclor-1221	100	U
11141-16-5	Aroclor-1232	100	U
53469-21-9	Aroclor-1242	100	U
12672-29-6	Aroclor-1248	100	U
11097-69-1	Aroclor-1254	210	U
11096-82-5	Aroclor-1260	210	U

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TCCSD06E(

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS Case No.: TNK SAS No.: _____ SDG No.: PKG2

Matrix: (soil/water) SOIL Lab Sample ID: P167563

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

Level: (low/med) LOW Date Received: 07/05/91

% Moisture: not dec. 22 dec. __ Date Extracted: 07/11/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/18/91

GPC Cleanup: (Y/N) N pH: 7.7 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	10	U
319-85-7	beta-BHC	10	U
319-86-8	delta-BHC	10	~~U~~ UJ
58-89-9	Lindane	10	U
76-44-8	Heptachlor	10	U
309-00-2	Aldrin	10	U
1024-57-3	Heptachlor epoxide	10	U
959-98-8	Endosulfan I	10	U
60-57-1	Dieldrin	21	U
72-55-9	4,4'-DDE	21	U
72-20-8	Endrin	21	~~U~~ UJ
33213-65-9	Endosulfan II	21	U
72-54-8	4,4'-DDD	21	U
1031-07-8	Endosulfan sulfate	21	U
50-29-3	4,4'-DDT	21	U
72-43-5	Methoxychlor	100	~~U~~ UJ
53494-70-5	Endrin ketone	21	U
5103-71-9	alpha-Chlordane	100	U
5103-74-2	gamma-Chlordane	100	U
8001-35-2	Toxaphene	210	U
12674-11-2	Aroclor-1016	100	U
11104-28-2	Aroclor-1221	100	U
11141-16-5	Aroclor-1232	100	U
53469-21-9	Aroclor-1242	100	U
12672-29-6	Aroclor-1248	100	U
11097-69-1	Aroclor-1254	210	U
11096-82-5	Aroclor-1260	210	U

Tinker PKG 2
PEST /PCB

1D

EPA SAMPLE NO.

PESTICIDE ORGANICS ANALYSIS DATA SHEET

TCCSD06F0000

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS Case No.: TNK SAS No.: _____ SDG No.: PKG2

Matrix: (soil/water) SOIL Lab Sample ID: P167564

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

Level: (low/med) LOW Date Received: 07/05/91

% Moisture: not dec. 24 dec. __ Date Extracted: 07/11/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/18/91

GPC Cleanup: (Y/N) N pH: 7.6 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	11	U
319-85-7	beta-BHC	11	U
319-86-8	delta-BHC	11	~~U~~ UJ
58-89-9	Lindane	11	U
76-44-8	Heptachlor	11	U
309-00-2	Aldrin	11	U
1024-57-3	Heptachlor epoxide	11	U
959-98-8	Endosulfan I	11	U
60-57-1	Dieldrin	21	U
72-55-9	4,4'-DDE	21	U
72-20-8	Endrin	21	~~U~~ UJ
33213-65-9	Endosulfan II	21	U
72-54-8	4,4'-DDD	21	U
1031-07-8	Endosulfan sulfate	21	U
50-29-3	4,4'-DDT	21	U
72-43-5	Methoxychlor	110	~~U~~ UJ
53494-70-5	Endrin ketone	21	U
5103-71-9	alpha-Chlordane	110	U
5103-74-2	gamma-Chlordane	110	U
8001-35-2	Toxaphene	210	U
12674-11-2	Aroclor-1016	110	U
11104-28-2	Aroclor-1221	110	U
11141-16-5	Aroclor-1232	110	U
53469-21-9	Aroclor-1242	110	U
12672-29-6	Aroclor-1248	110	U
11097-69-1	Aroclor-1254	210	U
11096-82-5	Aroclor-1260	210	U

Tinker PKG 2
PEST / PCB

1D

EPA SAMPLE NO.

TCCSD06F0000

PESTICIDE ORGANICS ANALYSIS DATA SHEET

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS Case No.: TNK SAS No.: _____ SDG No.: PKG2

Matrix: (soil/water) SOIL Lab Sample ID: F167564

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

Level: (low/med) LOW Date Received: 07/05/91

% Moisture: not dec. 24 dec. __ Date Extracted: 07/11/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/18/91

GPC Cleanup: (Y/N) N pH: 7.6 Dilution Factor: 1.00

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND		Q
319-84-6	alpha-BHC	11	U
319-85-7	beta-BHC	11	U
319-86-8	delta-BHC	11	~~U~~ UJ
58-89-9	Lindane	11	U
76-44-8	Heptachlor	11	U
309-00-2	Aldrin	11	U
1024-57-3	Heptachlor epoxide	11	U
959-98-8	Endosulfan I	11	U
60-57-1	Dieldrin	21	U
72-55-9	4,4'-DDE	21	U
72-20-8	Endrin	21	~~U~~ UJ
33213-65-9	Endosulfan II	21	U
72-54-8	4,4'-DDD	21	U
1031-07-8	Endosulfan sulfate	21	U
50-29-3	4,4'-DDT	21	U
72-43-5	Methoxychlor	110	~~U~~ UJ
53494-70-5	Endrin ketone	21	U
5103-71-9	alpha-Chlordane	110	U
5103-74-2	gamma-Chlordane	110	U
8001-35-2	Toxaphene	210	U
12674-11-2	Aroclor-1016	110	U
11104-28-2	Aroclor-1221	110	U
11141-16-5	Aroclor-1232	110	U
53469-21-9	Aroclor-1242	110	U
12672-29-6	Aroclor-1248	110	U
11097-69-1	Aroclor-1254	210	U
11096-82-5	Aroclor-1260	210	U

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TCCSD11E

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS Case No.: TNK SAS No.: _____ SDG No.: PKG3

Matrix: (soil/water) SOIL Lab Sample ID: P167638

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

Level: (low/med) LOW Date Received: 07/07/91

% Moisture: not dec. 20 dec. __ Date Extracted: 07/11/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/22/91

GPC Cleanup: (Y/N) N pH: 7.8 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	10	U
319-85-7	beta-BHC	10	U
319-86-8	delta-BHC	10	U
58-89-9	Lindane	10	U
76-44-8	Heptachlor	10	U
309-00-2	Aldrin	10	U
1024-57-3	Heptachlor epoxide	~~10~~	~~U~~ R
959-98-8	Endosulfan I	10	U
60-57-1	Dieldrin	20	U
72-55-9	4,4'-DDE	20	U
72-20-8	Endrin	20	~~U~~ UJ
33213-65-9	Endosulfan II	20	U
72-54-8	4,4'-DDD	20	U
1031-07-8	Endosulfan sulfate	20	~~U~~ UJ
50-29-3	4,4'-DDT	20	U
72-43-5	Methoxychlor	100	U
53494-70-5	Endrin ketone	20	U
5103-71-9	alpha-Chlordane	100	U
5103-74-2	gamma-Chlordane	100	U
8001-35-2	Toxaphene	200	U
12674-11-2	Aroclor-1016	100	U
11104-28-2	Aroclor-1221	100	U
11141-16-5	Aroclor-1232	100	U
53469-21-9	Aroclor-1242	100	U
12672-29-6	Aroclor-1248	100	U
11097-69-1	Aroclor-1254	200	U
11096-82-5	Aroclor-1260	200	U

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TCCSD11E

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS Case No.: TNK SAS No.: _____ SDG No.: PKG3

Matrix: (soil/water) SOIL Lab Sample ID: P167638

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

Level: (low/med) LOW Date Received: 07/07/91

% Moisture: not dec. 20 dec. __ Date Extracted: 07/11/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/22/91

GPC Cleanup: (Y/N) N pH: 7.8 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	10	U
319-85-7	beta-BHC	10	U
319-86-8	delta-BHC	10	U
58-89-9	Lindane	10	U
76-44-8	Heptachlor	10	U
309-00-2	Aldrin	10	U
1024-57-3	Heptachlor epoxide	~~10~~	~~U~~ R
959-98-8	Endosulfan I	10	U
60-57-1	Dieldrin	20	U
72-55-9	4,4'-DDE	20	U
72-20-8	Endrin	20	~~U~~ UJ
33213-65-9	Endosulfan II	20	U
72-54-8	4,4'-DDD	20	U
1031-07-8	Endosulfan sulfate	20	~~U~~ UJ
50-29-3	4,4'-DDT	20	U
72-43-5	Methoxychlor	100	U
53494-70-5	Endrin ketone	20	U
5103-71-9	alpha-Chlordane	100	U
5103-74-2	gamma-Chlordane	100	U
8001-35-2	Toxaphene	200	U
12674-11-2	Aroclor-1016	100	U
11104-28-2	Aroclor-1221	100	U
11141-16-5	Aroclor-1232	100	U
53469-21-9	Aroclor-1242	100	U
12672-29-6	Aroclor-1248	100	U
11097-69-1	Aroclor-1254	200	U
11096-82-5	Aroclor-1260	200	U

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TCCSD16E0000

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS Case No.: TNK SAS No.: _____ SDG No.: PKG3

Matrix: (soil/water) SOIL Lab Sample ID: P167641

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

Level: (low/med) LOW Date Received: 07/07/91

% Moisture: not dec. 24 dec. __ Date Extracted: 07/11/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/22/91

GPC Cleanup: (Y/N) N pH: 7.8 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	11	U
319-85-7	beta-BHC	11	U
319-86-8	delta-BHC	11	U
58-89-9	Lindane	11	U
76-44-8	Heptachlor	~~[illegible]~~	~~[illegible]~~ R 11
309-00-2	Aldrin	11	U
1024-57-3	Heptachlor epoxide	~~11~~	~~U~~ R
959-98-8	Endosulfan I	11	U
60-57-1	Dieldrin	21	U
72-55-9	4,4'-DDE	21	U
72-20-8	Endrin	21	~~U~~ UJ
33213-65-9	Endosulfan II	21	U
72-54-8	4,4'-DDD	21	U
1031-07-8	Endosulfan sulfate	21	~~U~~ UJ
50-29-3	4,4'-DDT	21	U
72-43-5	Methoxychlor	110	U
53494-70-5	Endrin ketone	21	U
5103-71-9	alpha-Chlordane	110	U
5103-74-2	gamma-Chlordane	110	U
8001-35-2	Toxaphene	210	U
12674-11-2	Aroclor-1016	110	U
11104-28-2	Aroclor-1221	110	U
11141-16-5	Aroclor-1232	110	U
53469-21-9	Aroclor-1242	110	U
12672-29-6	Aroclor-1248	110	U
11097-69-1	Aroclor-1254	210	U
11096-82-5	Aroclor-1260	210	U

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TCCSD16E0000

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS Case No.: TNK SAS No.: _____ SDG No.: PKG3

Matrix: (soil/water) SOIL Lab Sample ID: P167641

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

Level: (low/med) LOW Date Received: 07/07/91

% Moisture: not dec. 24 dec. __ Date Extracted: 07/11/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/22/91

GPC Cleanup: (Y/N) N pH: 7.8 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	11	U
319-85-7	beta-BHC	11	U
319-86-8	delta-BHC	11	U
58-89-9	Lindane	11	U
76-44-8	Heptachlor	~~[illegible]~~ R	11
309-00-2	Aldrin	11	U
1024-57-3	Heptachlor epoxide	~~11~~ ~~U~~ R	
959-98-8	Endosulfan I	11	U
60-57-1	Dieldrin	21	U
72-55-9	4,4'-DDE	21	U
72-20-8	Endrin	21	~~U~~ UJ
33213-65-9	Endosulfan II	21	U
72-54-8	4,4'-DDD	21	U
1031-07-8	Endosulfan sulfate	21	~~U~~ UJ
50-29-3	4,4'-DDT	21	U
72-43-5	Methoxychlor	110	U
53494-70-5	Endrin ketone	21	U
5103-71-9	alpha-Chlordane	110	U
5103-74-2	gamma-Chlordane	110	U
8001-35-2	Toxaphene	210	U
12674-11-2	Aroclor-1016	110	U
11104-28-2	Aroclor-1221	110	U
11141-16-5	Aroclor-1232	110	U
53469-21-9	Aroclor-1242	110	U
12672-29-6	Aroclor-1248	110	U
11097-69-1	Aroclor-1254	210	U
11096-82-5	Aroclor-1260	210	U

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TCCSD20[illegible]

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS Case No.: TNK SAS No.: _____ SDG No.: PKG3

Matrix: (soil/water) SOIL Lab Sample ID: P167645

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

Level: (low/med) LOW Date Received: 07/07/91

% Moisture: not dec. 28 dec. __ Date Extracted: 07/11/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/23/91

GPC Cleanup: (Y/N) N pH: 7.7 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	11	U
319-85-7	beta-BHC	11	U
319-86-8	delta-BHC	11	U
58-89-9	Lindane	11	U
76-44-8	Heptachlor	11	U
309-00-2	Aldrin	11	U
1024-57-3	Heptachlor epoxide	11	U
959-98-8	Endosulfan I	11	U
60-57-1	Dieldrin	22	U
72-55-9	4,4'-DDE	22	U
72-20-8	Endrin	22	U
33213-65-9	Endosulfan II	22	U
72-54-8	4,4'-DDD	22	U
1031-07-8	Endosulfan sulfate	22	U
50-29-3	4,4'-DDT	22	U
72-43-5	Methoxychlor	110	U
53494-70-5	Endrin ketone	22	U
5103-71-9	alpha-Chlordane	110	U
5103-74-2	gamma-Chlordane	110	U
8001-35-2	Toxaphene	220	U
12674-11-2	Aroclor-1016	110	U
11104-28-2	Aroclor-1221	110	U
11141-16-5	Aroclor-1232	110	U
53469-21-9	Aroclor-1242	110	U
12672-29-6	Aroclor-1248	110	U
11097-69-1	Aroclor-1254	220	U
11096-82-5	Aroclor-1260	220	U

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TCCSD20(

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS Case No.: TNK SAS No.: _____ SDG No.: PKG3

Matrix: (soil/water) SOIL Lab Sample ID: P167645

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

Level: (low/med) LOW Date Received: 07/07/91

% Moisture: not dec. 28 dec. __ Date Extracted: 07/11/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/23/91

GPC Cleanup: (Y/N) N pH: 7.7 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	11	U
319-85-7	beta-BHC	11	U
319-86-8	delta-BHC	11	U
58-89-9	Lindane	11	U
76-44-8	Heptachlor	11	U
309-00-2	Aldrin	11	U
1024-57-3	Heptachlor epoxide	11	U
959-98-8	Endosulfan I	11	U
60-57-1	Dieldrin	22	U
72-55-9	4,4'-DDE	22	U
72-20-8	Endrin	22	U
33213-65-9	Endosulfan II	22	U
72-54-8	4,4'-DDD	22	U
1031-07-8	Endosulfan sulfate	22	U
50-29-3	4,4'-DDT	22	U
72-43-5	Methoxychlor	110	U
53494-70-5	Endrin ketone	22	U
5103-71-9	alpha-Chlordane	110	U
5103-74-2	gamma-Chlordane	110	U
8001-35-2	Toxaphene	220	U
12674-11-2	Aroclor-1016	110	U
11104-28-2	Aroclor-1221	110	U
11141-16-5	Aroclor-1232	110	U
53469-21-9	Aroclor-1242	110	U
12672-29-6	Aroclor-1248	110	U
11097-69-1	Aroclor-1254	220	U
11096-82-5	Aroclor-1260	220	U

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TCCSD21E0000

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS Case No.: TNK SAS No.: _____ SDG No.: PKG3

Matrix: (soil/water) SOIL Lab Sample ID: P167646

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

Level: (low/med) LOW Date Received: 07/07/91

% Moisture: not dec. 26 dec. __ Date Extracted: 07/11/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/22/91

GPC Cleanup: (Y/N) N pH: 7.9 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	11	U
319-85-7	beta-BHC	11	U
319-86-8	delta-BHC	11	U
58-89-9	Lindane	11	U
76-44-8	Heptachlor	11	U
309-00-2	Aldrin	11	U
1024-57-3	Heptachlor epoxide	~~11~~	~~U~~ R
959-98-8	Endosulfan I	11	U
60-57-1	Dieldrin	22	U
72-55-9	4,4'-DDE	22	U
72-20-8	Endrin	22	~~U~~ UJ
33213-65-9	Endosulfan II	22	U
72-54-8	4,4'-DDD	22	U
1031-07-8	Endosulfan sulfate	22	~~U~~ UJ
50-29-3	4,4'-DDT	22	U
72-43-5	Methoxychlor	110	U
53494-70-5	Endrin ketone	22	U
5103-71-9	alpha-Chlordane	110	U
5103-74-2	gamma-Chlordane	110	U
8001-35-2	Toxaphene	220	U
12674-11-2	Aroclor-1016	110	U
11104-28-2	Aroclor-1221	110	U
11141-16-5	Aroclor-1232	110	U
53469-21-9	Aroclor-1242	110	U
12672-29-6	Aroclor-1248	110	U
11097-69-1	Aroclor-1254	220	U
11096-82-5	Aroclor-1260	220	U

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TCCSD21E0000

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS Case No.: TNK SAS No.: _____ SDG No.: PKG3

Matrix: (soil/water) SOIL Lab Sample ID: P167646

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

Level: (low/med) LOW Date Received: 07/07/91

% Moisture: not dec. 26 dec. __ Date Extracted: 07/11/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/22/91

GPC Cleanup: (Y/N) N pH: 7.9 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	11	U
319-85-7	beta-BHC	11	U
319-86-8	delta-BHC	11	U
58-89-9	Lindane	11	U
76-44-8	Heptachlor	11	U
309-00-2	Aldrin	11	U
1024-57-3	Heptachlor epoxide	~~11~~	~~U~~ R
959-98-8	Endosulfan I	11	U
60-57-1	Dieldrin	22	U
72-55-9	4,4'-DDE	22	U
72-20-8	Endrin	22	~~U~~ UJ
33213-65-9	Endosulfan II	22	U
72-54-8	4,4'-DDD	22	U
1031-07-8	Endosulfan sulfate	22	~~U~~ UJ
50-29-3	4,4'-DDT	22	U
72-43-5	Methoxychlor	110	U
53494-70-5	Endrin ketone	22	U
5103-71-9	alpha-Chlordane	110	U
5103-74-2	gamma-Chlordane	110	U
8001-35-2	Toxaphene	220	U
12674-11-2	Aroclor-1016	110	U
11104-28-2	Aroclor-1221	110	U
11141-16-5	Aroclor-1232	110	U
53469-21-9	Aroclor-1242	110	U
12672-29-6	Aroclor-1248	110	U
11097-69-1	Aroclor-1254	220	U
11096-82-5	Aroclor-1260	220	U

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E-4

CONTAMINANT INDICATOR COMPOUNDS IN SEDIMENT - JULY 1991

E-4

CONTAMINANT INDICATOR COMPOUNDS IN SEDIMENT - JULY 1991

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CLIENT ORIGINAL

HALLIBURTON NUS
Environmental Laboratories

5350 Campbells Run Road
Pittsburgh, PA 15205
800-228-6870

6751-L Engle Road
Cleveland OH 44130
216-891-4700

August 07, 1991
Report No.: 00001844
Section A Page 6

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

SAMPLE ID: TKC-SD01-E-0000
NUS SAMPLE NO: P0167566
P.O. NO.:

DATE SAMPLED: 04-JUL-91
DATE RECEIVED: 06-JUL-91
APPROVED BY: J Simanic

LN	TEST CODE	DETERMINATION	RESULT		UNITS
1	ACLPS	TAL METALS & CLP DATA PACKAGE	DONE		
3	I026S	Alkalinity, Carbonate (as CaCO3)	0		mg/kg
4	I024S	Alkalinity, Bicarbonate (as CaCO3)	160		mg/kg
5	I130S	Chloride (Cl)	21	J	mg/kg
6	I310S	Fluoride, Total (F)	< 500		mg/kg
8	I540S	Phosphorus, Total (as P)	11	J	mg/kg
9	I490S	pH (in soil)	7.9		
10	ASRS	Strontium, Total (Sr)	DONE		
11	I730S	Sulfate (as SO4)	32		mg/kg
13	OSVIXS	APPENDIX IX SEMIVOLATILES IN SOIL			
		Data Package	DONE		
15	G120SC	PESTICIDES/PCBS + CLP DATA PACKAGE - SOIL			
		Data Package - Pesticides/PCBs	DONE		
18	I265SC	CLP - Cyanide (CN)	0.63 u		mg/kg
19	ABS	Boron, Total (B)	DONE		
20	I023S	Alkalinity, Total (as CaCO3)	160		mg/kg
21	I020S	Alkalinity, Pht (as CaCO3)	0		mg/kg
22	DPACK	CLP Data Package Deliverable	DONE		
23	I390S	Nitrate (as N)	3.5		mg/kg
24	I107S	Carbon, Total Organic (C)	1100	J	mg/kg
25	I800	CLP - percent moisture	21.2		%

COMMENTS:

CLIENT ORIGINAL

HALLIBURTON NUS
Environmental Laboratories

5350 Campbells Run Road
Pittsburgh, PA 15205
800-228-6870

6751-L Engle Road
Cleveland, OH 44130
216-891-4700

August 07, 1991
Report No.: 00001844
Section A Page 6

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

SAMPLE ID: TKC-SD01-E-0000
NUS SAMPLE NO: P0167566
P.O. NO.:

DATE SAMPLED: 04-JUL-91
DATE RECEIVED: 06-JUL-91
APPROVED BY: J Simanic

LN	TEST CODE	DETERMINATION	RESULT		UNITS
1	ACLPS	TAL METALS & CLP DATA PACKAGE	DONE		
3	I026S	Alkalinity, Carbonate (as CaCO3)	0		mg/kg
4	I024S	Alkalinity, Bicarbonate (as CaCO3)	160		mg/kg
5	I130S	Chloride (Cl)	21	J	mg/kg
6	I310S	Fluoride, Total (F)	< 500		mg/kg
8	I540S	Phosphorus, Total (as P)	11	J	mg/kg
9	I490S	pH (in soil)	7.9		
10	ASRS	Strontium, Total (Sr)	DONE		
11	I730S	Sulfate (as SO4)	32		mg/kg
13	OSVIXS	APPENDIX IX SEMIVOLATILES IN SOIL Data Package	DONE		
15	G120SC	PESTICIDES/PCBS + CLP DATA PACKAGE - SOIL Data Package - Pesticides/PCBs	DONE		
18	I265SC	CLP - Cyanide (CN)	0.63 u		mg/kg
19	ABS	Boron, Total (B)	DONE		
20	I023S	Alkalinity, Total (as CaCO3)	160		mg/kg
21	I020S	Alkalinity, Pht (as CaCO3)	0		mg/kg
22	DPACK	CLP Data Package Deliverable	DONE		
23	I390S	Nitrate (as N)	3.5		mg/kg
24	I107S	Carbon, Total Organic (C)	1100	J	mg/kg
25	I800	CLP - percent moisture	21.2		%

COMMENTS:

CLIENT ORIGINAL

HALLIBURTON NUS
Environmental Laboratories

5350 Campbells Run Road
Pittsburgh, PA 15205
800-228-6870

6751-L Engle Road
Cleveland, OH 44130
216-891-4700

August 07, 1991
Report No.: 00001844
Section A Page 9

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

SAMPLE ID: TKC-SD02-E-0000
NUS SAMPLE NO: P0167569
P.O. NO.:

DATE SAMPLED: 04-JUL-91
DATE RECEIVED: 06-JUL-91
APPROVED BY: J Simanic

LN	TEST CODE	DETERMINATION	RESULT	UNITS
1	ACLPS	TAL METALS & CLP DATA PACKAGE	DONE	
3	I026S	Alkalinity, Carbonate (as CaCO3)	0	mg/kg
4	I024S	Alkalinity, Bicarbonate (as CaCO3)	170	mg/kg
9	I490S	pH (in soil)	7.6	
10	I023S	Alkalinity, Total (as CaCO3)	170	mg/kg
11	I020S	Alkalinity, Pht (as CaCO3)	0	mg/kg
12	I107S	Carbon, Total Organic (C)	630 J	mg/kg
13	I315S	Halogens, Total Organic (EOX)	21 J	mg/kg
14	I500S	Phenolics	1.7	mg/kg
15	DPACK	CLP Data Package Deliverable	DONE	
16	I800	CLP - percent moisture	21.9	%

COMMENTS:

CLIENT ORIGINAL

HALLIBURTON NUS
Environmental Laboratories

5350 Campbells Run Road
Pittsburgh, PA 15205
800-228-6870

6751-L Engle Road
Cleveland, OH 44130
216-891-4700

August 07, 1991
Report No.: 00001844
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LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

SAMPLE ID: TKC-SD02-E-0000
NUS SAMPLE NO: P0167569
P.O. NO.:

DATE SAMPLED: 04-JUL-91
DATE RECEIVED: 06-JUL-91
APPROVED BY: J Simanic

LN	TEST CODE	DETERMINATION	RESULT	UNITS
1	ACLPS	TAL METALS & CLP DATA PACKAGE	DONE	
3	I026S	Alkalinity, Carbonate (as CaCO3)	0	mg/kg
4	I024S	Alkalinity, Bicarbonate (as CaCO3)	170	mg/kg
9	I490S	pH (in soil)	7.6	
10	I023S	Alkalinity, Total (as CaCO3)	170	mg/kg
11	I020S	Alkalinity, Phnt (as CaCO3)	0	mg/kg
12	I107S	Carbon, Total Organic (C)	630 J	mg/kg
13	I315S	Halogens, Total Organic (EOX)	21 J	mg/kg
14	I500S	Phenolics	1.7	mg/kg
15	DPACK	CLP Data Package Deliverable	DONE	
16	I800	CLP - percent moisture	21.9	%

COMMENTS:

CLIENT ORIGINAL

HALLIBURTON NUS
Environmental Laboratories

5350 Campbells Run Road
Pittsburgh, PA 15205
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August 07, 1991
Report No.: 00001844
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LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

SAMPLE ID: TKC-SD03-E-0000
NUS SAMPLE NO: P0167567
P.O. NO.:

DATE SAMPLED: 04-JUL-91
DATE RECEIVED: 06-JUL-91
APPROVED BY: J Simanic

LN	TEST CODE	DETERMINATION	RESULT	UNITS
1	ACLPS	TAL METALS & CLP DATA PACKAGE	DONE	
3	I026S	Alkalinity, Carbonate (as CaCO3)	0	mg/kg
4	I024S	Alkalinity, Bicarbonate (as CaCO3)	150	mg/kg
9	I490S	pH (in soil)	8.1	
10	I020S	Alkalinity, Pht (as CaCO3)	0.00	mg/kg
11	I023S	Alkalinity, Total (as CaCO3)	150	mg/kg
12	I107S	Carbon, Total Organic (C)	610 J	mg/kg
13	I315S	Halogens, Total Organic (EOX)	32 J	mg/kg
14	I500S	Phenolics	3	mg/kg
15	DPACK	CLP Data Package Deliverable	DONE	
16	I800	CLP - percent moisture	19.2	%

COMMENTS:

CLIENT ORIGINAL

HALLIBURTON NUS
Environmental Laboratories

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August 07, 1991
Report No.: 00001844
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LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

SAMPLE ID: TKC-SD03-E-0000
NUS SAMPLE NO: P0167567
P.O. NO.:

DATE SAMPLED: 04-JUL-91
DATE RECEIVED: 06-JUL-91
APPROVED BY: J Simanic

LN	TEST CODE	DETERMINATION	RESULT	UNITS
1	ACLPS	TAL METALS & CLP DATA PACKAGE	DONE	
3	I026S	Alkalinity, Carbonate (as CaCO3)	0	mg/kg
4	I024S	Alkalinity, Bicarbonate (as CaCO3)	150	mg/kg
9	I490S	pH (in soil)	8.1	
10	I020S	Alkalinity, Pht (as CaCO3)	0.00	mg/kg
11	I023S	Alkalinity, Total (as CaCO3)	150	mg/kg
12	I107S	Carbon, Total Organic (C)	610 J	mg/kg
13	I315S	Halogens, Total Organic (EOX)	32 J	mg/kg
14	I500S	Phenolics	3	mg/kg
15	DPACK	CLP Data Package Deliverable	DONE	
16	I800	CLP - percent moisture	19.2	%

COMMENTS:

CLIENT ORIGINAL

HALLIBURTON NUS
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August 07, 1991
Report No.: 00001844
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LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

SAMPLE ID: TKC-SD04-E-0000
NUS SAMPLE NO: P0167568
P.O. NO.:

DATE SAMPLED: 04-JUL-91
DATE RECEIVED: 06-JUL-91
APPROVED BY: J Simanic

LN	TEST CODE	DETERMINATION	RESULT	UNITS
1	ACLPS	TAL METALS & CLP DATA PACKAGE	DONE	
3	I026S	Alkalinity, Carbonate (as CaCO3)	0	mg/kg
4	I024S	Alkalinity, Bicarbonate (as CaCO3)	210	mg/kg
9	I490S	pH (in soil)	7.6	
10	I107S	Carbon, Total Organic (C)	2500 J	mg/kg
11	I315S	Halogens, Total Organic (EOX)	< 20 UJ	mg/kg
12	I500S	Phenolics	2.4	mg/kg
13	DPACK	CLP Data Package Deliverable	DONE	
14	I023S	Alkalinity, Total (as CaCO3)	210	mg/kg
15	I020S	Alkalinity, Pht (as CaCO3)	0	mg/kg
16	I800	CLP - percent moisture	24.7	%

COMMENTS:

CLIENT ORIGINAL

HALLIBURTON NUS
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August 07, 1991
Report No.: 00001844
Section A Page 8

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

SAMPLE ID: TKC-SD04-E-0000
NUS SAMPLE NO: P0167568
P.O. NO.:

DATE SAMPLED: 04-JUL-91
DATE RECEIVED: 06-JUL-91
APPROVED BY: J Simanic

LN	TEST CODE	DETERMINATION	RESULT		UNITS
1	ACLPS	TAL METALS & CLP DATA PACKAGE	DONE		
3	I026S	Alkalinity, Carbonate (as CaCO3)	0		mg/kg
4	I024S	Alkalinity, Bicarbonate (as CaCO3)	210		mg/kg
9	I490S	pH (in soil)	7.6		
10	I107S	Carbon, Total Organic (C)	2500	J	mg/kg
11	I315S	Halogens, Total Organic (EOX)	< 20	UJ	mg/kg
12	I500S	Phenolics	2.4		mg/kg
13	DPACK	CLP Data Package Deliverable	DONE		
14	I023S	Alkalinity, Total (as CaCO3)	210		mg/kg
15	I020S	Alkalinity, Pht (as CaCO3)	0		mg/kg
16	I800	CLP - percent moisture	24.7		%

COMMENTS:

CLIENT ORIGINAL

HALLIBURTON NUS
Environmental Laboratories

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TINKER PKG 3

August 07, 1991
Report No.: 00001846
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LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

SAMPLE ID: TKC-SD05-E-0000
NUS SAMPLE NO: P0167637
P.O. NO.:

DATE SAMPLED: 08-JUL-91
DATE RECEIVED: 09-JUL-91
APPROVED BY: J Simanic

LN	TEST CODE	DETERMINATION	RESULT	UNIT
1	ACLPS	TAL METALS & CLP DATA PACKAGE	DONE	
2	I024S	Alkalinity, Bicarbonate (as CaCO3)	130	mg/kg
3	I026S	Alkalinity, Carbonate (as CaCO3)	0	mg/kg
4	I023S	Alkalinity, Total (as CaCO3)	130	mg/kg
5	I020S	Alkalinity, Pht (as CaCO3)	0	mg/kg
6	I490S	pH (in soil)	7.8	
7	I107S	Carbon, Total Organic (C)	1100 J	mg/kg
8	I315S	Halogens, Total Organic (EOX)	< 20 UJ	mg/kg
9	I500S	Phenolics	2.0	mg/kg
10	DPACK	CLP Data Package Deliverable	DONE	
11	I800	CLP - percent moisture	28.2	%

COMMENTS:

CLIENT ORIGINAL

HALLIBURTON NUS
Environmental Laboratories

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216-891-4700

TINKER PKG 3

August 07, 1991
Report No.: 00001846
Section A Page 1

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

SAMPLE ID: TKC-SD05-E-0000
NUS SAMPLE NO: P0167637
P.O. NO.:

DATE SAMPLED: 08-JUL-91
DATE RECEIVED: 09-JUL-91
APPROVED BY: J Simanic

LN	TEST CODE	DETERMINATION	RESULT	UNIT
1	ACLPS	TAL METALS & CLP DATA PACKAGE	DONE	
2	I024S	Alkalinity, Bicarbonate (as CaCO3)	130	mg/kg
3	I026S	Alkalinity, Carbonate (as CaCO3)	0	mg/kg
4	I023S	Alkalinity, Total (as CaCO3)	130	mg/kg
5	I020S	Alkalinity, Pht (as CaCO3)	0	mg/kg
6	I490S	pH (in soil)	7.8	
7	I107S	Carbon, Total Organic (C)	1100 J	mg/kg
8	I315S	Halogens, Total Organic (EOX)	< 20 UJ	mg/kg
9	I500S	Phenolics	2.0	mg/kg
10	DPACK	CLP Data Package Deliverable	DONE	
11	I800	CLP - percent moisture	28.2	%

COMMENTS:

CLIENT ORIGINAL

HALLIBURTON NUS
Environmental Laboratories

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TINKER PKG 2

August 07, 1991
Report No.: 00001844
Section A Page 3

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

SAMPLE ID: TCC-SD06-E-0000
NUS SAMPLE NO: P0167563
P.O. NO.:

DATE SAMPLED: 05-JUL-91
DATE RECEIVED: 06-JUL-91
APPROVED BY: J Simanic

LN	TEST CODE	DETERMINATION	RESULT	UNITS
1	ACLPS	TAL METALS & CLP DATA PACKAGE	DONE	
3	I026S	Alkalinity, Carbonate (as CaCO3)	0	mg/kg
4	I024S	Alkalinity, Bicarbonate (as CaCO3)	230	mg/kg
5	I130S	Chloride (Cl)	34 J	mg/kg
6	I310S	Fluoride, Total (F)	< 600	mg/kg
8	I540S	Phosphorus, Total (as P)	57 J	mg/kg
9	I490S	pH (in soil)	7	
10	ASRS	Strontium, Total (Sr)	DONE	
11	I730S	Sulfate (as SO4)	47	mg/kg
13	OSVIXS	APPENDIX IX SEMIVOLATILES IN SOIL Data Package	DONE	
15	G120SC	PESTICIDES/PCBS + CLP DATA PACKAGE - SOIL Data Package - Pesticides/PCBs	DONE	
18	I265SC	CLP - Cyanide (CN)	0.64 u	mg/kg
19	ABS	Boron, Total (B)	DONE	
20	DPACK	CLP Data Package Deliverable	DONE	
21	I020S	Alkalinity, Pht (as CaCO3)	0	mg/kg
22	I023S	Alkalinity, Total (as CaCO3)	230	mg/kg
23	I390S	Nitrate (as N)	1.6	mg/kg
24	I107S	Carbon, Total Organic (C)	1300 J	mg/kg
25	I800	CLP - percent moisture	22.2	%

COMMENTS:

CLIENT ORIGINAL

HALLIBURTON NUS
Environmental Laboratories

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Pittsburgh, PA 15205
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Cleveland, OH 44130
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TINKER PKG 2

August 07, 1991
Report No.: 00001844
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LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

SAMPLE ID: TCC-SD08-E-0000
NUS SAMPLE NO: P0167563
P.O. NO.:

DATE SAMPLED: 05-JUL-91
DATE RECEIVED: 06-JUL-91
APPROVED BY: J Simanic

LN	TEST CODE	DETERMINATION	RESULT	UNITS
1	ACLPS	TAL METALS & CLP DATA PACKAGE	DONE	
3	I026S	Alkalinity, Carbonate (as CaCO3)	0	mg/kg
4	I024S	Alkalinity, Bicarbonate (as CaCO3)	230	mg/kg
5	I130S	Chloride (Cl)	34 J	mg/
6	I310S	Fluoride, Total (F)	< 600	mg/kg
8	I540S	Phosphorus, Total (as P)	57 J	mg/kg
9	I490S	pH (in soil)	7	
10	ASRS	Strontium, Total (Sr)	DONE	
11	I730S	Sulfate (as SO4)	47	mg/kg
13	OSVIXS	APPENDIX IX SEMIVOLATILES IN SOIL Data Package	DONE	
15	G120SC	PESTICIDES/PCBS + CLP DATA PACKAGE - SOIL Data Package - Pesticides/PCBs	DONE	
18	I265SC	CLP - Cyanide (CN)	0.64 u	mg/kg
19	ABS	Boron, Total (B)	DONE	
20	DPACK	CLP Data Package Deliverable	DONE	
21	I020S	Alkalinity, Pht (as CaCO3)	0	mg/kg
22	I023S	Alkalinity, Total (as CaCO3)	230	mg/kg
23	I390S	Nitrate (as N)	1.6	mg/kg
24	I107S	Carbon, Total Organic (C)	1300 J	mg/kg
25	I800	CLP - percent moisture	22.2	%

COMMENTS:

CLIENT ORIGINAL

HALLIBURTON NUS
Environmental Laboratories

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August 07, 1991
Report No.: 00001844
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LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

SAMPLE ID: TCC-SD06-F-0000
NUS SAMPLE NO: P0167564
P.O. NO.:

DATE SAMPLED: 05-JUL-91
DATE RECEIVED: 06-JUL-91
APPROVED BY: J Simanic

LN	TEST CODE	DETERMINATION	RESULT		UNITS
1	ACLPS	TAL METALS & CLP DATA PACKAGE	DONE		
3	I026S	Alkalinity, Carbonate (as CaCO3)	0		mg/kg
4	I024S	Alkalinity, Bicarbonate (as CaCO3)	260		mg/kg
5	I130S	Chloride (Cl)	27	J	mg/kg
6	I310S	Fluoride, Total (F)	< 600		mg/kg
8	I540S	Phosphorus, Total (as P)	6	J	mg/kg
9	I490S	pH (in soil)	7.6		
10	ASRS	Strontium, Total (Sr)	DONE		
11	I730S	Sulfate (as SO4)	34		mg/kg
13	OSVIXS	APPENDIX IX SEMIVOLATILES IN SOIL			
		Data Package	DONE		
15	G120SC	PESTICIDES/PCBS + CLP DATA PACKAGE - SOIL			
		Data Package - Pesticides/PCBs	DONE		
18	I265SC	CLP - Cyanide (CN)	0.66 u		mg/kg
19	ABS	Boron, Total (B)	DONE		
20	I020S	Alkalinity, Pht (as CaCO3)	0		mg/kg
21	I023S	Alkalinity, Total (as CaCO3)	260		mg/kg
22	DPACK	CLP Data Package Deliverable	DONE		
23	I390S	Nitrate (as N)	< 0.5		mg/kg
24	I107S	Carbon, Total Organic (C)	1600	J	mg/kg
25	I800	CLP - percent moisture	24.4		%

COMMENTS:

CLIENT ORIGINAL

HALLIBURTON NUS
Environmental Laboratories

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August 07, 1991
Report No.: 00001844
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LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

SAMPLE ID: TCC-SD06-F-0000
NUS SAMPLE NO: P0167564
P.O. NO.:

DATE SAMPLED: 05-JUL-91
DATE RECEIVED: 06-JUL-91
APPROVED BY: J Simanic

LN	TEST CODE	DETERMINATION	RESULT		UNITS
1	ACLPS	TAL METALS & CLP DATA PACKAGE	DONE		
3	I026S	Alkalinity, Carbonate (as CaCO3)	0		mg/kg
4	I024S	Alkalinity, Bicarbonate (as CaCO3)	260		mg/kg
5	I130S	Chloride (Cl)	27	J	mg/kg
6	I310S	Fluoride, Total (F)	< 600		mg/kg
8	I540S	Phosphorus, Total (as P)	6	J	mg/kg
9	I490S	pH (in soil)	7.6		
10	ASRS	Strontium, Total (Sr)	DONE		
11	I730S	Sulfate (as SO4)	34		mg/kg
13	OSVIXS	APPENDIX IX SEMIVOLATILES IN SOIL Data Package	DONE		
15	G120SC	PESTICIDES/PCBS + CLP DATA PACKAGE - SOIL Data Package - Pesticides/PCBs	DONE		
18	I265SC	CLP - Cyanide (CN)	0.66 u		mg/kg
19	ABS	Boron, Total (B)	DONE		
20	I020S	Alkalinity, Pht (as CaCO3)	0		mg/kg
21	I023S	Alkalinity, Total (as CaCO3)	260		mg/kg
22	DPACK	CLP Data Package Deliverable	DONE		
23	I390S	Nitrate (as N)	< 0.5		mg/kg
24	I107S	Carbon, Total Organic (C)	1600	J	mg/kg
25	I800	CLP - percent moisture	24.4		%

COMMENTS:

CLIENT ORIGINAL

HALLIBURTON NUS
Environmental Laboratories

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August 07, 1991
Report No.: 00001845
Section A Page 3

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

SAMPLE ID: TCC-SD07-E-0000
NUS SAMPLE NO: P0167581
P.O. NO.:

DATE SAMPLED: 05-JUL-91
DATE RECEIVED: 08-JUL-91
APPROVED BY: J Simanic

LN	TEST CODE	DETERMINATION	RESULT	UNITS
1	ACLPS	TAL METALS & CLP DATA PACKAGE	DONE	
3	I026S	Alkalinity, Carbonate (as CaCO3)	0	mg/kg
4	I024S	Alkalinity, Bicarbonate (as CaCO3)	150	mg/kg
9	I490S	pH (in soil)	7.7	
10	I020S	Alkalinity, Pht (as CaCO3)	0	mg/kg
11	I023S	Alkalinity, Total (as CaCO3)	150	mg/kg
12	I107S	Carbon, Total Organic (C)	2300 J	mg/kg
13	I315S	Halogens, Total Organic (EOX)	< 20 UJ	mg/kg
14	I500S	Phenolics	2.9	mg/kg
15	DPACK	CLP Data Package Deliverable	DONE	
16	I800	CLP - percent moisture	29.3	%

COMMENTS:

CLIENT ORIGINAL

HALLIBURTON NUS
Environmental Laboratories

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August 07, 1991
Report No.: 00001845
Section A Page 3

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

SAMPLE ID: TCC-SD07-E-0000
NUS SAMPLE NO: P0167581
P.O. NO.:

DATE SAMPLED: 05-JUL-91
DATE RECEIVED: 08-JUL-91
APPROVED BY: J Simanic

LN	TEST CODE	DETERMINATION	RESULT	UNITS
1	ACLPS	TAL METALS & CLP DATA PACKAGE	DONE	
3	I026S	Alkalinity, Carbonate (as CaCO3)	0	mg/kg
4	I024S	Alkalinity, Bicarbonate (as CaCO3)	150	mg/kg
9	I490S	pH (in soil)	7.7	
10	I020S	Alkalinity, Pht (as CaCO3)	0	mg/kg
11	I023S	Alkalinity, Total (as CaCO3)	150	mg/kg
12	I107S	Carbon, Total Organic (C)	2300 J	mg/kg
13	I315S	Halogens, Total Organic (EOX)	< 20 UJ	mg/kg
14	I500S	Phenolics	2.9	mg/kg
15	DPACK	CLP Data Package Deliverable	DONE	
16	I800	CLP - percent moisture	29.3	%

COMMENTS:

CLIENT ORIGINAL

HALLIBURTON NUS
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August 07, 1991
Report No.: 00001845
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LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

SAMPLE ID: TCC-SD07-F-0000
NUS SAMPLE NO: P0167582
P.O. NO.:

DATE SAMPLED: 05-JUL-91
DATE RECEIVED: 08-JUL-91
APPROVED BY: J Simanic

LN	TEST CODE	DETERMINATION	RESULT	UNITS
1	ACLPS	TAL METALS & CLP DATA PACKAGE	DONE	
3	I026S	Alkalinity, Carbonate (as CaCO3)	0	mg/kg
4	I024S	Alkalinity, Bicarbonate (as CaCO3)	200	mg/kg
9	I490S	pH (in soil)	7.7	
10	I020S	Alkalinity, Pht (as CaCO3)	0	mg/kg
11	I023S	Alkalinity, Total (as CaCO3)	200	mg/kg
12	I107S	Carbon, Total Organic (C)	1300 J	mg/kg
13	I315S	Halogens, Total Organic (EOX)	< 20 UJ	mg/kg
14	I500S	Phenolics	3.2	mg/kg
15	DPACK	CLP Data Package Deliverable	DONE	
16	I800	CLP - percent moisture	24.0	%

COMMENTS:

CLIENT ORIGINAL

HALLIBURTON NUS
Environmental Laboratories

5350 Campbells Run Road
Pittsburgh, PA 15205
800-228-6870

6751-L Engle Road
Cleveland, OH 44130
216-891-4700

August 07, 1991
Report No.: 00001845
Section A Page 4

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

SAMPLE ID: TCC-SD07-F-0000
NUS SAMPLE NO: P0167582
P.O. NO.:

DATE SAMPLED: 05-JUL-91
DATE RECEIVED: 08-JUL-91
APPROVED BY: J Simanic

LN	TEST CODE	DETERMINATION	RESULT	UNITS
1	ACLPS	TAL METALS & CLP DATA PACKAGE	DONE	
3	I028S	Alkalinity, Carbonate (as CaCO3)	0	mg/kg
4	I024S	Alkalinity, Bicarbonate (as CaCO3)	200	mg/kg
9	I490S	pH (in soil)	7.7	
10	I020S	Alkalinity, Pht (as CaCO3)	0	mg/kg
11	I023S	Alkalinity, Total (as CaCO3)	200	mg/kg
12	I107S	Carbon, Total Organic (C)	1300 J	mg/kg
13	I315S	Halogens, Total Organic (EOX)	< 20 UJ	mg/kg
14	I500S	Phenolics	3.2	mg/kg
15	DPACK	CLP Data Package Deliverable	DONE	
16	I800	CLP - percent moisture	24.0	%

COMMENTS:

CLIENT ORIGINAL

HALLIBURTON NUS
Environmental Laboratories

5350 Campbells Run Road
Pittsburgh, PA 15205
800-228-6870

6751-L Engle Road
Cleveland, OH 44130
216-891-4700

August 07, 1991
Report No.: 00001845
Section A Page 5

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

SAMPLE ID: TCC-SD08-E-0000
NUS SAMPLE NO: P0167583
P.O. NO.:

DATE SAMPLED: 06-JUL-91
DATE RECEIVED: 08-JUL-91
APPROVED BY: J Simanic

LN	TEST CODE	DETERMINATION	RESULT	UNITS
1	ACLPS	TAL METALS & CLP DATA PACKAGE	DONE	
3	I026S	Alkalinity, Carbonate (as CaCO3)	0	mg/kg
4	I024S	Alkalinity, Bicarbonate (as CaCO3)	240	mg/kg
9	I490S	pH (in soil)	7.7	
10	I020S	Alkalinity, Pht (as CaCO3)	0	mg/kg
11	I023S	Alkalinity, Total (as CaCO3)	240	mg/kg
12	I107S	Carbon, Total Organic (C)	1300 J	mg/kg
13	I315S	Halogens, Total Organic (EOX)	< 20 UJ	mg/kg
14	I500S	Phenolics	3.2	mg/kg
15	DPACK	CLP Data Package Deliverable	DONE	
16	I800	CLP - percent moisture	22.3	%

COMMENTS:

CLIENT ORIGINAL

HALLIBURTON NUS
Environmental Laboratories

5350 Campbells Run Road
Pittsburgh, PA 15205
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August 07, 1991
Report No.: 00001845
Section A Page 5

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

SAMPLE ID: TCC-SD08-E-0000
NUS SAMPLE NO: P0167583
P.O. NO.:

DATE SAMPLED: 06-JUL-91
DATE RECEIVED: 08-JUL-91
APPROVED BY: J Simanic

LN	TEST CODE	DETERMINATION	RESULT	UNITS
1	ACLPS	TAL METALS & CLP DATA PACKAGE	DONE	
3	I026S	Alkalinity, Carbonate (as CaCO3)	0	mg/kg
4	I024S	Alkalinity, Bicarbonate (as CaCO3)	240	mg/kg
9	I490S	pH (in soil)	7.7	
10	I020S	Alkalinity, Pht (as CaCO3)	0	mg/kg
11	I023S	Alkalinity, Total (as CaCO3)	240	mg/kg
12	I107S	Carbon, Total Organic (C)	1300 J	mg/kg
13	I315S	Halogens, Total Organic (EOX)	< 20 UJ	mg/kg
14	I500S	Phenolics	3.2	mg/kg
15	DPACK	CLP Data Package Deliverable	DONE	
16	I800	CLP - percent moisture	22.3	%

COMMENTS:

CLIENT ORIGINAL

HALLIBURTON NUS
Environmental Laboratories

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Pittsburgh, PA 15205
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August 07, 1991
Report No.: 00001845
Section A Page 6

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

SAMPLE ID: TCC-SD09-E-0000
NUS SAMPLE NO: P0167584
P.O. NO.:

DATE SAMPLED: 06-JUL-91
DATE RECEIVED: 08-JUL-91
APPROVED BY: J Simanic

LN	TEST CODE	DETERMINATION	RESULT	UNITS
1	ACLPS	TAL METALS & CLP DATA PACKAGE	DONE	
3	I026S	Alkalinity, Carbonate (as CaCO3)	0	mg/kg
4	I024S	Alkalinity, Bicarbonate (as CaCO3)	210	mg/kg
9	I490S	pH (in soil)	7.9	
10	I020S	Alkalinity, Pht (as CaCO3)	0	mg/kg
11	I023S	Alkalinity, Total (as CaCO3)	210	mg/kg
12	I107S	Carbon, Total Organic (C)	1100 J	mg/kg
13	I315S	Halogens, Total Organic (EOX)	< 20 UJ	mg/kg
14	I500S	Phenolics	3.8	mg/kg
15	DPACK	CLP Data Package Deliverable	DONE	
16	I800	CLP - percent moisture	22.0	%

COMMENTS:

CLIENT ORIGINAL

HALLIBURTON NUS
Environmental Laboratories

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Pittsburgh, PA 15205
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August 07, 1991
Report No.: 00001845
Section A Page 6

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

SAMPLE ID: TCC-SD09-E-0000
NUS SAMPLE NO: P0167584
P.O. NO.:

DATE SAMPLED: 08-JUL-91
DATE RECEIVED: 08-JUL-91
APPROVED BY: J Simanic

LN	TEST CODE	DETERMINATION	RESULT	UNITS
1	ACLPS	TAL METALS & CLP DATA PACKAGE	DONE	
3	I026S	Alkalinity, Carbonate (as CaCO3)	0	mg/kg
4	I024S	Alkalinity, Bicarbonate (as CaCO3)	210	mg/kg
9	I490S	pH (in soil)	7.9	
10	I020S	Alkalinity, Pht (as CaCO3)	0	mg/kg
11	I023S	Alkalinity, Total (as CaCO3)	210	mg/kg
12	I107S	Carbon, Total Organic (C)	1100 J	mg/kg
13	I315S	Halogens, Total Organic (EOX)	< 20 UJ	mg/kg
14	I500S	Phenolics	3.8	mg/kg
15	DPACK	CLP Data Package Deliverable	DONE	
16	I800	CLP - percent moisture	22.0	%

COMMENTS:

CLIENT ORIGINAL

HALLIBURTON NUS
Environmental Laboratories

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August 07, 1991
Report No.: 00001845
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LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

SAMPLE ID: TCC-SD10-E-0000
NUS SAMPLE NO: P0167585
P.O. NO.:

DATE SAMPLED: 08-JUL-91
DATE RECEIVED: 08-JUL-91
APPROVED BY: J Simanic

LN	TEST CODE	DETERMINATION	RESULT	UNITS
1	ACLPS	TAL METALS & CLP DATA PACKAGE	DONE	
3	I026S	Alkalinity, Carbonate (as CaCO3)	0	mg/kg
4	I024S	Alkalinity, Bicarbonate (as CaCO3)	180	mg/kg
9	I490S	pH (in soil)	7.9	
10	I107S	Carbon, Total Organic (C)	2700 J	mg/kg
11	I315S	Halogens, Total Organic (EOX)	< 20 UJ	mg/kg
12	I500S	Phenolics	4.0	mg/kg
13	DPACK	CLP Data Package Deliverable	DONE	
14	I020S	Alkalinity, Pht (as CaCO3)	0	mg/kg
15	I023S	Alkalinity, Total (as CaCO3)	180	mg/kg
16	I800	CLP - percent moisture	20.8	%

COMMENTS:

CLIENT ORIGINAL

HALLIBURTON NUS
Environmental Laboratories

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August 07, 1991
Report No.: 00001845
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LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

SAMPLE ID: TCC-SD10-E-0000
NUS SAMPLE NO: P0167585
P.O. NO.:

DATE SAMPLED: 06-JUL-91
DATE RECEIVED: 08-JUL-91
APPROVED BY: J Simanic

LN	TEST CODE	DETERMINATION	RESULT	UNITS
1	ACLPS	TAL METALS & CLP DATA PACKAGE	DONE	
3	I026S	Alkalinity, Carbonate (as CaCO3)	0	mg/kg
4	I024S	Alkalinity, Bicarbonate (as CaCO3)	180	mg/kg
9	I490S	pH (in soil)	7.9	
10	I107S	Carbon, Total Organic (C)	2700 J	mg/kg
11	I315S	Halogens, Total Organic (EOX)	< 20 UJ	mg/kg
12	I500S	Phenolics	4.0	mg/kg
13	DPACK	CLP Data Package Deliverable	DONE	
14	I020S	Alkalinity, Pht (as CaCO3)	0	mg/kg
15	I023S	Alkalinity, Total (as CaCO3)	180	mg/kg
16	I800	CLP - percent moisture	20.8	%

COMMENTS:

CLIENT ORIGINAL

HALLIBURTON NUS
Environmental Laboratories

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Pittsburgh, PA 15205
800-228-6870

6751-L Engle Road
Cleveland, OH 44130
216-891-4700

August 07, 1991
Report No.: 00001846
Section A Page 2

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

USBJCC
SAMPLE ID: TKC-SD11-E-0000
NUS SAMPLE NO: P0167638
P.O. NO.:

DATE SAMPLED: 07-JUL-91
DATE RECEIVED: 09-JUL-91
APPROVED BY: J Simanic

LN	TEST CODE	DETERMINATION	RESULT	UNITS
1	ACLPS	TAL METALS & CLP DATA PACKAGE	DONE	
3	I026S	Alkalinity, Carbonate (as CaCO3)	< 10	mg/kg
4	I024S	Alkalinity, Bicarbonate (as CaCO3)	220	mg/kg
5	I130S	Chloride (Cl)	23 J	mg/kg
6	I310S	Fluoride, Total (F)	< 400	mg/kg
7	I390S	Nitrate (as N)	< 0.5	mg/kg
8	I540S	Phosphorus, Total (as P)	21 J	mg/kg
9	I490S	pH (in soil)	7.8	
10	ASRS	Strontium, Total (Sr)	DONE	
11	I730S	Sulfate (as SO4)	30	mg/kg
12	I107S	Carbon, Total Organic (C)	1400 J	mg/kg
13	OSVIXS	APPENDIX IX SEMIVOLATILES IN SOIL Data Package	DONE	
15	G120SC	PESTICIDES/PCBS + CLP DATA PACKAGE - SOIL Data Package - Pesticides/PCBs	DONE	
18	I265SC	CLP - Cyanide (CN)	0.64 u	mg/kg
20	DPACK	CLP Data Package Deliverable	DONE	
21	I020S	Alkalinity, Pht (as CaCO3)	< 5	mg/kg
22	I023S	Alkalinity, Total (as CaCO3)	220	mg/kg
23	ABS	Boron, Total (B)	DONE	
24	I800	CLP - percent moisture	19.7	%

COMMENTS:

CLIENT ORIGINAL

HALLIBURTON NUS
Environmental Laboratories

5350 Campbells Run Road
Pittsburgh, PA 15205
800-228-6870

6751-L Engle Road
Cleveland, OH 44130
216-891-4700

August 07, 1991
Report No.: 00001846
Section A Page 2

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

USBTCC
SAMPLE ID: TKC-SD11-E-0000
NUS SAMPLE NO: P0167638
P.O. NO.:

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

DATE SAMPLED: 07-JUL-91
DATE RECEIVED: 09-JUL-91
APPROVED BY: J Simanic

LN	TEST CODE	DETERMINATION	RESULT	UNITS
1	ACLPS	TAL METALS & CLP DATA PACKAGE	DONE	
3	I026S	Alkalinity, Carbonate (as CaCO3)	< 10	mg/kg
4	I024S	Alkalinity, Bicarbonate (as CaCO3)	220	mg/kg
5	I130S	Chloride (Cl)	23 J	mg/kg
6	I310S	Fluoride, Total (F)	< 400	mg/kg
7	I390S	Nitrate (as N)	< 0.5	mg/kg
8	I540S	Phosphorus, Total (as P)	21 J	mg/kg
9	I490S	pH (in soil)	7.8	
10	ASRS	Strontium, Total (Sr)	DONE	
11	I730S	Sulfate (as SO4)	30	mg/kg
12	I107S	Carbon, Total Organic (C)	1400 J	mg/kg
13	OSVIXS	APPENDIX IX SEMIVOLATILES IN SOIL Data Package	DONE	
15	G120SC	PESTICIDES/PCBS + CLP DATA PACKAGE - SOIL Data Package - Pesticides/PCBs	DONE	
18	I265SC	CLP - Cyanide (CN)	0.64 u	mg/kg
20	DPACK	CLP Data Package Deliverable	DONE	
21	I020S	Alkalinity, Pht (as CaCO3)	< 5	mg/kg
22	I023S	Alkalinity, Total (as CaCO3)	220	mg/kg
23	ABS	Boron, Total (B)	DONE	
24	I800	CLP - percent moisture	19.7	%

COMMENTS:

CLIENT ORIGINAL

HALLIBURTON NUS
Environmental Laboratories

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Pittsburgh, PA 15205
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August 07, 1991
Report No.: 00001846
Section A Page 3

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

SAMPLE ID: TCC-SD12-E-0000
NUS SAMPLE NO: P0167839
P.O. NO.:

DATE SAMPLED: 07-JUL-91
DATE RECEIVED: 09-JUL-91
APPROVED BY: J Simanic

LN	TEST CODE	DETERMINATION	RESULT	UNITS
1	ACLPS	TAL METALS & CLP DATA PACKAGE	DONE	
2	I024S	Alkalinity, Bicarbonate (as CaCO3)	190	mg/kg
3	I026S	Alkalinity, Carbonate (as CaCO3)	0	mg/kg
4	I023S	Alkalinity, Total (as CaCO3)	190	mg/kg
5	I020S	Alkalinity, Pht (as CaCO3)	0	mg/kg
6	I490S	pH (in soil)	8.0	
7	I107S	Carbon, Total Organic (C)	1300 J	mg/kg
8	I315S	Halogens, Total Organic (EOX)	< 20 UJ	mg/kg
9	I500S	Phenolics	2.1	mg/kg
10	DPACK	CLP Data Package Deliverable	DONE	
11	I800	CLP - percent moisture	25.2	%

COMMENTS:

CLIENT ORIGINAL

HALLIBURTON NUS
Environmental Laboratories

5350 Campbells Run Road
Pittsburgh, PA 15205
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August 07, 1991
Report No.: 00001846
Section A Page 3

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT ID: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

SAMPLE ID: TCC-SD12-E-0000
NUS SAMPLE NO: P0167639
P.O. NO.:

DATE SAMPLED: 07-JUL-91
DATE RECEIVED: 09-JUL-91
APPROVED BY: J Simanic

LN	TEST CODE	DETERMINATION	RESULT	UNITS
1	ACLPS	TAL METALS & CLP DATA PACKAGE	DONE	
2	I024S	Alkalinity, Bicarbonate (as CaCO3)	190	mg/kg
3	I026S	Alkalinity, Carbonate (as CaCO3)	0	mg/kg
4	I023S	Alkalinity, Total (as CaCO3)	190	mg/kg
5	I020S	Alkalinity, Pht (as CaCO3)	0	mg/kg
6	I490S	pH (in soil)	8.0	
7	I107S	Carbon, Total Organic (C)	1300 J	mg/kg
8	I315S	Halogens, Total Organic (EOX)	< 20 UJ	mg/kg
9	I500S	Phenolics	2.1	mg/kg
10	DPACK	CLP Data Package Deliverable	DONE	
11	I800	CLP - percent moisture	25.2	%

COMMENTS:

CLIENT ORIGINAL

HALLIBURTON NUS
Environmental Laboratories

5350 Campbells Run Road
Pittsburgh, PA 15205
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Cleveland, OH 44130
216-891-4700

August 07, 1991
Report No.: 00001845
Section A Page 8

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

SAMPLE ID: TCC-SD13-E-0000
NUS SAMPLE NO: P0167586
P.O. NO.:

DATE SAMPLED: 06-JUL-91
DATE RECEIVED: 08-JUL-91
APPROVED BY: J Simanic

LN	TEST CODE	DETERMINATION	RESULT	UNITS
1	ACLPS	TAL METALS & CLP DATA PACKAGE	DONE	
3	I026S	Alkalinity, Carbonate (as CaCO3)	0	mg/kg
4	I024S	Alkalinity, Bicarbonate (as CaCO3)	300	mg/kg
9	I490S	pH (in soil)	7.9	
10	I020S	Alkalinity, Pht (as CaCO3)	0	mg/kg
11	I023S	Alkalinity, Total (as CaCO3)	300	mg/kg
12	I315S	Halogens, Total Organic (EOX)	< 20 UJ	mg/kg
13	I107S	Carbon, Total Organic (C)	3700 J	mg/kg
14	I500S	Phenolics	4.9	mg/kg
15	DPACK	CLP Data Package Deliverable	DONE	
16	I800	CLP - percent moisture	19.6	%

COMMENTS:

CLIENT ORIGINAL

HALLIBURTON NUS
Environmental Laboratories

5350 Campbells Run Road
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Cleveland, OH 44130
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August 07, 1991
Report No.: 00001845
Section A Page 8

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

SAMPLE ID: TCC-SD13-E-0000
NUS SAMPLE NO: P0167586
P.O. NO.:

DATE SAMPLED: 06-JUL-91
DATE RECEIVED: 08-JUL-91
APPROVED BY: J Simanic

LN	TEST CODE	DETERMINATION	RESULT	UNITS
1	ACLPS	TAL METALS & CLP DATA PACKAGE	DONE	
3	I026S	Alkalinity, Carbonate (as CaCO3)	0	mg/kg
4	I024S	Alkalinity, Bicarbonate (as CaCO3)	300	mg/kg
9	I490S	pH (in soil)	7.9	
10	I020S	Alkalinity, Pht (as CaCO3)	0	mg/kg
11	I023S	Alkalinity, Total (as CaCO3)	300	mg/kg
12	I315S	Halogens, Total Organic (EOX)	< 20 UJ	mg/kg
13	I107S	Carbon, Total Organic (C)	3700 J	mg/kg
14	I500S	Phenolics	4.9	mg/kg
15	DPACK	CLP Data Package Deliverable	DONE	
16	I800	CLP - percent moisture	19.6	%

COMMENTS:

CLIENT ORIGINAL

HALLIBURTON NUS
Environmental Laboratories

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Cleveland, OH 44130
216-891-4700

August 07, 1991
Report No.: 00001845
Section A Page 9

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

SAMPLE ID: TCC-SD14-E-0000
NUS SAMPLE NO: P0167587
P.O. NO.:

DATE SAMPLED: 06-JUL-91
DATE RECEIVED: 08-JUL-91
APPROVED BY: J Simanic

LN	TEST CODE	DETERMINATION	RESULT	UNITS
1	ACLPS	TAL METALS & CLP DATA PACKAGE	DONE	
3	I026S	Alkalinity, Carbonate (as CaCO3)	0	mg/kg
4	I024S	Alkalinity, Bicarbonate (as CaCO3)	140	mg/kg
9	I490S	pH (in soil)	7.9	
10	I020S	Alkalinity, Pht (as CaCO3)	0	mg/kg
11	I023S	Alkalinity, Total (as CaCO3)	140	mg/kg
12	I107S	Carbon, Total Organic (C)	720 J	mg/kg
13	I315S	Halogens, Total Organic (EOX)	< 20 UJ	mg/kg
14	I500S	Phenolics	2.5	mg/kg
15	DPACK	CLP Data Package Deliverable	DONE	
16	I800	CLP - percent moisture	19.3	%

COMMENTS:

CLIENT ORIGINAL

HALLIBURTON NUS
Environmental Laboratories

5350 Campbells Run Road
Pittsburgh, PA 15205
800-228-6870

6751-L Engle Road
Cleveland, OH 44130
216-891-4700

August 07, 1991
Report No.: 00001845
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LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

SAMPLE ID: TCC-SD14-E-0000
NUS SAMPLE NO: P0167587
P.O. NO.:

DATE SAMPLED: 06-JUL-91
DATE RECEIVED: 08-JUL-91
APPROVED BY: J Simanic

LN	TEST CODE	DETERMINATION	RESULT	UNITS
1	ACLPS	TAL METALS & CLP DATA PACKAGE	DONE	
3	I026S	Alkalinity, Carbonate (as CaCO3)	0	mg/kg
4	I024S	Alkalinity, Bicarbonate (as CaCO3)	140	mg/kg
9	I490S	pH (in soil)	7.9	
10	I020S	Alkalinity, Pht (as CaCO3)	0	mg/kg
11	I023S	Alkalinity, Total (as CaCO3)	140	mg/kg
12	I107S	Carbon, Total Organic (C)	720 J	mg/kg
13	I315S	Halogens, Total Organic (EOX)	< 20 UJ	mg/kg
14	I500S	Phenolics	2.5	mg/kg
15	DPACK	CLP Data Package Deliverable	DONE	
16	I800	CLP - percent moisture	19.3	%

COMMENTS:

CLIENT ORIGINAL

HALLIBURTON NUS
Environmental Laboratories

5350 Campbells Run Road
Pittsburgh, PA 15205
800-228-6870

6751-L Engle Road
Cleveland, OH 44130
216-891-4700

August 07, 1991
Report No.: 00001846
Section A Page 4

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

SAMPLE ID: TCC-SD15-E-0000
NUS SAMPLE NO: P0167640
P.O. NO.:

DATE SAMPLED: 07-JUL-91
DATE RECEIVED: 09-JUL-91
APPROVED BY: J Simanic

LN	TEST CODE	DETERMINATION	RESULT	UNITS
1	ACLPS	TAL METALS & CLP DATA PACKAGE	DONE	
2	I024S	Alkalinity, Bicarbonate (as CaCO3)	290	mg/kg
3	I026S	Alkalinity, Carbonate (as CaCO3)	0	mg/kg
4	I023S	Alkalinity, Total (as CaCO3)	290	mg/kg
5	I020S	Alkalinity, Pht (as CaCO3)	0	mg/kg
6	I490S	pH (in soil)	7.8	
7	I107S	Carbon, Total Organic (C)	1000 J	mg/kg
8	I315S	Halogens, Total Organic (EOX)	< 20 UJ	mg/kg
9	I500S	Phenolics	3.3	mg/kg
10	DPACK	CLP Data Package Deliverable	DONE	
11	I800	CLP - percent moisture	23.2	%

COMMENTS:

CLIENT ORIGINAL

HALLIBURTON NUS
Environmental Laboratories

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August 07, 1991
Report No.: 00001846
Section A Page 4

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

SAMPLE ID: TCC-SD15-E-0000
NUS SAMPLE NO: P0167640
P.O. NO.:

DATE SAMPLED: 07-JUL-91
DATE RECEIVED: 09-JUL-91
APPROVED BY: J Simanic

LN	TEST CODE	DETERMINATION	RESULT	UNITS
1	ACLPS	TAL METALS & CLP DATA PACKAGE	DONE	
2	I024S	Alkalinity, Bicarbonate (as CaCO3)	290	mg/kg
3	I026S	Alkalinity, Carbonate (as CaCO3)	0	mg/kg
4	I023S	Alkalinity, Total (as CaCO3)	290	mg/kg
5	I020S	Alkalinity, Pht (as CaCO3)	0	mg/kg
6	I490S	pH (in soil)	7.8	
7	I107S	Carbon, Total Organic (C)	1000 J	mg/kg
8	I315S	Halogens, Total Organic (EOX)	< 20 UJ	mg/kg
9	I500S	Phenolics	3.3	mg/kg
10	DPACK	CLP Data Package Deliverable	DONE	
11	I800	CLP - percent moisture	23.2	%

COMMENTS:

CLIENT ORIGINAL

HALLIBURTON NUS
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August 07, 1991
Report No.: 00001846
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LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

SAMPLE ID: TCC-SD16-E-0000
NUS SAMPLE NO: P0167641
P.O. NO.:

DATE SAMPLED: 07-JUL-91
DATE RECEIVED: 09-JUL-91
APPROVED BY: J Simanic

LN	TEST CODE	DETERMINATION	RESULT		UNITS
1	ACLPS	TAL METALS & CLP DATA PACKAGE	DONE		
3	I026S	Alkalinity, Carbonate (as CaCO3)	0		mg/kg
4	I024S	Alkalinity, Bicarbonate (as CaCO3)	260		mg/kg
5	I130S	Chloride (Cl)	26	J	mg/k
6	I310S	Fluoride, Total (F)	< 600		mg/kg
7	I390S	Nitrate (as N)	< 0.5		mg/kg
8	I540S	Phosphorus, Total (as P)	6	J	mg/kg
9	I490S	pH (in soil)	7.8		
10	ASRS	Strontium, Total (Sr)	DONE		
11	I730S	Sulfate (as SO4)	26		mg/kg
12	I107S	Carbon, Total Organic (C)	480	J	mg/kg
13	OSVIXS	APPENDIX IX SEMIVOLATILES IN SOIL			
		Data Package	DONE		
15	G120SC	PESTICIDES/PCBS + CLP DATA PACKAGE - SOIL			
		Data Package - Pesticides/PCBs	DONE		
18	I265SC	CLP - Cyanide (CN)	0.65 u		mg/kg
20	DPACK	CLP Data Package Deliverable	DONE		
21	I020S	Alkalinity, Pht (as CaCO3)	0		mg/kg
22	I023S	Alkalinity, Total (as CaCO3)	260		mg/kg
23	ABS	Boron, Total (B)	DONE		
24	R03S	Gross Alpha and Beta Screen			
		Gross Alpha Screen	4.0 +/-2.8		pCi/g
		Gross Beta Screen	16 +/- 4		pCi/g
25	I800	CLP - percent moisture	24.3		%

COMMENTS:

CLIENT ORIGINAL

HALLIBURTON NUS
Environmental Laboratories

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August 07, 1991
Report No.: 00001846
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LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

SAMPLE ID: TCC-SD16-E-0000
NUS SAMPLE NO: P0167641
P.O. NO.:

DATE SAMPLED: 07-JUL-91
DATE RECEIVED: 09-JUL-91
APPROVED BY: J Simanic

LN	TEST CODE	DETERMINATION	RESULT	UNITS
1	ACLPS	TAL METALS & CLP DATA PACKAGE	DONE	
3	I026S	Alkalinity, Carbonate (as CaCO3)	0	mg/kg
4	I024S	Alkalinity, Bicarbonate (as CaCO3)	260	mg/kg
5	I130S	Chloride (Cl)	26 J	mg/k
6	I310S	Fluoride, Total (F)	< 600	mg/kg
7	I390S	Nitrate (as N)	< 0.5	mg/kg
8	I540S	Phosphorus, Total (as P)	6 J	mg/kg
9	I490S	pH (in soil)	7.8	
10	ASRS	Strontium, Total (Sr)	DONE	
11	I730S	Sulfate (as SO4)	26	mg/kg
12	I107S	Carbon, Total Organic (C)	480 J	mg/kg
13	OSVIXS	APPENDIX IX SEMIVOLATILES IN SOIL		
		Data Package	DONE	
15	G120SC	PESTICIDES/PCBS + CLP DATA PACKAGE - SOIL		
		Data Package - Pesticides/PCBs	DONE	
18	I265SC	CLP - Cyanide (CN)	0.65 u	mg/kg
20	DPACK	CLP Data Package Deliverable	DONE	
21	I020S	Alkalinity, Pht (as CaCO3)	0	mg/kg
22	I023S	Alkalinity, Total (as CaCO3)	260	mg/kg
23	ABS	Boron, Total (B)	DONE	
24	R03S	Gross Alpha and Beta Screen		
		Gross Alpha Screen	4.0 +/-2.8	pCi/g
		Gross Beta Screen	16 +/- 4	pCi/g
25	I800	CLP - percent moisture	24.3	%

COMMENTS:

CLIENT ORIGINAL

HALLIBURTON NUS
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August 07, 1991
Report No.: 00001846
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LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

SAMPLE ID: TCC-SD17-E-0000
NUS SAMPLE NO: P0167642
P.O. NO.:

DATE SAMPLED: 07-JUL-91
DATE RECEIVED: 09-JUL-91
APPROVED BY: J Simanic

LN	TEST CODE	DETERMINATION	RESULT	UNITS
1	ACLPS	TAL METALS & CLP DATA PACKAGE	DONE	
2	I024S	Alkalinity, Bicarbonate (as CaCO3)	250	mg/kg
3	I026S	Alkalinity, Carbonate (as CaCO3)	0	mg/kg
4	I023S	Alkalinity, Total (as CaCO3)	250	mg/kg
5	I020S	Alkalinity, Pht (as CaCO3)	0	mg/kg
6	I490S	pH (in soil)	7.9	
7	I107S	Carbon, Total Organic (C)	1400 J	mg/kg
8	I315S	Halogens, Total Organic (EOX)	< 20 UJ	mg/kg
9	I500S	Phenolics	< 1.1	mg/kg
10	DPACK	CLP Data Package Deliverable	DONE	
11	I800	CLP - percent moisture	27.2	%

COMMENTS:

CLIENT ORIGINAL

HALLIBURTON NUS
Environmental Laboratories

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Pittsburgh, PA 15205
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August 07, 1991
Report No.: 00001846
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LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

SAMPLE ID: TCC-SD17-E-0000
NUS SAMPLE NO: P0167642
P.O. NO.:

DATE SAMPLED: 07-JUL-91
DATE RECEIVED: 09-JUL-91
APPROVED BY: J Simanic

LN	TEST CODE	DETERMINATION	RESULT	UNITS
1	ACLPS	TAL METALS & CLP DATA PACKAGE	DONE	
2	I024S	Alkalinity, Bicarbonate (as CaCO3)	250	mg/kg
3	I026S	Alkalinity, Carbonate (as CaCO3)	0	mg/kg
4	I023S	Alkalinity, Total (as CaCO3)	250	mg/kg
5	I020S	Alkalinity, Pht (as CaCO3)	0	mg/kg
6	I490S	pH (in soil)	7.9	
7	I107S	Carbon, Total Organic (C)	1400 J	mg/kg
8	I315S	Halogens, Total Organic (EOX)	< 20 UJ	mg/kg
9	I500S	Phenolics	< 1.1	mg/kg
10	DPACK	CLP Data Package Deliverable	DONE	
11	I800	CLP - percent moisture	27.2	%

COMMENTS:

CLIENT ORIGINAL

HALLIBURTON NUS
Environmental Laboratories

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August 07, 1991
Report No.: 00001846
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LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

SAMPLE ID: TCC-SD18-E-0000
NUS SAMPLE NO: P0167843
P.O. NO.:

DATE SAMPLED: 07-JUL-91
DATE RECEIVED: 09-JUL-91
APPROVED BY: J Simanic

LN	TEST CODE	DETERMINATION	RESULT	UNITS
1	ACLPS	TAL METALS & CLP DATA PACKAGE	DONE	
2	I024S	Alkalinity, Bicarbonate (as CaCO3)	260	mg/kg
3	I026S	Alkalinity, Carbonate (as CaCO3)	0	mg/kg
4	I023S	Alkalinity, Total (as CaCO3)	260	mg/k
5	I020S	Alkalinity, Pht (as CaCO3)	0	mg/kg
6	I490S	pH (in soil)	8.0	
7	I107S	Carbon, Total Organic (C)	1100 J	mg/kg
8	I315S	Halogens, Total Organic (EOX)	< 20 UJ	mg/kg
9	I500S	Phenolics	2.1	mg/kg
10	DPACK	CLP Data Package Deliverable	DONE	
11	I800	CLP - percent moisture	24.8	%

COMMENTS:

CLIENT ORIGINAL

HALLIBURTON NUS
Environmental Laboratories

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Cleveland, OH 44130
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August 07, 1991
Report No.: 00001846
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LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

SAMPLE ID: TCC-SD18-E-0000
NUS SAMPLE NO: P0167643
P.O. NO.:

DATE SAMPLED: 07-JUL-91
DATE RECEIVED: 09-JUL-91
APPROVED BY: J Simanic

LN	TEST CODE	DETERMINATION	RESULT	UNITS
1	ACLPS	TAL METALS & CLP DATA PACKAGE	DONE	
2	I024S	Alkalinity, Bicarbonate (as CaCO3)	260	mg/kg
3	I026S	Alkalinity, Carbonate (as CaCO3)	0	mg/kg
4	I023S	Alkalinity, Total (as CaCO3)	260	mg/k
5	I020S	Alkalinity, Pht (as CaCO3)	0	mg/kg
6	I490S	pH (in soil)	8.0	
7	I107S	Carbon, Total Organic (C)	1100 J	mg/kg
8	I315S	Halogens, Total Organic (EOX)	< 20 UJ	mg/kg
9	I500S	Phenolics	2.1	mg/kg
10	DPACK	CLP Data Package Deliv- able	DONE	
11	I800	CLP - percent moisture	24.8	%

COMMENTS:

CLIENT ORIGINAL

HALLIBURTON NUS
Environmental Laboratories

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August 07, 1991
Report No.: 00001846
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LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

SAMPLE ID: TCC-SD19-E-0000
NUS SAMPLE NO: P0167644
P.O. NO.:

DATE SAMPLED: 08-JUL-91
DATE RECEIVED: 09-JUL-91
APPROVED BY: J Simanic

LN	TEST CODE	DETERMINATION	RESULT	UNITS
1	ACLPS	TAL METALS & CLP DATA PACKAGE	DONE	
2	I024S	Alkalinity, Bicarbonate (as CaCO3)	190	mg/kg
3	I026S	Alkalinity, Carbonate (as CaCO3)	0	mg/kg
4	I023S	Alkalinity, Total (as CaCO3)	190	mg/kg
5	I020S	Alkalinity, Pht (as CaCO3)	0	mg/kg
6	I490S	pH (in soil)	7.7	
7	I107S	Carbon, Total Organic (C)	1900 J	mg/kg
8	I315S	Halogens, Total Organic (EOX)	< 20 UJ	mg/kg
9	I500S	Phenolics	1.1	mg/kg
10	DPACK	CLP Data Package Deliverable	DONE	
11	I800	CLP - percent moisture	23.7	%

COMMENTS:

CLIENT ORIGINAL

HALLIBURTON NUS
Environmental Laboratories

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August 07, 1991
Report No.: 00001846
Section A Page 8

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

SAMPLE ID: TCC-SD19-E-0000
NUS SAMPLE NO: P0167644
P.O. NO.:

DATE SAMPLED: 08-JUL-91
DATE RECEIVED: 09-JUL-91
APPROVED BY: J Simanic

LN	TEST CODE	DETERMINATION	RESULT	UNITS
1	ACLPS	TAL METALS & CLP DATA PACKAGE	DONE	
2	I024S	Alkalinity, Bicarbonate (as CaCO3)	190	mg/kg
3	I026S	Alkalinity, Carbonate (as CaCO3)	0	mg/kg
4	I023S	Alkalinity, Total (as CaCO3)	190	mg/kg
5	I020S	Alkalinity, Pht (as CaCO3)	0	mg/kg
6	I490S	pH (in soil)	7.7	
7	I107S	Carbon, Total Organic (C)	1900 J	mg/kg
8	I315S	Halogens, Total Organic (EOX)	< 20 UJ	mg/kg
9	I500S	Phenolics	1.1	mg/kg
10	DPACK	CLP Data Package Deliverable	DONE	
11	I800	CLP - percent moisture	23.7	%

COMMENTS:

CLIENT ORIGINAL

HALLIBURTON NUS
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August 07, 1991
Report No.: 00001846
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LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

SAMPLE ID: TCC-SD20-E-0000
NUS SAMPLE NO: P0167645
P.O. NO.:

DATE SAMPLED: 07-JUL-91
DATE RECEIVED: 09-JUL-91
APPROVED BY: J Simanic

LN	TEST CODE	DETERMINATION	RESULT	UNITS
1	ACLPS	TAL METALS & CLP DATA PACKAGE	DONE	
2	I024S	Alkalinity, Bicarbonate (as CaCO3)	300	mg/kg
3	I026S	Alkalinity, Carbonate (as CaCO3)	0	mg/kg
4	I023S	Alkalinity, Total (as CaCO3)	300	mg/k
5	I020S	Alkalinity, Pht (as CaCO3)	0	mg/kg
6	I490S	pH (in soil)	7.7	
10	DPACK	CLP Data Package Deliverable	DONE	
11	G120SC	PESTICIDES/PCBS + CLP DATA PACKAGE - SOIL Data Package - Pesticides/PCBs	DONE	
12	I800	CLP - percent moisture	28.4	%
13	ABS	Boron, Total (B)	DONE	
14	I130S	Chloride (Cl)	38 J	mg/kg
15	I310S	Fluoride, Total (F)	< 600	mg/kg
16	I390S	Nitrate (as N)	< 0.5	mg/kg
17	I540S	Phosphorus, Total (as P)	52 * J	mg/kg
18	ASRS	Strontium, Total (Sr)	DONE	
19	I730S	Sulfate (as SO4)	30	mg/kg
20	OSVIXS	APPENDIX IX SEMIVOLATILES IN SOIL Data Package	DONE	

COMMENTS: This sample was analyzed as a matrix spike. Recovery of the spike was outside established acceptance limits indicating the presence of a possible matrix interference.*
This result is the mean of three results since sample results could not be duplicated. Matrix interference is suspected.*

CLIENT ORIGINAL

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August 07, 1991
Report No.: 00001846
Section A Page 9

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

SAMPLE ID: TCC-SD20-E-0000
NUS SAMPLE NO: P0167645
P.O. NO.:

DATE SAMPLED: 07-JUL-91
DATE RECEIVED: 09-JUL-91
APPROVED BY: J Simanic

LN	TEST CODE	DETERMINATION	RESULT	UNITS
1	ACLPS	TAL METALS & CLP DATA PACKAGE	DONE	
2	I024S	Alkalinity, Bicarbonate (as CaCO3)	300	mg/kg
3	I026S	Alkalinity, Carbonate (as CaCO3)	0	mg/kg
4	I023S	Alkalinity, Total (as CaCO3)	300	mg/k
5	I020S	Alkalinity, Pht (as CaCO3)	0	mg/kg
6	I490S	pH (in soil)	7.7	
10	DPACK	CLP Data Package Deliverable	DONE	
11	G120SC	PESTICIDES/PCBS + CLP DATA PACKAGE - SOIL		
		Data Package - Pesticides/PCBs	DONE	
12	I800	CLP - percent moisture	28.4	%
13	ABS	Boron, Total (B)	DONE	
14	I130S	Chloride (Cl)	38 J	mg/kg
15	I310S	Fluoride, Total (F)	< 600	mg/kg
16	I390S	Nitrate (as N)	< 0.5	mg/kg
17	I540S	Phosphorus, Total (as P)	52 * J	mg/kg
18	ASRS	Strontium, Total (Sr)	DONE	
19	I730S	Sulfate (as SO4)	30	mg/kg
20	OSVIXS	APPENDIX IX SEMIVOLATILES IN SOIL		
		Data Package	DONE	

COMMENTS: This sample was analyzed as a matrix spike. Recovery of the spike was outside established acceptance limits indicating the presence of a possible matrix interference.*
This result is the mean of three results since sample results could not be duplicated. Matrix interference is suspected.*

CLIENT ORIGINAL

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216-891-4700

August 07, 1991
Report No.: 00001846
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LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

SAMPLE ID: TCC-SD21-E-0000
NUS SAMPLE NO: P0167646
P.O. NO.:

DATE SAMPLED: 07-JUL-91
DATE RECEIVED: 09-JUL-91
APPROVED BY: J Simanic

LN	TEST CODE	DETERMINATION	RESULT	UNITS
1	ACLPS	TAL METALS & CLP DATA PACKAGE	DONE	
3	I026S	Alkalinity, Carbonate (as CaCO3)	0	mg/kg
4	I024S	Alkalinity, Bicarbonate (as CaCO3)	300	mg/kg
12	I107S	Carbon, Total Organic (C)	1200 J	mg/kg
15	G120SC	PESTICIDES/PCBS + CLP DATA PACKAGE - SOIL		
		Data Package - Pesticides/PCBs	DONE	
20	DPACK	CLP Data Package Deliverable	DONE	
21	I020S	Alkalinity, Pht (as CaCO3)	0	mg/kg
22	I023S	Alkalinity, Total (as CaCO3)	300	mg/kg
24	I800	CLP - percent moisture	26.3	%
25	I490S	pH (in soil)	7.9	
26	I315S	Halogens, Total Organic (EOX)	< 20 UJ	mg/kg
27	I500S	Phenolics	1.2	mg/kg

COMMENTS:

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August 07, 1991
Report No.: 00001846
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LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

SAMPLE ID: TCC-SD21-E-0000
NUS SAMPLE NO: P0167646
P.O. NO.:

DATE SAMPLED: 07-JUL-91
DATE RECEIVED: 09-JUL-91
APPROVED BY: J Simanic

LN	TEST CODE	DETERMINATION	RESULT	UNITS
1	ACLPS	TAL METALS & CLP DATA PACKAGE	DONE	
3	I026S	Alkalinity, Carbonate (as CaCO3)	0	mg/kg
4	I024S	Alkalinity, Bicarbonate (as CaCO3)	300	mg/kg
12	I107S	Carbon, Total Organic (C)	1200 J	mg/kg
15	G120SC	PESTICIDES/PCBS + CLP DATA PACKAGE - SOIL		
		Data Package - Pesticides/PCBs	DONE	
20	DPACK	CLP Data Package Deliverable	DONE	
21	I020S	Alkalinity, Pht (as CaCO3)	0	mg/kg
22	I023S	Alkalinity, Total (as CaCO3)	300	mg/kg
24	I800	CLP - percent moisture	26.3	%
25	I490S	pH (in soil)	7.9	
26	I315S	Halogens, Total Organic (EOX)	< 20 UJ	mg/kg
27	I500S	Phenolics	1.2	mg/kg

COMMENTS:

CLIENT ORIGINAL

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August 07, 1991
Report No.: 00001844
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LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

SAMPLE ID: TEC-SD22-E-0000
NUS SAMPLE NO: P0167565
P.O. NO.:

DATE SAMPLED: 04-JUL-91
DATE RECEIVED: 06-JUL-91
APPROVED BY: J Simanic

LN	TEST CODE	DETERMINATION	RESULT	UNITS
1	ACLPS	TAL METALS & CLP DATA PACKAGE	DONE	
3	I026S	Alkalinity, Carbonate (as CaCO3)	0	mg/kg
4	I024S	Alkalinity, Bicarbonate (as CaCO3)	210	mg/kg
5	I130S	Chloride (Cl)	21 J	mg/l
6	I310S	Fluoride, Total (F)	< 600	mg/kg
8	I540S	Phosphorus, Total (as P)	36 J	mg/kg
9	I490S	pH (in soil)	7.9	
10	ASRS	Strontium, Total (Sr)	DONE	
11	I730S	Sulfate (as SO4)	44	mg/kg
18	I265SC	CLP - Cyanide (CN)	0.70 u	mg/kg
19	ABS	Boron, Total (B)	DONE	
20	I020S	Alkalinity, Pht (as CaCO3)	0	mg/kg
21	I023S	Alkalinity, Total (as CaCO3)	210	mg/kg
22	DPACK	CLP Data Package Deliverable	DONE	
23	I390S	Nitrate (as N)	1.8 **	mg/kg
24	I107S	Carbon, Total Organic (C)	2100 J	mg/kg
25	I800	CLP - percent moisture	28.3	%

COMMENTS: ** Average of two results reported because of poor duplication.

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August 07, 1991
Report No.: 00001844
Section A Page 5

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

SAMPLE ID: TEC-SD22-E-0000
NUS SAMPLE NO: P0167565
P.O. NO.:

DATE SAMPLED: 04-JUL-91
DATE RECEIVED: 06-JUL-91
APPROVED BY: J Simanic

LN	TEST CODE	DETERMINATION	RESULT	UNITS
1	ACLPS	TAL METALS & CLP DATA PACKAGE	DONE	
3	I026S	Alkalinity, Carbonate (as CaCO3)	0	mg/kg
4	I024S	Alkalinity, Bicarbonate (as CaCO3)	210	mg/kg
5	I130S	Chloride (Cl)	21 J	mg/l
6	I310S	Fluoride, Total (F)	< 600	mg/kg
8	I540S	Phosphorus, Total (as P)	36 J	mg/kg
9	I490S	pH (in soil)	7.9	
10	ASRS	Strontium, Total (Sr)	DONE	
11	I730S	Sulfate (as SO4)	44	mg/kg
18	I265SC	CLP - Cyanide (CN)	0.70 u	mg/kg
19	ABS	Boron, Total (B)	DONE	
20	I020S	Alkalinity, Pht (as CaCO3)	0	mg/kg
21	I023S	Alkalinity, Total (as CaCO3)	210	mg/kg
22	DPACK	CLP Data Package Deliverable	DONE	
23	I390S	Nitrate (as N)	1.8 **	mg/kg
24	I107S	Carbon, Total Organic (C)	2100 J	mg/kg
25	I800	CLP - percent moisture	28.3	%

COMMENTS: ** Average of two results reported because of poor duplication.

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August 07, 1991
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LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

SAMPLE ID: TEC-SD23-E-0000
NUS SAMPLE NO: P0167570
P.O. NO.:

DATE SAMPLED: 04-JUL-91
DATE RECEIVED: 06-JUL-91
APPROVED BY: J Simanic

LN	TEST CODE	DETERMINATION	RESULT	UNITS
1	ACLPS	TAL METALS & CLP DATA PACKAGE	DONE	
3	I026S	Alkalinity, Carbonate (as CaCO3)	0	mg/kg
4	I024S	Alkalinity, Bicarbonate (as CaCO3)	280	mg/kg
9	I490S	pH (in soil)	8.0	
10	I023S	Alkalinity, Total (as CaCO3)	280	mg/kg
11	I020S	Alkalinity, Pht (as CaCO3)	0	mg/kg
12	I107S	Carbon, Total Organic (C)	6400 J	mg/kg
13	I315S	Halogens, Total Organic (EOX)	< 20 UJ	mg/kg
14	I500S	Phenolics	2.0	mg/kg
15	DPACK	CLP Data Package Deliverable	DONE	
16	I800	CLP - percent moisture	28.5	%

COMMENTS:

CLIENT ORIGINAL

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LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

SAMPLE ID: TEC-SD23-E-0000
NUS SAMPLE NO: P0167570
P.O. NO.:

DATE SAMPLED: 04-JUL-91
DATE RECEIVED: 06-JUL-91
APPROVED BY: J Simanic

LN	TEST CODE	DETERMINATION	RESULT	UNITS
1	ACLPS	TAL METALS & CLP DATA PACKAGE	DONE	
3	I026S	Alkalinity, Carbonate (as CaCO3)	0	mg/kg
4	I024S	Alkalinity, Bicarbonate (as CaCO3)	280	mg/kg
9	I490S	pH (in soil)	8.0	
10	I023S	Alkalinity, Total (as CaCO3)	280	mg/kg
11	I020S	Alkalinity, Pht (as CaCO3)	0	mg/kg
12	I107S	Carbon, Total Organic (C)	6400 J	mg/kg
13	I315S	Halogens, Total Organic (EOX)	< 20 UJ	mg/kg
14	I500S	Phenolics	2.0	mg/kg
15	DPACK	CLP Data Package Deliverable	DONE	
16	I800	CLP - percent moisture	26.5	%

COMMENTS:

CLIENT ORIGINAL

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LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

SAMPLE ID: TEC-SD24-E-0000
NUS SAMPLE NO: P0167571
P.O. NO.:

DATE SAMPLED: 04-JUL-91
DATE RECEIVED: 06-JUL-91
APPROVED BY: J Simanic

LN	TEST CODE	DETERMINATION	RESULT	UNITS
1	ACLPS	TAL METALS & CLP DATA PACKAGE	DONE	
3	I026S	Alkalinity, Carbonate (as CaCO3)	0	mg/kg
4	I024S	Alkalinity, Bicarbonate (as CaCO3)	180	mg/kg
9	I490S	pH (in soil)	7.9	
10	I020S	Alkalinity, Pht (as CaCO3)	0	mg/kg
11	I023S	Alkalinity, Total (as CaCO3)	180	mg/kg
12	I107S	Carbon, Total Organic (C)	1900 J	mg/kg
13	I315S	Halogens, Total Organic (EOX)	< 20 UJ	mg/kg
14	I500S	Phenolics	5.0	mg/kg
15	DPACK	CLP Data Package Deliverable	DONE	
16	I800	CLP - percent moisture	27.1	%

COMMENTS:

CLIENT ORIGINAL

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August 07, 1991
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LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

SAMPLE ID: TEC-SD24-E-0000
NUS SAMPLE NO: P0167571
P.O. NO.:

DATE SAMPLED: 04-JUL-91
DATE RECEIVED: 06-JUL-91
APPROVED BY: J Simanic

LN	TEST CODE	DETERMINATION	RESULT	UNITS
1	ACLPS	TAL METALS & CLP DATA PACKAGE	DONE	
3	I026S	Alkalinity, Carbonate (as CaCO3)	0	mg/kg
4	I024S	Alkalinity, Bicarbonate (as CaCO3)	180	mg/kg
9	I490S	pH (in soil)	7.9	
10	I020S	Alkalinity, Pht (as CaCO3)	0	mg/kg
11	I023S	Alkalinity, Total (as CaCO3)	180	mg/kg
12	I107S	Carbon, Total Organic (C)	1900 J	mg/kg
13	I315S	Halogens, Total Organic (EOX)	< 20 UJ	mg/kg
14	I500S	Phenolics	5.0	mg/kg
15	DPACK	CLP Data Package Deliverable	DONE	
16	I800	CLP - percent moisture	27.1	%

COMMENTS:

CLIENT ORIGINAL

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August 07, 1991
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LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

SAMPLE ID: TCC-SD25-E-0000
NUS SAMPLE NO: P0167647
P.O. NO.:

DATE SAMPLED: 07-JUL-91
DATE RECEIVED: 09-JUL-91
APPROVED BY: J Simanic

LN	TEST CODE	DETERMINATION	RESULT	UNITS
1	ACLPS	TAL METALS & CLP DATA PACKAGE	DONE	
2	I024S	Alkalinity, Bicarbonate (as CaCO3)	260	mg/kg
3	I026S	Alkalinity, Carbonate (as CaCO3)	0	mg/kg
4	I023S	Alkalinity, Total (as CaCO3)	260	mg/kg
5	I020S	Alkalinity, Phnt (as CaCO3)	0	mg/kg
6	I490S	pH (in soil)	8.0	
7	I107S	Carbon, Total Organic (C)	1900 J	mg/kg
8	I315S	Halogens, Total Organic (EOX)	< 20 UJ	mg/kg
9	I500S	Phenolics	2.0	mg/kg
10	DPACK	CLP Data Package Deliverable	DONE	
11	R03S	Gross Alpha and Beta Screen		
		Gross Alpha Screen	9.2 +/-3.7	pCi/g
		Gross Beta Screen	7.7 +/-3.8	pCi/g
12	I800	CLP - percent moisture	22.8	%

COMMENTS:

CLIENT ORIGINAL

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Report No.: 00001846
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LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

SAMPLE ID: TCC-SD25-E-0000
NUS SAMPLE NO: P0167647
P.O. NO.:

DATE SAMPLED: 07-JUL-91
DATE RECEIVED: 09-JUL-91
APPROVED BY: J Simanic

LN	TEST CODE	DETERMINATION	RESULT	UNITS
1	ACLPS	TAL METALS & CLP DATA PACKAGE	DONE	
2	I024S	Alkalinity, Bicarbonate (as CaCO3)	260	mg/kg
3	I026S	Alkalinity, Carbonate (as CaCO3)	0	mg/kg
4	I023S	Alkalinity, Total (as CaCO3)	260	mg/kg
5	I020S	Alkalinity, Pht (as CaCO3)	0	mg/kg
6	I490S	pH (in soil)	8.0	
7	I107S	Carbon, Total Organic (C)	1900 J	mg/kg
8	I315S	Halogens, Total Organic (EOX)	< 20 UJ	mg/kg
9	I500S	Phenolics	2.0	mg/kg
10	DPACK	CLP Data Package Deliverable	DONE	
11	R03S	Gross Alpha and Beta Screen		
		Gross Alpha Screen	9.2 +/-3.7	pCi/g
		Gross Beta Screen	7.7 +/-3.8	pCi/g
12	I800	CLP - percent moisture	22.8	%

COMMENTS:

CLIENT ORIGINAL

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LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

SAMPLE ID: TCC-SD25-F-0000
NUS SAMPLE NO: P0167648
P.O. NO.:

DATE SAMPLED: 07-JUL-91
DATE RECEIVED: 09-JUL-91
APPROVED BY: J Simanic

LN	TEST CODE	DETERMINATION	RESULT	UNITS
1	ACLPS	TAL METALS & CLP DATA PACKAGE	DONE	
2	I024S	Alkalinity, Bicarbonate (as CaCO3)	260	mg/kg
3	I026S	Alkalinity, Carbonate (as CaCO3)	0	mg/kg
4	I023S	Alkalinity, Total (as CaCO3)	260	mg/kg
5	I020S	Alkalinity, Pht (as CaCO3)	0	mg/kg
6	I490S	pH (in soil)	8.0	
7	I107S	Carbon, Total Organic (C)	2000 J	mg/kg
8	I315S	Halogens, Total Organic (EOX)	< 20 UJ	mg/kg
9	I500S	Phenolics	15	mg/kg
10	DPACK	CLP Data Package Deliverable	DONE	
11	R03S	Gross Alpha and Beta Screen		
		Gross Alpha Screen	5.1 +/-3.0	pCi/g
		Gross Beta Screen	9.0 +/-3.8	pCi/g
12	I800	CLP - percent moisture	22.8	%

COMMENTS:

CLIENT ORIGINAL

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LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

SAMPLE ID: TCC-SD25-F-0000
NUS SAMPLE NO: P0167648
P.O. NO.:

DATE SAMPLED: 07-JUL-91
DATE RECEIVED: 09-JUL-91
APPROVED BY: J Simanic

LN	TEST CODE	DETERMINATION	RESULT	UNITS
1	ACLPS	TAL METALS & CLP DATA PACKAGE	DONE	
2	I024S	Alkalinity, Bicarbonate (as CaCO3)	260	mg/kg
3	I026S	Alkalinity, Carbonate (as CaCO3)	0	mg/kg
4	I023S	Alkalinity, Total (as CaCO3)	260	mg/kg
5	I020S	Alkalinity, Pht (as CaCO3)	0	mg/kg
6	I490S	pH (in soil)	8.0	
7	I107S	Carbon, Total Organic (C)	2000 J	mg/kg
8	I315S	Halogens, Total Organic (EOX)	< 20 UJ	mg/kg
9	I500S	Phenolics	15	mg/kg
10	DPACK	CLP Data Package Deliverable	DONE	
11	R03S	Gross Alpha and Beta Screen		
		Gross Alpha Screen	5.1 +/-3.0	pCi/g
		Gross Beta Screen	9.0 +/-3.8	pCi/g
12	I800	CLP - percent moisture	22.8	%

COMMENTS:

CLIENT ORIGINAL

HALLIBURTON NUS
Environmental Laboratories

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August 07, 1991
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LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

SAMPLE ID: TCC-SD26-E-0000
NUS SAMPLE NO: P0167649
P.O. NO.:

DATE SAMPLED: 07-JUL-91
DATE RECEIVED: 09-JUL-91
APPROVED BY: J Simanic

LN	TEST CODE	DETERMINATION	RESULT	UNITS
1	ACLPS	TAL METALS & CLP DATA PACKAGE	DONE	
2	I024S	Alkalinity, Bicarbonate (as CaCO3)	300	mg/kg
3	I026S	Alkalinity, Carbonate (as CaCO3)	0	mg/kg
4	I023S	Alkalinity, Total (as CaCO3)	300	mg/kg
5	I020S	Alkalinity, Pht (as CaCO3)	0	mg/kg
6	I490S	pH (in soil)	7.9	
7	I107S	Carbon, Total Organic (C)	1500 J	mg/kg
8	I315S	Halogens, Total Organic (EOX)	< 20 UJ	mg/kg
9	I500S	Phenolics	1.5	mg/kg
10	DPACK	CLP Data Package Deliverable	DONE	
11	I800	CLP - percent moisture	30.0	%

COMMENTS:

CLIENT ORIGINAL

HALLIBURTON NUS
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August 07, 1991
Report No.: 00001846
Section A Page 13

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

SAMPLE ID: TCC-SD26-E-0000
NUS SAMPLE NO: P0167649
P.O. NO.:

DATE SAMPLED: 07-JUL-91
DATE RECEIVED: 09-JUL-91
APPROVED BY: J Simanic

LN	TEST CODE	DETERMINATION	RESULT	UNITS
1	ACLPS	TAL METALS & CLP DATA PACKAGE	DONE	
2	I024S	Alkalinity, Bicarbonate (as CaCO3)	300	mg/kg
3	I026S	Alkalinity, Carbonate (as CaCO3)	0	mg/kg
4	I023S	Alkalinity, Total (as CaCO3)	300	mg/kg
5	I020S	Alkalinity, Pht (as CaCO3)	0	mg/kg
6	I490S	pH (in soil)	7.9	
7	I107S	Carbon, Total Organic (C)	1500 J	mg/kg
8	I315S	Halogens, Total Organic (EOX)	< 20 UJ	mg/kg
9	I500S	Phenolics	1.5	mg/kg
10	DPACK	CLP Data Package Deliverable	DONE	
11	I800	CLP - percent moisture	30.0	%

COMMENTS:

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INORGANICS IN SURFACE WATER - JULY 1991

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INORGANICS IN SURFACE WATER - JULY 1991

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

TKCSW1

Lab Name: NUS Laboratory Contract: TINKER AFB

Lab Code: Case No.: TNK SAS No.: SDG No.: PP61

Matrix (soil/water): WATER Lab Sample ID: H174361

Level (low/med): LOW Date Received: 07/06/91

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	6.0	U		P
7440-38-2	Arsenic	2.4	~~BRW~~	J	P
7440-39-3	Barium	449	~~E~~	J	P
7440-41-7	Beryllium	1.7	~~B~~	U	P
7440-43-9	Cadmium	3.0	U		P
7440-70-2	Calcium	38400			P
7440-47-3	Chromium	8.0	~~B~~	U	P
7440-48-4	Cobalt	11.1	~~B~~		P
7440-50-8	Copper	10.0	U		P
7439-89-6	Iron				NR
7439-92-1	Lead	4.4	~~E~~	J	P
7439-95-4	Magnesium	13900	~~E~~		P
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	32.1	~~B~~	U	P
7440-09-7	Potassium				NR
7782-49-2	Selenium	1.0	U		P
7440-22-4	Silver	5.0	~~BRW~~	UJ	P
7440-23-5	Sodium	20400			P
7440-28-0	Thallium	2.0	U		P
7440-62-2	Vanadium	9.0	~~B~~	UJ	P
7440-66-6	Zinc	28.9		U	P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
CLIENT ID: TKC-SW01-W-0001

U.S. EPA - CLP

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

TKCSW1

Lab Name: NUS Laboratory Contract: TINKER AFB

Lab Code: Case No.: TNK SAS No.: SDG No.: PR61

Matrix (soil/water): WATER Lab Sample ID: H174361

Level (low/med): LOW Date Received: 07/06/91

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	6.0	U		P
7440-38-2	Arsenic	2.4	~~B~~	J	P
7440-39-3	Barium	449	~~B~~	J	P
7440-41-7	Beryllium	1.7	~~B~~	U	P
7440-43-9	Cadmium	3.0	U		P
7440-70-2	Calcium	38400			P
7440-47-3	Chromium	8.0	~~B~~	U	P
7440-48-4	Cobalt	11.1	~~B~~		P
7440-50-8	Copper	10.0	U		P
7439-89-6	Iron				NR
7439-92-1	Lead	4.4	~~B~~	J	P
7439-95-4	Magnesium	13900	~~B~~		P
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	32.1	~~B~~	U	P
7440-09-7	Potassium				NR
7782-49-2	Selenium	1.0	U		P
7440-22-4	Silver	5.0	~~U~~	UJ	P
7440-23-5	Sodium	20400			P
7440-28-0	Thallium	2.0	U		P
7440-62-2	Vanadium	9.0	~~B~~	UJ	P
7440-66-6	Zinc	28.9		U	P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
CLIENT ID: TKC-SW01-W-0001

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

TKCSW1W

Lab Name: NUS CORPORATION Contract: _____

Lab Code: NUS Case No.: TNK SAS No.: _____ SDG No.: PKG1

Matrix (soil/water): WATER Lab Sample ID: P167561

Level (low/med): _____ Date Received: 07/04/91

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
--------	Cyanide	10.0	U		C

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

TKCSW1W

Lab Name: NUS CORPORATION Contract: _____

Lab Code: NUS Case No.: TNK SAS No.: _____ SDG No.: PKG1

Matrix (soil/water): WATER Lab Sample ID: P167561

Level (low/med): _____ Date Received: 07/04/91

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
--------	Cyanide	10.0	U		C

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

TKCSW2

Lab Name: NUS Laboratory Contract: TINKER AFB

Lab Code: Case No.: TNK SAS No.: SDG No.: PHG1

Matrix (soil/water): WATER Lab Sample ID: H174367

Level (low/med): LOW Date Received: 07/06/91

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	6.0	U		P
7440-38-2	Arsenic	2.2	~~E~~		P
7440-39-3	Barium	448	~~E~~	J	P
7440-41-7	Beryllium	1.9	~~E~~	U	P
7440-43-9	Cadmium	3.0	U		P
7440-70-2	Calcium	33300			P
7440-47-3	Chromium	5.8	~~E~~	U	P
7440-48-4	Cobalt	9.9	~~E~~		P
7440-50-8	Copper	10.0	U		P
7439-89-6	Iron				NR
7439-92-1	Lead	5.9	~~E~~	J	P
7439-95-4	Magnesium	10200	~~E~~		P
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	16.0	U		P
7440-09-7	Potassium				NR
7782-49-2	Selenium	1.0	U		P
7440-22-4	Silver	5.0	~~E~~	UJ	P
7440-23-5	Sodium	9230			P
7440-28-0	Thallium	2.0	U		P
7440-62-2	Vanadium	9.0	~~E~~	UJ	P
7440-66-6	Zinc	21.8		U	P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

CLIENT ID: TKC-SW02-W-0001

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

TKCSW2

Lab Name: NUS Laboratory Contract: TINKER AFB

Lab Code: Case No.: TNK SAS No.: SDG No.: PNG1

Matrix (soil/water): WATER Lab Sample ID: H174367

Level (low/med): LOW Date Received: 07/06/91

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	6.0	U		P
7440-38-2	Arsenic	2.2	~~U~~		P
7440-39-3	Barium	448		~~E~~ J	P
7440-41-7	Beryllium	1.9	~~U~~	U	P
7440-43-9	Cadmium	3.0	U		P
7440-70-2	Calcium	33300			P
7440-47-3	Chromium	5.8	~~U~~	U	P
7440-48-4	Cobalt	9.9	~~U~~		P
7440-50-8	Copper	10.0	U		P
7439-89-6	Iron				NR
7439-92-1	Lead	5.9		~~E~~ J	P
7439-95-4	Magnesium	10200		~~E~~	P
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	16.0	U		P
7440-09-7	Potassium				NR
7782-49-2	Selenium	1.0	U		P
7440-22-4	Silver	5.0	~~U~~	~~U~~ UJ	P
7440-23-5	Sodium	9230			P
7440-28-0	Thallium	2.0	U		P
7440-62-2	Vanadium	9.0	~~U~~	~~U~~ UJ	P
7440-66-6	Zinc	21.8		~~U~~ U	P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
CLIENT ID: TKC-SW02-W-0001

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

TKCSW3

Lab Name: NUS Laboratory Contract: TINKER AFB

Lab Code: Case No.: TNK SAS No.: SDG No.: PR61

Matrix (soil/water): WATER Lab Sample ID: H174362

Level (low/med): LOW Date Received: 07/06/91

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	6.0	U		P
7440-38-2	Arsenic	2.0	U		P
7440-39-3	Barium	369	E	J	P
7440-41-7	Beryllium	1.9	B	U	P
7440-43-9	Cadmium	3.0	U		P
7440-70-2	Calcium	36800			P
7440-47-3	Chromium	5.4	B	U	P
7440-48-4	Cobalt	9.0	U		P
7440-50-8	Copper	10.0	U		P
7439-89-6	Iron				NR
7439-92-1	Lead	7.5	E	J	P
7439-95-4	Magnesium	25100	E		P
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	28.4	B	U	P
7440-09-7	Potassium				NR
7782-49-2	Selenium	1.0	U		P
7440-22-4	Silver	5.0	E	UJ	P
7440-23-5	Sodium	57300			P
7440-28-0	Thallium	2.0	U		P
7440-62-2	Vanadium	9.0	B	UJ	P
7440-66-6	Zinc	17.1	B	U	P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
CLIENT ID: TKC-SW03-W-0001

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

TKCSW3

Lab Name: NUS Laboratory Contract: TINKER AFB

Lab Code: Case No.: TNK SAS No.: SDG No.: PR61

Matrix (soil/water): WATER Lab Sample ID: H174361

Level (low/med): LOW Date Received: 07/06/91

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	6.0	U		P
7440-38-2	Arsenic	2.0	U		P
7440-39-3	Barium	369	E	J	P
7440-41-7	Beryllium	1.9	E	U	P
7440-43-9	Cadmium	3.0	U		P
7440-70-2	Calcium	36800			P
7440-47-3	Chromium	5.4	E	U	P
7440-48-4	Cobalt	9.0	U		P
7440-50-8	Copper	10.0	U		P
7439-89-6	Iron				NR
7439-92-1	Lead	7.5	E	J	P
7439-95-4	Magnesium	25100	E		P
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	28.4	E	U	P
7440-09-7	Potassium				NR
7782-49-2	Selenium	1.0	U		P
7440-22-4	Silver	5.0	E	UJ	P
7440-23-5	Sodium	57300			P
7440-28-0	Thallium	2.0	U		P
7440-62-2	Vanadium	5.0	E	UJ	P
7440-66-6	Zinc	17.1	E	U	P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
CLIENT ID: TKC-SW03-W-0001

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE N

TKCSW4

Lab Name: NUS Laboratory Contract: TINKER AFB

Lab Code: Case No.: TNK SAS No.: SDG No.: PR91

Matrix (soil/water): WATER Lab Sample ID: H174365

Level (low/med): LOW Date Received: 07/06/91

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	6.0	B	UJ	P
7440-38-2	Arsenic	2.8	B		P
7440-39-3	Barium	343	B	J	P
7440-41-7	Beryllium	1.7	B	U	P
7440-43-9	Cadmium	3.0	U		P
7440-70-2	Calcium	43100			P
7440-47-3	Chromium	6.4	B	U	P
7440-48-4	Cobalt	16.2	B		P
7440-50-8	Copper	10.0	U		P
7439-89-6	Iron				NR
7439-92-1	Lead	3.2	B	J	P
7439-95-4	Magnesium	11300	B		P
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	22.3	B	U	P
7440-09-7	Potassium				NR
7782-49-2	Selenium	1.0	U		P
7440-22-4	Silver	5.0	B	UJ	P
7440-23-5	Sodium	23600			P
7440-28-0	Thallium	2.0	U		P
7440-62-2	Vanadium	9.0	B	UJ	P
7440-66-6	Zinc	20.1		U	P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
CLIENT ID: TKC-SW04-W-0001

U.S. EPA - CLP

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

TKCSW4

Lab Name: NUS Laboratory Contract: TINKER AFB

Lab Code: Case No.: TNK SAS No.: SDG No.: PNS1

Matrix (soil/water): WATER Lab Sample ID: H174365

Level (low/med): LOW Date Received: 07/06/91

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	6.0		UJ	P
7440-38-2	Arsenic	2.8			P
7440-39-3	Barium	343		J	P
7440-41-7	Beryllium	1.7		U	P
7440-43-9	Cadmium	3.0	U		P
7440-70-2	Calcium	43100			P
7440-47-3	Chromium	6.4		U	P
7440-48-4	Cobalt	16.2			P
7440-50-8	Copper	10.0	U		P
7439-89-6	Iron				NR
7439-92-1	Lead	3.2		J	P
7439-95-4	Magnesium	11300			P
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	22.3		U	P
7440-09-7	Potassium				NR
7782-49-2	Selenium	1.0	U		P
7440-22-4	Silver	5.0		UJ	P
7440-23-5	Sodium	23600			P
7440-28-0	Thallium	2.0	U		P
7440-62-2	Vanadium	9.0		UJ	P
7440-66-6	Zinc	20.1		U	P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
CLIENT ID: TKC-SW04-W-0001

U.S. EPA - CLP

EPA SAMPLE NO.

1

INORGANIC ANALYSIS DATA SHEET

TKCSW5

Lab Name: NUS Laboratory Contract: TINKER AFB

Lab Code: Case No.: TNK SAS No.: SDG No.: [illegible]

Matrix (soil/water): WATER Lab Sample ID: H17445I

Level (low/med): LOW Date Received: 07/09/91

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	3.0	U	UJ	P
7440-38-2	Arsenic	2.0	U	UJ	P
7440-39-3	Barium	393		J	P
7440-41-7	Beryllium	2.4	U	U	P
7440-43-9	Cadmium	4.2	U	U	P
7440-70-2	Calcium	50700		J	P
7440-47-3	Chromium	5.0	U	UJ	P
7440-48-4	Cobalt	16.3	U	U	P
7440-50-8	Copper	12.2	U		P
7439-89-6	Iron				NR
7439-92-1	Lead	1.2	U		P
7439-95-4	Magnesium	22900			P
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	16.0	U		P
7440-09-7	Potassium				NR
7782-49-2	Selenium	1.1	U	U	P
7440-22-4	Silver	2.2	U	U	P
7440-23-5	Sodium	44900			P
7440-28-0	Thallium	2.0	U		P
7440-62-2	Vanadium	50.0		U	P
7440-66-6	Zinc	6.0	U	UJ	P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
CLIENT ID: TKC-SW05-W-0001

U.S. EPA - CLP

EPA SAMPLE NO.

1

INORGANIC ANALYSIS DATA SHEET

TKCSW5

Lab Name: NUS Laboratory Contract: TINKER AFB

Lab Code: Case No.: TNK SAS No.: SDG No.: [illegible]

Matrix (soil/water): WATER Lab Sample ID: H1/4451

Level (low/med): LOW Date Received: 07/09/91

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	3.0	~~B~~	UJ	F
7440-38-2	Arsenic	2.0	~~B~~	UJ	F
7440-39-3	Barium	393		J	P
7440-41-7	Beryllium	2.4	~~B~~	U	P
7440-43-9	Cadmium	4.2	~~B~~	U	P
7440-70-2	Calcium	50700	~~B~~	J	P
7440-47-3	Chromium	5.0	~~B~~	UJ	P
7440-48-4	Cobalt	16.3	~~B~~	U	P
7440-50-8	Copper	12.2	~~B~~		P
7439-89-6	Iron				NR
7439-92-1	Lead	1.2	~~B~~		F
7439-95-4	Magnesium	22900			P
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	16.0	U		P
7440-09-7	Potassium				NR
7782-49-2	Selenium	1.1	~~B~~	U	F
7440-22-4	Silver	~~2.1~~	~~B~~	~~U~~	P
7440-23-5	Sodium	44900			P
7440-28-0	Thallium	2.0	U		F
7440-62-2	Vanadium	50.0		U	P
7440-66-6	Zinc	6.0	~~B~~	UJ	P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
CLIENT ID: TKC-SW05-W-0001

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

TOCSW6

Lab Name: NUS Laboratory Contract: TINKER AFB

Lab Code: Case No.: TNK SAS No.: SDG No.: PK61

Matrix (soil/water): WATER Lab Sample ID: H174363

Level (low/med): LOW Date Received: 07/06/91

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	6.0		UJ	P
7440-38-2	Arsenic	2.8			P
7440-39-3	Barium	450		J	P
7440-41-7	Beryllium	2.1		U	P
7440-43-9	Cadmium	3.0	U		P
7440-70-2	Calcium	36300			P
7440-47-3	Chromium	5.0	U		P
7440-48-4	Cobalt	12.1			P
7440-50-8	Copper	10.0	U		P
7439-89-6	Iron				NR
7439-92-1	Lead	8.2		J	P
7439-95-4	Magnesium	15900			P
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	27.2		U	P
7440-09-7	Potassium				NR
7782-49-2	Selenium	1.0	U		P
7440-22-4	Silver	5.0		UJ	P
7440-23-5	Sodium	32100			P
7440-28-0	Thallium	2.0	U		P
7440-62-2	Vanadium	9.0	U	UJ	P
7440-66-6	Zinc	17.3		U	P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
CLIENT ID: TOC-SW06-W-0001

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

TCCSW6

Lab Name: NUS Laboratory Contract: TINKER AFB

Lab Code: Case No.: TNK SAS No.: SDG No.: PK61

Matrix (soil/water): WATER Lab Sample ID: H174363

Level (low/med): LOW Date Received: 07/06/91

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	6.0		UJ	P
7440-38-2	Arsenic	2.8			P
7440-39-3	Barium	450		J	P
7440-41-7	Beryllium	2.1		U	P
7440-43-9	Cadmium	3.0	U		P
7440-70-2	Calcium	36300			P
7440-47-3	Chromium	5.0	U		P
7440-48-4	Cobalt	12.1			P
7440-50-8	Copper	10.0	U		P
7439-89-6	Iron				NR
7439-92-1	Lead	8.2		J	P
7439-95-4	Magnesium	15900			P
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	27.2		U	P
7440-09-7	Potassium				NR
7782-49-2	Selenium	1.0	U		P
7440-22-4	Silver	5.0		UJ	P
7440-23-5	Sodium	32100			P
7440-28-0	Thallium	2.0	U		P
7440-62-2	Vanadium	9.0		UJ	P
7440-66-6	Zinc	17.3		U	P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
CLIENT ID: TCC-SW06-W-0001

U.S. EPA - CLP

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

TCCSW6W

Lab Name: NUS CORPORATION Contract: _____

Lab Code: NUS Case No.: TNK SAS No.: _____ SDG No.: PKG1

Matrix (soil/water): WATER Lab Sample ID: P167572

Level (low/med): _____ Date Received: 07/05/91

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
---------	Cyanide	10.0	U		C

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

TCCSW6W

Lab Name: NUS CORPORATION Contract: _____

Lab Code: NUS___ Case No.: TNK___ SAS No.: _____ SDG No.: PKG1__

Matrix (soil/water): WATER Lab Sample ID: P167572___

Level (low/med): _____ Date Received: 07/05/91

% Solids: __0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_				NR
7440-36-0	Antimony_				NR
7440-38-2	Arsenic__				NR
7440-39-3	Barium___				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium__				NR
7440-70-2	Calcium__				NR
7440-47-3	Chromium_				NR
7440-48-4	Cobalt___				NR
7440-50-8	Copper___				NR
7439-89-6	Iron_____				NR
7439-92-1	Lead_____				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury__				NR
7440-02-0	Nickel___				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium_				NR
7440-22-4	Silver___				NR
7440-23-5	Sodium___				NR
7440-28-0	Thallium_				NR
7440-62-2	Vanadium_				NR
7440-66-6	Zinc_____				NR
---------	Cyanide__	10.0	U		C_

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: ___

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

TCCSC6

Lab Name: NUS Laboratory Contract: TINKER AFB

Lab Code: Case No.: TNK SAS No.: SDG No.: H961

Matrix (soil/water): WATER Lab Sample ID: H174364

Level (low/med): LOW Date Received: 07/06/91

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	6.0	U		P
7440-38-2	Arsenic	2.7		J	P
7440-39-3	Barium	447		J	P
7440-41-7	Beryllium	1.8		U	P
7440-43-9	Cadmium	3.0	U		P
7440-70-2	Calcium	35500			P
7440-47-3	Chromium	7.7		U	P
7440-48-4	Cobalt	9.0	U		P
7440-50-8	Copper	10.0	U		P
7439-89-6	Iron				NR
7439-92-1	Lead	6.2		J	P
7439-95-4	Magnesium	16400			P
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	22.7		U	P
7440-09-7	Potassium				NR
7782-49-2	Selenium	1.0	U		P
7440-22-4	Silver	5.0		UJ	P
7440-23-5	Sodium	31200			P
7440-28-0	Thallium	2.0	U		P
7440-62-2	Vanadium	9.0		UJ	P
7440-66-6	Zinc	16.1		U	P
	Cyanide				NR

FIELD DUP. OF TCC-SW06-W OC

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
CLIENT ID: TCC-SW06-C-0001

U.S. EPA - CLP

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

TCCSC6

Lab Name: NUS Laboratory

Contract: TINKER AFB

Lab Code:

Case No.: TNK

SAS No.:

SDG No.: FN01

Matrix (soil/water): WATER

Lab Sample ID: H174364

Level (low/med): LOW

Date Received: 07/06/91

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	6.0	U		P
7440-38-2	Arsenic	2.7		J	P
7440-39-3	Barium	447		J	P
7440-41-7	Beryllium	1.8		U	P
7440-43-9	Cadmium	3.0	U		P
7440-70-2	Calcium	35500			P
7440-47-3	Chromium	7.7		U	P
7440-48-4	Cobalt	9.0	U		P
7440-50-8	Copper	10.0	U		P
7439-89-6	Iron				NR
7439-92-1	Lead	6.2		J	P
7439-95-4	Magnesium	16400			P
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	22.7		U	P
7440-09-7	Potassium				NR
7782-49-2	Selenium	1.0	U		P
7440-22-4	Silver	5.0		UJ	P
7440-23-5	Sodium	31200			P
7440-28-0	Thallium	2.0	U		P
7440-62-2	Vanadium	9.0		UJ	P
7440-66-6	Zinc	16.1		U	P
	Cyanide				NR

FIELD DUP. OF TCC-SW06-W 00

Color Before: COLORLESS

Clarity Before: CLEAR

Texture:

Color After: COLORLESS

Clarity After: CLEAR

Artifacts:

Comments:
CLIENT ID: TCC-SW06-C-0001

U.S. EPA - CLP

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

TCCSW6C

Lab Name: NUS CORPORATION Contract: _____

Lab Code: NUS___ Case No.: TNK___ SAS No.: _____ SDG No.: PKG1__

Matrix (soil/water): WATER Lab Sample ID: P167573___

Level (low/med): _____ Date Received: 07/05/91

% Solids: __0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_				NR
7440-36-0	Antimony_				NR
7440-38-2	Arsenic__				NR
7440-39-3	Barium___				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium__				NR
7440-70-2	Calcium__				NR
7440-47-3	Chromium_				NR
7440-48-4	Cobalt___				NR
7440-50-8	Copper___				NR
7439-89-6	Iron_____				NR
7439-92-1	Lead_____				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury__				NR
7440-02-0	Nickel___				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium_				NR
7440-22-4	Silver___				NR
7440-23-5	Sodium___				NR
7440-28-0	Thallium_				NR
7440-62-2	Vanadium_				NR
7440-66-6	Zinc_____				NR
--------	Cyanide__	10.0	U		C

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: ___

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

TCCSW6C

Lab Name: NUS CORPORATION Contract: _____

Lab Code: NUS Case No.: TNK SAS No.: _____ SDG No.: PKG1

Matrix (soil/water): WATER Lab Sample ID: P167573

Level (low/med): _____ Date Received: 07/05/91

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
--------	Cyanide	10.0	U		C

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:

U.S. EPA - CLP

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

TOCSW7

Lab Name: NUS Laboratory Contract: TINKER AFB

Lab Code: Case No.: TNK SAS No.: SDG No.: PKG1

Matrix (soil/water): WATER Lab Sample ID: H174653

Level (low/med): LOW Date Received: 07/08/91

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	6.0	U		F
7440-38-2	Arsenic	2.6	~~E~~		F
7440-39-3	Barium	469	~~E~~	J	P
7440-41-7	Beryllium	1.9	~~E~~	U	P
7440-43-9	Cadmium	3.0	U		P
7440-70-2	Calcium	36500			P
7440-47-3	Chromium	6.0	~~E~~	U	P
7440-48-4	Cobalt	9.0	U		P
7440-50-8	Copper	10.0	U		P
7439-89-6	Iron				NR
7439-92-1	Lead	3.1	~~E~~	J	F
7439-95-4	Magnesium	16100	~~E~~		P
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	28.4	~~E~~	U	P
7440-09-7	Potassium				NR
7782-49-2	Selenium	1.0	U		F
7440-22-4	Silver	5.0	~~E~~	US	P
7440-23-5	Sodium	36200			P
7440-28-0	Thallium	2.0	U		F
7440-62-2	Vanadium	9.0	~~E~~	UJ	P
7440-66-6	Zinc	12.8	~~E~~	U	P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
CLIENT ID: TOC-SW07-W-0001

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

TCCSW7

Lab Name: NUS Laboratory Contract: TINKER AFB

Lab Code: Case No.: TNK SAS No.: SDG No.: PKG1

Matrix (soil/water): WATER Lab Sample ID: H174653

Level (low/med): LOW Date Received: 07/08/91

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	6.0	U		P
7440-38-2	Arsenic	2.6	~~E~~		P
7440-39-3	Barium	469	~~E~~	J	P
7440-41-7	Beryllium	1.9	~~E~~	N	P
7440-43-9	Cadmium	3.0	U		P
7440-70-2	Calcium	36500			P
7440-47-3	Chromium	6.0	~~E~~	N	P
7440-48-4	Cobalt	9.0	U		P
7440-50-8	Copper	10.0	U		P
7439-89-6	Iron				NR
7439-92-1	Lead	3.1	~~E~~	J	P
7439-95-4	Magnesium	16100	~~E~~		P
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	28.4	~~E~~	N	P
7440-09-7	Potassium				NR
7782-49-2	Selenium	1.0	U		P
7440-22-4	Silver	5.0	~~E~~	NS	P
7440-23-5	Sodium	36200			P
7440-28-0	Thallium	2.0	U		P
7440-62-2	Vanadium	9.0	~~U~~	US	P
7440-66-6	Zinc	12.8	~~E~~	N	P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
CLIENT ID: TCC-SW07-W-0001

U.S. EPA - CLP

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

TCCSWS

Lab Name: NUS Laboratory Contract: TINKER AFB

Lab Code: Case No.: TNK SAS No.: SDG No.: PKG1

Matrix (soil/water): WATER Lab Sample ID: H174654

Level (low/med): LOW Date Received: 07/08/91

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	6.0	U		P
7440-38-2	Arsenic	2.8	B		P
7440-39-3	Barium	553		J	P
7440-41-7	Beryllium	1.6	B	U	P
7440-43-9	Cadmium	3.0	U		P
7440-70-2	Calcium	42700			P
7440-47-3	Chromium	5.0	U		P
7440-48-4	Cobalt	9.3	B		P
7440-50-8	Copper	10.0	U		P
7439-89-6	Iron				NR
7439-92-1	Lead	2.6	B	J	F
7439-95-4	Magnesium	20900	B		P
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	23.5	B	U	P
7440-09-7	Potassium				NR
7782-49-2	Selenium	1.0	U		F
7440-22-4	Silver	5.0	B	UJ	P
7440-23-5	Sodium	42900			P
7440-28-0	Thallium	2.0	U		F
7440-62-2	Vanadium	9.0	B	UJ	P
7440-66-6	Zinc	11.3	B	U	P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
CLIENT ID: TCC-SW08-W-0001

U.S. EPA - CLP

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

TCCSWS

Lab Name: NUS Laboratory Contract: TINKER AFB

Lab Code: Case No.: TNK SAS No.: SDG No.: PAGE1

Matrix (soil/water): WATER Lab Sample ID: H174654

Level (low/med): LOW Date Received: 07/08/91

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	6.0	U		P
7440-38-2	Arsenic	2.8	B		P
7440-39-3	Barium	553		~~E~~ J	P
7440-41-7	Beryllium	1.6	~~B~~	U	P
7440-43-9	Cadmium	3.0	U		P
7440-70-2	Calcium	42700			P
7440-47-3	Chromium	5.0	U		P
7440-48-4	Cobalt	9.3	B		P
7440-50-8	Copper	10.0	U		P
7439-89-6	Iron				NR
7439-92-1	Lead	2.6	~~B~~	J	P
7439-95-4	Magnesium	20900		~~E~~	P
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	23.5	~~B~~	U	P
7440-09-7	Potassium				NR
7782-49-2	Selenium	1.0	U		P
7440-22-4	Silver	5.0	~~B~~	UJ	P
7440-23-5	Sodium	43900			P
7440-28-0	Thallium	2.0	U		P
7440-62-2	Vanadium	9.0	~~B~~	UJ	P
7440-66-6	Zinc	11.3	~~B~~	U	P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

CLIENT ID: TCC-SW08-W-0001

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

TOCSW9

Lab Name: NUS Laboratory Contract: TINKER AFB

Lab Code: Case No.: TNK SAS No.: SDG No.: PR61

Matrix (soil/water): WATER Lab Sample ID: H174368

Level (low/med): LOW Date Received: 07/08/91

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	6.0	U		P
7440-38-2	Arsenic	2.4			P
7440-39-3	Barium	642		J	P
7440-41-7	Beryllium	1.5		U	P
7440-43-9	Cadmium	3.0	U		P
7440-70-2	Calcium	60100			P
7440-47-3	Chromium	5.0	U		P
7440-48-4	Cobalt	9.0	U		P
7440-50-8	Copper	10.0	U		P
7439-89-6	Iron				NR
7439-92-1	Lead	1.2		J	P
7439-95-4	Magnesium	21700			P
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	33.4		U	P
7440-09-7	Potassium				NR
7782-49-2	Selenium	1.0	U		P
7440-22-4	Silver	5.0		UJ	P
7440-23-5	Sodium	43100			P
7440-28-0	Thallium	2.0	U		P
7440-62-2	Vanadium	9.0		UJ	P
7440-66-6	Zinc	9.3		U	P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
CLIENT ID: TOC-SW09-W-0001

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

TCCSW9

Lab Name: NUS Laboratory Contract: TINKER AFB

Lab Code: Case No.: TNK SAS No.: SDG No.: PR61

Matrix (soil/water): WATER Lab Sample ID: H174368

Level (low/med): LOW Date Received: 07/08/91

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	6.0	U		P
7440-38-2	Arsenic	2.4			P
7440-39-3	Barium	642		J	P
7440-41-7	Beryllium	1.5		U	P
7440-43-9	Cadmium	3.0	U		P
7440-70-2	Calcium	60100			P
7440-47-3	Chromium	5.0	U		P
7440-48-4	Cobalt	9.0	U		P
7440-50-8	Copper	10.0	U		P
7439-89-6	Iron				NR
7439-92-1	Lead	1.2		J	P
7439-95-4	Magnesium	21700			P
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	33.4		U	P
7440-09-7	Potassium				NR
7782-49-2	Selenium	1.0	U		F
7440-22-4	Silver	5.0		UJ	P
7440-23-5	Sodium	43100			P
7440-28-0	Thallium	2.0	U		F
7440-62-2	Vanadium	9.0		UJ	P
7440-66-6	Zinc	9.3		U	P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
CLIENT ID: TCC-SW09-W-0001

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

TCCS10

Lab Name: NUS Laboratory

Contract: TINKER AFB

Lab Code:

Case No.: TNK

SAS No.:

SDG No.: PKG1

Matrix (soil/water): WATER

Lab Sample ID: H174369

Level (low/med): LOW

Date Received: 07/08/91

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	6.0	U		P
7440-38-2	Arsenic	2.3	B		P
7440-39-3	Barium	508	B	J	P
7440-41-7	Beryllium	2.1	B	U	P
7440-43-9	Cadmium	3.0	U		P
7440-70-2	Calcium	40200			P
7440-47-3	Chromium	5.7	B	U	P
7440-48-4	Cobalt	12.3	B		P
7440-50-8	Copper	10.0	U		P
7439-89-6	Iron				NR
7439-92-1	Lead	3.1	B	J	P
7439-95-4	Magnesium	18600	B		P
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	17.2	B	U	P
7440-09-7	Potassium				NR
7782-49-2	Selenium	1.0	U		P
7440-22-4	Silver	5.0	B	UJ	P
7440-23-5	Sodium	51500			P
7440-28-0	Thallium	2.0	U		P
7440-62-2	Vanadium	9.0	B	UJ	P
7440-66-6	Zinc	11.6	B	U	P
	Cyanide				NR

Color Before: COLORLESS

Clarity Before: CLEAR

Texture:

Color After: COLORLESS

Clarity After: CLEAR

Artifacts:

Comments:
CLIENT ID: TCC-SW10-W-0001

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

TCCS10

Lab Name: NUS Laboratory Contract: TINKER AFB

Lab Code: Case No.: TNK SAS No.: SDG No.: PKG1

Matrix (soil/water): WATER Lab Sample ID: H174369

Level (low/med): LOW Date Received: 07/08/91

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	6.0	U		P
7440-38-2	Arsenic	2.3			P
7440-39-3	Barium	508		J	P
7440-41-7	Beryllium	2.1		U	P
7440-43-9	Cadmium	3.0	U		P
7440-70-2	Calcium	40200			P
7440-47-3	Chromium	5.7		U	P
7440-48-4	Cobalt	12.3			P
7440-50-8	Copper	10.0	U		P
7439-89-6	Iron				NR
7439-92-1	Lead	3.1		J	P
7439-95-4	Magnesium	18600			P
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	17.2		U	P
7440-09-7	Potassium				NR
7782-49-2	Selenium	1.0	U		P
7440-22-4	Silver	5.0		UJ	P
7440-23-5	Sodium	51500			P
7440-28-0	Thallium	2.0	U		P
7440-62-2	Vanadium	9.0		UJ	P
7440-66-6	Zinc	11.6		U	P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
CLIENT ID: TCC-SW10-W-0001

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

TCCS11

Lab Name: NUS Laboratory Contract: TINKER AFB

Lab Code: Case No.: TNK SAS No.: SDG No.: PY64

Matrix (soil/water): WATER Lab Sample ID: H174458

Level (low/med): LOW Date Received: 07/09/91

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	8.0		UJ	P
7440-38-2	Arsenic	2.0		UJ	P
7440-39-3	Barium	469		J	P
7440-41-7	Beryllium	3.4		U	P
7440-43-9	Cadmium	3.0	U		P
7440-70-2	Calcium	56400		J	P
7440-47-3	Chromium	5.0		UJ	P
7440-48-4	Cobalt	15.9		U	P
7440-50-8	Copper	10.0	U		P
7439-89-6	Iron				NR
7439-92-1	Lead	2.6			P
7439-95-4	Magnesium	18800			P
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	16.0	U		P
7440-09-7	Potassium				NR
7782-49-2	Selenium	1.0	U		P
7440-22-4	Silver			R	P
7440-23-5	Sodium	36100			P
7440-28-0	Thallium	2.0	U		P
7440-62-2	Vanadium	45.0		U	P
7440-66-6	Zinc	6.0		UJ	P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
CLIENT ID: TCC-SW11-W-0001

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NU

TCCS11

Lab Name: NUS Laboratory Contract: TINKER AFB

Lab Code: Case No.: TNK SAS No.: SDG No.: PG64

Matrix (soil/water): WATER Lab Sample ID: H174458

Level (low/med): LOW Date Received: 07/09/91

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	3.0		UJ	P
7440-38-2	Arsenic	2.0		UJ	P
7440-39-3	Barium	469		J	P
7440-41-7	Beryllium	3.4		U	P
7440-43-9	Cadmium	3.0	U		P
7440-70-2	Calcium	56400		J	P
7440-47-3	Chromium	5.0		UJ	P
7440-48-4	Cobalt	15.9		U	P
7440-50-8	Copper	10.0	U		P
7439-89-6	Iron				NR
7439-92-1	Lead	2.6			P
7439-95-4	Magnesium	18800			P
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	16.0	U		P
7440-09-7	Potassium				NR
7782-49-2	Selenium	1.0	U		P
7440-22-4	Silver			R	P
7440-23-5	Sodium	36100			P
7440-28-0	Thallium	2.0	U		P
7440-62-2	Vanadium	45.0		U	P
7440-66-6	Zinc	6.0		UJ	P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
CLIENT ID: TCC-SW11-W-0001

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

TCCS12

Lab Name: NUS Laboratory Contract: TINKER AFB

Lab Code: Case No.: TNK SAS No.: SDG No.: PN64

Matrix (soil/water): WATER Lab Sample ID: H174460

Level (low/med): LOW Date Received: 07/09/91

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	3.0	~~B~~	UJ	F
7440-38-2	Arsenic	2.0	~~B~~	UJ	F
7440-39-3	Barium	533		J	P
7440-41-7	Beryllium	3.3	~~B~~	J	P
7440-43-9	Cadmium	4.0	~~B~~	J	P
7440-70-2	Calcium	55000	~~B~~	J	P
7440-47-3	Chromium	5.0	~~B~~	UJ	P
7440-48-4	Cobalt	13.3	~~B~~	J	P
7440-50-8	Copper	10.0	U		P
7439-89-6	Iron				NR
7439-92-1	Lead	1.8	~~B~~		F
7439-95-4	Magnesium	26500			P
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	16.0	U		P
7440-09-7	Potassium				NR
7782-49-2	Selenium	1.0	~~U~~ ~~B~~	UJ	F
7440-22-4	Silver	~~5.0~~	~~U~~ N	R	P
7440-23-5	Sodium	64500			P
7440-28-0	Thallium	2.0	U		F
7440-62-2	Vanadium	40.0	~~B~~	U	P
7440-66-6	Zinc	6.0	~~B~~	UJ	P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
CLIENT ID: TCC-SW12-W-0001

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

TCCS12

Lab Name: NUS Laboratory Contract: TINKER AFB

Lab Code: Case No.: TNK SAS No.: SDG No.: P664

Matrix (soil/water): WATER Lab Sample ID: H174460

Level (low/med): LOW Date Received: 07/09/91

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	3.0	~~U~~	UJ	P
7440-38-2	Arsenic	2.0	~~U~~	UJ	P
7440-39-3	Barium	533		J	P
7440-41-7	Beryllium	3.3	~~U~~	U	P
7440-43-9	Cadmium	4.0	~~U~~	U	P
7440-70-2	Calcium	55000		J	P
7440-47-3	Chromium	5.0	~~U~~	UJ	P
7440-48-4	Cobalt	13.3	~~U~~	U	P
7440-50-8	Copper	10.0	U		P
7439-89-6	Iron				NR
7439-92-1	Lead	1.8	~~U~~		P
7439-95-4	Magnesium	26500			P
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	16.0	U		P
7440-09-7	Potassium				NR
7782-49-2	Selenium	1.0	~~U~~	UJ	P
7440-22-4	Silver	~~[illegible]~~	~~U~~ N	R	P
7440-23-5	Sodium	64500			P
7440-28-0	Thallium	2.0	U		P
7440-62-2	Vanadium	40.0	~~B~~	U	P
7440-66-6	Zinc	6.0	~~U~~	UJ	P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
CLIENT ID: TCC-SW12-W-0001

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

TCCS14

Lab Name: NUS Laboratory Contract: TINKER AFB

Lab Code: Case No.: TNK SAS No.: SDG No.: PK61

Matrix (soil/water): WATER Lab Sample ID: H174370

Level (low/med): LOW Date Received: 07/08/91

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	6.0	U		P
7440-38-2	Arsenic	2.0	U		P
7440-39-3	Barium	539		J	P
7440-41-7	Beryllium	1.6		U	P
7440-43-9	Cadmium	3.0	U		P
7440-70-2	Calcium	44600			P
7440-47-3	Chromium	6.6		U	P
7440-48-4	Cobalt	12.1			P
7440-50-8	Copper	10.0	U		P
7439-89-6	Iron				NR
7439-92-1	Lead	3.7		J	P
7439-95-4	Magnesium	20500			P
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	25.9		U	P
7440-09-7	Potassium				NR
7782-49-2	Selenium	1.4			P
7440-22-4	Silver	5.0		UJ	P
7440-23-5	Sodium	30200			P
7440-28-0	Thallium	2.0	U		P
7440-62-2	Vanadium	9.0		UJ	P
7440-66-6	Zinc	12.3		U	P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
CLIENT ID: TCC-SW14-W-0001

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

TCCS14

Lab Name: NUS Laboratory Contract: TINKER AFB

Lab Code: Case No.: TNK SAS No.: SDG No.: PKG1

Matrix (soil/water): WATER Lab Sample ID: H174370

Level (low/med): LOW Date Received: 07/08/91

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	6.0	U		P
7440-38-2	Arsenic	2.0	U		P
7440-39-3	Barium	539		J	P
7440-41-7	Beryllium	1.6		U	P
7440-43-9	Cadmium	3.0	U		P
7440-70-2	Calcium	44600			P
7440-47-3	Chromium	6.6		U	P
7440-48-4	Cobalt	12.1			P
7440-50-8	Copper	10.0	U		P
7439-89-6	Iron				NR
7439-92-1	Lead	3.7		J	P
7439-95-4	Magnesium	20500			P
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	25.9		U	P
7440-09-7	Potassium				NR
7782-49-2	Selenium	1.4			F
7440-22-4	Silver	5.0		UJ	P
7440-23-5	Sodium	30200			P
7440-28-0	Thallium	2.0	U		F
7440-62-2	Vanadium	9.0		UJ	P
7440-66-6	Zinc	12.3		U	P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
CLIENT ID: TCC-SW14-W-0001

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

TCCS15

Lab Name: NUS Laboratory Contract: TINKER AFB

Lab Code: Case No.: TNK SAS No.: SDG No.: PK64

Matrix (soil/water): WATER Lab Sample ID: H174461

Level (low/med): LOW Date Received: 07/09/91

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	3.0	~~U~~	UJ	F
7440-38-2	Arsenic	2.0	~~U~~	UJ	F
7440-39-3	Barium	692		J	P
7440-41-7	Beryllium	2.9	~~U~~	UJ	P
7440-43-9	Cadmium	4.7	~~U~~	UJ	P
7440-70-2	Calcium	60100		J	P
7440-47-3	Chromium	5.0	~~U~~	UJ	P
7440-48-4	Cobalt	19.8	~~U~~	UJ	P
7440-50-8	Copper	10.0	U		P
7439-89-6	Iron				NR
7439-92-1	Lead	2.8	~~U~~		F
7439-95-4	Magnesium	30600			P
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	16.0	U		P
7440-09-7	Potassium				NR
7782-49-2	Selenium	1.0	~~UW~~	UJ	F
7440-22-4	Silver	~~0.0~~	~~UW~~	R	P
7440-23-5	Sodium	39400			P
7440-28-0	Thallium	2.0	U		F
7440-62-2	Vanadium	46.0	~~U~~	UJ	P
7440-66-6	Zinc	6.2	~~U~~	J	P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
CLIENT ID: TCC-SW15-W-0001

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

TCCS15

Lab Name: NUS Laboratory Contract: TINKER AFB

Lab Code: Case No.: TNK SAS No.: SDG No.: PKG4

Matrix (soil/water): WATER Lab Sample ID: H174461

Level (low/med): LOW Date Received: 07/09/91

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	3.0	~~B~~	UJ	F
7440-38-2	Arsenic	2.0	~~B~~	UJ	F
7440-39-3	Barium	692		J	P
7440-41-7	Beryllium	2.9	~~B~~	UJ	P
7440-43-9	Cadmium	4.7	~~B~~	UJ	P
7440-70-2	Calcium	60100	~~B~~	J	P
7440-47-3	Chromium	5.0	~~B~~	UJ	P
7440-48-4	Cobalt	19.8	~~B~~	K	P
7440-50-8	Copper	10.0	U		P
7439-89-6	Iron				NR
7439-92-1	Lead	2.8	~~B~~		F
7439-95-4	Magnesium	30600			P
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	16.0	U		P
7440-09-7	Potassium				NR
7782-49-2	Selenium	1.0	~~B~~	UJ	F
7440-22-4	Silver	~~0.0~~	~~B~~	R	P
7440-23-5	Sodium	39400			P
7440-28-0	Thallium	2.0	U		F
7440-62-2	Vanadium	46.0	~~B~~	UJ	P
7440-66-6	Zinc	6.2	~~B~~	J	P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
CLIENT ID: TCC-SW15-W-0001

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

TCCS16

Lab Name: NUS Laboratory Contract: TINKER AFB

Lab Code: Case No.: TNK SAS No.: SDG No.: PH64

Matrix (soil/water): WATER Lab Sample ID: H174455

Level (low/med): LOW Date Received: 07/09/91

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	3.0	~~U~~	UJ	F
7440-38-2	Arsenic	2.0	~~U~~	UJ	F
7440-39-3	Barium	833		J	P
7440-41-7	Beryllium	3.6	~~U~~	U	P
7440-43-9	Cadmium	3.4	~~U~~	U	P
7440-70-2	Calcium	67000		~~E~~ J	P
7440-47-3	Chromium	5.0	~~U~~	UJ	P
7440-48-4	Cobalt	14.2	~~U~~	U	P
7440-50-8	Copper	10.0	U		P
7439-89-6	Iron				NR
7439-92-1	Lead	2.6	~~U~~		F
7439-95-4	Magnesium	35900			P
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	16.0	U		P
7440-09-7	Potassium				NR
7782-49-2	Selenium	1.0	~~UWL~~	UJ	F
7440-22-4	Silver	~~5.6~~	~~U~~	NR	P
7440-23-5	Sodium	43900			P
7440-28-0	Thallium	2.0	U		F
7440-62-2	Vanadium	41.0	~~U~~	U	P
7440-66-6	Zinc	6.0	~~U~~	UJ	P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
CLIENT ID: TCC-SW16-W-0001

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

TCCS16

Lab Name: NUS Laboratory Contract: TINKER AFB

Lab Code: Case No.: TNK SAS No.: SDG No.: PKG4

Matrix (soil/water): WATER Lab Sample ID: H174459

Level (low/med): LOW Date Received: 07/09/91

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	3.0	~~U~~	UJ	P
7440-38-2	Arsenic	2.0	~~U~~	UJ	P
7440-39-3	Barium	833		J	P
7440-41-7	Beryllium	3.6	~~U~~	U	P
7440-43-9	Cadmium	3.4	~~U~~	U	P
7440-70-2	Calcium	67000		J	P
7440-47-3	Chromium	5.0	~~U~~	UJ	P
7440-48-4	Cobalt	14.2	~~U~~	U	P
7440-50-8	Copper	10.0	U		P
7439-89-6	Iron				NR
7439-92-1	Lead	2.6	~~U~~		P
7439-95-4	Magnesium	35900			P
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	16.0	U		P
7440-09-7	Potassium				NR
7782-49-2	Selenium	1.0	~~U~~	UJ	P
7440-22-4	Silver	~~5.6~~	~~U~~	R	P
7440-23-5	Sodium	43900			P
7440-28-0	Thallium	2.0	U		P
7440-62-2	Vanadium	41.0	~~U~~	U	P
7440-66-6	Zinc	6.0	~~U~~	UJ	P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
CLIENT ID: TCC-SW16-W-0001

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

TCCS16W

Lab Name: NUS CORPORATION Contract: _____

Lab Code: NUS___ Case No.: TNK___ SAS No.: _____ SDG No.: PKG4__

Matrix (soil/water): WATER Lab Sample ID: P167651___

Level (low/med): _____ Date Received: 07/07/91

% Solids: __0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_				NR
7440-36-0	Antimony_				NR
7440-38-2	Arsenic__				NR
7440-39-3	Barium___				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium__				NR
7440-70-2	Calcium__				NR
7440-47-3	Chromium_				NR
7440-48-4	Cobalt___				NR
7440-50-8	Copper___				NR
7439-89-6	Iron_____				NR
7439-92-1	Lead_____				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury__				NR
7440-02-0	Nickel___				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium_				NR
7440-22-4	Silver___				NR
7440-23-5	Sodium___				NR
7440-28-0	Thallium_				NR
7440-62-2	Vanadium_				NR
7440-66-6	Zinc_____				NR
----------	Cyanide__	10.0	U		C_

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: ___

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

TCCS16W

Lab Name: NUS CORPORATION Contract: _____

Lab Code: NUS___ Case No.: TNK___ SAS No.: _____ SDG No.: PKG4__

Matrix (soil/water): WATER Lab Sample ID: P167651___

Level (low/med): _____ Date Received: 07/07/91

% Solids: __0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_				NR
7440-36-0	Antimony_				NR
7440-38-2	Arsenic__				NR
7440-39-3	Barium___				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium__				NR
7440-70-2	Calcium__				NR
7440-47-3	Chromium_				NR
7440-48-4	Cobalt___				NR
7440-50-8	Copper___				NR
7439-89-6	Iron_____				NR
7439-92-1	Lead_____				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury__				NR
7440-02-0	Nickel___				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium_				NR
7440-22-4	Silver___				NR
7440-23-5	Sodium___				NR
7440-28-0	Thallium_				NR
7440-62-2	Vanadium_				NR
7440-66-6	Zinc_____				NR
----------	Cyanide__	10.0	U		C_

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: ___

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

TCCS17

Lab Name: NUS Laboratory Contract: TINKER AFB

Lab Code: Case No.: TNK SAS No.: SDG No.: PKG4

Matrix (soil/water): WATER Lab Sample ID: H174456

Level (low/med): LOW Date Received: 07/09/91

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	3.0	~~B~~	UJ	F
7440-38-2	Arsenic	2.0	~~B~~	UJ	F
7440-39-3	Barium	547		J	P
7440-41-7	Beryllium	3.4	~~B~~	U	P
7440-43-9	Cadmium	3.9	~~B~~	U	P
7440-70-2	Calcium	50600	~~B~~	J	P
7440-47-3	Chromium	5.0	~~B~~	UJ	P
7440-48-4	Cobalt	16.4	~~B~~	U	P
7440-50-8	Copper	10.0	U		P
7439-89-6	Iron				NR
7439-92-1	Lead	2.6	~~B~~		F
7439-95-4	Magnesium	27900			P
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	16.0	U		P
7440-09-7	Potassium				NR
7782-49-2	Selenium	1.0	U		F
7440-22-4	Silver	~~2.0~~	~~UR~~	R	P
7440-23-5	Sodium	42000			P
7440-28-0	Thallium	2.0	U		F
7440-62-2	Vanadium	42.0	~~B~~	U	P
7440-66-6	Zinc	6.0	~~B~~	UJ	P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
CLIENT ID: TCC-SW17-W-0001

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

TCCS17

Lab Name: NUS Laboratory

Contract: TINKER AFB

Lab Code:

Case No.: TNK

SAS No.:

SDG No.: PKG4

Matrix (soil/water): WATER

Lab Sample ID: H174456

Level (low/med): LOW

Date Received: 07/09/91

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	3.0	~~U~~	UJ	P
7440-38-2	Arsenic	2.0	~~U~~	UJ	P
7440-39-3	Barium	547		J	P
7440-41-7	Beryllium	3.4	~~U~~	U	P
7440-43-9	Cadmium	3.9	~~U~~	U	P
7440-70-2	Calcium	50600		J	P
7440-47-3	Chromium	5.0	~~U~~	UJ	P
7440-48-4	Cobalt	16.4	~~U~~	U	P
7440-50-8	Copper	10.0	U		P
7439-89-6	Iron				NR
7439-92-1	Lead	2.6	~~U~~		P
7439-95-4	Magnesium	27900			P
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	16.0	U		P
7440-09-7	Potassium				NR
7782-49-2	Selenium	1.0	U		P
7440-22-4	Silver	~~2.0~~	~~U~~	R	P
7440-23-5	Sodium	42000			P
7440-28-0	Thallium	2.0	U		P
7440-62-2	Vanadium	42.0	~~U~~	U	P
7440-66-6	Zinc	6.0	~~U~~	UJ	P
	Cyanide				NR

Color Before: COLORLESS

Clarity Before: CLEAR

Texture:

Color After: COLORLESS

Clarity After: CLEAR

Artifacts:

Comments:
CLIENT ID: TCC-SW17-W-0001

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

TCCS18

Lab Name: NUS Laboratory Contract: TINKER AFB

Lab Code: Case No.: TNK SAS No.: SDG No.: PKG4

Matrix (soil/water): WATER Lab Sample ID: H174457

Level (low/med): LOW Date Received: 07/09/91

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	3.0	U	UJ	P
7440-38-2	Arsenic	2.0	U	UJ	P
7440-39-3	Barium	394		J	P
7440-41-7	Beryllium	3.5	U	U	P
7440-43-9	Cadmium	3.0	U		P
7440-70-2	Calcium	43100		J	P
7440-47-3	Chromium	5.0	U	UJ	P
7440-48-4	Cobalt	16.1	U	U	P
7440-50-8	Copper	11.7	U		P
7439-89-6	Iron				NR
7439-92-1	Lead	3.2			F
7439-95-4	Magnesium	13800			P
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	16.0	U		P
7440-09-7	Potassium				NR
7782-49-2	Selenium	1.0	U		F
7440-22-4	Silver	[illegible]	U	R	P
7440-23-5	Sodium	19100			P
7440-28-0	Thallium	2.0	U		F
7440-62-2	Vanadium	44.0	U	U	P
7440-66-6	Zinc	26.5		J	P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
CLIENT ID: TCC-SW18-W-0001

U.S. EPA - CLP

EPA SAMPLE NO.

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INORGANIC ANALYSIS DATA SHEET

TCCS18

Lab Name: NUS Laboratory Contract: TINKER AFB

Lab Code: Case No.: TNF SAS No.: SDG No.: PHG4

Matrix (soil/water): WATER Lab Sample ID: H174457

Level (low/med): LOW Date Received: 07/09/91

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	3.0		UJ	F
7440-38-2	Arsenic	2.0	U	UJ	F
7440-39-3	Barium	394		J	P
7440-41-7	Beryllium	3.5		U	P
7440-43-9	Cadmium	3.0	U		P
7440-70-2	Calcium	43100		J	P
7440-47-3	Chromium	5.0		UJ	P
7440-48-4	Cobalt	16.1		U	P
7440-50-8	Copper	11.7			P
7439-89-6	Iron				NR
7439-92-1	Lead	3.2			F
7439-95-4	Magnesium	13800			P
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	16.0	U		P
7440-09-7	Potassium				NR
7782-49-2	Selenium	1.0	U		F
7440-22-4	Silver	[illegible]		R	P
7440-23-5	Sodium	19100			P
7440-28-0	Thallium	2.0	U		F
7440-62-2	Vanadium	44.0		U	P
7440-66-6	Zinc	26.5		J	P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
CLIENT ID: TCC-SW18-W-0001

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EPA SAMPLE NO.

1

INORGANIC ANALYSIS DATA SHEET

TCCS19

Lab Name: NUS Laboratory Contract: TINKER AFB

Lab Code: Case No.: TNK SAS No.: SDG No.: [illegible]

Matrix (soil/water): WATER Lab Sample ID: H174452

Level (low/med): LOW Date Received: 07/09/91

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	3.0	~~E~~	UJ	F
7440-38-2	Arsenic	2.0	~~E~~	UJ	F
7440-39-3	Barium	742		J	P
7440-41-7	Beryllium	2.6	~~E~~	U	P
7440-43-9	Cadmium	4.0	~~E~~	U	P
7440-70-2	Calcium	45200	~~E~~	J	P
7440-47-3	Chromium	5.1	~~E~~	J	P
7440-48-4	Cobalt	13.0	~~E~~	U	P
7440-50-8	Copper	10.0	U		P
7439-89-6	Iron				NR
7439-92-1	Lead	1.4	~~E~~		F
7439-95-4	Magnesium	26400			P
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	16.0	U		P
7440-09-7	Potassium				NR
7782-49-2	Selenium	1.0	U		F
7440-22-4	Silver	~~5.0~~		R	F
7440-23-5	Sodium	41500			P
7440-28-0	Thallium	2.0	U		F
7440-62-2	Vanadium	42.0	~~E~~	U	P
7440-66-6	Zinc	6.0	~~E~~	UJ	P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
CLIENT ID: TCC-SW19-W-0001

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1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

TCCS19

Lab Name: NUS Laboratory Contract: TINKER AFB

Lab Code: Case No.: TNK SAS No.: SDG No.: [illegible]

Matrix (soil/water): WATER Lab Sample ID: H174452

Level (low/med): LOW Date Received: 07/09/91

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	3.0	~~E~~	UJ	F
7440-38-2	Arsenic	2.0	~~E~~	UJ	F
7440-39-3	Barium	742		J	P
7440-41-7	Beryllium	2.6	~~E~~	U	P
7440-43-9	Cadmium	4.0	~~E~~	U	P
7440-70-2	Calcium	45200	~~E~~	J	P
7440-47-3	Chromium	5.1	~~E~~	J	P
7440-48-4	Cobalt	13.0	~~E~~	U	P
7440-50-8	Copper	10.0	U		P
7439-89-6	Iron				NR
7439-92-1	Lead	1.4	~~E~~		F
7439-95-4	Magnesium	26400			P
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	16.0	U		P
7440-09-7	Potassium				NR
7782-49-2	Selenium	1.0	U		F
7440-22-4	Silver	~~5.0~~	~~U~~	R	P
7440-23-5	Sodium	41500			P
7440-28-0	Thallium	2.0	U		F
7440-62-2	Vanadium	42.0	~~E~~	U	P
7440-66-6	Zinc	6.0	~~E~~	UJ	P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
CLIENT ID: TCC-SW19-W-0001

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

TCCS20

Lab Name: NUS Laboratory Contract: TINKER AFB

Lab Code: Case No.: TNK SAS No.: SDG No.: FHG4

Matrix (soil/water): WATER Lab Sample ID: H174453

Level (low/med): LOW Date Received: 07/09/91

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	3.0	U	UJ	P
7440-38-2	Arsenic	2.0	U	UJ	P
7440-39-3	Barium	425		J	P
7440-41-7	Beryllium	3.7	U	U	P
7440-43-9	Cadmium	4.5	U	U	P
7440-70-2	Calcium	70000		J	P
7440-47-3	Chromium	5.0	U	UJ	P
7440-48-4	Cobalt	12.6	U	U	P
7440-50-8	Copper	10.0	U		P
7439-89-6	Iron				NR
7439-92-1	Lead	1.0	U		P
7439-95-4	Magnesium	52100			P
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	16.0	U		P
7440-09-7	Potassium				NR
7782-49-2	Selenium	1.2	U	U	P
7440-22-4	Silver	5.0	U	R	P
7440-23-5	Sodium	113000			P
7440-28-0	Thallium	2.0	U		P
7440-62-2	Vanadium	40.0	U	U	P
7440-66-6	Zinc	24.4		J	P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
CLIENT ID: TCC-SW20-W-0001

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EPA SAMPLE NO.

1

INORGANIC ANALYSIS DATA SHEET

TCCS20

Lab Name: NUS Laboratory Contract: TINKER AFB

Lab Code: Case No.: TNK SAS No.: SDG No.: PH54

Matrix (soil/water): WATER Lab Sample ID: H174453

Level (low/med): LOW Date Received: 07/09/91

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	3.0		UJ	P
7440-38-2	Arsenic	2.0		UJ	P
7440-39-3	Barium	425		J	P
7440-41-7	Beryllium	3.7		U	P
7440-43-9	Cadmium	4.5		U	P
7440-70-2	Calcium	70000		J	P
7440-47-3	Chromium	5.0		UJ	P
7440-48-4	Cobalt	12.6		U	P
7440-50-8	Copper	10.0	U		P
7439-89-6	Iron				NR
7439-92-1	Lead	1.0	U		P
7439-95-4	Magnesium	52100			P
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	16.0	U		P
7440-09-7	Potassium				NR
7782-49-2	Selenium	1.2		U	P
7440-22-4	Silver	9.0		R	P
7440-23-5	Sodium	113000			P
7440-28-0	Thallium	2.0	U		P
7440-62-2	Vanadium	40.0		U	P
7440-66-6	Zinc	24.4		J	P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
CLIENT ID: TCC-SW20-W-0001

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

TCCC20

Lab Name: NUS Laboratory Contract: TINKER AFB

Lab Code: Case No.: TNK SAS No.: SDG No.: PK64

Matrix (soil/water): WATER Lab Sample ID: H174454

Level (low/med): LOW Date Received: 07/09/91

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	3.0	~~U~~	UJ	F
7440-38-2	Arsenic	2.0	~~U~~	UJ	F
7440-39-3	Barium	416		J	P
7440-41-7	Beryllium	2.2	~~B~~	U	P
7440-43-9	Cadmium	4.3	~~B~~	U	P
7440-70-2	Calcium	73800	~~E~~	J	P
7440-47-3	Chromium	5.0	~~U~~	UJ	P
7440-48-4	Cobalt	16.4	~~U~~	U	P
7440-50-8	Copper	10.0	U		P
7439-89-6	Iron				NR
7439-92-1	Lead	1.0	U		F
7439-95-4	Magnesium	53500			P
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	16.0	U		P
7440-09-7	Potassium				NR
7782-49-2	Selenium	1.9	~~B~~	U	F
7440-22-4	Silver	~~3.0~~	~~B~~	R	P
7440-23-5	Sodium	112000			P
7440-28-0	Thallium	2.0	U		F
7440-62-2	Vanadium	45.0	~~B~~	J U	P
7440-66-6	Zinc	93.0		J	P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

CLIENT ID: TCC-SW20-C-0001

Field Duplicate of TCC-SW20W0001

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

TCCC20

Lab Name: NUS Laboratory Contract: TINKER AFB

Lab Code: Case No.: TNK SAS No.: SDG No.: PK64

Matrix (soil/water): WATER Lab Sample ID: H174454

Level (low/med): LOW Date Received: 07/09/91

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	3.0	~~B~~	UJ	F
7440-38-2	Arsenic	2.0	~~B~~	UJ	F
7440-39-3	Barium	416		J	P
7440-41-7	Beryllium	2.2	~~B~~	U	P
7440-43-9	Cadmium	4.3	~~B~~	U	P
7440-70-2	Calcium	73800	~~B~~	J	P
7440-47-3	Chromium	5.0	~~B~~	UJ	P
7440-48-4	Cobalt	16.4	~~B~~	U	P
7440-50-8	Copper	10.0	U		P
7439-89-6	Iron				NR
7439-92-1	Lead	1.0	U		F
7439-95-4	Magnesium	53500			P
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	16.0	U		P
7440-09-7	Potassium				NR
7782-49-2	Selenium	1.9	~~B~~	U	F
7440-22-4	Silver	~~9.0~~	~~B~~	R	P
7440-23-5	Sodium	112000			P
7440-28-0	Thallium	2.0	U		F
7440-62-2	Vanadium	45.0	~~B~~	J U	P
7440-66-6	Zinc	33.0		J	P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

CLIENT ID: TCC-SW20-C-0001

Field Duplicate of TCC-SW20W0001

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

TCCS21

Lab Name: NUS Laboratory Contract: TINKER AFB

Lab Code: Case No.: TNK SAS No.: SDG No.: PP64

Matrix (soil/water): WATER Lab Sample ID: H174455

Level (low/med): LOW Date Received: 07/09/91

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	3.0	~~B~~	UJ	P
7440-38-2	Arsenic	2.0	~~B~~	UJ	P
7440-39-3	Barium	340		J	P
7440-41-7	Beryllium	3.2	~~B~~	U	P
7440-43-9	Cadmium	3.5	~~B~~	U	P
7440-70-2	Calcium	42500	~~B~~	J	P
7440-47-3	Chromium	5.0	~~B~~	UJ	P
7440-48-4	Cobalt	14.5	~~B~~	U	P
7440-50-8	Copper	11.0	~~B~~		P
7439-89-6	Iron				NR
7439-92-1	Lead	2.3	~~B~~		F
7439-95-4	Magnesium	26600			P
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	16.0	U		P
7440-09-7	Potassium				NR
7782-49-2	Selenium	1.0	~~B~~	UJ	F
7440-22-4	Silver	~~5.0~~	~~B~~	R	P
7440-23-5	Sodium	42200			P
7440-28-0	Thallium	2.0	U		F
7440-62-2	Vanadium	45.0	~~B~~	U	P
7440-66-6	Zinc	6.0	~~B~~	UJ	P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
CLIENT ID: TCC-SW21-W-0001

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

TCCS21

Lab Name: NUS Laboratory Contract: TINKER AFB

Lab Code: Case No.: TNK SAS No.: SDG No.: PG64

Matrix (soil/water): WATER Lab Sample ID: H174455

Level (low/med): LOW Date Received: 07/09/91

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	3.0	~~B~~	UJ	P
7440-38-2	Arsenic	2.0	~~B~~	UJ	P
7440-39-3	Barium	340			P
7440-41-7	Beryllium	3.2	~~B~~	U	P
7440-43-9	Cadmium	3.5	~~B~~	U	P
7440-70-2	Calcium	42500	~~B~~	J	P
7440-47-3	Chromium	5.0	~~B~~	UJ	P
7440-48-4	Cobalt	14.5	~~B~~	U	P
7440-50-8	Copper	11.0	~~B~~		P
7439-89-6	Iron				NR
7439-92-1	Lead	2.3	~~B~~		P
7439-95-4	Magnesium	26600			P
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	16.0	U		P
7440-09-7	Potassium				NR
7782-49-2	Selenium	1.0	~~B~~	UJ	P
7440-22-4	Silver	~~5.0~~	~~B~~	R	P
7440-23-5	Sodium	42200			P
7440-28-0	Thallium	2.0	U		P
7440-62-2	Vanadium	45.0	~~B~~	U	P
7440-66-6	Zinc	6.0	~~B~~	UJ	P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
CLIENT ID: TCC-SW21-W-0001

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

TEC522

Lab Name: NUS Laboratory Contract: TINKER AFB

Lab Code: Case No.: TNK SAS No.: SDG No.: PR61

Matrix (soil/water): WATER Lab Sample ID: H174386

Level (low/med): LOW Date Received: 07/06/91

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	6.0		UJ	P
7440-38-2	Arsenic	2.0	U		P
7440-39-3	Barium	251		J	P
7440-41-7	Beryllium	1.2		U	P
7440-43-9	Cadmium	3.0	U		P
7440-70-2	Calcium	22200			P
7440-47-3	Chromium	5.7		U	P
7440-48-4	Cobalt	16.0			P
7440-50-8	Copper	10.0	U		P
7439-89-6	Iron				NR
7439-92-1	Lead	3.5		J	P
7439-95-4	Magnesium	7920			P
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	20.8		U	P
7440-09-7	Potassium				NR
7782-49-2	Selenium	1.0	U		P
7440-22-4	Silver	5.0		UJ	P
7440-23-5	Sodium	2800			P
7440-28-0	Thallium	2.0	U		P
7440-62-2	Vanadium	9.0		UJ	P
7440-66-6	Zinc	18.6		U	P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
CLIENT ID: TEC-SW22-W-0001

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

TECS22

Lab Name: NUS Laboratory Contract: TINKER AFB

Lab Code: Case No.: TNK SAS No.: SDG No.: PRG1

Matrix (soil/water): WATER Lab Sample ID: H174366

Level (low/med): LOW Date Received: 07/06/91

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	6.0		UJ	F
7440-38-2	Arsenic	2.0	U		F
7440-39-3	Barium	251		J	P
7440-41-7	Beryllium	1.2		U	P
7440-43-9	Cadmium	3.0	U		P
7440-70-2	Calcium	22200			P
7440-47-3	Chromium	5.7		U	P
7440-48-4	Cobalt	16.0			P
7440-50-8	Copper	10.0	U		P
7439-89-6	Iron				NR
7439-92-1	Lead	3.5		J	F
7439-95-4	Magnesium	7920			P
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	20.8		U	P
7440-09-7	Potassium				NR
7782-49-2	Selenium	1.0	U		F
7440-22-4	Silver	5.0		UJ	P
7440-23-5	Sodium	2800			P
7440-28-0	Thallium	2.0	U		F
7440-62-2	Vanadium	9.0		UJ	P
7440-66-6	Zinc	18.6		U	P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
CLIENT ID: TEC-SW22-W-0001

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

TCCS26

Lab Name: NUS Laboratory Contract: TINKER AFB

Lab Code: Case No.: TNK SAS No.: SDG No.: FN64

Matrix (soil/water): WATER Lab Sample ID: H174464

Level (low/med): LOW Date Received: 07/09/91

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	3.0		UJ	F
7440-38-2	Arsenic	2.0		UJ	F
7440-39-3	Barium	297		J	F
7440-41-7	Beryllium	2.9		U	F
7440-43-9	Cadmium	4.0		U	F
7440-70-2	Calcium				NR
7440-47-3	Chromium	5.0		UJ	F
7440-48-4	Cobalt	10.6		U	F
7440-50-8	Copper	10.0	U		F
7439-89-6	Iron				NR
7439-92-1	Lead	1.0	U		F
7439-95-4	Magnesium	30100			NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	16.0	U		F
7440-09-7	Potassium				NR
7782-49-2	Selenium	1.0		UJ	F
7440-22-4	Silver	2.0		R	F
7440-23-5	Sodium				NR
7440-28-0	Thallium	2.0	U		F
7440-62-2	Vanadium	40.0		U	F
7440-66-6	Zinc	17.3		J	F
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

CLIENT ID: TCC-SW26-W-0001

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

TOCS26

Lab Name: NUS Laboratory Contract: TINKER AFB

Lab Code: Case No.: TNK SAS No.: SDG No.: P464

Matrix (soil/water): WATER Lab Sample ID: H174464

Level (low/med): LOW Date Received: 07/09/91

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	3.0		W	F
7440-38-2	Arsenic	2.0		W	F
7440-39-3	Barium	297		J	P
7440-41-7	Beryllium	2.9		U	P
7440-43-9	Cadmium	4.0		U	P
7440-70-2	Calcium				NR
7440-47-3	Chromium	5.0		W	P
7440-48-4	Cobalt	10.6		U	P
7440-50-8	Copper	10.0	U		P
7439-89-6	Iron				NR
7439-92-1	Lead	1.0	U		F
7439-95-4	Magnesium	30100			NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	16.0	U		P
7440-09-7	Potassium				NR
7782-49-2	Selenium	1.0		W	F
7440-22-4	Silver	2.0		R	P
7440-23-5	Sodium				NR
7440-28-0	Thallium	2.0	U		F
7440-62-2	Vanadium	40.0		U	P
7440-66-6	Zinc	17.3		J	P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
CLIENT ID: TOC-SW26-W-0001

E-6

SEMIVOLATILE ORGANIC COMPOUNDS IN SURFACE WATER - JULY 1991

E-6

SEMIVOLATILE ORGANIC COMPOUNDS IN SURFACE WATER - JULY 1991

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ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TKCSW01W000

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG1

Matrix: (soil/water) WATER Lab Sample ID: P167561

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP07259101

Level: (low/med) LOW Date Received: 07/04/91

% Moisture: not dec. _____ dec. _____ Date Extracted: 07/09/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 07/25/91

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
62-75-9	N-Nitrosodimethylamine	10	U
108-95-2	Phenol	10	U
62-53-3	Aniline	10	U
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
100-51-6	Benzyl Alcohol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
39638-32-9	bis(2-Chloroisopropyl)Ether	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-Di-n-Propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)Methane	10	U
120-83-2	2,4-Dichlorophenol	10	U

1X

ORGANICS ANALYSIS DATA SHEET

SAMPLE NO

TKCSW01W000

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG1

Matrix: (soil/water) WATER Lab Sample ID: P167561

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP07259101

Level: (low/med) LOW Date Received: 07/04/91

% Moisture: not dec. _____ dec. _____ Date Extracted: 07/09/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 07/25/91

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
62-75-9	N-Nitrosodimethylamine	10	U
108-95-2	Phenol	10	U
62-53-3	Aniline	10	U
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
100-51-6	Benzyl Alcohol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
39638-32-9	bis(2-Chloroisopropyl)Ether	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-Di-n-Propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)Methane	10	U
120-83-2	2,4-Dichlorophenol	10	U

ORGANICS ANALYSIS DATA SHEET

TNCSW01W000

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG1

Matrix: (soil/water) WATER Lab Sample ID: P167561

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP07259101

Level: (low/med) LOW Date Received: 07/04/91

% Moisture: not dec. _____ dec. _____ Date Extracted: 07/09/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 07/25/91

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	50	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	50	U
131-11-3	Dimethyl Phthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	50	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	50	U
100-02-7	4-Nitrophenol	50	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U

ORGANICS ANALYSIS DATA SHEET

TNCSW01W000

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG1

Matrix: (soil/water) WATER Lab Sample ID: P167561

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP07259101

Level: (low/med) LOW Date Received: 07/04/91

% Moisture: not dec. _____ dec. _____ Date Extracted: 07/09/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 07/25/91

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	50	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	50	U
131-11-3	Dimethyl Phthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	50	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	50	U
100-02-7	4-Nitrophenol	50	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U

ORGANICS ANALYSIS DATA SHEET

TXCSW01W0001

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG1

Matrix: (soil/water) WATER Lab Sample ID: P167561

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP07259101

Level: (low/med) LOW Date Received: 07/04/91

% Moisture: not dec. _____ dec. _____ Date Extracted: 07/09/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 07/25/91

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-10-6	4-Nitroaniline	50	U
534-52-1	4,6-Dinitro-2-Methylphenol	50	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	50	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-Butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	20	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)Phthalate	10	U
117-84-0	Di-n-Octyl Phthalate	10	U

ORGANICS ANALYSIS DATA SHEET

TNCSW01W0001

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG1

Matrix: (soil/water) WATER Lab Sample ID: P167561

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP07259101

Level: (low/med) LOW Date Received: 07/04/91

% Moisture: not dec. _____ dec. _____ Date Extracted: 07/09/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 07/25/91

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-10-6	4-Nitroaniline	50	U
534-52-1	4,6-Dinitro-2-Methylphenol	50	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	50	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-Butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	20	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)Phthalate	10	U
117-84-0	Di-n-Octyl Phthalate	10	U

ORGANICS ANALYSIS DATA SHEET

TKCSW01W0001

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG1

Matrix: (soil/water) WATER Lab Sample ID: P167561

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP07259101

Level: (low/med) LOW Date Received: 07/04/91

% Moisture: not dec. _____ dec. _____ Date Extracted: 07/09/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 07/25/91

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
205-99-2	Benzo(b)Fluoranthene	10	U
207-08-9	Benzo(k)Fluoranthene	10	U
50-32-8	Benzo(a)Pyrene	10	U
193-39-5	Indeno(1,2,3-cd)Pyrene	10	U
53-70-3	Dibenzo(a,h)Anthracene	10	U
191-24-2	Benzo(g,h,i)Perylene	10	U
58-90-2	2,3,4,6-Tetrachlorophenol	10	U
109-06-8	Pyridine, 2-Methyl (2-Picolin	10	U
62-50-0	Methanesulfonic acid, Ethyl	10	U
100-75-4	N-Nitrosopiperidine	10	U
87-65-0	2,6-Dichlorophenol	10	U
924-16-3	N-Nitroso-di-n-butylamine	10	~~U~~ UJ
66-27-3	Methanesulfonic acid, Methyl	10	U
98-86-2	Acetophenone	10	U
122-09-8	A,A-Dimethylphenylamine	10	U
608-93-5	Pentachlorobenzene	10	~~U~~ UJ
92-67-1	4-Amino Biphenyl	10	U
60-11-7	P-Dimethylaminoazobenzene	10	~~U~~ UJ
57-97-6	7,12-Dimethyl Benzo(A)Anthrac	10	U
95-94-3	1,2,4,5-Tetrachlorobenzene		

ORGANICS ANALYSIS DATA SHEET

TKCSW01W0001

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG1

Matrix: (soil/water) WATER Lab Sample ID: P167561

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP07259101

Level: (low/med) LOW Date Received: 07/04/91

% Moisture: not dec. _____ dec. _____ Date Extracted: 07/09/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 07/25/91

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
205-99-2	Benzo(b)Fluoranthene	10	U
207-08-9	Benzo(k)Fluoranthene	10	U
50-32-8	Benzo(a)Pyrene	10	U
193-39-5	Indeno(1,2,3-cd)Pyrene	10	U
53-70-3	Dibenzo(a,h)Anthracene	10	U
191-24-2	Benzo(g,h,i)Perylene	10	U
58-90-2	2,3,4,6-Tetrachlorophenol	10	U
109-06-8	Pyridine, 2-Methyl (2-Picolin	10	U
62-50-0	Methanesulfonic acid, Ethyl	10	U
100-75-4	N-Nitrosopiperidine	10	U
87-65-0	2,6-Dichlorophenol	10	U
924-16-3	N-Nitroso-di-n-butylamine	10	~~U~~ UJ
66-27-3	Methanesulfonic acid, Methyl	10	U
98-86-2	Acetophenone	10	U
122-09-8	A,A-Dimethylphenylamine	10	U
608-93-5	Pentachlorobenzene	10	~~U~~ UJ
92-67-1	4-Amino Biphenyl	10	U
60-11-7	P-Dimethylaminoazobenzene	10	~~U~~ UJ
57-97-6	7,12-Dimethyl Benzo(A)Anthrac	10	U
95-94-3	1,2,4,5-Tetrachlorobenzene		

ORGANICS ANALYSIS DATA SHEET

TKCSW01W0001

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG1

Matrix: (soil/water) WATER Lab Sample ID: P167561

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP07259101

Level: (low/med) LOW Date Received: 07/04/91

% Moisture: not dec. _____ dec. _____ Date Extracted: 07/09/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 07/25/91

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
122-39-4	Diphenylamine	10	U
62-44-2	Phenacetin	10	U
56-49-5	3-Methylcholanthrene	10	U
23950-58-5	Pronamide	10	U
106-50-3	1,4-Benzenediamine	50	U
120-58-1	Isosafrole	10	U
91-59-8	2-Naphthaleneamine	10	U
99-55-8	5-Nitro-O-Toluidine	10	U
56-57-5	4-Nitroquinoline-1-Oxide	50	U
91-80-5	Methapyrilene	10	U
53-96-3	2-Acetylaminofluorene	10	U
10595-95-6	N-Nitrosomethylethylamine	10	U
55-18-5	N-Nitrosodiethylamine	10	U
930-55-2	N-Nitrosopyrrolidine	10	U
58-89-2	N-Nitrosomorpholine	10	U
95-53-4	O-Toluidine	10	U
126-68-1	O,O,O,-Triethylphosphorthioat	50	U
82-68-8	Pentachloronitrobenzene	50	~~U~~ UJ
94-59-7	Safrole	10	U
130-15-4	1,4-Napthoquinone	10	U

ORGANICS ANALYSIS DATA SHEET

TKCSW01W0001

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG1

Matrix: (soil/water) WATER Lab Sample ID: P167561

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP07259101

Level: (low/med) LOW Date Received: 07/04/91

% Moisture: not dec. _____ dec. _____ Date Extracted: 07/09/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 07/25/91

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
122-39-4	Diphenylamine	10	U
62-44-2	Phenacetin	10	U
56-49-5	3-Methylcholanthrene	10	U
23950-58-5	Pronamide	10	U
106-50-3	1,4-Benzenediamine	50	U
120-58-1	Isosafrole	10	U
91-59-8	2-Naphthaleneamine	10	U
99-55-8	5-Nitro-O-Toluidine	10	U
56-57-5	4-Nitroquinoline-1-Oxide	50	U
91-80-5	Methapyrilene	10	U
53-96-3	2-Acetylaminofluorene	10	U
10595-95-6	N-Nitrosomethylethylamine	10	U
55-18-5	N-Nitrosodiethylamine	10	U
930-55-2	N-Nitrosopyrrolidine	10	U
58-89-2	N-Nitrosomorpholine	10	U
95-53-4	O-Toluidine	10	U
126-68-1	O,O,O,-Triethylphosphorthioat	50	U
82-68-8	Pentachloronitrobenzene	50	~~U~~ UJ
94-59-7	Safrole	10	U
130-15-4	1,4-Napthoquinone	10	U

ORGANICS ANALYSIS DATA SHEET

TKCSW01W000

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG

Matrix: (soil/water) WATER Lab Sample ID: P167561

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP07259101

Level: (low/med) LOW Date Received: 07/04/91

% Moisture: not dec. _____ dec. _____ Date Extracted: 07/09/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 07/25/91

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
99-35-4	1,3,5-Trinitrobenzene	50	U
1888-71-7	Hexachloropropene	50	U
99-65-0	1,3-Dinitrobenzene	50	U
91-94-1	3,3'-Dimethylbenzidine	50	U
70-30-4	Hexachlorophene	50	U
61-51-5	Dimethoate	10	U
2303-16-4	Diallate	10	U
110-86-1	Pyridine	10	U
140-57-8	Aramite	50	~~UJ~~ U
88-85-7	2-Secbutyl-4,6-Dinitrophenol	10	U
108-39-4	M-Cresol	10	U

ORGANICS ANALYSIS DATA SHEET

TKCSW01W000

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG

Matrix: (soil/water) WATER Lab Sample ID: P167561

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP07259101

Level: (low/med) LOW Date Received: 07/04/91

% Moisture: not dec. _____ dec. _____ Date Extracted: 07/09/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 07/25/91

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
99-35-4	1,3,5-Trinitrobenzene	50	U
1888-71-7	Hexachloropropene	50	U
99-65-0	1,3-Dinitrobenzene	50	U
91-94-1	3,3'-Dimethylbenzidine	50	U
70-30-4	Hexachlorophene	50	U
61-51-5	Dimethoate	10	U
2303-16-4	Diallate	10	U
110-86-1	Pyridine	10	U
140-57-8	Aramite	50	~~U~~ UL
88-85-7	2-Secbutyl-4,6-Dinitrophenol	10	U
108-39-4	M-Cresol	10	U

1X

ORGANICS ANALYSIS DATA SHEET

SAMPLE N

TNCSW05W000

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG4

Matrix: (soil/water) WATER Lab Sample ID: P167660

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP07259109

Level: (low/med) LOW Date Received: 07/08/91

% Moisture: not dec. _____ dec. _____ Date Extracted: 07/11/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 07/25/91

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
62-75-9	N-Nitrosodimethylamine	10	U
108-95-2	Phenol	10	U
62-53-3	Aniline	10	U
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
100-51-6	Benzyl Alcohol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
39638-32-9	bis(2-Chloroisopropyl)Ether	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-Di-n-Propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)Methane	10	U
120-83-2	2,4-Dichlorophenol	10	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE N.

TKCSW05W000

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG4

Matrix: (soil/water) WATER Lab Sample ID: P167660

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP07259109

Level: (low/med) LOW Date Received: 07/08/91

% Moisture: not dec. _____ dec. _____ Date Extracted: 07/11/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 07/25/91

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
62-75-9	N-Nitrosodimethylamine	10	U
108-95-2	Phenol	10	U
62-53-3	Aniline	10	U
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
100-51-6	Benzyl Alcohol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
39638-32-9	bis(2-Chloroisopropyl)Ether	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-Di-n-Propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)Methane	10	U
120-83-2	2,4-Dichlorophenol	10	U

ORGANICS ANALYSIS DATA SHEET

TKCSW05W000

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG4

Matrix: (soil/water) WATER Lab Sample ID: P167660

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP07259109

Level: (low/med) LOW Date Received: 07/08/91

% Moisture: not dec. _____ dec. _____ Date Extracted: 07/11/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 07/25/91

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	50	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	50	U
131-11-3	Dimethyl Phthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	50	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	50	U
100-02-7	4-Nitrophenol	50	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U

ORGANICS ANALYSIS DATA SHEET

TNCSW05W000

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG4

Matrix: (soil/water) WATER Lab Sample ID: P167660

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP07259109

Level: (low/med) LOW Date Received: 07/08/91

% Moisture: not dec. _____ dec. _____ Date Extracted: 07/11/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 07/25/91

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	50	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	50	U
131-11-3	Dimethyl Phthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	50	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	50	U
100-02-7	4-Nitrophenol	50	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG4

Matrix: (soil/water) WATER Lab Sample ID: P167660

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP07259109

Level: (low/med) LOW Date Received: 07/08/91

% Moisture: not dec. ____ dec. ____ Date Extracted: 07/11/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 07/25/91

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-10-6	4-Nitroaniline	50	U
534-52-1	4,6-Dinitro-2-Methylphenol	50	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	50	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-Butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	20	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)Phthalate	10	U
117-84-0	Di-n-Octyl Phthalate	10	U

TI CSW05W000

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG4

Matrix: (soil/water) WATER Lab Sample ID: P167660

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP07259109

Level: (low/med) LOW Date Received: 07/08/91

% Moisture: not dec. _____ dec. _____ Date Extracted: 07/11/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 07/25/91

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-10-6	4-Nitroaniline	50	U
534-52-1	4,6-Dinitro-2-Methylphenol	50	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	50	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-Butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	20	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)Phthalate	10	U
117-84-0	Di-n-Octyl Phthalate	10	U

ORGANICS ANALYSIS DATA SHEET

TNCSW05W0001

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG4

Matrix: (soil/water) WATER Lab Sample ID: P167660

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP07259109

Level: (low/med) LOW Date Received: 07/08/91

% Moisture: not dec. _____ dec. _____ Date Extracted: 07/11/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 07/25/91

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
205-99-2	Benzo(b)Fluoranthene	10	U
207-08-9	Benzo(k)Fluoranthene	10	U
50-32-8	Benzo(a)Pyrene	10	U
193-39-5	Indeno(1,2,3-cd)Pyrene	10	U
53-70-3	Dibenzo(a,h)Anthracene	10	U
191-24-2	Benzo(g,h,i)Perylene	10	U
58-90-2	2,3,4,6-Tetrachlorophenol	10	U
109-06-8	Pyridine, 2-Methyl (2-Picolin	10	U
62-50-0	Methanesulfonic acid, Ethyl	10	U
100-75-4	N-Nitrosopiperidine	10	U
87-65-0	2,6-Dichlorophenol	10	U
924-16-3	N-Nitroso-di-n-butylamine	10	U
66-27-3	Methanesulfonic acid, Methyl	10	~~U~~ UJ
98-86-2	Acetophenone	10	U
122-09-8	A,A-Dimethylphenylamine	10	U
608-93-5	Pentachlorobenzene	10	U
92-67-1	4-Amino Biphenyl	10	~~U~~ UJ
60-11-7	P-Dimethylaminoazobenzene	10	U
57-97-6	7,12-Dimethyl Benzo(A)Anthrac	10	~~U~~ UJ
95-94-3	1,2,4,5-Tetrachlorobenzene	10	U

ORGANICS ANALYSIS DATA SHEET

TPCSW05W0001

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG4

Matrix: (soil/water) WATER Lab Sample ID: P167660

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP07259109

Level: (low/med) LOW Date Received: 07/08/91

% Moisture: not dec. _____ dec. _____ Date Extracted: 07/11/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 07/25/91

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
205-99-2	Benzo(b)Fluoranthene	10	U
207-08-9	Benzo(k)Fluoranthene	10	U
50-32-8	Benzo(a)Pyrene	10	U
193-39-5	Indeno(1,2,3-cd)Pyrene	10	U
53-70-3	Dibenzo(a,h)Anthracene	10	U
191-24-2	Benzo(g,h,i)Perylene	10	U
58-90-2	2,3,4,6-Tetrachlorophenol	10	U
109-06-8	Pyridine, 2-Methyl (2-Picolin	10	U
62-50-0	Methanesulfonic acid, Ethyl	10	U
100-75-4	N-Nitrosopiperidine	10	U
87-65-0	2,6-Dichlorophenol	10	U
924-16-3	N-Nitroso-di-n-butylamine	10	U
66-27-3	Methanesulfonic acid, Methyl	10	~~U~~ UJ
98-86-2	Acetophenone	10	U
122-09-8	A,A-Dimethylphenylamine	10	U
608-93-5	Pentachlorobenzene	10	U
92-67-1	4-Amino Biphenyl	10	~~U~~ UJ
60-11-7	P-Dimethylaminoazobenzene	10	U
57-97-6	7,12-Dimethyl Benzo(A)Anthrac	10	~~U~~ UJ
95-94-3	1,2,4,5-Tetrachlorobenzene	10	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE N

TKCSW05W000

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG4

Matrix: (soil/water) WATER Lab Sample ID: P167660

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP07259109

Level: (low/med) LOW Date Received: 07/08/91

% Moisture: not dec. _____ dec. _____ Date Extracted: 07/11/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 07/25/91

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
122-39-4	Diphenylamine	10	U
62-44-2	Phenacetin	10	U
56-49-5	3-Methylcholanthrene	10	U
23950-58-5	Pronamide	10	U
106-50-3	1,4-Benzenediamine	50	U
120-58-1	Isosafrole	10	U
91-59-8	2-Naphthaleneamine	10	U
99-55-8	5-Nitro-O-Toluidine	10	U
56-57-5	4-Nitroquinoline-1-Oxide	50	U
91-80-5	Methapyrilene	10	U
53-96-3	2-Acetylaminofluorene	10	U
10595-95-6	N-Nitrosomethylethylamine	10	U
55-18-5	N-Nitrosodiethylamine	10	U
930-55-2	N-Nitrosopyrrolidine	10	U
58-89-2	N-Nitrosomorpholine	10	U
95-53-4	O-Toluidine	10	U
126-68-1	O,O,O,-Triethylphosphorthioat	50	U
82-68-8	Pentachloronitrobenzene	50	U
94-59-7	Safrole	10	U
130-15-4	1,4-Napthoquinone	10	U

1X

ORGANICS ANALYSIS DATA SHEET

SAMPLE N

TKCSW05W000

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG4

Matrix: (soil/water) WATER Lab Sample ID: P167660

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP07259109

Level: (low/med) LOW Date Received: 07/08/91

% Moisture: not dec. _____ dec. _____ Date Extracted: 07/11/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 07/25/91

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
122-39-4	Diphenylamine	10	U
62-44-2	Phenacetin	10	U
56-49-5	3-Methylcholanthrene	10	U
23950-58-5	Pronamide	10	U
106-50-3	1,4-Benzenediamine	50	U
120-58-1	Isosafrole	10	U
91-59-8	2-Naphthaleneamine	10	U
99-55-8	5-Nitro-O-Toluidine	10	U
56-57-5	4-Nitroquinoline-1-Oxide	50	U
91-80-5	Methapyrilene	10	U
53-96-3	2-Acetylaminofluorene	10	U
10595-95-6	N-Nitrosomethylethylamine	10	U
55-18-5	N-Nitrosodiethylamine	10	U
930-55-2	N-Nitrosopyrrolidine	10	U
58-89-2	N-Nitrosomorpholine	10	U
95-53-4	O-Toluidine	10	U
126-68-1	O,O,O,-Triethylphosphorthioat	50	U
82-68-8	Pentachloronitrobenzene	50	U
94-59-7	Safrole	10	U
130-15-4	1,4-Napthoquinone	10	U

TECSW05W000

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG4

Matrix: (soil/water) WATER Lab Sample ID: P167660

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP07259109

Level: (low/med) LOW Date Received: 07/08/91

% Moisture: not dec. _____ dec. _____ Date Extracted: 07/11/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 07/25/91

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
99-35-4	1,3,5-Trinitrobenzene	50	U
1888-71-7	Hexachloropropene	50	U
99-65-0	1,3-Dinitrobenzene	50	U
91-94-1	3,3'-Dimethylbenzidine	50	U
70-30-4	Hexachlorophene	50	U
61-51-5	Dimethoate	10	U
2303-16-4	Diallate	10	U
110-86-1	Pyridine	10	U
140-57-8	Aramite	50	~~U~~ U
88-85-7	2-Secbutyl-4,6-Dinitrophenol	10	U
108-39-4	M-Cresol	10	U

TFCSW05W000

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG4

Matrix: (soil/water) WATER Lab Sample ID: P167660

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP07259109

Level: (low/med) LOW Date Received: 07/08/91

% Moisture: not dec. _____ dec. _____ Date Extracted: 07/11/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 07/25/91

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
99-35-4	1,3,5-Trinitrobenzene	50	U
1888-71-7	Hexachloropropene	50	U
99-65-0	1,3-Dinitrobenzene	50	U
91-94-1	3,3'-Dimethylbenzidine	50	U
70-30-4	Hexachlorophene	50	U
61-51-5	Dimethoate	10	U
2303-16-4	Diallate	10	U
110-86-1	Pyridine	10	U
140-57-8	Aramite	50	~~U~~ U
88-85-7	2-Secbutyl-4,6-Dinitrophenol	10	U
108-39-4	M-Cresol	10	U

ORGANICS ANALYSIS DATA SHEET

TCCSW06W0001

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG1

Matrix: (soil/water) WATER Lab Sample ID: P167572

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP07259102

Level: (low/med) LOW Date Received: 07/05/91

% Moisture: not dec. _____ dec. _____ Date Extracted: 07/09/91

Extraction: (SepF/Cont/Sonc) - SEPF Date Analyzed: 07/25/91

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
62-75-9	N-Nitrosodimethylamine	10	U
108-95-2	Phenol	10	U
62-53-3	Aniline	10	U
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
100-51-6	Benzyl Alcohol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
39638-32-9	bis(2-Chloroisopropyl)Ether	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-Di-n-Propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)Methane	10	U
120-83-2	2,4-Dichlorophenol	10	U

ORGANICS ANALYSIS DATA SHEET

TCCSW06W0001

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG1

Matrix: (soil/water) WATER Lab Sample ID: P167572

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP07259102

Level: (low/med) LOW Date Received: 07/05/91

% Moisture: not dec. _____ dec. _____ Date Extracted: 07/09/91

Extraction: (SepF/Cont/Sonc) - SEPF Date Analyzed: 07/25/91

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
62-75-9	N-Nitrosodimethylamine	10	U
108-95-2	Phenol	10	U
62-53-3	Aniline	10	U
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
100-51-6	Benzyl Alcohol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
39638-32-9	bis(2-Chloroisopropyl)Ether	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-Di-n-Propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)Methane	10	U
120-83-2	2,4-Dichlorophenol	10	U

ORGANICS ANALYSIS DATA SHEET

TCCSW06W0001

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG1

Matrix: (soil/water) WATER Lab Sample ID: P167572

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP07259102

Level: (low/med) LOW Date Received: 07/05/91

% Moisture: not dec. ____ dec. ____ Date Extracted: 07/09/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 07/25/91

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	50	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	50	U
131-11-3	Dimethyl Phthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	50	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	50	U
100-02-7	4-Nitrophenol	50	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U

ORGANICS ANALYSIS DATA SHEET

TCCSW06W0001

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG1

Matrix: (soil/water) WATER Lab Sample ID: P167572

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP07259102

Level: (low/med) LOW Date Received: 07/05/91

% Moisture: not dec. _____ dec. _____ Date Extracted: 07/09/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 07/25/91

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	50	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	50	U
131-11-3	Dimethyl Phthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	50	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	50	U
100-02-7	4-Nitrophenol	50	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U

ORGANICS ANALYSIS DATA SHEET

TCCSW06W0001

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG1

Matrix: (soil/water) WATER Lab Sample ID: P167572

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP07259102

Level: (low/med) LOW Date Received: 07/05/91

% Moisture: not dec. ____ dec. ____ Date Extracted: 07/09/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 07/25/91

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-10-6	4-Nitroaniline	50	U
534-52-1	4,6-Dinitro-2-Methylphenol	50	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	50	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-Butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	20	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)Phthalate	10	U
117-84-0	Di-n-Octyl Phthalate	10	U

ORGANICS ANALYSIS DATA SHEET

TCCSW06W0001

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG1

Matrix: (soil/water) WATER Lab Sample ID: P167572

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP07259102

Level: (low/med) LOW Date Received: 07/05/91

% Moisture: not dec. _____ dec. _____ Date Extracted: 07/09/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 07/25/91

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-10-6	4-Nitroaniline	50	U
534-52-1	4,6-Dinitro-2-Methylphenol	50	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	50	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-Butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	20	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)Phthalate	10	U
117-84-0	Di-n-Octyl Phthalate	10	U

ORGANICS ANALYSIS DATA SHEET

TCCSW06W0001

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG1

Matrix: (soil/water) WATER Lab Sample ID: P167572

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP07259102

Level: (low/med) LOW Date Received: 07/05/91

% Moisture: not dec. _____ dec. _____ Date Extracted: 07/09/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 07/25/91

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
205-99-2	Benzo(b)Fluoranthene	10	U
207-08-9	Benzo(k)Fluoranthene	10	U
50-32-8	Benzo(a)Pyrene	10	U
193-39-5	Indeno(1,2,3-cd)Pyrene	10	U
53-70-3	Dibenzo(a,h)Anthracene	10	U
191-24-2	Benzo(g,h,i)Perylene	10	U
58-90-2	2,3,4,6-Tetrachlorophenol	10	U
109-06-8	Pyridine, 2-Methyl (2-Picolin	10	U
62-50-0	Methanesulfonic acid, Ethyl	10	U
100-75-4	N-Nitrosopiperidine	10	U
87-65-0	2,6-Dichlorophenol	10	U
924-16-3	N-Nitroso-di-n-butylamine	10	U
66-27-3	Methanesulfonic acid, Methyl	10	~~U~~ UJ
98-86-2	Acetophenone	10	U
122-09-8	A,A-Dimethylphenylamine	10	U
608-93-5	Pentachlorobenzene	10	U
92-67-1	4-Amino Biphenyl	10	~~U~~ UJ
60-11-7	P-Dimethylaminoazobenzene	10	U
57-97-6	7,12-Dimethyl Benzo(A)Anthrac	10	~~U~~ UJ
95-94-3	1,2,4,5-Tetrachlorobenzene	10	U

ORGANICS ANALYSIS DATA SHEET

TCCSW06W0001

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG1

Matrix: (soil/water) WATER Lab Sample ID: P167572

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP07259102

Level: (low/med) LOW Date Received: 07/05/91

% Moisture: not dec. _____ dec. _____ Date Extracted: 07/09/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 07/25/91

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
205-99-2	Benzo(b)Fluoranthene	10	U
207-08-9	Benzo(k)Fluoranthene	10	U
50-32-8	Benzo(a)Pyrene	10	U
193-39-5	Indeno(1,2,3-cd)Pyrene	10	U
53-70-3	Dibenzo(a,h)Anthracene	10	U
191-24-2	Benzo(g,h,i)Perylene	10	U
58-90-2	2,3,4,6-Tetrachlorophenol	10	U
109-06-8	Pyridine, 2-Methyl (2-Picolin	10	U
62-50-0	Methanesulfonic acid, Ethyl	10	U
100-75-4	N-Nitrosopiperidine	10	U
87-65-0	2,6-Dichlorophenol	10	U
924-16-3	N-Nitroso-di-n-butylamine	10	U
66-27-3	Methanesulfonic acid, Methyl	10	~~U~~ UJ
98-86-2	Acetophenone	10	U
122-09-8	A,A-Dimethylphenylamine	10	U
608-93-5	Pentachlorobenzene	10	U
92-67-1	4-Amino Biphenyl	10	~~U~~ UJ
60-11-7	P-Dimethylaminoazobenzene	10	U
57-97-6	7,12-Dimethyl Benzo(A)Anthrac	10	~~U~~ UJ
95-94-3	1,2,4,5-Tetrachlorobenzene	10	U

ORGANICS ANALYSIS DATA SHEET

TCCSW06W0001

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG1

Matrix: (soil/water) WATER Lab Sample ID: P167572

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP07259102

Level: (low/med) LOW Date Received: 07/05/91

% Moisture: not dec. _____ dec. _____ Date Extracted: 07/09/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 07/25/91

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
122-39-4	Diphenylamine	10	U
62-44-2	Phenacetin	10	U
56-49-5	3-Methylcholanthrene	10	U
23950-58-5	Pronamide	10	U
106-50-3	1,4-Benzenediamine	50	U
120-58-1	Isosafrole	10	U
91-59-8	2-Naphthaleneamine	10	U
99-55-8	5-Nitro-O-Toluidine	10	U
56-57-5	4-Nitroquinoline-1-Oxide	50	U
91-80-5	Methapyrilene	10	U
53-96-3	2-Acetylaminofluorene	10	U
10595-95-6	N-Nitrosomethylethylamine	10	U
55-18-5	N-Nitrosodiethylamine	10	U
930-55-2	N-Nitrosopyrrolidine	10	U
58-89-2	N-Nitrosomorpholine	10	U
95-53-4	O-Toluidine	10	U
126-68-1	O,O,O,-Triethylphosphorthioat	50	U
82-68-8	Pentachloronitrobenzene	50	~~U~~ UJ
94-59-7	Safrole	10	U
130-15-4	1,4-Napthoquinone	10	U

ORGANICS ANALYSIS DATA SHEET

TCCSW06W0001

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG1

Matrix: (soil/water) WATER Lab Sample ID: P167572

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP07259102

Level: (low/med) LOW Date Received: 07/05/91

% Moisture: not dec. _____ dec. _____ Date Extracted: 07/09/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 07/25/91

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
122-39-4	Diphenylamine	10	U
62-44-2	Phenacetin	10	U
56-49-5	3-Methylcholanthrene	10	U
23950-58-5	Pronamide	10	U
106-50-3	1,4-Benzenediamine	50	U
120-58-1	Isosafrole	10	U
91-59-8	2-Naphthaleneamine	10	U
99-55-8	5-Nitro-O-Toluidine	10	U
56-57-5	4-Nitroquinoline-1-Oxide	50	U
91-80-5	Methapyrilene	10	U
53-96-3	2-Acetylaminofluorene	10	U
10595-95-6	N-Nitrosomethylethylamine	10	U
55-18-5	N-Nitrosodiethylamine	10	U
930-55-2	N-Nitrosopyrrolidine	10	U
58-89-2	N-Nitrosomorpholine	10	U
95-53-4	O-Toluidine	10	U
126-68-1	O,O,O,-Triethylphosphorthioat	50	U
82-68-8	Pentachloronitrobenzene	50	~~U~~ UJ
94-59-7	Safrole	10	U
130-15-4	1,4-Napthoquinone	10	U

1A

ORGANICS ANALYSIS DATA SHEET

TCCSW06W0001

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG1

Matrix: (soil/water) WATER Lab Sample ID: P167572

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP07259102

Level: (low/med) LOW Date Received: 07/05/91

% Moisture: not dec. _____ dec. _____ Date Extracted: 07/09/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 07/25/91

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
99-35-4	1,3,5-Trinitrobenzene	50	U
1888-71-7	Hexachloropropene	50	U
99-65-0	1,3-Dinitrobenzene	50	U
91-94-1	3,3'-Dimethylbenzidine	50	U
70-30-4	Hexachlorophene	50	U
61-51-5	Dimethoate	10	U
2303-16-4	Diallate	10	U
110-86-1	Pyridine	10	U
140-57-8	Aramite	50	U
88-85-7	2-Secbutyl-4,6-Dinitrophenol	10	U
108-39-4	M-Cresol	10	U

ORGANICS ANALYSIS DATA SHEET

TCCSW06W0001

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG1

Matrix: (soil/water) WATER Lab Sample ID: P167572

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP07259102

Level: (low/med) LOW Date Received: 07/05/91

% Moisture: not dec. _____ dec. _____ Date Extracted: 07/09/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 07/25/91

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
99-35-4	1,3,5-Trinitrobenzene	50	U
1888-71-7	Hexachloropropene	50	U
99-65-0	1,3-Dinitrobenzene	50	U
91-94-1	3,3'-Dimethylbenzidine	50	U
70-30-4	Hexachlorophene	50	U
61-51-5	Dimethoate	10	U
2303-16-4	Diallate	10	U
110-86-1	Pyridine	10	U
140-57-8	Aramite	50	U
88-85-7	2-Secbutyl-4,6-Dinitrophenol	10	U
108-39-4	M-Cresol	10	U

1X

ORGANICS ANALYSIS DATA SHEET

SAMPLE N

TCCSW06C000

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG1

Matrix: (soil/water) WATER Lab Sample ID: P167573

Sample wt/vol: 500 (g/mL) ML Lab File ID: ABP07259103

Level: (low/med) LOW Date Received: 07/05/91

% Moisture: not dec. _____ dec. _____ Date Extracted: 07/09/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 07/25/91

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 0.50

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
62-75-9	N-Nitrosodimethylamine	10	U
108-95-2	Phenol	10	U
62-53-3	Aniline	10	U
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
100-51-6	Benzyl Alcohol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
39638-32-9	bis(2-Chloroisopropyl)Ether	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-Di-n-Propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)Methane	10	U
120-83-2	2,4-Dichlorophenol	10	U

1X

ORGANICS ANALYSIS DATA SHEET

SAMPLE N

TCCSW06C000

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG1

Matrix: (soil/water) WATER Lab Sample ID: P167573

Sample wt/vol: 500 (g/mL) ML Lab File ID: ABP07259103

Level: (low/med) LOW Date Received: 07/05/91

% Moisture: not dec. _____ dec. _____ Date Extracted: 07/09/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 07/25/91

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 0.50

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
62-75-9	N-Nitrosodimethylamine	10	U
108-95-2	Phenol	10	U
62-53-3	Aniline	10	U
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
100-51-6	Benzyl Alcohol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
39638-32-9	bis(2-Chloroisopropyl)Ether	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-Di-n-Propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)Methane	10	U
120-83-2	2,4-Dichlorophenol	10	U

ORGANICS ANALYSIS DATA SHEET

TCCSW06C0001

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG1

Matrix: (soil/water) WATER Lab Sample ID: P167573

Sample wt/vol: 500 (g/mL) ML Lab File ID: ABP07259103

Level: (low/med) LOW Date Received: 07/05/91

% Moisture: not dec. _____ dec. _____ Date Extracted: 07/09/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 07/25/91

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 0.50

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	50	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	50	U
131-11-3	Dimethyl Phthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	50	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	50	U
100-02-7	4-Nitrophenol	50	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U

ORGANICS ANALYSIS DATA SHEET

TCCSW06C000

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG1

Matrix: (soil/water) WATER Lab Sample ID: P167573

Sample wt/vol: 500 (g/mL) ML Lab File ID: ABP07259103

Level: (low/med) LOW Date Received: 07/05/91

% Moisture: not dec. _____ dec. _____ Date Extracted: 07/09/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 07/25/91

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 0.50

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	50	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	50	U
131-11-3	Dimethyl Phthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	50	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	50	U
100-02-7	4-Nitrophenol	50	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U

ORGANICS ANALYSIS DATA SHEET

TCCSW06C0001

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG1

Matrix: (soil/water) WATER Lab Sample ID: P167573

Sample wt/vol: 500 (g/mL) ML Lab File ID: ABP07259103

Level: (low/med) LOW Date Received: 07/05/91

% Moisture: not dec. _____ dec. _____ Date Extracted: 07/09/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 07/25/91

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 0.50

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-10-6	4-Nitroaniline	50	U
534-52-1	4,6-Dinitro-2-Methylphenol	50	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	50	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-Butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	20	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)Phthalate	10	U
117-84-0	Di-n-Octyl Phthalate	10	U

ORGANICS ANALYSIS DATA SHEET

TCCSW06C0001

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG1

Matrix: (soil/water) WATER Lab Sample ID: P167573

Sample wt/vol: 500 (g/mL) ML Lab File ID: ABP07259103

Level: (low/med) LOW Date Received: 07/05/91

% Moisture: not dec. _____ dec. _____ Date Extracted: 07/09/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 07/25/91

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 0.50

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-10-6	4-Nitroaniline	50	U
534-52-1	4,6-Dinitro-2-Methylphenol	50	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	50	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-Butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	20	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)Phthalate	10	U
117-84-0	Di-n-Octyl Phthalate	10	U

ORGANICS ANALYSIS DATA SHEET

TCCSW06C0001

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG1

Matrix: (soil/water) WATER Lab Sample ID: P167573

Sample wt/vol: 500 (g/mL) ML Lab File ID: ABP07259103

Level: (low/med) LOW Date Received: 07/05/91

% Moisture: not dec. ____ dec. ____ Date Extracted: 07/09/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 07/25/91

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 0.50

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
205-99-2	Benzo(b)Fluoranthene	10	U
207-08-9	Benzo(k)Fluoranthene	10	U
50-32-8	Benzo(a)Pyrene	10	U
193-39-5	Indeno(1,2,3-cd)Pyrene	10	U
53-70-3	Dibenzo(a,h)Anthracene	10	U
191-24-2	Benzo(g,h,i)Perylene	10	U
58-90-2	2,3,4,6-Tetrachlorophenol	10	U
109-06-8	Pyridine, 2-Methyl (2-Picolin	10	U
62-50-0	Methanesulfonic acid, Ethyl	10	U
100-75-4	N-Nitrosopiperidine	10	U
87-65-0	2,6-Dichlorophenol	10	U
924-16-3	N-Nitroso-di-n-butylamine	10	U
66-27-3	Methanesulfonic acid, Methyl	10	~~U~~ UJ
98-86-2	Acetophenone	10	U
122-09-8	A,A-Dimethylphenylamine	10	U
608-93-5	Pentachlorobenzene	10	U
92-67-1	4-Amino Biphenyl	10	~~U~~ UJ
60-11-7	P-Dimethylaminoazobenzene	10	U
57-97-6	7,12-Dimethyl Benzo(A)Anthrac	10	~~U~~ UJ
95-94-3	1,2,4,5-Tetrachlorobenzene	10	U

ORGANICS ANALYSIS DATA SHEET

TCCSW06C0001

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG1

Matrix: (soil/water) WATER Lab Sample ID: P167573

Sample wt/vol: 500 (g/mL) ML Lab File ID: ABP07259103

Level: (low/med) LOW Date Received: 07/05/91

% Moisture: not dec. _____ dec. _____ Date Extracted: 07/09/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 07/25/91

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 0.50

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
205-99-2	Benzo(b)Fluoranthene	10	U
207-08-9	Benzo(k)Fluoranthene	10	U
50-32-8	Benzo(a)Pyrene	10	U
193-39-5	Indeno(1,2,3-cd)Pyrene	10	U
53-70-3	Dibenzo(a,h)Anthracene	10	U
191-24-2	Benzo(g,h,i)Perylene	10	U
58-90-2	2,3,4,6-Tetrachlorophenol	10	U
109-06-8	Pyridine, 2-Methyl (2-Picolin	10	U
62-50-0	Methanesulfonic acid, Ethyl	10	U
100-75-4	N-Nitrosopiperidine	10	U
87-65-0	2,6-Dichlorophenol	10	U
924-16-3	N-Nitroso-di-n-butylamine	10	U
66-27-3	Methanesulfonic acid, Methyl	10	~~U~~ UJ
98-86-2	Acetophenone	10	U
122-09-8	A,A-Dimethylphenylamine	10	U
608-93-5	Pentachlorobenzene	10	U
92-67-1	4-Amino Biphenyl	10	~~U~~ UJ
60-11-7	P-Dimethylaminoazobenzene	10	U
57-97-6	7,12-Dimethyl Benzo(A)Anthrac	10	~~U~~ UJ
95-94-3	1,2,4,5-Tetrachlorobenzene	10	U

ORGANICS ANALYSIS DATA SHEET

TCCSW06C0001

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG1

Matrix: (soil/water) WATER Lab Sample ID: P167573

Sample wt/vol: 500 (g/mL) ML Lab File ID: ABP07259103

Level: (low/med) LOW Date Received: 07/05/91

% Moisture: not dec. _____ dec. _____ Date Extracted: 07/09/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 07/25/91

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 0.50

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
122-39-4	Diphenylamine	10	U
62-44-2	Phenacetin	10	U
56-49-5	3-Methylcholanthrene	10	U
23950-58-5	Pronamide	10	U
106-50-3	1,4-Benzenediamine	50	U
120-58-1	Isosafrole	10	U
91-59-8	2-Naphthaleneamine	10	U
99-55-8	5-Nitro-O-Toluidine	10	U
56-57-5	4-Nitroquinoline-1-Oxide	50	U
91-80-5	Methapyrilene	10	U
53-96-3	2-Acetylaminofluorene	10	U
10595-95-6	N-Nitrosomethylethylamine	10	U
55-18-5	N-Nitrosodiethylamine	10	U
930-55-2	N-Nitrosopyrrolidine	10	U
58-89-2	N-Nitrosomorpholine	10	U
95-53-4	O-Toluidine	10	U
126-68-1	O,O,O,-Triethylphosphorthioat	50	U
82-68-8	Pentachloronitrobenzene	50	~~U~~ UJ
94-59-7	Safrole	10	U
130-15-4	1,4-Napthoquinone	10	U

ORGANICS ANALYSIS DATA SHEET

TCCSW06C0001

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG1

Matrix: (soil/water) WATER Lab Sample ID: P167573

Sample wt/vol: 500 (g/mL) ML Lab File ID: ABP07259103

Level: (low/med) LOW Date Received: 07/05/91

% Moisture: not dec. _____ dec. _____ Date Extracted: 07/09/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 07/25/91

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 0.50

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
122-39-4	Diphenylamine	10	U
62-44-2	Phenacetin	10	U
56-49-5	3-Methylcholanthrene	10	U
23950-58-5	Pronamide	10	U
106-50-3	1,4-Benzenediamine	50	U
120-58-1	Isosafrole	10	U
91-59-8	2-Naphthaleneamine	10	U
99-55-8	5-Nitro-O-Toluidine	10	U
56-57-5	4-Nitroquinoline-1-Oxide	50	U
91-80-5	Methapyrilene	10	U
53-96-3	2-Acetylaminofluorene	10	U
10595-95-6	N-Nitrosomethylethylamine	10	U
55-18-5	N-Nitrosodiethylamine	10	U
930-55-2	N-Nitrosopyrrolidine	10	U
58-89-2	N-Nitrosomorpholine	10	U
95-53-4	O-Toluidine	10	U
126-68-1	O,O,O,-Triethylphosphorthioat	50	U
82-68-8	Pentachloronitrobenzene	50	~~U~~ UJ
94-59-7	Safrole	10	U
130-15-4	1,4-Napthoquinone	10	U

SEMIVOLATILE ORGANICS DATA SHEET

TCCSW06C0001

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: NK SAS No.: _____ SDG No.: PKG1

Matrix: (soil/water) WATER Lab Sample ID: P167573

Sample wt/vol: 500 (g/mL) ML Lab File ID: ABP07259103

Level: (low/med) LOW Date Received: 07/05/91

% Moisture: not dec. _____ dec. _____ Date Extracted: 07/09/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 07/25/91

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 0.50

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
99-35-4	1,3,5-Trinitrobenzene	50	U
1888-71-7	Hexachloropropene	50	U
99-65-0	1,3-Dinitrobenzene	50	U
91-94-1	3,3'-Dimethylbenzidine	50	U
70-30-4	Hexachlorophene	50	U
61-51-5	Dimethoate	10	U
2303-16-4	Diallate	10	U
110-86-1	Pyridine	10	U
140-57-8	Aramite	50	~~UJ~~ U
88-85-7	2-Secbutyl-4,6-Dinitrophenol	10	U
108-39-4	M-Cresol	10	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TCCSW06C0001

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: [illegible] SAS No.: _____ SDG No.: PKG1

Matrix: (soil/water) WATER Lab Sample ID: P167573

Sample wt/vol: 500 (g/mL) ML Lab File ID: ABP07259103

Level: (low/med) LOW Date Received: 07/05/91

% Moisture: not dec. _____ dec. _____ Date Extracted: 07/09/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 07/25/91

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 0.50

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
99-35-4	1,3,5-Trinitrobenzene	50	U
1888-71-7	Hexachloropropene	50	U
99-65-0	1,3-Dinitrobenzene	50	U
91-94-1	3,3'-Dimethylbenzidine	50	U
70-30-4	Hexachlorophene	50	U
61-51-5	Dimethoate	10	U
2303-16-4	Diallate	10	U
110-86-1	Pyridine	10	U
140-57-8	Aramite	50	~~UJ~~ U
88-85-7	2-Secbutyl-4,6-Dinitrophenol	10	U
108-39-4	M-Cresol	10	U

ORGANICS ANALYSIS DATA SHEET

TCCSW11W0001

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG4

Matrix: (soil/water) WATER Lab Sample ID: P167650

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP07259106

Level: (low/med) LOW Date Received: 07/07/91

% Moisture: not dec. _____ dec. _____ Date Extracted: 07/11/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 07/25/91

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
62-75-9	N-Nitrosodimethylamine	10	U
108-95-2	Phenol	10	U
62-53-3	Aniline	10	U
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
100-51-6	Benzyl Alcohol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
39638-32-9	bis(2-Chloroisopropyl)Ether	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-Di-n-Propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)Methane	10	U
120-83-2	2,4-Dichlorophenol	10	U

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ORGANICS ANALYSIS DATA SHEET

TCCSW11W0001

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG4

Matrix: (soil/water) WATER Lab Sample ID: P167650

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP07259106

Level: (low/med) LOW Date Received: 07/07/91

% Moisture: not dec. _____ dec. _____ Date Extracted: 07/11/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 07/25/91

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
62-75-9	N-Nitrosodimethylamine	10	U
108-95-2	Phenol	10	U
62-53-3	Aniline	10	U
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
100-51-6	Benzyl Alcohol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
39638-32-9	bis(2-Chloroisopropyl)Ether	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-Di-n-Propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)Methane	10	U
120-83-2	2,4-Dichlorophenol	10	U

ORGANICS ANALYSIS DATA SHEET

TCCSW11W000

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PEG4

Matrix: (soil/water) WATER Lab Sample ID: P167650

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP07259106

Level: (low/med) LOW Date Received: 07/07/91

% Moisture: not dec. _____ dec. _____ Date Extracted: 07/11/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 07/25/91

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	50	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	50	U
131-11-3	Dimethyl Phthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	50	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	50	U
100-02-7	4-Nitrophenol	50	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U

ORGANICS ANALYSIS DATA SHEET

TCDSW11W000

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG4

Matrix: (soil/water) WATER Lab Sample ID: P167650

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP07259106

Level: (low/med) LOW Date Received: 07/07/91

% Moisture: not dec. _____ dec. _____ Date Extracted: 07/11/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 07/25/91

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	50	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	50	U
131-11-3	Dimethyl Phthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	50	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	50	U
100-02-7	4-Nitrophenol	50	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U

TDCSW11W0001

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG4

Matrix: (soil/water) WATER Lab Sample ID: P167650

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP07259106

Level: (low/med) LOW Date Received: 07/07/91

% Moisture: not dec. _____ dec. _____ Date Extracted: 07/11/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 07/25/91

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-10-6	4-Nitroaniline	50	U
534-52-1	4,6-Dinitro-2-Methylphenol	50	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	50	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-Butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	20	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)Phthalate	10	U
117-84-0	Di-n-Octyl Phthalate	10	U

TDCSW11W0001

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG4

Matrix: (soil/water) WATER Lab Sample ID: P167650

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP07259106

Level: (low/med) LOW Date Received: 07/07/91

% Moisture: not dec. _____ dec. _____ Date Extracted: 07/11/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 07/25/91

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-10-6	4-Nitroaniline	50	U
534-52-1	4,6-Dinitro-2-Methylphenol	50	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	50	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-Butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	20	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)Phthalate	10	U
117-84-0	Di-n-Octyl Phthalate	10	U

ORGANICS ANALYSIS DATA SHEET

TCCSW11W0001

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG4

Matrix: (soil/water) WATER Lab Sample ID: P167650

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP07259106

Level: (low/med) LOW Date Received: 07/07/91

% Moisture: not dec. _____ dec. _____ Date Extracted: 07/11/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 07/25/91

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
205-99-2	Benzo(b)Fluoranthene	10	U
207-08-9	Benzo(k)Fluoranthene	10	U
50-32-8	Benzo(a)Pyrene	10	U
193-39-5	Indeno(1,2,3-cd)Pyrene	10	U
53-70-3	Dibenzo(a,h)Anthracene	10	U
191-24-2	Benzo(g,h,i)Perylene	10	U
58-90-2	2,3,4,6-Tetrachlorophenol	10	U
109-06-8	Pyridine, 2-Methyl (2-Picolin	10	U
62-50-0	Methanesulfonic acid, Ethyl	10	U
100-75-4	N-Nitrosopiperidine	10	U
87-65-0	2,6-Dichlorophenol	10	U
924-16-3	N-Nitroso-di-n-butylamine	10	U
66-27-3	Methanesulfonic acid, Methyl	10	~~U~~ UJ
98-86-2	Acetophenone	10	U
122-09-8	A,A-Dimethylphenylamine	10	U
608-93-5	Pentachlorobenzene	10	U
92-67-1	4-Amino Biphenyl	10	~~U~~ UJ
60-11-7	P-Dimethylaminoazobenzene	10	U
57-97-6	7,12-Dimethyl Benzo(A)Anthrac	10	~~U~~ UJ
95-94-3	1,2,4,5-Tetrachlorobenzene	10	U

ORGANICS ANALYSIS DATA SHEET

TCCSW11W0001

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG4

Matrix: (soil/water) WATER Lab Sample ID: P167650

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP07259106

Level: (low/med) LOW Date Received: 07/07/91

% Moisture: not dec. _____ dec. _____ Date Extracted: 07/11/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 07/25/91

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
205-99-2	Benzo(b)Fluoranthene	10	U
207-08-9	Benzo(k)Fluoranthene	10	U
50-32-8	Benzo(a)Pyrene	10	U
193-39-5	Indeno(1,2,3-cd)Pyrene	10	U
53-70-3	Dibenzo(a,h)Anthracene	10	U
191-24-2	Benzo(g,h,i)Perylene	10	U
58-90-2	2,3,4,6-Tetrachlorophenol	10	U
109-06-8	Pyridine, 2-Methyl (2-Picolin	10	U
62-50-0	Methanesulfonic acid, Ethyl	10	U
100-75-4	N-Nitrosopiperidine	10	U
87-65-0	2,6-Dichlorophenol	10	U
924-16-3	N-Nitroso-di-n-butylamine	10	U
66-27-3	Methanesulfonic acid, Methyl	10	~~U~~ UJ
98-86-2	Acetophenone	10	U
122-09-8	A,A-Dimethylphenylamine	10	U
608-93-5	Pentachlorobenzene	10	U
92-67-1	4-Amino Biphenyl	10	~~U~~ UJ
60-11-7	P-Dimethylaminoazobenzene	10	U
57-97-6	7,12-Dimethyl Benzo(A)Anthrac	10	~~U~~ UJ
95-94-3	1,2,4,5-Tetrachlorobenzene	10	U

ORGANICS ANALYSIS DATA SHEET

TCCSW11W0001

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG4

Matrix: (soil/water) WATER Lab Sample ID: P167650

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP07259106

Level: (low/med) LOW Date Received: 07/07/91

% Moisture: not dec. _____ dec. _____ Date Extracted: 07/11/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 07/25/91

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
122-39-4	Diphenylamine	10	U
62-44-2	Phenacetin	10	U
56-49-5	3-Methylcholanthrene	10	U
23950-58-5	Pronamide	10	U
106-50-3	1,4-Benzenediamine	50	U
120-58-1	Isosafrole	10	U
91-59-8	2-Naphthaleneamine	10	U
99-55-8	5-Nitro-O-Toluidine	10	U
56-57-5	4-Nitroquinoline-1-Oxide	50	U
91-80-5	Methapyrilene	10	U
53-96-3	2-Acetylaminofluorene	10	U
10595-95-6	N-Nitrosomethylethylamine	10	U
55-18-5	N-Nitrosodiethylamine	10	U
930-55-2	N-Nitrosopyrrolidine	10	U
58-89-2	N-Nitrosomorpholine	10	U
95-53-4	O-Toluidine	10	U
126-68-1	O,O,O,-Triethylphosphorthioat	50	U
82-68-8	Pentachloronitrobenzene	50	U
94-59-7	Safrole	10	U
130-15-4	1,4-Napthoquinone	10	U

ORGANICS ANALYSIS DATA SHEET

TCCSW11W0001

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG4

Matrix: (soil/water) WATER Lab Sample ID: P167650

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP07259106

Level: (low/med) LOW Date Received: 07/07/91

% Moisture: not dec. _____ dec. _____ Date Extracted: 07/11/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 07/25/91

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
122-39-4	Diphenylamine	10	U
62-44-2	Phenacetin	10	U
56-49-5	3-Methylcholanthrene	10	U
23950-58-5	Pronamide	10	U
106-50-3	1,4-Benzenediamine	50	U
120-58-1	Isosafrole	10	U
91-59-8	2-Naphthaleneamine	10	U
99-55-8	5-Nitro-O-Toluidine	10	U
56-57-5	4-Nitroquinoline-1-Oxide	50	U
91-80-5	Methapyrilene	10	U
53-96-3	2-Acetylaminofluorene	10	U
10595-95-6	N-Nitrosomethylethylamine	10	U
55-18-5	N-Nitrosodiethylamine	10	U
930-55-2	N-Nitrosopyrrolidine	10	U
58-89-2	N-Nitrosomorpholine	10	U
95-53-4	O-Toluidine	10	U
126-68-1	O,O,O,-Triethylphosphorthioat	50	U
82-68-8	Pentachloronitrobenzene	50	U
94-59-7	Safrole	10	U
130-15-4	1,4-Napthoquinone	10	U

ORGANICS ANALYSIS DATA SHEET

TCDSW11W0001

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG4

Matrix: (soil/water) WATER Lab Sample ID: P167650

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP07259106

Level: (low/med) LOW Date Received: 07/07/91

% Moisture: not dec. _____ dec. _____ Date Extracted: 07/11/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 07/25/91

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
99-35-4	1,3,5-Trinitrobenzene	50	U
1888-71-7	Hexachloropropene	50	U
99-65-0	1,3-Dinitrobenzene	50	U
91-94-1	3,3'-Dimethylbenzidine	50	U
70-30-4	Hexachlorophene	50	U
61-51-5	Dimethoate	10	U
2303-16-4	Diallate	10	U
110-86-1	Pyridine	10	U
140-57-8	Aramite	50	~~U~~ U
88-85-7	2-Secbutyl-4,6-Dinitrophenol	10	U
108-39-4	M-Cresol	10	U

ORGANICS ANALYSIS DATA SHEET

TCCSW11W0001

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG4

Matrix: (soil/water) WATER Lab Sample ID: P167650

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP07259106

Level: (low/med) LOW Date Received: 07/07/91

% Moisture: not dec. _____ dec. _____ Date Extracted: 07/11/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 07/25/91

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
99-35-4	1,3,5-Trinitrobenzene	50	U
1888-71-7	Hexachloropropene	50	U
99-65-0	1,3-Dinitrobenzene	50	U
91-94-1	3,3'-Dimethylbenzidine	50	U
70-30-4	Hexachlorophene	50	U
61-51-5	Dimethoate	10	U
2303-16-4	Diallate	10	U
110-86-1	Pyridine	10	U
140-57-8	Aramite	50	~~U~~ U
88-85-7	2-Secbutyl-4,6-Dinitrophenol	10	U
108-39-4	M-Cresol	10	U

1X

ORGANICS ANALYSIS DATA SHEET

SAMPLE NO

TCCSW16W0001

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG4

Matrix: (soil/water) WATER Lab Sample ID: P167651

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP07259107

Level: (low/med) LOW Date Received: 07/07/91

% Moisture: not dec. _____ dec. _____ Date Extracted: 07/11/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 07/25/91

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
62-75-9	N-Nitrosodimethylamine	10	U
108-95-2	Phenol	10	U
62-53-3	Aniline	10	U
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
100-51-6	Benzyl Alcohol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
39638-32-9	bis(2-Chloroisopropyl)Ether	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-Di-n-Propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)Methane	10	U
120-83-2	2,4-Dichlorophenol	10	U

1X

ORGANICS ANALYSIS DATA SHEET

SAMPLE NO

TCCSW16W0001

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG4

Matrix: (soil/water) WATER Lab Sample ID: P167651

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP07259107

Level: (low/med) LOW Date Received: 07/07/91

% Moisture: not dec. _____ dec. _____ Date Extracted: 07/11/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 07/25/91

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
62-75-9	N-Nitrosodimethylamine	10	U
108-95-2	Phenol	10	U
62-53-3	Aniline	10	U
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
100-51-6	Benzyl Alcohol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
39638-32-9	bis(2-Chloroisopropyl)Ether	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-Di-n-Propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)Methane	10	U
120-83-2	2,4-Dichlorophenol	10	U

TCCSW16W000

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG4

Matrix: (soil/water) WATER Lab Sample ID: P167651

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP07259107

Level: (low/med) LOW Date Received: 07/07/91

% Moisture: not dec. _____ dec. _____ Date Extracted: 07/11/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 07/25/91

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	50	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	50	U
131-11-3	Dimethyl Phthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	50	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	50	U
100-02-7	4-Nitrophenol	50	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U

TDCSW16W000

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNE SAS No.: _____ SDG No.: PEG4

Matrix: (soil/water) WATER Lab Sample ID: P167651

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP07259107

Level: (low/med) LOW Date Received: 07/07/91

% Moisture: not dec. _____ dec. _____ Date Extracted: 07/11/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 07/25/91

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	50	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	50	U
131-11-3	Dimethyl Phthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	50	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	50	U
100-02-7	4-Nitrophenol	50	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U

ORGANICS ANALYSIS DATA SHEET

TCCSW16W000

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PHG4

Matrix: (soil/water) WATER Lab Sample ID: P167651

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP07259107

Level: (low/med) LOW Date Received: 07/07/91

% Moisture: not dec. _____ dec. _____ Date Extracted: 07/11/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 07/25/91

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-10-6	4-Nitroaniline	50	U
534-52-1	4,6-Dinitro-2-Methylphenol	50	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	50	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-Butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	20	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)Phthalate	10	U
117-84-0	Di-n-Octyl Phthalate	10	U

ORGANICS ANALYSIS DATA SHEET

TCCSW16W000

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG4

Matrix: (soil/water) WATER Lab Sample ID: P167651

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP07259107

Level: (low/med) LOW Date Received: 07/07/91

% Moisture: not dec. _____ dec. _____ Date Extracted: 07/11/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 07/25/91

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-10-6	4-Nitroaniline	50	U
534-52-1	4,6-Dinitro-2-Methylphenol	50	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	50	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-Butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	20	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)Phthalate	10	U
117-84-0	Di-n-Octyl Phthalate	10	U

1X

ORGANICS ANALYSIS DATA SHEET

SAMPLE NO

TCCSW16W0001

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG4

Matrix: (soil/water) WATER Lab Sample ID: P167651

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP07259107

Level: (low/med) LOW Date Received: 07/07/91

% Moisture: not dec. _____ dec. _____ Date Extracted: 07/11/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 07/25/91

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
205-99-2	Benzo(b)Fluoranthene	10	U
207-08-9	Benzo(k)Fluoranthene	10	U
50-32-8	Benzo(a)Pyrene	10	U
193-39-5	Indeno(1,2,3-cd)Pyrene	10	U
53-70-3	Dibenzo(a,h)Anthracene	10	U
191-24-2	Benzo(g,h,i)Perylene	10	U
58-90-2	2,3,4,6-Tetrachlorophenol	10	U
109-06-8	Pyridine, 2-Methyl (2-Picolin	10	U
62-50-0	Methanesulfonic acid, Ethyl	10	U
100-75-4	N-Nitrosopiperidine	10	U
87-65-0	2,6-Dichlorophenol	10	U
924-16-3	N-Nitroso-di-n-butylamine	10	U
66-27-3	Methanesulfonic acid, Methyl	10	~~U~~ UJ
98-86-2	Acetophenone	10	U
122-09-8	A,A-Dimethylphenylamine	10	U
608-93-5	Pentachlorobenzene	10	U
92-67-1	4-Amino Biphenyl	10	~~U~~ UJ
60-11-7	P-Dimethylaminoazobenzene	10	U
57-97-6	7,12-Dimethyl Benzo(A)Anthrac	10	~~U~~ UJ
95-94-3	1,2,4,5-Tetrachlorobenzene	10	U

1X

ORGANICS ANALYSIS DATA SHEET

SAMPLE NO

TCCSW16W0001

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG4

Matrix: (soil/water) WATER Lab Sample ID: P167651

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP07259107

Level: (low/med) LOW Date Received: 07/07/91

% Moisture: not dec. _____ dec. _____ Date Extracted: 07/11/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 07/25/91

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
205-99-2	Benzo(b)Fluoranthene	10	U
207-08-9	Benzo(k)Fluoranthene	10	U
50-32-8	Benzo(a)Pyrene	10	U
193-39-5	Indeno(1,2,3-cd)Pyrene	10	U
53-70-3	Dibenzo(a,h)Anthracene	10	U
191-24-2	Benzo(g,h,i)Perylene	10	U
58-90-2	2,3,4,6-Tetrachlorophenol	10	U
109-06-8	Pyridine, 2-Methyl (2-Picolin	10	U
62-50-0	Methanesulfonic acid, Ethyl	10	U
100-75-4	N-Nitrosopiperidine	10	U
87-65-0	2,6-Dichlorophenol	10	U
924-16-3	N-Nitroso-di-n-butylamine	10	U
66-27-3	Methanesulfonic acid, Methyl	10	~~U~~ UJ
98-86-2	Acetophenone	10	U
122-09-8	A,A-Dimethylphenylamine	10	U
608-93-5	Pentachlorobenzene	10	U
92-67-1	4-Amino Biphenyl	10	~~U~~ UJ
60-11-7	P-Dimethylaminoazobenzene	10	U
57-97-6	7,12-Dimethyl Benzo(A)Anthrac	10	~~U~~ UJ
95-94-3	1,2,4,5-Tetrachlorobenzene	10	U

1X

ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TCCSW16W0001

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG4

Matrix: (soil/water) WATER Lab Sample ID: P167651

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP07259107

Level: (low/med) LOW Date Received: 07/07/91

% Moisture: not dec. _____ dec. _____ Date Extracted: 07/11/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 07/25/91

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
122-39-4	Diphenylamine	10	U
62-44-2	Phenacetin	10	U
56-49-5	3-Methylcholanthrene	10	U
23950-58-5	Pronamide	10	U
106-50-3	1,4-Benzenediamine	50	U
120-58-1	Isosafrole	10	U
91-59-8	2-Naphthaleneamine	10	U
99-55-8	5-Nitro-O-Toluidine	10	U
56-57-5	4-Nitroquinoline-1-Oxide	50	U
91-80-5	Methapyrilene	10	U
53-96-3	2-Acetylaminofluorene	10	U
10595-95-6	N-Nitrosomethylethylamine	10	U
55-18-5	N-Nitrosodiethylamine	10	U
930-55-2	N-Nitrosopyrrolidine	10	U
58-89-2	N-Nitrosomorpholine	10	U
95-53-4	O-Toluidine	10	U
126-68-1	O,O,O,-Triethylphosphorthioat	50	U
82-68-8	Pentachloronitrobenzene	50	U
94-59-7	Safrole	10	U
130-15-4	1,4-Napthoquinone	10	U

1X

ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TCCSW16W0001

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG4

Matrix: (soil/water) WATER Lab Sample ID: P167651

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP07259107

Level: (low/med) LOW Date Received: 07/07/91

% Moisture: not dec. _____ dec. _____ Date Extracted: 07/11/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 07/25/91

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
122-39-4	Diphenylamine	10	U
62-44-2	Phenacetin	10	U
56-49-5	3-Methylcholanthrene	10	U
23950-58-5	Pronamide	10	U
106-50-3	1,4-Benzenediamine	50	U
120-58-1	Isosafrole	10	U
91-59-8	2-Naphthaleneamine	10	U
99-55-8	5-Nitro-O-Toluidine	10	U
56-57-5	4-Nitroquinoline-1-Oxide	50	U
91-80-5	Methapyrilene	10	U
53-96-3	2-Acetylaminofluorene	10	U
10595-95-6	N-Nitrosomethylethylamine	10	U
55-18-5	N-Nitrosodiethylamine	10	U
930-55-2	N-Nitrosopyrrolidine	10	U
58-89-2	N-Nitrosomorpholine	10	U
95-53-4	O-Toluidine	10	U
126-68-1	O,O,O,-Triethylphosphorthioat	50	U
82-68-8	Pentachloronitrobenzene	50	U
94-59-7	Safrole	10	U
130-15-4	1,4-Napthoquinone	10	U

1A

ORGANICS ANALYSIS DATA SHEET

TCCSW16W0001

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG4

Matrix: (soil/water) WATER Lab Sample ID: P167651

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP07259102

Level: (low/med) LOW Date Received: 07/07/91

% Moisture: not dec. _____ dec. _____ Date Extracted: 07/11/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 07/25/91

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
99-35-4	1,3,5-Trinitrobenzene	50	U
1888-71-7	Hexachloropropene	50	U
99-65-0	1,3-Dinitrobenzene	50	U
91-94-1	3,3'-Dimethylbenzidine	50	U
70-30-4	Hexachlorophene	50	U
61-51-5	Dimethoate	10	U
2303-16-4	Diallate	10	U
110-86-1	Pyridine	10	U
140-57-8	Aramite	50	~~U~~ UL
88-85-7	2-Secbutyl-4,6-Dinitrophenol	10	U
108-39-4	M-Cresol	10	U

ORGANICS ANALYSIS DATA SHEET

TCCSW16W0001

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG4

Matrix: (soil/water) WATER Lab Sample ID: P167651

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP07259102

Level: (low/med) LOW Date Received: 07/07/91

% Moisture: not dec. _____ dec. _____ Date Extracted: 07/11/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 07/25/91

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
99-35-4	1,3,5-Trinitrobenzene	50	U
1888-71-7	Hexachloropropene	50	U
99-65-0	1,3-Dinitrobenzene	50	U
91-94-1	3,3'-Dimethylbenzidine	50	U
70-30-4	Hexachlorophene	50	U
61-51-5	Dimethoate	10	U
2303-16-4	Diallate	10	U
110-86-1	Pyridine	10	U
140-57-8	Aramite	50	~~U~~ UJ
88-85-7	2-Secbutyl-4,6-Dinitrophenol	10	U
108-39-4	M-Cresol	10	U

1X

ORGANICS ANALYSIS DATA SHEET

SAMPLE NO

TCCSW21W0001

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG4

Matrix: (soil/water) WATER Lab Sample ID: P167659

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP07259108

Level: (low/med) LOW Date Received: 07/07/91

% Moisture: not dec. _____ dec. _____ Date Extracted: 07/11/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 07/25/91

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
62-75-9	N-Nitrosodimethylamine	10	U
108-95-2	Phenol	10	U
62-53-3	Aniline	10	U
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
100-51-6	Benzyl Alcohol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
39638-32-9	bis(2-Chloroisopropyl)Ether	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-Di-n-Propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)Methane	10	U
120-83-2	2,4-Dichlorophenol	10	U

1X

ORGANICS ANALYSIS DATA SHEET

SAMPLE NO

TCCSW21W0001

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG4

Matrix: (soil/water) WATER Lab Sample ID: P167659

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP07259108

Level: (low/med) LOW Date Received: 07/07/91

% Moisture: not dec. _____ dec. _____ Date Extracted: 07/11/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 07/25/91

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
62-75-9	N-Nitrosodimethylamine	10	U
108-95-2	Phenol	10	U
62-53-3	Aniline	10	U
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
100-51-6	Benzyl Alcohol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
39638-32-9	bis(2-Chloroisopropyl)Ether	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-Di-n-Propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)Methane	10	U
120-83-2	2,4-Dichlorophenol	10	U

ORGANICS ANALYSIS DATA SHEET

TCCSW21W000

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG

Matrix: (soil/water) WATER Lab Sample ID: P167659

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP0725910B

Level: (low/med) LOW Date Received: 07/07/91

% Moisture: not dec. _____ dec. _____ Date Extracted: 07/11/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 07/25/91

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	50	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	50	U
131-11-3	Dimethyl Phthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	50	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	50	U
100-02-7	4-Nitrophenol	50	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U

ORGANICS ANALYSIS DATA SHEET

TCCSW21W000

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG

Matrix: (soil/water) WATER Lab Sample ID: P167659

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP07259108

Level: (low/med) LOW Date Received: 07/07/91

% Moisture: not dec. _____ dec. _____ Date Extracted: 07/11/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 07/25/91

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	50	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	50	U
131-11-3	Dimethyl Phthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	50	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	50	U
100-02-7	4-Nitrophenol	50	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U

ORGANICS ANALYSIS DATA SHEET

TCCSW21W0001

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG4

Matrix: (soil/water) WATER Lab Sample ID: P167659

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP07259108

Level: (low/med) LOW Date Received: 07/07/91

% Moisture: not dec. _____ dec. _____ Date Extracted: 07/11/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 07/25/91

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-10-6	4-Nitroaniline	50	U
534-52-1	4,6-Dinitro-2-Methylphenol	50	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	50	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-Butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	20	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)Phthalate	10	U
117-84-0	Di-n-Octyl Phthalate	10	U

ORGANICS ANALYSIS DATA SHEET

TCCSW21W0001

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG4

Matrix: (soil/water) WATER Lab Sample ID: P167659

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP07259108

Level: (low/med) LOW Date Received: 07/07/91

% Moisture: not dec. _____ dec. _____ Date Extracted: 07/11/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 07/25/91

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-10-6	4-Nitroaniline	50	U
534-52-1	4,6-Dinitro-2-Methylphenol	50	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	50	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-Butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	20	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)Phthalate	10	U
117-84-0	Di-n-Octyl Phthalate	10	U

ORGANICS ANALYSIS DATA SHEET

TCCSW21W00

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG4

Matrix: (soil/water) WATER Lab Sample ID: P167659

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP07259108

Level: (low/med) LOW Date Received: 07/07/91

% Moisture: not dec. _____ dec. _____ Date Extracted: 07/11/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 07/25/91

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
205-99-2	Benzo(b)Fluoranthene	10	U
207-08-9	Benzo(k)Fluoranthene	10	U
50-32-8	Benzo(a)Pyrene	10	U
193-39-5	Indeno(1,2,3-cd)Pyrene	10	U
53-70-3	Dibenzo(a,h)Anthracene	10	U
191-24-2	Benzo(g,h,i)Perylene	10	U
58-90-2	2,3,4,6-Tetrachlorophenol	10	U
109-06-8	Pyridine, 2-Methyl (2-Picolin	10	U
62-50-0	Methanesulfonic acid, Ethyl	10	U
100-75-4	N-Nitrosopiperidine	10	U
87-65-0	2,6-Dichlorophenol	10	U
924-16-3	N-Nitroso-di-n-butylamine	10	U
66-27-3	Methanesulfonic acid, Methyl	10	UJ
98-86-2	Acetophenone	10	U
122-09-8	A,A-Dimethylphenylamine	10	U
608-93-5	Pentachlorobenzene	10	U
92-67-1	4-Amino Biphenyl	10	UJ
60-11-7	P-Dimethylaminoazobenzene	10	U
57-97-6	7,12-Dimethyl Benzo(A)Anthrac	10	UJ
95-94-3	1,2,4,5-Tetrachlorobenzene	10	U

ORGANICS ANALYSIS DATA SHEET

TOOSW21W

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PLG4

Matrix: (soil/water) WATER Lab Sample ID: P167659

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP07259108

Level: (low/med) LOW Date Received: 07/07/91

% Moisture: not dec. _____ dec. _____ Date Extracted: 07/11/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 07/25/91

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
205-99-2	Benzo(b)Fluoranthene	10	U
207-08-9	Benzo(k)Fluoranthene	10	U
50-32-8	Benzo(a)Pyrene	10	U
193-39-5	Indeno(1,2,3-cd)Pyrene	10	U
53-70-3	Dibenzo(a,h)Anthracene	10	U
191-24-2	Benzo(g,h,i)Perylene	10	U
58-90-2	2,3,4,6-Tetrachlorophenol	10	U
109-06-8	Pyridine, 2-Methyl (2-Picolin	10	U
62-50-0	Methanesulfonic acid, Ethyl	10	U
100-75-4	N-Nitrosopiperidine	10	U
87-65-0	2,6-Dichlorophenol	10	U
924-16-3	N-Nitroso-di-n-butylamine	10	U
66-27-3	Methanesulfonic acid, Methyl	10	~~U~~ UJ
98-86-2	Acetophenone	10	U
122-09-8	A,A-Dimethylphenylamine	10	U
608-93-5	Pentachlorobenzene	10	U
92-67-1	4-Amino Biphenyl	10	~~U~~ UJ
60-11-7	P-Dimethylaminoazobenzene	10	U
57-97-6	7,12-Dimethyl Benzo(A)Anthrac	10	~~U~~ UJ
95-94-3	1,2,4,5-Tetrachlorobenzene	10	U

ORGANICS ANALYSIS DATA SHEET

TCCSW21W0001

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG4

Matrix: (soil/water) WATER Lab Sample ID: P167659

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP07259108

Level: (low/med) LOW Date Received: 07/07/91

% Moisture: not dec. _____ dec. _____ Date Extracted: 07/11/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 07/25/91

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
122-39-4	Diphenylamine	10	U
62-44-2	Phenacetin	10	U
56-49-5	3-Methylcholanthrene	10	U
23950-58-5	Pronamide	10	U
106-50-3	1,4-Benzenediamine	50	U
120-58-1	Isosafrole	10	U
91-59-8	2-Naphthaleneamine	10	U
99-55-8	5-Nitro-O-Toluidine	10	U
56-57-5	4-Nitroquinoline-1-Oxide	50	U
91-80-5	Methapyrilene	10	U
53-96-3	2-Acetylaminofluorene	10	U
10595-95-6	N-Nitrosomethylethylamine	10	U
55-18-5	N-Nitrosodiethylamine	10	U
930-55-2	N-Nitrosopyrrolidine	10	U
58-89-2	N-Nitrosomorpholine	10	U
95-53-4	O-Toluidine	10	U
126-68-1	O,O,O,-Triethylphosphorthioat	50	U
82-68-8	Pentachloronitrobenzene	50	U
94-59-7	Safrole	10	U
130-15-4	1,4-Napthoquinone	10	U

ORGANICS ANALYSIS DATA SHEET

TCCSW21W0001

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG4

Matrix: (soil/water) WATER Lab Sample ID: P167659

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP07259108

Level: (low/med) LOW Date Received: 07/07/91

% Moisture: not dec. _____ dec. _____ Date Extracted: 07/11/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 07/25/91

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
122-39-4	Diphenylamine	10	U
62-44-2	Phenacetin	10	U
56-49-5	3-Methylcholanthrene	10	U
23950-58-5	Pronamide	10	U
106-50-3	1,4-Benzenediamine	50	U
120-58-1	Isosafrole	10	U
91-59-8	2-Naphthaleneamine	10	U
99-55-8	5-Nitro-O-Toluidine	10	U
56-57-5	4-Nitroquinoline-1-Oxide	50	U
91-80-5	Methapyrilene	10	U
53-96-3	2-Acetylaminofluorene	10	U
10595-95-6	N-Nitrosomethylethylamine	10	U
55-18-5	N-Nitrosodiethylamine	10	U
930-55-2	N-Nitrosopyrrolidine	10	U
58-89-2	N-Nitrosomorpholine	10	U
95-53-4	O-Toluidine	10	U
126-68-1	O,O,O,-Triethylphosphorthioat	50	U
82-68-8	Pentachloronitrobenzene	50	U
94-59-7	Safrole	10	U
130-15-4	1,4-Napthoquinone	10	U

TCCSW21W0001

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG4

Matrix: (soil/water) WATER Lab Sample ID: P167659

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP07259108

Level: (low/med) LOW Date Received: 07/07/91

% Moisture: not dec. ____ dec. ____ Date Extracted: 07/11/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 07/25/91

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
99-35-4	1,3,5-Trinitrobenzene	50	U
1888-71-7	Hexachloropropene	50	U
99-65-0	1,3-Dinitrobenzene	50	U
91-94-1	3,3'-Dimethylbenzidine	50	U
70-30-4	Hexachlorophene	50	U
61-51-5	Dimethoate	10	U
2303-16-4	Diallate	10	U
110-86-1	Pyridine	10	U
140-57-8	Aramite	50	~~U~~ U
88-85-7	2-Secbutyl-4,6-Dinitrophenol	10	U
108-39-4	M-Cresol	10	U

TCCSW21W0001

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG4

Matrix: (soil/water) WATER Lab Sample ID: P167659

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP07259108

Level: (low/med) LOW Date Received: 07/07/91

% Moisture: not dec. _____ dec. _____ Date Extracted: 07/11/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 07/25/91

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
99-35-4	1,3,5-Trinitrobenzene	50	U
1888-71-7	Hexachloropropene	50	U
99-65-0	1,3-Dinitrobenzene	50	U
91-94-1	3,3'-Dimethylbenzidine	50	U
70-30-4	Hexachlorophene	50	U
61-51-5	Dimethoate	10	U
2303-16-4	Diallate	10	U
110-86-1	Pyridine	10	U
140-57-8	Aramite	50	~~U~~ U
88-85-7	2-Secbutyl-4,6-Dinitrophenol	10	U
108-39-4	M-Cresol	10	U

E-7

VOLATILE ORGANIC COMPOUNDS IN SURFACE WATER - JULY 1991

E-7

VOLATILE ORGANIC COMPOUNDS IN SURFACE WATER - JULY 1991

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ORGANICS ANALYSIS DATA SHEET

SAMPLE NO

TKCSW01W0001

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG1

Matrix: (soil/water) WATER Lab Sample ID: P167575

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: DVP07179101

Level: (low/med) LOW Date Received: 07/04/91

% Moisture: not dec. ____ Date Analyzed: 07/17/91

Column Type: (Pack/Cap/Wide) CAP Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	5	U
67-64-1	Acetone	10	~~U~~ UJ
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U

1X

ORGANICS ANALYSIS DATA SHEET

SAMPLE NO

TKCSW01W0001

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG1

Matrix: (soil/water) WATER Lab Sample ID: P167575

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: DVP07179101

Level: (low/med) LOW Date Received: 07/04/91

% Moisture: not dec. _____ Date Analyzed: 07/17/91

Column Type: (Pack/Cap/Wide) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	5	U
67-64-1	Acetone	10	~~U~~ UJ
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U

ORGANICS ANALYSIS DATA SHEET

TRCSW01W000

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG1

Matrix: (soil/water) WATER Lab Sample ID: P167575

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: DVP07179101

Level: (low/med) LOW Date Received: 07/04/91

% Moisture: not dec. ____ Date Analyzed: 07/17/91

Column Type: (Pack/Cap/Wide) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U
107-02-8	Arolein	100	U
107-13-1	Acrylonitrile	100	U
91-59-8	2-Naphthaleneamine	5	U
75-71-8	Dichlorodifluoromethane	5	U
74-88-4	Iodomethane	5	U
74-95-3	Dibromomethane	10	U
97-63-2	Ethyl methacrylate	5	U
96-18-4	1,2,3-Trichloropropane	5	U
764-41-0	1,4-Dichloro-2-butene	10	U
107-05-1	Allyl Chloride	5	U
107-12-0	Propionitrile	10	U
126-98-7	Methacrylonitrile	5	U
80-62-6	Methylmethacrylate	10	U
106-93-4	1,2-Dibromoethane	5	U
630-20-6	1,1,1,2-Tetrachloroethane	5	U
76-01-7	Pentachloroethane	5	U

ORGANICS ANALYSIS DATA SHEET

TRCSW01W000

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNR SAS No.: _____ SDG No.: PKG1

Matrix: (soil/water) WATER Lab Sample ID: P167575

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: DVP07179101

Level: (low/med) LOW Date Received: 07/04/91

% Moisture: not dec. ____ Date Analyzed: 07/17/91

Column Type: (Pack/Cap/Wide) CAP Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U
107-02-8	Arolein	100	U
107-13-1	Acrylonitrile	100	U
91-59-8	2-Naphthaleneamine	5	U
75-71-8	Dichlorodifluoromethane	5	U
74-88-4	Iodomethane	5	U
74-95-3	Dibromomethane	10	U
97-63-2	Ethyl methacrylate	5	U
96-18-4	1,2,3-Trichloropropane	5	U
764-41-0	1,4-Dichloro-2-butene	10	U
107-05-1	Allyl Chloride	5	U
107-12-0	Propionitrile	10	U
126-98-7	Methacrylonitrile	5	U
80-62-6	Methylmethacrylate	10	U
106-93-4	1,2-Dibromoethane	5	U
630-20-6	1,1,1,2-Tetrachloroethane	5	U
76-01-7	Pentachloroethane	5	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE N

TKCSW01W000

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG1

Matrix: (soil/water) WATER Lab Sample ID: P167575

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: DVP07179101

Level: (low/med) LOW Date Received: 07/04/91

% Moisture: not dec. ____ Date Analyzed: 07/17/91

Column Type: (Pack/Cap/Wide) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
----------	1,2-Dibromo-3-Chloropropane	10	U

1X

ORGANICS ANALYSIS DATA SHEET

SAMPLE N

TKCSW01W000

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG1

Matrix: (soil/water) WATER Lab Sample ID: P167575

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: DVP07179101

Level: (low/med) LOW Date Received: 07/04/91

% Moisture: not dec. ____ Date Analyzed: 07/17/91

Column Type: (Pack/Cap/Wide) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
----------	1,2-Dibromo-3-Chloropropane	10	U

1X

ORGANICS ANALYSIS DATA SHEET

SAMPLE NO

TKCSW05W0001

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG4

Matrix: (soil/water) WATER Lab Sample ID: P167660

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: DVP07179109

Level: (low/med) LOW Date Received: 07/08/91

% Moisture: not dec. ____ Date Analyzed: 07/17/91

Column Type: (Pack/Cap/Wide) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	5	U
67-64-1	Acetone	10	~~U~~ UJ
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U

1X

ORGANICS ANALYSIS DATA SHEET

SAMPLE NO

TKCSW05W0001

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG4

Matrix: (soil/water) WATER Lab Sample ID: P167660

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: DVP07179109

Level: (low/med) LOW Date Received: 07/08/91

% Moisture: not dec. ____ Date Analyzed: 07/17/91

Column Type: (Pack/Cap/Wide) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	5	U
67-64-1	Acetone	10	~~U~~ UJ
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U

1X

ORGANICS ANALYSIS DATA SHEET

SAMPLE NO

TKCSW05W0001

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG4

Matrix: (soil/water) WATER Lab Sample ID: P167660

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: DVP07179109

Level: (low/med) LOW Date Received: 07/08/91

% Moisture: not dec. ____ Date Analyzed: 07/17/91

Column Type: (Pack/Cap/Wide) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U
107-02-8	Arolein	100	U
107-13-1	Acrylonitrile	100	U
91-59-8	2-Naphthaleneamine	5	U
75-71-8	Dichlorodifluoromethane	5	U
74-88-4	Iodomethane	5	U
74-95-3	Dibromomethane	10	U
97-63-2	Ethyl methacrylate	5	U
96-18-4	1,2,3-Trichloropropane	5	U
764-41-0	1,4-Dichloro-2-butene	10	U
107-05-1	Allyl Chloride	5	U
107-12-0	Propionitrile	10	U
126-98-7	Methacrylonitrile	5	U
80-62-6	Methylmethacrylate	10	U
106-93-4	1,2-Dibromoethane	5	U
630-20-6	1,1,1,2-Tetrachloroethane	5	U
76-01-7	Pentachloroethane	5	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO

TKCSW05W0001

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG4

Matrix: (soil/water) WATER Lab Sample ID: P167660

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: DVP07179109

Level: (low/med) LOW Date Received: 07/08/91

% Moisture: not dec. ____ Date Analyzed: 07/17/91

Column Type: (Pack/Cap/Wide) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U
107-02-8	Arolein	100	U
107-13-1	Acrylonitrile	100	U
91-59-8	2-Naphthaleneamine	5	U
75-71-8	Dichlorodifluoromethane	5	U
74-88-4	Iodomethane	5	U
74-95-3	Dibromomethane	10	U
97-63-2	Ethyl methacrylate	5	U
96-18-4	1,2,3-Trichloropropane	5	U
764-41-0	1,4-Dichloro-2-butene	10	U
107-05-1	Allyl Chloride	5	U
107-12-0	Propionitrile	10	U
126-98-7	Methacrylonitrile	5	U
80-62-6	Methylmethacrylate	10	U
106-93-4	1,2-Dibromoethane	5	U
630-20-6	1,1,1,2-Tetrachloroethane	5	U
76-01-7	Pentachloroethane	5	U

1X

ORGANICS ANALYSIS DATA SHEET

SAMPLE NO

TKCSW05' 001

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG4

Matrix: (soil/water) WATER Lab Sample ID: P167660

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: DVP07179109

Level: (low/med) LOW Date Received: 07/08/91

% Moisture: not dec. ____ Date Analyzed: 07/17/91

Column Type: (Pack/Cap/Wide) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
----------	1,2-Dibromo-3-Chloropropane	10	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO

TKCSW05' 001

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG4

Matrix: (soil/water) WATER Lab Sample ID: P167660

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: DVP07179109

Level: (low/med) LOW Date Received: 07/08/91

% Moisture: not dec. ____ Date Analyzed: 07/17/91

Column Type: (Pack/Cap/Wide) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
	1,2-Dibromo-3-Chloropropane	10	U

1X

ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TCCSW06W000

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG1

Matrix: (soil/water) WATER Lab Sample ID: P167572

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: DVP07179103

Level: (low/med) LOW Date Received: 07/05/91

% Moisture: not dec. ____ Date Analyzed: 07/17/91

Column Type: (Pack/Cap/Wide) CAP Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	5	U
67-64-1	Acetone	10	~~U~~ UJ
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U

1X

ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TCCSW06W000

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG1

Matrix: (soil/water) WATER Lab Sample ID: P167572

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: DVP07179103

Level: (low/med) LOW Date Received: 07/05/91

% Moisture: not dec. ____ Date Analyzed: 07/17/91

Column Type: (Pack/Cap/Wide) CAP Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	5	U
67-64-1	Acetone	10	~~U~~ UJ
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U

ORGANICS ANALYSIS DATA SHEET

TCCSW06W0001

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG1

Matrix: (soil/water) WATER Lab Sample ID: P167572

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: DVP07179103

Level: (low/med) LOW Date Received: 07/05/91

% Moisture: not dec. ____ Date Analyzed: 07/17/91

Column Type: (Pack/Cap/Wide) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U
107-02-8	Arolein	100	U
107-13-1	Acrylonitrile	100	U
91-59-8	2-Naphthaleneamine	5	U
75-71-8	Dichlorodifluoromethane	5	U
74-88-4	Iodomethane	5	U
74-95-3	Dibromomethane	10	U
97-63-2	Ethyl methacrylate	5	U
96-18-4	1,2,3-Trichloropropane	5	U
764-41-0	1,4-Dichloro-2-butene	10	U
107-05-1	Allyl Chloride	5	U
107-12-0	Propionitrile	10	U
126-98-7	Methacrylonitrile	5	U
80-62-6	Methylmethacrylate	10	U
106-93-4	1,2-Dibromoethane	5	U
630-20-6	1,1,1,2-Tetrachloroethane	5	U
76-01-7	Pentachloroethane	5	U

ORGANICS ANALYSIS DATA SHEET

TCCSW06W0001

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG1

Matrix: (soil/water) WATER Lab Sample ID: P167572

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: DVP07179103

Level: (low/med) LOW Date Received: 07/05/91

% Moisture: not dec. ____ Date Analyzed: 07/17/91

Column Type: (Pack/Cap/Wide) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U
107-02-8	Arolein	100	U
107-13-1	Acrylonitrile	100	U
91-59-8	2-Naphthaleneamine	5	U
75-71-8	Dichlorodifluoromethane	5	U
74-88-4	Iodomethane	5	U
74-95-3	Dibromomethane	10	U
97-63-2	Ethyl methacrylate	5	U
96-18-4	1,2,3-Trichloropropane	5	U
764-41-0	1,4-Dichloro-2-butene	10	U
107-05-1	Allyl Chloride	5	U
107-12-0	Propionitrile	10	U
126-98-7	Methacrylonitrile	5	U
80-62-6	Methylmethacrylate	10	U
106-93-4	1,2-Dibromoethane	5	U
630-20-6	1,1,1,2-Tetrachloroethane	5	U
76-01-7	Pentachloroethane	5	U

1X

ORGANICS ANALYSIS DATA SHEET

SAMPLE N

TCCSW06W00C

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG1

Matrix: (soil/water) WATER Lab Sample ID: P167572

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: DVP07179103

Level: (low/med) LOW Date Received: 07/05/91

% Moisture: not dec. ____ Date Analyzed: 07/17/91

Column Type: (Pack/Cap/Wide) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
----------	1,2-Dibromo-3-Chloropropane	10	U

1X

ORGANICS ANALYSIS DATA SHEET

SAMPLE N

TCCSW06W00C

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG1

Matrix: (soil/water) WATER Lab Sample ID: P167572

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: DVP07179103

Level: (low/med) LOW Date Received: 07/05/91

% Moisture: not dec. ____ Date Analyzed: 07/17/91

Column Type: (Pack/Cap/Wide) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
----------	1,2-Dibromo-3-Chloropropane	10	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TCCSW06L

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG1

Matrix: (soil/water) WATER Lab Sample ID: P167573

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: DVP07179104

Level: (low/med) LOW Date Received: 07/05/91

% Moisture: not dec. ____ Date Analyzed: 07/17/91

Column Type: (Pack/Cap/Wide) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	5	U
67-64-1	Acetone	10	~~U~~ UJ
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TCCSW06L

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG1

Matrix: (soil/water) WATER Lab Sample ID: P167573

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: DVP07179104

Level: (low/med) LOW Date Received: 07/05/91

% Moisture: not dec. ____ Date Analyzed: 07/17/91

Column Type: (Pack/Cap/Wide) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	5	U
67-64-1	Acetone	10	~~U~~ UJ
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U

ORGANICS ANALYSIS DATA SHEET

TECSW06C0001

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG1

Matrix: (soil/water) WATER Lab Sample ID: P167573

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: DVP07179104

Level: (low/med) LOW Date Received: 07/05/91

% Moisture: not dec. ____ Date Analyzed: 07/17/91

Column Type: (Pack/Cap/Wide) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U
107-02-8	Arolein	100	U
107-13-1	Acrylonitrile	100	U
91-59-8	2-Naonthaleneamine	5	U
75-71-8	Dichlorodifluoromethane	5	U
74-88-4	Iodomethane	5	U
74-95-3	Dibromomethane	10	U
97-63-2	Ethyl methacrylate	5	U
96-18-4	1,2,3-Trichloropropane	5	U
764-41-0	1,4-Dichloro-2-butene	10	U
107-05-1	Allyl Chloride	5	U
107-12-0	Propionitrile	10	U
126-98-7	Methacrylonitrile	5	U
80-62-6	Methylmethacrylate	10	U
106-93-4	1,2-Dibromoethane	5	U
630-20-6	1,1,1,2-Tetrachloroethane	5	U
76-01-7	Pentachloroethane	5	U

ORGANICS ANALYSIS DATA SHEET

TCCSW06C0001

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG1

Matrix: (soil/water) WATER Lab Sample ID: P167573

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: DVP07179104

Level: (low/med) LOW Date Received: 07/05/91

% Moisture: not dec. ____ Date Analyzed: 07/17/91

Column Type: (Pack/Cap/Wide) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U
107-02-8	Arolein	100	U
107-13-1	Acrylonitrile	100	U
91-59-8	2-Naphthaleneamine	5	U
75-71-8	Dichlorodifluoromethane	5	U
74-88-4	Iodomethane	5	U
74-95-3	Dibromomethane	10	U
97-63-2	Ethyl methacrylate	5	U
96-18-4	1,2,3-Trichloropropane	5	U
764-41-0	1,4-Dichloro-2-butene	10	U
107-05-1	Allyl Chloride	5	U
107-12-0	Propionitrile	10	U
126-98-7	Methacrylonitrile	5	U
80-62-6	Methylmethacrylate	10	U
106-93-4	1,2-Dibromoethane	5	U
630-20-6	1,1,1,2-Tetrachloroethane	5	U
76-01-7	Pentachloroethane	5	U

1X

ORGANICS ANALYSIS DATA SHEET

SAMPLE N

TCCSW06C000

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG

Matrix: (soil/water) WATER Lab Sample ID: P167573

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: DVP07179104

Level: (low/med) LOW Date Received: 07/05/91

% Moisture: not dec. ____ Date Analyzed: 07/17/91

Column Type: (Pack/Cap/Wide) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
----------	1,2-Dibromo-3-Chloropropane	10	U

1X

ORGANICS ANALYSIS DATA SHEET

SAMPLE N

TCCSW06C000

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG

Matrix: (soil/water) WATER Lab Sample ID: P167573

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: DVP07179104

Level: (low/med) LOW Date Received: 07/05/91

% Moisture: not dec. ____ Date Analyzed: 07/17/91

Column Type: (Pack/Cap/Wide) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
	1,2-Dibromo-3-Chloropropane	10	U

1X

ORGANICS ANALYSIS DATA SHEET

SAMPLE NO

TCCSW11W000

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG4

Matrix: (soil/water) WATER Lab Sample ID: P167662

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: DVP07179110

Level: (low/med) LOW Date Received: 07/07/91

% Moisture: not dec. _____ Date Analyzed: 07/17/91

Column Type: (Pack/Cap/Wide) CAP Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	5	U
67-64-1	Acetone	10	~~U~~ UJ
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U

1X

ORGANICS ANALYSIS DATA SHEET

SAMPLE NO

TCCSW11W000

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG4

Matrix: (soil/water) WATER Lab Sample ID: P167662

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: DVP07179110

Level: (low/med) LOW Date Received: 07/07/91

% Moisture: not dec. _____ Date Analyzed: 07/17/91

Column Type: (Pack/Cap/Wide) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	5	U
67-64-1	Acetone	10	~~U~~ UJ
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U

SAMPLE

ORGANICS ANALYSIS DATA SHEET

TCCSW11W000

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG

Matrix: (soil/water) WATER Lab Sample ID: P167662

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: DVP07179110

Level: (low/med) LOW Date Received: 07/07/91

% Moisture: not dec. ____ Date Analyzed: 07/17/91

Column Type: (Pack/Cap/Wide) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U
107-02-8	Arolein	100	U
107-13-1	Acrylonitrile	100	U
91-59-8	2-Naphthaleneamine	5	U
75-71-8	Dichlorodifluoromethane	5	U
74-88-4	Iodomethane	5	U
74-95-3	Dibromomethane	10	U
97-63-2	Ethyl methacrylate	5	U
96-18-4	1,2,3-Trichloropropane	5	U
764-41-0	1,4-Dichloro-2-butene	10	U
107-05-1	Allyl Chloride	5	U
107-12-0	Propionitrile	10	U
126-98-7	Methacrylonitrile	5	U
80-62-6	Methylmethacrylate	10	U
106-93-4	1,2-Dibromoethane	5	U
630-20-6	1,1,1,2-Tetrachloroethane	5	U
76-01-7	Pentachloroethane	5	U

SAMPLE

ORGANICS ANALYSIS DATA SHEET

TCCSW11W000

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG

Matrix: (soil/water) WATER Lab Sample ID: P167662

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: DVP07179110

Level: (low/med) LOW Date Received: 07/07/91

% Moisture: not dec. ____ Date Analyzed: 07/17/91

Column Type: (Pack/Cap/Wide) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U
107-02-8	Arolein	100	U
107-13-1	Acrylonitrile	100	U
91-59-8	2-Naphthaleneamine	5	U
75-71-8	Dichlorodifluoromethane	5	U
74-88-4	Iodomethane	5	U
74-95-3	Dibromomethane	10	U
97-63-2	Ethyl methacrylate	5	U
96-18-4	1,2,3-Trichloropropane	5	U
764-41-0	1,4-Dichloro-2-butene	10	U
107-05-1	Allyl Chloride	5	U
107-12-0	Propionitrile	10	U
126-98-7	Methacrylonitrile	5	U
80-62-6	Methylmethacrylate	10	U
106-93-4	1,2-Dibromoethane	5	U
630-20-6	1,1,1,2-Tetrachloroethane	5	U
76-01-7	Pentachloroethane	5	U

1X

ORGANICS ANALYSIS DATA SHEET

SAMPLE NO

TCCSW11W0001

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG4

Matrix: (soil/water) WATER Lab Sample ID: P167662

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: DVP07179110

Level: (low/med) LOW Date Received: 07/07/91

% Moisture: not dec. ____ Date Analyzed: 07/17/91

Column Type: (Pack/Cap/Wide) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
	1,2-Dibromo-3-Chloropropane	10	U

1X

ORGANICS ANALYSIS DATA SHEET

SAMPLE NO

TCCSW11W0001

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG4

Matrix: (soil/water) WATER Lab Sample ID: P167662

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: DVP07179110

Level: (low/med) LOW Date Received: 07/07/91

% Moisture: not dec. ____ Date Analyzed: 07/17/91

Column Type: (Pack/Cap/Wide) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
----------	1,2-Dibromo-3-Chloropropane	10	U

1X

ORGANICS ANALYSIS DATA SHEET

SAMPLE NO

TCCSW16W001

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG4

Matrix: (soil/water) WATER Lab Sample ID: P167663

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: DVP07179111

Level: (low/med) LOW Date Received: 07/07/91

% Moisture: not dec. ____ Date Analyzed: 07/17/91

Column Type: (Pack/Cap/Wide) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	5	U
67-64-1	Acetone	10	~~U~~ UJ
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U

1X

ORGANICS ANALYSIS DATA SHEET

SAMPLE NO

TCCSW16W001

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG4

Matrix: (soil/water) WATER Lab Sample ID: P167663

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: DVP07179111

Level: (low/med) LOW Date Received: 07/07/91

% Moisture: not dec. ____ Date Analyzed: 07/17/91

Column Type: (Pack/Cap/Wide) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	5	U
67-64-1	Acetone	10	~~U~~ UJ
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U

1X

ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TCCSW16W0001

e: NUS-LSG Contract: _____

de: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG4

x: (soil/water) WATER Lab Sample ID: P16766J

,le wt/vol: 5.0 (g/mL) ML Lab File ID: DVP07179111

,el: (low/med) LOW Date Received: 07/07/91

Moisture: not dec. ____ Date Analyzed: 07/17/91

Column Type: (Pack/Cap/Wide) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U
107-02-8	Arolein	100	U
107-13-1	Acrylonitrile	100	U
91-59-8	2-Naphthaleneamine	5	U
75-71-8	Dichlorodifluoromethane	5	U
74-88-4	Iodomethane	5	U
74-95-3	Dibromomethane	10	U
97-63-2	Ethyl methacrylate	5	U
96-18-4	1,2,3-Trichloropropane	5	U
764-41-0	1,4-Dichloro-2-butene	10	U
107-05-1	Allyl Chloride	5	U
107-12-0	Propionitrile	10	U
126-98-7	Methacrylonitrile	5	U
80-62-6	Methylmethacrylate	10	U
106-93-4	1,2-Dibromoethane	5	U
630-20-6	1,1,1,2-Tetrachloroethane	5	U
76-01-7	Pentachloroethane	5	U

1X

ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TCCSW16W0001

e: NUS-LSG Contract: _____

de: NUS-LSG Case No.: TNM SAS No.: _____ SDG No.: PKG4

x: (soil/water) WATER Lab Sample ID: P167663

,le wt/vol: 5.0 (g/mL) ML Lab File ID: DVP07179111

,el: (low/med) LOW Date Received: 07/07/91

Moisture: not dec. ____ Date Analyzed: 07/17/91

Column Type: (Pack/Cap/Wide) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U
107-02-8	Arolein	100	U
107-13-1	Acrylonitrile	100	U
91-59-8	2-Naphthaleneamine	5	U
75-71-8	Dichlorodifluoromethane	5	U
74-88-4	Iodomethane	5	U
74-95-3	Dibromomethane	10	U
97-63-2	Ethyl methacrylate	5	U
96-18-4	1,2,3-Trichloropropane	5	U
764-41-0	1,4-Dichloro-2-butene	10	U
107-05-1	Allyl Chloride	5	U
107-12-0	Propionitrile	10	U
126-98-7	Methacrylonitrile	5	U
80-62-6	Methylmethacrylate	10	U
106-93-4	1,2-Dibromoethane	5	U
630-20-6	1,1,1,2-Tetrachloroethane	5	U
76-01-7	Pentachloroethane	5	U

1X

ORGANICS ANALYSIS DATA SHEET

SAMPLE NO

TCCSW16W000

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG4

Matrix: (soil/water) WATER Lab Sample ID: P167663

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: DVP07179111

Level: (low/med) LOW Date Received: 07/07/91

% Moisture: not dec. _____ Date Analyzed: 07/17/91

Column Type: (Pack/Cap/Wide) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
	1,2-Dibromo-3-Chloropropane	10	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO

TCCSW16W000

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS-LSG Case No.: TNK SAS No.: _____ SDG No.: PKG4

Matrix: (soil/water) WATER Lab Sample ID: P167663

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: DVP07179111

Level: (low/med) LOW Date Received: 07/07/91

% Moisture: not dec. ____ Date Analyzed: 07/17/91

Column Type: (Pack/Cap/Wide) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
	1,2-Dibromo-3-Chloropropane	10	U

E-8

PESTICIDES / POLYCHLORINATED BIPHENYLS IN SURACE WATER - JULY 1991

E-8

PESTICIDES / POLYCHLORINATED BIPHENYLS IN SURACE WATER - JULY 1991

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

TKCSW01W0001

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS Case No.: TNK SAS No.: _____ SDG No.: PKG1

Matrix: (soil/water) WATER Lab Sample ID: P167561

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

Level: (low/med) LOW Date Received: 07/04/91

% Moisture: not dec. __ dec. __ Date Extracted: 07/09/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 07/17/91

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	Lindane	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
5103-71-9	alpha-Chlordane	0.50	U
5103-74-2	gamma-Chlordane	0.50	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.50	U
11104-28-2	Aroclor-1221	0.50	U
11141-16-5	Aroclor-1232	0.50	U
53469-21-9	Aroclor-1242	0.50	U
12672-29-6	Aroclor-1248	0.50	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

TKCSW01W0001

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS Case No.: TNK SAS No.: _____ SDG No.: PKG1

Matrix: (soil/water) WATER Lab Sample ID: P167561

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

Level: (low/med) LOW Date Received: 07/04/91

% Moisture: not dec. __ dec. __ Date Extracted: 07/09/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 07/17/91

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	Lindane	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
5103-71-9	alpha-Chlordane	0.50	U
5103-74-2	gamma-Chlordane	0.50	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.50	U
11104-28-2	Aroclor-1221	0.50	U
11141-16-5	Aroclor-1232	0.50	U
53469-21-9	Aroclor-1242	0.50	U
12672-29-6	Aroclor-1248	0.50	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TCCSW06W

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS Case No.: TNK SAS No.: _____ SDG No.: PKG1

Matrix: (soil/water) WATER Lab Sample ID: P167572

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

Level: (low/med) LOW Date Received: 07/05/91

% Moisture: not dec. __ dec. __ Date Extracted: 07/09/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 07/17/91

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.00

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	Lindane	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
5103-71-9	alpha-Chlordane	0.50	U
5103-74-2	gamma-Chlordane	0.50	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.50	U
11104-28-2	Aroclor-1221	0.50	U
11141-16-5	Aroclor-1232	0.50	U
53469-21-9	Aroclor-1242	0.50	U
12672-29-6	Aroclor-1248	0.50	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TCCSW06W

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS Case No.: TNK SAS No.: _____ SDG No.: PKG1

Matrix: (soil/water) WATER Lab Sample ID: P167572

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

Level: (low/med) LOW Date Received: 07/05/91

% Moisture: not dec. __ dec. __ Date Extracted: 07/09/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 07/17/91

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	Lindane	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
5103-71-9	alpha-Chlordane	0.50	U
5103-74-2	gamma-Chlordane	0.50	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.50	U
11104-28-2	Aroclor-1221	0.50	U
11141-16-5	Aroclor-1232	0.50	U
53469-21-9	Aroclor-1242	0.50	U
12672-29-6	Aroclor-1248	0.50	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TCCSW06C0001

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS Case No.: TNK SAS No.: _____ SDG No.: PKG1

Matrix: (soil/water) WATER Lab Sample ID: P167573

Sample wt/vol: 500.0 (g/mL) ML Lab File ID: _____

Level: (low/med) LOW Date Received: 07/05/91

% Moisture: not dec. __ dec. __ Date Extracted: 07/09/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 07/18/91

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	Lindane	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
5103-71-9	alpha-Chlordane	0.50	U
5103-74-2	gamma-Chlordane	0.50	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.50	U
11104-28-2	Aroclor-1221	0.50	U
11141-16-5	Aroclor-1232	0.50	U
53469-21-9	Aroclor-1242	0.50	U
12672-29-6	Aroclor-1248	0.50	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TCCSW06C0001

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS Case No.: TNK SAS No.: _____ SDG No.: PKG1

Matrix: (soil/water) WATER Lab Sample ID: P167573

Sample wt/vol: 500.0 (g/mL) ML Lab File ID: _____

Level: (low/med) LOW Date Received: 07/05/91

% Moisture: not dec. ___ dec. ___ Date Extracted: 07/09/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 07/18/91

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	Lindane	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
5103-71-9	alpha-Chlordane	0.50	U
5103-74-2	gamma-Chlordane	0.50	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.50	U
11104-28-2	Aroclor-1221	0.50	U
11141-16-5	Aroclor-1232	0.50	U
53469-21-9	Aroclor-1242	0.50	U
12672-29-6	Aroclor-1248	0.50	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

TCCSW15W0001

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS Case No.: TNK SAS No.: _____ SDG No.: PKG4

Matrix: (soil/water) WATER Lab Sample ID: P167651

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

Level: (low/med) LOW Date Received: 07/07/91

% Moisture: not dec. __ dec. __ Date Extracted: 07/11/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 07/23/91

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	Lindane	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
5103-71-9	alpha-Chlordane	0.50	U
5103-74-2	gamma-Chlordane	0.50	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.50	U
11104-28-2	Aroclor-1221	0.50	U
11141-16-5	Aroclor-1232	0.50	U
53469-21-9	Aroclor-1242	0.50	U
12672-29-6	Aroclor-1248	0.50	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

TCCSW15W0001

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS Case No.: TNK SAS No.: _____ SDG No.: PKG4

Matrix: (soil/water) WATER Lab Sample ID: P167651

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

Level: (low/med) LOW Date Received: 07/07/91

% Moisture: not dec. __ dec. __ Date Extracted: 07/11/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 07/23/91

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	Lindane	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
5103-71-9	alpha-Chlordane	0.50	U
5103-74-2	gamma-Chlordane	0.50	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.50	U
11104-28-2	Aroclor-1221	0.50	U
11141-16-5	Aroclor-1232	0.50	U
53469-21-9	Aroclor-1242	0.50	U
12672-29-6	Aroclor-1248	0.50	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

TECSW22W0001

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS Case No.: TNK SAS No.: _____ SDG No.: PKG1

Matrix: (soil/water) WATER Lab Sample ID: P167577

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

Level: (low/med) LOW Date Received: 07/04/91

% Moisture: not dec. __ dec. __ Date Extracted: 07/09/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 07/18/91

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	Lindane	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
5103-71-9	alpha-Chlordane	0.50	U
5103-74-2	gamma-Chlordane	0.50	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.50	U
11104-28-2	Aroclor-1221	0.50	U
11141-16-5	Aroclor-1232	0.50	U
53469-21-9	Aroclor-1242	0.50	U
12672-29-6	Aroclor-1248	0.50	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TECSW22W0001

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS Case No.: TNK SAS No.: _____ SDG No.: PKG1

Matrix: (soil/water) WATER Lab Sample ID: P167577

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

Level: (low/med) LOW Date Received: 07/04/91

% Moisture: not dec. __ dec. __ Date Extracted: 07/09/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 07/18/91

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	Lindane	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
5103-71-9	alpha-Chlordane	0.50	U
5103-74-2	gamma-Chlordane	0.50	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.50	U
11104-28-2	Aroclor-1221	0.50	U
11141-16-5	Aroclor-1232	0.50	U
53469-21-9	Aroclor-1242	0.50	U
12672-29-6	Aroclor-1248	0.50	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

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E-9

CONTAINMENT INDICATOR COMPOUNDS IN SURFACE WATER - JULY 1991

E-9

CONTAINMENT INDICATOR COMPOUNDS IN SURFACE WATER - JULY 1991

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CLIENT ORIGINAL

HALLIBURTON NUS
Environmental Laboratories

PKG 1

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216-891-4700

August 07, 1991
Report No.: 00001844
Section A Page 1

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

SAMPLE ID: TKC-SW01-W-0001
NUS SAMPLE NO: P0167561
P.O. NO.:

DATE SAMPLED: 04-JUL-91
DATE RECEIVED: 06-JUL-91
APPROVED BY: J Simanic

LN	TEST CODE	DETERMINATION	RESULT	UNIT
3	ACLPW	TAL METALS & CLP DATA PACKAGE	DONE	
4	I023	Alkalinity, Total (as CaCO3)	150	mg/L
5	I120	COD(O2)	53	mg/L
6	I130	Chloride (Cl)	19 J	mg/L
7	I590	Solids, Dissolved at 180C	250	mg/L
8	I390	Nitrate (as N)	1.6	mg/L
9	I700	Specific Conductance at 25C	330	umhos/cm
10	I730	Sulfate, Turbidimetric (as SO4)	23	mg/L
11	I610	Solids, Suspended at 103C	20	mg/L
12	I620	Solids, Total at 103C	290	mg/L
13	I106	Carbon, Organic - Nonpurgeable	16 J	mg/L
16	OSVIXW	APPENDIX IX SEMIVOLATILES IN WATER		
		Data Package	DONE	
19	I285WC	CLP - Cyanide (CN)	10 u	ug/L
20	DPACK	CLP Data Package Deliverable	DONE	
21	G121WC	PESTICIDES + CLP DATA PACKAGE - WATER		
		Data Package - Pesticides	DONE	

COMMENTS:

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August 07, 1991
Report No.: 00001844
Section A Page 1

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

SAMPLE ID: TKC-SW01-W-0001
NUS SAMPLE NO: P0167561
P.O. NO.:

DATE SAMPLED: 04-JUL-91
DATE RECEIVED: 06-JUL-91
APPROVED BY: J Simanic

LN	TEST CODE	DETERMINATION	RESULT	UNIT
3	ACLPW	TAL METALS & CLP DATA PACKAGE	DONE	
4	I023	Alkalinity, Total (as CaCO3)	150	mg/L
5	I120	COD(O2)	53	mg/L
6	I130	Chloride (Cl)	19 J	mg/L
7	I590	Solids, Dissolved at 180C	250	mg/L
8	I390	Nitrate (as N)	1.6	mg/L
9	I700	Specific Conductance at 25C	330	umhos/cm
10	I730	Sulfate, Turbidimetric (as SO4)	23	mg/L
11	I610	Solids, Suspended at 103C	20	mg/L
12	I620	Solids, Total at 103C	290	mg/L
13	I106	Carbon, Organic - Nonpurgeable	16 J	mg/L
16	OSVIXW	APPENDIX IX SEMIVOLATILES IN WATER Data Package	DONE	
19	I265WC	CLP - Cyanide (CN)	10 u	ug/L
20	DPACK	CLP Data Package Deliverable	DONE	
21	G121WC	PESTICIDES + CLP DATA PACKAGE - WATER Data Package - Pesticides	DONE	

COMMENTS:

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August 07, 1991
Report No.: 00001844
Section A Page 18

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

SAMPLE ID: TKC-SW02-W-0001
NUS SAMPLE NO: P0167578
P.O. NO.:

DATE SAMPLED: 04-JUL-91
DATE RECEIVED: 06-JUL-91
APPROVED BY: J Simanic

LN	TEST CODE	DETERMINATION	RESULT	UNITS
3	ACLPW	TAL METALS & CLP DATA PACKAGE	DONE	
4	I023	Alkalinity, Total (as CaCO3)	110	mg/L
5	I120	COD(O2)	60	mg/L
6	I130	Chloride (Cl)	11 J	mg/L
7	I590	Solids, Dissolved at 180C	240	mg/L
8	I390	Nitrate (as N)	0.9	mg/L
9	I700	Specific Conductance at 25C	260	umhos/cm
10	I730	Sulfate, Turbidimetric (as SO4)	46	mg/L
11	I610	Solids, Suspended at 103C	13	mg/L
12	I620	Solids, Total at 103C	270	mg/L
13	I106	Carbon, Organic - Nonpurgeable	20 J	mg/L
14	I315	Halogens, Total Organic (TOX)	33 J	ug/L
15	I500	Phenolics	0.01	mg/L
16	DPACK	CLP Data Package Deliverable	DONE	

COMMENTS:

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August 07, 1991
Report No.: 00001844
Section A Page 18

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

SAMPLE ID: TKC-SW02-W-0001
NUS SAMPLE NO: P0167578
P.O. NO.:

DATE SAMPLED: 04-JUL-91
DATE RECEIVED: 06-JUL-91
APPROVED BY: J Simanic

LN	TEST CODE	DETERMINATION	RESULT	UNITS
3	ACLPW	TAL METALS & CLP DATA PACKAGE	DONE	
4	I023	Alkalinity, Total (as CaCO3)	110	mg/L
5	I120	COD(O2)	60	mg/L
6	I130	Chloride (Cl)	11 J	mg/L
7	I590	Solids, Dissolved at 180C	240	mg/L
8	I390	Nitrate (as N)	0.9	mg/L
9	I700	Specific Conductance at 25C	260	umhos/cm
10	I730	Sulfate, Turbidimetric (as SO4)	46	mg/L
11	I610	Solids, Suspended at 103C	13	mg/L
12	I620	Solids, Total at 103C	270	mg/L
13	I106	Carbon, Organic - Nonpurgeable	20 J	mg/L
14	I315	Halogens, Total Organic (TOX)	33 J	ug/L
15	I500	Phenolics	0.01	mg/L
16	DPACK	CLP Data Package Deliverable	DONE	

COMMENTS:

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Report No.: 00001844
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LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

SAMPLE ID: TKC-SW03-W-0001
NUS SAMPLE NO: P0167562
P.O. NO.:

DATE SAMPLED: 04-JUL-91
DATE RECEIVED: 06-JUL-91
APPROVED BY: J Simanic

LN	TEST CODE	DETERMINATION	RESULT	UNITS
3	ACLPW	TAL METALS & CLP DATA PACKAGE	DONE	
4	I023	Alkalinity, Total (as CaCO3)	200	mg/L
5	I120	COD(O2)	12	mg/L
6	I130	Chloride (Cl)	60 J	mg/L
7	I590	Solids, Dissolved at 180C	390	mg/L
8	I390	Nitrate (as N)	2.9	mg/L
9	I700	Specific Conductance at 25C	520	umhos/cm
10	I730	Sulfate, Turbidimetric (as SO4)	31	mg/L
11	I610	Solids, Suspended at 103C	< 10	mg/L
12	I620	Solids, Total at 103C	370	mg/L
13	I106	Carbon, Organic - Nonpurgeable	3 J	mg/L
14	I315	Halogens, Total Organic (TOX)	39 J	ug/L
15	I500	Phenolics	< 0.01	mg/L
17	DPACK	CLP Data Package Deliverable	DONE	

COMMENTS:

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Section A Page 2

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

SAMPLE ID: TKC-SW03-W-0001
NUS SAMPLE NO: P0167562
P.O. NO.:

DATE SAMPLED: 04-JUL-91
DATE RECEIVED: 06-JUL-91
APPROVED BY: J Simanic

LN	TEST CODE	DETERMINATION	RESULT	UNITS
3	ACLPW	TAL METALS & CLP DATA PACKAGE	DONE	
4	I023	Alkalinity, Total (as CaCO3)	200	mg/L
5	I120	COD(O2)	12	mg/L
6	I130	Chloride (Cl)	60 J	mg/L
7	I590	Solids, Dissolved at 180C	390	mg/L
8	I390	Nitrate (as N)	2.9	mg/L
9	I700	Specific Conductance at 25C	520	umhos/cm
10	I730	Sulfate, Turbidimetric (as SO4)	31	mg/L
11	I610	Solids, Suspended at 103C	< 10	mg/L
12	I620	Solids, Total at 103C	370	mg/L
13	I106	Carbon, Organic - Nonpurgeable	3 J	mg/L
14	I315	Halogens, Total Organic (TOX)	39 J	ug/L
15	I500	Phenolics	< 0.01	mg/L
17	DPACK	CLP Data Package Deliverable	DONE	

COMMENTS:

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August 07, 1991
Report No.: 00001844
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LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

SAMPLE ID: TKC-SW04-W-0001
NUS SAMPLE NO: P0167576
P.O. NO.:

DATE SAMPLED: 04-JUL-91
DATE RECEIVED: 06-JUL-91
APPROVED BY: J Simanic

LN	TEST CODE	DETERMINATION	RESULT	UNITS
3	ACLPW	TAL METALS & CLP DATA PACKAGE	DONE	
4	I023	Alkalinity, Total (as CaCO3)	150	mg/L
5	I120	COD(O2)	31	mg/L
6	I130	Chloride (Cl)	19 J	mg/l
7	I590	Solids, Dissolved at 180C	290	mg/L
8	I390	Nitrate (as N)	2.7	mg/L
9	I700	Specific Conductance at 25C	340	umhos/cm
10	I730	Sulfate, Turbidimetric (as SO4)	60	mg/L
11	I610	Solids, Suspended at 103C	< 10	mg/L
12	I620	Solids, Total at 103C	300	mg/L
13	I106	Carbon, Organic - Nonpurgeable	10 J	mg/L
14	I315	Halogens, Total Organic (TOX)	22 J	ug/L
15	I500	Phenolics	< 0.01	mg/L
16	DPACK	CLP Data Package Deliverable	DONE	

COMMENTS:

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August 07, 1991
Report No.: 00001844
Section A Page 16

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

SAMPLE ID: TKC-SW04-W-0001
NUS SAMPLE NO: P0167576
P.O. NO.:

DATE SAMPLED: 04-JUL-91
DATE RECEIVED: 06-JUL-91
APPROVED BY: J Simanic

LN	TEST CODE	DETERMINATION	RESULT	UNITS
3	ACLPW	TAL METALS & CLP DATA PACKAGE	DONE	
4	I023	Alkalinity, Total (as CaCO3)	150	mg/L
5	I120	COD(O2)	31	mg/L
6	I130	Chloride (Cl)	19 J	mg/l
7	I590	Solids, Dissolved at 180C	290	mg/L
8	I390	Nitrate (as N)	2.7	mg/L
9	I700	Specific Conductance at 25C	340	umhos/cm
10	I730	Sulfate, Turbidimetric (as SO4)	60	mg/L
11	I610	Solids, Suspended at 103C	< 10	mg/L
12	I620	Solids, Total at 103C	300	mg/L
13	I106	Carbon, Organic - Nonpurgeable	10 J	mg/L
14	I315	Halogens, Total Organic (TOX)	22 J	ug/L
15	I500	Phenolics	< 0.01	mg/L
16	DPACK	CLP Data Package Deliverable	DONE	

COMMENTS:

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August 07, 1991
Report No.: 00001846
Section A Page 24

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

SAMPLE ID: TKC-SW05-W-0001
NUS SAMPLE NO: P0167660
P.O. NO.:

DATE SAMPLED: 08-JUL-91
DATE RECEIVED: 09-JUL-91
APPROVED BY: J Simanic

LN	TEST CODE	DETERMINATION	RESULT	UNITS
3	ACLPW	TAL METALS & CLP DATA PACKAGE	DONE	
4	I023	Alkalinity, Total (as CaCO3)	250	mg/L
5	I120	COD(O2)	16	mg/L
6	I130	Chloride (Cl)	34 J	mg/L
7	I590	Solids, Dissolved at 180C	330	mg/L
8	I390	Nitrate (as N)	1.9	mg/L
9	I700	Specific Conductance at 25C	480	umhos/cm
10	I730	Sulfate, Turbidimetric (as SO4)	18	mg/L
11	I610	Solids, Suspended at 103C	< 10	mg/L
12	I620	Solids, Total at 103C	360	mg/L
13	I106	Carbon, Organic - Nonpurgeable	360 J	mg/L
16	OSVIXW	APPENDIX IX SEMIVOLATILES IN WATER Data Package	DONE	
20	DPACK	CLP Data Package Deliverable	DONE	
21	OVIXW	APPENDIX IX VOLATILES IN WATER Data Package	DONE	

COMMENTS:

CLIENT ORIGINAL

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August 07, 1991
Report No.: 00001846
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LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

SAMPLE ID: TKC-SW05-W-0001
NUS SAMPLE NO: P0167660
P.O. NO.:

DATE SAMPLED: 08-JUL-91
DATE RECEIVED: 09-JUL-91
APPROVED BY: J Simanic

LN	TEST CODE	DETERMINATION	RESULT	UNITS
3	ACLPW	TAL METALS & CLP DATA PACKAGE	DONE	
4	I023	Alkalinity, Total (as CaCO3)	250	mg/L
5	I120	COD(O2)	16	mg/L
6	I130	Chloride (Cl)	34 J	mg/L
7	I590	Solids, Dissolved at 180C	330	mg/L
8	I390	Nitrate (as N)	1.9	mg/L
9	I700	Specific Conductance at 25C	480	umhos/cm
10	I730	Sulfate, Turbidimetric (as SO4)	18	mg/L
11	I610	Solids, Suspended at 103C	< 10	mg/L
12	I620	Solids, Total at 103C	360	mg/L
13	I106	Carbon, Organic - Nonpurgeable	360 J	mg/L
16	OSVIXW	APPENDIX IX SEMIVOLATILES IN WATER Data Package	DONE	
20	DPACK	CLP Data Package Deliverable	DONE	
21	OVIXW	APPENDIX IX VOLATILES IN WATER Data Package	DONE	

COMMENTS:

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August 07, 1991
Report No.: 00001844
Section A Page 12

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

SAMPLE ID: TCC-SW06-W-0001
NUS SAMPLE NO: P0167572
P.O. NO.:

DATE SAMPLED: 05-JUL-91
DATE RECEIVED: 06-JUL-91
APPROVED BY: J Simanic

LN	TEST CODE	DETERMINATION	RESULT	UNITS
1	OVIXW	APPENDIX IX VOLATILES IN WATER		
		Data Package	DONE	
3	ACLPW	TAL METALS & CLP DATA PACKAGE	DONE	
4	I023	Alkalinity, Total (as CaCO3)	150	mg/L
5	I120	COD(O2)	27	mg/L
6	I130	Chloride (Cl)	40 J	mg/L
7	I590	Solids, Dissolved at 180C	280	mg/L
8	I390	Nitrate (as N)	0.6	mg/L
9	I700	Specific Conductance at 25C	350	umhos/cm
10	I730	Sulfate, Turbidimetric (as SO4)	23	mg/L
11	I610	Solids, Suspended at 103C	36	mg/L
12	I620	Solids, Total at 103C	18	mg/L
13	I106	Carbon, Organic - Nonpurgeable	6 J	mg/L
16	OSVIXW	APPENDIX IX SEMIVOLATILES IN WATER		
		Data Package	DONE	
18	G120WC	PESTICIDES/PCBS + CLP DATA PACKAGE - WATER		
		Data Package - Pesticides/PCBs	DONE	
19	I265WC	CLP - Cyanide (CN)	10 u	ug/L
20	DPACK	CLP Data Package Deliverable	DONE	

COMMENTS:

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August 07, 1991
Report No.: 00001844
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LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

SAMPLE ID: TCC-SW06-W-0001
NUS SAMPLE NO: P0167572
P.O. NO.:

DATE SAMPLED: 05-JUL-91
DATE RECEIVED: 06-JUL-91
APPROVED BY: J Simanic

LN	TEST CODE	DETERMINATION	RESULT	UNITS
1	OVIXW	APPENDIX IX VOLATILES IN WATER		
		Data Package	DONE	
3	ACLPW	TAL METALS & CLP DATA PACKAGE	DONE	
4	I023	Alkalinity, Total (as CaCO3)	150	mg/L
5	I120	COD(O2)	27	mg/L
6	I130	Chloride (Cl)	40 J	mg/L
7	I590	Solids, Dissolved at 180C	280	mg/L
8	I390	Nitrate (as N)	0.6	mg/L
9	I700	Specific Conductance at 25C	350	umhos/cm
10	I730	Sulfate, Turbidimetric (as SO4)	23	mg/L
11	I610	Solids, Suspended at 103C	36	mg/L
12	I620	Solids, Total at 103C	18	mg/L
13	I106	Carbon, Organic - Nonpurgeable	6 J	mg/L
16	OSVIXW	APPENDIX IX SEMIVOLATILES IN WATER		
		Data Package	DONE	
18	G120WC	PESTICIDES/PCBS + CLP DATA PACKAGE - WATER		
		Data Package - Pesticides/PCBs	DONE	
19	I265WC	CLP - Cyanide (CN)	10 u	ug/L
20	DPACK	CLP Data Package Deliverable	DONE	

COMMENTS:

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HALLIBURTON NUS
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August 07, 1991
Report No.: 00001844
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LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

SAMPLE ID: TCC-SW06-C-0001
NUS SAMPLE NO: P0167573
P.O. NO.:

DATE SAMPLED: 05-JUL-91
DATE RECEIVED: 06-JUL-91
APPROVED BY: J Simanic

LN	TEST CODE	DETERMINATION	RESULT	UNITS
1	OVIXW	APPENDIX IX VOLATILES IN WATER		
		Data Package	DONE	
3	ACLPW	TAL METALS & CLP DATA PACKAGE	DONE	
4	I023	Alkalinity, Total (as CaCO3)	160	mg/L
5	I120	COD(O2)	26	mg/L
6	I130	Chloride (Cl)	42 J	mg/L
7	I590	Solids, Dissolved at 180C	280	mg/L
8	I390	Nitrate (as N)	0.6	mg/L
9	I700	Specific Conductance at 25C	350	umhos/cm
10	I730	Sulfate, Turbidimetric (as SO4)	26	mg/L
11	I610	Solids, Suspended at 103C	38	mg/L
12	I620	Solids, Total at 103C	310	mg/L
13	I106	Carbon, Organic - Nonpurgeable	6 J	mg/L
16	OSVIXW	APPENDIX IX SEMIVOLATILES IN WATER		
		Data Package	DONE	
18	G120WC	PESTICIDES/PCBS + CLP DATA PACKAGE - WATER		
		Data Package - Pesticides/PCBs	DONE	
19	I265WC	CLP - Cyanide (CN)	10 u	ug/L
20	DPACK	CLP Data Package Deliverable	DONE	

COMMENTS:

ORIGINAL

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August 07, 1991
Report No.: 00001844
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LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

SAMPLE ID: TCC-SW06-C-0001
NUS SAMPLE NO: P0167573
P.O. NO.:

DATE SAMPLED: 05-JUL-91
DATE RECEIVED: 06-JUL-91
APPROVED BY: J Simanic

LN	TEST CODE	DETERMINATION	RESULT	UNITS
1	OVIXW	APPENDIX IX VOLATILES IN WATER		
		Data Package	DONE	
3	ACLPW	TAL METALS & CLP DATA PACKAGE	DONE	
4	I023	Alkalinity, Total (as CaCO3)	160	mg/L
5	I120	COD(O2)	26	mg/L
6	I130	Chloride (Cl)	42 J	mg/L
7	I590	Solids, Dissolved at 180C	280	mg/L
8	I390	Nitrate (as N)	0.6	mg/L
9	I700	Specific Conductance at 25C	350	umhos/cm
10	I730	Sulfate, Turbidimetric (as SO4)	26	mg/L
11	I610	Solids, Suspended at 103C	38	mg/L
12	I620	Solids, Total at 103C	310	mg/L
13	I106	Carbon, Organic - Nonpurgeable	6 J	mg/L
16	OSVIXW	APPENDIX IX SEMIVOLATILES IN WATER		
		Data Package	DONE	
18	G120WC	PESTICIDES/PCBS + CLP DATA PACKAGE - WATER		
		Data Package - Pesticides/PCBs	DONE	
19	I265WC	CLP - Cyanide (CN)	10 u	ug/L
20	DPACK	CLP Data Package Deliverable	DONE	

COMMENTS:

CLIENT ORIGINAL

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August 07, 1991
Report No.: 00001845
Section A Page 1

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

SAMPLE ID: TCC-SW07-W-0001
NUS SAMPLE NO: P0167579
P.O. NO.:

DATE SAMPLED: 05-JUL-91
DATE RECEIVED: 08-JUL-91
APPROVED BY: J Simanic

LN	TEST CODE	DETERMINATION	RESULT	UNIT
3	ACLPW	TAL METALS & CLP DATA PACKAGE	DONE	
4	I023	Alkalinity, Total (as CaCO3)	170	mg/L
5	I120	COD(O2)	26	mg/L
6	I130	Chloride (Cl)	47 J	mg/L
7	I590	Solids, Dissolved at 180C	290	mg/L
8	I390	Nitrate (as N)	0.4	mg/L
9	I700	Specific Conductance at 25C	400	umhos/cm
10	I730	Sulfate, Turbidimetric (as SO4)	24	mg/L
11	I610	Solids, Suspended at 103C	29	mg/L
12	I620	Solids, Total at 103C	340	mg/L
13	I106	Carbon, Organic - Nonpurgeable	6 J	mg/L
14	I315	Halogens, Total Organic (TOX)	28 J	ug/L
15	I500	Phenolics	< 0.01	mg/L
16	DPACK	CLP Data Package Deliverable	DONE	

COMMENTS:

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August 07, 1991
Report No.: 00001845
Section A Page 1

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

SAMPLE ID: TCC-SW07-W-0001
NUS SAMPLE NO: P0167579
P.O. NO.:

DATE SAMPLED: 05-JUL-91
DATE RECEIVED: 08-JUL-91
APPROVED BY: J Simanic

LN	TEST CODE	DETERMINATION	RESULT	UNIT
3	ACLPW	TAL METALS & CLP DATA PACKAGE	DONE	
4	I023	Alkalinity, Total (as CaCO3)	170	mg/L
5	I120	COD(O2)	26	mg/L
6	I130	Chloride (Cl)	47 J	mg/L
7	I590	Solids, Dissolved at 180C	290	mg/L
8	I390	Nitrate (as N)	0.4	mg/L
9	I700	Specific Conductance at 25C	400	umhos/cm
10	I730	Sulfate, Turbidimetric (as SO4)	24	mg/L
11	I610	Solids, Suspended at 103C	29	mg/L
12	I620	Solids, Total at 103C	340	mg/L
13	I106	Carbon, Organic - Nonpurgeable	6 J	mg/L
14	I315	Halogens, Total Organic (TOX)	28 J	ug/L
15	I500	Phenolics	< 0.01	mg/L
16	DPACK	CLP Data Package Deliverable	DONE	

COMMENTS:

CLIENT ORIGINAL

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August 07, 1991
Report No.: 00001845
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LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

SAMPLE ID: TCC-SW07-C-0001
NUS SAMPLE NO: P0167580
P.O. NO.:

DATE SAMPLED: 05-JUL-91
DATE RECEIVED: 08-JUL-91
APPROVED BY: J Simanic

LN	TEST CODE	DETERMINATION	RESULT	UNITS
14	I315	Halogens, Total Organic (TOX)	32 J	ug/L
15	I500	Phenolics	< 0.01	mg/L
16	DPACK	CLP Data Package Deliverable	DONE	

COMMENTS:

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August 07, 1991
Report No.: 00001845
Section A Page 2

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

SAMPLE ID: TCC-SW07-C-0001
NUS SAMPLE NO: P0167580
P.O. NO.:

DATE SAMPLED: 05-JUL-91
DATE RECEIVED: 08-JUL-91
APPROVED BY: J Simanic

LN	TEST CODE	DETERMINATION	RESULT	UNITS
14	I315	Halogens, Total Organic (TOX)	32 J	ug/L
15	I500	Phenolics	< 0.01	mg/L
16	DPACK	CLP Data Package Deliverable	DONE	

COMMENTS:

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LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

SAMPLE ID: TCC-SW08-W-0001
NUS SAMPLE NO: P0167588
P.O. NO.:

DATE SAMPLED: 06-JUL-91
DATE RECEIVED: 08-JUL-91
APPROVED BY: J Simanic

LN	TEST CODE	DETERMINATION	RESULT	UNITS
3	ACLPW	TAL METALS & CLP DATA PACKAGE	DONE	
4	I023	Alkalinity, Total (as CaCO3)	200	mg/L
5	I120	COD(O2)	19	mg/L
6	I130	Chloride (Cl)	54 J	mg/L
7	I590	Solids, Dissolved at 180C	340	mg/L
8	I390	Nitrate (as N)	0.2	mg/L
9	I700	Specific Conductance at 25C	490	umhos/cm
10	I730	Sulfate, Turbidimetric (as SO4)	23	mg/L
11	I610	Solids, Suspended at 103C	29	mg/L
12	I620	Solids, Total at 103C	390	mg/L
13	I106	Carbon, Organic - Nonpurgeable	5 J	mg/L
14	I315	Halogens, Total Organic (TOX)	31 J	ug/L
15	I500	Phenolics	< 0.01	mg/L
16	DPACK	CLP Data Package Deliverable	DONE	

COMMENTS:

CLIENT ORIGINAL

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August 07, 1991
Report No.: 00001845
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LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

SAMPLE ID: TCC-SW08-W-0001
NUS SAMPLE NO: P0167588
P.O. NO.:

DATE SAMPLED: 06-JUL-91
DATE RECEIVED: 08-JUL-91
APPROVED BY: J Simanic

LN	TEST CODE	DETERMINATION	RESULT		UNITS
3	ACLPW	TAL METALS & CLP DATA PACKAGE	DONE		
4	I023	Alkalinity, Total (as CaCO3)	200		mg/L
5	I120	COD(O2)	19		mg/L
6	I130	Chloride (Cl)	54	J	mg/L
7	I590	Solids, Dissolved at 180C	340		mg/L
8	I390	Nitrate (as N)	0.2		mg/L
9	I700	Specific Conductance at 25C	490		umhos/cm
10	I730	Sulfate, Turbidimetric (as SO4)	23		mg/L
11	I610	Solids, Suspended at 103C	29		mg/L
12	I620	Solids, Total at 103C	390		mg/L
13	I106	Carbon, Organic - Nonpurgeable	5	J	mg/L
14	I315	Halogens, Total Organic (TOX)	31	J	ug/L
15	I500	Phenolics	< 0.01		mg/L
16	DPACK	CLP Data Package Deliverable	DONE		

COMMENTS:

CLIENT ORIGINAL

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LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

SAMPLE ID: TCC-SW09-W-0001
NUS SAMPLE NO: P0167589
P.O. NO.:

DATE SAMPLED: 06-JUL-91
DATE RECEIVED: 08-JUL-91
APPROVED BY: J Simanic

LN	TEST CODE	DETERMINATION	RESULT		UNITS
3	ACLPW	TAL METALS & CLP DATA PACKAGE	DONE		
4	I023	Alkalinity, Total (as CaCO3)	240		mg/L
5	I120	COD(O2)	22		mg/L
6	I130	Chloride (Cl)	58	J	mg/L
7	I590	Solids, Dissolved at 180C	390		mg/L
8	I390	Nitrate (as N)	0.5		mg/L
9	I700	Specific Conductance at 25C	520		umhos/cm
10	I730	Sulfate, Turbidimetric (as SO4)	24		mg/L
11	I610	Solids, Suspended at 103C	< 20		mg/L
12	I620	Solids, Total at 103C	430		mg/L
13	I106	Carbon, Organic - Nonpurgeable	22	J	mg/L
14	I315	Halogens, Total Organic (TOX)	28	J	ug/L
15	I500	Phenolics	< 0.01		mg/L
16	DPACK	CLP Data Package Deliverable	DONE		

COMMENTS:

CLIENT ORIGINAL

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LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

SAMPLE ID: TCC-SW09-W-0001
NUS SAMPLE NO: P0167589
P.O. NO.:

DATE SAMPLED: 08-JUL-91
DATE RECEIVED: 08-JUL-91
APPROVED BY: J Simanic

LN	TEST CODE	DETERMINATION	RESULT		UNITS
3	ACLPW	TAL METALS & CLP DATA PACKAGE	DONE		
4	I023	Alkalinity, Total (as CaCO3)	240		mg/L
5	I120	COD(O2)	22		mg/L
6	I130	Chloride (Cl)	58	J	mg/L
7	I590	Solids, Dissolved at 180C	390		mg/L
8	I390	Nitrate (as N)	0.5		mg/L
9	I700	Specific Conductance at 25C	520		umhos/cm
10	I730	Sulfate, Turbidimetric (as SO4)	24		mg/L
11	I610	Solids, Suspended at 103C	< 20		mg/L
12	I620	Solids, Total at 103C	430		mg/L
13	I106	Carbon, Organic - Nonpurgeable	22	J	mg/L
14	I315	Halogens, Total Organic (TOX)	28	J	ug/L
15	I500	Phenolics	< 0.01		mg/L
16	DPACK	CLP Data Package Deliverable	DONE		

COMMENTS:

CLIENT ORIGINAL

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August 07, 1991
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LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

SAMPLE ID: TCC-SW10-W-0001
NUS SAMPLE NO: P0167590
P.O. NO.:

DATE SAMPLED: 06-JUL-91
DATE RECEIVED: 08-JUL-91
APPROVED BY: J Simanic

LN	TEST CODE	DETERMINATION	RESULT	UNITS
3	ACLPW	TAL METALS & CLP DATA PACKAGE	DONE	
4	I023	Alkalinity, Total (as CaCO3)	200	mg/L
5	I120	COD(O2)	15	mg/L
6	I130	Chloride (Cl)	66 J	mg/L
7	I590	Solids, Dissolved at 180C	350	mg/L
8	I390	Nitrate (as N)	0.2	mg/L
9	I700	Specific Conductance at 25C	480	umhos/cm
10	I730	Sulfate, Turbidimetric (as SO4)	21	mg/L
11	I610	Solids, Suspended at 103C	20	mg/L
12	I620	Solids, Total at 103C	380	mg/L
13	I106	Carbon, Organic - Nonpurgeable	4 J	mg/L
14	I315	Halogens, Total Organic (TOX)	19 J	ug/L
15	I500	Phenolics	< 0.01	mg/L
16	DPACK	CLP Data Package Deliverable	DONE	

COMMENTS:

CLIENT ORIGINAL

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August 07, 1991
Report No.: 00001845
Section A Page 12

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

SAMPLE ID: TCC-SW10-W-0001
NUS SAMPLE NO: P0167590
P.O. NO.:

DATE SAMPLED: 06-JUL-91
DATE RECEIVED: 08-JUL-91
APPROVED BY: J Simanic

LN	TEST CODE	DETERMINATION	RESULT	UNITS
3	ACLPW	TAL METALS & CLP DATA PACKAGE	DONE	
4	I023	Alkalinity, Total (as CaCO3)	200	mg/L
5	I120	COD(O2)	15	mg/L
6	I130	Chloride (Cl)	66 J	mg/L
7	I590	Solids, Dissolved at 180C	350	mg/L
8	I390	Nitrate (as N)	0.2	mg/L
9	I700	Specific Conductance at 25C	480	umhos/cm
10	I730	Sulfate, Turbidimetric (as SO4)	21	mg/L
11	I610	Solids, Suspended at 103C	20	mg/L
12	I620	Solids, Total at 103C	380	mg/L
13	I106	Carbon, Organic - Nonpurgeable	4 J	mg/L
14	I315	Halogens, Total Organic (TOX)	19 J	ug/L
15	I500	Phenolics	< 0.01	mg/L
16	DPACK	CLP Data Package Deliverable	DONE	

COMMENTS:

CLIENT ORIGINAL

HALLIBURTON NUS
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August 07, 1991
Report No.: 00001846
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LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

SAMPLE ID: TCC-SW11-W-0001
NUS SAMPLE NO: P0167650
P.O. NO.:

DATE SAMPLED: 07-JUL-91
DATE RECEIVED: 09-JUL-91
APPROVED BY: J Simanic

LN	TEST CODE	DETERMINATION	RESULT	UNITS
3	ACLPW	TAL METALS & CLP DATA PACKAGE	DONE	
4	I023	Alkalinity, Total (as CaCO3)	210	mg/L
5	I120	COD(O2)	30	mg/L
6	I130	Chloride (Cl)	38 J	mg/L
7	I590	Solids, Dissolved at 180C	390	mg/L
8	I390	Nitrate (as N)	0.4	mg/L
9	I700	Specific Conductance at 25C	430	umhos/cm
10	I730	Sulfate, Turbidimetric (as SO4)	29	mg/L
11	I610	Solids, Suspended at 103C	< 10	mg/L
12	I620	Solids, Total at 103C	370	mg/L
13	I106	Carbon, Organic - Nonpurgeable	370 J	mg/L
16	OSVIXW	APPENDIX IX SEMIVOLATILES IN WATER		
		Data Package	DONE	
20	DPACK	CLP Data Package Deliverable	DONE	

COMMENTS:

CLIENT ORIGINAL

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August 07, 1991
Report No.: 00001846
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LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

SAMPLE ID: TCC-SW11-W-0001
NUS SAMPLE NO: P0167650
P.O. NO.:

DATE SAMPLED: 07-JUL-91
DATE RECEIVED: 09-JUL-91
APPROVED BY: J Simanic

LN	TEST CODE	DETERMINATION	RESULT		UNITS
3	ACLPW	TAL METALS & CLP DATA PACKAGE	DONE		
4	I023	Alkalinity, Total (as CaCO3)	210		mg/L
5	I120	COD(O2)	30		mg/L
6	I130	Chloride (Cl)	38	J	mg/L
7	I590	Solids, Dissolved at 180C	390		mg/L
8	I390	Nitrate (as N)	0.4		mg/L
9	I700	Specific Conductance at 25C	430		umhos/cm
10	I730	Sulfate, Turbidimetric (as SO4)	29		mg/L
11	I610	Solids, Suspended at 103C	< 10		mg/L
12	I620	Solids, Total at 103C	370		mg/L
13	I106	Carbon, Organic - Nonpurgeable	370	J	mg/L
16	OSVIXW	APPENDIX IX SEMIVOLATILES IN WATER Data Package	DONE		
20	DPACK	CLP Data Package Deliverable	DONE		

COMMENTS:

CLIENT ORIGINAL

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LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

SAMPLE ID: TCC-SW12-W-0001
NUS SAMPLE NO: P0167652
P.O. NO.:

DATE SAMPLED: 07-JUL-91
DATE RECEIVED: 09-JUL-91
APPROVED BY: J Simanic

LN	TEST CODE	DETERMINATION	RESULT		UNITS
3	ACLPW	TAL METALS & CLP DATA PACKAGE	DONE		
4	I023	Alkalinity, Total (as CaCO3)	260		mg/L
5	I120	COD(O2)	15		mg/L
6	I130	Chloride (Cl)	77	J	mg/L
7	I590	Solids, Dissolved at 180C	420		mg/L
8	I390	Nitrate (as N)	0.1		mg/L
9	I700	Specific Conductance at 25C	600		umhos/cm
10	I730	Sulfate, Turbidimetric (as SO4)	15		mg/L
11	I610	Solids, Suspended at 103C	36		mg/L
12	I620	Solids, Total at 103C	420		mg/L
13	I106	Carbon, Organic - Nonpurgeable	450	J	mg/L
20	DPACK	CLP Data Package Deliverable	DONE		
21	I500	Phenolics	< 0.01		mg/L
22	I315	Halogens, Total Organic (TOX)	18	J	ug/L

COMMENTS:

CLIENT ORIGINAL

HALLIBURTON NUS
Environmental Laboratories

5350 Campbells Run Road
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Cleveland, OH 44130
216-891-4700

August 07, 1991
Report No.: 00001846
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LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

SAMPLE ID: TCC-SW12-W-0001
NUS SAMPLE NO: P0167652
P.O. NO.:

DATE SAMPLED: 07-JUL-91
DATE RECEIVED: 09-JUL-91
APPROVED BY: J Simanic

LN	TEST CODE	DETERMINATION	RESULT		UNITS
3	ACLPW	TAL METALS & CLP DATA PACKAGE	DONE		
4	I023	Alkalinity, Total (as CaCO3)	260		mg/L
5	I120	COD(O2)	15		mg/L
6	I130	Chloride (Cl)	77	J	mg/l
7	I590	Solids, Dissolved at 180C	420		mg/L
8	I390	Nitrate (as N)	0.1		mg/L
9	I700	Specific Conductance at 25C	600		umhos/cm
10	I730	Sulfate, Turbidimetric (as SO4)	15		mg/L
11	I610	Solids, Suspended at 103C	36		mg/L
12	I620	Solids, Total at 103C	420		mg/L
13	I106	Carbon, Organic - Nonpurgeable	450	J	mg/L
20	DPACK	CLP Data Package Deliverable	DONE		
21	I500	Phenolics	< 0.01		mg/L
22	I315	Halogens, Total Organic (TOX)	18	J	ug/L

COMMENTS:

CLIENT ORIGINAL

HALLIBURTON NUS
Environmental Laboratories

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Cleveland, OH 44130
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August 07, 1991
Report No.: 00001845
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LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

SAMPLE ID: TCC-SW14-W-0001
NUS SAMPLE NO: P0167591
P.O. NO.:

DATE SAMPLED: 06-JUL-91
DATE RECEIVED: 08-JUL-91
APPROVED BY: J Simanic

LN	TEST CODE	DETERMINATION	RESULT	UNITS
3	ACLPW	TAL METALS & CLP DATA PACKAGE	DONE	
4	I023	Alkalinity, Total (as CaCO3)	200	mg/L
5	I120	COD(O2)	27	mg/L
6	I130	Chloride (Cl)	38 J	mg/L
7	I590	Solids, Dissolved at 180C	310	mg/L
8	I390	Nitrate (as N)	0.4	mg/L
9	I700	Specific Conductance at 25C	390	umhos/cm
10	I730	Sulfate, Turbidimetric (as SO4)	29	mg/L
11	I610	Solids, Suspended at 103C	22	mg/L
12	I620	Solids, Total at 103C	340	mg/L
13	I106	Carbon, Organic - Nonpurgeable	6 J	mg/L
14	I315	Halogens, Total Organic (TOX)	28 J	ug/L
15	I500	Phenolics	< 0.01	mg/L
16	DPACK	CLP Data Package Deliverable	DONE	

COMMENTS:

CLIENT ORIGINAL

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August 07, 1991
Report No.: 00001845
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LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

SAMPLE ID: TCC-SW14-W-0001
NUS SAMPLE NO: P0167591
P.O. NO.:

DATE SAMPLED: 06-JUL-91
DATE RECEIVED: 08-JUL-91
APPROVED BY: J Simanic

LN	TEST CODE	DETERMINATION	RESULT		UNITS
3	ACLPW	TAL METALS & CLP DATA PACKAGE	DONE		
4	I023	Alkalinity, Total (as CaCO3)	200		mg/L
5	I120	COD(O2)	27		mg/L
6	I130	Chloride (Cl)	38	J	mg/L
7	I590	Solids, Dissolved at 180C	310		mg/L
8	I390	Nitrate (as N)	0.4		mg/L
9	I700	Specific Conductance at 25C	390		umhos/cm
10	I730	Sulfate, Turbidimetric (as SO4)	29		mg/L
11	I610	Solids, Suspended at 103C	22		mg/L
12	I620	Solids, Total at 103C	340		mg/L
13	I106	Carbon, Organic - Nonpurgeable	6	J	mg/L
14	I315	Halogens, Total Organic (TOX)	28	J	ug/L
15	I500	Phenolics	< 0.01		mg/L
16	DPACK	CLP Data Package Deliverable	DONE		

COMMENTS:

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August 07, 1991
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LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

SAMPLE ID: TCC-SW15-W-0001
NUS SAMPLE NO: P0167653
P.O. NO.:

DATE SAMPLED: 07-JUL-91
DATE RECEIVED: 09-JUL-91
APPROVED BY: J Simanic

LN	TEST CODE	DETERMINATION	RESULT	UNITS
3	ACLPW	TAL METALS & CLP DATA PACKAGE	DONE	
4	I023	Alkalinity, Total (as CaCO3)	270	mg/L
5	I120	COD(O2)	30	mg/L
6	I130	Chloride (Cl)	42 J	mg/L
7	I590	Solids, Dissolved at 180C	380	mg/L
8	I390	Nitrate (as N)	0.6	mg/L
9	I700	Specific Conductance at 25C	540	umhos/cm
10	I730	Sulfate, Turbidimetric (as SO4)	22	mg/L
11	I610	Solids, Suspended at 103C	18	mg/L
12	I620	Solids, Total at 103C	380	mg/L
13	I106	Carbon, Organic - Nonpurgeable	430 J	mg/L
20	DPACK	CLP Data Package Deliverable	DONE	
22	I315	Halogens, Total Organic (TOX)	34 J	ug/L
23	I500	Phenolics	< 0.01	mg/L

COMMENTS:

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August 07, 1991
Report No.: 00001846
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LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

SAMPLE ID: TCC-SW15-W-0001
NUS SAMPLE NO: P0167653
P.O. NO.:

DATE SAMPLED: 07-JUL-91
DATE RECEIVED: 09-JUL-91
APPROVED BY: J Simanic

LN	TEST CODE	DETERMINATION	RESULT	UNITS
3	ACLPW	TAL METALS & CLP DATA PACKAGE	DONE	
4	I023	Alkalinity, Total (as CaCO3)	270	mg/L
5	I120	COD(O2)	30	mg/L
6	I130	Chloride (Cl)	42 J	mg/L
7	I590	Solids, Dissolved at 180C	380	mg/L
8	I390	Nitrate (as N)	0.6	mg/L
9	I700	Specific Conductance at 25C	540	umhos/cm
10	I730	Sulfate, Turbidimetric (as SO4)	22	mg/L
11	I610	Solids, Suspended at 103C	18	mg/L
12	I620	Solids, Total at 103C	380	mg/L
13	I106	Carbon, Organic - Nonpurgeable	430 J	mg/L
20	DPACK	CLP Data Package Deliverable	DONE	
22	I315	Halogens, Total Organic (TOX)	34 J	ug/L
23	I500	Phenolics	< 0.01	mg/L

COMMENTS:

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August 07, 1991
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LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

SAMPLE ID: TCC-SW16-W-0001
NUS SAMPLE NO: P0167651
P.O. NO.:

DATE SAMPLED: 07-JUL-91
DATE RECEIVED: 09-JUL-91
APPROVED BY: J Simanic

LN	TEST CODE	DETERMINATION	RESULT	UNITS
3	ACLPW	TAL METALS & CLP DATA PACKAGE	DONE	
4	I023	Alkalinity, Total (as CaCO3)	330	mg/L
5	I120	COD(O2)	14	mg/L
6	I130	Chloride (Cl)	44 J	mg/L
7	I590	Solids, Dissolved at 180C	460	mg/L
8	I390	Nitrate (as N)	0.6	mg/L
9	I700	Specific Conductance at 25C	610	umhos/cm
10	I730	Sulfate, Turbidimetric (as SO4)	28	mg/L
11	I610	Solids, Suspended at 103C	13	mg/L
12	I620	Solids, Total at 103C	490	mg/L
13	I106	Carbon, Organic - Nonpurgeable	490 J	mg/L
16	OSVIXW	APPENDIX IX SEMIVOLATILES IN WATER		
		Data Package	DONE	
18	G120WC	PESTICIDES/PCBS + CLP DATA PACKAGE - WATER		
		Data Package - Pesticides/PCBs	DONE	
19	I265WC	CLP - Cyanide (CN)	10 u	ug/L
20	DPACK	CLP Data Package Deliverable	DONE	

COMMENTS:

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August 07, 1991
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LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

SAMPLE ID: TCC-SW16-W-0001
NUS SAMPLE NO: P0167651
P.O. NO.:

DATE SAMPLED: 07-JUL-91
DATE RECEIVED: 09-JUL-91
APPROVED BY: J Simanic

LN	TEST CODE	DETERMINATION	RESULT	UNITS
3	ACLPW	TAL METALS & CLP DATA PACKAGE	DONE	
4	I023	Alkalinity, Total (as CaCO3)	330	mg/L
5	I120	COD(O2)	14	mg/L
6	I130	Chloride (Cl)	44 J	mg/L
7	I590	Solids, Dissolved at 180C	460	mg/L
8	I390	Nitrate (as N)	0.6	mg/L
9	I700	Specific Conductance at 25C	610	umhos/cm
10	I730	Sulfate, Turbidimetric (as SO4)	28	mg/L
11	I610	Solids, Suspended at 103C	13	mg/L
12	I620	Solids, Total at 103C	490	mg/L
13	I106	Carbon, Organic - Nonpurgeable	490 J	mg/L
16	OSVIXW	APPENDIX IX SEMIVOLATILES IN WATER Data Package	DONE	
18	G120WC	PESTICIDES/PCBS + CLP DATA PACKAGE - WATER Data Package - Pesticides/PCBs	DONE	
19	I265WC	CLP - Cyanide (CN)	10 u	ug/L
20	DPACK	CLP Data Package Deliverable	DONE	

COMMENTS:

CLIENT ORIGINAL

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August 07, 1991
Report No.: 00001846
Section A Page 19

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

SAMPLE ID: TCC-SW17-W-0001
NUS SAMPLE NO: P0167655
P.O. NO.:

DATE SAMPLED: 07-JUL-91
DATE RECEIVED: 09-JUL-91
APPROVED BY: J Simanic

LN	TEST CODE	DETERMINATION	RESULT	UNITS
3	ACLPW	TAL METALS & CLP DATA PACKAGE	DONE	
4	I023	Alkalinity, Total (as CaCO3)	240	mg/L
5	I120	COD(O2)	15	mg/L
6	I130	Chloride (Cl)	42 J	mg/L
7	I590	Solids, Dissolved at 180C	360	mg/L
8	I390	Nitrate (as N)	1.1	mg/L
9	I700	Specific Conductance at 25C	520	umhos/cm
10	I730	Sulfate, Turbidimetric (as SO4)	18	mg/L
11	I610	Solids, Suspended at 103C	13	mg/L
12	I620	Solids, Total at 103C	360	mg/L
13	I106	Carbon, Organic - Nonpurgeable	380 J	mg/L
17	I315	Halogens, Total Organic (TOX)	25 J	ug/L
18	I500	Phenolics	< 0.01	mg/L
19	DPACK	CLP Data Package Deliverable	DONE	

COMMENTS:

CLIENT ORIGINAL

HALLIBURTON NUS
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August 07, 1991
Report No.: 00001846
Section A Page 19

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

SAMPLE ID: TCC-SW17-W-0001
NUS SAMPLE NO: P0167655
P.O. NO.:

DATE SAMPLED: 07-JUL-91
DATE RECEIVED: 09-JUL-91
APPROVED BY: J Simanic

LN	TEST CODE	DETERMINATION	RESULT	UNITS
3	ACLPW	TAL METALS & CLP DATA PACKAGE	DONE	
4	I023	Alkalinity, Total (as CaCO3)	240	mg/L
5	I120	COD(O2)	15	mg/L
6	I130	Chloride (Cl)	42 J	mg/L
7	I590	Solids, Dissolved at 180C	360	mg/L
8	I390	Nitrate (as N)	1.1	mg/L
9	I700	Specific Conductance at 25C	520	umhos/cm
10	I730	Sulfate, Turbidimetric (as SO4)	18	mg/L
11	I610	Solids, Suspended at 103C	13	mg/L
12	I620	Solids, Total at 103C	360	mg/L
13	I106	Carbon, Organic - Nonpurgeable	380 J	mg/L
17	I315	Halogens, Total Organic (TOX)	25 J	ug/L
18	I500	Phenolics	< 0.01	mg/L
19	DPACK	CLP Data Package Deliverable	DONE	

COMMENTS:

CLIENT ORIGINAL

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August 07, 1991
Report No.: 00001846
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LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

SAMPLE ID: TCC-SW18-W-0001
NUS SAMPLE NO: P0167656
P.O. NO.:

DATE SAMPLED: 07-JUL-91
DATE RECEIVED: 09-JUL-91
APPROVED BY: J Simanic

LN	TEST CODE	DETERMINATION	RESULT	UNITS
3	ACLPW	TAL METALS & CLP DATA PACKAGE	DONE	
4	I023	Alkalinity, Total (as CaCO3)	190	mg/L
5	I120	COD(O2)	60	mg/L
6	I130	Chloride (Cl)	16 J	mg/L
7	I590	Solids, Dissolved at 180C	340	mg/L
8	I390	Nitrate (as N)	5.3	mg/L
9	I700	Specific Conductance at 25C	430	umhos/cm
10	I730	Sulfate, Turbidimetric (as SO4)	18	mg/L
11	I610	Solids, Suspended at 103C	66	mg/L
12	I620	Solids, Total at 103C	340	mg/L
13	I106	Carbon, Organic - Nonpurgeable	400 J	mg/L
20	DPACK	CLP Data Package Deliverable	DONE	
21	I500	Phenolics	< 0.01	mg/L
22	I315	Halogens, Total Organic (TOX)	29 J	ug/L

COMMENTS:

CLIENT ORIGINAL

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August 07, 1991
Report No.: 00001846
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LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

SAMPLE ID: TCC-SW18-W-0001
NUS SAMPLE NO: P0167656
P.O. NO.:

DATE SAMPLED: 07-JUL-91
DATE RECEIVED: 09-JUL-91
APPROVED BY: J Simanic

LN	TEST CODE	DETERMINATION	RESULT	UNITS
3	ACLPW	TAL METALS & CLP DATA PACKAGE	DONE	
4	I023	Alkalinity, Total (as CaCO3)	190	mg/L
5	I120	COD(O2)	60	mg/L
6	I130	Chloride (Cl)	16 J	mg/L
7	I590	Solids, Dissolved at 180C	340	mg/L
8	I390	Nitrate (as N)	5.3	mg/L
9	I700	Specific Conductance at 25C	430	umhos/cm
10	I730	Sulfate, Turbidimetric (as SO4)	18	mg/L
11	I610	Solids, Suspended at 103C	66	mg/L
12	I620	Solids, Total at 103C	340	mg/L
13	I106	Carbon, Organic - Nonpurgeable	400 J	mg/L
20	DPACK	CLP Data Package Deliverable	DONE	
21	I500	Phenolics	< 0.01	mg/L
22	I315	Halogens, Total Organic (TOX)	29 J	ug/L

COMMENTS:

CLIENT ORIGINAL

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August 07, 1991
Report No.: 00001846
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LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

SAMPLE ID: TCC-SW19-W-0001
NUS SAMPLE NO: P0167661
P.O. NO.:

DATE SAMPLED: 08-JUL-91
DATE RECEIVED: 09-JUL-91
APPROVED BY: J Simanic

LN	TEST CODE	DETERMINATION	RESULT	UNITS
3	ACLPW	TAL METALS & CLP DATA PACKAGE	DONE	
4	I023	Alkalinity, Total (as CaCO3)	230	mg/L
5	I120	COD(O2)	13	mg/L
6	I130	Chloride (Cl)	29 J	mg/L
7	I590	Solids, Dissolved at 180C	350	mg/L
8	I390	Nitrate (as N)	2.6	mg/L
9	I700	Specific Conductance at 25C	480	umhos/cm
10	I730	Sulfate, Turbidimetric (as SO4)	25	mg/L
11	I610	Solids, Suspended at 103C	10	mg/L
12	I620	Solids, Total at 103C	340	mg/L
13	I106	Carbon, Organic - Nonpurgeable	340 J	mg/L
20	DPACK	CLP Data Package Deliverable	DONE	
21	I315	Halogens, Total Organic (TOX)	59	ug/L
22	I500	Phenolics	< 0.01	mg/L

COMMENTS: 2.6

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Report No.: 00001846
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LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

SAMPLE ID: TCC-SW19-W-0001
NUS SAMPLE NO: P0167661
P.O. NO.:

DATE SAMPLED: 08-JUL-91
DATE RECEIVED: 09-JUL-91
APPROVED BY: J Simanic

LN	TEST CODE	DETERMINATION	RESULT	UNITS
3	ACLPW	TAL METALS & CLP DATA PACKAGE	DONE	
4	I023	Alkalinity, Total (as CaCO3)	230	mg/L
5	I120	COD(O2)	13	mg/L
6	I130	Chloride (Cl)	29 J	mg/L
7	I590	Solids, Dissolved at 180C	350	mg/L
8	I390	Nitrate (as N)	2.6	mg/L
9	I700	Specific Conductance at 25C	480	umhos/cm
10	I730	Sulfate, Turbidimetric (as SO4)	25	mg/L
11	I610	Solids, Suspended at 103C	10	mg/L
12	I620	Solids, Total at 103C	340	mg/L
13	I106	Carbon, Organic - Nonpurgeable	340 J	mg/L
20	DPACK	CLP Data Package Deliverable	DONE	
21	I315	Halogens, Total Organic (TOX)	59	ug/L
22	I500	Phenolics	< 0.01	mg/L

COMMENTS: 2.6

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Environmental Laboratories

5350 Campbells Run Road
Pittsburgh, PA 15205
800-228-6870

6751-L Engle Road
Cleveland, OH 44130
216-891-4700

August 07, 1991
Report No.: 00001846
Section A Page 21

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

SAMPLE ID: TCC-SW20-W-0001
NUS SAMPLE NO: P0167657
P.O. NO.:

DATE SAMPLED: 07-JUL-91
DATE RECEIVED: 09-JUL-91
APPROVED BY: J Simanic

LN	TEST CODE	DETERMINATION	RESULT		UNITS
3	ACLPW	TAL METALS & CLP DATA PACKAGE	DONE		
4	I023	Alkalinity, Total (as CaCO3)	320		mg/L
5	I120	COD(O2)	5		mg/L
6	I130	Chloride (Cl)	180	J	mg/L
7	I590	Solids, Dissolved at 180C	710		mg/L
8	I390	Nitrate (as N)	1.3		mg/L
9	I700	Specific Conductance at 25C	1100		umhos/cm
10	I730	Sulfate, Turbidimetric (as SO4)	65		mg/L
11	I610	Solids, Suspended at 103C	< 10		mg/L
12	I620	Solids, Total at 103C	750		mg/L
13	I106	Carbon, Organic - Nonpurgeable	750	J	mg/L
20	DPACK	CLP Data Package Deliverable	DONE		
21	I500	Phenolics	< 0.01		mg/L
22	I315	Halogens, Total Organic (TOX)	87	J	ug/L

COMMENTS:

CLIENT ORIGINAL

HALLIBURTON NUS
Environmental Laboratories

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August 07, 1991
Report No.: 00001846
Section A Page 21

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

SAMPLE ID: TCC-SW20-W-0001
NUS SAMPLE NO: P0167657
P.O. NO.:

DATE SAMPLED: 07-JUL-91
DATE RECEIVED: 09-JUL-91
APPROVED BY: J Simanic

LN	TEST CODE	DETERMINATION	RESULT		UNITS
3	ACLPW	TAL METALS & CLP DATA PACKAGE	DONE		
4	I023	Alkalinity, Total (as CaCO3)	320		mg/L
5	I120	COD(O2)	5		mg/L
6	I130	Chloride (Cl)	180	J	mg/L
7	I590	Solids, Dissolved at 180C	710		mg/L
8	I390	Nitrate (as N)	1.3		mg/L
9	I700	Specific Conductance at 25C	1100		umhos/cm
10	I730	Sulfate, Turbidimetric (as SO4)	65		mg/L
11	I610	Solids, Suspended at 103C	< 10		mg/L
12	I620	Solids, Total at 103C	750		mg/L
13	I106	Carbon, Organic - Nonpurgeable	750	J	mg/L
20	DPACK	CLP Data Package Deliverable	DONE		
21	I500	Phenolics	< 0.01		mg/L
22	I315	Halogens, Total Organic (TOX)	87	J	ug/L

COMMENTS:

CLIENT ORIGINAL

HALLIBURTON NUS
Environmental Laboratories

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Pittsburgh, PA 15205
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Cleveland, OH 44130
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August 07, 1991
Report No.: 00001846
Section A Page 22

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

SAMPLE ID: TCC-SW20-C-0001
NUS SAMPLE NO: P0167658
P.O. NO.:

DATE SAMPLED: 07-JUL-91
DATE RECEIVED: 09-JUL-91
APPROVED BY: J Simanic

LN	TEST CODE	DETERMINATION	RESULT	UNITS
3	ACLPW	TAL METALS & CLP DATA PACKAGE	DONE	
4	I023	Alkalinity, Total (as CaCO3)	330	mg/L
5	I120	COD(O2)	< 5	mg/L
6	I130	Chloride (Cl)	170 J	mg/L
7	I590	Solids, Dissolved at 180C	700	mg/L
8	I390	Nitrate (as N)	1.3	mg/L
9	I700	Specific Conductance at 25C	1000	umhos/cm
10	I730	Sulfate, Turbidimetric (as SO4)	70	mg/L
11	I610	Solids, Suspended at 103C	< 10	mg/L
12	I620	Solids, Total at 103C	770	mg/L
13	I106	Carbon, Organic - Nonpurgeable	770 J	mg/L
20	DPACK	CLP Data Package Deliverable	DONE	

COMMENTS:

CLIENT ORIGINAL

HALLIBURTON NUS
Environmental Laboratories

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August 07, 1991
Report No.: 00001846
Section A Page 22

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

SAMPLE ID: TCC-SW20-C-0001
NUS SAMPLE NO: P0167658
P.O. NO.:

DATE SAMPLED: 07-JUL-91
DATE RECEIVED: 09-JUL-91
APPROVED BY: J Simanic

LN	TEST CODE	DETERMINATION	RESULT	UNITS
3	ACLPW	TAL METALS & CLP DATA PACKAGE	DONE	
4	I023	Alkalinity, Total (as CaCO3)	330	mg/L
5	I120	COD(O2)	< 5	mg/L
6	I130	Chloride (Cl)	170 J	mg/L
7	I590	Solids, Dissolved at 180C	700	mg/L
8	I390	Nitrate (as N)	1.3	mg/L
9	I700	Specific Conductance at 25C	1000	umhos/cm
10	I730	Sulfate, Turbidimetric (as SO4)	70	mg/L
11	I610	Solids, Suspended at 103C	< 10	mg/L
12	I620	Solids, Total at 103C	770	mg/L
13	I106	Carbon, Organic - Nonpurgeable	770 J	mg/L
20	DPACK	CLP Data Package Deliverable	DONE	

COMMENTS:

HALLIBURTON NUS
Environmental Laboratories

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August 07, 1991
Report No.: 00001846
Section A Page 23

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

SAMPLE ID: TCC-SW21-W-0001
NUS SAMPLE NO: P0167659
P.O. NO.:

DATE SAMPLED: 07-JUL-91
DATE RECEIVED: 09-JUL-91
APPROVED BY: J Simanic

LN	TEST CODE	DETERMINATION	RESULT	UNITS
3	ACLPW	TAL METALS & CLP DATA PACKAGE	DONE	
4	I023	Alkalinity, Total (as CaCO3)	240	mg/L
5	I120	COD(O2)	< 5	mg/L
6	I130	Chloride (Cl)	32 J	mg/L
7	I590	Solids, Dissolved at 180C	350	mg/L
8	I390	Nitrate (as N)	1.9	mg/L
9	I700	Specific Conductance at 25C	470	umhos/cm
10	I730	Sulfate, Turbidimetric (as SO4)	27	mg/L
11	I610	Solids, Suspended at 103C	< 10	mg/L
12	I620	Solids, Total at 103C	370	mg/L
13	I106	Carbon, Organic - Nonpurgeable	370 J	mg/L
16	OSVIXW	APPENDIX IX SEMIVOLATILES IN WATER Data Package	DONE	
20	DPACK	CLP Data Package Deliverable	DONE	

COMMENTS:

CLIENT ORIGINAL

HALLIBURTON NUS
Environmental Laboratories

5350 Campbells Run Road
Pittsburgh, PA 15205
800-228-6870

6751-L Engle Road
Cleveland, OH 44130
216-891-4700

August 07, 1991
Report No.: 00001846
Section A Page 23

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

SAMPLE ID: TCC-SW21-W-0001
NUS SAMPLE NO: P0167659
P.O. NO.:

DATE SAMPLED: 07-JUL-91
DATE RECEIVED: 09-JUL-91
APPROVED BY: J Simanic

LN	TEST CODE	DETERMINATION	RESULT	UNITS
3	ACLPW	TAL METALS & CLP DATA PACKAGE	DONE	
4	I023	Alkalinity, Total (as CaCO3)	240	mg/L
5	I120	COD(O2)	< 5	mg/L
6	I130	Chloride (Cl)	32 J	mg/L
7	I590	Solids, Dissolved at 180C	350	mg/L
8	I390	Nitrate (as N)	1.9	mg/L
9	I700	Specific Conductance at 25C	470	umhos/cm
10	I730	Sulfate, Turbidimetric (as SO4)	27	mg/L
11	I610	Solids, Suspended at 103C	< 10	mg/L
12	I620	Solids, Total at 103C	370	mg/L
13	I106	Carbon, Organic - Nonpurgeable	370 J	mg/L
16	OSVIXW	APPENDIX IX SEMIVOLATILES IN WATER		
		Data Package	DONE	
20	DPACK	CLP Data Package Deliverable	DONE	

COMMENTS:

CLIENT ORIGINAL

HALLIBURTON NUS
Environmental Laboratories

5350 Campbells Run Road
Pittsburgh, PA 15205
800-228-6870

6751-L Engle Road
Cleveland, OH 44130
216-891-4700

August 07, 1991
Report No.: 00001844
Section A Page 17

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

SAMPLE ID: TEC-SW22-W-0001
NUS SAMPLE NO: P0167577
P.O. NO.:

DATE SAMPLED: 04-JUL-91
DATE RECEIVED: 06-JUL-91
APPROVED BY: J Simanic

LN	TEST CODE	DETERMINATION	RESULT	UNITS
3	ACLPW	TAL METALS & CLP DATA PACKAGE	DONE	
4	I023	Alkalinity, Total (as CaCO3)	87	mg/L
5	I120	COD(O2)	53	mg/L
6	I130	Chloride (Cl)	5 J	mg/l
7	I590	Solids, Dissolved at 180C	160	mg/L
8	I390	Nitrate (as N)	0.2	mg/L
9	I700	Specific Conductance at 25C	150	umhos/cm
10	I730	Sulfate, Turbidimetric (as SO4)	19	mg/L
11	I610	Solids, Suspended at 103C	18	mg/L
12	I620	Solids, Total at 103C	190	mg/L
13	I106	Carbon, Organic - Nonpurgeable	15 J	mg/L
14	I315	Halogens, Total Organic (TOX)	34 J	ug/L
15	I500	Phenolics	< 0.01	mg/L
19	DPACK	CLP Data Package Deliverable	DONE	
20	G121WC	PESTICIDES + CLP DATA PACKAGE - WATER Data Package - Pesticides	DONE	

COMMENTS:

CLIENT ORIGINAL

HALLIBURTON NUS
Environmental Laboratories

5350 Campbells Run Road
Pittsburgh, PA 15205
800-228-6870

6751-L Engle Road
Cleveland OH 44130
216-891-4700

August 07, 1991
Report No.: 00001844
Section A Page 17

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

SAMPLE ID: TEC-SW22-W-0001
NUS SAMPLE NO: P0167577
P.O. NO.:

DATE SAMPLED: 04-JUL-91
DATE RECEIVED: 06-JUL-91
APPROVED BY: J Simanic

LN	TEST CODE	DETERMINATION	RESULT	UNITS
3	ACLPW	TAL METALS & CLP DATA PACKAGE	DONE	
4	I023	Alkalinity, Total (as CaCO3)	87	mg/L
5	I120	COD(O2)	53	mg/L
6	I130	Chloride (Cl)	5 J	mg/l
7	I590	Solids, Dissolved at 180C	160	mg/L
8	I390	Nitrate (as N)	0.2	mg/L
9	I700	Specific Conductance at 25C	150	umhos/cm
10	I730	Sulfate, Turbidimetric (as SO4)	19	mg/L
11	I610	Solids, Suspended at 103C	18	mg/L
12	I620	Solids, Total at 103C	190	mg/L
13	I106	Carbon, Organic - Nonpurgeable	15 J	mg/L
14	I315	Halogens, Total Organic (TOX)	34 J	ug/L
15	I500	Phenolics	< 0.01	mg/L
19	DPACK	CLP Data Package Deliverable	DONE	
20	G121WC	PESTICIDES + CLP DATA PACKAGE - WATER		
		Data Package - Pesticides	DONE	

COMMENTS:

STANLEY ENGINEERING, INC.

ALPHA ANALYTICAL LABORATORIES

2700 N.W. 39th Street
Okla. City, Okla. 73112
(405)948-6505

CLIENT & CUSTODY

1 800 - 752 - 4830

Client	HALLIBURTON NUS CORPORATION		
Purchase Order:	91-997844C-K0001		
Requested By:	PHILLIP OTTINGER		
Collected By:	ROBERT KNIGHT/PHILLIP OTTINGER	Date:	7/4 & 7/5, 1991
Delivered By:	PHILLIP OTTINGER	Date:	7/5/91
Received By:	JAMES GAYLOR	Date:	7/5/91
Custody Established (yes or no):	YES		

ANALYTICAL RESULTS

Laboratory Number	Client Sample Number	Analysis Requested (Parameter)	Results (mg/l)*	METHOD
910865	TKC-SW01-W-0001	TURBIDITY	43	EPA 180.1
		NITRITE-N	0.068	EPA 354.1
		BOD5	7.65	STD METH 507
910866	TKC-SW02-W-0001	TURBIDITY	40	EPA 180.1
		NITRITE-N	0.072	EPA 354.1
		BOD5	7.15	STD METH 507
910867	TKC-SW03-W-0001	TURBIDITY	2	EPA 180.1
		NITRITE-N	0.031	EPA 354.1
		BOD5	4.6	STD METH 507
910868	TCC-SW06-W-0001	TURBIDITY	35	EPA 180.1
		NITRITE-N	0.025	EPA 354.1
		BOD5	5.2	STD METH 507
		BOD5 INCUBATED	7/5/91 @ 1530 HRS	
		BOD5 READ	7/10/91 @ 1600 HRS	

* *Results are reported in milligrams per liter unless otherwise stated.*

RESULTS REVIEW & APPROVAL

Chemist of Record:	Azeem Safdar	By:	AS
Date:	15-Jul-91	Time	VARIOUS

CERTIFICATION NUMBER 8417

STANLEY ENGINEERING, INC.

ALPHA ANALYTICAL LABORATORIES

2700 N.W. 39th Street
Okla. City, Okla. 73112
(405)948-6505

CLIENT & CUSTODY

1 800 - 752 - 4830

Client	HALLIBURTON NUS CORPORATION		
Purchase Order:	91-997844C-K0001		
Requested By:	PHILLIP OTTINGER		
Collected By:	ROBERT KNIGHT/PHILLIP OTTINGER	Date:	7/4 & 7/5, 1991
Delivered By:	PHILLIP OTTINGER	Date:	7/5/91
Received By:	JAMES GAYLOR	Date:	7/5/91
Custody Established (yes or no):	YES		

ANALYTICAL RESULTS

Laboratory Number	Client Sample Number	Analysis Requested (Parameter)	Results (mg/l)*	METHOD
910865	TKC-SW01-W-0001	TURBIDITY	43	EPA 180.1
		NITRITE-N	0.068	EPA 354.1
		BOD5	7.65	STD METH 507
910866	TKC-SW02-W-0001	TURBIDITY	40	EPA 180.1
		NITRITE-N	0.072	EPA 354.1
		BOD5	7.15	STD METH 507
910867	TKC-SW03-W-0001	TURBIDITY	2	EPA 180.1
		NITRITE-N	0.031	EPA 354.1
		BOD5	4.6	STD METH 507
910868	TCC-SW06-W-0001	TURBIDITY	35	EPA 180.1
		NITRITE-N	0.025	EPA 354.1
		BOD5	5.2	STD METH 507
		BOD5 INCUBATED	7/5/91 @ 1530 HRS	
		BOD5 READ	7/10/91 @ 1600 HRS	

* *Results are reported in milligrams per liter unless otherwise stated.*

RESULTS REVIEW & APPROVAL

Chemist of Record:	Azeem Safdar	By:	AS
Date:	*15-Jul-91*	Time	VARIOUS

CERTIFICATION NUMBER 8417

STANLEY ENGINEERING, INC.

ALPHA ANALYTICAL LABORATORIES

2700 N.W. 39th Street
Okla. City, Okla. 73112
(405)948-6505
800-752-4830

CLIENT & CUSTODY

Client	HALLIBURTON NUS CORPORATION		
Purchase Order:	91-997844C-K0001		
Requested By:	PHILLIP OTTINGER		
Collected By:	ROBERT KNIGHT/PHILLIP OTTINGER	Date:	7/4 & 7/5, 1991
Delivered By:	PHILLIP OTTINGER	Date:	7/5/91
Received By:	JAMES GAYLOR	Date:	7/5/91
Custody Established (yes or no):	YES		

ANALYTICAL RESULTS

Laboratory Number	Client Sample Number	Analysis Requested (Parameter)	Results (mg/l)*	METHOD
910869	TCC-SW06-C-0001	TURBIDITY	56	EPA 180.1
		NITRITE-N	0.026	EPA 354.1
		BOD5	5	STD METH 507
910870	TKC-SW04-W-0001	TURBIDITY	37	EPA 180.1
		NITRITE-N	0.174	EPA 354.1
		BOD5	4.9	STD METH 507
910871	TEC-SW22-W-0001	TURBIDITY	58	EPA 180.1
		NITRITE-N	0.006	EPA 354.1
		BOD5	5.95	STD METH 507
		BOD5 INCUBATED	7/5/91 @ 1530 HRS	
		BOD5 READ	7/10/91 @ 1600 HRS	

* *Results are reported in milligrams per liter unless otherwise stated.*

RESULTS REVIEW & APPROVAL

Chemist of Record:	Azeem Safdar	By:	AZ
Date:	15-Jul-91	Time	VARIOUS

CERTIFICATION NUMBER 8417

STANLEY ENGINEERING, INC.

ALPHA ANALYTICAL LABORATORIES

2700 N.W. 39th Street
Okla. City, Okla. 73112
(405)948-6505

CLIENT & CUSTODY

800 - 752 - 4830

Client	HALLIBURTON NUS CORPORATION		
Purchase Order:	91-997844C-K0001		
Requested By:	PHILLIP OTTINGER		
Collected By:	ROBERT KNIGHT/PHILLIP OTTINGER	Date:	7/4 & 7/5, 1991
Delivered By:	PHILLIP OTTINGER	Date:	7/5/91
Received By:	JAMES GAYLOR	Date:	7/5/91
Custody Established (yes or no):	YES		

ANALYTICAL RESULTS

Laboratory Number	Client Sample Number	Analysis Requested (Parameter)	Results (mg/l)*	METHOD
910869	TCC-SW06-C-0001	TURBIDITY	56	EPA 180.1
		NITRITE-N	0.026	EPA 354.1
		BOD5	5	STD METH 507
910870	TKC-SW04-W-0001	TURBIDITY	37	EPA 180.1
		NITRITE-N	0.174	EPA 354.1
		BOD5	4.9	STD METH 507
910871	TEC-SW22-W-0001	TURBIDITY	58	EPA 180.1
		NITRITE-N	0.006	EPA 354.1
		BOD5	5.95	STD METH 507
		BOD5 INCUBATED	7/5/91 @ 1530 HRS	
		BOD5 READ	7/10/91 @ 1600 HRS	

* *Results are reported in milligrams per liter unless otherwise stated.*

RESULTS REVIEW & APPROVAL

Chemist of Record:	Azeem Safdar	By:	AE
Date:	15-Jul-91	Time	VARIOUS

CERTIFICATION NUMBER 8417

STANLEY ENGINEERING, INC.

ALPHA ANALYTICAL LABORATORIES

2700 N.W. 39th Street
Okla. City, Okla. 73112
(405)948-6505

CLIENT & CUSTODY

1 800 - 752 - 4830

Client	HALLIBURTON NUS CORPORATION		
Purchase Order:	91-997844C-K0001		
Requested By:	PHILLIP OTTINGER		
Collected By:	ROBERT KNIGHT/PHILLIP OTTINGER	Date:	7/5 & 7/6, 1991
Delivered By:	PHILLIP OTTINGER	Date:	7/6/91
Received By:	JAMES GAYLOR	Date:	7/6/91
Custody Established (yes or no):	YES		

ANALYTICAL RESULTS

Laboratory Number	Client Sample Number	Analysis Requested (Parameter)	Results (mg/l)*	METHOD
910872	TCC-SW07-W-0001	TURBIDITY	36	EPA 180.1
		NITRITE-N	0.017	EPA 354.1
		BOD5	6.6	STD METH 507
910873	TCC-SW08-W-0001	TURBIDITY	42	EPA 180.1
		NITRITE-N	0.013	EPA 354.1
		BOD5	5.05	STD METH 507
910874	TCC-SW09-W-0001	TURBIDITY	14	EPA 180.1
		NITRITE-N	0.012	EPA 354.1
		BOD5	4.95	STD METH 507
		BOD5 INCUBATED	7/6/91 @ 1400 HRS	
		BOD5 READ	7/11/91 @ 1500 HRS	

* *Results are reported in milligrams per liter unless otherwise stated.*

RESULTS REVIEW & APPROVAL

Chemist of Record:	Azeem Safdar	By:	
Date:	15-Jul-91	Time	VARIOUS

CERTIFICATION NUMBER 8417

STANLEY ENGINEERING, INC.

ALPHA ANALYTICAL LABORATORIES

2700 N.W. 39th Street
Okla. City, Okla. 73112
(405)948-6505
1 800 - 752 - 4830

CLIENT & CUSTODY

Client	HALLIBURTON NUS CORPORATION		
Purchase Order:	91-997844C-K0001		
Requested By:	PHILLIP OTTINGER		
Collected By:	ROBERT KNIGHT/PHILLIP OTTINGER	Date:	7/5 & 7/6, 1991
Delivered By:	PHILLIP OTTINGER	Date:	7/6/91
Received By:	JAMES GAYLOR	Date:	7/6/91
Custody Established (yes or no):	YES		

ANALYTICAL RESULTS

Laboratory Number	Client Sample Number	Analysis Requested (Parameter)	Results (mg/l)*	METHOD
910872	TCC-SW07-W-0001	TURBIDITY	36	EPA 180.1
		NITRITE-N	0.017	EPA 354.1
		BOD5	6.6	STD METH 507
910873	TCC-SW08-W-0001	TURBIDITY	42	EPA 180.1
		NITRITE-N	0.013	EPA 354.1
		BOD5	5.05	STD METH 507
910874	TCC-SW09-W-0001	TURBIDITY	14	EPA 180.1
		NITRITE-N	0.012	EPA 354.1
		BOD5	4.95	STD METH 507
		BOD5 INCUBATED	7/6/91 @ 1400 HRS	
		BOD5 READ	7/11/91 @ 1500 HRS	

* *Results are reported in milligrams per liter unless otherwise stated.*

RESULTS REVIEW & APPROVAL

Chemist of Record:	Azeem Safdar	By:	
Date:	15-Jul-91	Time	VARIOUS

CERTIFICATION NUMBER 8417

STANLEY ENGINEERING, INC.

ALPHA ANALYTICAL LABORATORIES

2700 N.W. 39th Street
Okla. City, Okla. 73112
(405)948-6505
1 800 - 752 - 4830

CLIENT & CUSTODY

Client	HALLIBURTON NUS CORPORATION		
Purchase Order:	91-997844C-K0001		
Requested By:	PHILLIP OTTINGER		
Collected By:	ROBERT KNIGHT/ PHILLIP OTTENGER	Date:	7/5 & 7/6, 1991
Delivered By:	PHILLIP OTTINGER	Date:	7/6/91
Received By:	JAMES GAYLOR	Date:	7/6/91
Custody Established (yes or no):	YES		

ANALYTICAL RESULTS

Laboratory Number	Client Sample Number	Analysis Requested (Parameter)	Results (mg/l)*	METHOD
910875	TCC-SW10-W-0001	Turbidity Nitrite-N BOD5	36 NTU 0.012 6.85	EPA 180.1 EPA 354.1 Std. Method 507
910876	TCC-SW14-W-0001	Turbidity Nitrite-N BOD5	37 NTU 0.007 6	EPA 180.1 EPA 354.1 Std. Method 507

BOD5 incubated 7/6/91 @ 1400 hours
BOD5 read 7/11/91 @ 1500 hours

* *Results are reported in milligrams per liter unless otherwise stated.*

RESULTS REVIEW & APPROVAL

Chemist of Record:	S. Azeem	By:	
Date:	15-Jul-91	Time	VARIOUS

CERTIFICATION NUMBER 8417

STANLEY ENGINEERING, INC.

ALPHA ANALYTICAL LABORATORIES

2700 N.W. 39th Street
Okla. City, Okla. 73112
(405)948-6505
1 800 - 752 - 4830

CLIENT & CUSTODY

Client	HALLIBURTON NUS CORPORATION		
Purchase Order:	91-997844C-K0001		
Requested By:	PHILLIP OTTINGER		
Collected By:	ROBERT KNIGHT/ PHILLIP OTTENGER	Date:	7/5 & 7/6, 1991
Delivered By:	PHILLIP OTTINGER	Date:	7/6/91
Received By:	JAMES GAYLOR	Date:	7/6/91
Custody Established (yes or no):	YES		

ANALYTICAL RESULTS

Laboratory Number	Client Sample Number	Analysis Requested (Parameter)	Results (mg/l)*	METHOD
910875	TCC-SW10-W-0001	Turbidity	36 NTU	EPA 180.1
		Nitrite-N	0.012	EPA 354.1
		BOD5	6.85	Std. Method 507
910876	TCC-SW14-W-0001	Turbidity	37 NTU	EPA 180.1
		Nitrite-N	0.007	EPA 354.1
		BOD5	6	Std. Method 507

BOD5 incubated 7/6/91 @ 1400 hours
BOD5 read 7/11/91 @ 1500 hours

* *Results are reported in milligrams per liter unless otherwise stated.*

RESULTS REVIEW & APPROVAL

Chemist of Record:	S. Azeem	By:	
Date:	15-Jul-91	Time	VARIOUS

CERTIFICATION NUMBER 8417

STANLEY ENGINEERING, INC.

ALPHA ANALYTICAL LABORATORIES

2700 N.W. 39th Street
Okla. City, Okla. 73112
(405)948-6505

CLIENT & CUSTODY

1 800 - 752 - 4830

Client	HALLIBURTON NUS CORPORATION		
Purchase Order:	91-997844C-K0001		
Requested By:	PHILLIP OTTINGER		
Collected By:	ROBERT KNIGHT/PHILLIP OTTINGER	Date:	7/7 & 7/8, 1991
Delivered By:	PHILLIP OTTINGER	Date:	7/8/91
Received By:	JAMES GAYLOR	Date:	7/8/91
Custody Established (yes or no):	YES		

ANALYTICAL RESULTS

Laboratory Number	Client Sample Number	Analysis Requested (Parameter)	Results (mg/l)*	METHOD
910877	TCC-SW11-W-0001	TURBIDITY	32.0 NTU	EPA 180.1
		NITRITE-N	0.013	EPA 354.1
		BOD5	3.4	STD METH 507
910878	TCC-SW12-W-0001	TURBIDITY	17.0 NTU	EPA 180.1
		NITRITE-N	0.005	EPA 354.1
		BOD5	3	STD METH 507
910879	TCC-SW15-W-001	TURBIDITY	27.0 NTU	EPA 180.1
		NITRITE-N	0.01	EPA 354.1
		BOD5	3.1	STD METH 507
910880	TCC-SW16-W-001	TURBIDITY	19.0 NTU	EPA 180.1
		NITRITE-N	0.015	EPA 354.1
		BOD5	2.6	STD METH 507
		BOD5 INCUBATED	7/8/91 @ 1700 HRS	
		BOD5 READ	7/13/91 @ 1700 HRS	

* *Results are reported in milligrams per liter unless otherwise stated.*

RESULTS REVIEW & APPROVAL

Chemist of Record:	Azeem Safdar	By:	AS
Date:	15-Jul-91	Time	VARIOUS

CERTIFICATION NUMBER 8417

STANLEY ENGINEERING, INC.

ALPHA ANALYTICAL LABORATORIES

2700 N.W. 39th Street
Okla. City, Okla. 73112
(405)948-6505

CLIENT & CUSTODY

1 800 - 752 - 4830

Client	HALLIBURTON NUS CORPORATION		
Purchase Order:	91-997844C-K0001		
Requested By:	PHILLIP OTTINGER		
Collected By:	ROBERT KNIGHT/PHILLIP OTTINGER	Date:	7/7 & 7/8, 1991
Delivered By:	PHILLIP OTTINGER	Date:	7/8/91
Received By:	JAMES GAYLOR	Date:	7/8/91
Custody Established (yes or no):	YES		

ANALYTICAL RESULTS

Laboratory Number	Client Sample Number	Analysis Requested (Parameter)	Results (mg/l)*	METHOD
910877	TCC-SW11-W-0001	TURBIDITY	32.0 NTU	EPA 180.1
		NITRITE-N	0.013	EPA 354.1
		BOD5	3.4	STD METH 507
910878	TCC-SW12-W-0001	TURBIDITY	17.0 NTU	EPA 180.1
		NITRITE-N	0.005	EPA 354.1
		BOD5	3	STD METH 507
910879	TCC-SW15-W-001	TURBIDITY	27.0 NTU	EPA 180.1
		NITRITE-N	0.01	EPA 354.1
		BOD5	3.1	STD METH 507
910880	TCC-SW16-W-001	TURBIDITY	19.0 NTU	EPA 180.1
		NITRITE-N	0.015	EPA 354.1
		BOD5	2.6	STD METH 507
		BOD5 INCUBATED	7/8/91 @ 1700 HRS	
		BOD5 READ	7/13/91 @ 1700 HRS	

* *Results are reported in milligrams per liter unless otherwise stated.*

RESULTS REVIEW & APPROVAL

Chemist of Record:	Azeem Safdar	By:	AS
Date:	15-Jul-91	Time	VARIOUS

CERTIFICATION NUMBER 8417

STANLEY ENGINEERING, INC.

ALPHA ANALYTICAL LABORATORIES

2700 N.W. 39th Street
Okla. City, Okla. 73112
(405)948-6505
1-800-752-4830

CLIENT & CUSTODY

Client	HALLIBURTON NUS CORPORATION		
Purchase Order:	91-997844C-K0001		
Requested By:	PHILLIP OTTINGER		
Collected By:	ROBERT KNIGHT/PHILLIP OTTINGER	Date:	7/7 & 7/8, 1991
Delivered By:	PHILLIP OTTINGER	Date:	7/8/91
Received By:	JAMES GAYLOR	Date:	7/8/91
Custody Established (yes or no):	YES		

ANALYTICAL RESULTS

Laboratory Number	Client Sample Number	Analysis Requested (Parameter)	Results (mg/l)*	METHOD
910885	TCC-SW5 W-0001	TURBIDITY	8.0 NTU	EPA 180.1
		NITRITE-N	0.211	EPA 354.1
		BOD5	3.9	STD METH 507
910886	TCC-SW21-W-0001	TURBIDITY	16.0 NTU	EPA 180.1
		NITRITE-N	0.024	EPA 354.1
		BOD5	4.2	STD METH 507
910887	TCC-SW19-W-0001	TURBIDITY	15.0 NTU	EPA 180.1
		NITRITE-N	0.041	EPA 354.1
		BOD5	3.6	STD METH 507
		BOD5 INCUBATED	7/8/91 @ 1700 HRS	
		BOD5 READ	7/13/91 @ 1700 HRS	

* *Results are reported in milligrams per liter unless otherwise stated.*

RESULTS REVIEW & APPROVAL

Chemist of Record:	Azeem Safdar	By:	[signature]
Date:	15-Jul-91	Time	VARIOUS

CERTIFICATION NUMBER 8412

STANLEY ENGINEERING, INC.

ALPHA ANALYTICAL LABORATORIES

2700 N.W. 39th Street
Okla. City, Okla. 73112
(405)948-6505
1 800 - 752 - 4830

CLIENT & CUSTODY

Client	HALLIBURTON NUS CORPORATION		
Purchase Order:	91-997844C-K0001		
Requested By:	PHILLIP OTTINGER		
Collected By:	ROBERT KNIGHT/PHILLIP OTTINGER	Date:	7/7 & 7/8, 1991
Delivered By:	PHILLIP OTTINGER	Date:	7/8/91
Received By:	JAMES GAYLOR	Date:	7/8/91
Custody Established (yes or no):	YES		

ANALYTICAL RESULTS

Laboratory Number	Client Sample Number	Analysis Requested (Parameter)	Results (mg/l)*	METHOD
910885	TCC-SW5 W-0001	TURBIDITY	8.0 NTU	EPA 180.1
		NITRITE-N	0.211	EPA 354.1
		BOD5	3.9	STD METH 507
910886	TCC-SW21-W-0001	TURBIDITY	16.0 NTU	EPA 180.1
		NITRITE-N	0.024	EPA 354.1
		BOD5	4.2	STD METH 507
910887	TCC-SW19-W-0001	TURBIDITY	15.0 NTU	EPA 180.1
		NITRITE-N	0.041	EPA 354.1
		BOD5	3.6	STD METH 507
		BOD5 INCUBATED	7/8/91 @ 1700 HRS	
		BOD5 READ	7/13/91 @ 1700 HRS	

* *Results are reported in milligrams per liter unless otherwise stated.*

RESULTS REVIEW & APPROVAL

Chemist of Record:	Azeem Safdar	By:	
Date:	15-Jul-91	Time	VARIOUS

CERTIFICATION NUMBER 8417

STANLEY ENGINEERING, INC.

ALPHA ANALYTICAL LABORATORIES

2700 N.W. 39th Street
Okla. City, Okla. 73112
(405)948-6505

CLIENT & CUSTODY

1 800 - 752 - 4830

Client	HALLIBURTON NUS CORPORATION		
Purchase Order:	91-997844C-K0001		
Requested By:	PHILLIP OTTINGER		
Collected By:	ROBERT KNIGHT/ PHILLIP OTTENGER	Date:	7/7 & 7/8, 1991
Delivered By:	PHILLIP OTTINGER	Date:	7/8/91
Received By:	JAMES GAYLOR	Date:	7/8/91
Custody Established (yes or no):	YES		

ANALYTICAL RESULTS

Laboratory Number	Client Sample Number	Analysis Requested (Parameter)	Results (mg/l)*	METHOD
910881	TCC-SW17-W-0001	Turbidity Nitrite-N BOD5	37.0 NTU 0.025 3	EPA 180.1 EPA 354.1 Std. Method 507
910882	TCC-SW18-W-0001	Turbidity Nitrite-N BOD5	66.0 NTU 0.308 5.65	EPA 180.1 EPA 354.1 Std. Method 507
910883	TCC-SW20-W-0001	Turbidity Nitrite-N BOD5	8.0 NTU 0.007 2.8	EPA 180.1 EPA 354.1 Std. Method 507
910884	TCC-SW20-C-0001	Turbidity Nitrite-N BOD5	8.0 NTU 0.005 2.1	EPA 180.1 EPA 354.1 Std. Method 507

BOD5 incubated 7/8/91 @ 1700 hours
BOD5 read 7/13/91 @ 1700 hours

* *Results are reported in milligrams per liter unless otherwise stated.*

RESULTS REVIEW & APPROVAL

Chemist of Record:	S. Azeem	By:	
Date:	15-Jul-91	Time	VARIOUS

CERTIFICATION NUMBER 8417

STANLEY ENGINEERING, INC.

ALPHA ANALYTICAL LABORATORIES

2700 N.W. 39th Street
Okla. City, Okla. 73112
(405)948-6505
1 800 - 752 - 4830

CLIENT & CUSTODY

Client	HALLIBURTON NUS CORPORATION		
Purchase Order:	91-997844C-K0001		
Requested By:	PHILLIP OTTINGER		
Collected By:	ROBERT KNIGHT/ PHILLIP OTTENGER	Date:	7/7 & 7/8, 1991
Delivered By:	PHILLIP OTTINGER	Date:	7/8/91
Received By:	JAMES GAYLOR	Date:	7/8/91
Custody Established (yes or no):	YES		

ANALYTICAL RESULTS

Laboratory Number	Client Sample Number	Analysis Requested (Parameter)	Results (mg/l)*	METHOD
910881	TCC-SW17-W-0001	Turbidity Nitrite-N BOD5	37.0 NTU 0.025 3	EPA 180.1 EPA 354.1 Std. Method 507
910882	TCC-SW18-W-0001	Turbidity Nitrite-N BOD5	66.0 NTU 0.308 5.65	EPA 180.1 EPA 354.1 Std. Method 507
910883	TCC-SW20-W-0001	Turbidity Nitrite-N BOD5	8.0 NTU 0.007 2.8	EPA 180.1 EPA 354.1 Std. Method 507
910884	TCC-SW20-C-0001	Turbidity Nitrite-N BOD5	8.0 NTU 0.005 2.1	EPA 180.1 EPA 354.1 Std. Method 507

BOD5 incubated 7/8/91 @ 1700 hours
BOD5 read 7/13/91 @ 1700 hours

* *Results are reported in milligrams per liter unless otherwise stated.*

RESULTS REVIEW & APPROVAL

Chemist of Record:	S. Azeem	By:	
Date:	15-Jul-91	Time	VARIOUS

CERTIFICATION NUMBER 8417

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E-10

CONTAMINANT INDICATOR COMPOUNDS IN SURFACE WATER - OCTOBER 1991

E-10

CONTAMINANT INDICATOR COMPOUNDS IN SURFACE WATER - OCTOBER 1991

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HALLIBURTON NUS
Environmental Corporation

LABORATORY SERVICES DIVISION
900 GEMINI AVENUE
HOUSTON, TX 77058
713-488-1810

November 26, 1991
Report No.: 00014656
Section A Page 4

LABORATORY ANALYSIS REPORT

CLIENT NAME: HALLIBURTON NUS ENVRIONMENTAL/TI
ADDRESS: 800 OAKRIDGE TURNPIKE, C-200
OAK RIDGE, TN 37830-
ATTENTION: PHIL OTTINGER

NUS CLIENT NO: 0191 0023
WORK ORDER NO: 3K920
VENDOR NO:

SAMPLE ID: TCC-SW13-W0001
NUS SAMPLE NO: H0187475
P.O. NO.:

DATE SAMPLED: 26-OCT-91
DATE RECEIVED: 31-OCT-91
APPROVED BY: R Mayo

LN	TEST CODE	DETERMINATION	RESULT	UNITS
1	ACLPW	TAL METALS AND CLP DATA PACKAGE	Done	
2	I023	Alkalinity, Total (as CaCO3)	140	mg/L
3	I120	COD(O2)	18 J	mg/L
4	I130	Chloride (Cl)	12	mg/L
5	I620	Solids, Total at 103C	214	mg/L
6	I610	Solids, Suspended at 103C	< 10 UJ	mg/L
7	I590	Solids, Dissolved at 180C	214	mg/L
8	I106	Carbon, Organic - Nonpurgeable	7	mg/L
9	I730	Sulfate, Turbidimetric (as SO4)	19	mg/L
10	I500	Phenolics	< 0.01	mg/L
11	I315	Halogens, Total Organic (TOX)	140 J	ug/L
12	DPACK	CLP Data Package Deliverable	done	

COMMENTS:

HALLIBURTON NUS
Environmental Corporation

LABORATORY SERVICES DIVISION
900 GEMINI AVENUE
HOUSTON, TX 77058
713-488-1810

November 26, 1991
Report No.: 00014656
Section A Page 4

LABORATORY ANALYSIS REPORT

CLIENT NAME: HALLIBURTON NUS ENVRIONMENTAL/TI
ADDRESS: 800 OAKRIDGE TURNPIKE, C-200
OAK RIDGE, TN 37830-
ATTENTION: PHIL OTTINGER

NUS CLIENT NO: 0191 0023
WORK ORDER NO: 3K920
VENDOR NO:

SAMPLE ID: TCC-SW13-W0001
NUS SAMPLE NO: H0187475
P.O. NO.:

DATE SAMPLED: 26-OCT-91
DATE RECEIVED: 31-OCT-91
APPROVED BY: R Mayo

LN	TEST CODE	DETERMINATION	RESULT	UNITS
1	ACLPW	TAL METALS AND CLP DATA PACKAGE	Done	
2	I023	Alkalinity, Total (as CaCO3)	140	mg/L
3	I120	COD(O2)	18 J	mg/L
4	I130	Chloride (Cl)	12	mg/L
5	I620	Solids, Total at 103C	214	mg/L
6	I610	Solids, Suspended at 103C	< 10 UJ	mg/L
7	I590	Solids, Dissolved at 180C	214	mg/L
8	I106	Carbon, Organic - Nonpurgeable	7	mg/L
9	I730	Sulfate, Turbidimetric (as SO4)	19	mg/L
10	I500	Phenolics	< 0.01	mg/L
11	I315	Halogens, Total Organic (TOX)	140 J	ug/L
12	DPACK	CLP Data Package Deliverable	done	

COMMENTS:

HALLIBURTON NUS
Environmental Corporation

LABORATORY SERVICES DIVISION
900 GEMINI AVENUE
HOUSTON, TX 77058
713-488-1810

November 26, 1991
Report No.: 00014656
Section A Page 1

LABORATORY ANALYSIS REPORT

CLIENT NAME: HALLIBURTON NUS ENVRIONMENTAL/TI
ADDRESS: 800 OAKRIDGE TURNPIKE, C-200
OAK RIDGE, TN 37830-
ATTENTION: PHIL OTTINGER

NUS CLIENT NO: 0191 0023
WORK ORDER NO: 3K920
VENDOR NO:

SAMPLE ID: TCC-SW13-C0001
NUS SAMPLE NO: H0187472
P.O. NO.:

FIELD DUPLICATE OF TCC-SW13-W0001

DATE SAMPLED: 26-OCT-91
DATE RECEIVED: 31-OCT-91
APPROVED BY: R Mayo

LN	TEST CODE	DETERMINATION	RESULT	UNIT
1	ACLPW	TAL METALS AND CLP DATA PACKAGE	Done	
2	I023	Alkalinity, Total (as CaCO3)	140	mg/L
3	I120	COD(O2)	24 J	mg/L
4	I130	Chloride (Cl)	11	mg/L
5	I620	Solids, Total at 103C	230	mg/L
6	I610	Solids, Suspended at 103C	< 10 UJ	mg/L
7	I590	Solids, Dissolved at 180C	221	mg/L
8	I106	Carbon, Organic - Nonpurgeable	7	mg/L
9	I730	Sulfate, Turbidimetric (as SO4)	19	mg/L
10	I500	Phenolics	< 0.01	mg/L
11	I315	Halogens, Total Organic (TOX)	< 10 UJ	ug/L
13	DPACK	CLP Data Package Deliverable	done	

COMMENTS: CCV Percent Recoveries for COD were 100, 96, and 100. ICV = 96.
CCV Percent Recoveries for Total Alkalinity were 100. ICV = 104.
CCV Percent Recoveries for Phenolics were 94. ICV = 100.
CCV Percent Recoveries for TOC were 99. ICV = 100.

HALLIBURTON NUS
Environmental Corporation

LABORATORY SERVICES DIVISION
900 GEMINI AVENUE
HOUSTON, TX 77058
713-488-1810

November 26, 1991
Report No.: 00014656
Section A Page 1

LABORATORY ANALYSIS REPORT

CLIENT NAME: HALLIBURTON NUS ENVRIONMENTAL/TI
ADDRESS: 800 OAKRIDGE TURNPIKE, C-200
OAK RIDGE, TN 37830-
ATTENTION: PHIL OTTINGER

NUS CLIENT NO: 0191 0023
WORK ORDER NO: 3K920
VENDOR NO:

SAMPLE ID: TCC-SW13-C0001
NUS SAMPLE NO: H0187472
P.O. NO.:

FIELD DUPLICATE OF TCC-SW13-H0001

DATE SAMPLED: 26-OCT-91
DATE RECEIVED: 31-OCT-91
APPROVED BY: R Mayo

LN	TEST CODE	DETERMINATION	RESULT	UNIT
1	ACLPW	TAL METALS AND CLP DATA PACKAGE	Done	
2	I023	Alkalinity, Total (as CaCO3)	140	mg/L
3	I120	COD(O2)	24 J	mg/L
4	I130	Chloride (Cl)	11	mg/L
5	I620	Solids, Total at 103C	230	mg/L
6	I610	Solids, Suspended at 103C	< 10 UJ	mg/L
7	I590	Solids, Dissolved at 180C	221	mg/L
8	I106	Carbon, Organic - Nonpurgeable	7	mg/L
9	I730	Sulfate, Turbidimetric (as SO4)	19	mg/L
10	I500	Phenolics	< 0.01	mg/L
11	I315	Halogens, Total Organic (TOX)	< 10 UJ	ug/L
13	DPACK	CLP Data Package Deliverable	done	

COMMENTS: CCV Percent Recoveries for COD were 109, 98, and 100. ICV = 96.
CCV Percent Recoveries for Total Alkalinity were 100. ICV = 104.
CCV Percent Recoveries for Phenolics were 94. ICV = 100.
CCV Percent Recoveries for TOC were 99. ICV = 100.

HALLIBURTON NUS
Environmental Corporation

LABORATORY SERVICES DIVISION
900 GEMINI AVENUE
HOUSTON, TX 77058
713-488-1810

November 26, 1991
Report No.: 00014656
Section A Page 5

LABORATORY ANALYSIS REPORT

CLIENT NAME: HALLIBURTON NUS ENVRIONMENTAL/TI
ADDRESS: 800 OAKRIDGE TURNPIKE, C-200
OAK RIDGE, TN 37830-
ATTENTION: PHIL OTTINGER

NUS CLIENT NO: 0191 0023
WORK ORDER NO: 3K920
VENDOR NO:

SAMPLE ID: TEC-SW23-W0001
NUS SAMPLE NO: H0187476
P.O. NO.:

DATE SAMPLED: 26-OCT-91
DATE RECEIVED: 31-OCT-91
APPROVED BY: R Mayo

LN	TEST CODE	DETERMINATION	RESULT	UNITS
1	ACLPW	TAL METALS AND CLP DATA PACKAGE	Done	
2	I023	Alkalinity, Total (as CaCO3)	160	mg/L
3	I120	COD(O2)	72	mg/L
4	I130	Chloride (Cl)	11	mg/L
5	I620	Solids, Total at 103C	314	mg/L
6	I610	Solids, Suspended at 103C	23 J	mg/L
7	I590	Solids, Dissolved at 180C	280	mg/L
8	I106	Carbon, Organic - Nonpurgeable	25	mg/L
9	I730	Sulfate, Turbidimetric (as SO4)	24	mg/L
10	I500	Phenolics	< 0.01	mg/L
11	I315	Halogens, Total Organic (TOX)	56 J	ug/L
12	DPACK	CLP Data Package Deliverable	done	

COMMENTS:

HALLIBURTON NUS
Environmental Corporation

LABORATORY SERVICES DIVISION
900 GEMINI AVENUE
HOUSTON, TX 77058
713-488-1810

November 26, 1991
Report No.: 00014656
Section A Page 5

LABORATORY ANALYSIS REPORT

CLIENT NAME: HALLIBURTON NUS ENVRIONMENTAL/TI
ADDRESS: 800 OAKRIDGE TURNPIKE, C-200
OAK RIDGE, TN 37830-
ATTENTION: PHIL OTTINGER

NUS CLIENT NO: 0191 0023
WORK ORDER NO: 3K920
VENDOR NO:

SAMPLE ID: TEC-SW23-W0001
NUS SAMPLE NO: H0187476
P.O. NO.:

DATE SAMPLED: 26-OCT-91
DATE RECEIVED: 31-OCT-91
APPROVED BY: R Mayo

LN	TEST CODE	DETERMINATION	RESULT	UNITS
1	ACLPW	TAL METALS AND CLP DATA PACKAGE	Done	
2	I023	Alkalinity, Total (as CaCO3)	160	mg/L
3	I120	COD(O2)	72	mg/L
4	I130	Chloride (Cl)	11	mg/L
5	I620	Solids, Total at 103C	314	mg/L
6	I610	Solids, Suspended at 103C	23 J	mg/L
7	I590	Solids, Dissolved at 180C	280	mg/L
8	I106	Carbon, Organic - Nonpurgeable	25	mg/L
9	I730	Sulfate, Turbidimetric (as SO4)	24	mg/L
10	I500	Phenolics	< 0.01	mg/L
11	I315	Halogens, Total Organic (TOX)	56 J	ug/L
12	DPACK	CLP Data Package Deliverable	done	

COMMENTS:

HALLIBURTON NUS
Environmental Corporation

LABORATORY SERVICES DIVISION
900 GEMINI AVENUE
HOUSTON, TX 77058
713-488-1810

November 26, 1991
Report No.: 00014656
Section A Page 6

LABORATORY ANALYSIS REPORT

CLIENT NAME: HALLIBURTON NUS ENVIRONMENTAL/TI
ADDRESS: 800 OAKRIDGE TURNPIKE, C-200
OAK RIDGE, TN 37830-
ATTENTION: PHIL OTTINGER

NUS CLIENT NO: 0191 0023
WORK ORDER NO: 3K920
VENDOR NO:

SAMPLE ID: TEC-SW24-W0001
NUS SAMPLE NO: H0187477
P.O. NO.:

DATE SAMPLED: 26-OCT-91
DATE RECEIVED: 31-OCT-91
APPROVED BY: R Mayo

LN	TEST CODE	DETERMINATION	RESULT	UNITS
1	ACLPW	TAL METALS AND CLP DATA PACKAGE	Done	
2	I023	Alkalinity, Total (as CaCO3)	98	mg/L
3	I120	COD(O2)	54	mg/L
4	I130	Chloride (Cl)	6	mg/L
5	I620	Solids, Total at 103C	189	mg/L
6	I610	Solids, Suspended at 103C	21 J	mg/L
7	I590	Solids, Dissolved at 180C	169	mg/L
8	I106	Carbon, Organic - Nonpurgeable	17	mg/L
9	I730	Sulfate, Turbidimetric (as SO4)	13	mg/L
10	I500	Phenolics	< 0.01	mg/L
11	I315	Halogens, Total Organic (TOX)	12 J	ug/L
12	DPACK	CLP Data Package Deliverable	done	

COMMENTS:

HALLIBURTON NUS
Environmental Corporation

LABORATORY SERVICES DIVISION
900 GEMINI AVENUE
HOUSTON, TX 77058
713-488-1810

November 26, 1991
Report No.: 00014656
Section A Page 6

LABORATORY ANALYSIS REPORT

CLIENT NAME: HALLIBURTON NUS ENVIRONMENTAL/TI
ADDRESS: 800 OAKRIDGE TURNPIKE, C-200
OAK RIDGE, TN 37830-
ATTENTION: PHIL OTTINGER

NUS CLIENT NO: 0191 0023
WORK ORDER NO: 3K920
VENDOR NO:

SAMPLE ID: TEC-SW24-W0001
NUS SAMPLE NO: H0187477
P.O. NO.:

DATE SAMPLED: 26-OCT-91
DATE RECEIVED: 31-OCT-91
APPROVED BY: R Mayo

LN	TEST CODE	DETERMINATION	RESULT	UNITS
1	ACLPW	TAL METALS AND CLP DATA PACKAGE	Done	
2	I023	Alkalinity, Total (as CaCO3)	98	mg/L
3	I120	COD(O2)	54	mg/L
4	I130	Chloride (Cl)	6	mg/L
5	I620	Solids, Total at 103C	189	mg/L
6	I610	Solids, Suspended at 103C	21 J	mg/L
7	I590	Solids, Dissolved at 180C	169	mg/L
8	I106	Carbon, Organic - Nonpurgeable	17	mg/L
9	I730	Sulfate, Turbidimetric (as SO4)	13	mg/L
10	I500	Phenolics	< 0.01	mg/L
11	I315	Halogens, Total Organic (TOX)	12 J	ug/L
12	DPACK	CLP Data Package Deliverable	done	

COMMENTS:

HALLIBURTON NUS
Environmental Corporation

LABORATORY SERVICES DIVISION
900 GEMINI AVENUE
HOUSTON, TX 77058
713-488-1810

November 26, 1991
Report No.: 00014656
Section A Page 7

LABORATORY ANALYSIS REPORT

CLIENT NAME: HALLIBURTON NUS ENVRIONMENTAL/TI
ADDRESS: 800 OAKRIDGE TURNPIKE, C-200
OAK RIDGE, TN 37830-
ATTENTION: PHIL OTTINGER

NUS CLIENT NO: 0191 0023
WORK ORDER NO: 3K920
VENDOR NO:

SAMPLE ID: TCC-SW25-W0001
NUS SAMPLE NO: H0187478
P.O. NO.:

DATE SAMPLED: 28-OCT-91
DATE RECEIVED: 31-OCT-91
APPROVED BY: R Mayo

LN	TEST CODE	DETERMINATION	RESULT	UNITS
1	ACLPW	TAL METALS AND CLP DATA PACKAGE		
2	I023	Alkalinity, Total (as CaCO3)	Done	
3	I120	COD(O2)	94	mg/L
4	I130	Chloride (Cl)	20	mg/L
5	I620	Solids, Total at 103C	9	mg/L
6	I610	Solids, Suspended at 103C	262	mg/L
7	I590	Solids, Dissolved at 180C	69 J	mg/L
8	I106	Carbon, Organic - Nonpurgeable	201	mg/L
9	I730	Sulfate, Turbidimetric (as SO4)	7	mg/L
10	I500	Phenolics	21	mg/L
11	I315	Halogens, Total Organic (TOX)	< 0.01	mg/L
12	DPACK	CLP Data Package Deliverable	37 J	ug/L
			done	

COMMENTS:

HALLIBURTON NUS
Environmental Corporation

LABORATORY SERVICES DIVISION
900 GEMINI AVENUE
HOUSTON, TX 77058
713-488-1810

November 26, 1991
Report No.: 00014656
Section A Page 7

LABORATORY ANALYSIS REPORT

CLIENT NAME: HALLIBURTON NUS ENVRIONMENTAL/TI
ADDRESS: 800 OAKRIDGE TURNPIKE, C-200
OAK RIDGE, TN 37830-
ATTENTION: PHIL OTTINGER

NUS CLIENT NO: 0191 0023
WORK ORDER NO: 3K920
VENDOR NO:

SAMPLE ID: TCC-SW25-W0001
NUS SAMPLE NO: H0187478
P.O. NO.:

DATE SAMPLED: 28-OCT-91
DATE RECEIVED: 31-OCT-91
APPROVED BY: R Mayo

LN	TEST CODE	DETERMINATION	RESULT	UNITS
1	ACLPW	TAL METALS AND CLP DATA PACKAGE	Done	
2	I023	Alkalinity, Total (as CaCO3)	94	mg/L
3	I120	COD(O2)	20	mg/L
4	I130	Chloride (Cl)	9	mg/L
5	I620	Solids, Total at 103C	262	mg/L
6	I610	Solids, Suspended at 103C	69 J	mg/L
7	I590	Solids, Dissolved at 180C	201	mg/L
8	I106	Carbon, Organic - Nonpurgeable	7	mg/L
9	I730	Sulfate, Turbidimetric (as SO4)	21	mg/L
10	I500	Phenolics	< 0.01	mg/L
11	I315	Halogens, Total Organic (TOX)	37 J	ug/L
12	DPACK	CLP Data Package Deliverable	done	

COMMENTS:

HALLIBURTON NUS
Environmental Corporation

LABORATORY SERVICES DIVISION
900 GEMINI AVENUE
HOUSTON, TX 77058
713-488-1810

November 26, 1991
Report No.: 00014656
Section A Page 8

LABORATORY ANALYSIS REPORT

CLIENT NAME: HALLIBURTON NUS ENVRIONMENTAL/TI
ADDRESS: 800 OAKRIDGE TURNPIKE, C-200
OAK RIDGE, TN 37830-
ATTENTION: PHIL OTTINGER

NUS CLIENT NO: 0191 0023
WORK ORDER NO: 3K920
VENDOR NO:

SAMPLE ID: TKC-SW27-W0001
NUS SAMPLE NO: H0187479
P.O. NO.:

DATE SAMPLED: 26-OCT-91
DATE RECEIVED: 31-OCT-91
APPROVED BY: R Mayo

LN	TEST CODE	DETERMINATION	RESULT	UNITS
1	ACLPW	TAL METALS AND CLP DATA PACKAGE	Done	
2	I023	Alkalinity, Total (as CaCO3)	44	mg/L
3	I120	COD(O2)	20	mg/L
4	I130	Chloride (Cl)	3	mg/L
5	I620	Solids, Total at 103C	89	mg/L
6	I610	Solids, Suspended at 103C	13 J	mg/L
7	I590	Solids, Dissolved at 180C	110	mg/L
8	I106	Carbon, Organic - Nonpurgeable	6	mg/L
9	I730	Sulfate, Turbidimetric (as SO4)	8	mg/L
10	I500	Phenolics	< 0.01	mg/L
11	I315	Halogens, Total Organic (TOX)	< 10 UJ	ug/L
12	I390	Nitrate (as N)	0.2	mg/L
15	DPACK	CLP Data Package Deliverable	done	

COMMENTS:

HALLIBURTON NUS
Environmental Corporation

LABORATORY SERVICES DIVISION
900 GEMINI AVENUE
HOUSTON, TX 77058
713-488-1810

November 26, 1991
Report No.: 00014656
Section A Page 8

LABORATORY ANALYSIS REPORT

CLIENT NAME: HALLIBURTON NUS ENVRIONMENTAL/TI
ADDRESS: 800 OAKRIDGE TURNPIKE, C-200
OAK RIDGE, TN 37830-
ATTENTION: PHIL OTTINGER

NUS CLIENT NO: 0191 0023
WORK ORDER NO: 3K920
VENDOR NO:

SAMPLE ID: TKC-SW27-W0001
NUS SAMPLE NO: H0187479
P.O. NO.:

DATE SAMPLED: 26-OCT-91
DATE RECEIVED: 31-OCT-91
APPROVED BY: R Mayo

LN	TEST CODE	DETERMINATION	RESULT	UNITS
1	ACLPW	TAL METALS AND CLP DATA PACKAGE	Done	
2	I023	Alkalinity, Total (as CaCO3)	44	mg/L
3	I120	COD(O2)	20	mg/L
4	I130	Chloride (Cl)	3	mg/L
5	I620	Solids, Total at 103C	89	mg/L
6	I610	Solids, Suspended at 103C	13 J	mg/L
7	I590	Solids, Dissolved at 180C	110	mg/L
8	I106	Carbon, Organic - Nonpurgeable	6	mg/L
9	I730	Sulfate, Turbidimetric (as SO4)	8	mg/L
10	I500	Phenolics	< 0.01	mg/L
11	I315	Halogens, Total Organic (TOX)	< 10 UJ	ug/L
12	I390	Nitrate (as N)	0.2	mg/L
15	DPACK	CLP Data Package Deliverable	done	

COMMENTS:

E-11

INORGANICS IN SURFACE WATER - OCTOBER 1991

E-11

INORGANICS IN SURFACE WATER - OCTOBER 1991

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE N.

TC25W1

Lab Name: HALLIBURTON NUS Lab. Contract: TINKEP

Lab Code: Case No.: TNK SAS No.: SDG No.: P465

Matrix (soil/water): WATER Lab Sample ID: H187478

Level (low/med): LOW Date Received: 10/29/91

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	6.0	UK	UJ	P
7440-38-2	Arsenic	1.4	UK	J	P
7440-39-3	Barium	224		J	P
7440-41-7	Beryllium	4.5	U	U	P
7440-43-9	Cadmium	5.0	U	UJ	P
7440-70-2	Calcium	29000		J	P
7440-47-3	Chromium	6.0	U	UJ	P
7440-48-4	Cobalt	13.0	U		P
7440-50-8	Copper	15.0	U		P
7439-89-6	Iron				NR
7439-92-1	Lead	5.6		J	P
7439-95-4	Magnesium	9510			P
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	26.0	U		P
7440-09-7	Potassium				NR
7782-49-2	Selenium	1.0	U		P
7440-22-4	Silver	6.0	U		P
7440-23-5	Sodium	8900			P
7440-28-0	Thallium	1.0	U		P
7440-62-2	Vanadium	17.0		UJ	P
7440-66-6	Zinc	12.4	U	J	P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

CLIENT ID: TC0-SW25-W0001

U.S. EPA - CLP

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

TC25W1

Lab Name: HALLIBURTON NUS Lab. Contract: TINKER

Lab Code: Case No.: TNK SAS No.: SDG No.: PG65

Matrix (soil/water): WATER Lab Sample ID: H187478

Level (low/med): LOW Date Received: 10/29/91

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	5.0	U	UJ	P
7440-38-2	Arsenic	1.4	U	J	P
7440-39-3	Barium	224		J	P
7440-41-7	Beryllium	4.5	U	U	P
7440-43-9	Cadmium	5.0	U	UJ	P
7440-70-2	Calcium	29000		J	P
7440-47-3	Chromium	6.0	U	UJ	P
7440-48-4	Cobalt	13.0	U		P
7440-50-8	Copper	15.0	U		P
7439-89-6	Iron				NR
7439-92-1	Lead	5.6		J	P
7439-95-4	Magnesium	9510			P
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	26.0	U		P
7440-09-7	Potassium				NR
7782-49-2	Selenium	1.0	U		P
7440-22-4	Silver	6.0	U		P
7440-23-5	Sodium	8900			P
7440-28-0	Thallium	1.0	U		P
7440-62-2	Vanadium	17.0	U	UJ	P
7440-66-6	Zinc	12.4	U	J	P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
CLIENT ID: TC0-SW25-W0001

U.S. EPA - CLP

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE

TK27W1

Lab Name: HALLIBURTON NUS Lab. Contract: TINKER

Lab Code: Case No.: TNK SAS No.: SDG No.: PKG5

Matrix (soil/water): WATER Lab Sample ID: H187475

Level (low/med): LOW Date Received: 10/29/91

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	8.0	U		P
7440-38-2	Arsenic	1.6	~~B~~		P
7440-39-3	Barium	57.0	~~B~~	J	P
7440-41-7	Beryllium	4.6	~~B~~	U	P
7440-43-9	Cadmium	5.0	~~B~~	UJ	P
7440-70-2	Calcium	16000	~~B~~	J	P
7440-47-3	Chromium	6.0	~~B~~	UJ	P
7440-48-4	Cobalt	13.0	U		P
7440-50-8	Copper	15.0	U		P
7439-89-6	Iron				NR
7439-92-1	Lead	5.8	~~B~~	J	P
7439-95-4	Magnesium	1210	~~B~~		P
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.10	U ~~B~~		CV
7440-02-0	Nickel	26.0	U		P
7440-09-7	Potassium				NR
7782-49-2	Selenium	1.0	U		P
7440-22-4	Silver	6.0	U		P
7440-23-5	Sodium	4250	U		P
7440-28-0	Thallium	1.0	U		P
7440-62-2	Vanadium	17.0	~~B~~	UJ	P
7440-66-6	Zinc	18.4	~~B~~	J	P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
CLIENT ID: TKC-SW27-W0001

U.S. EPA - CLP

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE

TK27W1

Lab Name: HALLIBURTON NUS Lab. Contract: TINKER

Lab Code: Case No.: TNK SAS No.: SDG No.: PK65

Matrix (soil/water): WATER Lab Sample ID: H187475

Level (low/med): LOW Date Received: 10/29/91

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	8.0	U		P
7440-38-2	Arsenic	1.6	U		P
7440-39-3	Barium	57.0	U	J	P
7440-41-7	Beryllium	4.6	U	U	P
7440-43-9	Cadmium	5.0	U	UJ	P
7440-70-2	Calcium	16000		J	P
7440-47-3	Chromium	6.0	U	UJ	P
7440-48-4	Cobalt	10.0	U		P
7440-50-8	Copper	15.0	U		P
7439-89-6	Iron				NR
7439-92-1	Lead	5.8		J	P
7439-95-4	Magnesium	1210	U		P
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	26.0	U		P
7440-09-7	Potassium				NR
7782-49-2	Selenium	1.0	U		P
7440-22-4	Silver	6.0	U		P
7440-23-5	Sodium	4250	U		P
7440-28-0	Thallium	1.0	U		P
7440-62-2	Vanadium	17.0	U	UJ	P
7440-66-6	Zinc	18.4	U	J	P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
CLIENT ID: TMC-SW27-W0001

U.S. EPA - CLP

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

TE23W1

Lab Name: HALLIBURTON NUS Lab. Contract: TINKER

Lab Code: Case No.: TN SAS No.: SDG No.: PH65

Matrix (soil/water): WATER Lab Sample ID: H187478

Level (low/med): LOW Date Received: 10/29/91

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	8.0	U		P
7440-38-2	Arsenic	1.0	U		P
7440-39-3	Barium	381		J	P
7440-41-7	Beryllium	3.9	U	U	P
7440-43-9	Cadmium	5.0	U	UJ	P
7440-70-2	Calcium	49900		J	P
7440-47-3	Chromium	6.0	U	UJ	P
7440-48-4	Cobalt	14.4	U	U	P
7440-50-8	Copper	16.3	U	J	P
7439-89-6	Iron				NR
7439-92-1	Lead	1.0	U	UJ	P
7439-95-4	Magnesium	14000			P
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	26.0	U		P
7440-09-7	Potassium				NR
7782-49-2	Selenium	1.0	U		P
7440-22-4	Silver	5.0	U		P
7440-23-5	Sodium	4560	U		P
7440-28-0	Thallium	1.0	U		P
7440-62-2	Vanadium	17.0	U	UJ	P
7440-66-6	Zinc	97.1		J	P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

CLIENT ID: TEC-SW23-W0001

U.S. EPA - CLP

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

TE23W1

Lab Name: HALLIBURTON NUS Lab. Contract: TINKER

Lab Code: Case No.: TN SAS No.: SDG No.: PH65

Matrix (soil/water): WATER Lab Sample ID: H187476

Level (low/med): LOW Date Received: 10/29/91

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	8.0	U		P
7440-38-2	Arsenic	1.0	U		P
7440-39-3	Barium	381		J	P
7440-41-7	Beryllium	3.9	U	U	P
7440-43-9	Cadmium	5.0	U	UJ	P
7440-70-2	Calcium	49900		J	P
7440-47-3	Chromium	6.0	U	UJ	P
7440-48-4	Cobalt	14.4	U	J	P
7440-50-8	Copper	16.3	U	J	P
7439-89-6	Iron				NR
7439-92-1	Lead	1.0	U	UJ	F
7439-95-4	Magnesium	14000			P
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	26.0	U		P
7440-09-7	Potassium				NR
7782-49-2	Selenium	1.0	U		F
7440-22-4	Silver	6.0	U		P
7440-23-5	Sodium	4560	U		P
7440-28-0	Thallium	1.0	U		F
7440-62-2	Vanadium	17.0	U	UJ	P
7440-66-6	Zinc	97.1		J	P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
CLIENT ID: TEC-SW23-W0001

U.S. EPA - CLP

EPA SAM

1

INORGANIC ANALYSIS DATA SHEET

TE24W1

Lab Name: HALLIBURTON NUS Lab. Contract: TINKER

Lab Code: Case No.: TNK SAS No.: SDG No.: PHGS

Matrix (soil/water): WATER Lab Sample ID: H187477

Level (low/med): LOW Date Received: 10/29/91

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	8.0	U		P
7440-38-2	Arsenic	1.1		J	P
7440-39-3	Barium	221		J	P
7440-41-7	Beryllium	4.8	U	UJ	P
7440-43-9	Cadmium	5.0	U	UJ	P
7440-70-2	Calcium	25900		J	P
7440-47-3	Chromium	6.0	U	UJ	P
7440-48-4	Cobalt	13.0	U		P
7440-50-8	Copper	15.2	U	J	P
7439-89-6	Iron				NR
7439-92-1	Lead	1.6	U	J	F
7439-95-4	Magnesium	8540			P
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	28.0	U		P
7440-09-7	Potassium				NR
7782-49-2	Selenium	1.0	U		F
7440-22-4	Silver	8.0	U		P
7440-23-5	Sodium	6210			P
7440-28-0	Thallium	1.0	U		F
7440-62-2	Vanadium	17.0	U	UJ	P
7440-66-6	Zinc	13.4	U	J	P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
CLIENT ID: TEC-SW24-W0001

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAM

TE24W1

Lab Name: HALLIBURTON NUS Lab. Contract: TINKER

Lab Code: Case No.: TNK SAS No.: SDG No.: PHGP

Matrix (soil/water): WATER Lab Sample ID: H187477

Level (low/med): LOW Date Received: 10/29/91

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	8.0	U		P
7440-38-2	Arsenic	1.1		J	P
7440-39-3	Barium	221		J	P
7440-41-7	Beryllium	4.8	U	U	P
7440-43-9	Cadmium	5.0	U	UJ	P
7440-70-2	Calcium	25900		J	P
7440-47-3	Chromium	6.0	U	UJ	P
7440-48-4	Cobalt	13.0	U		P
7440-50-8	Copper	15.2	U	J	P
7439-89-6	Iron				NR
7439-92-1	Lead	1.6	U	J	P
7439-95-4	Magnesium	8540			P
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	26.0	U		P
7440-09-7	Potassium				NR
7782-49-2	Selenium	1.0	U		P
7440-22-4	Silver	6.0	U		P
7440-23-5	Sodium	6210			P
7440-28-0	Thallium	1.0	U		P
7440-62-2	Vanadium	17.0	U	UJ	P
7440-66-6	Zinc	13.4	U	J	P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

CLIENT ID: TEC-SW24-W0001

U.S. EPA - CLP

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE N

TC13W1

Lab Name: HALLIBURTON NUS Lab. Contract: TINKER

Lab Code: Case No.: TN SAS No.: SDG No.: P

Matrix (soil/water): WATER Lab Sample ID: H187475

Level (low/med): LOW Date Received: 10/29/9

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	8.0	U		P
7440-38-2	Arsenic	1.7	~~UW~~	J	P
7440-39-3	Barium	707		J	P
7440-41-7	Beryllium	4.6	~~U~~	U	P
7440-43-9	Cadmium	5.0	~~U~~	UJ	P
7440-70-2	Calcium	33700		J	P
7440-47-3	Chromium	6.0	~~U~~	UJ	P
7440-48-4	Cobalt	13.0	U		P
7440-50-8	Copper	15.0	U		P
7439-89-6	Iron				NR
7439-92-1	Lead	1.0	~~U~~	UJ	P
7439-95-4	Magnesium	15900			P
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.10	~~U~~		CV
7440-02-0	Nickel	26.0	U		P
7440-09-7	Potassium				NR
7782-49-2	Selenium	1.0	U		P
7440-22-4	Silver	6.0	U		P
7440-23-5	Sodium	13000			P
7440-28-0	Thallium	1.0	U		P
7440-62-2	Vanadium	17.0	~~U~~	UJ	P
7440-66-6	Zinc	5.0	~~U~~	UJ	P
	Cyanide				NR

Color Before: COLORLESS Clarity before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
CLIENT ID: TCC-SW13-W0001

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE N.

TC13W1

Lab Name: HALLIBURTON NUS Lab. Contract: TINKER

Lab Code: Case No.: TNK SAS No.: SDG No.: PG35

Matrix (soil/water): WATER Lab Sample ID: H187475

Level (low/med): LOW Date Received: 10/29/91

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	8.0	U		P
7440-38-2	Arsenic	1.7	~~U~~	J	P
7440-39-3	Barium	707		J	P
7440-41-7	Beryllium	4.6	~~U~~	U	P
7440-43-9	Cadmium	5.0	~~U~~	UJ	P
7440-70-2	Calcium	33700		J	P
7440-47-3	Chromium	6.0	~~U~~	UJ	P
7440-48-4	Cobalt	13.0	U		P
7440-50-8	Copper	15.0	U		P
7439-89-6	Iron				NR
7439-92-1	Lead	1.0	~~U~~	UJ	P
7439-95-4	Magnesium	15900			P
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	26.0	U		P
7440-09-7	Potassium				NR
7782-49-2	Selenium	1.0	U		P
7440-22-4	Silver	6.0	U		P
7440-23-5	Sodium	13000			P
7440-28-0	Thallium	1.0	U		P
7440-62-2	Vanadium	17.0	~~U~~	UJ	P
7440-66-6	Zinc	5.0	~~U~~	UJ	P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
CLIENT ID: TCC-SW13-W0001

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EPA SAMPLE

TC1301

INORGANIC ANALYSIS DATA SHEET

Lab Name: HALLIBURTON NUS Lab. Contract: TINKER

Lab Code: Case No.: TNK SAS No.: SDG No.: PAGE

Matrix (soil/water): WATER Lab Sample ID: H187471

Level (low/med): LOW Date Received: 10/29/91

% Solids: 0.0

Concentration units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	8.0	U		P
7440-38-2	Arsenic	2.3		J	P
7440-39-3	Barium	625		J	P
7440-41-7	Beryllium	3.7		U	P
7440-43-9	Cadmium	5.0		UJ	P
7440-70-2	Calcium	26800		J	P
7440-47-3	Chromium	6.0		UJ	P
7440-48-4	Cobalt	13.0	U		P
7440-50-8	Copper	15.0	U		P
7439-89-6	Iron				NR
7439-92-1	Lead	8.3		J	P
7439-95-4	Magnesium	15500			P
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.10			CV
7440-02-0	Nickel	26.0	U		P
7440-09-7	Potassium				NR
7782-49-2	Selenium	1.0	U		P
7440-22-4	Silver	6.0	U		P
7440-23-5	Sodium	12300			P
7440-28-0	Thallium	1.0	U		P
7440-62-2	Vanadium	17.0		UJ	P
7440-66-6	Zinc	5.0		UJ	P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

CLIENT ID: TCC-SW13-00001 FIELD DUPLICATE OF TCC-SW13-W001.

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EPA SAMP

TC1301

INORGANIC ANALYSIS DATA SHEET

Lab Name: HALLIBURTON NUS Lab. Contract: TINKER

Lab Code: Case No.: TN SAS No.: SDG No.: P-65

Matrix (soil/water): WATER Lab Sample ID: H187471

Level (low/med): LOW Date Received: 10/29/91

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	L	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	8.0	U		P
7440-38-2	Arsenic	2.8	~~U~~	J	P
7440-39-3	Barium	625		J	P
7440-41-7	Beryllium	3.7	~~U~~	U	P
7440-43-9	Cadmium	5.0	~~U~~	UJ	P
7440-70-2	Calcium	26300	~~U~~	J	P
7440-47-3	Chromium	6.0	~~U~~	UJ	P
7440-48-4	Cobalt	13.0	U		P
7440-50-8	Copper	15.0	U		P
7439-89-6	Iron				NR
7439-92-1	Lead	8.3	~~U~~	J	P
7439-95-4	Magnesium	13500			P
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.10	~~U~~		CV
7440-02-0	Nickel	26.0	U		P
7440-09-7	Potassium				NR
7782-49-2	Selenium	1.0	U		P
7440-22-4	Silver	6.0	U		P
7440-23-5	Sodium	12300			P
7440-28-0	Thallium	1.0	U		P
7440-62-2	Vanadium	17.0	~~U~~	UJ	P
7440-66-6	Zinc	5.0	~~U~~	UJ	P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

CLIENT ID: TCC-SW13-00001 FIELD DUPLICATE OF TCC-SW13-W001.

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INORGANICS IN SEDIMENT - FEBRUARY 1992

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INORGANICS IN SEDIMENT - FEBRUARY 1992

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

TKCD1E

Lab Name: HALLIBURTON NUS Lab. Contract: TINKER

Lab Code: Case No.: TNK SAS No.: SDG No.: PKG7

Matrix (soil/water): SOIL Lab Sample ID: H198017

Level (low/med): LOW Date Received: 02/06/92

% Solids: 24.6

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	2.4	~~UN~~	UJ	F
7440-38-2	Arsenic	3.9	~~BN~~	J	F
7440-39-3	Barium	1840	~~J~~ N	J	P
7440-41-7	Beryllium	1.8	~~B~~	U	P
7440-43-9	Cadmium	4.5	~~E~~	J	P
7440-70-2	Calcium				NR
7440-47-3	Chromium	39.4	~~E~~		P
7440-48-4	Cobalt	14.4	~~B~~	U	P
7440-50-8	Copper	20.2		J	P
7439-89-6	Iron				NR
7439-92-1	Lead	51.1	~~W~~	J	F
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	1.8		J	CV
7440-02-0	Nickel	26.5		U	P
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.40	~~UN~~	UJ	F
7440-22-4	Silver	3.6	U		P
7440-23-5	Sodium				NR
7440-28-0	Thallium	0.79	U		F
7440-62-2	Vanadium	32.1			P
7440-66-6	Zinc	106	~~E~~		P
	Cyanide				NR

Color Before: BROWN Clarity Before: OPAQUE Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
CLIENT ID: TKC-SD01-E-0002

field duplicate of TKC-SD01-F-0002

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

TKCD1E

Lab Name: HALLIBURTON NUS Lab. Contract: TINKER

Lab Code: Case No.: TNK SAS No.: SDG No.: PKG7

Matrix (soil/water): SOIL Lab Sample ID: H198017

Level (low/med): LOW Date Received: 02/06/92

% Solids: 24.6

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	2.4	~~U~~	~~N~~ UJ	P
7440-38-2	Arsenic	3.9	~~B~~	~~N~~ J	P
7440-39-3	Barium	1840		~~N~~ J	P
7440-41-7	Beryllium	1.8	~~B~~	U	P
7440-43-9	Cadmium	4.5		~~*~~ J	P
7440-70-2	Calcium				NR
7440-47-3	Chromium	39.4		~~*~~	P
7440-48-4	Cobalt	14.4	~~B~~	U	P
7440-50-8	Copper	20.2		J	P
7439-89-6	Iron				NR
7439-92-1	Lead	51.1		~~N~~ J	P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	1.8		J	CV
7440-02-0	Nickel	26.5		U	P
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.40	~~U~~	~~N~~ UJ	P
7440-22-4	Silver	3.6	U		P
7440-23-5	Sodium				NR
7440-28-0	Thallium	0.79	U		P
7440-62-2	Vanadium	32.1			P
7440-66-6	Zinc	106		~~*~~	P
	Cyanide				NR

Color Before: BROWN Clarity Before: OPAQUE Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

CLIENT ID: TKC-SD01-E-0002

field duplicate of TKC-SD01-F-0002

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

TKCD1E

Lab Name: HALLIBURTON_NUS Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG7

Matrix (soil/water): SOIL Lab Sample ID: P188956

Level (low/med): _____ Date Received: 02/04/92

% Solids: 75.4

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminium				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
---------	Cyanide	0.67	U		C

Color Before: BROWN Clarity Before: _____ Texture: MED

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments: TKC-SD01-E-0002 field dup. of TKC-SD01

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

TKCD1E

Lab Name: HALLIBURTON_NUS_____ Contract: _____

Lab Code: HNUS__ Case No.: TNK___ SAS No.: _____ SDG No.: PKG7__

Matrix (soil/water): SOIL_ Lab Sample ID: P188956___

Level (low/med): _____ Date Received: 02/04/92

% Solids: _75.4

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminium				NR
7440-36-0	Antimony_				NR
7440-38-2	Arsenic__				NR
7440-39-3	Barium___				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium__				NR
7440-70-2	Calcium__				NR
7440-47-3	Chromium_				NR
7440-48-4	Cobalt___				NR
7440-50-8	Copper___				NR
7439-89-6	Iron_____				NR
7439-92-1	Lead_____				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury__				NR
7440-02-0	Nickel___				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium_				NR
7440-22-4	Silver___				NR
7440-23-5	Sodium___				NR
7440-28-0	Thallium_				NR
7440-62-2	Vanadium_				NR
7440-66-6	Zinc_____				NR
---------	Cyanide__	0.67	U		C_

Color Before: BROWN____ Clarity Before: _____ Texture: MED___

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: ___

Comments: TKC-SD01-E-0002 field dup. of TKC-SD01

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

TKSD5E

Lab Name: HALLIBURTON NUS Lab. Contract: TINKER

Lab Code: Case No.: TNK SAS No.: SDG No.: PKG7

Matrix (soil/water): SOIL Lab Sample ID: H198021

Level (low/med): LOW Date Received: 02/10/92

% Solids: 13.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	4.5		~~UW~~ UJ	F
7440-38-2	Arsenic	13.0		~~N~~ J	F
7440-39-3	Barium	1600		~~N~~ J	P
7440-41-7	Beryllium	4.4		U	P
7440-43-9	Cadmium	8.2		~~*~~ J	P
7440-70-2	Calcium				NR
7440-47-3	Chromium	85.4		~~*~~	P
7440-48-4	Cobalt	20.1	U		P
7440-50-8	Copper	73.8		J	P
7439-89-6	Iron				NR
7439-92-1	Lead	106		~~N~~ J	F
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.38		~~U~~ UJ	CV
7440-02-0	Nickel	55.5		U	P
7440-09-7	Potassium				NR
7782-49-2	Selenium	1.5		~~UNW~~ UJ	F
7440-22-4	Silver	6.7	U		P
7440-23-5	Sodium				NR
7440-28-0	Thallium	1.5	U		F
7440-62-2	Vanadium	33.5		~~U~~	P
7440-66-6	Zinc	215		~~*~~	P
	Cyanide				NR

Color Before: BROWN Clarity Before: OPAQUE Texture: ROCKY

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
CLIENT ID: TKC-SD05E-0002

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

TKSD5E

Lab Name: HALLIBURTON NUS Lab. Contract: TINKER

Lab Code: Case No.: TNK SAS No.: SDG No.: PKG7

Matrix (soil/water): SOIL Lab Sample ID: H198021

Level (low/med): LOW Date Received: 02/10/92

% Solids: 13.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	4.5	UN	UJ	P
7440-38-2	Arsenic	13.0	N	J	P
7440-39-3	Barium	1600	N	J	P
7440-41-7	Beryllium	4.4		U	P
7440-43-9	Cadmium	8.2	*	J	P
7440-70-2	Calcium				NR
7440-47-3	Chromium	85.4	*		P
7440-48-4	Cobalt	20.1	U		P
7440-50-8	Copper	73.8		J	P
7439-89-6	Iron				NR
7439-92-1	Lead	106	N	J	P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.38	U	UJ	CV
7440-02-0	Nickel	55.5		U	P
7440-09-7	Potassium				NR
7782-49-2	Selenium	1.5	UNW	UJ	P
7440-22-4	Silver	6.7	U		P
7440-23-5	Sodium				NR
7440-28-0	Thallium	1.5	U		P
7440-62-2	Vanadium	33.5	U		P
7440-66-6	Zinc	215	*		P
	Cyanide				NR

Color Before: BROWN Clarity Before: OPAQUE Texture: ROCKY

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
CLIENT ID: TKC-SD05E-0002

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

TCSD6E

Lab Name: HALLIBURTON NUS Lab. Contract: TINKER

Lab Code: Case No.: TNK SAS No.: SDG No.: PKG7

Matrix (soil/water): SOIL Lab Sample ID: H198019

Level (low/med): LOW Date Received: 02/07/92

% Solids: 21.5

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	2.7	~~U~~	~~N~~ UJ	F
7440-38-2	Arsenic	5.9		~~NS~~ J	F
7440-39-3	Barium	9110		~~N~~ J	P
7440-41-7	Beryllium	3.8		J	P
7440-43-9	Cadmium	4.6		~~*~~ J	P
7440-70-2	Calcium				NR
7440-47-3	Chromium	64.3		~~*~~	P
7440-48-4	Cobalt	40.4		J	P
7440-50-8	Copper	20.2		J	P
7439-89-6	Iron				NR
7439-92-1	Lead	28.2		~~N~~ J	F
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.22	~~U~~	UJ	CV
7440-02-0	Nickel	37.7		J	P
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.89	~~U~~ ~~NW~~	UJ	F
7440-22-4	Silver	4.0	U		P
7440-23-5	Sodium				NR
7440-28-0	Thallium	0.89	U		F
7440-62-2	Vanadium	75.9			P
7440-66-6	Zinc	64.3		~~*~~	P
	Cyanide				NR

Color Before: BROWN Clarity Before: OPAQUE Texture: ROCKY

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
CLIENT ID: TCC-SD06-E-0002

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

TCSD6E

Lab Name: HALLIBURTON NUS Lab. Contract: TINKER

Lab Code: Case No.: TNK SAS No.: SDG No.: PKG7

Matrix (soil/water): SOIL Lab Sample ID: H198019

Level (low/med): LOW Date Received: 02/07/92

% Solids: 21.5

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	2.7	UN	UJ	F
7440-38-2	Arsenic	5.9	NS	J	F
7440-39-3	Barium	9110	N	J	P
7440-41-7	Beryllium	3.8		U	P
7440-43-9	Cadmium	4.6		J	P
7440-70-2	Calcium				NR
7440-47-3	Chromium	64.3			P
7440-48-4	Cobalt	40.4		U	P
7440-50-8	Copper	20.2		J	P
7439-89-6	Iron				NR
7439-92-1	Lead	28.2		J	F
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.22	U	UJ	CV
7440-02-0	Nickel	37.7		U	P
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.89	UNW	UJ	F
7440-22-4	Silver	4.0	U		P
7440-23-5	Sodium				NR
7440-28-0	Thallium	0.89	U		F
7440-62-2	Vanadium	75.9			P
7440-66-6	Zinc	64.3			P
	Cyanide				NR

Color Before: BROWN Clarity Before: OPAQUE Texture: ROCKY

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
CLIENT ID: TCC-SD06-E-0002

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

TKSD1F

Lab Name: HALLIBURTON NUS Lab. Contract: TINKER

Lab Code: Case No.: TNK SAS No.: SDG No.: PKG7

Matrix (soil/water): SOIL Lab Sample ID: H198018

Level (low/med): LOW Date Received: 02/06/92

% Solids: 15.9

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	3.7	U	N UJ	P
7440-38-2	Arsenic	16.7		N J	P
7440-39-3	Barium	2250		N J	P
7440-41-7	Beryllium	3.1	B	U	P
7440-43-9	Cadmium	4.1		J	P
7440-70-2	Calcium				NR
7440-47-3	Chromium	69.0			P
7440-48-4	Cobalt	26.5	B	U	P
7440-50-8	Copper	30.4		J	P
7439-89-6	Iron				NR
7439-92-1	Lead	114		N J	P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	3.5		J	CV
7440-02-0	Nickel	56.4		U	P
7440-09-7	Potassium				NR
7782-49-2	Selenium	1.2	U	N UJ	P
7440-22-4	Silver	5.4	U		P
7440-23-5	Sodium				NR
7440-28-0	Thallium	1.2	U		P
7440-62-2	Vanadium	66.2			P
7440-66-6	Zinc	166			P
	Cyanide				NR

Color Before: BROWN Clarity Before: OPAQUE Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

CLIENT ID: TKC-SD01-F-0002

field duplicate of TKC-SD01-E-0002

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1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

TKSD1F

Lab Name: HALLIBURTON NUS Lab. Contract: TINKER

Lab Code: Case No.: TNK SAS No.: SDG No.: PKG7

Matrix (soil/water): SOIL Lab Sample ID: H198018

Level (low/med): LOW Date Received: 02/06/92

% Solids: 15.9

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	3.7	U	N UJ	P
7440-38-2	Arsenic	16.7		N J	P
7440-39-3	Barium	2250		N J	P
7440-41-7	Beryllium	3.1	B	U	P
7440-43-9	Cadmium	4.1		J	P
7440-70-2	Calcium				NR
7440-47-3	Chromium	69.0			P
7440-48-4	Cobalt	26.5	B	U	P
7440-50-8	Copper	30.4		J	P
7439-89-6	Iron				NR
7439-92-1	Lead	114		N J	P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	3.5		J	CV
7440-02-0	Nickel	56.4		U	P
7440-09-7	Potassium				NR
7782-49-2	Selenium	1.2	U	N UJ	P
7440-22-4	Silver	5.4	U		P
7440-23-5	Sodium				NR
7440-28-0	Thallium	1.2	U		P
7440-62-2	Vanadium	66.2			P
7440-66-6	Zinc	166			P
	Cyanide				NR

Color Before: BROWN Clarity Before: OPAQUE Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
CLIENT ID: TKC-SD01-F-0002

field duplicate of TKC-SD01-E-0002

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

TKSD1F

Lab Name: HALLIBURTON_NUS Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG7

Matrix (soil/water): SOIL Lab Sample ID: P188957

Level (low/med): _____ Date Received: 02/04/92

% Solids: 84.1

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminium				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
---------	Cyanide	0.60	U		C

Color Before: BROWN Clarity Before: _____ Texture: COARSE

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments: TKC-SD01-F-0002 field dup. of TKC-SD01-F-1

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

TKSD1F

Lab Name: HALLIBURTON_NUS Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG7

Matrix (soil/water): SOIL Lab Sample ID: P188957

Level (low/med): _____ Date Received: 02/04/92

% Solids: 84.1

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminium				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
---------	Cyanide	0.60	U		C

Color Before: BROWN Clarity Before: _____ Texture: COARSE

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:

TKC-SD01-F-0002 field dup. of TKC-SD01-E-2

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

TCSD6E

Lab Name: HALLIBURTON_NUS_____ Contract: _____

Lab Code: HNUS__ Case No.: TNK___ SAS No.: _____ SDG No.: PKG7__

Matrix (soil/water): SOIL_ Lab Sample ID: P189027___

Level (low/med): _____ Date Received: 02/05/92

% Solids: _78.5

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminium				NR
7440-36-0	Antimony_				NR
7440-38-2	Arsenic__				NR
7440-39-3	Barium___				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium__				NR
7440-70-2	Calcium__				NR
7440-47-3	Chromium_				NR
7440-48-4	Cobalt___				NR
7440-50-8	Copper___				NR
7439-89-6	Iron_____				NR
7439-92-1	Lead_____				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury__				NR
7440-02-0	Nickel___				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium_				NR
7440-22-4	Silver___				NR
7440-23-5	Sodium___				NR
7440-28-0	Thallium_				NR
7440-62-2	Vanadium_				NR
7440-66-6	Zinc_____				NR
---------	Cyanide__	0.64	U		C_

Color Before: BROWN____ Clarity Before: _____ Texture: MED___

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: ___

Comments:

TCC-SD06-E-0002

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

TCSD6E

Lab Name: HALLIBURTON_NUS_____ Contract: _____

Lab Code: HNUS__ Case No.: TNK___ SAS No.: _____ SDG No.: PKG7__

Matrix (soil/water): SOIL_ Lab Sample ID: P189027___

Level (low/med): _____ Date Received: 02/05/92

% Solids: _78.5

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminium				NR
7440-36-0	Antimony_				NR
7440-38-2	Arsenic__				NR
7440-39-3	Barium___				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium__				NR
7440-70-2	Calcium__				NR
7440-47-3	Chromium_				NR
7440-48-4	Cobalt___				NR
7440-50-8	Copper___				NR
7439-89-6	Iron_____				NR
7439-92-1	Lead_____				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury__				NR
7440-02-0	Nickel___				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium_				NR
7440-22-4	Silver___				NR
7440-23-5	Sodium___				NR
7440-28-0	Thallium_				NR
7440-62-2	Vanadium_				NR
7440-66-6	Zinc_____				NR
---------	Cyanide__	0.64	U		C

Color Before: BROWN____ Clarity Before: _____ Texture: MED___

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: ___

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

TCD15E

Lab Name: HALLIBURTON NUS Lab. Contract: TINKER

Lab Code: Case No.: TNK SAS No.: SDG No.: PKG7

Matrix (soil/water): SOIL Lab Sample ID: H198020

Level (low/med): LOW Date Received: 02/07/92

% Solids: 28.3

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	2.1	U	UN UJ	F
7440-38-2	Arsenic	6.4		MNS J	F
7440-39-3	Barium	2760		N J	P
7440-41-7	Beryllium	3.3		U	P
7440-43-9	Cadmium	5.3		* J	P
7440-70-2	Calcium				NR
7440-47-3	Chromium	408		*	P
7440-48-4	Cobalt	33.7		U	P
7440-50-8	Copper	30.3		J	P
7439-89-6	Iron				NR
7439-92-1	Lead	62.2		N J	F
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.98		J	CV
7440-02-0	Nickel	37.1		U	P
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.35	U	UNW UJ	F
7440-22-4	Silver	3.1	U		P
7440-23-5	Sodium				NR
7440-28-0	Thallium	0.70	U		F
7440-62-2	Vanadium	75.0			P
7440-66-6	Zinc	99.0		*	P
	Cyanide				NR

Color Before: BROWN Clarity Before: OPAQUE Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
CLIENT ID: TCC-SD15-E-0002

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

TCD15E

Lab Name: HALLIBURTON NUS Lab. Contract: TINKER

Lab Code: Case No.: TNK SAS No.: SDG No.: PKG7

Matrix (soil/water): SOIL Lab Sample ID: H198020

Level (low/med): LOW Date Received: 02/07/92

% Solids: 28.3

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	2.1	U	N UJ	F
7440-38-2	Arsenic	6.4		MNS J	F
7440-39-3	Barium	2760		N J	P
7440-41-7	Beryllium	3.3		U	P
7440-43-9	Cadmium	5.3		J	P
7440-70-2	Calcium				NR
7440-47-3	Chromium	408			P
7440-48-4	Cobalt	33.7		U	P
7440-50-8	Copper	30.3		J	P
7439-89-6	Iron				NR
7439-92-1	Lead	62.2		N J	F
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.98		J	CV
7440-02-0	Nickel	37.1		U	P
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.35	U	NW UJ	F
7440-22-4	Silver	3.1	U		P
7440-23-5	Sodium				NR
7440-28-0	Thallium	0.70	U		F
7440-62-2	Vanadium	75.0			P
7440-66-6	Zinc	99.0			P
	Cyanide				NR

Color Before: BROWN Clarity Before: OPAQUE Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
CLIENT ID: TCC-SD15-E-0002

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

TEC22E

Lab Name: HALLIBURTON NUS Lab. Contract: TINKER

Lab Code: Case No.: TNK SAS No.: SDG No.: PK67

Matrix (soil/water): SOIL Lab Sample ID: H198022

Level (low/med): LOW Date Received: 02/11/92

% Solids: 25.4

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	2.3	~~U~~	~~N~~ UJ	P
7440-38-2	Arsenic	7.5		~~N~~ J	P
7440-39-3	Barium	2280		~~N~~ J	P
7440-41-7	Beryllium	4.0		U	P
7440-43-9	Cadmium	1.6	U	~~N~~	P
7440-70-2	Calcium				NR
7440-47-3	Chromium	60.3		~~N~~	P
7440-48-4	Cobalt	50.7		U	P
7440-50-8	Copper	22.4		J	P
7439-89-6	Iron				NR
7439-92-1	Lead	44.4		~~N~~ J	P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.19	~~U~~	UJ	CV
7440-02-0	Nickel	47.8		U	P
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.39	~~U~~ ~~UW~~	UJ	P
7440-22-4	Silver	3.5	U		P
7440-23-5	Sodium				NR
7440-28-0	Thallium	0.78	U		P
7440-62-2	Vanadium	107			P
7440-66-6	Zinc	87.9		~~N~~	P
	Cyanide				NR

Color Before: BROWN Clarity Before: OPAQUE Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
CLIENT ID: TEC-SD22-E-0002

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

TEC22E

Lab Name: HALLIBURTON NUS Lab. Contract: TINKER

Lab Code: Case No.: TNK SAS No.: SDG No.: PK67

Matrix (soil/water): SOIL Lab Sample ID: H198022

Level (low/med): LOW Date Received: 02/11/92

% Solids: 25.4

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	2.3	UN	UJ	P
7440-38-2	Arsenic	7.5	N	J	P
7440-39-3	Barium	2280	N	J	P
7440-41-7	Beryllium	4.0		U	P
7440-43-9	Cadmium	1.6	U		P
7440-70-2	Calcium				NR
7440-47-3	Chromium	60.3			P
7440-48-4	Cobalt	50.7		U	P
7440-50-8	Copper	22.4		J	P
7439-89-6	Iron				NR
7439-92-1	Lead	44.4		N J	P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.19	U	UJ	CV
7440-02-0	Nickel	47.8		U	P
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.39	UN	UJ	P
7440-22-4	Silver	3.5	U		P
7440-23-5	Sodium				NR
7440-28-0	Thallium	0.78	U		P
7440-62-2	Vanadium	107			P
7440-66-6	Zinc	87.9			P
	Cyanide				NR

Color Before: BROWN Clarity Before: OPAQUE Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
CLIENT ID: TEC-SD22-E-0002

U.S. EPA - CLP

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

TEC22E

Lab Name: HALLIBURTON_NUS Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG7

Matrix (soil/water): SOIL Lab Sample ID: P189218

Level (low/med): _____ Date Received: 02/08/92

% Solids: 74.6

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminium				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
---------	Cyanide	0.67	U		C

Color Before: BROWN Clarity Before: _____ Texture: MED

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments: TEC-SD22-E-0002

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

TEC22E

Lab Name: HALLIBURTON_NUS Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG7

Matrix (soil/water): SOIL Lab Sample ID: P189218

Level (low/med): _____ Date Received: 02/08/92

% Solids: 74.6

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminium				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
---------	Cyanide	0.67	U		C

Color Before: BROWN Clarity Before: _____ Texture: MED

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments: TEC-SD22-E-0002

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

TEC24E

Lab Name: HALLIBURTON NUS Lab. Contract: TINKER

Lab Code: Case No.: TNK SAS No.: SDG No.: PKG7

Matrix (soil/water): SOIL Lab Sample ID: H198026

Level (low/med): LOW Date Received: 02/11/92

% Solids: 34.6

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	1.7	U	UJ	P
7440-38-2	Arsenic	8.6		J	P
7440-39-3	Barium	1010		J	P
7440-41-7	Beryllium	2.3		U	P
7440-43-9	Cadmium	1.9		J	P
7440-70-2	Calcium				NR
7440-47-3	Chromium	53.2			P
7440-48-4	Cobalt	21.8		U	P
7440-50-8	Copper	14.2		J	P
7439-89-6	Iron				NR
7439-92-1	Lead	18.7		J	P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.14	U	UJ	CV
7440-02-0	Nickel	30.2		U	P
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.29	U	UJ	P
7440-22-4	Silver	2.6	U		P
7440-23-5	Sodium				NR
7440-28-0	Thallium	0.57	U		P
7440-62-2	Vanadium	53.1			P
7440-66-6	Zinc	121			P
	Cyanide				NR

Color Before: BROWN Clarity Before: OPAQUE Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
CLIENT ID: TEC-SD24-E-0002

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

TEC24E

Lab Name: HALLIBURTON NUS Lab. Contract: TINKER

Lab Code: Case No.: TNK SAS No.: SDG No.: PK67

Matrix (soil/water): SOIL Lab Sample ID: H198026

Level (low/med): LOW Date Received: 02/11/92

% Solids: 34.6

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	1.7	U	UJ	F
7440-38-2	Arsenic	8.6		J	F
7440-39-3	Barium	1010		J	P
7440-41-7	Beryllium	2.3		U	P
7440-43-9	Cadmium	1.9		J	P
7440-70-2	Calcium				NR
7440-47-3	Chromium	53.2			P
7440-48-4	Cobalt	21.8		U	P
7440-50-8	Copper	14.2		J	P
7439-89-6	Iron				NR
7439-92-1	Lead	18.7		J	F
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.14	U	UJ	CV
7440-02-0	Nickel	20.2		U	P
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.29	U	UJ	F
7440-22-4	Silver	2.6	U		P
7440-23-5	Sodium				NR
7440-28-0	Thallium	0.57	U		F
7440-62-2	Vanadium	53.1			P
7440-66-6	Zinc	121			P
	Cyanide				NR

Color Before: BROWN Clarity Before: OPAQUE Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
CLIENT ID: TEC-SD24-E-0002

U.S. EPA - CLP

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

TEC24E

Lab Name: HALLIBURTON_NUS Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG7

Matrix (soil/water): SOIL Lab Sample ID: P189225

Level (low/med): _____ Date Received: 02/08/92

% Solids: 65.4

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminium				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
---------	Cyanide	0.75	U		C

Color Before: BROWN Clarity Before: _____ Texture: MED

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments: TEC-SD24-E-0002

U.S. EPA - CLP

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

TEC24E

Lab Name: HALLIBURTON_NUS Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG7

Matrix (soil/water): SOIL Lab Sample ID: P189225

Level (low/med): _____ Date Received: 02/08/92

% Solids: 65.4

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminium				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
---------	Cyanide	0.75	U		C

Color Before: BROWN Clarity Before: _____ Texture: MED

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments: TEC-SD24-E-0002

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

TCCB1E

Lab Name: HALLIBURTON NUS Lab. Contract: TINKER

Lab Code: Case No.: TNK SAS No.: SDG No.: PKG7

Matrix (soil/water): SOIL Lab Sample ID: H198027

Level (low/med): LOW Date Received: 02/11/92

% Solids: 13.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	4.5	~~U~~	~~N~~ UJ	F
7440-38-2	Arsenic	22.3		~~N~~ J	F
7440-39-3	Barium	10500		~~N~~ J	P
7440-41-7	Beryllium	7.6		U	P
7440-43-9	Cadmium	5.9		~~*~~ J	P
7440-70-2	Calcium				NR
7440-47-3	Chromium	122		~~*~~	P
7440-48-4	Cobalt	84.6		U	P
7440-50-8	Copper	61.9		J	P
7439-89-6	Iron				NR
7439-92-1	Lead	73.5		~~N~~ J	F
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.36	~~U~~	UJ	CV
7440-02-0	Nickel	102		U	P
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.75	~~U~~ ~~NW~~	UJ	F
7440-22-4	Silver	6.7	U		P
7440-23-5	Sodium				NR
7440-28-0	Thallium	1.5	U		F
7440-62-2	Vanadium	211			P
7440-66-6	Zinc	256		~~*~~	P
	Cyanide				NR

Color Before: BROWN Clarity Before: OPAQUE Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
CLIENT ID: TCC-SDB1-E-0002

U.S. EPA - CLP

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

TCCB1E

Lab Name: HALLIBURTON NUS Lab. Contract: TINKER

Lab Code: Case No.: TNK SAS No.: SDG No.: PKG7

Matrix (soil/water): SOIL Lab Sample ID: H198027

Level (low/med): LOW Date Received: 02/11/92

% Solids: 13.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	4.5	UN	UJ	F
7440-38-2	Arsenic	22.3	N	J	F
7440-39-3	Barium	10500	N	J	P
7440-41-7	Beryllium	7.6		U	P
7440-43-9	Cadmium	5.9		J	P
7440-70-2	Calcium				NR
7440-47-3	Chromium	122			P
7440-48-4	Cobalt	84.6		U	P
7440-50-8	Copper	61.9		J	P
7439-89-6	Iron				NR
7439-92-1	Lead	73.5	N	J	F
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.36		UJ	CV
7440-02-0	Nickel	102		U	P
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.75	UNW	UJ	F
7440-22-4	Silver	6.7	U		P
7440-23-5	Sodium				NR
7440-28-0	Thallium	1.5	U		F
7440-62-2	Vanadium	211			P
7440-66-6	Zinc	256			P
	Cyanide				NR

Color Before: BROWN Clarity Before: OPAQUE Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
CLIENT ID: TCC-SDB1-E-0002

U.S. EPA - CLP

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO

TCCB1E

Lab Name: HALLIBURTON_NUS Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG7

Matrix (soil/water): SOIL Lab Sample ID: P189228

Level (low/med): _____ Date Received: 02/08/92

% Solids: 71.8

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminium				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
---------	Cyanide	0.67	U		C

Color Before: BROWN Clarity Before: _____ Texture: MED

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments: TCC-SDB1-E-0002

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO

TCCB1E

Lab Name: HALLIBURTON_NUS Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG7

Matrix (soil/water): SOIL Lab Sample ID: P189228

Level (low/med): _____ Date Received: 02/08/92

% Solids: 71.8

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminium				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
---------	Cyanide	0.67	U		C

Color Before: BROWN Clarity Before: _____ Texture: MED

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments: TCC-SDB1-E-0002

U.S. EPA - CLP

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

TCDB2E

Lab Name: HALLIBURTON NUS Lab. Contract: TINKER

Lab Code: Case No.: TNK SAS No.: SDG No.: PKG7

Matrix (soil/water): SOIL Lab Sample ID: H198025

Level (low/med): LOW Date Received: 02/11/92

% Solids: 19.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	3.1	~~U~~	~~N~~ UJ	F
7440-38-2	Arsenic	8.3		~~MNS~~ J	F
7440-39-3	Barium	8690		~~N~~ J	P
7440-41-7	Beryllium	5.7		U	P
7440-43-9	Cadmium	5.4		~~*~~ J	P
7440-70-2	Calcium				NR
7440-47-3	Chromium	59.5		~~*~~	P
7440-48-4	Cobalt	85.3		U	P
7440-50-8	Copper	42.4		J	P
7439-89-6	Iron				NR
7439-92-1	Lead	93.0		~~N~~ J	F
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.24	~~U~~	UJ	CV
7440-02-0	Nickel	87.4		U	P
7440-09-7	Potassium				NR
7782-49-2	Selenium	1.0	~~U~~	~~NW~~ UJ	F
7440-22-4	Silver	4.6	U		P
7440-23-5	Sodium				NR
7440-28-0	Thallium	1.0	U		F
7440-62-2	Vanadium	178			P
7440-66-6	Zinc	123		~~*~~	P
	Cyanide				NR

Color Before: BROWN Clarity Before: OPAQUE Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
CLIENT ID: TCC-SDB2-E-0002

U.S. EPA - CLP

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

TCDB2E

Lab Name: HALLIBURTON NUS Lab. Contract: TINKER

Lab Code: Case No.: TNK SAS No.: SDG No.: PKG7

Matrix (soil/water): SOIL Lab Sample ID: H198025

Level (low/med): LOW Date Received: 02/11/92

% Solids: 19.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	3.1	~~U~~	~~N~~ UJ	P
7440-38-2	Arsenic	8.3		~~MNS~~ J	P
7440-39-3	Barium	8690		~~N~~ J	P
7440-41-7	Beryllium	5.7		U	P
7440-43-9	Cadmium	5.4		~~*~~ J	P
7440-70-2	Calcium				NR
7440-47-3	Chromium	59.5		~~*~~	P
7440-48-4	Cobalt	85.3		U	P
7440-50-8	Copper	42.4		J	P
7439-89-6	Iron				NR
7439-92-1	Lead	93.0		~~N~~ J	P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.24	~~U~~	UJ	CV
7440-02-0	Nickel	87.4		U	P
7440-09-7	Potassium				NR
7782-49-2	Selenium	1.0	~~U~~	~~NW~~ UJ	P
7440-22-4	Silver	4.6	U		P
7440-23-5	Sodium				NR
7440-28-0	Thallium	1.0	U		P
7440-62-2	Vanadium	178			P
7440-66-6	Zinc	123		~~*~~	P
	Cyanide				NR

Color Before: BROWN Clarity Before: OPAQUE Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
CLIENT ID: TCC-SDB2-E-0002

U.S. EPA - CLP

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE

TCDB2E

Lab Name: HALLIBURTON_NUS_____ Contract: _____

Lab Code: HNUS__ Case No.: TNK___ SAS No.: _____ SDG No.: PKG7__

Matrix (soil/water): SOIL_ Lab Sample ID: P189223___

Level (low/med): _____ Date Received: 02/08/92

% Solids: _81.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminium				NR
7440-36-0	Antimony_				NR
7440-38-2	Arsenic__				NR
7440-39-3	Barium___				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium__				NR
7440-70-2	Calcium__				NR
7440-47-3	Chromium_				NR
7440-48-4	Cobalt___				NR
7440-50-8	Copper___				NR
7439-89-6	Iron_____				NR
7439-92-1	Lead_____				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury__				NR
7440-02-0	Nickel___				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium_				NR
7440-22-4	Silver___				NR
7440-23-5	Sodium___				NR
7440-28-0	Thallium_				NR
7440-62-2	Vanadium_				NR
7440-66-6	Zinc_____				NR
---------	Cyanide__	0.59	U		C_

Color Before: BROWN____ Clarity Before: _____ Texture: MED___

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: ___

Comments: TCC-SDB2-E-0002

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE

TCDB2E

Lab Name: HALLIBURTON_NUS_____ Contract: _____

Lab Code: HNUS__ Case No.: TNK___ SAS No.: _____ SDG No.: PKG7__

Matrix (soil/water): SOIL_ Lab Sample ID: P189223___

Level (low/med): _____ Date Received: 02/08/92

% Solids: _81.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminium				NR
7440-36-0	Antimony_				NR
7440-38-2	Arsenic__				NR
7440-39-3	Barium___				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium__				NR
7440-70-2	Calcium__				NR
7440-47-3	Chromium_				NR
7440-48-4	Cobalt___				NR
7440-50-8	Copper___				NR
7439-89-6	Iron_____				NR
7439-92-1	Lead_____				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury__				NR
7440-02-0	Nickel___				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium_				NR
7440-22-4	Silver___				NR
7440-23-5	Sodium___				NR
7440-28-0	Thallium_				NR
7440-62-2	Vanadium_				NR
7440-66-6	Zinc_____				NR
---------	Cyanide__	0.59	U		C_

Color Before: BROWN____ Clarity Before: _____ Texture: MED___

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: ___

Comments: TCC-SDB2-E-0002

E-13

SEMIVOLATILE ORGANIC COMPOUNDS IN SEDIMENT - FEBRUARY 1992

E-13

SEMIVOLATILE ORGANIC COMPOUNDS IN SEDIMENT - FEBRUARY 1992

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1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TKCSD01E0002

.b Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG7

Matrix: (soil/water) SOIL Lab Sample ID: P188956

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP03059204

.evel: (low/med) LOW Date Received: 02/04/92

Moisture: not dec. 25 dec. ____ Date Extracted: 02/07/92

xtraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/05/92

PC Cleanup: (Y/N) N pH: 7.2 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
62-75-9	N-NITROSODIMETHYLAMINE	440	U
108-95-2	PHENOL	440	U
62-53-3	ANILINE	440	U
111-44-4	BIS(2-CHLOROETHYL)ETHER	440	U
95-57-8	2-CHLOROPHENOL	440	U
541-73-1	1,3-DICHLOROBENZENE	440	U
106-46-7	1,4-DICHLOROBENZENE	440	U
100-51-6	BENZYL ALCOHOL	440	U
95-50-1	1,2-DICHLOROBENZENE	440	U
95-48-7	2-METHYLPHENOL	440	U
39638-32-9	BIS(2-CHLOROISOPROPYL)ETHER	440	U
106-44-5	4-METHYLPHENOL	440	U
621-64-7	N-NITROSO-DI-N-PROPYLAMINE	440	U
67-72-1	HEXACHLOROETHANE	440	U
98-95-3	NITROBENZENE	440	U
78-59-1	ISOPHORONE	440	U
88-75-5	2-NITROPHENOL	440	U
105-67-9	2,4-DIMETHYLPHENOL	440	U
111-91-1	BIS(2-CHLOROETHOXY)METHANE	440	U
120-83-2	2,4-DICHLOROPHENOL	440	U
120-82-1	1,2,4-TRICHLOROBENZENE	440	U
91-20-3	NAPHTHALENE	440	U
106-47-8	4-CHLOROANILINE	440	U
87-68-3	HEXACHLOROBUTADIENE	440	U
59-50-7	4-CHLORO-3-METHYLPHENOL	440	U
91-57-6	2-METHYLNAPHTHALENE	440	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TKCSD01E0002

.b Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG7

Matrix: (soil/water) SOIL Lab Sample ID: P188956

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP03059204

.evel: (low/med) LOW Date Received: 02/04/92

Moisture: not dec. 25 dec. ____ Date Extracted: 02/07/92

xtraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/05/92

PC Cleanup: (Y/N) N pH: 7.2 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
62-75-9	N-NITROSODIMETHYLAMINE	440	U
108-95-2	PHENOL	440	U
62-53-3	ANILINE	440	U
111-44-4	BIS(2-CHLOROETHYL)ETHER	440	U
95-57-8	2-CHLOROPHENOL	440	U
541-73-1	1,3-DICHLOROBENZENE	440	U
106-46-7	1,4-DICHLOROBENZENE	440	U
100-51-6	BENZYL ALCOHOL	440	U
95-50-1	1,2-DICHLOROBENZENE	440	U
95-48-7	2-METHYLPHENOL	440	U
39638-32-9	BIS(2-CHLOROISOPROPYL)ETHER	440	U
106-44-5	4-METHYLPHENOL	440	U
621-64-7	N-NITROSO-DI-N-PROPYLAMINE	440	U
67-72-1	HEXACHLOROETHANE	440	U
98-95-3	NITROBENZENE	440	U
78-59-1	ISOPHORONE	440	U
88-75-5	2-NITROPHENOL	440	U
105-67-9	2,4-DIMETHYLPHENOL	440	U
111-91-1	BIS(2-CHLOROETHOXY)METHANE	440	U
120-83-2	2,4-DICHLOROPHENOL	440	U
120-82-1	1,2,4-TRICHLOROBENZENE	440	U
91-20-3	NAPHTHALENE	440	U
106-47-8	4-CHLOROANILINE	440	U
87-68-3	HEXACHLOROBUTADIENE	440	U
59-50-7	4-CHLORO-3-METHYLPHENOL	440	U
91-57-6	2-METHYLNAPHTHALENE	440	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TKCSD01E0

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG7

Matrix: (soil/water) SOIL Lab Sample ID: P188956

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP03059204

Level: (low/med) LOW Date Received: 02/04/92

% Moisture: not dec. 25 dec. ____ Date Extracted: 02/07/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/05/92

GPC Cleanup: (Y/N) N pH: 7.2 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
77-47-4	HEXACHLOROCYCLOPENTADIENE	440	U
88-06-2	2,4,6-TRICHLOROPHENOL	440	U
95-95-4	2,4,5-TRICHLOROPHENOL	2100	U
91-58-7	2-CHLORONAPHTHALENE	440	U
88-74-4	2-NITROANILINE	2100	U
131-11-3	DIMETHYLPHTHALATE	440	U
208-96-8	ACENAPHTHYLENE	440	U
606-20-2	2,6-DINITRITOLUENE	440	U
99-09-2	3-NITROANILINE	2100	U
83-32-9	ACENAPHTHENE	440	U
51-28-5	2,4-DINITROPHENOL	2100	U
100-02-7	4-NITROPHENOL	2100	U
132-64-9	DIBENZOFURAN	440	U
121-14-2	2,4-DINITROTOLUENE	440	U
84-66-2	DIETHYLPHTHALATE	440	U
7005-72-3	4-CHLOROPHENYL-PHENYLETHER	440	U
86-73-7	FLUORENE	440	U
100-10-6	4-NITROANILINE	2100	U
534-52-1	4,6-DINITRO-2-METHYLPHENOL	2100	U
86-30-6	N-NITROSODIPHENYLAMINE (1)	440	U
101-55-3	4-BROMOPHENYL-PHENYLETHER	440	U
118-74-1	HEXACHLOROBENZENE	440	U
87-86-5	PENTACHLOROPHENOL	2100	U
85-01-8	PHENANTHRENE	240	J
120-12-7	ANTHRACENE	440	U
84-74-2	DI-N-BUTYLPHTHALATE	440	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TKCSD01E0[illegible]

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG7

Matrix: (soil/water) SOIL Lab Sample ID: P188956

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP03059204

Level: (low/med) LOW Date Received: 02/04/92

% Moisture: not dec. 25 dec. ____ Date Extracted: 02/07/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/05/92

GPC Cleanup: (Y/N) N pH: 7.2 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
77-47-4	HEXACHLOROCYCLOPENTADIENE	440	U
88-06-2	2,4,6-TRICHLOROPHENOL	440	U
95-95-4	2,4,5-TRICHLOROPHENOL	2100	U
91-58-7	2-CHLORONAPHTHALENE	440	U
88-74-4	2-NITROANILINE	2100	U
131-11-3	DIMETHYLPHTHALATE	440	U
208-96-8	ACENAPHTHYLENE	440	U
606-20-2	2,6-DINITRITOLUENE	440	U
99-09-2	3-NITROANILINE	2100	U
83-32-9	ACENAPHTHENE	440	U
51-28-5	2,4-DINITROPHENOL	2100	U
100-02-7	4-NITROPHENOL	2100	U
132-64-9	DIBENZOFURAN	440	U
121-14-2	2,4-DINITROTOLUENE	440	U
84-66-2	DIETHYLPHTHALATE	440	U
7005-72-3	4-CHLOROPHENYL-PHENYLETHER	440	U
86-73-7	FLUORENE	440	U
100-10-6	4-NITROANILINE	2100	U
534-52-1	4,6-DINITRO-2-METHYLPHENOL	2100	U
86-30-6	N-NITROSODIPHENYLAMINE (1)	440	U
101-55-3	4-BROMOPHENYL-PHENYLETHER	440	U
118-74-1	HEXACHLOROBENZENE	440	U
87-86-5	PENTACHLOROPHENOL	2100	U
85-01-8	PHENANTHRENE	240	J
120-12-7	ANTHRACENE	440	U
84-74-2	DI-N-BUTYLPHTHALATE	440	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TKCSD01E0002

b Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG7

Matrix: (soil/water) SOIL Lab Sample ID: P188956

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP03059204

Level: (low/med) LOW Date Received: 02/04/92

% Moisture: not dec. 25 dec. ____ Date Extracted: 02/07/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/05/92

GPC Cleanup: (Y/N) N pH: 7.2 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
206-44-0	FLUORANTHENE	380	J
129-00-0	PYRENE	400	J
85-68-7	BUTYLBENZYLPHTHALATE	440	U
91-94-1	3,3'-DICHLOROBENZIDINE	880	U
56-55-3	BENZO(A)ANTHRACENE	180	J
218-01-9	CHRYSENE	300	J
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	120	J
117-84-0	DI-N-OCTYL PHTHALATE	440	U
205-99-2	BENZO(B)FLUORANTHENE	300	J
207-08-9	BENZO(K)FLUORANTHENE	440	U
50-32-8	BENZO(A)PYRENE	140	J
193-39-5	INDENO(1,2,3-CD)PYRENE	110	J
53-70-3	DIBENZO(A,H)ANTHRACENE	440	U
191-24-2	BENZO(G,H,I)PERYLENE	120	J
58-90-2	2,3,4,6-TETRACHLOROPHENOL	440	U
109-06-8	2-PICOLINE	890	U
62-50-0	METHANESULFONIC ACID, ETHYL E	890	U
100-75-4	N-NITROSOPIPERIDINE	890	U
87-65-0	2,6-DICHLOROPHENOL	440	U
924-16-3	NITROSO-DI-N-BUTYLAMINE	440	U
66-27-3	METHANESULFONIC ACID, METHYL	2300	U
98-86-2	ACETOPHENONE	440	U
122-09-8	A,A-DIMETHYLPHENETHYLAMINE	2300	U
608-93-5	PENTACHLOROBENZENE	440	U
92-67-1	4-AMINOBIPHENYL	440	U
60-11-7	P-DIMETHYLAMINOAZOBENZENE	440	U

000167

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TKCSD01E0002

.b Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG7

Matrix: (soil/water) SOIL Lab Sample ID: P188956

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP03059204

Level: (low/med) LOW Date Received: 02/04/92

% Moisture: not dec. 25 dec. ____ Date Extracted: 02/07/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/05/92

GPC Cleanup: (Y/N) N pH: 7.2 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
206-44-0	FLUORANTHENE	380	J
129-00-0	PYRENE	400	J
85-68-7	BUTYLBENZYLPHTHALATE	440	U
91-94-1	3,3'-DICHLOROBENZIDINE	880	U
56-55-3	BENZO(A)ANTHRACENE	180	J
218-01-9	CHRYSENE	300	J
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	120	J
117-84-0	DI-N-OCTYL PHTHALATE	440	U
205-99-2	BENZO(B)FLUORANTHENE	300	J
207-08-9	BENZO(K)FLUORANTHENE	440	U
50-32-8	BENZO(A)PYRENE	140	J
193-39-5	INDENO(1,2,3-CD)PYRENE	110	J
53-70-3	DIBENZO(A,H)ANTHRACENE	440	U
191-24-2	BENZO(G,H,I)PERYLENE	120	J
58-90-2	2,3,4,6-TETRACHLOROPHENOL	440	U
109-06-8	2-PICOLINE	890	U
62-50-0	METHANESULFONIC ACID, ETHYL E	890	U
100-75-4	N-NITROSOPIPERIDINE	890	U
87-65-0	2,6-DICHLOROPHENOL	440	U
924-16-3	NITROSO-DI-N-BUTYLAMINE	440	U
66-27-3	METHANESULFONIC ACID, METHYL	2300	U
98-86-2	ACETOPHENONE	440	U
122-09-8	A,A-DIMETHYLPHENETHYLAMINE	2300	U
608-93-5	PENTACHLOROBENZENE	440	U
92-67-1	4-AMINOBIPHENYL	440	U
60-11-7	P-DIMETHYLAMINOAZOBENZENE	440	U

000167

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TKCSD01E0002

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG7

Matrix: (soil/water) SOIL Lab Sample ID: P188956

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP03059204

Level: (low/med) LOW Date Received: 02/04/92

% Moisture: not dec. 25 dec. ____ Date Extracted: 02/07/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/05/92

GPC Cleanup: (Y/N) N pH: 7.2 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
57-97-6	7,12-DIMETHYLBENZ(A)ANTHRACEN	440	U
95-94-3	1,2,4,5-TETRACHLOROBENZENE	440	U
122-39-4	DIPHENYLAMINE	440	U
62-44-2	PHENACETIN	440	U
56-49-5	3-METHYLCHOLANTHRENE	440	U
23950-58-5	PRONAMIDE	440	U
91-59-8	2-NAPHTHALENEAMINE	440	U
106-50-3	P-PHENYLENEDIAMINE	2300	U
120-58-1	ISOSAFROLE	440	U
99-55-8	5-NITRO-O-TOLUIDINE	890	U
56-57-5	4-NITROQUINOLINE 1-OXIDE	~~2300~~	~~U~~ R
91-80-5	METHYAPYRILENE	440	UJ
781-73-7	2-ACETYLAMINOFLUORENE	440	U
10595-95-6	N-NITROSOMETHYLETHYLAMINE	440	U
55-18-5	N-NITROSODIETHYLAMINE	440	U
930-55-2	N-NITROSOPYRROLIDINE	890	U
59-89-2	N-NITROSOMORPHOLINE	440	U
95-53-4	O-TOLUIDINE	440	U
1981-0-0	0,0,0-TRIETHYLPHOSPHOROTHIOAT	2300	U
94-59-7	SAFROLE	440	U
130-15-4	1,4-NAPHTHOQUINONE	440	UJ
99-35-4	SYM-TRINITROBENZENE	2300	U
1888-71-7	HEXACHLOROPROPENE	~~440~~	~~U~~ R
99-65-0	M-DINITROBENZENE	2300	U
612-82-8	3,3'-DIMETHYLBENZIDINE	~~0~~	~~U~~ R
70-30-4	HEXACHLOROPHENE	4400	U

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1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TKCSD01E0002

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG7

Matrix: (soil/water) SOIL Lab Sample ID: P188956

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP03059204

Level: (low/med) LOW Date Received: 02/04/92

% Moisture: not dec. 25 dec. ____ Date Extracted: 02/07/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/05/92

GPC Cleanup: (Y/N) N pH: 7.2 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
57-97-6	7,12-DIMETHYLBENZ(A)ANTHRACEN	440	U
95-94-3	1,2,4,5-TETRACHLOROBENZENE	440	U
122-39-4	DIPHENYLAMINE	440	U
62-44-2	PHENACETIN	440	U
56-49-5	3-METHYLCHOLANTHRENE	440	U
23950-58-5	PRONAMIDE	440	U
91-59-8	2-NAPHTHALENEAMINE	440	U
106-50-3	P-PHENYLENEDIAMINE	2300	U
120-58-1	ISOSAFROLE	440	U
99-55-8	5-NITRO-O-TOLUIDINE	890	U
56-57-5	4-NITROQUINOLINE 1-OXIDE	~~2300~~	~~U~~ R
91-80-5	METHYAPYRILENE	440	U J
781-73-7	2-ACETYLAMINOFLUORENE	440	U
10595-95-6	N-NITROSOMETHYLETHYLAMINE	440	U
55-18-5	N-NITROSODIETHYLAMINE	440	U
930-55-2	N-NITROSOPYRROLIDINE	890	U
59-89-2	N-NITROSOMORPHOLINE	440	U
95-53-4	O-TOLUIDINE	440	U
1981-0-0	0,0,0-TRIETHYLPHOSPHOROTHIOAT	2300	U
94-59-7	SAFROLE	440	U
130-15-4	1,4-NAPHTHOQUINONE	440	U J
99-35-4	SYM-TRINITROBENZENE	2300	U
1888-71-7	HEXACHLOROPROPENE	~~440~~	~~U~~ R
99-65-0	M-DINITROBENZENE	2300	U
612-82-8	3,3'-DIMETHYLBENZIDINE	~~0~~	~~U~~ R
70-30-4	HEXACHLOROPHENE	4400	U

000168

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TKCSD01E0002

ab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG7

Matrix: (soil/water) SOIL Lab Sample ID: P188956

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP03059204

Level: (low/med) LOW Date Received: 02/04/92

% Moisture: not dec. 25 dec. ____ Date Extracted: 02/07/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/05/92

GPC Cleanup: (Y/N) N pH: 7.2 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
60-51-5	DIMETHOATE	440	U
2303-16-4	DIALLATE	440	U
110-86-1	PYRIDINE	440	U
140-57-8	ARAMITE	2300	UJ
88-85-7	2-SEC-BUTYL-4,6-DINITROPHENOL	440	U
108-39-4	M-CRESOL	440	U
82-68-8	PENTACHLORONITROBENZENE	2300	U

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1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TKCSD01E0002

ab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG7

Matrix: (soil/water) SOIL Lab Sample ID: P188956

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP03059204

Level: (low/med) LOW Date Received: 02/04/92

% Moisture: not dec. 25 dec. ____ Date Extracted: 02/07/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/05/92

GPC Cleanup: (Y/N) N pH: 7.2 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
60-51-5	DIMETHOATE	440	U
2303-16-4	DIALLATE	440	U
110-86-1	PYRIDINE	440	U
140-57-8	ARAMITE	2300	UJ
88-85-7	2-SEC-BUTYL-4,6-DINITROPHENOL	440	U
108-39-4	M-CRESOL	440	U
82-68-8	PENTACHLORONITROBENZENE	2300	U

000169

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TKCSD01F[illegible]

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG7

Matrix: (soil/water) SOIL Lab Sample ID: P188957

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP03099202

Level: (low/med) LOW Date Received: 02/04/92

% Moisture: not dec. 16 dec. ____ Date Extracted: 02/07/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/09/92

GPC Cleanup: (Y/N) N pH: 7.2 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
62-75-9	N-NITROSODIMETHYLAMINE	390	U
108-95-2	PHENOL	390	U
62-53-3	ANILINE	390	U
111-44-4	BIS(2-CHLOROETHYL)ETHER	390	U
95-57-8	2-CHLOROPHENOL	390	U
541-73-1	1,3-DICHLOROBENZENE	390	U
106-46-7	1,4-DICHLOROBENZENE	390	U
100-51-6	BENZYL ALCOHOL	390	U
95-50-1	1,2-DICHLOROBENZENE	390	U
95-48-7	2-METHYLPHENOL	390	U
39638-32-9	BIS(2-CHLOROISOPROPYL)ETHER	390	U
106-44-5	4-METHYLPHENOL	390	U
621-64-7	N-NITROSO-DI-N-PROPYLAMINE	390	U
67-72-1	HEXACHLOROETHANE	390	U
98-95-3	NITROBENZENE	390	U
78-59-1	ISOPHORONE	390	U
88-75-5	2-NITROPHENOL	390	U
105-67-9	2,4-DIMETHYLPHENOL	390	U
111-91-1	BIS(2-CHLOROETHOXY)METHANE	390	U
120-83-2	2,4-DICHLOROPHENOL	390	U
120-82-1	1,2,4-TRICHLOROBENZENE	390	U
91-20-3	NAPHTHALENE	390	U
106-47-8	4-CHLOROANILINE	390	U
87-68-3	HEXACHLOROBUTADIENE	390	U
59-50-7	4-CHLORO-3-METHYLPHENOL	390	U
91-57-6	2-METHYLNAPHTHALENE	390	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TKCSD01F

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG7

Matrix: (soil/water) SOIL Lab Sample ID: P188957

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP03099202

Level: (low/med) LOW Date Received: 02/04/92

% Moisture: not dec. 16 dec. ____ Date Extracted: 02/07/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/09/92

GPC Cleanup: (Y/N) N pH: 7.2 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
62-75-9	N-NITROSODIMETHYLAMINE	390	U
108-95-2	PHENOL	390	U
62-53-3	ANILINE	390	U
111-44-4	BIS(2-CHLOROETHYL)ETHER	390	U
95-57-8	2-CHLOROPHENOL	390	U
541-73-1	1,3-DICHLOROBENZENE	390	U
106-46-7	1,4-DICHLOROBENZENE	390	U
100-51-6	BENZYL ALCOHOL	390	U
95-50-1	1,2-DICHLOROBENZENE	390	U
95-48-7	2-METHYLPHENOL	390	U
39638-32-9	BIS(2-CHLOROISOPROPYL)ETHER	390	U
106-44-5	4-METHYLPHENOL	390	U
621-64-7	N-NITROSO-DI-N-PROPYLAMINE	390	U
67-72-1	HEXACHLOROETHANE	390	U
98-95-3	NITROBENZENE	390	U
78-59-1	ISOPHORONE	390	U
88-75-5	2-NITROPHENOL	390	U
105-67-9	2,4-DIMETHYLPHENOL	390	U
111-91-1	BIS(2-CHLOROETHOXY)METHANE	390	U
120-83-2	2,4-DICHLOROPHENOL	390	U
120-82-1	1,2,4-TRICHLOROBENZENE	390	U
91-20-3	NAPHTHALENE	390	U
106-47-8	4-CHLOROANILINE	390	U
87-68-3	HEXACHLOROBUTADIENE	390	U
59-50-7	4-CHLORO-3-METHYLPHENOL	390	U
91-57-6	2-METHYLNAPHTHALENE	390	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TKCSD01F0002

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG7

Matrix: (soil/water) SOIL Lab Sample ID: P188957

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP03099202

Level: (low/med) LOW Date Received: 02/04/92

% Moisture: not dec. 16 dec. ____ Date Extracted: 02/07/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/09/92

GPC Cleanup: (Y/N) N pH: 7.2 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
77-47-4	HEXACHLOROCYCLOPENTADIENE	390	U
88-06-2	2,4,6-TRICHLOROPHENOL	390	U
95-95-4	2,4,5-TRICHLOROPHENOL	1900	U
91-58-7	2-CHLORONAPHTHALENE	390	U
88-74-4	2-NITROANILINE	1900	U
131-11-3	DIMETHYLPHTHALATE	390	U
208-96-8	ACENAPHTHYLENE	390	U
606-20-2	2,6-DINITRITOLUENE	390	U
99-09-2	3-NITROANILINE	1900	U
83-32-9	ACENAPHTHENE	390	U
51-28-5	2,4-DINITROPHENOL	1900	U
100-02-7	4-NITROPHENOL	1900	U
132-64-9	DIBENZOFURAN	390	U
121-14-2	2,4-DINITROTOLUENE	390	U
84-66-2	DIETHYLPHTHALATE	390	U
7005-72-3	4-CHLOROPHENYL-PHENYLETHER	390	U
86-73-7	FLUORENE	390	U
100-10-6	4-NITROANILINE	1900	U
534-52-1	4,6-DINITRO-2-METHYLPHENOL	1900	U
86-30-6	N-NITROSODIPHENYLAMINE (1)	390	U
101-55-3	4-BROMOPHENYL-PHENYLETHER	390	U
118-74-1	HEXACHLOROBENZENE	390	U
87-86-5	PENTACHLOROPHENOL	1900	U
85-01-8	PHENANTHRENE	150	J
120-12-7	ANTHRACENE	390	U
84-74-2	DI-N-BUTYLPHTHALATE	390	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TKCSD01F0002

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG7

Matrix: (soil/water) SOIL Lab Sample ID: P188957

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP03099202

Level: (low/med) LOW Date Received: 02/04/92

% Moisture: not dec. 16 dec. ____ Date Extracted: 02/07/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/09/92

GPC Cleanup: (Y/N) N pH: 7.2 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
77-47-4	HEXACHLOROCYCLOPENTADIENE	390	U
88-06-2	2,4,6-TRICHLOROPHENOL	390	U
95-95-4	2,4,5-TRICHLOROPHENOL	1900	U
91-58-7	2-CHLORONAPHTHALENE	390	U
88-74-4	2-NITROANILINE	1900	U
131-11-3	DIMETHYLPHTHALATE	390	U
208-96-8	ACENAPHTHYLENE	390	U
606-20-2	2,6-DINITRITOLUENE	390	U
99-09-2	3-NITROANILINE	1900	U
83-32-9	ACENAPHTHENE	390	U
51-28-5	2,4-DINITROPHENOL	1900	U
100-02-7	4-NITROPHENOL	1900	U
132-64-9	DIBENZOFURAN	390	U
121-14-2	2,4-DINITROTOLUENE	390	U
84-66-2	DIETHYLPHTHALATE	390	U
7005-72-3	4-CHLOROPHENYL-PHENYLETHER	390	U
86-73-7	FLUORENE	390	U
100-10-6	4-NITROANILINE	1900	U
534-52-1	4,6-DINITRO-2-METHYLPHENOL	1900	U
86-30-6	N-NITROSODIPHENYLAMINE (1)	390	U
101-55-3	4-BROMOPHENYL-PHENYLETHER	390	U
118-74-1	HEXACHLOROBENZENE	390	U
87-86-5	PENTACHLOROPHENOL	1900	U
85-01-8	PHENANTHRENE	150	J
120-12-7	ANTHRACENE	390	U
84-74-2	DI-N-BUTYLPHTHALATE	390	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TKCSD01F

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG7

Matrix: (soil/water) SOIL Lab Sample ID: P188957

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP03099202

Level: (low/med) LOW Date Received: 02/04/92

% Moisture: not dec. 16 dec. ____ Date Extracted: 02/07/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/09/92

GPC Cleanup: (Y/N) N pH: 7.2 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
206-44-0	FLUORANTHENE	180	J
129-00-0	PYRENE	160	J
85-68-7	BUTYLBENZYLPHTHALATE	390	U
91-94-1	3,3'-DICHLOROBENZIDINE	790	U
56-55-3	BENZO(A)ANTHRACENE	68	J
218-01-9	CHRYSENE	69	J
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	390	U
117-84-0	DI-N-OCTYL PHTHALATE	390	U
205-99-2	BENZO(B)FLUORANTHENE	93	J
207-08-9	BENZO(K)FLUORANTHENE	390	U
50-32-8	BENZO(A)PYRENE	390	U
193-39-5	INDENO(1,2,3-CD)PYRENE	390	U
53-70-3	DIBENZO(A,H)ANTHRACENE	390	U
191-24-2	BENZO(G,H,I)PERYLENE	390	U
58-90-2	2,3,4,6-TETRACHLOROPHENOL	390	U
109-06-8	2-PICOLINE	800	U
62-50-0	METHANESULFONIC ACID, ETHYL E	800	U
100-75-4	N-NITROSOPIPERIDINE	800	U
87-65-0	2,6-DICHLOROPHENOL	390	U
924-16-3	NITROSO-DI-N-BUTYLAMINE	390	U
66-27-3	METHANESULFONIC ACID, METHYL	2000	U
98-86-2	ACETOPHENONE	390	U
122-09-8	A,A-DIMETHYLPHENETHYLAMINE	2000	UJ
608-93-5	PENTACHLOROBENZENE	390	U
92-67-1	4-AMINOBIPHENYL	390	U
60-11-7	P-DIMETHYLAMINOAZOBENZENE	390	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TKCSD01F

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG7

Matrix: (soil/water) SOIL Lab Sample ID: P188957

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP03099202

Level: (low/med) LOW Date Received: 02/04/92

% Moisture: not dec. 16 dec. ____ Date Extracted: 02/07/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/09/92

GPC Cleanup: (Y/N) N pH: 7.2 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
206-44-0	FLUORANTHENE	180	J
129-00-0	PYRENE	160	J
85-68-7	BUTYLBENZYLPHTHALATE	390	U
91-94-1	3,3'-DICHLOROBENZIDINE	790	U
56-55-3	BENZO(A)ANTHRACENE	68	J
218-01-9	CHRYSENE	69	J
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	390	U
117-84-0	DI-N-OCTYL PHTHALATE	390	U
205-99-2	BENZO(B)FLUORANTHENE	93	J
207-08-9	BENZO(K)FLUORANTHENE	390	U
50-32-8	BENZO(A)PYRENE	390	U
193-39-5	INDENO(1,2,3-CD)PYRENE	390	U
53-70-3	DIBENZO(A,H)ANTHRACENE	390	U
191-24-2	BENZO(G,H,I)PERYLENE	390	U
58-90-2	2,3,4,6-TETRACHLOROPHENOL	390	U
109-06-8	2-PICOLINE	800	U
62-50-0	METHANESULFONIC ACID, ETHYL E	800	U
100-75-4	N-NITROSOPIPERIDINE	800	U
87-65-0	2,6-DICHLOROPHENOL	390	U
924-16-3	NITROSO-DI-N-BUTYLAMINE	390	U
66-27-3	METHANESULFONIC ACID, METHYL	2000	U
98-86-2	ACETOPHENONE	390	U
122-09-8	A,A-DIMETHYLPHENETHYLAMINE	2000	U
608-93-5	PENTACHLOROBENZENE	390	U
92-67-1	4-AMINOBIPHENYL	390	U
60-11-7	P-DIMETHYLAMINOAZOBENZENE	390	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TKCSD01F0002

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG7

Matrix: (soil/water) SOIL Lab Sample ID: P188957

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP03099202

Level: (low/med) LOW Date Received: 02/04/92

% Moisture: not dec. 16 dec. ____ Date Extracted: 02/07/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/09/92

GPC Cleanup: (Y/N) N pH: 7.2 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
57-97-6	7,12-DIMETHYLBENZ(A)ANTHRACEN	390	U
95-94-3	1,2,4,5-TETRACHLOROBENZENE	390	U
122-39-4	DIPHENYLAMINE	390	U
62-44-2	PHENACETIN	390	U
56-49-5	3-METHYLCHOLANTHRENE	390	U
23950-58-5	PRONAMIDE	390	U
91-59-8	2-NAPHTHALENEAMINE	390	U
106-50-3	P-PHENYLENEDIAMINE	2000	U
120-58-1	ISOSAFROLE	390	U
99-55-8	5-NITRO-O-TOLUIDINE	800	U
56-57-5	4-NITROQUINOLINE 1-OXIDE	~~2000~~	~~U~~ R
91-80-5	METHYAPYRILENE	390	U
781-73-7	2-ACETYLAMINOFLUORENE	390	U
10595-95-6	N-NITROSOMETHYLETHYLAMINE	390	U
55-18-5	N-NITROSODIETHYLAMINE	390	U
930-55-2	N-NITROSOPYRROLIDINE	800	U
59-89-2	N-NITROSOMORPHOLINE	390	U
95-53-4	O-TOLUIDINE	390	U
1981-0-0	0,0,0-TRIETHYLPHOSPHOROTHIOAT	2000	U
94-59-7	SAFROLE	390	U
130-15-4	1,4-NAPHTHOQUINONE	390	U
99-35-4	SYM-TRINITROBENZENE	2000	U
1888-71-7	HEXACHLOROPROPENE	~~390~~	~~U~~ R
99-65-0	M-DINITROBENZENE	2000	U
612-82-8	3,3'-DIMETHYLBENZIDINE	~~0~~	~~U~~ R
70-30-4	HEXACHLOROPHENE	3900	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TKCSD01F0002

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG7

Matrix: (soil/water) SOIL Lab Sample ID: P188957

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP03099202

Level: (low/med) LOW Date Received: 02/04/92

% Moisture: not dec. 16 dec. ____ Date Extracted: 02/07/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/09/92

GPC Cleanup: (Y/N) N pH: 7.2 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
57-97-6	7,12-DIMETHYLBENZ(A)ANTHRACEN	390	U
95-94-3	1,2,4,5-TETRACHLOROBENZENE	390	U
122-39-4	DIPHENYLAMINE	390	U
62-44-2	PHENACETIN	390	U
56-49-5	3-METHYLCHOLANTHRENE	390	U
23950-58-5	PRONAMIDE	390	U
91-59-8	2-NAPHTHALENEAMINE	390	U
106-50-3	P-PHENYLENEDIAMINE	2000	U
120-58-1	ISOSAFROLE	390	U
99-55-8	5-NITRO-O-TOLUIDINE	800	U
56-57-5	4-NITROQUINOLINE 1-OXIDE	~~2000~~	~~U~~ R
91-80-5	METHYAPYRILENE	390	U
781-73-7	2-ACETYLAMINOFLUORENE	390	U
10595-95-6	N-NITROSOMETHYLETHYLAMINE	390	U
55-18-5	N-NITROSODIETHYLAMINE	390	U
930-55-2	N-NITROSOPYRROLIDINE	800	U
59-89-2	N-NITROSOMORPHOLINE	390	U
95-53-4	O-TOLUIDINE	390	U
1981-0-0	0,0,0-TRIETHYLPHOSPHOROTHIOAT	2000	U
94-59-7	SAFROLE	390	U
130-15-4	1,4-NAPHTHOQUINONE	390	U
99-35-4	SYM-TRINITROBENZENE	2000	U
1888-71-7	HEXACHLOROPROPENE	~~390~~	~~U~~ R
99-65-0	M-DINITROBENZENE	2000	U
612-82-8	3,3'-DIMETHYLBENZIDINE	~~0~~	~~U~~ R
70-30-4	HEXACHLOROPHENE	3900	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TKCSD01F0[illegible]2

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG7

Matrix: (soil/water) SOIL Lab Sample ID: P188957

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP03099202

Level: (low/med) LOW Date Received: 02/04/92

% Moisture: not dec. 16 dec. ____ Date Extracted: 02/07/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/09/92

GPC Cleanup: (Y/N) N pH: 7.2 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
60-51-5	DIMETHOATE	390	U
2303-16-4	DIALLATE	390	U
110-86-1	PYRIDINE	390	U
140-57-8	ARAMITE	2000	U
88-85-7	2-SEC-BUTYL-4,6-DINITROPHENOL	390	U
108-39-4	M-CRESOL	390	U
82-68-8	PENTACHLORONITROBENZENE	2000	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TKCSD01F0[illegible]2

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG7

Matrix: (soil/water) SOIL Lab Sample ID: P188957

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP03099202

Level: (low/med) LOW Date Received: 02/04/92

% Moisture: not dec. 16 dec. ____ Date Extracted: 02/07/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/09/92

GPC Cleanup: (Y/N) N pH: 7.2 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
60-51-5	DIMETHOATE	390	U
2303-16-4	DIALLATE	390	U
110-86-1	PYRIDINE	390	U
140-57-8	ARAMITE	2000	U
88-85-7	2-SEC-BUTYL-4,6-DINITROPHENOL	390	U
108-39-4	M-CRESOL	390	U
82-68-8	PENTACHLORONITROBENZENE	2000	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TKCSD05E0002

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG7

Matrix: (soil/water) SOIL Lab Sample ID: P189154

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP03079201

Level: (low/med) LOW Date Received: 02/06/92

% Moisture: not dec. 13 dec. ____ Date Extracted: 02/12/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/07/92

GPC Cleanup: (Y/N) N pH: 7.4 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
62-75-9	N-NITROSODIMETHYLAMINE	380	U
108-95-2	PHENOL	380	U
62-53-3	ANILINE	380	U
111-44-4	BIS(2-CHLOROETHYL)ETHER	380	U
95-57-8	2-CHLOROPHENOL	380	U
541-73-1	1,3-DICHLOROBENZENE	380	U
106-46-7	1,4-DICHLOROBENZENE	380	U
100-51-6	BENZYL ALCOHOL	380	U
95-50-1	1,2-DICHLOROBENZENE	380	U
95-48-7	2-METHYLPHENOL	380	U
39638-32-9	BIS(2-CHLOROISOPROPYL)ETHER	380	U
106-44-5	4-METHYLPHENOL	380	U
621-64-7	N-NITROSO-DI-N-PROPYLAMINE	380	U
67-72-1	HEXACHLOROETHANE	380	U
98-95-3	NITROBENZENE	380	U
78-59-1	ISOPHORONE	380	U
88-75-5	2-NITROPHENOL	380	U
105-67-9	2,4-DIMETHYLPHENOL	380	U
111-91-1	BIS(2-CHLOROETHOXY)METHANE	380	U
120-83-2	2,4-DICHLOROPHENOL	380	U
120-82-1	1,2,4-TRICHLOROBENZENE	380	U
91-20-3	NAPHTHALENE	380	U
106-47-8	4-CHLOROANILINE	380	U
87-68-3	HEXACHLOROBUTADIENE	380	U
59-50-7	4-CHLORO-3-METHYLPHENOL	380	U
91-57-6	2-METHYLNAPHTHALENE	380	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TKCSD05E0002

Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG7

Matrix: (soil/water) SOIL Lab Sample ID: P189154

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP03079201

Level: (low/med) LOW Date Received: 02/06/92

% Moisture: not dec. 13 dec. ____ Date Extracted: 02/12/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/07/92

GPC Cleanup: (Y/N) N pH: 7.4 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
62-75-9	N-NITROSODIMETHYLAMINE	380	U
108-95-2	PHENOL	380	U
62-53-3	ANILINE	380	U
111-44-4	BIS(2-CHLOROETHYL)ETHER	380	U
95-57-8	2-CHLOROPHENOL	380	U
541-73-1	1,3-DICHLOROBENZENE	380	U
106-46-7	1,4-DICHLOROBENZENE	380	U
100-51-6	BENZYL ALCOHOL	380	U
95-50-1	1,2-DICHLOROBENZENE	380	U
95-48-7	2-METHYLPHENOL	380	U
39638-32-9	BIS(2-CHLOROISOPROPYL)ETHER	380	U
106-44-5	4-METHYLPHENOL	380	U
621-64-7	N-NITROSO-DI-N-PROPYLAMINE	380	U
67-72-1	HEXACHLOROETHANE	380	U
98-95-3	NITROBENZENE	380	U
78-59-1	ISOPHORONE	380	U
88-75-5	2-NITROPHENOL	380	U
105-67-9	2,4-DIMETHYLPHENOL	380	U
111-91-1	BIS(2-CHLOROETHOXY)METHANE	380	U
120-83-2	2,4-DICHLOROPHENOL	380	U
120-82-1	1,2,4-TRICHLOROBENZENE	380	U
91-20-3	NAPHTHALENE	380	U
106-47-8	4-CHLOROANILINE	380	U
87-68-3	HEXACHLOROBUTADIENE	380	U
59-50-7	4-CHLORO-3-METHYLPHENOL	380	U
91-57-6	2-METHYLNAPHTHALENE	380	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TKCSD05E0

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG7

Matrix: (soil/water) SOIL Lab Sample ID: P189154

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP03079201

Level: (low/med) LOW Date Received: 02/06/92

% Moisture: not dec. 13 dec. ____ Date Extracted: 02/12/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/07/92

GPC Cleanup: (Y/N) N pH: 7.4 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
77-47-4	HEXACHLOROCYCLOPENTADIENE	380	U
88-06-2	2,4,6-TRICHLOROPHENOL	380	U
95-95-4	2,4,5-TRICHLOROPHENOL	1800	U
91-58-7	2-CHLORONAPHTHALENE	380	U
88-74-4	2-NITROANILINE	1800	U
131-11-3	DIMETHYLPHTHALATE	380	U
208-96-8	ACENAPHTHYLENE	380	U
606-20-2	2,6-DINITRITOLUENE	380	U
99-09-2	3-NITROANILINE	1800	U
83-32-9	ACENAPHTHENE	380	U
51-28-5	2,4-DINITROPHENOL	1800	U
100-02-7	4-NITROPHENOL	1800	U
132-64-9	DIBENZOFURAN	380	U
121-14-2	2,4-DINITROTOLUENE	380	U
84-66-2	DIETHYLPHTHALATE	380	U
7005-72-3	4-CHLOROPHENYL-PHENYLETHER	380	U
86-73-7	FLUORENE	380	U
100-10-6	4-NITROANILINE	1800	U
534-52-1	4,6-DINITRO-2-METHYLPHENOL	1800	U
86-30-6	N-NITROSODIPHENYLAMINE (1)	380	U
101-55-3	4-BROMOPHENYL-PHENYLETHER	380	U
118-74-1	HEXACHLOROBENZENE	380	U
87-86-5	PENTACHLOROPHENOL	1800	U
85-01-8	PHENANTHRENE	380	U
120-12-7	ANTHRACENE	380	U
84-74-2	DI-N-BUTYLPHTHALATE	65	J

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TKCSD05E0

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG7

Matrix: (soil/water) SOIL Lab Sample ID: P189154

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP03079201

Level: (low/med) LOW Date Received: 02/06/92

% Moisture: not dec. 13 dec. ____ Date Extracted: 02/12/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/07/92

GPC Cleanup: (Y/N) N pH: 7.4 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
77-47-4	HEXACHLOROCYCLOPENTADIENE	380	U
88-06-2	2,4,6-TRICHLOROPHENOL	380	U
95-95-4	2,4,5-TRICHLOROPHENOL	1800	U
91-58-7	2-CHLORONAPHTHALENE	380	U
88-74-4	2-NITROANILINE	1800	U
131-11-3	DIMETHYLPHTHALATE	380	U
208-96-8	ACENAPHTHYLENE	380	U
606-20-2	2,6-DINITRITOLUENE	380	U
99-09-2	3-NITROANILINE	1800	U
83-32-9	ACENAPHTHENE	380	U
51-28-5	2,4-DINITROPHENOL	1800	U
100-02-7	4-NITROPHENOL	1800	U
132-64-9	DIBENZOFURAN	380	U
121-14-2	2,4-DINITROTOLUENE	380	U
84-66-2	DIETHYLPHTHALATE	380	U
7005-72-3	4-CHLOROPHENYL-PHENYLETHER	380	U
86-73-7	FLUORENE	380	U
100-10-6	4-NITROANILINE	1800	U
534-52-1	4,6-DINITRO-2-METHYLPHENOL	1800	U
86-30-6	N-NITROSODIPHENYLAMINE (1)	380	U
101-55-3	4-BROMOPHENYL-PHENYLETHER	380	U
118-74-1	HEXACHLOROBENZENE	380	U
87-86-5	PENTACHLOROPHENOL	1800	U
85-01-8	PHENANTHRENE	380	U
120-12-7	ANTHRACENE	380	U
84-74-2	DI-N-BUTYLPHTHALATE	65	J

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TKCSD05E0002

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG7

Matrix: (soil/water) SOIL Lab Sample ID: P189154

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP03079201

Level: (low/med) LOW Date Received: 02/06/92

% Moisture: not dec. 13 dec. ____ Date Extracted: 02/12/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/07/92

GPC Cleanup: (Y/N) N pH: 7.4 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
206-44-0	FLUORANTHENE	160	J
129-00-0	PYRENE	210	J
85-68-7	BUTYLBENZYLPHTHALATE	380	U
91-94-1	3,3'-DICHLOROBENZIDINE	760	U
56-55-3	BENZO(A)ANTHRACENE	90	J
218-01-9	CHRYSENE	110	J
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	120	J
117-84-0	DI-N-OCTYL PHTHALATE	380	U
205-99-2	BENZO(B)FLUORANTHENE	160	J
207-08-9	BENZO(K)FLUORANTHENE	380	U
50-32-8	BENZO(A)PYRENE	72	J
193-39-5	INDENO(1,2,3-CD)PYRENE	380	U
53-70-3	DIBENZO(A,H)ANTHRACENE	380	U
191-24-2	BENZO(G,H,I)PERYLENE	380	U
58-90-2	2,3,4,6-TETRACHLOROPHENOL	380	U
109-06-8	2-PICOLINE	770	U
62-50-0	METHANESULFONIC ACID, ETHYL E	770	U
100-75-4	N-NITROSOPIPERIDINE	770	U
87-65-0	2,6-DICHLOROPHENOL	380	U
924-16-3	NITROSO-DI-N-BUTYLAMINE	380	U
66-27-3	METHANESULFONIC ACID, METHYL	2000	U
98-86-2	ACETOPHENONE	380	U
122-09-8	A,A-DIMETHYLPHENETHYLAMINE	2000	U
608-93-5	PENTACHLOROBENZENE	380	U
92-67-1	4-AMINOBIPHENYL	380	U
60-11-7	P-DIMETHYLAMINOAZOBENZENE	380	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TKCSD05E0002

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG7

Matrix: (soil/water) SOIL Lab Sample ID: P189154

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP03079201

Level: (low/med) LOW Date Received: 02/06/92

% Moisture: not dec. 13 dec. ____ Date Extracted: 02/12/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/07/92

GPC Cleanup: (Y/N) N pH: 7.4 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
206-44-0	FLUORANTHENE	160	J
129-00-0	PYRENE	210	J
85-68-7	BUTYLBENZYLPHTHALATE	380	U
91-94-1	3,3'-DICHLOROBENZIDINE	760	U
56-55-3	BENZO(A)ANTHRACENE	90	J
218-01-9	CHRYSENE	110	J
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	120	J
117-84-0	DI-N-OCTYL PHTHALATE	380	U
205-99-2	BENZO(B)FLUORANTHENE	160	J
207-08-9	BENZO(K)FLUORANTHENE	380	U
50-32-8	BENZO(A)PYRENE	72	J
193-39-5	INDENO(1,2,3-CD)PYRENE	380	U
53-70-3	DIBENZO(A,H)ANTHRACENE	380	U
191-24-2	BENZO(G,H,I)PERYLENE	380	U
58-90-2	2,3,4,6-TETRACHLOROPHENOL	380	U
109-06-8	2-PICOLINE	770	U
62-50-0	METHANESULFONIC ACID, ETHYL E	770	U
100-75-4	N-NITROSOPIPERIDINE	770	U
87-65-0	2,6-DICHLOROPHENOL	380	U
924-16-3	NITROSO-DI-N-BUTYLAMINE	380	U
66-27-3	METHANESULFONIC ACID, METHYL	2000	U
98-86-2	ACETOPHENONE	380	U
122-09-8	A,A-DIMETHYLPHENETHYLAMINE	2000	U
608-93-5	PENTACHLOROBENZENE	380	U
92-67-1	4-AMINOBIPHENYL	380	U
60-11-7	P-DIMETHYLAMINOAZOBENZENE	380	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TKCSD05E00

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG7

Matrix: (soil/water) SOIL Lab Sample ID: P189154

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP03079201

Level: (low/med) LOW Date Received: 02/06/92

% Moisture: not dec. 13 dec. ____ Date Extracted: 02/12/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/07/92

GPC Cleanup: (Y/N) N pH: 7.4 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
57-97-6	7,12-DIMETHYLBENZ(A)ANTHRACEN	380	U
95-94-3	1,2,4,5-TETRACHLOROBENZENE	380	U
122-39-4	DIPHENYLAMINE	380	U
62-44-2	PHENACETIN	380	U
56-49-5	3-METHYLCHOLANTHRENE	380	U
23950-58-5	PRONAMIDE	380	U
91-59-8	2-NAPHTHALENEAMINE	380	U
106-50-3	P-PHENYLENEDIAMINE	2000	U
120-58-1	ISOSAFROLE	380	U
99-55-8	5-NITRO-O-TOLUIDINE	770	U
56-57-5	4-NITROQUINOLINE 1-OXIDE	~~2000~~	~~U~~ R
91-80-5	METHYAPYRILENE	380	~~U~~ UJ
781-73-7	2-ACETYLAMINOFLUORENE	380	U
10595-95-6	N-NITROSOMETHYLETHYLAMINE	380	UJ
55-18-5	N-NITROSODIETHYLAMINE	380	U
930-55-2	N-NITROSOPYRROLIDINE	770	UJ
59-89-2	N-NITROSOMORPHOLINE	380	UJ
95-53-4	O-TOLUIDINE	380	U
1981-0-0	0,0,0-TRIETHYLPHOSPHOROTHIOAT	2000	U
94-59-7	SAFROLE	380	U
130-15-4	1,4-NAPHTHOQUINONE	380	UJ
99-35-4	SYM-TRINITROBENZENE	2000	UJ
1888-71-7	HEXACHLOROPROPENE	~~380~~	~~U~~ R
99-65-0	M-DINITROBENZENE	2000	U
612-82-8	3,3'-DIMETHYLBENZIDINE	~~0~~	~~U~~ R
70-30-4	HEXACHLOROPHENE	3800	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TKCSD05E00

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG7

Matrix: (soil/water) SOIL Lab Sample ID: P189154

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP03079201

Level: (low/med) LOW Date Received: 02/06/92

% Moisture: not dec. 13 dec. ____ Date Extracted: 02/12/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/07/92

GPC Cleanup: (Y/N) N pH: 7.4 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
57-97-6	7,12-DIMETHYLBENZ(A)ANTHRACEN	380	U
95-94-3	1,2,4,5-TETRACHLOROBENZENE	380	U
122-39-4	DIPHENYLAMINE	380	U
62-44-2	PHENACETIN	380	U
56-49-5	3-METHYLCHOLANTHRENE	380	U
23950-58-5	PRONAMIDE	380	U
91-59-8	2-NAPHTHALENEAMINE	380	U
106-50-3	P-PHENYLENEDIAMINE	2000	U
120-58-1	ISOSAFROLE	380	U
99-55-8	5-NITRO-O-TOLUIDINE	770	U
56-57-5	4-NITROQUINOLINE 1-OXIDE	~~2000~~	~~U~~ R
91-80-5	METHYAPYRILENE	380	~~U~~ UJ
781-73-7	2-ACETYLAMINOFLUORENE	380	U
10595-95-6	N-NITROSOMETHYLETHYLAMINE	380	UJ
55-18-5	N-NITROSODIETHYLAMINE	380	U
930-55-2	N-NITROSOPYRROLIDINE	770	UJ
59-89-2	N-NITROSOMORPHOLINE	380	UJ
95-53-4	O-TOLUIDINE	380	U
1981-0-0	0,0,0-TRIETHYLPHOSPHOROTHIOAT	2000	U
94-59-7	SAFROLE	380	U
130-15-4	1,4-NAPHTHOQUINONE	380	UJ
99-35-4	SYM-TRINITROBENZENE	2000	UJ
1888-71-7	HEXACHLOROPROPENE	~~380~~	~~U~~ R
99-65-0	M-DINITROBENZENE	2000	U
612-82-8	3,3'-DIMETHYLBENZIDINE	~~0~~	~~U~~ R
70-30-4	HEXACHLOROPHENE	3800	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TKCSD05E0002

ıb Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG7

Matrix: (soil/water) SOIL Lab Sample ID: P189154

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP03079201

Level: (low/med) LOW Date Received: 02/06/92

% Moisture: not dec. 13 dec. ____ Date Extracted: 02/12/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/07/92

GPC Cleanup: (Y/N) N pH: 7.4 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
60-51-5	DIMETHOATE	380	U
2303-16-4	DIALLATE	380	U
110-86-1	PYRIDINE	380	U
140-57-8	ARAMITE	2000	U
88-85-7	2-SEC-BUTYL-4,6-DINITROPHENOL	380	U
108-39-4	M-CRESOL	380	U
82-68-8	PENTACHLORONITROBENZENE	2000	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TKCSD05E0002

ıb Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG7

Matrix: (soil/water) SOIL Lab Sample ID: P189154

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP03079201

Level: (low/med) LOW Date Received: 02/06/92

% Moisture: not dec. 13 dec. ____ Date Extracted: 02/12/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/07/92

GPC Cleanup: (Y/N) N pH: 7.4 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
60-51-5	DIMETHOATE	380	U
2303-16-4	DIALLATE	380	U
110-86-1	PYRIDINE	380	U
140-57-8	ARAMITE	2000	U
88-85-7	2-SEC-BUTYL-4,6-DINITROPHENOL	380	U
108-39-4	M-CRESOL	380	U
82-68-8	PENTACHLORONITROBENZENE	2000	U

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1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TCCSD06E0C

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG7

Matrix: (soil/water) SOIL Lab Sample ID: P189027

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP03039205

Level: (low/med) LOW Date Received: 02/05/92

% Moisture: not dec. 22 dec. ____ Date Extracted: 02/10/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/03/92

GPC Cleanup: (Y/N) N pH: 6.6 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
62-75-9	N-NITROSODIMETHYLAMINE	420	U
108-95-2	PHENOL	420	U
62-53-3	ANILINE	420	U
111-44-4	BIS(2-CHLOROETHYL)ETHER	420	U
95-57-8	2-CHLOROPHENOL	420	U
541-73-1	1,3-DICHLOROBENZENE	420	U
106-46-7	1,4-DICHLOROBENZENE	420	U
100-51-6	BENZYL ALCOHOL	420	U
95-50-1	1,2-DICHLOROBENZENE	420	U
95-48-7	2-METHYLPHENOL	420	U
39638-32-9	BIS(2-CHLOROISOPROPYL)ETHER	420	U
106-44-5	4-METHYLPHENOL	420	U
621-64-7	N-NITROSO-DI-N-PROPYLAMINE	420	U
67-72-1	HEXACHLOROETHANE	420	U
98-95-3	NITROBENZENE	420	U
78-59-1	ISOPHORONE	420	U
88-75-5	2-NITROPHENOL	420	U
105-67-9	2,4-DIMETHYLPHENOL	420	U
111-91-1	BIS(2-CHLOROETHOXY)METHANE	420	U
120-83-2	2,4-DICHLOROPHENOL	420	U
120-82-1	1,2,4-TRICHLOROBENZENE	420	U
91-20-3	NAPHTHALENE	420	U
106-47-8	4-CHLOROANILINE	420	U
87-68-3	HEXACHLOROBUTADIENE	420	U
59-50-7	4-CHLORO-3-METHYLPHENOL	420	U
91-57-6	2-METHYLNAPHTHALENE	420	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TCCSD06E0C

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG7

Matrix: (soil/water) SOIL Lab Sample ID: P189027

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP03039205

Level: (low/med) LOW Date Received: 02/05/92

% Moisture: not dec. 22 dec. ____ Date Extracted: 02/10/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/03/92

GPC Cleanup: (Y/N) N pH: 6.6 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
62-75-9	N-NITROSODIMETHYLAMINE	420	U
108-95-2	PHENOL	420	U
62-53-3	ANILINE	420	U
111-44-4	BIS(2-CHLOROETHYL)ETHER	420	U
95-57-8	2-CHLOROPHENOL	420	U
541-73-1	1,3-DICHLOROBENZENE	420	U
106-46-7	1,4-DICHLOROBENZENE	420	U
100-51-6	BENZYL ALCOHOL	420	U
95-50-1	1,2-DICHLOROBENZENE	420	U
95-48-7	2-METHYLPHENOL	420	U
39638-32-9	BIS(2-CHLOROISOPROPYL)ETHER	420	U
106-44-5	4-METHYLPHENOL	420	U
621-64-7	N-NITROSO-DI-N-PROPYLAMINE	420	U
67-72-1	HEXACHLOROETHANE	420	U
98-95-3	NITROBENZENE	420	U
78-59-1	ISOPHORONE	420	U
88-75-5	2-NITROPHENOL	420	U
105-67-9	2,4-DIMETHYLPHENOL	420	U
111-91-1	BIS(2-CHLOROETHOXY)METHANE	420	U
120-83-2	2,4-DICHLOROPHENOL	420	U
120-82-1	1,2,4-TRICHLOROBENZENE	420	U
91-20-3	NAPHTHALENE	420	U
106-47-8	4-CHLOROANILINE	420	U
87-68-3	HEXACHLOROBUTADIENE	420	U
59-50-7	4-CHLORO-3-METHYLPHENOL	420	U
91-57-6	2-METHYLNAPHTHALENE	420	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TCCSD06E0002

Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG7

Matrix: (soil/water) SOIL Lab Sample ID: P189027

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP03039205

Level: (low/med) LOW Date Received: 02/05/92

% Moisture: not dec. 22 dec. ____ Date Extracted: 02/10/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/03/92

GPC Cleanup: (Y/N) N pH: 6.6 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
77-47-4	HEXACHLOROCYCLOPENTADIENE	420	U
88-06-2	2,4,6-TRICHLOROPHENOL	420	U
95-95-4	2,4,5-TRICHLOROPHENOL	2100	U
91-58-7	2-CHLORONAPHTHALENE	420	U
88-74-4	2-NITROANILINE	2100	U
131-11-3	DIMETHYLPHTHALATE	420	U
208-96-8	ACENAPHTHYLENE	420	U
606-20-2	2,6-DINITRITOLUENE	420	U
99-09-2	3-NITROANILINE	2100	U
83-32-9	ACENAPHTHENE	420	U
51-28-5	2,4-DINITROPHENOL	2100	U
100-02-7	4-NITROPHENOL	2100	U
132-64-9	DIBENZOFURAN	420	U
121-14-2	2,4-DINITROTOLUENE	420	U
84-66-2	DIETHYLPHTHALATE	420	U
7005-72-3	4-CHLOROPHENYL-PHENYLETHER	420	U
86-73-7	FLUORENE	420	U
100-10-6	4-NITROANILINE	2100	U
534-52-1	4,6-DINITRO-2-METHYLPHENOL	2100	U
86-30-6	N-NITROSODIPHENYLAMINE (1)	420	U
101-55-3	4-BROMOPHENYL-PHENYLETHER	420	U
118-74-1	HEXACHLOROBENZENE	420	U
87-86-5	PENTACHLOROPHENOL	2100	U
85-01-8	PHENANTHRENE	420	U
120-12-7	ANTHRACENE	420	U
84-74-2	DI-N-BUTYLPHTHALATE	420	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TCCSD06E0002

Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG7

Matrix: (soil/water) SOIL Lab Sample ID: P189027

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP03039205

Level: (low/med) LOW Date Received: 02/05/92

% Moisture: not dec. 22 dec. ____ Date Extracted: 02/10/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/03/92

GPC Cleanup: (Y/N) N pH: 6.6 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
77-47-4	HEXACHLOROCYCLOPENTADIENE	420	U
88-06-2	2,4,6-TRICHLOROPHENOL	420	U
95-95-4	2,4,5-TRICHLOROPHENOL	2100	U
91-58-7	2-CHLORONAPHTHALENE	420	U
88-74-4	2-NITROANILINE	2100	U
131-11-3	DIMETHYLPHTHALATE	420	U
208-96-8	ACENAPHTHYLENE	420	U
606-20-2	2,6-DINITRITOLUENE	420	U
99-09-2	3-NITROANILINE	2100	U
83-32-9	ACENAPHTHENE	420	U
51-28-5	2,4-DINITROPHENOL	2100	U
100-02-7	4-NITROPHENOL	2100	U
132-64-9	DIBENZOFURAN	420	U
121-14-2	2,4-DINITROTOLUENE	420	U
84-66-2	DIETHYLPHTHALATE	420	U
7005-72-3	4-CHLOROPHENYL-PHENYLETHER	420	U
86-73-7	FLUORENE	420	U
100-10-6	4-NITROANILINE	2100	U
534-52-1	4,6-DINITRO-2-METHYLPHENOL	2100	U
86-30-6	N-NITROSODIPHENYLAMINE (1)	420	U
101-55-3	4-BROMOPHENYL-PHENYLETHER	420	U
118-74-1	HEXACHLOROBENZENE	420	U
87-86-5	PENTACHLOROPHENOL	2100	U
85-01-8	PHENANTHRENE	420	U
120-12-7	ANTHRACENE	420	U
84-74-2	DI-N-BUTYLPHTHALATE	420	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TCCSD06E0

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG7

Matrix: (soil/water) SOIL Lab Sample ID: P189027

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP03039205

Level: (low/med) LOW Date Received: 02/05/92

% Moisture: not dec. 22 dec. ____ Date Extracted: 02/10/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/03/92

GPC Cleanup: (Y/N) N pH: 6.6 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
206-44-0	FLUORANTHENE	420	U
129-00-0	PYRENE	420	U
85-68-7	BUTYLBENZYLPHTHALATE	420	U
91-94-1	3,3'-DICHLOROBENZIDINE	850	U
56-55-3	BENZO(A)ANTHRACENE	420	U
218-01-9	CHRYSENE	420	U
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	420	U
117-84-0	DI-N-OCTYL PHTHALATE	420	U
205-99-2	BENZO(B)FLUORANTHENE	420	U
207-08-9	BENZO(K)FLUORANTHENE	420	U
50-32-8	BENZO(A)PYRENE	420	U
193-39-5	INDENO(1,2,3-CD)PYRENE	420	U
53-70-3	DIBENZO(A,H)ANTHRACENE	420	U
191-24-2	BENZO(G,H,I)PERYLENE	420	U
58-90-2	2,3,4,6-TETRACHLOROPHENOL	420	U
109-06-8	2-PICOLINE	860	U
62-50-0	METHANESULFONIC ACID, ETHYL E	860	U
100-75-4	N-NITROSOPIPERIDINE	860	U
87-65-0	2,6-DICHLOROPHENOL	420	U
924-16-3	NITROSO-DI-N-BUTYLAMINE	420	U
66-27-3	METHANESULFONIC ACID, METHYL	2200	U
98-86-2	ACETOPHENONE	420	U
122-09-8	A,A-DIMETHYLPHENETHYLAMINE	2200	U
608-93-5	PENTACHLOROBENZENE	420	U
92-67-1	4-AMINOBIPHENYL	420	U
60-11-7	P-DIMETHYLAMINOAZOBENZENE	420	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TCCSD06E0

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG7

Matrix: (soil/water) SOIL Lab Sample ID: P189027

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP03039205

Level: (low/med) LOW Date Received: 02/05/92

% Moisture: not dec. 22 dec. _____ Date Extracted: 02/10/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/03/92

GPC Cleanup: (Y/N) N pH: 6.6 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
206-44-0	FLUORANTHENE	420	U
129-00-0	PYRENE	420	U
85-68-7	BUTYLBENZYLPHTHALATE	420	U
91-94-1	3,3'-DICHLOROBENZIDINE	850	U
56-55-3	BENZO(A)ANTHRACENE	420	U
218-01-9	CHRYSENE	420	U
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	420	U
117-84-0	DI-N-OCTYL PHTHALATE	420	U
205-99-2	BENZO(B)FLUORANTHENE	420	U
207-08-9	BENZO(K)FLUORANTHENE	420	U
50-32-8	BENZO(A)PYRENE	420	U
193-39-5	INDENO(1,2,3-CD)PYRENE	420	U
53-70-3	DIBENZO(A,H)ANTHRACENE	420	U
191-24-2	BENZO(G,H,I)PERYLENE	420	U
58-90-2	2,3,4,6-TETRACHLOROPHENOL	420	U
109-06-8	2-PICOLINE	860	U
62-50-0	METHANESULFONIC ACID, ETHYL E	860	U
100-75-4	N-NITROSOPIPERIDINE	860	U
87-65-0	2,6-DICHLOROPHENOL	420	U
924-16-3	NITROSO-DI-N-BUTYLAMINE	420	U
66-27-3	METHANESULFONIC ACID, METHYL	2200	U
98-86-2	ACETOPHENONE	420	U
122-09-8	A,A-DIMETHYLPHENETHYLAMINE	2200	U
608-93-5	PENTACHLOROBENZENE	420	U
92-67-1	4-AMINOBIPHENYL	420	U
60-11-7	P-DIMETHYLAMINOAZOBENZENE	420	U

1X

ORGANICS ANALYSIS DATA SHEET

TCCSD06E0002

Contract: _____

Name: NUS-LSG

SAS No.: _____ SDG No.: PKG7

.e: HNUS Case No.: TNK

Lab Sample ID: P189027

ix: (soil/water) SOIL

Lab File ID: ABP03039205

le wt/vol: 30.0 (g/mL) G

Date Received: 02/05/92

el: (low/med) LOW

Date Extracted: 02/10/92

oisture: not dec. 22 dec. ____

Date Analyzed: 03/03/92

raction: (SepF/Cont/Sonc) SONC

Dilution Factor: 1.00

Cleanup: (Y/N) N pH: 6.6

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND		Q
57-97-6	7,12-DIMETHYLBENZ(A)ANTHRACEN	420	U
95-94-3	1,2,4,5-TETRACHLOROBENZENE	420	U
122-39-4	DIPHENYLAMINE	420	U
62-44-2	PHENACETIN	420	U
56-49-5	3-METHYLCHOLANTHRENE	420	U
23950-58-5	PRONAMIDE	420	U
91-59-8	2-NAPHTHALENEAMINE	420	U
106-50-3	P-PHENYLENEDIAMINE	2200	U
120-58-1	ISOSAFROLE	420	UJ
99-55-8	5-NITRO-O-TOLUIDINE	860	U
56-57-5	4-NITROQUINOLINE 1-OXIDE	~~2200~~	~~U~~ R
91-80-5	METHYAPYRILENE	420	U
781-73-7	2-ACETYLAMINOFLUORENE	420	U
10595-95-6	N-NITROSOMETHYLETHYLAMINE	420	U
55-18-5	N-NITROSODIETHYLAMINE	420	U
930-55-2	N-NITROSOPYRROLIDINE	860	U
59-89-2	N-NITROSOMORPHOLINE	420	U
95-53-4	O-TOLUIDINE	420	U
1981-0-0	0,0,0-TRIETHYLPHOSPHOROTHIOAT	2200	U
94-59-7	SAFROLE	420	U
130-15-4	1,4-NAPHTHOQUINONE	420	UJ
99-35-4	SYM-TRINITROBENZENE	2200	U
1888-71-7	HEXACHLOROPROPENE	~~420~~	~~U~~ R
99-65-0	M-DINITROBENZENE	2200	UJ
612-82-8	3,3'-DIMETHYLBENZIDINE	~~0~~	~~U~~ R
70-30-4	HEXACHLOROPHENE	4200	U

1X
ORGANICS ANALYSIS DATA SHEET

TCCSD06E0002

Contract: _____

Name: NUS-LSG

SAS No.: _____ SDG No.: PKG7

.e: HNUS Case No.: TNK

Lab Sample ID: P189027

ix: (soil/water) SOIL

Lab File ID: ABP03039205

le wt/vol: 30.0 (g/mL) G

Date Received: 02/05/92

el: (low/med) LOW

Date Extracted: 02/10/92

oisture: not dec. 22 dec. ____

Date Analyzed: 03/03/92

raction: (SepF/Cont/Sonc) SONC

Dilution Factor: 1.00

Cleanup: (Y/N) N pH: 6.6

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND		Q
57-97-6	7,12-DIMETHYLBENZ(A)ANTHRACEN	420	U
95-94-3	1,2,4,5-TETRACHLOROBENZENE	420	U
122-39-4	DIPHENYLAMINE	420	U
62-44-2	PHENACETIN	420	U
56-49-5	3-METHYLCHOLANTHRENE	420	U
23950-58-5	PRONAMIDE	420	U
91-59-8	2-NAPHTHALENEAMINE	420	U
106-50-3	P-PHENYLENEDIAMINE	2200	U
120-58-1	ISOSAFROLE	420	UJ
99-55-8	5-NITRO-O-TOLUIDINE	860	U
56-57-5	4-NITROQUINOLINE 1-OXIDE	~~2200~~	~~U~~ R
91-80-5	METHYAPYRILENE	420	U
781-73-7	2-ACETYLAMINOFLUORENE	420	U
10595-95-6	N-NITROSOMETHYLETHYLAMINE	420	U
55-18-5	N-NITROSODIETHYLAMINE	420	U
930-55-2	N-NITROSOPYRROLIDINE	860	U
59-89-2	N-NITROSOMORPHOLINE	420	U
95-53-4	O-TOLUIDINE	420	U
1981-0-0	0,0,0-TRIETHYLPHOSPHOROTHIOAT	2200	U
94-59-7	SAFROLE	420	U
130-15-4	1,4-NAPHTHOQUINONE	420	UJ
99-35-4	SYM-TRINITROBENZENE	2200	U
1888-71-7	HEXACHLOROPROPENE	~~420~~	~~U~~ R
99-65-0	M-DINITROBENZENE	2200	UJ
612-82-8	3,3'-DIMETHYLBENZIDINE	~~0~~	~~U~~ R
70-30-4	HEXACHLOROPHENE	4200	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TCCSD06E0002

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG7

Matrix: (soil/water) SOIL Lab Sample ID: P189027

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP03039205

Level: (low/med) LOW Date Received: 02/05/92

% Moisture: not dec. 22 dec. ____ Date Extracted: 02/10/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/03/92

GPC Cleanup: (Y/N) N pH: 6.6 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
60-51-5	DIMETHOATE	420	U
2303-16-4	DIALLATE	420	U
110-86-1	PYRIDINE	420	U
140-57-8	ARAMITE	2200	U
88-85-7	2-SEC-BUTYL-4,6-DINITROPHENOL	420	U
108-39-4	M-CRESOL	420	U
82-68-8	PENTACHLORONITROBENZENE	2200	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TCCSD06E0002

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG7

Matrix: (soil/water) SOIL Lab Sample ID: P189027

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP03039205

Level: (low/med) LOW Date Received: 02/05/92

% Moisture: not dec. 22 dec. ____ Date Extracted: 02/10/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/03/92

GPC Cleanup: (Y/N) N pH: 6.6 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
60-51-5	DIMETHOATE	420	U
2303-16-4	DIALLATE	420	U
110-86-1	PYRIDINE	420	U
140-57-8	ARAMITE	2200	U
88-85-7	2-SEC-BUTYL-4,6-DINITROPHENOL	420	U
108-39-4	M-CRESOL	420	U
82-68-8	PENTACHLORONITROBENZENE	2200	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TCCSD15E0002

NUS-LSG Contract: _____

HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG7

soil/water) SOIL Lab Sample ID: P189030

vol: 30.0 (g/mL) G Lab File ID: ABP03039206

(low/med) LOW Date Received: 02/05/92

e: not dec. 28 dec. ____ Date Extracted: 02/10/92

n: (SepF/Cont/Sonc) SONC Date Analyzed: 03/03/92

p: (Y/N) N pH: 7.0 Dilution Factor: 1.00

S NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-9	N-NITROSODIMETHYLAMINE	460	U
-95-2	PHENOL	460	U
-53-3	ANILINE	460	U
-44-4	BIS(2-CHLOROETHYL)ETHER	460	U
-57-8	2-CHLOROPHENOL	460	U
-73-1	1,3-DICHLOROBENZENE	460	U
-46-7	1,4-DICHLOROBENZENE	460	U
-51-6	BENZYL ALCOHOL	460	U
-50-1	1,2-DICHLOROBENZENE	460	U
-48-7	2-METHYLPHENOL	460	U
38-32-9	BIS(2-CHLOROISOPROPYL)ETHER	460	U
-44-5	4-METHYLPHENOL	460	U
-64-7	N-NITROSO-DI-N-PROPYLAMINE	460	U
72-1	HEXACHLOROETHANE	460	U
-95-3	NITROBENZENE	460	U
-59-1	ISOPHORONE	460	U
-75-5	2-NITROPHENOL	460	U
-67-9	2,4-DIMETHYLPHENOL	460	U
-91-1	BIS(2-CHLOROETHOXY)METHANE	460	U
-83-2	2,4-DICHLOROPHENOL	460	U
-82-1	1,2,4-TRICHLOROBENZENE	460	U
20-3	NAPHTHALENE	460	U
-47-8	4-CHLOROANILINE	460	U
-68-3	HEXACHLOROBUTADIENE	460	U
-50-7	4-CHLORO-3-METHYLPHENOL	460	U
-57-6	2-METHYLNAPHTHALENE	460	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TCCSD15E0002

NUS-LSG Contract: _____

HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG7

soil/water) SOIL Lab Sample ID: P189030

vol: 30.0 (g/mL) G Lab File ID: ABP03039206

(low/med) LOW Date Received: 02/05/92

e: not dec. 28 dec. ____ Date Extracted: 02/10/92

n: (SepF/Cont/Sonc) SONC Date Analyzed: 03/03/92

p: (Y/N) N pH: 7.0 Dilution Factor: 1.00

S NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-9	N-NITROSODIMETHYLAMINE	460	U
95-2	PHENOL	460	U
53-3	ANILINE	460	U
44-4	BIS(2-CHLOROETHYL)ETHER	460	U
57-8	2-CHLOROPHENOL	460	U
73-1	1,3-DICHLOROBENZENE	460	U
46-7	1,4-DICHLOROBENZENE	460	U
51-6	BENZYL ALCOHOL	460	U
50-1	1,2-DICHLOROBENZENE	460	U
48-7	2-METHYLPHENOL	460	U
38-32-9	BIS(2-CHLOROISOPROPYL)ETHER	460	U
44-5	4-METHYLPHENOL	460	U
64-7	N-NITROSO-DI-N-PROPYLAMINE	460	U
72-1	HEXACHLOROETHANE	460	U
95-3	NITROBENZENE	460	U
59-1	ISOPHORONE	460	U
75-5	2-NITROPHENOL	460	U
67-9	2,4-DIMETHYLPHENOL	460	U
91-1	BIS(2-CHLOROETHOXY)METHANE	460	U
83-2	2,4-DICHLOROPHENOL	460	U
82-1	1,2,4-TRICHLOROBENZENE	460	U
20-3	NAPHTHALENE	460	U
47-8	4-CHLOROANILINE	460	U
68-3	HEXACHLOROBUTADIENE	460	U
50-7	4-CHLORO-3-METHYLPHENOL	460	U
57-6	2-METHYLNAPHTHALENE	460	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TCCSD15E000

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG7

Matrix: (soil/water) SOIL Lab Sample ID: P189030

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP03039206

Level: (low/med) LOW Date Received: 02/05/92

% Moisture: not dec. 28 dec. ____ Date Extracted: 02/10/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/03/92

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
77-47-4	HEXACHLOROCYCLOPENTADIENE	460	U
88-06-2	2,4,6-TRICHLOROPHENOL	460	U
95-95-4	2,4,5-TRICHLOROPHENOL	2200	U
91-58-7	2-CHLORONAPHTHALENE	460	U
88-74-4	2-NITROANILINE	2200	U
131-11-3	DIMETHYLPHTHALATE	460	U
208-96-8	ACENAPHTHYLENE	460	U
606-20-2	2,6-DINITRITOLUENE	460	U
99-09-2	3-NITROANILINE	2200	U
83-32-9	ACENAPHTHENE	460	U
51-28-5	2,4-DINITROPHENOL	2200	U
100-02-7	4-NITROPHENOL	2200	U
132-64-9	DIBENZOFURAN	460	U
121-14-2	2,4-DINITROTOLUENE	460	U
84-66-2	DIETHYLPHTHALATE	460	U
7005-72-3	4-CHLOROPHENYL-PHENYLETHER	460	U
86-73-7	FLUORENE	460	U
100-10-6	4-NITROANILINE	2200	U
534-52-1	4,6-DINITRO-2-METHYLPHENOL	2200	U
86-30-6	N-NITROSODIPHENYLAMINE (1)	460	U
101-55-3	4-BROMOPHENYL-PHENYLETHER	460	U
118-74-1	HEXACHLOROBENZENE	460	U
87-86-5	PENTACHLOROPHENOL	2200	U
85-01-8	PHENANTHRENE	460	U
120-12-7	ANTHRACENE	460	U
84-74-2	DI-N-BUTYLPHTHALATE	460	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TCCSD15E000

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG7

Matrix: (soil/water) SOIL Lab Sample ID: P189030

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP03039206

Level: (low/med) LOW Date Received: 02/05/92

% Moisture: not dec. 28 dec. ____ Date Extracted: 02/10/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/03/92

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
77-47-4	HEXACHLOROCYCLOPENTADIENE	460	U
88-06-2	2,4,6-TRICHLOROPHENOL	460	U
95-95-4	2,4,5-TRICHLOROPHENOL	2200	U
91-58-7	2-CHLORONAPHTHALENE	460	U
88-74-4	2-NITROANILINE	2200	U
131-11-3	DIMETHYLPHTHALATE	460	U
208-96-8	ACENAPHTHYLENE	460	U
606-20-2	2,6-DINITRITOLUENE	460	U
99-09-2	3-NITROANILINE	2200	U
83-32-9	ACENAPHTHENE	460	U
51-28-5	2,4-DINITROPHENOL	2200	U
100-02-7	4-NITROPHENOL	2200	U
132-64-9	DIBENZOFURAN	460	U
121-14-2	2,4-DINITROTOLUENE	460	U
84-66-2	DIETHYLPHTHALATE	460	U
7005-72-3	4-CHLOROPHENYL-PHENYLETHER	460	U
86-73-7	FLUORENE	460	U
100-10-6	4-NITROANILINE	2200	U
534-52-1	4,6-DINITRO-2-METHYLPHENOL	2200	U
86-30-6	N-NITROSODIPHENYLAMINE (1)	460	U
101-55-3	4-BROMOPHENYL-PHENYLETHER	460	U
118-74-1	HEXACHLOROBENZENE	460	U
87-86-5	PENTACHLOROPHENOL	2200	U
85-01-8	PHENANTHRENE	460	U
120-12-7	ANTHRACENE	460	U
84-74-2	DI-N-BUTYLPHTHALATE	460	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TCCSD15E0002

Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG7

Matrix: (soil/water) SOIL Lab Sample ID: P189030

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP03039206

Level: (low/med) LOW Date Received: 02/05/92

% Moisture: not dec. 28 dec. ____ Date Extracted: 02/10/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/03/92

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
206-44-0	FLUORANTHENE	460	U
129-00-0	PYRENE	460	U
85-68-7	BUTYLBENZYLPHTHALATE	460	U
91-94-1	3,3'-DICHLOROBENZIDINE	920	U
56-55-3	BENZO(A)ANTHRACENE	460	U
218-01-9	CHRYSENE	460	U
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	460	U
117-84-0	DI-N-OCTYL PHTHALATE	460	U
205-99-2	BENZO(B)FLUORANTHENE	460	U
207-08-9	BENZO(K)FLUORANTHENE	460	U
50-32-8	BENZO(A)PYRENE	460	U
193-39-5	INDENO(1,2,3-CD)PYRENE	460	U
53-70-3	DIBENZO(A,H)ANTHRACENE	460	U
191-24-2	BENZO(G,H,I)PERYLENE	460	U
58-90-2	2,3,4,6-TETRACHLOROPHENOL	460	U
109-06-8	2-PICOLINE	930	U
62-50-0	METHANESULFONIC ACID, ETHYL E	930	U
100-75-4	N-NITROSOPIPERIDINE	930	U
87-65-0	2,6-DICHLOROPHENOL	460	U
924-16-3	NITROSO-DI-N-BUTYLAMINE	460	U
66-27-3	METHANESULFONIC ACID, METHYL	2400	U
98-86-2	ACETOPHENONE	460	U
122-09-8	A,A-DIMETHYLPHENETHYLAMINE	2400	U
608-93-5	PENTACHLOROBENZENE	460	U
92-67-1	4-AMINOBIPHENYL	460	U
60-11-7	P-DIMETHYLAMINOAZOBENZENE	460	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TCCSD15E0002

Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG7

Matrix: (soil/water) SOIL Lab Sample ID: P189030

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP03039206

Level: (low/med) LOW Date Received: 02/05/92

% Moisture: not dec. 28 dec. ____ Date Extracted: 02/10/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/03/92

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
206-44-0	FLUORANTHENE	460	U
129-00-0	PYRENE	460	U
85-68-7	BUTYLBENZYLPHTHALATE	460	U
91-94-1	3,3'-DICHLOROBENZIDINE	920	U
56-55-3	BENZO(A)ANTHRACENE	460	U
218-01-9	CHRYSENE	460	U
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	460	U
117-84-0	DI-N-OCTYL PHTHALATE	460	U
205-99-2	BENZO(B)FLUORANTHENE	460	U
207-08-9	BENZO(K)FLUORANTHENE	460	U
50-32-8	BENZO(A)PYRENE	460	U
193-39-5	INDENO(1,2,3-CD)PYRENE	460	U
53-70-3	DIBENZO(A,H)ANTHRACENE	460	U
191-24-2	BENZO(G,H,I)PERYLENE	460	U
58-90-2	2,3,4,6-TETRACHLOROPHENOL	460	U
109-06-8	2-PICOLINE	930	U
62-50-0	METHANESULFONIC ACID, ETHYL E	930	U
100-75-4	N-NITROSOPIPERIDINE	930	U
87-65-0	2,6-DICHLOROPHENOL	460	U
924-16-3	NITROSO-DI-N-BUTYLAMINE	460	U
66-27-3	METHANESULFONIC ACID, METHYL	2400	U
98-86-2	ACETOPHENONE	460	U
122-09-8	A,A-DIMETHYLPHENETHYLAMINE	2400	U
608-93-5	PENTACHLOROBENZENE	460	U
92-67-1	4-AMINOBIPHENYL	460	U
60-11-7	P-DIMETHYLAMINOAZOBENZENE	460	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TCCSD15E000

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG7

Matrix: (soil/water) SOIL Lab Sample ID: P189030

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP03039206

Level: (low/med) LOW Date Received: 02/05/92

% Moisture: not dec. 28 dec. ____ Date Extracted: 02/10/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/03/92

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
57-97-6	7,12-DIMETHYLBENZ(A)ANTHRACEN	460	U
95-94-3	1,2,4,5-TETRACHLOROBENZENE	460	U
122-39-4	DIPHENYLAMINE	460	U
62-44-2	PHENACETIN	460	U
56-49-5	3-METHYLCHOLANTHRENE	460	U
23950-58-5	PRONAMIDE	460	U
91-59-8	2-NAPHTHALENEAMINE	460	U
106-50-3	P-PHENYLENEDIAMINE	2400	U
120-58-1	ISOSAFROLE	460	UJ
99-55-8	5-NITRO-O-TOLUIDINE	930	U
56-57-5	4-NITROQUINOLINE 1-OXIDE	~~2400~~	~~U~~ R
91-80-5	METHYAPYRILENE	460	U
781-73-7	2-ACETYLAMINOFLUORENE	460	U
10595-95-6	N-NITROSOMETHYLETHYLAMINE	460	U
55-18-5	N-NITROSODIETHYLAMINE	460	U
930-55-2	N-NITROSOPYRROLIDINE	930	U
59-89-2	N-NITROSOMORPHOLINE	460	U
95-53-4	O-TOLUIDINE	460	U
1981-0-0	0,0,0-TRIETHYLPHOSPHOROTHIOAT	2400	U
94-59-7	SAFROLE	460	U
130-15-4	1,4-NAPHTHOQUINONE	~~460~~ 800	~~UJ~~
99-35-4	SYM-TRINITROBENZENE	2400	U
1888-71-7	HEXACHLOROPROPENE	~~460~~	~~UJ~~ R
99-65-0	M-DINITROBENZENE	2400	UJ
612-82-8	3,3'-DIMETHYLBENZIDINE	~~0~~	~~U~~ R
70-30-4	HEXACHLOROPHENE	4600	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TCCSD15E000

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG7

Matrix: (soil/water) SOIL Lab Sample ID: P189030

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP03039206

Level: (low/med) LOW Date Received: 02/05/92

% Moisture: not dec. 28 dec. ____ Date Extracted: 02/10/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/03/92

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
57-97-6	7,12-DIMETHYLBENZ(A)ANTHRACEN	460	U
95-94-3	1,2,4,5-TETRACHLOROBENZENE	460	U
122-39-4	DIPHENYLAMINE	460	U
62-44-2	PHENACETIN	460	U
56-49-5	3-METHYLCHOLANTHRENE	460	U
23950-58-5	PRONAMIDE	460	U
91-59-8	2-NAPHTHALENEAMINE	460	U
106-50-3	P-PHENYLENEDIAMINE	2400	U
120-58-1	ISOSAFROLE	460	UJ
99-55-8	5-NITRO-O-TOLUIDINE	930	U
56-57-5	4-NITROQUINOLINE 1-OXIDE	~~2400~~	~~U~~ R
91-80-5	METHYAPYRILENE	460	U
781-73-7	2-ACETYLAMINOFLUORENE	460	U
10595-95-6	N-NITROSOMETHYLETHYLAMINE	460	U
55-18-5	N-NITROSODIETHYLAMINE	460	U
930-55-2	N-NITROSOPYRROLIDINE	930	U
59-89-2	N-NITROSOMORPHOLINE	460	U
95-53-4	O-TOLUIDINE	460	U
1981-0-0	0,0,0-TRIETHYLPHOSPHOROTHIOAT	2400	U
94-59-7	SAFROLE	460	U
130-15-4	1,4-NAPHTHOQUINONE	~~460~~ 810	~~UJ~~
99-35-4	SYM-TRINITROBENZENE	2400	U
1888-71-7	HEXACHLOROPROPENE	~~460~~	~~UJ~~ R
99-65-0	M-DINITROBENZENE	2400	UJ
612-82-8	3,3'-DIMETHYLBENZIDINE	~~0~~	~~U~~ R
70-30-4	HEXACHLOROPHENE	4600	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TCCSD15E0002

b Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG7

Matrix: (soil/water) SOIL Lab Sample ID: P189030

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP03039206

Level: (low/med) LOW Date Received: 02/05/92

% Moisture: not dec. 28 dec. ____ Date Extracted: 02/10/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/03/92

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
60-51-5	DIMETHOATE	460	U
2303-16-4	DIALLATE	460	U
110-86-1	PYRIDINE	460	UJ
140-57-8	ARAMITE	2400	U
88-85-7	2-SEC-BUTYL-4,6-DINITROPHENOL	460	U
108-39-4	M-CRESOL	460	UJ
82-68-8	PENTACHLORONITROBENZENE	2400	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TCCSD15E0002

b Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG7

Matrix: (soil/water) SOIL Lab Sample ID: P189030

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP03039206

Level: (low/med) LOW Date Received: 02/05/92

% Moisture: not dec. 28 dec. ____ Date Extracted: 02/10/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/03/92

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
60-51-5	DIMETHOATE	460	U
2303-16-4	DIALLATE	460	U
110-86-1	PYRIDINE	460	UJ
140-57-8	ARAMITE	2400	U
88-85-7	2-SEC-BUTYL-4,6-DINITROPHENOL	460	U
108-39-4	M-CRESOL	460	UJ
82-68-8	PENTACHLORONITROBENZENE	2400	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TECSD22E00

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG7

Matrix: (soil/water) SOIL Lab Sample ID: P189218

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP03059205

Level: (low/med) LOW Date Received: 02/08/92

% Moisture: not dec. 25 dec. ____ Date Extracted: 02/12/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/05/92

GPC Cleanup: (Y/N) N pH: 7.7 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
62-75-9	N-NITROSODIMETHYLAMINE	440	U
108-95-2	PHENOL	440	U
62-53-3	ANILINE	440	U
111-44-4	BIS(2-CHLOROETHYL)ETHER	440	U
95-57-8	2-CHLOROPHENOL	440	U
541-73-1	1,3-DICHLOROBENZENE	440	U
106-46-7	1,4-DICHLOROBENZENE	440	U
100-51-6	BENZYL ALCOHOL	440	U
95-50-1	1,2-DICHLOROBENZENE	440	U
95-48-7	2-METHYLPHENOL	440	U
39638-32-9	BIS(2-CHLOROISOPROPYL)ETHER	440	U
106-44-5	4-METHYLPHENOL	440	U
621-64-7	N-NITROSO-DI-N-PROPYLAMINE	440	U
67-72-1	HEXACHLOROETHANE	440	U
98-95-3	NITROBENZENE	440	U
78-59-1	ISOPHORONE	440	U
88-75-5	2-NITROPHENOL	440	U
105-67-9	2,4-DIMETHYLPHENOL	440	U
111-91-1	BIS(2-CHLOROETHOXY)METHANE	440	U
120-83-2	2,4-DICHLOROPHENOL	440	U
120-82-1	1,2,4-TRICHLOROBENZENE	440	U
91-20-3	NAPHTHALENE	440	U
106-47-8	4-CHLOROANILINE	440	U
87-68-3	HEXACHLOROBUTADIENE	440	U
59-50-7	4-CHLORO-3-METHYLPHENOL	440	U
91-57-6	2-METHYLNAPHTHALENE	440	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TECSD22E00

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG7

Matrix: (soil/water) SOIL Lab Sample ID: P189218

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP03059205

Level: (low/med) LOW Date Received: 02/08/92

% Moisture: not dec. 25 dec. ____ Date Extracted: 02/12/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/05/92

GPC Cleanup: (Y/N) N pH: 7.7 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
62-75-9	N-NITROSODIMETHYLAMINE	440	U
108-95-2	PHENOL	440	U
62-53-3	ANILINE	440	U
111-44-4	BIS(2-CHLOROETHYL)ETHER	440	U
95-57-8	2-CHLOROPHENOL	440	U
541-73-1	1,3-DICHLOROBENZENE	440	U
106-46-7	1,4-DICHLOROBENZENE	440	U
100-51-6	BENZYL ALCOHOL	440	U
95-50-1	1,2-DICHLOROBENZENE	440	U
95-48-7	2-METHYLPHENOL	440	U
39638-32-9	BIS(2-CHLOROISOPROPYL)ETHER	440	U
106-44-5	4-METHYLPHENOL	440	U
621-64-7	N-NITROSO-DI-N-PROPYLAMINE	440	U
67-72-1	HEXACHLOROETHANE	440	U
98-95-3	NITROBENZENE	440	U
78-59-1	ISOPHORONE	440	U
88-75-5	2-NITROPHENOL	440	U
105-67-9	2,4-DIMETHYLPHENOL	440	U
111-91-1	BIS(2-CHLOROETHOXY)METHANE	440	U
120-83-2	2,4-DICHLOROPHENOL	440	U
120-82-1	1,2,4-TRICHLOROBENZENE	440	U
91-20-3	NAPHTHALENE	440	U
106-47-8	4-CHLOROANILINE	440	U
87-68-3	HEXACHLOROBUTADIENE	440	U
59-50-7	4-CHLORO-3-METHYLPHENOL	440	U
91-57-6	2-METHYLNAPHTHALENE	440	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TECSD22E0002

Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG7

Matrix: (soil/water) SOIL Lab Sample ID: P189218

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP03059205

Level: (low/med) LOW Date Received: 02/08/92

% Moisture: not dec. 25 dec. ____ Date Extracted: 02/12/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/05/92

GPC Cleanup: (Y/N) N pH: 7.7 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
77-47-4	HEXACHLOROCYCLOPENTADIENE	440	U
88-06-2	2,4,6-TRICHLOROPHENOL	440	U
95-95-4	2,4,5-TRICHLOROPHENOL	2100	U
91-58-7	2-CHLORONAPHTHALENE	440	U
88-74-4	2-NITROANILINE	2100	U
131-11-3	DIMETHYLPHTHALATE	440	U
208-96-8	ACENAPHTHYLENE	440	U
606-20-2	2,6-DINITRITOLUENE	440	U
99-09-2	3-NITROANILINE	2100	U
83-32-9	ACENAPHTHENE	440	U
51-28-5	2,4-DINITROPHENOL	2100	U
100-02-7	4-NITROPHENOL	2100	U
132-64-9	DIBENZOFURAN	440	U
121-14-2	2,4-DINITROTOLUENE	440	U
84-66-2	DIETHYLPHTHALATE	440	U
7005-72-3	4-CHLOROPHENYL-PHENYLETHER	440	U
86-73-7	FLUORENE	440	U
100-10-6	4-NITROANILINE	2100	U
534-52-1	4,6-DINITRO-2-METHYLPHENOL	2100	U
86-30-6	N-NITROSODIPHENYLAMINE (1)	440	U
101-55-3	4-BROMOPHENYL-PHENYLETHER	440	U
118-74-1	HEXACHLOROBENZENE	440	U
87-86-5	PENTACHLOROPHENOL	2100	U
85-01-8	PHENANTHRENE	440	U
120-12-7	ANTHRACENE	440	U
84-74-2	DI-N-BUTYLPHTHALATE	440	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TECSD22E0002

Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG7

Matrix: (soil/water) SOIL Lab Sample ID: P189218

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP03059205

Level: (low/med) LOW Date Received: 02/08/92

% Moisture: not dec. 25 dec. ____ Date Extracted: 02/12/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/05/92

GPC Cleanup: (Y/N) N pH: 7.7 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
77-47-4	HEXACHLOROCYCLOPENTADIENE	440	U
88-06-2	2,4,6-TRICHLOROPHENOL	440	U
95-95-4	2,4,5-TRICHLOROPHENOL	2100	U
91-58-7	2-CHLORONAPHTHALENE	440	U
88-74-4	2-NITROANILINE	2100	U
131-11-3	DIMETHYLPHTHALATE	440	U
208-96-8	ACENAPHTHYLENE	440	U
606-20-2	2,6-DINITRITOLUENE	440	U
99-09-2	3-NITROANILINE	2100	U
83-32-9	ACENAPHTHENE	440	U
51-28-5	2,4-DINITROPHENOL	2100	U
100-02-7	4-NITROPHENOL	2100	U
132-64-9	DIBENZOFURAN	440	U
121-14-2	2,4-DINITROTOLUENE	440	U
84-66-2	DIETHYLPHTHALATE	440	U
7005-72-3	4-CHLOROPHENYL-PHENYLETHER	440	U
86-73-7	FLUORENE	440	U
100-10-6	4-NITROANILINE	2100	U
534-52-1	4,6-DINITRO-2-METHYLPHENOL	2100	U
86-30-6	N-NITROSODIPHENYLAMINE (1)	440	U
101-55-3	4-BROMOPHENYL-PHENYLETHER	440	U
118-74-1	HEXACHLOROBENZENE	440	U
87-86-5	PENTACHLOROPHENOL	2100	U
85-01-8	PHENANTHRENE	440	U
120-12-7	ANTHRACENE	440	U
84-74-2	DI-N-BUTYLPHTHALATE	440	U

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1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TECSD22E000?

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG7

Matrix: (soil/water) SOIL Lab Sample ID: P189218

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP03059205

Level: (low/med) LOW Date Received: 02/08/92

% Moisture: not dec. 25 dec. ____ Date Extracted: 02/12/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/05/92

GPC Cleanup: (Y/N) N pH: 7.7 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
206-44-0	FLUORANTHENE	440	U
129-00-0	PYRENE	440	U
85-68-7	BUTYLBENZYLPHTHALATE	440	U
91-94-1	3,3'-DICHLOROBENZIDINE	880	U
56-55-3	BENZO(A)ANTHRACENE	440	U
218-01-9	CHRYSENE	440	U
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	440	U
117-84-0	DI-N-OCTYL PHTHALATE	440	U
205-99-2	BENZO(B)FLUORANTHENE	440	U
207-08-9	BENZO(K)FLUORANTHENE	440	U
50-32-8	BENZO(A)PYRENE	440	U
193-39-5	INDENO(1,2,3-CD)PYRENE	440	U
53-70-3	DIBENZO(A,H)ANTHRACENE	440	U
191-24-2	BENZO(G,H,I)PERYLENE	440	U
58-90-2	2,3,4,6-TETRACHLOROPHENOL	440	U
109-06-8	2-PICOLINE	890	U
62-50-0	METHANESULFONIC ACID, ETHYL E	890	U
100-75-4	N-NITROSOPIPERIDINE	890	U
87-65-0	2,6-DICHLOROPHENOL	440	U
924-16-3	NITROSO-DI-N-BUTYLAMINE	440	U
66-27-3	METHANESULFONIC ACID, METHYL	2300	U
98-86-2	ACETOPHENONE	440	U
122-09-8	A,A-DIMETHYLPHENETHYLAMINE	2300	U
608-93-5	PENTACHLOROBENZENE	440	U
92-67-1	4-AMINOBIPHENYL	440	U
60-11-7	P-DIMETHYLAMINOAZOBENZENE	440	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TECSD22E0002

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG7

Matrix: (soil/water) SOIL Lab Sample ID: P189218

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP03059205

Level: (low/med) LOW Date Received: 02/08/92

% Moisture: not dec. 25 dec. ____ Date Extracted: 02/12/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/05/92

GPC Cleanup: (Y/N) N pH: 7.7 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
206-44-0	FLUORANTHENE	440	U
129-00-0	PYRENE	440	U
85-68-7	BUTYLBENZYLPHTHALATE	440	U
91-94-1	3,3'-DICHLOROBENZIDINE	880	U
56-55-3	BENZO(A)ANTHRACENE	440	U
218-01-9	CHRYSENE	440	U
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	440	U
117-84-0	DI-N-OCTYL PHTHALATE	440	U
205-99-2	BENZO(B)FLUORANTHENE	440	U
207-08-9	BENZO(K)FLUORANTHENE	440	U
50-32-8	BENZO(A)PYRENE	440	U
193-39-5	INDENO(1,2,3-CD)PYRENE	440	U
53-70-3	DIBENZO(A,H)ANTHRACENE	440	U
191-24-2	BENZO(G,H,I)PERYLENE	440	U
58-90-2	2,3,4,6-TETRACHLOROPHENOL	440	U
109-06-8	2-PICOLINE	890	U
62-50-0	METHANESULFONIC ACID, ETHYL E	890	U
100-75-4	N-NITROSOPIPERIDINE	890	U
87-65-0	2,6-DICHLOROPHENOL	440	U
924-16-3	NITROSO-DI-N-BUTYLAMINE	440	U
66-27-3	METHANESULFONIC ACID, METHYL	2300	U
98-86-2	ACETOPHENONE	440	U
122-09-8	A,A-DIMETHYLPHENETHYLAMINE	2300	U
608-93-5	PENTACHLOROBENZENE	440	U
92-67-1	4-AMINOBIPHENYL	440	U
60-11-7	P-DIMETHYLAMINOAZOBENZENE	440	U

SAMPLE NO.

1X
ORGANICS ANALYSIS DATA SHEET

TECSD22E0002

Contract: _____

NUS-LSG

SAS No.: _____ SDG No.: PKG7

de: HNUS Case No.: TNK

Lab Sample ID: P189218

:: (soil/water) SOIL

Lab File ID: ABP03059205

e wt/vol: 30.0 (g/mL) G

Date Received: 02/08/92

: (low/med) LOW

Date Extracted: 02/12/92

sture: not dec. 25 dec. ____

Date Analyzed: 03/05/92

ction: (SepF/Cont/Sonc) SONC

Dilution Factor: 1.00

leanup: (Y/N) N pH: 7.7

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND		Q
57-97-6	7,12-DIMETHYLBENZ(A)ANTHRACEN	440	U
95-94-3	1,2,4,5-TETRACHLOROBENZENE	440	U
122-39-4	DIPHENYLAMINE	440	U
62-44-2	PHENACETIN	440	U
56-49-5	3-METHYLCHOLANTHRENE	440	U
23950-58-5	PRONAMIDE	440	U
91-59-8	2-NAPHTHALENEAMINE	2300	U
106-50-3	P-PHENYLENEDIAMINE	440	U
120-58-1	ISOSAFROLE	890	U
99-55-8	5-NITRO-O-TOLUIDINE	~~2300~~	~~U~~ R
56-57-5	4-NITROQUINOLINE 1-OXIDE	440	U
91-80-5	METHYAPYRILENE	440	U
781-73-7	2-ACETYLAMINOFLUORENE	440	U
10595-95-6	N-NITROSOMETHYLETHYLAMINE	440	U
55-18-5	N-NITROSODIETHYLAMINE	890	U
930-55-2	N-NITROSOPYRROLIDINE	440	U
59-89-2	N-NITROSOMORPHOLINE	440	U
95-53-4	O-TOLUIDINE	2300	U
1981-0-0	0,0,0-TRIETHYLPHOSPHOROTHIOAT	440	U
94-59-7	SAFROLE	440	UJ
130-15-4	1,4-NAPHTHOQUINONE	2300	UJ
99-35-4	SYM-TRINITROBENZENE	~~440~~	~~U~~ R
1888-71-7	HEXACHLOROPROPENE	2300	U
99-65-0	M-DINITROBENZENE	~~0~~	~~U~~ R
612-82-8	3,3'-DIMETHYLBENZIDINE	4400	U
70-30-4	HEXACHLOROPHENE		

000108

SAMPLE NO.

1X
ORGANICS ANALYSIS DATA SHEET

TECSD22E0002

Contract: _____

NUS-LSG

SAS No.: _____ SDG No.: PKG7

de: HNUS Case No.: TNK

Lab Sample ID: P189218

: (soil/water) SOIL

Lab File ID: ABP03059205

e wt/vol: 30.0 (g/mL) G

Date Received: 02/08/92

: (low/med) LOW

Date Extracted: 02/12/92

sture: not dec. 25 dec. ____

Date Analyzed: 03/05/92

ction: (SepF/Cont/Sonc) SONC

Dilution Factor: 1.00

leanup: (Y/N) N pH: 7.7

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND		Q
57-97-6	7,12-DIMETHYLBENZ(A)ANTHRACEN	440	U
95-94-3	1,2,4,5-TETRACHLOROBENZENE	440	U
122-39-4	DIPHENYLAMINE	440	U
62-44-2	PHENACETIN	440	U
56-49-5	3-METHYLCHOLANTHRENE	440	U
23950-58-5	PRONAMIDE	440	U
91-59-8	2-NAPHTHALENEAMINE	2300	U
106-50-3	P-PHENYLENEDIAMINE	440	U
120-58-1	ISOSAFROLE	890	U
99-55-8	5-NITRO-O-TOLUIDINE	~~2300~~	~~U~~ R
56-57-5	4-NITROQUINOLINE 1-OXIDE	440	U
91-80-5	METHYAPYRILENE	440	U
781-73-7	2-ACETYLAMINOFLUORENE	440	U
10595-95-6	N-NITROSOMETHYLETHYLAMINE	440	U
55-18-5	N-NITROSODIETHYLAMINE	890	U
930-55-2	N-NITROSOPYRROLIDINE	440	U
59-89-2	N-NITROSOMORPHOLINE	440	U
95-53-4	O-TOLUIDINE	2300	U
1981-0-0	0,0,0-TRIETHYLPHOSPHOROTHIOAT	440	U
94-59-7	SAFROLE	440	UJ
130-15-4	1,4-NAPHTHOQUINONE	2300	UJ
99-35-4	SYM-TRINITROBENZENE	~~440~~	~~U~~ R
1888-71-7	HEXACHLOROPROPENE	2300	U
99-65-0	M-DINITROBENZENE	~~0~~	~~U~~ R
612-82-8	3,3'-DIMETHYLBENZIDINE	4400	U
70-30-4	HEXACHLOROPHENE		

000108

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TECSD22E0002

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG7

Matrix: (soil/water) SOIL Lab Sample ID: P189218

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP03059205

Level: (low/med) LOW Date Received: 02/08/92

% Moisture: not dec. 25 dec. ____ Date Extracted: 02/12/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/05/92

GPC Cleanup: (Y/N) N pH: 7.7 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
60-51-5	DIMETHOATE	440	U
2303-16-4	DIALLATE	440	U
110-86-1	PYRIDINE	440	U
140-57-8	ARAMITE	2300	U
88-85-7	2-SEC-BUTYL-4,6-DINITROPHENOL	440	U
108-39-4	M-CRESOL	440	U
82-68-8	PENTACHLORONITROBENZENE	2300	U

000109

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TECSD22E0002

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG7

Matrix: (soil/water) SOIL Lab Sample ID: P189218

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP03059205

Level: (low/med) LOW Date Received: 02/08/92

% Moisture: not dec. 25 dec. ____ Date Extracted: 02/12/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/05/92

GPC Cleanup: (Y/N) N pH: 7.7 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
60-51-5	DIMETHOATE	440	U
2303-16-4	DIALLATE	440	U
110-86-1	PYRIDINE	440	U
140-57-8	ARAMITE	2300	U
88-85-7	2-SEC-BUTYL-4,6-DINITROPHENOL	440	U
108-39-4	M-CRESOL	440	U
82-68-8	PENTACHLORONITROBENZENE	2300	U

000109

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TECSD24E0002

ab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG7

Matrix: (soil/water) SOIL Lab Sample ID: P189225

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP03079205

Level: (low/med) LOW Date Received: 02/08/92

% Moisture: not dec. 35 dec. ____ Date Extracted: 02/12/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/07/92

GPC Cleanup: (Y/N) N pH: 7.3 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
62-75-9	N-NITROSODIMETHYLAMINE	510	U
108-95-2	PHENOL	510	U
62-53-3	ANILINE	510	U
111-44-4	BIS(2-CHLOROETHYL)ETHER	510	U
95-57-8	2-CHLOROPHENOL	510	U
541-73-1	1,3-DICHLOROBENZENE	510	U
106-46-7	1,4-DICHLOROBENZENE	510	U
100-51-6	BENZYL ALCOHOL	510	U
95-50-1	1,2-DICHLOROBENZENE	510	U
95-48-7	2-METHYLPHENOL	510	U
39638-32-9	BIS(2-CHLOROISOPROPYL)ETHER	510	U
106-44-5	4-METHYLPHENOL	510	U
621-64-7	N-NITROSO-DI-N-PROPYLAMINE	510	U
67-72-1	HEXACHLOROETHANE	510	U
98-95-3	NITROBENZENE	510	U
78-59-1	ISOPHORONE	510	U
88-75-5	2-NITROPHENOL	510	U
105-67-9	2,4-DIMETHYLPHENOL	510	U
111-91-1	BIS(2-CHLOROETHOXY)METHANE	510	U
120-83-2	2,4-DICHLOROPHENOL	510	U
120-82-1	1,2,4-TRICHLOROBENZENE	510	U
91-20-3	NAPHTHALENE	510	U
106-47-8	4-CHLOROANILINE	510	U
87-68-3	HEXACHLOROBUTADIENE	510	U
59-50-7	4-CHLORO-3-METHYLPHENOL	510	U
91-57-6	2-METHYLNAPHTHALENE	510	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TECSD24E0002

ab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG7

Matrix: (soil/water) SOIL Lab Sample ID: P189225

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP03079205

Level: (low/med) LOW Date Received: 02/08/92

% Moisture: not dec. 35 dec. ____ Date Extracted: 02/12/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/07/92

GPC Cleanup: (Y/N) N pH: 7.3 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
62-75-9	N-NITROSODIMETHYLAMINE	510	U
108-95-2	PHENOL	510	U
62-53-3	ANILINE	510	U
111-44-4	BIS(2-CHLOROETHYL)ETHER	510	U
95-57-8	2-CHLOROPHENOL	510	U
541-73-1	1,3-DICHLOROBENZENE	510	U
106-46-7	1,4-DICHLOROBENZENE	510	U
100-51-6	BENZYL ALCOHOL	510	U
95-50-1	1,2-DICHLOROBENZENE	510	U
95-48-7	2-METHYLPHENOL	510	U
39638-32-9	BIS(2-CHLOROISOPROPYL)ETHER	510	U
106-44-5	4-METHYLPHENOL	510	U
621-64-7	N-NITROSO-DI-N-PROPYLAMINE	510	U
67-72-1	HEXACHLOROETHANE	510	U
98-95-3	NITROBENZENE	510	U
78-59-1	ISOPHORONE	510	U
88-75-5	2-NITROPHENOL	510	U
105-67-9	2,4-DIMETHYLPHENOL	510	U
111-91-1	BIS(2-CHLOROETHOXY)METHANE	510	U
120-83-2	2,4-DICHLOROPHENOL	510	U
120-82-1	1,2,4-TRICHLOROBENZENE	510	U
91-20-3	NAPHTHALENE	510	U
106-47-8	4-CHLOROANILINE	510	U
87-68-3	HEXACHLOROBUTADIENE	510	U
59-50-7	4-CHLORO-3-METHYLPHENOL	510	U
91-57-6	2-METHYLNAPHTHALENE	510	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TECSD24E0002

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG7

Matrix: (soil/water) SOIL Lab Sample ID: P189225

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP03079205

Level: (low/med) LOW Date Received: 02/08/92

% Moisture: not dec. 35 dec. ____ Date Extracted: 02/12/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/07/92

GPC Cleanup: (Y/N) N pH: 7.3 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
77-47-4	HEXACHLOROCYCLOPENTADIENE	510	U
88-06-2	2,4,6-TRICHLOROPHENOL	510	U
95-95-4	2,4,5-TRICHLOROPHENOL	2500	U
91-58-7	2-CHLORONAPHTHALENE	510	U
88-74-4	2-NITROANILINE	2500	U
131-11-3	DIMETHYLPHTHALATE	510	U
208-96-8	ACENAPHTHYLENE	510	U
606-20-2	2,6-DINITRITOLUENE	510	U
99-09-2	3-NITROANILINE	2500	U
83-32-9	ACENAPHTHENE	510	U
51-28-5	2,4-DINITROPHENOL	2500	U
100-02-7	4-NITROPHENOL	2500	U
132-64-9	DIBENZOFURAN	510	U
121-14-2	2,4-DINITROTOLUENE	510	U
84-66-2	DIETHYLPHTHALATE	510	U
7005-72-3	4-CHLOROPHENYL-PHENYLETHER	510	U
86-73-7	FLUORENE	510	U
100-10-6	4-NITROANILINE	2500	U
534-52-1	4,6-DINITRO-2-METHYLPHENOL	2500	U
86-30-6	N-NITROSODIPHENYLAMINE (1)	510	U
101-55-3	4-BROMOPHENYL-PHENYLETHER	510	U
118-74-1	HEXACHLOROBENZENE	510	U
87-86-5	PENTACHLOROPHENOL	2500	U
85-01-8	PHENANTHRENE	510	U
120-12-7	ANTHRACENE	510	U
84-74-2	DI-N-BUTYLPHTHALATE	510	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TECSD24E0002

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG7

Matrix: (soil/water) SOIL Lab Sample ID: P189225

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP03079205

Level: (low/med) LOW Date Received: 02/08/92

% Moisture: not dec. 35 dec. ____ Date Extracted: 02/12/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/07/92

GPC Cleanup: (Y/N) N pH: 7.3 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
77-47-4	HEXACHLOROCYCLOPENTADIENE	510	U
88-06-2	2,4,6-TRICHLOROPHENOL	510	U
95-95-4	2,4,5-TRICHLOROPHENOL	2500	U
91-58-7	2-CHLORONAPHTHALENE	510	U
88-74-4	2-NITROANILINE	2500	U
131-11-3	DIMETHYLPHTHALATE	510	U
208-96-8	ACENAPHTHYLENE	510	U
606-20-2	2,6-DINITRITOLUENE	510	U
99-09-2	3-NITROANILINE	2500	U
83-32-9	ACENAPHTHENE	510	U
51-28-5	2,4-DINITROPHENOL	2500	U
100-02-7	4-NITROPHENOL	2500	U
132-64-9	DIBENZOFURAN	510	U
121-14-2	2,4-DINITROTOLUENE	510	U
84-66-2	DIETHYLPHTHALATE	510	U
7005-72-3	4-CHLOROPHENYL-PHENYLETHER	510	U
86-73-7	FLUORENE	510	U
100-10-6	4-NITROANILINE	2500	U
534-52-1	4,6-DINITRO-2-METHYLPHENOL	2500	U
86-30-6	N-NITROSODIPHENYLAMINE (1)	510	U
101-55-3	4-BROMOPHENYL-PHENYLETHER	510	U
118-74-1	HEXACHLOROBENZENE	510	U
87-86-5	PENTACHLOROPHENOL	2500	U
85-01-8	PHENANTHRENE	510	U
120-12-7	ANTHRACENE	510	U
84-74-2	DI-N-BUTYLPHTHALATE	510	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TECSD24E0002

ab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG7

Matrix: (soil/water) SOIL Lab Sample ID: P189225

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP03079205

Level: (low/med) LOW Date Received: 02/08/92

% Moisture: not dec. 35 dec. ____ Date Extracted: 02/12/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/07/92

GPC Cleanup: (Y/N) N pH: 7.3 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
206-44-0	FLUORANTHENE	510	U
129-00-0	PYRENE	510	U
85-68-7	BUTYLBENZYLPHTHALATE	510	U
91-94-1	3,3'-DICHLOROBENZIDINE	1000	U
56-55-3	BENZO(A)ANTHRACENE	510	U
218-01-9	CHRYSENE	510	U
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	510	U
117-84-0	DI-N-OCTYL PHTHALATE	510	U
205-99-2	BENZO(B)FLUORANTHENE	510	U
207-08-9	BENZO(K)FLUORANTHENE	510	U
50-32-8	BENZO(A)PYRENE	510	U
193-39-5	INDENO(1,2,3-CD)PYRENE	510	U
53-70-3	DIBENZO(A,H)ANTHRACENE	510	U
191-24-2	BENZO(G,H,I)PERYLENE	510	U
58-90-2	2,3,4,6-TETRACHLOROPHENOL	510	U
109-06-8	2-PICOLINE	1000	U
62-50-0	METHANESULFONIC ACID, ETHYL E	1000	U
100-75-4	N-NITROSOPIPERIDINE	1000	U
87-65-0	2,6-DICHLOROPHENOL	510	U
924-16-3	NITROSO-DI-N-BUTYLAMINE	510	U
66-27-3	METHANESULFONIC ACID, METHYL	2600	U
98-86-2	ACETOPHENONE	510	U
122-09-8	A,A-DIMETHYLPHENETHYLAMINE	2600	U
608-93-5	PENTACHLOROBENZENE	510	U
92-67-1	4-AMINOBIPHENYL	510	U
60-11-7	P-DIMETHYLAMINOAZOBENZENE	510	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TECSD24E0002

ab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG7

Matrix: (soil/water) SOIL Lab Sample ID: P189225

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP03079205

Level: (low/med) LOW Date Received: 02/08/92

% Moisture: not dec. 35 dec. ____ Date Extracted: 02/12/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/07/92

GPC Cleanup: (Y/N) N pH: 7.3 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
206-44-0	FLUORANTHENE	510	U
129-00-0	PYRENE	510	U
85-68-7	BUTYLBENZYLPHTHALATE	510	U
91-94-1	3,3'-DICHLOROBENZIDINE	1000	U
56-55-3	BENZO(A)ANTHRACENE	510	U
218-01-9	CHRYSENE	510	U
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	510	U
117-84-0	DI-N-OCTYL PHTHALATE	510	U
205-99-2	BENZO(B)FLUORANTHENE	510	U
207-08-9	BENZO(K)FLUORANTHENE	510	U
50-32-8	BENZO(A)PYRENE	510	U
193-39-5	INDENO(1,2,3-CD)PYRENE	510	U
53-70-3	DIBENZO(A,H)ANTHRACENE	510	U
191-24-2	BENZO(G,H,I)PERYLENE	510	U
58-90-2	2,3,4,6-TETRACHLOROPHENOL	510	U
109-06-8	2-PICOLINE	1000	U
62-50-0	METHANESULFONIC ACID, ETHYL E	1000	U
100-75-4	N-NITROSOPIPERIDINE	1000	U
87-65-0	2,6-DICHLOROPHENOL	510	U
924-16-3	NITROSO-DI-N-BUTYLAMINE	510	U
66-27-3	METHANESULFONIC ACID, METHYL	2600	U
98-86-2	ACETOPHENONE	510	U
122-09-8	A,A-DIMETHYLPHENETHYLAMINE	2600	U
608-93-5	PENTACHLOROBENZENE	510	U
92-67-1	4-AMINOBIPHENYL	510	U
60-11-7	P-DIMETHYLAMINOAZOBENZENE	510	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TECSD24E0002

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG7

Matrix: (soil/water) SOIL Lab Sample ID: P189225

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP03079205

Level: (low/med) LOW Date Received: 02/08/92

% Moisture: not dec. 35 dec. ____ Date Extracted: 02/12/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/07/92

GPC Cleanup: (Y/N) N pH: 7.3 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
57-97-6	7,12-DIMETHYLBENZ(A)ANTHRACEN	510	U
95-94-3	1,2,4,5-TETRACHLOROBENZENE	510	U
122-39-4	DIPHENYLAMINE	510	U
62-44-2	PHENACETIN	510	U
56-49-5	3-METHYLCHOLANTHRENE	510	U
23950-58-5	PRONAMIDE	510	U
91-59-8	2-NAPHTHALENEAMINE	510	U
106-50-3	P-PHENYLENEDIAMINE	2600	U
120-58-1	ISOSAFROLE	510	U
99-55-8	5-NITRO-O-TOLUIDINE	1000	U
56-57-5	4-NITROQUINOLINE 1-OXIDE	~~2600~~	~~U~~ R
91-80-5	METHYAPYRILENE	510	U
781-73-7	2-ACETYLAMINOFLUORENE	510	U
10595-95-6	N-NITROSOMETHYLETHYLAMINE	510	U
55-18-5	N-NITROSODIETHYLAMINE	510	U
930-55-2	N-NITROSOPYRROLIDINE	1000	U
59-89-2	N-NITROSOMORPHOLINE	510	U
95-53-4	O-TOLUIDINE	510	U
1981-0-0	0,0,0-TRIETHYLPHOSPHOROTHIOAT	2600	U
94-59-7	SAFROLE	510	U
130-15-4	1,4-NAPHTHOQUINONE	510	U
99-35-4	SYM-TRINITROBENZENE	2600	U
1888-71-7	HEXACHLOROPROPENE	~~510~~	~~U~~ R
99-65-0	M-DINITROBENZENE	2600	U
612-82-8	3,3'-DIMETHYLBENZIDINE	~~0~~	~~U~~ R
70-30-4	HEXACHLOROPHENE	5100	U

000128

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TECSD24E0002

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG7

Matrix: (soil/water) SOIL Lab Sample ID: P189225

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP03079205

Level: (low/med) LOW Date Received: 02/08/92

% Moisture: not dec. 35 dec. ____ Date Extracted: 02/12/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/07/92

GPC Cleanup: (Y/N) N pH: 7.3 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
57-97-6	7,12-DIMETHYLBENZ(A)ANTHRACEN	510	U
95-94-3	1,2,4,5-TETRACHLOROBENZENE	510	U
122-39-4	DIPHENYLAMINE	510	U
62-44-2	PHENACETIN	510	U
56-49-5	3-METHYLCHOLANTHRENE	510	U
23950-58-5	PRONAMIDE	510	U
91-59-8	2-NAPHTHALENEAMINE	510	U
106-50-3	P-PHENYLENEDIAMINE	2600	U
120-58-1	ISOSAFROLE	510	U
99-55-8	5-NITRO-O-TOLUIDINE	1000	U
56-57-5	4-NITROQUINOLINE 1-OXIDE	~~2600~~	~~U~~ R
91-80-5	METHYAPYRILENE	510	U
781-73-7	2-ACETYLAMINOFLUORENE	510	U
10595-95-6	N-NITROSOMETHYLETHYLAMINE	510	U
55-18-5	N-NITROSODIETHYLAMINE	510	U
930-55-2	N-NITROSOPYRROLIDINE	1000	U
59-89-2	N-NITROSOMORPHOLINE	510	U
95-53-4	O-TOLUIDINE	510	U
1981-0-0	0,0,0-TRIETHYLPHOSPHOROTHIOAT	2600	U
94-59-7	SAFROLE	510	U
130-15-4	1,4-NAPHTHOQUINONE	510	U
99-35-4	SYM-TRINITROBENZENE	2600	U
1888-71-7	HEXACHLOROPROPENE	~~510~~	~~U~~ R
99-65-0	M-DINITROBENZENE	2600	U
612-82-8	3,3'-DIMETHYLBENZIDINE	~~0~~	~~U~~ R
70-30-4	HEXACHLOROPHENE	5100	U

000128

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TECSD24E0002

.b Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG7

Matrix: (soil/water) SOIL Lab Sample ID: P189225

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP03079205

Level: (low/med) LOW Date Received: 02/08/92

% Moisture: not dec. 35 dec. ____ Date Extracted: 02/12/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/07/92

GPC Cleanup: (Y/N) N pH: 7.3 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
60-51-5	DIMETHOATE	510	U
2303-16-4	DIALLATE	510	U
110-86-1	PYRIDINE	510	U
140-57-8	ARAMITE	2600	U
88-85-7	2-SEC-BUTYL-4,6-DINITROPHENOL	510	U
108-39-4	M-CRESOL	510	U
82-68-8	PENTACHLORONITROBENZENE	2600	U

000129

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TECSD24E0002

.b Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG7

Matrix: (soil/water) SOIL Lab Sample ID: P189225

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP03079205

Level: (low/med) LOW Date Received: 02/08/92

% Moisture: not dec. 35 dec. ____ Date Extracted: 02/12/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/07/92

GPC Cleanup: (Y/N) N pH: 7.3 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
60-51-5	DIMETHOATE	510	U
2303-16-4	DIALLATE	510	U
110-86-1	PYRIDINE	510	U
140-57-8	ARAMITE	2600	U
88-85-7	2-SEC-BUTYL-4,6-DINITROPHENOL	510	U
108-39-4	M-CRESOL	510	U
82-68-8	PENTACHLORONITROBENZENE	2600	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TCCSDB1E0002

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG7

Matrix: (soil/water) SOIL Lab Sample ID: P189228

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP03079206

Level: (low/med) LOW Date Received: 02/08/92

% Moisture: not dec. 28 dec. ____ Date Extracted: 02/12/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/08/92

GPC Cleanup: (Y/N) N pH: 7.3 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
62-75-9	N-NITROSODIMETHYLAMINE	460	U
108-95-2	PHENOL	460	U
62-53-3	ANILINE	460	U
111-44-4	BIS(2-CHLOROETHYL)ETHER	460	U
95-57-8	2-CHLOROPHENOL	460	U
541-73-1	1,3-DICHLOROBENZENE	460	U
106-46-7	1,4-DICHLOROBENZENE	460	U
100-51-6	BENZYL ALCOHOL	460	U
95-50-1	1,2-DICHLOROBENZENE	460	U
95-48-7	2-METHYLPHENOL	460	U
39638-32-9	BIS(2-CHLOROISOPROPYL)ETHER	460	U
106-44-5	4-METHYLPHENOL	460	U
621-64-7	N-NITROSO-DI-N-PROPYLAMINE	460	U
67-72-1	HEXACHLOROETHANE	460	U
98-95-3	NITROBENZENE	460	U
78-59-1	ISOPHORONE	460	U
88-75-5	2-NITROPHENOL	460	U
105-67-9	2,4-DIMETHYLPHENOL	460	U
111-91-1	BIS(2-CHLOROETHOXY)METHANE	460	U
120-83-2	2,4-DICHLOROPHENOL	460	U
120-82-1	1,2,4-TRICHLOROBENZENE	460	U
91-20-3	NAPHTHALENE	460	U
106-47-8	4-CHLOROANILINE	460	U
87-68-3	HEXACHLOROBUTADIENE	460	U
59-50-7	4-CHLORO-3-METHYLPHENOL	460	U
91-57-6	2-METHYLNAPHTHALENE	460	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TCCSDB1E0002

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG7

Matrix: (soil/water) SOIL Lab Sample ID: P189228

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP03079206

Level: (low/med) LOW Date Received: 02/08/92

% Moisture: not dec. 28 dec. ____ Date Extracted: 02/12/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/08/92

GPC Cleanup: (Y/N) N pH: 7.3 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
62-75-9	N-NITROSODIMETHYLAMINE	460	U
108-95-2	PHENOL	460	U
62-53-3	ANILINE	460	U
111-44-4	BIS(2-CHLOROETHYL)ETHER	460	U
95-57-8	2-CHLOROPHENOL	460	U
541-73-1	1,3-DICHLOROBENZENE	460	U
106-46-7	1,4-DICHLOROBENZENE	460	U
100-51-6	BENZYL ALCOHOL	460	U
95-50-1	1,2-DICHLOROBENZENE	460	U
95-48-7	2-METHYLPHENOL	460	U
39638-32-9	BIS(2-CHLOROISOPROPYL)ETHER	460	U
106-44-5	4-METHYLPHENOL	460	U
621-64-7	N-NITROSO-DI-N-PROPYLAMINE	460	U
67-72-1	HEXACHLOROETHANE	460	U
98-95-3	NITROBENZENE	460	U
78-59-1	ISOPHORONE	460	U
88-75-5	2-NITROPHENOL	460	U
105-67-9	2,4-DIMETHYLPHENOL	460	U
111-91-1	BIS(2-CHLOROETHOXY)METHANE	460	U
120-83-2	2,4-DICHLOROPHENOL	460	U
120-82-1	1,2,4-TRICHLOROBENZENE	460	U
91-20-3	NAPHTHALENE	460	U
106-47-8	4-CHLOROANILINE	460	U
87-68-3	HEXACHLOROBUTADIENE	460	U
59-50-7	4-CHLORO-3-METHYLPHENOL	460	U
91-57-6	2-METHYLNAPHTHALENE	460	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TCCSDB1E0002

Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG7

Matrix: (soil/water) SOIL Lab Sample ID: P189228

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP03079206

Level: (low/med) LOW Date Received: 02/08/92

% Moisture: not dec. 28 dec. ____ Date Extracted: 02/12/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/08/92

GPC Cleanup: (Y/N) N pH: 7.3 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
77-47-4	HEXACHLOROCYCLOPENTADIENE	460	U
88-06-2	2,4,6-TRICHLOROPHENOL	460	U
95-95-4	2,4,5-TRICHLOROPHENOL	2200	U
91-58-7	2-CHLORONAPHTHALENE	460	U
88-74-4	2-NITROANILINE	2200	U
131-11-3	DIMETHYLPHTHALATE	460	U
208-96-8	ACENAPHTHYLENE	460	U
606-20-2	2,6-DINITRITOLUENE	460	U
99-09-2	3-NITROANILINE	2200	U
83-32-9	ACENAPHTHENE	460	U
51-28-5	2,4-DINITROPHENOL	2200	U
100-02-7	4-NITROPHENOL	2200	U
132-64-9	DIBENZOFURAN	460	U
121-14-2	2,4-DINITROTOLUENE	460	U
84-66-2	DIETHYLPHTHALATE	460	U
7005-72-3	4-CHLOROPHENYL-PHENYLETHER	460	U
86-73-7	FLUORENE	460	U
100-10-6	4-NITROANILINE	2200	U
534-52-1	4,6-DINITRO-2-METHYLPHENOL	2200	U
86-30-6	N-NITROSODIPHENYLAMINE (1)	460	U
101-55-3	4-BROMOPHENYL-PHENYLETHER	460	U
118-74-1	HEXACHLOROBENZENE	460	U
87-86-5	PENTACHLOROPHENOL	2200	U
85-01-8	PHENANTHRENE	460	U
120-12-7	ANTHRACENE	460	U
84-74-2	DI-N-BUTYLPHTHALATE	460	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TCCSDB1E0002

Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG7

Matrix: (soil/water) SOIL Lab Sample ID: P189228

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP03079206

Level: (low/med) LOW Date Received: 02/08/92

% Moisture: not dec. 28 dec. ____ Date Extracted: 02/12/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/08/92

GPC Cleanup: (Y/N) N pH: 7.3 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
77-47-4	HEXACHLOROCYCLOPENTADIENE	460	U
88-06-2	2,4,6-TRICHLOROPHENOL	460	U
95-95-4	2,4,5-TRICHLOROPHENOL	2200	U
91-58-7	2-CHLORONAPHTHALENE	460	U
88-74-4	2-NITROANILINE	2200	U
131-11-3	DIMETHYLPHTHALATE	460	U
208-96-8	ACENAPHTHYLENE	460	U
606-20-2	2,6-DINITRITOLUENE	460	U
99-09-2	3-NITROANILINE	2200	U
83-32-9	ACENAPHTHENE	460	U
51-28-5	2,4-DINITROPHENOL	2200	U
100-02-7	4-NITROPHENOL	2200	U
132-64-9	DIBENZOFURAN	460	U
121-14-2	2,4-DINITROTOLUENE	460	U
84-66-2	DIETHYLPHTHALATE	460	U
7005-72-3	4-CHLOROPHENYL-PHENYLETHER	460	U
86-73-7	FLUORENE	460	U
100-10-6	4-NITROANILINE	2200	U
534-52-1	4,6-DINITRO-2-METHYLPHENOL	2200	U
86-30-6	N-NITROSODIPHENYLAMINE (1)	460	U
101-55-3	4-BROMOPHENYL-PHENYLETHER	460	U
118-74-1	HEXACHLOROBENZENE	460	U
87-86-5	PENTACHLOROPHENOL	2200	U
85-01-8	PHENANTHRENE	460	U
120-12-7	ANTHRACENE	460	U
84-74-2	DI-N-BUTYLPHTHALATE	460	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TCCSDB1E0002

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG7

Matrix: (soil/water) SOIL Lab Sample ID: P189228

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP03079206

Level: (low/med) LOW Date Received: 02/08/92

% Moisture: not dec. 28 dec. ____ Date Extracted: 02/12/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/08/92

GPC Cleanup: (Y/N) N pH: 7.3 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
206-44-0	FLUORANTHENE	460	U
129-00-0	PYRENE	460	U
85-68-7	BUTYLBENZYLPHTHALATE	460	U
91-94-1	3,3'-DICHLOROBENZIDINE	920	U
56-55-3	BENZO(A)ANTHRACENE	460	U
218-01-9	CHRYSENE	460	U
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	460	U
117-84-0	DI-N-OCTYL PHTHALATE	460	U
205-99-2	BENZO(B)FLUORANTHENE	460	U
207-08-9	BENZO(K)FLUORANTHENE	460	U
50-32-8	BENZO(A)PYRENE	460	U
193-39-5	INDENO(1,2,3-CD)PYRENE	460	U
53-70-3	DIBENZO(A,H)ANTHRACENE	460	U
191-24-2	BENZO(G,H,I)PERYLENE	460	U
58-90-2	2,3,4,6-TETRACHLOROPHENOL	460	U
109-06-8	2-PICOLINE	930	U
62-50-0	METHANESULFONIC ACID, ETHYL E	930	U
100-75-4	N-NITROSOPIPERIDINE	930	U
87-65-0	2,6-DICHLOROPHENOL	460	U
924-16-3	NITROSO-DI-N-BUTYLAMINE	460	U
66-27-3	METHANESULFONIC ACID, METHYL	2400	U
98-86-2	ACETOPHENONE	460	U
122-09-8	A,A-DIMETHYLPHENETHYLAMINE	2400	U
608-93-5	PENTACHLOROBENZENE	460	U
92-67-1	4-AMINOBIPHENYL	460	U
60-11-7	P-DIMETHYLAMINOAZOBENZENE	460	U

00006

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TCCSDB1E0002

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG7

Matrix: (soil/water) SOIL Lab Sample ID: P189228

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP03079206

Level: (low/med) LOW Date Received: 02/08/92

% Moisture: not dec. 28 dec. ____ Date Extracted: 02/12/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/08/92

GPC Cleanup: (Y/N) N pH: 7.3 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
206-44-0	FLUORANTHENE	460	U
129-00-0	PYRENE	460	U
85-68-7	BUTYLBENZYLPHTHALATE	460	U
91-94-1	3,3'-DICHLOROBENZIDINE	920	U
56-55-3	BENZO(A)ANTHRACENE	460	U
218-01-9	CHRYSENE	460	U
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	460	U
117-84-0	DI-N-OCTYL PHTHALATE	460	U
205-99-2	BENZO(B)FLUORANTHENE	460	U
207-08-9	BENZO(K)FLUORANTHENE	460	U
50-32-8	BENZO(A)PYRENE	460	U
193-39-5	INDENO(1,2,3-CD)PYRENE	460	U
53-70-3	DIBENZO(A,H)ANTHRACENE	460	U
191-24-2	BENZO(G,H,I)PERYLENE	460	U
58-90-2	2,3,4,6-TETRACHLOROPHENOL	460	U
109-06-8	2-PICOLINE	930	U
62-50-0	METHANESULFONIC ACID, ETHYL E	930	U
100-75-4	N-NITROSOPIPERIDINE	930	U
87-65-0	2,6-DICHLOROPHENOL	460	U
924-16-3	NITROSO-DI-N-BUTYLAMINE	460	U
66-27-3	METHANESULFONIC ACID, METHYL	2400	U
98-86-2	ACETOPHENONE	460	U
122-09-8	A,A-DIMETHYLPHENETHYLAMINE	2400	U
608-93-5	PENTACHLOROBENZENE	460	U
92-67-1	4-AMINOBIPHENYL	460	U
60-11-7	P-DIMETHYLAMINOAZOBENZENE	460	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TCCSDB1E0002

Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG7

Matrix: (soil/water) SOIL Lab Sample ID: P189228

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP03079206

Level: (low/med) LOW Date Received: 02/08/92

% Moisture: not dec. 28 dec. ____ Date Extracted: 02/12/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/08/92

GPC Cleanup: (Y/N) N pH: 7.3 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
57-97-6	7,12-DIMETHYLBENZ(A)ANTHRACEN	460	U
95-94-3	1,2,4,5-TETRACHLOROBENZENE	460	U
122-39-4	DIPHENYLAMINE	460	U
62-44-2	PHENACETIN	460	U
56-49-5	3-METHYLCHOLANTHRENE	460	U
23950-58-5	PRONAMIDE	460	U
91-59-8	2-NAPHTHALENEAMINE	460	U
106-50-3	P-PHENYLENEDIAMINE	2400	U
120-58-1	ISOSAFROLE	460	U
99-55-8	5-NITRO-O-TOLUIDINE	930	U
56-57-5	4-NITROQUINOLINE 1-OXIDE	~~2400~~	~~U~~ R
91-80-5	METHYAPYRILENE	460	U
781-73-7	2-ACETYLAMINOFLUORENE	460	U
10595-95-6	N-NITROSOMETHYLETHYLAMINE	460	U
55-18-5	N-NITROSODIETHYLAMINE	460	U
930-55-2	N-NITROSOPYRROLIDINE	930	U
59-89-2	N-NITROSOMORPHOLINE	460	U
95-53-4	O-TOLUIDINE	460	U
1981-0-0	0,0,0-TRIETHYLPHOSPHOROTHIOAT	2400	U
94-59-7	SAFROLE	460	U
130-15-4	1,4-NAPHTHOQUINONE	460	U
99-35-4	SYM-TRINITROBENZENE	2400	U
1888-71-7	HEXACHLOROPROPENE	~~460~~	~~U~~ R
99-65-0	M-DINITROBENZENE	2400	U
612-82-8	3,3'-DIMETHYLBENZIDINE	~~0~~	~~U~~ R
70-30-4	HEXACHLOROPHENE	4600	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TCCSDB1E0002

Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG7

Matrix: (soil/water) SOIL Lab Sample ID: P189228

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP03079206

Level: (low/med) LOW Date Received: 02/08/92

% Moisture: not dec. 28 dec. ____ Date Extracted: 02/12/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/08/92

GPC Cleanup: (Y/N) N pH: 7.3 Dilution Factor: 1.00

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND		Q
57-97-6	7,12-DIMETHYLBENZ(A)ANTHRACEN	460	U
95-94-3	1,2,4,5-TETRACHLOROBENZENE	460	U
122-39-4	DIPHENYLAMINE	460	U
62-44-2	PHENACETIN	460	U
56-49-5	3-METHYLCHOLANTHRENE	460	U
23950-58-5	PRONAMIDE	460	U
91-59-8	2-NAPHTHALENEAMINE	460	U
106-50-3	P-PHENYLENEDIAMINE	2400	U
120-58-1	ISOSAFROLE	460	U
99-55-8	5-NITRO-O-TOLUIDINE	930	U
56-57-5	4-NITROQUINOLINE 1-OXIDE	~~2400~~	~~U~~ R
91-80-5	METHYAPYRILENE	460	U
781-73-7	2-ACETYLAMINOFLUORENE	460	U
10595-95-6	N-NITROSOMETHYLETHYLAMINE	460	U
55-18-5	N-NITROSODIETHYLAMINE	460	U
930-55-2	N-NITROSOPYRROLIDINE	930	U
59-89-2	N-NITROSOMORPHOLINE	460	U
95-53-4	O-TOLUIDINE	460	U
1981-0-0	0,0,0-TRIETHYLPHOSPHOROTHIOAT	2400	U
94-59-7	SAFROLE	460	U
130-15-4	1,4-NAPHTHOQUINONE	460	U
99-35-4	SYM-TRINITROBENZENE	2400	U
1888-71-7	HEXACHLOROPROPENE	~~460~~	~~U~~ R
99-65-0	M-DINITROBENZENE	2400	U
612-82-8	3,3'-DIMETHYLBENZIDINE	~~0~~	~~U~~ R
70-30-4	HEXACHLOROPHENE	4600	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TCCSDB1E0002

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG7

Matrix: (soil/water) SOIL Lab Sample ID: P189228

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP03079206

Level: (low/med) LOW Date Received: 02/08/92

% Moisture: not dec. 28 dec. ____ Date Extracted: 02/12/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/08/92

GPC Cleanup: (Y/N) N pH: 7.3 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
60-51-5	DIMETHOATE	460	U
2303-16-4	DIALLATE	460	U
110-86-1	PYRIDINE	460	U
140-57-8	ARAMITE	2400	U
88-85-7	2-SEC-BUTYL-4,6-DINITROPHENOL	460	U
108-39-4	M-CRESOL	460	U
82-68-8	PENTACHLORONITROBENZENE	2400	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TCCSDB1E0002

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG7

Matrix: (soil/water) SOIL Lab Sample ID: P189228

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP03079206

Level: (low/med) LOW Date Received: 02/08/92

% Moisture: not dec. 28 dec. ____ Date Extracted: 02/12/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/08/92

GPC Cleanup: (Y/N) N pH: 7.3 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
60-51-5	DIMETHOATE	460	U
2303-16-4	DIALLATE	460	U
110-86-1	PYRIDINE	460	U
140-57-8	ARAMITE	2400	U
88-85-7	2-SEC-BUTYL-4,6-DINITROPHENOL	460	U
108-39-4	M-CRESOL	460	U
82-68-8	PENTACHLORONITROBENZENE	2400	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TCCSDB2E0002

Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG7

Matrix: (soil/water) SOIL Lab Sample ID: P189223

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP03079204

Level: (low/med) LOW Date Received: 02/08/92

% Moisture: not dec. 19 dec. ____ Date Extracted: 02/12/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/07/92

GPC Cleanup: (Y/N) N pH: 7.9 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
62-75-9	N-NITROSODIMETHYLAMINE	410	U
108-95-2	PHENOL	410	U
62-53-3	ANILINE	410	U
111-44-4	BIS(2-CHLOROETHYL)ETHER	410	U
95-57-8	2-CHLOROPHENOL	410	U
541-73-1	1,3-DICHLOROBENZENE	410	U
106-46-7	1,4-DICHLOROBENZENE	410	U
100-51-6	BENZYL ALCOHOL	410	U
95-50-1	1,2-DICHLOROBENZENE	410	U
95-48-7	2-METHYLPHENOL	410	U
39638-32-9	BIS(2-CHLOROISOPROPYL)ETHER	410	U
106-44-5	4-METHYLPHENOL	410	U
621-64-7	N-NITROSO-DI-N-PROPYLAMINE	410	U
67-72-1	HEXACHLOROETHANE	410	U
98-95-3	NITROBENZENE	410	U
78-59-1	ISOPHORONE	410	U
88-75-5	2-NITROPHENOL	410	U
105-67-9	2,4-DIMETHYLPHENOL	410	U
111-91-1	BIS(2-CHLOROETHOXY)METHANE	410	U
120-83-2	2,4-DICHLOROPHENOL	410	U
120-82-1	1,2,4-TRICHLOROBENZENE	410	U
91-20-3	NAPHTHALENE	410	U
106-47-8	4-CHLOROANILINE	410	U
87-68-3	HEXACHLOROBUTADIENE	410	U
59-50-7	4-CHLORO-3-METHYLPHENOL	410	U
91-57-6	2-METHYLNAPHTHALENE	410	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TCCSDB2E0002

Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG7

Matrix: (soil/water) SOIL Lab Sample ID: P189223

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP03079204

Level: (low/med) LOW Date Received: 02/08/92

% Moisture: not dec. 19 dec. ____ Date Extracted: 02/12/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/07/92

GPC Cleanup: (Y/N) N pH: 7.9 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
62-75-9	N-NITROSODIMETHYLAMINE	410	U
108-95-2	PHENOL	410	U
62-53-3	ANILINE	410	U
111-44-4	BIS(2-CHLOROETHYL)ETHER	410	U
95-57-8	2-CHLOROPHENOL	410	U
541-73-1	1,3-DICHLOROBENZENE	410	U
106-46-7	1,4-DICHLOROBENZENE	410	U
100-51-6	BENZYL ALCOHOL	410	U
95-50-1	1,2-DICHLOROBENZENE	410	U
95-48-7	2-METHYLPHENOL	410	U
39638-32-9	BIS(2-CHLOROISOPROPYL)ETHER	410	U
106-44-5	4-METHYLPHENOL	410	U
621-64-7	N-NITROSO-DI-N-PROPYLAMINE	410	U
67-72-1	HEXACHLOROETHANE	410	U
98-95-3	NITROBENZENE	410	U
78-59-1	ISOPHORONE	410	U
88-75-5	2-NITROPHENOL	410	U
105-67-9	2,4-DIMETHYLPHENOL	410	U
111-91-1	BIS(2-CHLOROETHOXY)METHANE	410	U
120-83-2	2,4-DICHLOROPHENOL	410	U
120-82-1	1,2,4-TRICHLOROBENZENE	410	U
91-20-3	NAPHTHALENE	410	U
106-47-8	4-CHLOROANILINE	410	U
87-68-3	HEXACHLOROBUTADIENE	410	U
59-50-7	4-CHLORO-3-METHYLPHENOL	410	U
91-57-6	2-METHYLNAPHTHALENE	410	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TCCSDB2E0002

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG7

Matrix: (soil/water) SOIL Lab Sample ID: P189223

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP03079204

Level: (low/med) LOW Date Received: 02/08/92

% Moisture: not dec. 19 dec. ____ Date Extracted: 02/12/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/07/92

GPC Cleanup: (Y/N) N pH: 7.9 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
77-47-4	HEXACHLOROCYCLOPENTADIENE	410	U
88-06-2	2,4,6-TRICHLOROPHENOL	410	U
95-95-4	2,4,5-TRICHLOROPHENOL	2000	U
91-58-7	2-CHLORONAPHTHALENE	410	U
88-74-4	2-NITROANILINE	2000	U
131-11-3	DIMETHYLPHTHALATE	410	U
208-96-8	ACENAPHTHYLENE	410	U
606-20-2	2,6-DINITRITOLUENE	410	U
99-09-2	3-NITROANILINE	2000	U
83-32-9	ACENAPHTHENE	410	U
51-28-5	2,4-DINITROPHENOL	2000	U
100-02-7	4-NITROPHENOL	2000	U
132-64-9	DIBENZOFURAN	410	U
121-14-2	2,4-DINITROTOLUENE	410	U
84-66-2	DIETHYLPHTHALATE	410	U
7005-72-3	4-CHLOROPHENYL-PHENYLETHER	410	U
86-73-7	FLUORENE	410	U
100-10-6	4-NITROANILINE	2000	U
534-52-1	4,6-DINITRO-2-METHYLPHENOL	2000	U
86-30-6	N-NITROSODIPHENYLAMINE (1)	410	U
101-55-3	4-BROMOPHENYL-PHENYLETHER	410	U
118-74-1	HEXACHLOROBENZENE	410	U
87-86-5	PENTACHLOROPHENOL	2000	U
85-01-8	PHENANTHRENE	410	U
120-12-7	ANTHRACENE	410	U
84-74-2	DI-N-BUTYLPHTHALATE	410	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TCCSDB2E0002

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG7

Matrix: (soil/water) SOIL Lab Sample ID: P189223

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP03079204

Level: (low/med) LOW Date Received: 02/08/92

% Moisture: not dec. 19 dec. ____ Date Extracted: 02/12/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/07/92

GPC Cleanup: (Y/N) N pH: 7.9 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
77-47-4	HEXACHLOROCYCLOPENTADIENE	410	U
88-06-2	2,4,6-TRICHLOROPHENOL	410	U
95-95-4	2,4,5-TRICHLOROPHENOL	2000	U
91-58-7	2-CHLORONAPHTHALENE	410	U
88-74-4	2-NITROANILINE	2000	U
131-11-3	DIMETHYLPHTHALATE	410	U
208-96-8	ACENAPHTHYLENE	410	U
606-20-2	2,6-DINITRITOLUENE	410	U
99-09-2	3-NITROANILINE	2000	U
83-32-9	ACENAPHTHENE	410	U
51-28-5	2,4-DINITROPHENOL	2000	U
100-02-7	4-NITROPHENOL	2000	U
132-64-9	DIBENZOFURAN	410	U
121-14-2	2,4-DINITROTOLUENE	410	U
84-66-2	DIETHYLPHTHALATE	410	U
7005-72-3	4-CHLOROPHENYL-PHENYLETHER	410	U
86-73-7	FLUORENE	410	U
100-10-6	4-NITROANILINE	2000	U
534-52-1	4,6-DINITRO-2-METHYLPHENOL	2000	U
86-30-6	N-NITROSODIPHENYLAMINE (1)	410	U
101-55-3	4-BROMOPHENYL-PHENYLETHER	410	U
118-74-1	HEXACHLOROBENZENE	410	U
87-86-5	PENTACHLOROPHENOL	2000	U
85-01-8	PHENANTHRENE	410	U
120-12-7	ANTHRACENE	410	U
84-74-2	DI-N-BUTYLPHTHALATE	410	U

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ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TCCSDB2E0002

b Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG7

Matrix: (soil/water) SOIL Lab Sample ID: P189223

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP03079204

Level: (low/med) LOW Date Received: 02/08/92

% Moisture: not dec. 19 dec. ____ Date Extracted: 02/12/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/07/92

GPC Cleanup: (Y/N) N pH: 7.9 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
206-44-0	FLUORANTHENE	410	U
129-00-0	PYRENE	410	U
85-68-7	BUTYLBENZYLPHTHALATE	410	U
91-94-1	3,3'-DICHLOROBENZIDINE	820	U
56-55-3	BENZO(A)ANTHRACENE	410	U
218-01-9	CHRYSENE	410	U
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	410	U
117-84-0	DI-N-OCTYL PHTHALATE	410	U
205-99-2	BENZO(B)FLUORANTHENE	410	U
207-08-9	BENZO(K)FLUORANTHENE	410	U
50-32-8	BENZO(A)PYRENE	410	U
193-39-5	INDENO(1,2,3-CD)PYRENE	410	U
53-70-3	DIBENZO(A,H)ANTHRACENE	410	U
191-24-2	BENZO(G,H,I)PERYLENE	410	U
58-90-2	2,3,4,6-TETRACHLOROPHENOL	410	U
109-06-8	2-PICOLINE	830	U
62-50-0	METHANESULFONIC ACID, ETHYL E	830	U
100-75-4	N-NITROSOPIPERIDINE	830	U
87-65-0	2,6-DICHLOROPHENOL	410	U
924-16-3	NITROSO-DI-N-BUTYLAMINE	410	U
66-27-3	METHANESULFONIC ACID, METHYL	2100	U
98-86-2	ACETOPHENONE	410	U
122-09-8	A,A-DIMETHYLPHENETHYLAMINE	2100	U
608-93-5	PENTACHLOROBENZENE	410	U
92-67-1	4-AMINOBIPHENYL	410	U
60-11-7	P-DIMETHYLAMINOAZOBENZENE	410	U

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ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TCCSDB2E0002

b Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG7

Matrix: (soil/water) SOIL Lab Sample ID: P189223

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP03079204

Level: (low/med) LOW Date Received: 02/08/92

% Moisture: not dec. 19 dec. ____ Date Extracted: 02/12/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/07/92

GPC Cleanup: (Y/N) N pH: 7.9 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
206-44-0	FLUORANTHENE	410	U
129-00-0	PYRENE	410	U
85-68-7	BUTYLBENZYLPHTHALATE	410	U
91-94-1	3,3'-DICHLOROBENZIDINE	820	U
56-55-3	BENZO(A)ANTHRACENE	410	U
218-01-9	CHRYSENE	410	U
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	410	U
117-84-0	DI-N-OCTYL PHTHALATE	410	U
205-99-2	BENZO(B)FLUORANTHENE	410	U
207-08-9	BENZO(K)FLUORANTHENE	410	U
50-32-8	BENZO(A)PYRENE	410	U
193-39-5	INDENO(1,2,3-CD)PYRENE	410	U
53-70-3	DIBENZO(A,H)ANTHRACENE	410	U
191-24-2	BENZO(G,H,I)PERYLENE	410	U
58-90-2	2,3,4,6-TETRACHLOROPHENOL	410	U
109-06-8	2-PICOLINE	830	U
62-50-0	METHANESULFONIC ACID, ETHYL E	830	U
100-75-4	N-NITROSOPIPERIDINE	830	U
87-65-0	2,6-DICHLOROPHENOL	410	U
924-16-3	NITROSO-DI-N-BUTYLAMINE	410	U
66-27-3	METHANESULFONIC ACID, METHYL	2100	U
98-86-2	ACETOPHENONE	410	U
122-09-8	A,A-DIMETHYLPHENETHYLAMINE	2100	U
608-93-5	PENTACHLOROBENZENE	410	U
92-67-1	4-AMINOBIPHENYL	410	U
60-11-7	P-DIMETHYLAMINOAZOBENZENE	410	U

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ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TCCSDB2E000

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG7

Matrix: (soil/water) SOIL Lab Sample ID: P189223

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP03079204

Level: (low/med) LOW Date Received: 02/08/92

% Moisture: not dec. 19 dec. ____ Date Extracted: 02/12/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/07/92

GPC Cleanup: (Y/N) N pH: 7.9 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
57-97-6	7,12-DIMETHYLBENZ(A)ANTHRACEN	410	U
95-94-3	1,2,4,5-TETRACHLOROBENZENE	410	U
122-39-4	DIPHENYLAMINE	410	U
62-44-2	PHENACETIN	410	U
56-49-5	3-METHYLCHOLANTHRENE	410	U
23950-58-5	PRONAMIDE	410	U
91-59-8	2-NAPHTHALENEAMINE	410	U
106-50-3	P-PHENYLENEDIAMINE	2100	U
120-58-1	ISOSAFROLE	410	U
99-55-8	5-NITRO-O-TOLUIDINE	830	U
56-57-5	4-NITROQUINOLINE 1-OXIDE	~~2100~~	~~U~~ R
91-80-5	METHYAPYRILENE	410	U
781-73-7	2-ACETYLAMINOFLUORENE	410	U
10595-95-6	N-NITROSOMETHYLETHYLAMINE	410	U
55-18-5	N-NITROSODIETHYLAMINE	410	U
930-55-2	N-NITROSOPYRROLIDINE	830	U
59-89-2	N-NITROSOMORPHOLINE	410	U
95-53-4	O-TOLUIDINE	410	U
1981-0-0	0,0,0-TRIETHYLPHOSPHOROTHIOAT	2100	U
94-59-7	SAFROLE	410	U
130-15-4	1,4-NAPHTHOQUINONE	410	U
99-35-4	SYM-TRINITROBENZENE	2100	U
1888-71-7	HEXACHLOROPROPENE	~~410~~	~~U~~ R
99-65-0	M-DINITROBENZENE	2100	U
612-82-8	3,3'-DIMETHYLBENZIDINE	~~0~~	~~U~~ R
70-30-4	HEXACHLOROPHENE	4100	U

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1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TCCSDB2E000

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG7

Matrix: (soil/water) SOIL Lab Sample ID: P189223

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP03079204

Level: (low/med) LOW Date Received: 02/08/92

% Moisture: not dec. 19 dec. ____ Date Extracted: 02/12/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/07/92

GPC Cleanup: (Y/N) N pH: 7.9 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
57-97-6	7,12-DIMETHYLBENZ(A)ANTHRACEN	410	U
95-94-3	1,2,4,5-TETRACHLOROBENZENE	410	U
122-39-4	DIPHENYLAMINE	410	U
62-44-2	PHENACETIN	410	U
56-49-5	3-METHYLCHOLANTHRENE	410	U
23950-58-5	PRONAMIDE	410	U
91-59-8	2-NAPHTHALENEAMINE	410	U
106-50-3	P-PHENYLENEDIAMINE	2100	U
120-58-1	ISOSAFROLE	410	U
99-55-8	5-NITRO-O-TOLUIDINE	830	U
56-57-5	4-NITROQUINOLINE 1-OXIDE	~~2100~~	~~U~~ R
91-80-5	METHYAPYRILENE	410	U
781-73-7	2-ACETYLAMINOFLUORENE	410	U
10595-95-6	N-NITROSOMETHYLETHYLAMINE	410	U
55-18-5	N-NITROSODIETHYLAMINE	410	U
930-55-2	N-NITROSOPYRROLIDINE	830	U
59-89-2	N-NITROSOMORPHOLINE	410	U
95-53-4	O-TOLUIDINE	410	U
1981-0-0	0,0,0-TRIETHYLPHOSPHOROTHIOAT	2100	U
94-59-7	SAFROLE	410	U
130-15-4	1,4-NAPHTHOQUINONE	410	U
99-35-4	SYM-TRINITROBENZENE	2100	U
1888-71-7	HEXACHLOROPROPENE	~~410~~	~~U~~ R
99-65-0	M-DINITROBENZENE	2100	U
612-82-8	3,3'-DIMETHYLBENZIDINE	~~0~~	~~U~~ R
70-30-4	HEXACHLOROPHENE	4100	U

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1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TCCSDB2E0002

Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG7

Matrix: (soil/water) SOIL Lab Sample ID: P189223

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP03079204

Level: (low/med) LOW Date Received: 02/08/92

% Moisture: not dec. 19 dec. ____ Date Extracted: 02/12/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/07/92

GPC Cleanup: (Y/N) N pH: 7.9 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
60-51-5	DIMETHOATE	410	U
2303-16-4	DIALLATE	410	UJ
110-86-1	PYRIDINE	410	U
140-57-8	ARAMITE	2100	UJ
88-85-7	2-SEC-BUTYL-4,6-DINITROPHENOL	410	U
108-39-4	M-CRESOL	410	U
82-68-8	PENTACHLORONITROBENZENE	2100	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TCCSDB2E0002

Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG7

Matrix: (soil/water) SOIL Lab Sample ID: P189223

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP03079204

Level: (low/med) LOW Date Received: 02/08/92

% Moisture: not dec. 19 dec. ____ Date Extracted: 02/12/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/07/92

GPC Cleanup: (Y/N) N pH: 7.9 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
60-51-5	DIMETHOATE	410	U
2303-16-4	DIALLATE	410	UJ
110-86-1	PYRIDINE	410	U
140-57-8	ARAMITE	2100	UJ
88-85-7	2-SEC-BUTYL-4,6-DINITROPHENOL	410	U
108-39-4	M-CRESOL	410	U
82-68-8	PENTACHLORONITROBENZENE	2100	U

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E-14

PESTICIDES/POLYCHLORINATED BIPHENYLS AND RADIOACTIVITY IN SEDIMENT - FEBRUARY 1992

E-14

PESTICIDES/POLYCHLORINATED BIPHENYLS AND RADIOACTIVITY IN SEDIMENT - FEBRUARY 1992

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ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TKCSD01E0002

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG7

Matrix: (soil/water) SOIL Lab Sample ID: P188956

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP03059204

Level: (low/med) LOW Date Received: 02/04/92

Moisture: not dec. 25 dec. ____ Date Extracted: 02/07/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/05/92

GPC Cleanup: (Y/N) N pH: 7.2 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
62-75-9	N-NITROSODIMETHYLAMINE	440	U
108-95-2	PHENOL	440	U
62-53-3	ANILINE	440	U
111-44-4	BIS(2-CHLOROETHYL)ETHER	440	U
95-57-8	2-CHLOROPHENOL	440	U
541-73-1	1,3-DICHLOROBENZENE	440	U
106-46-7	1,4-DICHLOROBENZENE	440	U
100-51-6	BENZYL ALCOHOL	440	U
95-50-1	1,2-DICHLOROBENZENE	440	U
95-48-7	2-METHYLPHENOL	440	U
39638-32-9	BIS(2-CHLOROISOPROPYL)ETHER	440	U
106-44-5	4-METHYLPHENOL	440	U
621-64-7	N-NITROSO-DI-N-PROPYLAMINE	440	U
67-72-1	HEXACHLOROETHANE	440	U
98-95-3	NITROBENZENE	440	U
78-59-1	ISOPHORONE	440	U
88-75-5	2-NITROPHENOL	440	U
105-67-9	2,4-DIMETHYLPHENOL	440	U
111-91-1	BIS(2-CHLOROETHOXY)METHANE	440	U
120-83-2	2,4-DICHLOROPHENOL	440	U
120-82-1	1,2,4-TRICHLOROBENZENE	440	U
91-20-3	NAPHTHALENE	440	U
106-47-8	4-CHLOROANILINE	440	U
87-68-3	HEXACHLOROBUTADIENE	440	U
59-50-7	4-CHLORO-3-METHYLPHENOL	440	U
91-57-6	2-METHYLNAPHTHALENE	440	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TKCSD01E0002

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG7

Matrix: (soil/water) SOIL Lab Sample ID: P188956

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP03059204

Level: (low/med) LOW Date Received: 02/04/92

Moisture: not dec. 25 dec. ____ Date Extracted: 02/07/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/05/92

GPC Cleanup: (Y/N) N pH: 7.2 Dilution Factor: 1.00

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND		Q
62-75-9	N-NITROSODIMETHYLAMINE	440	U
108-95-2	PHENOL	440	U
62-53-3	ANILINE	440	U
111-44-4	BIS(2-CHLOROETHYL)ETHER	440	U
95-57-8	2-CHLOROPHENOL	440	U
541-73-1	1,3-DICHLOROBENZENE	440	U
106-46-7	1,4-DICHLOROBENZENE	440	U
100-51-6	BENZYL ALCOHOL	440	U
95-50-1	1,2-DICHLOROBENZENE	440	U
95-48-7	2-METHYLPHENOL	440	U
39638-32-9	BIS(2-CHLOROISOPROPYL)ETHER	440	U
106-44-5	4-METHYLPHENOL	440	U
621-64-7	N-NITROSO-DI-N-PROPYLAMINE	440	U
67-72-1	HEXACHLOROETHANE	440	U
98-95-3	NITROBENZENE	440	U
78-59-1	ISOPHORONE	440	U
88-75-5	2-NITROPHENOL	440	U
105-67-9	2,4-DIMETHYLPHENOL	440	U
111-91-1	BIS(2-CHLOROETHOXY)METHANE	440	U
120-83-2	2,4-DICHLOROPHENOL	440	U
120-82-1	1,2,4-TRICHLOROBENZENE	440	U
91-20-3	NAPHTHALENE	440	U
106-47-8	4-CHLOROANILINE	440	U
87-68-3	HEXACHLOROBUTADIENE	440	U
59-50-7	4-CHLORO-3-METHYLPHENOL	440	U
91-57-6	2-METHYLNAPHTHALENE	440	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TKCSD01E0

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG7

Matrix: (soil/water) SOIL Lab Sample ID: P188956

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP03059204

Level: (low/med) LOW Date Received: 02/04/92

% Moisture: not dec. 25 dec. ____ Date Extracted: 02/07/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/05/92

GPC Cleanup: (Y/N) N pH: 7.2 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
77-47-4	HEXACHLOROCYCLOPENTADIENE	440	U
88-06-2	2,4,6-TRICHLOROPHENOL	440	U
95-95-4	2,4,5-TRICHLOROPHENOL	2100	U
91-58-7	2-CHLORONAPHTHALENE	440	U
88-74-4	2-NITROANILINE	2100	U
131-11-3	DIMETHYLPHTHALATE	440	U
208-96-8	ACENAPHTHYLENE	440	U
606-20-2	2,6-DINITRITOLUENE	440	U
99-09-2	3-NITROANILINE	2100	U
83-32-9	ACENAPHTHENE	440	U
51-28-5	2,4-DINITROPHENOL	2100	U
100-02-7	4-NITROPHENOL	2100	U
132-64-9	DIBENZOFURAN	440	U
121-14-2	2,4-DINITROTOLUENE	440	U
84-66-2	DIETHYLPHTHALATE	440	U
7005-72-3	4-CHLOROPHENYL-PHENYLETHER	440	U
86-73-7	FLUORENE	440	U
100-10-6	4-NITROANILINE	2100	U
534-52-1	4,6-DINITRO-2-METHYLPHENOL	2100	U
86-30-6	N-NITROSODIPHENYLAMINE (1)	440	U
101-55-3	4-BROMOPHENYL-PHENYLETHER	440	U
118-74-1	HEXACHLOROBENZENE	440	U
87-86-5	PENTACHLOROPHENOL	2100	U
85-01-8	PHENANTHRENE	240	J
120-12-7	ANTHRACENE	440	U
84-74-2	DI-N-BUTYLPHTHALATE	440	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TKCSD01E0'

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG7

Matrix: (soil/water) SOIL Lab Sample ID: P188956

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP03059204

Level: (low/med) LOW Date Received: 02/04/92

% Moisture: not dec. 25 dec. ____ Date Extracted: 02/07/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/05/92

GPC Cleanup: (Y/N) N pH: 7.2 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
77-47-4	HEXACHLOROCYCLOPENTADIENE	440	U
88-06-2	2,4,6-TRICHLOROPHENOL	440	U
95-95-4	2,4,5-TRICHLOROPHENOL	2100	U
91-58-7	2-CHLORONAPHTHALENE	440	U
88-74-4	2-NITROANILINE	2100	U
131-11-3	DIMETHYLPHTHALATE	440	U
208-96-8	ACENAPHTHYLENE	440	U
606-20-2	2,6-DINITRITOLUENE	440	U
99-09-2	3-NITROANILINE	2100	U
83-32-9	ACENAPHTHENE	440	U
51-28-5	2,4-DINITROPHENOL	2100	U
100-02-7	4-NITROPHENOL	2100	U
132-64-9	DIBENZOFURAN	440	U
121-14-2	2,4-DINITROTOLUENE	440	U
84-66-2	DIETHYLPHTHALATE	440	U
7005-72-3	4-CHLOROPHENYL-PHENYLETHER	440	U
86-73-7	FLUORENE	440	U
100-10-6	4-NITROANILINE	2100	U
534-52-1	4,6-DINITRO-2-METHYLPHENOL	2100	U
86-30-6	N-NITROSODIPHENYLAMINE (1)	440	U
101-55-3	4-BROMOPHENYL-PHENYLETHER	440	U
118-74-1	HEXACHLOROBENZENE	440	U
87-86-5	PENTACHLOROPHENOL	2100	U
85-01-8	PHENANTHRENE	240	J
120-12-7	ANTHRACENE	440	U
84-74-2	DI-N-BUTYLPHTHALATE	440	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TKCSD01E0002

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG7

Matrix: (soil/water) SOIL Lab Sample ID: P188956

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP03059204

Level: (low/med) LOW Date Received: 02/04/92

% Moisture: not dec. 25 dec. ____ Date Extracted: 02/07/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/05/92

GPC Cleanup: (Y/N) N pH: 7.2 Dilution Factor: 1.00

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND		Q
206-44-0	FLUORANTHENE	380	J
129-00-0	PYRENE	400	J
85-68-7	BUTYLBENZYLPHTHALATE	440	U
91-94-1	3,3'-DICHLOROBENZIDINE	880	U
56-55-3	BENZO(A)ANTHRACENE	180	J
218-01-9	CHRYSENE	300	J
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	120	J
117-84-0	DI-N-OCTYL PHTHALATE	440	U
205-99-2	BENZO(B)FLUORANTHENE	300	J
207-08-9	BENZO(K)FLUORANTHENE	440	U
50-32-8	BENZO(A)PYRENE	140	J
193-39-5	INDENO(1,2,3-CD)PYRENE	110	J
53-70-3	DIBENZO(A,H)ANTHRACENE	440	U
191-24-2	BENZO(G,H,I)PERYLENE	120	J
58-90-2	2,3,4,6-TETRACHLOROPHENOL	440	U
109-06-8	2-PICOLINE	890	U
62-50-0	METHANESULFONIC ACID, ETHYL E	890	U
100-75-4	N-NITROSOPIPERIDINE	890	U
87-65-0	2,6-DICHLOROPHENOL	440	U
924-16-3	NITROSO-DI-N-BUTYLAMINE	440	U
66-27-3	METHANESULFONIC ACID, METHYL	2300	U
98-86-2	ACETOPHENONE	440	U
122-09-8	A,A-DIMETHYLPHENETHYLAMINE	2300	U
608-93-5	PENTACHLOROBENZENE	440	U
92-67-1	4-AMINOBIPHENYL	440	U
60-11-7	P-DIMETHYLAMINOAZOBENZENE	440	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TKCSD01E0002

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG7

Matrix: (soil/water) SOIL Lab Sample ID: P188956

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP03059204

Level: (low/med) LOW Date Received: 02/04/92

% Moisture: not dec. 25 dec. ____ Date Extracted: 02/07/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/05/92

GPC Cleanup: (Y/N) N pH: 7.2 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
206-44-0	FLUORANTHENE	380	J
129-00-0	PYRENE	400	J
85-68-7	BUTYLBENZYLPHTHALATE	440	U
91-94-1	3,3'-DICHLOROBENZIDINE	880	U
56-55-3	BENZO(A)ANTHRACENE	180	J
218-01-9	CHRYSENE	300	J
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	120	J
117-84-0	DI-N-OCTYL PHTHALATE	440	U
205-99-2	BENZO(B)FLUORANTHENE	300	J
207-08-9	BENZO(K)FLUORANTHENE	440	U
50-32-8	BENZO(A)PYRENE	140	J
193-39-5	INDENO(1,2,3-CD)PYRENE	110	J
53-70-3	DIBENZO(A,H)ANTHRACENE	440	U
191-24-2	BENZO(G,H,I)PERYLENE	120	J
58-90-2	2,3,4,6-TETRACHLOROPHENOL	440	U
109-06-8	2-PICOLINE	890	U
62-50-0	METHANESULFONIC ACID, ETHYL E	890	U
100-75-4	N-NITROSOPIPERIDINE	890	U
87-65-0	2,6-DICHLOROPHENOL	440	U
924-16-3	NITROSO-DI-N-BUTYLAMINE	440	U
66-27-3	METHANESULFONIC ACID, METHYL	2300	U
98-86-2	ACETOPHENONE	440	U
122-09-8	A,A-DIMETHYLPHENETHYLAMINE	2300	U
608-93-5	PENTACHLOROBENZENE	440	U
92-67-1	4-AMINOBIPHENYL	440	U
60-11-7	P-DIMETHYLAMINOAZOBENZENE	440	U

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ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TKCSD01E0C

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG7

Matrix: (soil/water) SOIL Lab Sample ID: P188956

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP03059204

Level: (low/med) LOW Date Received: 02/04/92

% Moisture: not dec. 25 dec. ____ Date Extracted: 02/07/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/05/92

GPC Cleanup: (Y/N) N pH: 7.2 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
57-97-6	7,12-DIMETHYLBENZ(A)ANTHRACEN	440	U
95-94-3	1,2,4,5-TETRACHLOROBENZENE	440	U
122-39-4	DIPHENYLAMINE	440	U
62-44-2	PHENACETIN	440	U
56-49-5	3-METHYLCHOLANTHRENE	440	U
23950-58-5	PRONAMIDE	440	U
91-59-8	2-NAPHTHALENEAMINE	440	U
106-50-3	P-PHENYLENEDIAMINE	2300	U
120-58-1	ISOSAFROLE	440	U
99-55-8	5-NITRO-O-TOLUIDINE	890	U
56-57-5	4-NITROQUINOLINE 1-OXIDE	~~2300~~	~~U~~ R
91-80-5	METHYAPYRILENE	440	U J
781-73-7	2-ACETYLAMINOFLUORENE	440	U
10595-95-6	N-NITROSOMETHYLETHYLAMINE	440	U
55-18-5	N-NITROSODIETHYLAMINE	440	U
930-55-2	N-NITROSOPYRROLIDINE	890	U
59-89-2	N-NITROSOMORPHOLINE	440	U
95-53-4	O-TOLUIDINE	440	U
1981-0-0	0,0,0-TRIETHYLPHOSPHOROTHIOAT	2300	U
94-59-7	SAFROLE	440	U
130-15-4	1,4-NAPHTHOQUINONE	440	U J
99-35-4	SYM-TRINITROBENZENE	2300	U
1888-71-7	HEXACHLOROPROPENE	~~440~~	~~U~~ R
99-65-0	M-DINITROBENZENE	2300	U
612-82-8	3,3'-DIMETHYLBENZIDINE	~~0~~	~~U~~ R
70-30-4	HEXACHLOROPHENE	4400	U

000168

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TKCSD01E0C

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG7

Matrix: (soil/water) SOIL Lab Sample ID: P188956

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP03059204

Level: (low/med) LOW Date Received: 02/04/92

% Moisture: not dec. 25 dec. ____ Date Extracted: 02/07/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/05/92

GPC Cleanup: (Y/N) N pH: 7.2 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
57-97-6	7,12-DIMETHYLBENZ(A)ANTHRACEN	440	U
95-94-3	1,2,4,5-TETRACHLOROBENZENE	440	U
122-39-4	DIPHENYLAMINE	440	U
62-44-2	PHENACETIN	440	U
56-49-5	3-METHYLCHOLANTHRENE	440	U
23950-58-5	PRONAMIDE	440	U
91-59-8	2-NAPHTHALENEAMINE	440	U
106-50-3	P-PHENYLENEDIAMINE	2300	U
120-58-1	ISOSAFROLE	440	U
99-55-8	5-NITRO-O-TOLUIDINE	890	U
56-57-5	4-NITROQUINOLINE 1-OXIDE	~~2300~~	~~U~~ R
91-80-5	METHYAPYRILENE	440	U J
781-73-7	2-ACETYLAMINOFLUORENE	440	U
10595-95-6	N-NITROSOMETHYLETHYLAMINE	440	U
55-18-5	N-NITROSODIETHYLAMINE	440	U
930-55-2	N-NITROSOPYRROLIDINE	890	U
59-89-2	N-NITROSOMORPHOLINE	440	U
95-53-4	O-TOLUIDINE	440	U
1981-0-0	0,0,0-TRIETHYLPHOSPHOROTHIOAT	2300	U
94-59-7	SAFROLE	440	U
130-15-4	1,4-NAPHTHOQUINONE	440	U J
99-35-4	SYM-TRINITROBENZENE	2300	U
1888-71-7	HEXACHLOROPROPENE	~~440~~	~~U~~ R
99-65-0	M-DINITROBENZENE	2300	U
612-82-8	3,3'-DIMETHYLBENZIDINE	~~0~~	~~U~~ R
70-30-4	HEXACHLOROPHENE	4400	U

000168

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TKCSD01E0002

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG7

Matrix: (soil/water) SOIL Lab Sample ID: P188956

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP03059204

Level: (low/med) LOW Date Received: 02/04/92

% Moisture: not dec. 25 dec. ____ Date Extracted: 02/07/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/05/92

GPC Cleanup: (Y/N) N pH: 7.2 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
60-51-5	DIMETHOATE	440	U
2303-16-4	DIALLATE	440	U
110-86-1	PYRIDINE	440	U
140-57-8	ARAMITE	2300	UJ
88-85-7	2-SEC-BUTYL-4,6-DINITROPHENOL	440	U
108-39-4	M-CRESOL	440	U
82-68-8	PENTACHLORONITROBENZENE	2300	U

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1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TKCSD01E0002

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG7

Matrix: (soil/water) SOIL Lab Sample ID: P188956

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP03059204

Level: (low/med) LOW Date Received: 02/04/92

% Moisture: not dec. 25 dec. ____ Date Extracted: 02/07/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/05/92

GPC Cleanup: (Y/N) N pH: 7.2 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
60-51-5	DIMETHOATE	440	U
2303-16-4	DIALLATE	440	U
110-86-1	PYRIDINE	440	U
140-57-8	ARAMITE	2300	UJ
88-85-7	2-SEC-BUTYL-4,6-DINITROPHENOL	440	U
108-39-4	M-CRESOL	440	U
82-68-8	PENTACHLORONITROBENZENE	2300	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TKCSD01F(

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG7

Matrix: (soil/water) SOIL Lab Sample ID: P188957

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP03099202

Level: (low/med) LOW Date Received: 02/04/92

% Moisture: not dec. 16 dec. ____ Date Extracted: 02/07/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/09/92

GPC Cleanup: (Y/N) N pH: 7.2 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
62-75-9	N-NITROSODIMETHYLAMINE	390	U
108-95-2	PHENOL	390	U
62-53-3	ANILINE	390	U
111-44-4	BIS(2-CHLOROETHYL)ETHER	390	U
95-57-8	2-CHLOROPHENOL	390	U
541-73-1	1,3-DICHLOROBENZENE	390	U
106-46-7	1,4-DICHLOROBENZENE	390	U
100-51-6	BENZYL ALCOHOL	390	U
95-50-1	1,2-DICHLOROBENZENE	390	U
95-48-7	2-METHYLPHENOL	390	U
39638-32-9	BIS(2-CHLOROISOPROPYL)ETHER	390	U
106-44-5	4-METHYLPHENOL	390	U
621-64-7	N-NITROSO-DI-N-PROPYLAMINE	390	U
67-72-1	HEXACHLOROETHANE	390	U
98-95-3	NITROBENZENE	390	U
78-59-1	ISOPHORONE	390	U
88-75-5	2-NITROPHENOL	390	U
105-67-9	2,4-DIMETHYLPHENOL	390	U
111-91-1	BIS(2-CHLOROETHOXY)METHANE	390	U
120-83-2	2,4-DICHLOROPHENOL	390	U
120-82-1	1,2,4-TRICHLOROBENZENE	390	U
91-20-3	NAPHTHALENE	390	U
106-47-8	4-CHLOROANILINE	390	U
87-68-3	HEXACHLOROBUTADIENE	390	U
59-50-7	4-CHLORO-3-METHYLPHENOL	390	U
91-57-6	2-METHYLNAPHTHALENE	390	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TKCSD01F(

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG7

Matrix: (soil/water) SOIL Lab Sample ID: P188957

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP03099202

Level: (low/med) LOW Date Received: 02/04/92

% Moisture: not dec. 16 dec. ____ Date Extracted: 02/07/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/09/92

GPC Cleanup: (Y/N) N pH: 7.2 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
62-75-9	N-NITROSODIMETHYLAMINE	390	U
108-95-2	PHENOL	390	U
62-53-3	ANILINE	390	U
111-44-4	BIS(2-CHLOROETHYL)ETHER	390	U
95-57-8	2-CHLOROPHENOL	390	U
541-73-1	1,3-DICHLOROBENZENE	390	U
106-46-7	1,4-DICHLOROBENZENE	390	U
100-51-6	BENZYL ALCOHOL	390	U
95-50-1	1,2-DICHLOROBENZENE	390	U
95-48-7	2-METHYLPHENOL	390	U
39638-32-9	BIS(2-CHLOROISOPROPYL)ETHER	390	U
106-44-5	4-METHYLPHENOL	390	U
621-64-7	N-NITROSO-DI-N-PROPYLAMINE	390	U
67-72-1	HEXACHLOROETHANE	390	U
98-95-3	NITROBENZENE	390	U
78-59-1	ISOPHORONE	390	U
88-75-5	2-NITROPHENOL	390	U
105-67-9	2,4-DIMETHYLPHENOL	390	U
111-91-1	BIS(2-CHLOROETHOXY)METHANE	390	U
120-83-2	2,4-DICHLOROPHENOL	390	U
120-82-1	1,2,4-TRICHLOROBENZENE	390	U
91-20-3	NAPHTHALENE	390	U
106-47-8	4-CHLOROANILINE	390	U
87-68-3	HEXACHLOROBUTADIENE	390	U
59-50-7	4-CHLORO-3-METHYLPHENOL	390	U
91-57-6	2-METHYLNAPHTHALENE	390	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TKCSD01F0002

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG7

Matrix: (soil/water) SOIL Lab Sample ID: P188957

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP03099202

Level: (low/med) LOW Date Received: 02/04/92

% Moisture: not dec. 16 dec. ____ Date Extracted: 02/07/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/09/92

GPC Cleanup: (Y/N) N pH: 7.2 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
77-47-4	HEXACHLOROCYCLOPENTADIENE	390	U
88-06-2	2,4,6-TRICHLOROPHENOL	390	U
95-95-4	2,4,5-TRICHLOROPHENOL	1900	U
91-58-7	2-CHLORONAPHTHALENE	390	U
88-74-4	2-NITROANILINE	1900	U
131-11-3	DIMETHYLPHTHALATE	390	U
208-96-8	ACENAPHTHYLENE	390	U
606-20-2	2,6-DINITRITOLUENE	390	U
99-09-2	3-NITROANILINE	1900	U
83-32-9	ACENAPHTHENE	390	U
51-28-5	2,4-DINITROPHENOL	1900	U
100-02-7	4-NITROPHENOL	1900	U
132-64-9	DIBENZOFURAN	390	U
121-14-2	2,4-DINITROTOLUENE	390	U
84-66-2	DIETHYLPHTHALATE	390	U
7005-72-3	4-CHLOROPHENYL-PHENYLETHER	390	U
86-73-7	FLUORENE	390	U
100-10-6	4-NITROANILINE	1900	U
534-52-1	4,6-DINITRO-2-METHYLPHENOL	1900	U
86-30-6	N-NITROSODIPHENYLAMINE (1)	390	U
101-55-3	4-BROMOPHENYL-PHENYLETHER	390	U
118-74-1	HEXACHLOROBENZENE	390	U
87-86-5	PENTACHLOROPHENOL	1900	U
85-01-8	PHENANTHRENE	150	J
120-12-7	ANTHRACENE	390	U
84-74-2	DI-N-BUTYLPHTHALATE	390	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TKCSD01F0002

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG7

Matrix: (soil/water) SOIL Lab Sample ID: P188957

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP03099202

Level: (low/med) LOW Date Received: 02/04/92

% Moisture: not dec. 16 dec. ____ Date Extracted: 02/07/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/09/92

GPC Cleanup: (Y/N) N pH: 7.2 Dilution Factor: 1.00

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND		Q
77-47-4	HEXACHLOROCYCLOPENTADIENE	390	U
88-06-2	2,4,6-TRICHLOROPHENOL	390	U
95-95-4	2,4,5-TRICHLOROPHENOL	1900	U
91-58-7	2-CHLORONAPHTHALENE	390	U
88-74-4	2-NITROANILINE	1900	U
131-11-3	DIMETHYLPHTHALATE	390	U
208-96-8	ACENAPHTHYLENE	390	U
606-20-2	2,6-DINITRITOLUENE	390	U
99-09-2	3-NITROANILINE	1900	U
83-32-9	ACENAPHTHENE	390	U
51-28-5	2,4-DINITROPHENOL	1900	U
100-02-7	4-NITROPHENOL	1900	U
132-64-9	DIBENZOFURAN	390	U
121-14-2	2,4-DINITROTOLUENE	390	U
84-66-2	DIETHYLPHTHALATE	390	U
7005-72-3	4-CHLOROPHENYL-PHENYLETHER	390	U
86-73-7	FLUORENE	390	U
100-10-6	4-NITROANILINE	1900	U
534-52-1	4,6-DINITRO-2-METHYLPHENOL	1900	U
86-30-6	N-NITROSODIPHENYLAMINE (1)	390	U
101-55-3	4-BROMOPHENYL-PHENYLETHER	390	U
118-74-1	HEXACHLOROBENZENE	390	U
87-86-5	PENTACHLOROPHENOL	1900	U
85-01-8	PHENANTHRENE	150	J
120-12-7	ANTHRACENE	390	U
84-74-2	DI-N-BUTYLPHTHALATE	390	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TKCSD01F(

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG7

Matrix: (soil/water) SOIL Lab Sample ID: P188957

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP03099202

Level: (low/med) LOW Date Received: 02/04/92

% Moisture: not dec. 16 dec. ____ Date Extracted: 02/07/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/09/92

GPC Cleanup: (Y/N) N pH: 7.2 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
206-44-0	FLUORANTHENE	180	J
129-00-0	PYRENE	160	J
85-68-7	BUTYLBENZYLPHTHALATE	390	U
91-94-1	3,3'-DICHLOROBENZIDINE	790	U
56-55-3	BENZO(A)ANTHRACENE	68	J
218-01-9	CHRYSENE	69	J
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	390	U
117-84-0	DI-N-OCTYL PHTHALATE	390	U
205-99-2	BENZO(B)FLUORANTHENE	93	J
207-08-9	BENZO(K)FLUORANTHENE	390	U
50-32-8	BENZO(A)PYRENE	390	U
193-39-5	INDENO(1,2,3-CD)PYRENE	390	U
53-70-3	DIBENZO(A,H)ANTHRACENE	390	U
191-24-2	BENZO(G,H,I)PERYLENE	390	U
58-90-2	2,3,4,6-TETRACHLOROPHENOL	390	U
109-06-8	2-PICOLINE	800	U
62-50-0	METHANESULFONIC ACID, ETHYL E	800	U
100-75-4	N-NITROSOPIPERIDINE	800	U
87-65-0	2,6-DICHLOROPHENOL	390	U
924-16-3	NITROSO-DI-N-BUTYLAMINE	390	U
66-27-3	METHANESULFONIC ACID, METHYL	2000	U
98-86-2	ACETOPHENONE	390	U
122-09-8	A,A-DIMETHYLPHENETHYLAMINE	2000	U J
608-93-5	PENTACHLOROBENZENE	390	U
92-67-1	4-AMINOBIPHENYL	390	U
60-11-7	P-DIMETHYLAMINOAZOBENZENE	390	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TKCSD01F(

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG7

Matrix: (soil/water) SOIL Lab Sample ID: P188957

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP03099202

Level: (low/med) LOW Date Received: 02/04/92

% Moisture: not dec. 16 dec. ____ Date Extracted: 02/07/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/09/92

GPC Cleanup: (Y/N) N pH: 7.2 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
206-44-0	FLUORANTHENE	180	J
129-00-0	PYRENE	160	J
85-68-7	BUTYLBENZYLPHTHALATE	390	U
91-94-1	3,3'-DICHLOROBENZIDINE	790	U
56-55-3	BENZO(A)ANTHRACENE	68	J
218-01-9	CHRYSENE	69	J
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	390	U
117-84-0	DI-N-OCTYL PHTHALATE	390	U
205-99-2	BENZO(B)FLUORANTHENE	93	J
207-08-9	BENZO(K)FLUORANTHENE	390	U
50-32-8	BENZO(A)PYRENE	390	U
193-39-5	INDENO(1,2,3-CD)PYRENE	390	U
53-70-3	DIBENZO(A,H)ANTHRACENE	390	U
191-24-2	BENZO(G,H,I)PERYLENE	390	U
58-90-2	2,3,4,6-TETRACHLOROPHENOL	390	U
109-06-8	2-PICOLINE	800	U
62-50-0	METHANESULFONIC ACID, ETHYL E	800	U
100-75-4	N-NITROSOPIPERIDINE	800	U
87-65-0	2,6-DICHLOROPHENOL	390	U
924-16-3	NITROSO-DI-N-BUTYLAMINE	390	U
66-27-3	METHANESULFONIC ACID, METHYL	2000	U
98-86-2	ACETOPHENONE	390	U
122-09-8	A,A-DIMETHYLPHENETHYLAMINE	2000	U
608-93-5	PENTACHLOROBENZENE	390	U
92-67-1	4-AMINOBIPHENYL	390	U
60-11-7	P-DIMETHYLAMINOAZOBENZENE	390	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TKCSD01F0002

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG7

Matrix: (soil/water) SOIL Lab Sample ID: P188957

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP03099202

Level: (low/med) LOW Date Received: 02/04/92

% Moisture: not dec. 16 dec. ____ Date Extracted: 02/07/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/09/92

GPC Cleanup: (Y/N) N pH: 7.2 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
57-97-6	7,12-DIMETHYLBENZ(A)ANTHRACEN	390	U
95-94-3	1,2,4,5-TETRACHLOROBENZENE	390	U
122-39-4	DIPHENYLAMINE	390	U
62-44-2	PHENACETIN	390	U
56-49-5	3-METHYLCHOLANTHRENE	390	U
23950-58-5	PRONAMIDE	390	U
91-59-8	2-NAPHTHALENEAMINE	390	U
106-50-3	P-PHENYLENEDIAMINE	2000	U
120-58-1	ISOSAFROLE	390	U
99-55-8	5-NITRO-O-TOLUIDINE	800	U
56-57-5	4-NITROQUINOLINE 1-OXIDE	~~2000~~	~~U~~ R
91-80-5	METHYAPYRILENE	390	UJ
781-73-7	2-ACETYLAMINOFLUORENE	390	U
10595-95-6	N-NITROSOMETHYLETHYLAMINE	390	UJ
55-18-5	N-NITROSODIETHYLAMINE	390	U
930-55-2	N-NITROSOPYRROLIDINE	800	UJ
59-89-2	N-NITROSOMORPHOLINE	390	UJ
95-53-4	O-TOLUIDINE	390	U
1981-0-0	0,0,0-TRIETHYLPHOSPHOROTHIOAT	2000	U
94-59-7	SAFROLE	390	U
130-15-4	1,4-NAPHTHOQUINONE	390	UJ
99-35-4	SYM-TRINITROBENZENE	2000	U
1888-71-7	HEXACHLOROPROPENE	~~390~~	~~U~~ R
99-65-0	M-DINITROBENZENE	2000	U
612-82-8	3,3'-DIMETHYLBENZIDINE	~~0~~	~~U~~ R
70-30-4	HEXACHLOROPHENE	3900	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TKCSD01F0002

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG7

Matrix: (soil/water) SOIL Lab Sample ID: P188957

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP03099202

Level: (low/med) LOW Date Received: 02/04/92

% Moisture: not dec. 16 dec. ____ Date Extracted: 02/07/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/09/92

GPC Cleanup: (Y/N) N pH: 7.2 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
57-97-6	7,12-DIMETHYLBENZ(A)ANTHRACEN	390	U
95-94-3	1,2,4,5-TETRACHLOROBENZENE	390	U
122-39-4	DIPHENYLAMINE	390	U
62-44-2	PHENACETIN	390	U
56-49-5	3-METHYLCHOLANTHRENE	390	U
23950-58-5	PRONAMIDE	390	U
91-59-8	2-NAPHTHALENEAMINE	390	U
106-50-3	P-PHENYLENEDIAMINE	2000	U
120-58-1	ISOSAFROLE	390	U
99-55-8	5-NITRO-O-TOLUIDINE	800	U
56-57-5	4-NITROQUINOLINE 1-OXIDE	~~2000~~	~~U~~ R
91-80-5	METHYAPYRILENE	390	UJ
781-73-7	2-ACETYLAMINOFLUORENE	390	U
10595-95-6	N-NITROSOMETHYLETHYLAMINE	390	UJ
55-18-5	N-NITROSODIETHYLAMINE	390	U
930-55-2	N-NITROSOPYRROLIDINE	800	UJ
59-89-2	N-NITROSOMORPHOLINE	390	UJ
95-53-4	O-TOLUIDINE	390	U
1981-0-0	0,0,0-TRIETHYLPHOSPHOROTHIOAT	2000	U
94-59-7	SAFROLE	390	U
130-15-4	1,4-NAPHTHOQUINONE	390	UJ
99-35-4	SYM-TRINITROBENZENE	2000	U
1888-71-7	HEXACHLOROPROPENE	~~390~~	~~U~~ R
99-65-0	M-DINITROBENZENE	2000	U
612-82-8	3,3'-DIMETHYLBENZIDINE	~~0~~	~~U~~ R
70-30-4	HEXACHLOROPHENE	3900	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TKCSD01F0

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG7

Matrix: (soil/water) SOIL Lab Sample ID: P188957

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP03099202

Level: (low/med) LOW Date Received: 02/04/92

% Moisture: not dec. 16 dec. ____ Date Extracted: 02/07/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/09/92

GPC Cleanup: (Y/N) N pH: 7.2 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
60-51-5	DIMETHOATE	390	U
2303-16-4	DIALLATE	390	UJ
110-86-1	PYRIDINE	390	U
140-57-8	ARAMITE	2000	UJ
88-85-7	2-SEC-BUTYL-4,6-DINITROPHENOL	390	U
108-39-4	M-CRESOL	390	U
82-68-8	PENTACHLORONITROBENZENE	2000	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TKCSD01F0

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG7

Matrix: (soil/water) SOIL Lab Sample ID: P188957

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ABP03099202

Level: (low/med) LOW Date Received: 02/04/92

% Moisture: not dec. 16 dec. ____ Date Extracted: 02/07/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/09/92

GPC Cleanup: (Y/N) N pH: 7.2 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
60-51-5	DIMETHOATE	390	U
2303-16-4	DIALLATE	390	U
110-86-1	PYRIDINE	390	U
140-57-8	ARAMITE	2000	U
88-85-7	2-SEC-BUTYL-4,6-DINITROPHENOL	390	U
108-39-4	M-CRESOL	390	U
82-68-8	PENTACHLORONITROBENZENE	2000	U

FORM I X-5

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TCCSD06E0002

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS Case No.: TNK SAS No.: _____ SDG No.: PKG7

Matrix: (soil/water) SOIL Lab Sample ID: P189027

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

Level: (low/med) LOW Date Received: 02/05/92

% Moisture: not dec. 22 dec. __ Date Extracted: 02/10/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 02/18/92

GPC Cleanup: (Y/N) N pH: 6.6 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	ALPHA-BHC	10	U
319-85-7	BETA-BHC	10	U
319-86-8	DELTA-BHC	10	U
58-89-9	LINDANE	10	U
76-44-8	HEPTACHLOR	10	U
309-00-2	ALDRIN	10	U
1024-57-3	HEPTACHLOR EPOXIDE	10	U
959-98-8	ENDOSULFAN I	10	U
60-57-1	DIELDRIN	21	U
72-55-9	4,4'-DDE	21	U
72-20-8	ENDRIN	21	U
33213-65-9	ENDOSULFAN II	21	U
72-54-8	4,4'-DDD	21	U
1031-07-8	ENDOSULFAN SULFATE	21	U
50-29-3	4,4'-DDT	21	U
72-43-5	METHOXYCHLOR	100	U
53494-70-5	ENDRIN KETONE	21	U
5103-71-9	ALPHA-CHLORDANE	100	U
5103-74-2	GAMMA-CHLORDANE	100	U
8001-35-2	TOXAPHENE	210	U
12674-11-2	AROCLOR-1016	100	U
11104-28-2	AROCLOR-1221	100	U
11141-16-5	AROCLOR-1232	100	U
53469-21-9	AROCLOR-1242	100	U
12672-29-6	AROCLOR-1248	100	U
11097-69-1	AROCLOR-1254	210	U
11096-82-5	AROCLOR-1260	210	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TCCSD06E0002

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS Case No.: TNK SAS No.: _____ SDG No.: PKG7

Matrix: (soil/water) SOIL Lab Sample ID: P189027

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

Level: (low/med) LOW Date Received: 02/05/92

% Moisture: not dec. 22 dec. __ Date Extracted: 02/10/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 02/18/92

GPC Cleanup: (Y/N) N pH: 6.6 Dilution Factor: 1.00

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND		Q
319-84-6	ALPHA-BHC	10	U
319-85-7	BETA-BHC	10	U
319-86-8	DELTA-BHC	10	U
58-89-9	LINDANE	10	U
76-44-8	HEPTACHLOR	10	U
309-00-2	ALDRIN	10	U
1024-57-3	HEPTACHLOR EPOXIDE	10	U
959-98-8	ENDOSULFAN I	10	U
60-57-1	DIELDRIN	21	U
72-55-9	4,4'-DDE	21	U
72-20-8	ENDRIN	21	U
33213-65-9	ENDOSULFAN II	21	U
72-54-8	4,4'-DDD	21	U
1031-07-8	ENDOSULFAN SULFATE	21	U
50-29-3	4,4'-DDT	21	U
72-43-5	METHOXYCHLOR	100	U
53494-70-5	ENDRIN KETONE	21	U
5103-71-9	ALPHA-CHLORDANE	100	U
5103-74-2	GAMMA-CHLORDANE	100	U
8001-35-2	TOXAPHENE	210	U
12674-11-2	AROCLOR-1016	100	U
11104-28-2	AROCLOR-1221	100	U
11141-16-5	AROCLOR-1232	100	U
53469-21-9	AROCLOR-1242	100	U
12672-29-6	AROCLOR-1248	100	U
11097-69-1	AROCLOR-1254	210	U
11096-82-5	AROCLOR-1260	210	U

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TCCSD15E0002

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS Case No.: TNK SAS No.: _____ SDG No.: PKG7

Matrix: (soil/water) SOIL Lab Sample ID: P189030

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

Level: (low/med) LOW Date Received: 02/05/92

% Moisture: not dec. 28 dec. __ Date Extracted: 02/10/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 02/18/92

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	ALPHA-BHC	11	U
319-85-7	BETA-BHC	11	U
319-86-8	DELTA-BHC	11	U
58-89-9	LINDANE	11	U
76-44-8	HEPTACHLOR	11	U
309-00-2	ALDRIN	11	U
1024-57-3	HEPTACHLOR EPOXIDE	11	U
959-98-8	ENDOSULFAN I	11	U
60-57-1	DIELDRIN	22	U
72-55-9	4,4'-DDE	22	U
72-20-8	ENDRIN	22	U
33213-65-9	ENDOSULFAN II	22	U
72-54-8	4,4'-DDD	18	
1031-07-8	ENDOSULFAN SULFATE	22	U
50-29-3	4,4'-DDT	22	U
72-43-5	METHOXYCHLOR	110	U
53494-70-5	ENDRIN KETONE	22	U
5103-71-9	ALPHA-CHLORDANE	110	U
5103-74-2	GAMMA-CHLORDANE	110	U
8001-35-2	TOXAPHENE	220	U
12674-11-2	AROCLOR-1016	110	U
11104-28-2	AROCLOR-1221	110	U
11141-16-5	AROCLOR-1232	110	U
53469-21-9	AROCLOR-1242	110	U
12672-29-6	AROCLOR-1248	110	U
11097-69-1	AROCLOR-1254	220	U
11096-82-5	AROCLOR-1260	220	U

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TCCSD15E0002

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS Case No.: TNK SAS No.: _____ SDG No.: PKG7

Matrix: (soil/water) SOIL Lab Sample ID: P189030

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

Level: (low/med) LOW Date Received: 02/05/92

% Moisture: not dec. 28 dec. __ Date Extracted: 02/10/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 02/18/92

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	ALPHA-BHC	11	U
319-85-7	BETA-BHC	11	U
319-86-8	DELTA-BHC	11	U
58-89-9	LINDANE	11	U
76-44-8	HEPTACHLOR	11	U
309-00-2	ALDRIN	11	U
1024-57-3	HEPTACHLOR EPOXIDE	11	U
959-98-8	ENDOSULFAN I	11	U
60-57-1	DIELDRIN	22	U
72-55-9	4,4'-DDE	22	U
72-20-8	ENDRIN	22	U
33213-65-9	ENDOSULFAN II	22	U
72-54-8	4,4'-DDD	18	
1031-07-8	ENDOSULFAN SULFATE	22	U
50-29-3	4,4'-DDT	22	U
72-43-5	METHOXYCHLOR	110	U
53494-70-5	ENDRIN KETONE	22	U
5103-71-9	ALPHA-CHLORDANE	110	U
5103-74-2	GAMMA-CHLORDANE	110	U
8001-35-2	TOXAPHENE	220	U
12674-11-2	AROCLOR-1016	110	U
11104-28-2	AROCLOR-1221	110	U
11141-16-5	AROCLOR-1232	110	U
53469-21-9	AROCLOR-1242	110	U
12672-29-6	AROCLOR-1248	110	U
11097-69-1	AROCLOR-1254	220	U
11096-82-5	AROCLOR-1260	220	U

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TECSD22E0002

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS Case No.: TNK SAS No.: _____ SDG No.: PKG7

Matrix: (soil/water) SOIL Lab Sample ID: P189218

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

Level: (low/med) LOW Date Received: 02/08/92

% Moisture: not dec. 25 dec. __ Date Extracted: 02/12/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 02/18/92

GPC Cleanup: (Y/N) N pH: 7.7 Dilution Factor: 1.00

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND		Q
319-84-6	ALPHA-BHC	11	U
319-85-7	BETA-BHC	11	U
319-86-8	DELTA-BHC	11	U
58-89-9	LINDANE	11	U
76-44-8	HEPTACHLOR	11	U
309-00-2	ALDRIN	11	U
1024-57-3	HEPTACHLOR EPOXIDE	11	U
959-98-8	ENDOSULFAN I	11	U
60-57-1	DIELDRIN	21	U
72-55-9	4,4'-DDE	21	U
72-20-8	ENDRIN	21	U
33213-65-9	ENDOSULFAN II	21	U
72-54-8	4,4'-DDD	21	U
1031-07-8	ENDOSULFAN SULFATE	21	U
50-29-3	4,4'-DDT	21	U
72-43-5	METHOXYCHLOR	110	U
53494-70-5	ENDRIN KETONE	21	U
5103-71-9	ALPHA-CHLORDANE	110	U
5103-74-2	GAMMA-CHLORDANE	110	U
8001-35-2	TOXAPHENE	210	U
12674-11-2	AROCLOR-1016	110	U
11104-28-2	AROCLOR-1221	110	U
11141-16-5	AROCLOR-1232	110	U
53469-21-9	AROCLOR-1242	110	U
12672-29-6	AROCLOR-1248	110	U
11097-69-1	AROCLOR-1254	210	U
11096-82-5	AROCLOR-1260	210	U

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TECSD22E0002

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS Case No.: TNK SAS No.: _____ SDG No.: PKG7

Matrix: (soil/water) SOIL Lab Sample ID: P189218

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

Level: (low/med) LOW Date Received: 02/08/92

% Moisture: not dec. 25 dec. __ Date Extracted: 02/12/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 02/18/92

GPC Cleanup: (Y/N) N pH: 7.7 Dilution Factor: 1.00

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND		Q
319-84-6	ALPHA-BHC	11	U
319-85-7	BETA-BHC	11	U
319-86-8	DELTA-BHC	11	U
58-89-9	LINDANE	11	U
76-44-8	HEPTACHLOR	11	U
309-00-2	ALDRIN	11	U
1024-57-3	HEPTACHLOR EPOXIDE	11	U
959-98-8	ENDOSULFAN I	11	U
60-57-1	DIELDRIN	21	U
72-55-9	4,4'-DDE	21	U
72-20-8	ENDRIN	21	U
33213-65-9	ENDOSULFAN II	21	U
72-54-8	4,4'-DDD	21	U
1031-07-8	ENDOSULFAN SULFATE	21	U
50-29-3	4,4'-DDT	21	U
72-43-5	METHOXYCHLOR	110	U
53494-70-5	ENDRIN KETONE	21	U
5103-71-9	ALPHA-CHLORDANE	110	U
5103-74-2	GAMMA-CHLORDANE	110	U
8001-35-2	TOXAPHENE	210	U
12674-11-2	AROCLOR-1016	110	U
11104-28-2	AROCLOR-1221	110	U
11141-16-5	AROCLOR-1232	110	U
53469-21-9	AROCLOR-1242	110	U
12672-29-6	AROCLOR-1248	110	U
11097-69-1	AROCLOR-1254	210	U
11096-82-5	AROCLOR-1260	210	U

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TECSD24E(

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS Case No.: TNK SAS No.: _____ SDG No.: PKG7

Matrix: (soil/water) SOIL Lab Sample ID: P189225

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

Level: (low/med) LOW Date Received: 02/08/92

% Moisture: not dec. 35 dec. __ Date Extracted: 02/12/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 02/18/92

GPC Cleanup: (Y/N) N pH: 7.3 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	ALPHA-BHC	12	U
319-85-7	BETA-BHC	12	U
319-86-8	DELTA-BHC	12	U
58-89-9	LINDANE	12	U
76-44-8	HEPTACHLOR	12	U
309-00-2	ALDRIN	12	U
1024-57-3	HEPTACHLOR EPOXIDE	12	U
959-98-8	ENDOSULFAN I	12	U
60-57-1	DIELDRIN	25	U
72-55-9	4,4'-DDE	25	U
72-20-8	ENDRIN	25	U
33213-65-9	ENDOSULFAN II	25	U
72-54-8	4,4'-DDD	25	U
1031-07-8	ENDOSULFAN SULFATE	25	U
50-29-3	4,4'-DDT	25	U
72-43-5	METHOXYCHLOR	120	U
53494-70-5	ENDRIN KETONE	25	U
5103-71-9	ALPHA-CHLORDANE	120	U
5103-74-2	GAMMA-CHLORDANE	120	U
8001-35-2	TOXAPHENE	250	U
12674-11-2	AROCLOR-1016	120	U
11104-28-2	AROCLOR-1221	120	U
11141-16-5	AROCLOR-1232	120	U
53469-21-9	AROCLOR-1242	120	U
12672-29-6	AROCLOR-1248	120	U
11097-69-1	AROCLOR-1254	250	U
11096-82-5	AROCLOR-1260	250	U

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TECSD24E(

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS Case No.: TNK SAS No.: _____ SDG No.: PKG7

Matrix: (soil/water) SOIL Lab Sample ID: P189225

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

Level: (low/med) LOW Date Received: 02/08/92

% Moisture: not dec. 35 dec. __ Date Extracted: 02/12/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 02/18/92

GPC Cleanup: (Y/N) N pH: 7.3 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	ALPHA-BHC	12	U
319-85-7	BETA-BHC	12	U
319-86-8	DELTA-BHC	12	U
58-89-9	LINDANE	12	U
76-44-8	HEPTACHLOR	12	U
309-00-2	ALDRIN	12	U
1024-57-3	HEPTACHLOR EPOXIDE	12	U
959-98-8	ENDOSULFAN I	12	U
60-57-1	DIELDRIN	25	U
72-55-9	4,4'-DDE	25	U
72-20-8	ENDRIN	25	U
33213-65-9	ENDOSULFAN II	25	U
72-54-8	4,4'-DDD	25	U
1031-07-8	ENDOSULFAN SULFATE	25	U
50-29-3	4,4'-DDT	25	U
72-43-5	METHOXYCHLOR	120	U
53494-70-5	ENDRIN KETONE	25	U
5103-71-9	ALPHA-CHLORDANE	120	U
5103-74-2	GAMMA-CHLORDANE	120	U
8001-35-2	TOXAPHENE	250	U
12674-11-2	AROCLOR-1016	120	U
11104-28-2	AROCLOR-1221	120	U
11141-16-5	AROCLOR-1232	120	U
53469-21-9	AROCLOR-1242	120	U
12672-29-6	AROCLOR-1248	120	U
11097-69-1	AROCLOR-1254	250	U
11096-82-5	AROCLOR-1260	250	U

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TCCSDB1E0002

b Name: NUS-LSG Contract: _____

Lab Code: NUS Case No.: TNK SAS No.: _____ SDG No.: PKG7

Matrix: (soil/water) SOIL Lab Sample ID: P189228

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

Level: (low/med) LOW Date Received: 02/08/92

% Moisture: not dec. 28 dec. __ Date Extracted: 02/12/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 02/18/92

GPC Cleanup: (Y/N) N pH: 7.3 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	ALPHA-BHC	11	U
319-85-7	BETA-BHC	11	U
319-86-8	DELTA-BHC	11	U
58-89-9	LINDANE	11	U
76-44-8	HEPTACHLOR	11	U
309-00-2	ALDRIN	11	U
1024-57-3	HEPTACHLOR EPOXIDE	11	U
959-98-8	ENDOSULFAN I	11	U
60-57-1	DIELDRIN	22	U
72-55-9	4,4'-DDE	22	U
72-20-8	ENDRIN	22	U
33213-65-9	ENDOSULFAN II	22	U
72-54-8	4,4'-DDD	22	U
1031-07-8	ENDOSULFAN SULFATE	22	U
50-29-3	4,4'-DDT	22	U
72-43-5	METHOXYCHLOR	110	U
53494-70-5	ENDRIN KETONE	22	U
5103-71-9	ALPHA-CHLORDANE	110	U
5103-74-2	GAMMA-CHLORDANE	110	U
8001-35-2	TOXAPHENE	220	U
12674-11-2	AROCLOR-1016	110	U
11104-28-2	AROCLOR-1221	110	U
11141-16-5	AROCLOR-1232	110	U
53469-21-9	AROCLOR-1242	110	U
12672-29-6	AROCLOR-1248	110	U
11097-69-1	AROCLOR-1254	220	U
11096-82-5	AROCLOR-1260	220	U

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TCCSDB1E0002

b Name: NUS-LSG Contract: _____

Lab Code: NUS Case No.: TNK SAS No.: _____ SDG No.: PKG7

Matrix: (soil/water) SOIL Lab Sample ID: P189228

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

Level: (low/med) LOW Date Received: 02/08/92

% Moisture: not dec. 28 dec. __ Date Extracted: 02/12/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 02/18/92

GPC Cleanup: (Y/N) N pH: 7.3 Dilution Factor: 1.00

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND		Q
319-84-6	ALPHA-BHC	11	U
319-85-7	BETA-BHC	11	U
319-86-8	DELTA-BHC	11	U
58-89-9	LINDANE	11	U
76-44-8	HEPTACHLOR	11	U
309-00-2	ALDRIN	11	U
1024-57-3	HEPTACHLOR EPOXIDE	11	U
959-98-8	ENDOSULFAN I	11	U
60-57-1	DIELDRIN	22	U
72-55-9	4,4'-DDE	22	U
72-20-8	ENDRIN	22	U
33213-65-9	ENDOSULFAN II	22	U
72-54-8	4,4'-DDD	22	U
1031-07-8	ENDOSULFAN SULFATE	22	U
50-29-3	4,4'-DDT	22	U
72-43-5	METHOXYCHLOR	110	U
53494-70-5	ENDRIN KETONE	22	U
5103-71-9	ALPHA-CHLORDANE	110	U
5103-74-2	GAMMA-CHLORDANE	110	U
8001-35-2	TOXAPHENE	220	U
12674-11-2	AROCLOR-1016	110	U
11104-28-2	AROCLOR-1221	110	U
11141-16-5	AROCLOR-1232	110	U
53469-21-9	AROCLOR-1242	110	U
12672-29-6	AROCLOR-1248	110	U
11097-69-1	AROCLOR-1254	220	U
11096-82-5	AROCLOR-1260	220	U

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TCCSDB2E0

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS Case No.: TNK SAS No.: _____ SDG No.: PKG7

Matrix: (soil/water) SOIL Lab Sample ID: P189223

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

Level: (low/med) LOW Date Received: 02/08/92

% Moisture: not dec. 19 dec. __ Date Extracted: 02/12/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 02/18/92

GPC Cleanup: (Y/N) N pH: 7.9 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	ALPHA-BHC	9.9	U
319-85-7	BETA-BHC	9.9	U
319-86-8	DELTA-BHC	9.9	U
58-89-9	LINDANE	9.9	U
76-44-8	HEPTACHLOR	9.9	U
309-00-2	ALDRIN	9.9	U
1024-57-3	HEPTACHLOR EPOXIDE	9.9	U
959-98-8	ENDOSULFAN I	9.9	U
60-57-1	DIELDRIN	20	U
72-55-9	4,4'-DDE	20	U
72-20-8	ENDRIN	20	U
33213-65-9	ENDOSULFAN II	20	U
72-54-8	4,4'-DDD	20	U
1031-07-8	ENDOSULFAN SULFATE	20	U
50-29-3	4,4'-DDT	20	U
72-43-5	METHOXYCHLOR	99	U
53494-70-5	ENDRIN KETONE	20	U
5103-71-9	ALPHA-CHLORDANE	99	U
5103-74-2	GAMMA-CHLORDANE	99	U
8001-35-2	TOXAPHENE	200	U
12674-11-2	AROCLOR-1016	99	U
11104-28-2	AROCLOR-1221	99	U
11141-16-5	AROCLOR-1232	99	U
53469-21-9	AROCLOR-1242	99	U
12672-29-6	AROCLOR-1248	99	U
11097-69-1	AROCLOR-1254	200	U
11096-82-5	AROCLOR-1260	200	U

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TCCSDB2E0

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS Case No.: TNK SAS No.: _____ SDG No.: PKG7

Matrix: (soil/water) SOIL Lab Sample ID: P189223

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

Level: (low/med) LOW Date Received: 02/08/92

% Moisture: not dec. 19 dec. __ Date Extracted: 02/12/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 02/18/92

GPC Cleanup: (Y/N) N pH: 7.9 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	ALPHA-BHC	9.9	U
319-85-7	BETA-BHC	9.9	U
319-86-8	DELTA-BHC	9.9	U
58-89-9	LINDANE	9.9	U
76-44-8	HEPTACHLOR	9.9	U
309-00-2	ALDRIN	9.9	U
1024-57-3	HEPTACHLOR EPOXIDE	9.9	U
959-98-8	ENDOSULFAN I	9.9	U
60-57-1	DIELDRIN	20	U
72-55-9	4,4'-DDE	20	U
72-20-8	ENDRIN	20	U
33213-65-9	ENDOSULFAN II	20	U
72-54-8	4,4'-DDD	20	U
1031-07-8	ENDOSULFAN SULFATE	20	U
50-29-3	4,4'-DDT	20	U
72-43-5	METHOXYCHLOR	99	U
53494-70-5	ENDRIN KETONE	20	U
5103-71-9	ALPHA-CHLORDANE	99	U
5103-74-2	GAMMA-CHLORDANE	99	U
8001-35-2	TOXAPHENE	200	U
12674-11-2	AROCLOR-1016	99	U
11104-28-2	AROCLOR-1221	99	U
11141-16-5	AROCLOR-1232	99	U
53469-21-9	AROCLOR-1242	99	U
12672-29-6	AROCLOR-1248	99	U
11097-69-1	AROCLOR-1254	200	U
11096-82-5	AROCLOR-1260	200	U

E-15

CONTAMINANT INDICATOR COMPOUNDS IN SEDIMENT - FEBRUARY 1992

E-15

CONTAMINANT INDICATOR COMPOUNDS IN SEDIMENT - FEBRUARY 1992

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CLIENT ORIGINAL

HALLIBURTON NUS
Environmental Laboratories

5350 Campbells Run Road
Pittsburgh, PA 15205
800-228-6870

6751-L Engle Road
Cleveland, OH 44130
216-891-4700

March 20, 1992
Report No.: 00006553
Section A Page 1

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

pkg 7

Carbon Copy:

SAMPLE ID: TKC-SD01-E-0002 FIELD DUP. OF TKC-SD01-F-0002
NUS SAMPLE NO: P0188955
P.O. NO.:

DATE SAMPLED: 04-FEB-92
DATE RECEIVED: 06-FEB-92
APPROVED BY: R Volk

LN	TEST CODE	DETERMINATION	RESULT	UNIT
1	ACLPS	TAL METALS & CLP DATA PACKAGE	DONE	
7	I390S	Nitrate (as N)	4.0 J	mg/kg
9	I490S	Non-aqueous sample pH in Water		
		pH (in soil)	7.2	
12	I107S	Carbon, Total Organic (C)	240 J	mg/kg
13	OSVIXS	APPENDIX IX SEMIVOLATILES IN SOIL		
		Data Package - BNA	DONE	
15	G120SC	PESTICIDES/PCBS - CLP DATA PACKAGE - SOIL		
		Data Package - Pesticides/PCBs	DONE	
18	I265SC	CLP - Cyanide (CN)	0.670 u	mg/kg
20	DPACK	CLP Data Package Deliverable	DONE	
22	I023S	Alkalinity, Total (as CaCO3)	81 J	mg/kg
23	I315S	Halogens, Total Organic (EOX)	44 J	mg/kg
24	I80C	CLP - percent moisture	24.6	%

COMMENTS: Results (except cyanide) are not adjusted for percent moisture.

CLIENT ORIGINAL

HALLIBURTON NUS
Environmental Laboratories

5350 Campbells Run Road
Pittsburgh, PA 15205
800-228-6870

6751-L Engle Road
Cleveland, OH 44130
216-891-4700

March 20, 1992
Report No.: 00006553
Section A Page 1

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

pkg 7

Carbon Copy:

SAMPLE ID: TKC-SD01-E-0002 FIELD DUP. OF TKC-SD01-F-0002
NUS SAMPLE NO: P0188995
P.O. NO.:

DATE SAMPLED: 04-FEB-92
DATE RECEIVED: 06-FEB-92
APPROVED BY: R Volk

LN	TEST CODE	DETERMINATION	RESULT	UNIT
1	ACLPS	TAL METALS & CLP DATA PACKAGE	DONE	
7	I390S	Nitrate (as N)	4.0 J	mg/kg
9	I490S	Non-aqueous sample pH in Water		
		pH (in soil)	7.2	
12	I107S	Carbon, Total Organic (C)	240 J	mg/kg
13	OSVIXS	APPENDIX IX SEMIVOLATILES IN SOIL		
		Data Package - BNA	DONE	
15	G120SC	PESTICIDES/PCBS - CLP DATA PACKAGE - SOIL		
		Data Package - Pesticides/PCBs	DONE	
18	I265SC	CLP - Cyanide (CN)	0.670 u	mg/kg
20	DPACK	CLP Data Package Deliverable	DONE	
22	I023S	Alkalinity, Total (as CaCO3)	81 J	mg/kg
23	I315S	Halogens, Total Organic (EOX)	44 J	mg/kg
24	I80C	CLP - percent moisture	24.6	%

COMMENTS: Results (except cyanide) are not adjusted for percent moisture.

CLIENT ORIGINAL

HALLIBURTON NUS
Environmental Laboratories

5350 Campbells Run Road
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800-228-6870

6751-L Engle Road
Cleveland, OH 44130
216-891-4700

March 20, 1992
Report No.: 00006553
Section A Page 2

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

Carbon Copy:

Pkg 7

SAMPLE ID: TKC-SD01-E-0002 FIELD DUP. OF TKC-SD01-E-0002
NUS SAMPLE NO: P0188957
P.O. NO.:

DATE SAMPLED: 04-FEB-92
DATE RECEIVED: 06-FEB-92
APPROVED BY: R Volk

LN	TEST CODE	DETERMINATION	RESULT	UNITS
1	ACLPS	TAL METALS & CLP DATA PACKAGE	DONE	
7	I390S	Nitrate (as N)	1.8 J	mg/kg
9	I490S	Non-aqueous sample pH in Water		
		pH (in soil)	7.4	
12	I107S	Carbon, Total Organic (C)	1700 J	mg/kg
13	OSVIXS	APPENDIX IX SEMIVOLATILES IN SOIL		
		Data Package - BNA	DONE	
15	G120SC	PESTICIDES/PCBS + CLP DATA PACKAGE - SOIL		
		Data Package - Pesticides/PCBs	DONE	
18	I265SC	CLP - Cyanide (CN)	0.595 u	mg/kg
20	DPACK	CLP Data Package Deliverable	DONE	
22	IC23S	Alkalinity, Total (as CaCO3)	< 5 UJ	mg/kg
23	I315S	Halogens, Total Organic (EOX)	26 J	mg/kg
24	I800	CLP - percent moisture	15.9	%

COMMENTS: ** The result for moisture is the average of 2 results, due to poor duplication. Matrix interference is suspected.
Results (except cyanide) are not adjusted for percent moisture.

CLIENT ORIGINAL

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Environmental Laboratories

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Cleveland, OH 44130
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March 20, 1992
Report No.: 00006553
Section A Page 2

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

Carbon Copy:

Pkg 7

SAMPLE ID: TKC-SD01-E-0002 FIELD DUP. OF TKC-SD01-E-0002
NUS SAMPLE NO: P0188957
P.O. NO.:

DATE SAMPLED: 04-FEB-92
DATE RECEIVED: 06-FEB-92
APPROVED BY: R Volk

LN	TEST CODE	DETERMINATION	RESULT	UNITS
1	ACLPS	TAL METALS & CLP DATA PACKAGE	DONE	
7	I390S	Nitrate (as N)	1.8 J	mg/kg
9	I490S	Non-aqueous sample pH in Water		
		pH (in soil)	7.4	
12	I107S	Carbon, Total Organic (C)	1700 J	mg/kg
13	OSVIXS	APPENDIX IX SEMIVOLATILES IN SOIL		
		Data Package - BNA	DONE	
15	G120SC	PESTICIDES/PCBS + CLP DATA PACKAGE - SOIL		
		Data Package - Pesticides/PCBs	DONE	
18	I265SC	CLP - Cyanide (CN)	0.595 u	mg/kg
20	DPACK	CLP Data Package Deliverable	DONE	
22	IC23S	Alkalinity, Total (as CaCO3)	< 5 UJ	mg/kg
23	I315S	Halogens, Total Organic (EOX)	26 J	mg/kg
24	I800	CLP - percent moisture	15.9	%

COMMENTS: ** The result for moisture is the average of 2 results, due to poor duplication. Matrix interference is suspected.
Results (except cyanide) are not adjusted for percent moisture.

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March 19, 1992
Report No.: 00006493
Section A Page 4

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

Carbon Copy:

SAMPLE ID: TKC-SD03-E-0002
NUS SAMPLE NO: P0189152
P.O. NO.:

DATE SAMPLED: 06-FEB-92
DATE RECEIVED: 10-FEB-92
APPROVED BY: J Simanic

ypkg 7

LN	TEST CODE	DETERMINATION	RESULT	UNITS
7	I390S	Nitrate (as N)	2.2	mg/kg
9	I490S	Non-aqueous sample pH in Water		
		pH (in soil)	7.4	
12	I107S	Carbon, Total Organic (C)	2100 J	mg/kg
22	I023S	Alkalinity, Total (as CaCO3)	180	mg/kg
23	I315S	Halogens, Total Organic (EOX)	< 20 UJ	mg/kg
24	I620S	Percent Solids at 103C	76.9	%

COMMENTS: Results are not corrected for percent moisture.

CLIENT ORIGINAL

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216-891-4700

March 19, 1992
Report No.: 00006493
Section A Page 4

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

Carbon Copy:

SAMPLE ID: TKC-SD03-E-0002
NUS SAMPLE NO: P0189152
P.O. NO.:

DATE SAMPLED: 06-FEB-92
DATE RECEIVED: 10-FEB-92
APPROVED BY: J Simanic

ypkg 7

LN	TEST CODE	DETERMINATION	RESULT	UNITS
7	I390S	Nitrate (as N)	2.2	mg/kg
9	I490S	Non-aqueous sample pH in Water		
		pH (in soil)	7.4	
12	I107S	Carbon, Total Organic (C)	2100 J	mg/kg
22	I023S	Alkalinity, Total (as CaCO3)	180	mg/kg
23	I315S	Halogens, Total Organic (EOX)	< 20 UJ	mg/kg
24	I620S	Percent Solids at 103C	76.9	%

COMMENTS: Results are not corrected for percent moisture.

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March 19, 1992
Report No.: 00006493
Section A Page 6

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

Carbon Copy:

SAMPLE ID: TKC-SD05-E-0002
NUS SAMPLE NO: P0189154
P.O. NO.:

FIELD DUPLICATE OF TKC-SD05-F-0002

DATE SAMPLED: 06-FEB-92
DATE RECEIVED: 10-FEB-92
APPROVED BY: R Volk

pkg 7

LN	TEST CODE	DETERMINATION	RESULT	UNITS
1	ACLPS	TAL METALS & CLP DATA PACKAGE	DONE	
7	I390S	Nitrate (as N)	NSQ	
9	I490S	Non-aqueous sample pH in Water		
		pH (in soil)	7.4	
12	I107S	Carbon, Total Organic (C)	NSQ	
13	OSVIXS	APPENDIX IX SEMIVOLATILES IN SOIL		
		Data Package - BNA	DONE	
20	DPACK	CLP Data Package Deliverable	DONE	
22	I023S	Alkalinity, Total (as CaCO3)	NSQ	
23	I315S	Halogens, Total Organic (EOX)	NSQ	
24	I800	CLP - percent moisture	13.0	%

COMMENTS: NSQ = Not Sufficient Quantity

CLIENT ORIGINAL

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March 19, 1992
Report No.: 00006493
Section A Page 6

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

Carbon Copy:

SAMPLE ID: TKC-SD05-E-0002
NUS SAMPLE NO: P0189154
P.O. NO.:

FIELD DUPLICATE OF TKC-SD05-F-0002

DATE SAMPLED: 06-FEB-92
DATE RECEIVED: 10-FEB-92
APPROVED BY: R Volk

pkg 7

LN	TEST CODE	DETERMINATION	RESULT	UNITS
1	ACLPS	TAL METALS & CLP DATA PACKAGE	DONE	
7	I390S	Nitrate (as N)	NSQ	
9	I490S	Non-aqueous sample pH in Water		
		pH (in soil)	7.4	
12	I107S	Carbon, Total Organic (C)	NSQ	
13	OSVIXS	APPENDIX IX SEMIVOLATILES IN SOIL		
		Data Package - BNA	DONE	
20	DPACK	CLP Data Package Deliverable	DONE	
22	I023S	Alkalinity, Total (as CaCO3)	NSQ	
23	I315S	Halogens, Total Organic (EOX)	NSQ	
24	I800	CLP - percent moisture	13.0	%

COMMENTS: NSQ = Not Sufficient Quantity

CLIENT ORIGINAL

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March 19, 1992
Report No.: 00006493
Section A Page 7

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

Carbon Copy:

SAMPLE ID: TKC-SD05-F-0002 FIELD DUP. OF TKC-SD05-E-0002
NUS SAMPLE NO: P0189155
P.O. NO.:

DATE SAMPLED: 06-FEB-92
DATE RECEIVED: 10-FEB-92
APPROVED BY: J Simanic

ydlg7

LN	TEST CODE	DETERMINATION	RESULT	UNITS
7	I390S	Nitrate (as N)	1.1	mg/kg
9	I490S	Non-aqueous sample pH in Water		
		pH (in soil)	7.4	
12	I107S	Carbon, Total Organic (C)	2400 ** J	mg/kg
22	I023S	Alkalinity, Total (as CaCO3)	140	mg/kg
23	I315S	Halogens, Total Organic (EOX)	< 20 UJ	mg/kg
24	I620S	Percent Solids at 103C	88.2	%

COMMENTS: ** The result for TOC is the average of two results. There was poor duplication between these results. matrix interfernce is suspected.

Results are not corrected for percent moisture.

CLIENT ORIGINAL

HALLIBURTON NUS
Environmental Laboratories

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March 19, 1992
Report No.: 00006493
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LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

Carbon Copy:

SAMPLE ID: TKC-SD05-F-0002 FIELD DUP. OF TKC-SD05-E-0002
NUS SAMPLE NO: P0189155
P.O. NO.:

DATE SAMPLED: 06-FEB-92
DATE RECEIVED: 10-FEB-92
APPROVED BY: J Simanic

LN	TEST CODE	DETERMINATION	RESULT	UNITS
7	I390S	Nitrate (as N)	1.1	mg/kg
9	I490S	Non-aqueous sample pH in Water		
		pH (in soil)	7.4	
12	I107S	Carbon, Total Organic (C)	2400 ** J	mg/kg
22	I023S	Alkalinity, Total (as CaCO3)	140	mg/kg
23	I315S	Halogens, Total Organic (EOX)	< 20 UJ	mg/kg
24	I620S	Percent Solids at 103C	88.2	%

COMMENTS: ** The result for TOC is the average of two results. There was poor duplication between these results. matrix interfernce is suspected.

Results are not corrected for percent moisture.

CLIENT ORIGINAL

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March 20, 1992
Report No.: 00006553
Section A Page 3

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

Carbon Copy:

SAMPLE ID: TCC-SD06-E-0002
NUS SAMPLE NO: P0189027
P.O. NO.:

DATE SAMPLED: 05-FEB-92
DATE RECEIVED: 07-FEB-92
APPROVED BY: R Volk

pkg7

LN	TEST CODE	DETERMINATION	RESULT	UNITS
1	ACLPS	TAL METALS & CLP DATA PACKAGE	DONE	
7	I390S	Nitrate (as N)	1.2	mg/kg
9	I490S	Non-aqueous sample pH in Water		
		pH (in soil)	6.6	
12	I107S	Carbon, Total Organic (C)	1200 J	mg/kg
13	OSVIXS	APPENDIX IX SEMIVOLATILES IN SOIL		
		Data Package - BNA	DONE	
15	G120SC	PESTICIDES/PCBS + CLP DATA PACKAGE - SOIL		
		Data Package - Pesticides/PCBs	DONE	
18	I265SC	CLP - Cyanide (CN)	0.637 u	mg/kg
20	DPACK	CLP Data Package Deliverable	DONE	
22	I023S	Alkalinity, Total (as CaCO3)	< 5	mg/kg
23	I315S	Halogens, Total Organic (EOX)	< 20 UJ	mg/kg
24	I800	CLP - percent moisture	21.5	%

COMMENTS: Results (except cyanide) are not adjusted for percent moisture.

CLIENT ORIGINAL

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March 20, 1992
Report No.: 00006553
Section A Page 3

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

Carbon Copy:

SAMPLE ID: TCC-SD06-E-0002
NUS SAMPLE NO: P0189027
P.O. NO.:

DATE SAMPLED: 05-FEB-92
DATE RECEIVED: 07-FEB-92
APPROVED BY: R Volk

pkg 7

LN	TEST CODE	DETERMINATION	RESULT	UNITS
1	ACLPS	TAL METALS & CLP DATA PACKAGE	DONE	
7	I390S	Nitrate (as N)	1.2	mg/kg
9	I490S	Non-aqueous sample pH in Water		
		pH (in soil)	6.6	
12	I107S	Carbon, Total Organic (C)	1200 J	mg/kg
13	OSVIXS	APPENDIX IX SEMIVOLATILES IN SOIL		
		Data Package - BNA	DONE	
15	G120SC	PESTICIDES/PCBS + CLP DATA PACKAGE - SOIL		
		Data Package - Pesticides/PCBs	DONE	
18	I265SC	CLP - Cyanide (CN)	0.637 u	mg/kg
20	DPACK	CLP Data Package Deliverable	DONE	
22	I023S	Alkalinity, Total (as CaCO3)	< 5	mg/kg
23	I315S	Halogens, Total Organic (EOX)	< 20 UJ	mg/kg
24	I800	CLP - percent moisture	21.5	%

COMMENTS: Results (except cyanide) are not adjusted for percent moisture.

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March 19, 1992
Report No.: 00006492
Section A Page 3

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

Carbon Copy:

SAMPLE ID: TCC-SD06-E-0002
NUS SAMPLE NO: P0189028
P.O. NO.:

DATE SAMPLED: 05-FEB-92
DATE RECEIVED: 07-FEB-92
APPROVED BY: R Volk

pkg 7

LN	TEST CODE	DETERMINATION	RESULT	UNITS
25	T45	Grain Size - Sieve & Hydrometer		
		c. 1.0 inch	100.0	% Passed
		d. 3/4 inch	97.5	% Passed
		e. 1/2 inch	93.7	% Passed
		f. 3/8 inch	89.3	% Passed
		g. Sieve No. 4	72.5	% Passed
		h. Sieve No. 10	57.6	% Passed
		i. Sieve No. 20	42.8	% Passed
		j. Sieve No. 40	23.0	% Passed
		k. Sieve No. 60	15.1	% Passed
		l. Sieve No. 140	11.1	% Passed
		m. Sieve No. 200	10.1	% Passed
		n. Particle Size .023mm	5.9	% Passed
		o. Particle Size .007mm	5.4	% Passed
		p. Particle Size .001mm	3.7	% Passed
26	DPACK	CLP Data Package Deliverable	DONE	

COMMENTS:

CLIENT ORIGINAL

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March 19, 1992
Report No.: 00006492
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LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

Carbon Copy:

SAMPLE ID: TCC-SD06-E-0002
NUS SAMPLE NO: P0189028
P.O. NO.:

DATE SAMPLED: 05-FEB-92
DATE RECEIVED: 07-FEB-92
APPROVED BY: R Volk

pg 7

LN	TEST CODE	DETERMINATION	RESULT	UNITS
25	T45	Grain Size - Sieve & Hydrometer		
		c. 1.0 inch	100.0	% Passed
		d. 3/4 inch	97.5	% Passed
		e. 1/2 inch	93.7	% Passed
		f. 3/8 inch	89.3	% Passed
		g. Sieve No. 4	72.5	% Passed
		h. Sieve No. 10	57.6	% Passed
		i. Sieve No. 20	42.8	% Passed
		j. Sieve No. 40	23.0	% Passed
		k. Sieve No. 60	15.1	% Passed
		l. Sieve No. 140	11.1	% Passed
		m. Sieve No. 200	10.1	% Passed
		n. Particle Size .023mm	5.9	% Passed
		o. Particle Size .007mm	5.4	% Passed
		p. Particle Size .001mm	3.7	% Passed
26	DPACK	CLP Data Package Deliverable	DONE	

COMMENTS:

CLIENT ORIGINAL

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March 19, 1992
Report No.: 00006493
Section A Page 3

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

Carbon Copy:

SAMPLE ID: TCC-SD11-E-0002
NUS SAMPLE NO: P0189151
P.O. NO.:

DATE SAMPLED: 06-FEB-92
DATE RECEIVED: 10-FEB-92
APPROVED BY: J Simanic

pkg 7

LN	TEST CODE	DETERMINATION	RESULT	UNITS
7	I390S	Nitrate (as N)	1.1	mg/kg
9	I490S	Non-aqueous sample pH in Water		
		pH (in soil)	7.3	
12	I107S	Carbon, Total Organic (C)	1700 J	mg/kg
22	I023S	Alkalinity, Total (as CaCO3)	160	mg/kg
23	I315S	Halogens, Total Organic (EOX)	< 20 UJ	mg/kg
24	I620S	Percent Solids at 103C	74.0	%

COMMENTS: Results are not corrected for percent moisture.

CLIENT ORIGINAL

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LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

Carbon Copy:

SAMPLE ID: TCC-SD11-E-0002
NUS SAMPLE NO: P0189151
P.O. NO.:

DATE SAMPLED: 06-FEB-92
DATE RECEIVED: 10-FEB-92
APPROVED BY: J Simanic

pkg 7

LN	TEST CODE	DETERMINATION	RESULT	UNITS
7	I390S	Nitrate (as N)	1.1	mg/kg
9	I490S	Non-aqueous sample pH in Water		
		pH (in soil)	7.3	
12	I107S	Carbon, Total Organic (C)	1700 J	mg/kg
22	I023S	Alkalinity, Total (as CaCO3)	160	mg/kg
23	I315S	Halogens, Total Organic (EOX)	< 20 UJ	mg/kg
24	I620S	Percent Solids at 103C	74.0	%

COMMENTS: Results are not corrected for percent moisture.

CLIENT ORIGINAL

HALLIBURTON NUS
Environmental Laboratories

5350 Campbells Run Road
Pittsburgh, PA 15205
800-228-6870

6751-L Engle Road
Cleveland, OH 44130
216-891-4700

March 20, 1992
Report No.: 00006553
Section A Page 4

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

Carbon Copy:

SAMPLE ID: TCC-SD15-E-0002
NUS SAMPLE NO: P0189030
P.O. NO.:

DATE SAMPLED: 05-FEB-92
DATE RECEIVED: 07-FEB-92
APPROVED BY: R Volk

pkg 7

LN	TEST CODE	DETERMINATION	RESULT	UNITS
1	ACLPS	TAL METALS & CLP DATA PACKAGE	DONE	
7	I390S	Nitrate (as N)	1.4	mg/kg
9	I490S	Non-aqueous sample pH in Water		
		pH (in soil)	7.0	
12	I107S	Carbon, Total Organic (C)	1400 J	mg/kg
13	OSVIXS	APPENDIX IX SEMIVOLATILES IN SOIL		
		Data Package - BNA	DONE	
15	G120SC	PESTICIDES/PCBS + CLP DATA PACKAGE - SOIL		
		Data Package - Pesticides/PCBs	DONE	
20	DPACK	CLP Data Package Deliverable	DONE	
22	I023S	Alkalinity, Total (as CaCO3)	81	mg/kg
23	I315S	Halogens, Total Organic (EOX)	< 20 UJ	mg/kg
24	I800	CLP - percent moisture	28.3	%
25	R03S	Gross Alpha and Beta Screen		
		Gross Alpha Screen	< 7	pCi/g
		Gross Beta Screen	15 +/- 4	pCi/g

COMMENTS: Results are not adjusted for percent moisture.

CLIENT ORIGINAL

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March 20, 1992
Report No.: 00006553
Section A Page 4

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

Carbon Copy:

SAMPLE ID: TCC-SD15-E-0002
NUS SAMPLE NO: P0189030
P.O. NO.:

DATE SAMPLED: 05-FEB-92
DATE RECEIVED: 07-FEB-92
APPROVED BY: R Volk

pkg 7

LN	TEST CODE	DETERMINATION	RESULT	UNITS
1	ACLPS	TAL METALS & CLP DATA PACKAGE	DONE	
7	I390S	Nitrate (as N)	1.4	mg/kg
9	I490S	Non-aqueous sample pH in Water		
		pH (in soil)	7.0	
12	I107S	Carbon, Total Organic (C)	1400 J	mg/kg
13	OSVIXS	APPENDIX IX SEMIVOLATILES IN SOIL		
		Data Package - BNA	DONE	
15	G120SC	PESTICIDES/PCBS + CLP DATA PACKAGE - SOIL		
		Data Package - Pesticides/PCBs	DONE	
20	DPACK	CLP Data Package Deliverable	DONE	
22	I023S	Alkalinity, Total (as CaCO3)	81	mg/kg
23	I315S	Halogens, Total Organic (EOX)	< 20 UJ	mg/kg
24	I800	CLP - percent moisture	28.3	%
25	R03S	Gross Alpha and Beta Screen		
		Gross Alpha Screen	< 7	pCi/g
		Gross Beta Screen	15 +/- 4	pCi/g

COMMENTS: Results are not adjusted for percent moisture.

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March 19, 1992
Report No.: 00006492
Section A Page 6

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

Carbon Copy:

SAMPLE ID: TCC-SD15-E-0002
NUS SAMPLE NO: P0189031
P.O. NO.:

DATE SAMPLED: 05-FEB-92
DATE RECEIVED: 07-FEB-92
APPROVED BY: R Volk

pkg 7

LN	TEST CODE	DETERMINATION	RESULT	UNITS
20	DPACK	CLP Data Package Deliverable	DONE	
25	T45	Grain Size - Sieve & Hydrometer		
		b. 1.5 inch	100.0	% Passed
		c. 1.0 inch	97.9	% Passed
		d. 3/4 inch	96.4	% Passed
		e. 1/2 inch	94.4	% Passed
		f. 3/8 inch	91.4	% Passed
		g. Sieve No. 4	78.5	% Passed
		h. Sieve No. 10	50.3	% Passed
		i. Sieve No. 20	24.6	% Passed
		j. Sieve No. 40	13.4	% Passed
		k. Sieve No. 60	11.5	% Passed
		l. Sieve No. 140	9.9	% Passed
		m. Sieve No. 200	9.1	% Passed
		n. Particle Size .023mm	5.7	% Passed
		o. Particle Size .007mm	4.7	% Passed
		p. Particle Size .001mm	3.7	% Passed

COMMENTS:

CLIENT ORIGINAL

HALLIBURTON NUS
Environmental Laboratories

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Cleveland, OH 44130
216-891-4700

March 19, 1992
Report No.: 00006492
Section A Page 6

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

Carbon Copy:

SAMPLE ID: TCC-SD15-E-0002
NUS SAMPLE NO: P0189031
P.O. NO.:

DATE SAMPLED: 05-FEB-92
DATE RECEIVED: 07-FEB-92
APPROVED BY: R Volk

pkg 7

LN	TEST CODE	DETERMINATION	RESULT	UNITS
20	DPACK	CLP Data Package Deliverable	DONE	
25	T45	Grain Size - Sieve & Hydrometer		
		b. 1.5 inch	100.0	% Passed
		c. 1.0 inch	97.9	% Passed
		d. 3/4 inch	96.4	% Passed
		e. 1/2 inch	94.4	% Passed
		f. 3/8 inch	91.4	% Passed
		g. Sieve No. 4	78.5	% Passed
		h. Sieve No. 10	50.3	% Passed
		i. Sieve No. 20	24.6	% Passed
		j. Sieve No. 40	13.4	% Passed
		k. Sieve No. 60	11.5	% Passed
		l. Sieve No. 140	9.9	% Passed
		m. Sieve No. 200	9.1	% Passed
		n. Particle Size .023mm	5.7	% Passed
		o. Particle Size .007mm	4.7	% Passed
		p. Particle Size .001mm	3.7	% Passed

COMMENTS:

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March 19, 1992
Report No.: 00006492
Section A Page 8

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

Carbon Copy:

SAMPLE ID: TCC-SD17A-E-0002
NUS SAMPLE NO: P0189033
P.O. NO.:

DATE SAMPLED: 05-FEB-92
DATE RECEIVED: 07-FEB-92
APPROVED BY: J Simanic

pkg 7

LN	TEST CODE	DETERMINATION	RESULT	UNITS
7	I390S	Nitrate (as N)	1.1	mg/kg
9	I490S	Non-aqueous sample pH in Water		
		pH (in soil)	7.5	
12	I107S	Carbon, Total Organic (C)	530 J	mg/kg
22	I023S	Alkalinity, Total (as CaCO3)	< 5	mg/kg
23	I315S	Halogens, Total Organic (EOX)	< 20 UJ	mg/kg
25	R03S	Gross Alpha and Beta Screen		
		Gross Alpha Screen	< 8	pCi/g
		Gross Beta Screen	14 +/- 4	pCi/g
26	I620S	Percent Solids at 103C	74.5	%

COMMENTS: Results are not corrected for percent moisture.

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March 19, 1992
Report No.: 00006492
Section A Page 8

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

Carbon Copy:

SAMPLE ID: TCC-SD17A-E-0002
NUS SAMPLE NO: P0189033
P.O. NO.:

DATE SAMPLED: 05-FEB-92
DATE RECEIVED: 07-FEB-92
APPROVED BY: J Simanic

pkg 7

LN	TEST CODE	DETERMINATION	RESULT	UNITS
7	I390S	Nitrate (as N)	1.1	mg/kg
9	I490S	Non-aqueous sample pH in Water		
		pH (in soil)	7.5	
12	I107S	Carbon, Total Organic (C)	530 J	mg/kg
22	I023S	Alkalinity, Total (as CaCO3)	< 5	mg/kg
23	I315S	Halogens, Total Organic (EOX)	< 20 UJ	mg/kg
25	R03S	Gross Alpha and Beta Screen		
		Gross Alpha Screen	< 8	pCi/g
		Gross Beta Screen	14 +/- 4	pCi/g
26	I620S	Percent Solids at 103C	74.5	%

COMMENTS: Results are not corrected for percent moisture.

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March 20, 1992
Report No.: 00006556
Section A Page 1

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

Carbon Copy:

SAMPLE ID: TEC-SD22-E-0002
NUS SAMPLE NO: P0189218
P.O. NO.:

DATE SAMPLED: 08-FEB-92
DATE RECEIVED: 11-FEB-92
APPROVED BY: R Volk

pkg 7

LN	TEST CODE	DETERMINATION	RESULT	UNIT
1	ACLPS	TAL METALS & CLP DATA PACKAGE	DONE	
7	I390S	Nitrate (as N)	1.0	mg/kg
9	I490S	Non-aqueous sample pH in Water		
		pH (in soil)	7.7	
12	I107S	Carbon, Total Organic (C)	670 J	mg/kg
13	OSVIXS	APPENDIX IX SEMIVOLATILES IN SOIL		
		Data Package - BNA	DONE	
15	G120SC	PESTICIDES/PCBS + CLP DATA PACKAGE - SOIL		
		Data Package - Pesticides/PCBs	DONE	
18	I265SC	CLP - Cyanide (CN)	0.67 u	mg/kg
20	DPACK	CLP Data Package Deliverable	DONE	
22	I023S	Alkalinity, Total (as CaCO3)	< 5	mg/kg
23	I315S	Halogens, Total Organic (EOX)	160 J	mg/kg
24	I800	CLP - percent moisture	25.4	%
25	R03S	Gross Alpha and Beta Screen		
		Gross Alpha Screen	< 10	pCi/g
		Gross Beta Screen	6.7 +/- 3.8	pCi/g

COMMENTS: * This sample was analyzed as a matrix spike for TOC. Recovery of the spike was 0%, which indicates the presence of matrix interference. This should be considered in evaluating the data.
Results (except cyanide) are not adjusted for percent moisture.

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March 20, 1992
Report No.: 00006556
Section A Page 1

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

Carbon Copy:

SAMPLE ID: TEC-SD22-E-0002
NUS SAMPLE NO: P0189218
P.O. NO.:

DATE SAMPLED: 08-FEB-92
DATE RECEIVED: 11-FEB-92
APPROVED BY: R Volk

pkg 7

LN	TEST CODE	DETERMINATION	RESULT	UNIT
1	ACLPS	TAL METALS & CLP DATA PACKAGE	DONE	
7	I390S	Nitrate (as N)	1.0	mg/kg
9	I490S	Non-aqueous sample pH in Water		
		pH (in soil)	7.7	
12	I107S	Carbon, Total Organic (C)	670 J	mg/kg
13	OSVIXS	APPENDIX IX SEMIVOLATILES IN SOIL		
		Data Package - BNA	DONE	
15	G120SC	PESTICIDES/PCBS + CLP DATA PACKAGE - SOIL		
		Data Package - Pesticides/PCBs	DONE	
18	I265SC	CLP - Cyanide (CN)	0.67 u	mg/kg
20	DPACK	CLP Data Package Deliverable	DONE	
22	I023S	Alkalinity, Total (as CaCO3)	< 5	mg/kg
23	I315S	Halogens, Total Organic (EOX)	160 J	mg/kg
24	I800	CLP - percent moisture	25.4	%
25	R03S	Gross Alpha and Beta Screen		
		Gross Alpha Screen	< 10	pCi/g
		Gross Beta Screen	6.7 +/- 3.8	pCi/g

COMMENTS: * This sample was analyzed as a matrix spike for TOC. Recovery of the spike was 0%, which indicates the presence of matrix interference. This should be considered in evaluating the data.
Results (except cyanide) are not adjusted for percent moisture.

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March 20, 1992
Report No.: 00006553
Section A Page 7

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

Carbon Copy:

SAMPLE ID: TEC-SD24-E-0002
NUS SAMPLE NO: P0189225
P.O. NO.:

DATE SAMPLED: 08-FEB-92
DATE RECEIVED: 11-FEB-92
APPROVED BY: R Volk

pkg 7

LN	TEST CODE	DETERMINATION	RESULT	UNITS
1	ACLPS	TAL METALS & CLP DATA PACKAGE	DONE	
7	I390S	Nitrate (as N)	1.0	mg/kg
9	I490S	Non-aqueous sample pH in Water		
		pH (in soil)	7.3	
12	I107S	Carbon, Total Organic (C)	3300 J	mg/kg
13	OSVIXS	APPENDIX IX SEMIVOLATILES IN SOIL		
		Data Package - BNA	DONE	
15	G120SC	PESTICIDES/PCBS + CLP DATA PACKAGE - SOIL		
		Data Package - Pesticides/PCBs	DONE	
18	I265SC	CLP - Cyanide (CN)	0.75 u	mg/kg
20	DPACK	CLP Data Package Deliverable	DONE	
22	I023S	Alkalinity, Total (as CaCO3)	< 5	mg/kg
23	I315S	Halogens, Total Organic (EOX)	63 J	mg/kg
24	I800	CLP - percent moisture	34.6	%
25	T45	Grain Size - Sieve & Hydrometer		
		f. 3/8 inch	100.0	% Passed
		g. Sieve No. 4	98.8	% Passed
		h. Sieve No. 10	97.0	% Passed
		i. Sieve No. 20	95.4	% Passed
		j. Sieve No. 40	93.9	% Passed
		k. Sieve No. 60	93.1	% Passed
		l. Sieve No. 140	87.7	% Passed
		m. Sieve No. 200	76.6	% Passed
		n. Particle Size .021mm	39.8	% Passed
		o. Particle Size .006mm	32.0	% Passed
		p. Particle Size .001mm	24.3	% Passed
26	R03S	Gross Alpha and Beta Screen		
		Gross Alpha Screen	< 7	pCi/g
		Gross Beta Screen	12 +/- 4	pCi/g

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March 20, 1992
Report No.: 00006553
Section A Page 7

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

Carbon Copy:

SAMPLE ID: TEC-SD24-E-0002
NUS SAMPLE NO: P0189225
P.O. NO.:

DATE SAMPLED: 08-FEB-92
DATE RECEIVED: 11-FEB-92
APPROVED BY: R Volk

LN	TEST CODE	DETERMINATION	RESULT	UNITS
1	ACLPS	TAL METALS & CLP DATA PACKAGE	DONE	
7	I390S	Nitrate (as N)	1.0	mg/kg
9	I490S	Non-aqueous sample pH in Water		
		pH (in soil)	7.3	
12	I107S	Carbon, Total Organic (C)	3300 J	mg/kg
13	OSVIXS	APPENDIX IX SEMIVOLATILES IN SOIL		
		Data Package - BNA	DONE	
15	G120SC	PESTICIDES/PCBS + CLP DATA PACKAGE - SOIL		
		Data Package - Pesticides/PCBs	DONE	
18	I265SC	CLP - Cyanide (CN)	0.75 u	mg/kg
20	DPACK	CLP Data Package Deliverable	DONE	
22	I023S	Alkalinity, Total (as CaCO3)	< 5	mg/kg
23	I315S	Halogens, Total Organic (EOX)	63 J	mg/kg
24	I800	CLP - percent moisture	34.6	%
25	T45	Grain Size - Sieve & Hydrometer		
		f. 3/8 inch	100.0	% Passed
		g. Sieve No. 4	98.8	% Passed
		h. Sieve No. 10	97.0	% Passed
		i. Sieve No. 20	95.4	% Passed
		j. Sieve No. 40	93.9	% Passed
		k. Sieve No. 60	93.1	% Passed
		l. Sieve No. 140	87.7	% Passed
		m. Sieve No. 200	76.6	% Passed
		n. Particle Size .021mm	39.8	% Passed
		o. Particle Size .006mm	32.0	% Passed
		p. Particle Size .001mm	24.3	% Passed
26	R03S	Gross Alpha and Beta Screen		
		Gross Alpha Screen	< 7	pCi/g
		Gross Beta Screen	12 +/- 4	pCi/g

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March 20, 1992
Report No.: 00006553
Section A Page 8

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
SAMPLE ID: TEC-SD24-E-0002
NUS SAMPLE NO: P0189225

pkg 7

LN	TEST CODE	DETERMINATION	RESULT	UNITS

COMMENTS: Results (except cyanide) have not been adjusted for percent moisture.

CLIENT ORIGINAL

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March 20, 1992
Report No.: 00006553
Section A Page 8

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
SAMPLE ID: TEC-SD24-E-0002
NUS SAMPLE NO: P0189225

pkg 7

LN	TEST CODE	DETERMINATION	RESULT	UNITS

COMMENTS: Results (except cyanide) have not been adjusted for percent moisture.

CLIENT ORIGINAL

HALLIBURTON NUS
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March 20, 1992
Report No.: 00006553
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LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

Carbon Copy:

SAMPLE ID: TCC-SDB1-E-0002
NUS SAMPLE NO: P0189228
P.O. NO.:

DATE SAMPLED: 08-FEB-92
DATE RECEIVED: 11-FEB-92
APPROVED BY: R Volk

pkg 7

LN	TEST CODE	DETERMINATION	RESULT	UNITS
1	ACLPS	TAL METALS & CLP DATA PACKAGE	DONE	
7	I390S	Nitrate (as N)	18	mg/kg
9	I490S	Non-aqueous sample pH in Water		
		pH (in soil)	7.3	
12	I107S	Carbon, Total Organic (C)	3600 J	mg/kg
13	OSVIXS	APPENDIX IX SEMIVOLATILES IN SOIL		
		Data Package - BNA	DONE	
15	G120SC	PESTICIDES/PCBS + CLP DATA PACKAGE - SOIL		
		Data Package - Pesticides/PCBs	DONE	
18	I265SC	CLP - Cyanide (CN)	0.67 u	mg/kg
20	DPACK	CLP Data Package Deliverable	DONE	
22	I023S	Alkalinity, Total (as CaCO3)	160	mg/kg
23	I315S	Halogens, Total Organic (EOX)	21 J	mg/kg
24	I800	CLP - percent moisture	28.2	%
25	T45	Grain Size - Sieve & Hydrometer		
		c. 3/4 inch	100.0	% Passed
		e. 1/2 inch	99.3	% Passed
		f. 3/8 inch	98.2	% Passed
		g. Sieve No. 4	93.7	% Passed
		h. Sieve No. 10	85.8	% Passed
		i. Sieve No. 20	78.9	% Passed
		j. Sieve No. 40	74.1	% Passed
		k. Sieve No. 60	70.4	% Passed
		l. Sieve No. 140	63.1	% Passed
		m. Sieve No. 200	59.2	% Passed
		n. Particle Size .021mm	36.6	% Passed
		o. Particle Size .006mm	28.1	% Passed
		p. Particle Size .001mm	26.4	% Passed
26	R03S	Gross Alpha and Beta Screen		
		Gross Alpha Screen	9.9 +/- 6.2	pCi/g
		Gross Beta Screen	12 +/- 4	pCi/g

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Section A Page 9

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

Carbon Copy:

SAMPLE ID: TCC-SDB1-E-0002
NUS SAMPLE NO: P0189228
P.O. NO.:

DATE SAMPLED: 08-FEB-92
DATE RECEIVED: 11-FEB-92
APPROVED BY: R Volk

pkg 7

LN	TEST CODE	DETERMINATION	RESULT	UNITS
1	ACLPS	TAL METALS & CLP DATA PACKAGE	DONE	
7	I390S	Nitrate (as N)	18	mg/kg
9	I490S	Non-aqueous sample pH in Water		
		pH (in soil)	7.3	
12	I107S	Carbon, Total Organic (C)	3600 J	mg/kg
13	OSVIXS	APPENDIX IX SEMIVOLATILES IN SOIL		
		Data Package - BNA	DONE	
15	G120SC	PESTICIDES/PCBS + CLP DATA PACKAGE - SOIL		
		Data Package - Pesticides/PCBs	DONE	
18	I265SC	CLP - Cyanide (CN)	0.67 u	mg/kg
20	DPACK	CLP Data Package Deliverable	DONE	
22	I023S	Alkalinity, Total (as CaCO3)	160	mg/kg
23	I315S	Halogens, Total Organic (EOX)	21 J	mg/kg
24	I800	CLP - percent moisture	28.2	%
25	T45	Grain Size - Sieve & Hydrometer		
		c. 3/4 inch	100.0	% Passed
		e. 1/2 inch	99.3	% Passed
		f. 3/8 inch	98.2	% Passed
		g. Sieve No. 4	93.7	% Passed
		h. Sieve No. 10	85.8	% Passed
		i. Sieve No. 20	78.9	% Passed
		j. Sieve No. 40	74.1	% Passed
		k. Sieve No. 60	70.4	% Passed
		l. Sieve No. 140	63.1	% Passed
		m. Sieve No. 200	59.2	% Passed
		n. Particle Size .021mm	36.6	% Passed
		o. Particle Size .006mm	28.1	% Passed
		p. Particle Size .001mm	26.4	% Passed
26	R03S	Gross Alpha and Beta Screen		
		Gross Alpha Screen	9.9 +/- 6.2	pCi/g
		Gross Beta Screen	12 +/- 4	pCi/g

CLIENT ORIGINAL

HALLIBURTON NUS
Environmental Laboratories

5350 Campbells Run Road
Pittsburgh, PA 15205
800-228-6870

6751-L Engle Road
Cleveland, OH 44130
216-891-4700

March 20, 1992
Report No.: 00006553
Section A Page 10

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
SAMPLE ID: TCC-SDB1-E-0002
NUS SAMPLE NO: P0189228

pkg 7

LN	TEST CODE	DETERMINATION	RESULT	UNITS

COMMENTS: Results (except cyanide) have not been adjusted for percent moisture.

CLIENT ORIGINAL

HALLIBURTON NUS
Environmental Laboratories

5350 Campbells Run Road
Pittsburgh, PA 15205
800-228-6870

6751-L Engle Road
Cleveland, OH 44130
216-891-4700

March 20, 1992
Report No.: 00006553
Section A Page 10

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
SAMPLE ID: TCC-SDB1-E-0002
NUS SAMPLE NO: P0189228

pkg 7

LN	TEST CODE	DETERMINATION	RESULT	UNITS

COMMENTS: Results (except cyanide) have not been adjusted for percent moisture.

CLIENT ORIGINAL

HALLIBURTON NUS
Environmental Laboratories

5350 Campbells Run Road
Pittsburgh, PA 15205
800-228-6870

6751-L Engle Road
Cleveland, OH 44130
216-891-4700

March 20, 1992
Report No.: 00006556
Section A Page 2

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

Carbon Copy:

SAMPLE ID: TCC-SDB2-E-0002
NUS SAMPLE NO: P0189223
P.O. NO.:

DATE SAMPLED: 08-FEB-92
DATE RECEIVED: 11-FEB-92
APPROVED BY: R Volk

pg 7

LN	TEST CODE	DETERMINATION	RESULT	UNITS
1	ACLPS	TAL METALS & CLP DATA PACKAGE	DONE	
7	I390S	Nitrate (as N)	2.1	mg/kg
9	I490S	Non-aqueous sample pH in Water		
		pH (in soil)	7.9	
12	I107S	Carbon, Total Organic (C)	170 J	mg/kg
13	OSVIXS	APPENDIX IX SEMIVOLATILES IN SOIL		
		Data Package - BNA	DONE	
15	G120SC	PESTICIDES/PCBS + CLP DATA PACKAGE - SOIL		
		Data Package - Pesticides/PCBs	DONE	
18	I265SC	CLP - Cyanide (CN)	0.59 u	mg/kg
20	DPACK	CLP Data Package Deliverable	DONE	
22	I023S	Alkalinity, Total (as CaCO3)	< 5	mg/kg
23	I315S	Halogens, Total Organic (EOX)	29 J	mg/kg
24	I800	CLP - percent moisture	19.0	%
25	T45	Grain Size - Sieve & Hydrometer		
		d. 3/4 inch	100.0	% Passed
		e. 1/2 inch	94.8	% Passed
		f. 3/8 inch	89.5	% Passed
		g. Sieve No. 4	76.4	% Passed
		h. Sieve No. 10	65.5	% Passed
		i. Sieve No. 20	55.7	% Passed
		j. Sieve No. 40	49.9	% Passed
		k. Sieve No. 60	47.9	% Passed
		l. Sieve No. 140	43.4	% Passed
		m. Sieve No. 200	40.3	% Passed
		n. Particle Size .022mm	24.0	% Passed
		o. Particle Size .006mm	17.5	% Passed
		p. Particle Size .001mm	14.9	% Passed
26	R03S	Gross Alpha and Beta Screen		
		Gross Alpha Screen	7.9 +/- 6.0	pCi/g
		Gross Beta Screen	14 +/- 4	pCi/g

CLIENT ORIGINAL

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Environmental Laboratories

5350 Campbells Run Road
Pittsburgh, PA 15205
800-228-6870

6751-L Engle Road
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216-891-4700

March 20, 1992
Report No.: 00006556
Section A Page 2

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

Carbon Copy:

SAMPLE ID: TCC-SDB2-E-0002
NUS SAMPLE NO: P0189223
P.O. NO.:

DATE SAMPLED: 08-FEB-92
DATE RECEIVED: 11-FEB-92
APPROVED BY: R Volk

pg 7

LN	TEST CODE	DETERMINATION	RESULT	UNITS
1	ACLPS	TAL METALS & CLP DATA PACKAGE	DONE	
7	I390S	Nitrate (as N)	2.1	mg/kg
9	I490S	Non-aqueous sample pH in Water		
		pH (in soil)	7.9	
12	I107S	Carbon, Total Organic (C)	170 J	mg/kg
13	OSVIXS	APPENDIX IX SEMIVOLATILES IN SOIL		
		Data Package - BNA	DONE	
15	G120SC	PESTICIDES/PCBS + CLP DATA PACKAGE - SOIL		
		Data Package - Pesticides/PCBs	DONE	
18	I265SC	CLP - Cyanide (CN)	0.59 u	mg/kg
20	DPACK	CLP Data Package Deliverable	DONE	
22	I023S	Alkalinity, Total (as CaCO3)	< 5	mg/kg
23	I315S	Halogens, Total Organic (EOX)	29 J	mg/kg
24	I800	CLP - percent moisture	19.0	%
25	T45	Grain Size - Sieve & Hydrometer		
		d. 3/4 inch	100.0	% Passed
		e. 1/2 inch	94.8	% Passed
		f. 3/8 inch	89.5	% Passed
		g. Sieve No. 4	76.4	% Passed
		h. Sieve No. 10	65.5	% Passed
		i. Sieve No. 20	55.7	% Passed
		j. Sieve No. 40	49.9	% Passed
		k. Sieve No. 60	47.9	% Passed
		l. Sieve No. 140	43.4	% Passed
		m. Sieve No. 200	40.3	% Passed
		n. Particle Size .022mm	24.0	% Passed
		o. Particle Size .006mm	17.5	% Passed
		p. Particle Size .001mm	14.9	% Passed
26	R03S	Gross Alpha and Beta Screen		
		Gross Alpha Screen	7.9 +/- 6.0	pCi/g
		Gross Beta Screen	14 +/- 4	pCi/g

CLIENT ORIGINAL

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Environmental Laboratories

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Pittsburgh, PA 15205
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6751-L Engle Road
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216-891-4700

March 20, 1992
Report No.: 00006556
Section A Page 3

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
SAMPLE ID: TCC-SDB2-E-0002
NUS SAMPLE NO: P0189223

pkg 7

LN	TEST CODE	DETERMINATION	RESULT	UNITS

COMMENTS: * This sample was analyzed as a matrix spike for TOX. Recovery of the spike was 46.8%, which indicates the presence of a matrix interference. This should be considered in evaluating the data.
Results (except cyanide) have not been adjusted for percent moisture.

CLIENT ORIGINAL

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Environmental Laboratories

5350 Campbells Run Road
Pittsburgh, PA 15205
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6751-L Engle Road
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216-891-4700

March 20, 1992
Report No.: 00006556
Section A Page 3

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
SAMPLE ID: TCC-SDB2-E-0002
NUS SAMPLE NO: P0189223

pkg 7

LN	TEST CODE	DETERMINATION	RESULT	UNITS

COMMENTS: * This sample was analyzed as a matrix spike for TOX. Recovery of the spike was 46.8%, which indicates the presence of a matrix interference. This should be considered in evaluating the data.
Results (except cyanide) have not been adjusted for percent moisture.

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INORGANICS IN SURFACE WATER - FEBRUARY 1992

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INORGANICS IN SURFACE WATER - FEBRUARY 1992

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

TDC6W2

Lab Name: HALLIBURTON NUS Lab. Contract: TINKER AFB

Lab Code: Case No.: TNK SAS No.: SDG No.: PH66

Matrix (soil/water): WATER Lab Sample ID: H198004

Level (low/med): LOW Date Received: 02/07/90

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	6.0	U		P
7440-38-2	Arsenic	1.5	B		P
7440-39-3	Barium	640	B	J	P
7440-41-7	Beryllium	2.3	B	U	P
7440-43-9	Cadmium	4.0	U		P
7440-70-2	Calcium				NR
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	27.0	U		P
7440-50-8	Copper	16.0	U		P
7439-89-6	Iron				NR
7439-92-1	Lead	1.0	U		P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	35.0	U		P
7440-09-7	Potassium				NR
7782-49-2	Selenium	1.0	B		P
7440-22-4	Silver	5.0	U		P
7440-23-5	Sodium				NR
7440-28-0	Thallium	1.0	U		P
7440-62-2	Vanadium	23.0	B	UJ	P
7440-66-6	Zinc	5.0	U		P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
CLIENT ID: TDC-SW06-W-0002

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1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

TC06W2

Lab Name: HALLIBURTON NUS Lab. Contract: TINKER AFB

Lab Code: Case No.: TNK SAS No.: SDG No.: PN66

Matrix (soil/water): WATER Lab Sample ID: H198004

Level (low/med): LOW Date Received: 02/07/92

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	6.0	U		P
7440-38-2	Arsenic	1.5	B		P
7440-39-3	Barium	640		E J	P
7440-41-7	Beryllium	2.3	B	U	P
7440-43-9	Cadmium	4.0	U		P
7440-70-2	Calcium				NR
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	27.0	U		P
7440-50-8	Copper	16.0	U		P
7439-89-6	Iron				NR
7439-92-1	Lead	1.0	U		P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	35.0	U		P
7440-09-7	Potassium				NR
7440-22-4	Selenium	1.0	B		P
7440-22-4	Silver	5.0	U		P
7440-23-5	Sodium				NR
7440-28-0	Thallium	1.0	U		P
7440-62-2	Vanadium	23.0	B	UJ	P
7440-66-6	Zinc	6.0	U		P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
CLIENT ID: TC06-SW06-W-0002

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1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

TCC6W2

Lab Name: HALLIBURTON_NUS Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG6

Matrix (soil/water): WATER Lab Sample ID: P189026

Level (low/med): _____ Date Received: 02/05/92

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminium				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
---------	Cyanide	10.0	U		C

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments: TCC-SW06-W-0002

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1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

TCC6W2

Lab Name: HALLIBURTON_NUS Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG6

Matrix (soil/water): WATER Lab Sample ID: P189026

Level (low/med): _____ Date Received: 02/05/92

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminium				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
---------	Cyanide	10.0	U		C

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments: TCC-SW06-W-0002

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1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

TD15W2

Lab Name: HALLIBURTON NUS Lab. Contract: TINKER AFB

Lab Code: Case No.: TNK SAS No.: SDG No.: PHASE

Matrix (soil/water): WATER Lab Sample ID: H193005

Level (low/med): LOW Date Received: 02/07/91

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	6.0	U		P
7440-38-2	Arsenic	1.8		J	P
7440-39-3	Barium	623			P
7440-41-7	Beryllium	2.0	U		P
7440-43-9	Cadmium	4.0	U		P
7440-70-2	Calcium				NR
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	27.0	U		P
7440-50-8	Copper	16.0	U		P
7439-89-6	Iron				NR
7439-92-1	Lead	1.0	U		P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	28.0	U		P
7440-09-7	Potassium				NR
7782-49-2	Selenium	1.0	U		P
7440-22-4	Silver	3.0	U		P
7440-23-5	Sodium				NR
7440-28-0	Thallium	2.0	U		P
7440-62-2	Vanadium	13.0		UJ	P
7440-66-6	Zinc	8.2			P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
CLIENT ID: TCC-Sw15-w-0002

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1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

TC15W2

Lab Name: HALLIBURTON NUS Lab. Contract: TINKER AFB

Lab Code: Case No.: TNK SAS No.: SDG No.: PHSE

Matrix (soil/water): WATER Lab Sample ID: H193005

Level (low/med): LOW Date Received: 02/07/91

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	6.0	U		P
7440-38-2	Arsenic	1.8	~~U~~	J	P
7440-39-3	Barium	623			P
7440-41-7	Beryllium	2.0	U		P
7440-43-9	Cadmium	4.0	U		P
7440-70-2	Calcium				NR
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	27.0	U		P
7440-50-8	Copper	16.0	U		P
7439-89-6	Iron				NR
7439-92-1	Lead	1.0	U		F
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	33.0	U		P
7440-09-7	Potassium				NR
7782-49-2	Selenium	1.0	U		F
7440-22-4	Silver	3.0	U		P
7440-23-5	Sodium				NR
7440-28-0	Thallium	2.0	U		F
7440-62-2	Vanadium	23.0	~~U~~	W	P
7440-66-6	Zinc	8.2	~~U~~		P
	Cyanide				NR

Color before: COLORLESS Clarity before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
CLIENT ID: TC1-Sw15-W-0002

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

TOC20W

Lab Name: HALLIBURTON NUS Lab. Contract: TINKER AFB

Lab Code: Case No.: TNK SAS No.: SDG No.: PG65

Matrix (soil/water): WATER Lab Sample ID: H19801E

Level (low/med): LOW Date Received: 02/11/92

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	6.0	U		P
7440-38-2	Arsenic	1.3	~~U~~		P
7440-39-3	Barium	434	~~U~~	J	P
7440-41-7	Beryllium	2.9	~~U~~	U	P
7440-43-9	Cadmium	4.0	U		P
7440-70-2	Calcium				NR
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	27.0	U		P
7440-50-8	Copper	16.0	U		P
7439-89-6	Iron				NR
7439-92-1	Lead	1.0	U		P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	28.0	U		P
7440-09-7	Potassium				NR
7782-49-2	Selenium	1.0	U		P
7440-22-4	Silver	5.0	U		P
7440-23-5	Sodium				NR
7440-28-0	Thallium	2.0	~~U~~	UJ	P
7440-62-2	Vanadium	23.0	~~U~~	UJ	P
7440-66-6	Zinc	98.7			P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
CLIENT ID: TOC-SW20-W-0002

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

TCC20W

Lab Name: HALLIBURTON NUS Lab. Contract: TINKER AFB

Lab Code: Case No.: TNK SAS No.: SDG No.: PAGE

Matrix (soil/water): WATER Lab Sample ID: H19801E

Level (low/med): LOW Date Received: 02/11/92

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	6.0	U		P
7440-38-2	Arsenic	1.3	~~B~~		P
7440-39-3	Barium	484		~~B~~ J	P
7440-41-7	Beryllium	2.9	~~B~~	U	P
7440-43-9	Cadmium	4.0	U		P
7440-70-2	Calcium				NR
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	27.0	U		P
7440-50-8	Copper	16.0	U		P
7439-89-6	Iron				NR
7439-92-1	Lead	1.0	U		P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	98.0	U		P
7440-09-7	Potassium				NR
7782-49-2	Selenium	1.0	U		P
7440-22-4	Silver	5.0	U		P
7440-23-5	Sodium				NR
7440-28-0	Thallium	2.0	~~U~~	UJ	P
7440-62-2	Vanadium	23.0	~~U~~	UJ	P
7440-02-0	Zinc	48.7			P
	Cyanide				NR

Color before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
CLIENT ID: TCC-SW20-W-0002

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

TEC22W

Lab Name: HALLIBURTON NUS Lab. Contract: TINKER AFB

Lab Code: Case No.: TNK SAS No.: SDG No.: PHG6

Matrix (soil/water): WATER Lab Sample ID: H198008

Level (low/med): LOW Date Received: 02/11/90

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	6.0	U		P
7440-38-2	Arsenic	1.0	B		P
7440-39-3	Barium	367		J	P
7440-41-7	Beryllium	2.0	U		P
7440-43-9	Cadmium	4.0	U		P
7440-70-2	Calcium				NR
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	27.0	U		P
7440-50-8	Copper	16.0	U		P
7439-89-6	Iron				NR
7439-92-1	Lead	1.0	U		P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	38.0	B		P
7440-09-7	Potassium				NR
7782-49-2	Selenium	1.0	U		P
7440-22-4	Silver	8.0	U		P
7440-23-5	Sodium				NR
7440-28-0	Thallium	2.0	U		P
7440-62-2	Vanadium	13.0	B	UJ	P
7440-66-6	Zinc	5.0	B		P
	Cyanide				NR

Color before: COLORLESS Clarity before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
CLIENT ID: TEC-SW22-w-0002

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

TEC22W

Lab Name: HALLIBURTON NUS Lab. Contract: TINKER AFB

Lab Code: Case No.: TNK SAS No.: SDG No.: PK66

Matrix (soil/water): WATER Lab Sample ID: H198008

Level (low/med): LOW Date Received: 02/11/90

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	6.0	U		P
7440-38-2	Arsenic	1.0	U		P
7440-39-3	Barium	367		J	P
7440-41-7	Beryllium	2.0	U		P
7440-43-9	Cadmium	4.0	U		P
7440-70-2	Calcium				NR
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	27.0	U		P
7440-50-8	Copper	16.0	U		P
7439-89-6	Iron				NR
7439-92-1	Lead	1.0	U		P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	38.0			P
7440-09-7	Potassium				NR
7782-49-2	Selenium	1.0	U		P
7440-22-4	Silver	5.0	U		P
7440-23-5	Sodium				NR
7440-28-0	Thallium	2.0	U		P
7440-62-2	Vanadium	13.0		UJ	P
7440-66-6	Zinc	8.8			P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
CLIENT ID: TEC-SW22-w-0002

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE No.

TEC24W

Lab Name: HALLIBURTON NUS Lab. Contract: TINKER AFB

Lab Code: Case No.: TNK SAS No.: SDG No.: PAGE

Matrix (soil/water): WATER Lab Sample ID: H198012

Level (low/med): LOW Date Received: 02/11/92

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	6.0	U		P
7440-38-2	Arsenic	1.0	U		P
7440-39-3	Barium	566		J	P
7440-41-7	Beryllium	3.6	U	U	P
7440-43-9	Cadmium	6.5		U	P
7440-70-2	Calcium				NR
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	27.0	U		P
7440-50-8	Copper	16.0	U		P
7439-89-6	Iron				NR
7439-92-1	Lead	1.0	U		F
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	38.0	U		P
7440-09-7	Potassium				NR
7782-49-2	Selenium	1.0	U		F
7440-22-4	Silver	9.0			P
7440-23-5	Sodium				NR
7440-28-0	Thallium	1.0	U		F
7440-62-2	Vanadium	23.0		UJ	P
7440-66-6	Zinc	2.4			P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
CLIENT ID: TEC-SW24-W-0002

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE No.

TEC24W

Lab Name: HALLIBURTON NUS Lab. Contract: TINKER AFB

Lab Code: Case No.: TNK SAS No.: SDG No.: PAGE

Matrix (soil/water): WATER Lab Sample ID: H198012

Level (low/med): LOW Date Received: 02/11/92

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	6.0	U		P
7440-38-2	Arsenic	1.0	U		P
7440-39-3	Barium	566		~~E~~ J	P
7440-41-7	Beryllium	3.6	~~B~~	U	P
7440-43-9	Cadmium	6.5		U	P
7440-70-2	Calcium				NR
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	27.0	U		P
7440-50-8	Copper	16.0	U		P
7439-89-6	Iron				NR
7439-92-1	Lead	1.0	U		P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	98.0	U		P
7440-09-7	Potassium				NR
7782-49-2	Selenium	1.0	U		P
7440-22-4	Silver	9.0	U		P
7440-23-5	Sodium				NR
7440-28-0	Thallium	1.0	U		P
7440-62-2	Vanadium	23.0	~~U~~	UJ	P
7440-66-6	Zinc	9.6	~~B~~		P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

CLIENT ID: TEC-SW24-W-0002

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

TEC24W

Lab Name: HALLIBURTON_NUS Contract: _____

Lab Code: HNUS__ Case No.: TNK___ SAS No.: _____ SDG No.: PKG6__

Matrix (soil/water): WATER Lab Sample ID: P189224___

Level (low/med): _____ Date Received: 02/08/92

% Solids: __0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminium				NR
7440-36-0	Antimony_				NR
7440-38-2	Arsenic__				NR
7440-39-3	Barium___				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium__				NR
7440-70-2	Calcium__				NR
7440-47-3	Chromium_				NR
7440-48-4	Cobalt___				NR
7440-50-8	Copper___				NR
7439-89-6	Iron_____				NR
7439-92-1	Lead_____				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury__				NR
7440-02-0	Nickel___				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium_				NR
7440-22-4	Silver___				NR
7440-23-5	Sodium___				NR
7440-28-0	Thallium_				NR
7440-62-2	Vanadium_				NR
7440-66-6	Zinc_____				NR
---------	Cyanide__	10.0	U		C_

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: ___

omments: TEC-SW24-W-0002

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

TEC24W

Lab Name: HALLIBURTON_NUS Contract: _____

Lab Code: HNUS__ Case No.: TNK___ SAS No.: _____ SDG No.: PKG6__

Matrix (soil/water): WATER Lab Sample ID: P189224___

Level (low/med): _____ Date Received: 02/08/92

% Solids: __0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminium				NR
7440-36-0	Antimony_				NR
7440-38-2	Arsenic__				NR
7440-39-3	Barium___				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium__				NR
7440-70-2	Calcium__				NR
7440-47-3	Chromium_				NR
7440-48-4	Cobalt___				NR
7440-50-8	Copper___				NR
7439-89-6	Iron_____				NR
7439-92-1	Lead_____				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury__				NR
7440-02-0	Nickel___				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium_				NR
7440-22-4	Silver___				NR
7440-23-5	Sodium___				NR
7440-28-0	Thallium_				NR
7440-62-2	Vanadium_				NR
7440-66-6	Zinc_____				NR
---------	Cyanide__	10.0	U		C_

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: ___

omments: TEC-SW24-W-0002

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

TKC1W2

Lab Name: HALLIBURTON NUS Lab. Contract: TINKER AFB

Lab Code: Case No.: TNK SAS No.: SDG No.: PHGB

Matrix (soil/water): WATER Lab Sample ID: H1S2002

Level (low/med): LOW Date Received: 02/06/92

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	6.0	U		P
7440-38-2	Arsenic	1.2	U		P
7440-39-3	Barium	376	B	J	P
7440-41-7	Beryllium	2.0	U		P
7440-43-9	Cadmium	7.1		U	P
7440-70-2	Calcium				NR
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	27.0	U		P
7440-50-8	Copper	16.0	U		P
7439-89-6	Iron				NR
7439-92-1	Lead	1.0	U		P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.1	U		CV
7440-02-0	Nickel	32.0	U		P
7440-09-7	Potassium				NR
7782-49-2	Selenium	1.4	U		P
7440-22-4	Silver	5.0	U		P
7440-23-5	Sodium				NR
7440-28-0	Thallium	2.0	U		P
7440-62-2	Vanadium	23.0	U	UJ	P
7440-66-6	Zinc	7.5	U		P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

CLIENT ID: TKC-SW01-W-0002 FIELD DUPLICATE OF TKC-SW01-C-0002

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

TKC1W2

Lab Name: HALLIBURTON NUS Lab. Contract: TINKER AFB

Lab Code: Case No.: TNK SAS No.: SDG No.: PH66

Matrix (soil/water): WATER Lab Sample ID: H198002

Level (low/med): LOW Date Received: 02/06/91

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	6.0	U		F
7440-38-2	Arsenic	1.2	~~U~~		F
7440-39-3	Barium	37B		~~B~~ J	F
7440-41-7	Beryllium	2.0	U		F
7440-43-9	Cadmium	7.1		a	F
7440-70-2	Calcium				NR
7440-47-3	Chromium	10.0	U		F
7440-48-4	Cobalt	27.0	U		F
7440-50-8	Copper	16.0	U		F
7439-89-6	Iron				NR
7439-92-1	Lead	1.0	U		F
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.1	U		CV
7440-02-0	Nickel	35.0	U		F
7440-09-7	Potassium				NR
7782-49-2	Selenium	1.5	~~U~~		F
7440-22-4	Silver	5.0	U		F
7440-23-5	Sodium				NR
7440-28-0	Thallium	2.0	U		F
7440-62-2	Vanadium	23.0	~~U~~	UJ	F
7440-66-6	Zinc	7.5	~~U~~		F
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
CLIENT ID: TKC1-SW01-W-0002

FIELD DUPLICATE OF TKC-SW01-C-0002

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

TKC1W2

Lab Name: HALLIBURTON_NUS Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG6

Matrix (soil/water): WATER Lab Sample ID: P188953

Level (low/med): _____ Date Received: 02/04/92

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminium				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
---------	Cyanide	10.0	U		C

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:

TKC-SW01-W-0002 Field dup of TKC-SW01-C-0002

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

TKC1W2

Lab Name: HALLIBURTON_NUS Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG6

Matrix (soil/water): WATER Lab Sample ID: P188953

Level (low/med): _____ Date Received: 02/04/92

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminium				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
---------	Cyanide	10.0	U		C

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments: TKC-SW01-W-0002 Field dup of TKC-SW01-C-0002

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

TKC1C2

Lab Name: HALLIBURTON NUS Lab. Contract: TINKER AFB

Lab Code: Case No.: TNK SAS No.: SDG No.: PKGE

Matrix (soil/water): WATER Lab Sample ID: H198003

Level (low/med): LOW Date Received: 02/06/92

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	6.0	U		P
7440-38-2	Arsenic	1.0	U		P
7440-39-3	Barium	348		~~B~~ J	P
7440-41-7	Beryllium	2.0	U		P
7440-43-9	Cadmium	4.4	~~B~~	U	P
7440-70-2	Calcium				NR
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	27.0	U		P
7440-50-8	Copper	16.0	U		P
7439-89-6	Iron				NR
7439-92-1	Lead	1.0	U		P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	38.0	U		P
7440-09-7	Potassium				NR
7782-49-2	Selenium	1.5	~~B~~		P
7440-22-4	Silver	3.0	U		P
7440-23-5	Sodium				NR
7440-28-0	Thallium	2.0	U		P
7440-62-2	Vanadium	23.0	~~B~~	UJ	P
7440-66-6	Zinc	12.4	~~B~~		P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
CLIENT ID: TKC-SW01-C-0002 FIELD DUPLICATE OF TKC-SW01-W0002

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

TKC1C2

Lab Name: HALLIBURTON NUS Lab. Contract: TINKER AFB

Lab Code: Case No.: TNK SAS No.: SDG No.: PKGE

Matrix (soil/water): WATER Lab Sample ID: H19800E

Level (low/med): LOW Date Received: 02/06/92

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	6.0	U		P
7440-38-2	Arsenic	1.0	U		P
7440-39-3	Barium	348		~~B~~ J	P
7440-41-7	Beryllium	2.0	U		P
7440-43-9	Cadmium	4.4	~~B~~	U	P
7440-70-2	Calcium				NR
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	27.0	U		P
7440-50-8	Copper	16.0	U		P
7439-89-6	Iron				NR
7439-92-1	Lead	1.0	U		F
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	38.0	U		P
7440-09-7	Potassium				NR
7782-49-2	Selenium	1.8	~~B~~		F
7440-22-4	Silver	5.0	U		P
7440-23-5	Sodium				NR
7440-28-0	Thallium	1.0	U		F
7440-62-2	Vanadium	23.0	~~B~~	UJ	P
7440-66-6	Zinc	12.0	~~B~~		P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

CLIENT ID: TKC-SW01-C-0002 FIELD DUPLICATE OF TKC-SW01-W0002

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

TKC1C2

Lab Name: HALLIBURTON_NUS Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG6

Matrix (soil/water): WATER Lab Sample ID: P188954

Level (low/med): _____ Date Received: 02/04/92

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminium				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
---------	Cyanide	10.0	U		C

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments: TKC-SW01-C-0002 field dup. of TKC-SW01-W-0002

U.S. EPA - CLP

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

TKC1C2

Lab Name: HALLIBURTON_NUS Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG6

Matrix (soil/water): WATER Lab Sample ID: P188954

Level (low/med): _____ Date Received: 02/04/92

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminium				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
---------	Cyanide	10.0	U		C

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments: TKC-SW01-C-0002 field dup. of TKC-SW01-W-0002

U.S. EPA - CLP

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

TKC5W2

Lab Name: HALLIBURTON NUS Lab. Contract: TINKER AFB

Lab Code: Case No.: TNK SAS No.: SDG No.: PAGE

Matrix (soil/water): WATER Lab Sample ID: H198006

Level (low/med): LOW Date Received: 02/10/92

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	6.0	U		P
7440-38-2	Arsenic	1.2	~~U~~		P
7440-39-3	Barium	345		~~B~~ J	P
7440-41-7	Beryllium	2.0	U		P
7440-43-9	Cadmium	4.2	~~U~~	U	P
7440-70-2	Calcium				NR
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	27.0	U		P
7440-50-8	Copper	16.0	U		P
7439-89-6	Iron				NR
7439-92-1	Lead	1.0	U		P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	38.0	U		P
7440-09-7	Potassium				NR
7782-49-2	Selenium	1.3	~~U~~		P
7440-22-4	Silver	8.0	U		P
7440-23-5	Sodium				NR
7440-28-0	Thallium	2.0	U		P
7440-62-2	Vanadium	23.0	~~U~~	UJ	P
7440-66-6	Zinc	101			P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

CLIENT ID: TKC-SW05-W-0002 FIELD DUPLICATE OF TKC-SW05-C-0002

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

TKC5W2

Lab Name: HALLIBURTON NUS Lab. Contract: TINKER AFB

Lab Code: Case No.: TNK SAS No.: SDG No.: PK66

Matrix (soil/water): WATER Lab Sample ID: H198006

Level (low/med): LOW Date Received: 02/10/92

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	6.0	U		P
7440-38-2	Arsenic	1.2	B		P
7440-39-3	Barium	345		J	P
7440-41-7	Beryllium	2.0	U		P
7440-43-9	Cadmium	4.2	B	U	P
7440-70-2	Calcium				NR
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	27.0	U		P
7440-50-8	Copper	16.0	U		P
7439-89-6	Iron				NR
7439-92-1	Lead	1.0	U		F
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	38.0			P
7440-09-7	Potassium				NR
7782-49-2	Selenium	1.3	B		F
7440-22-4	Silver	2.0	U		P
7440-23-5	Sodium				NR
7440-28-0	Thallium	2.0	U		F
7440-62-2	Vanadium	23.0	B	UJ	P
7440-66-6	Zinc	101			P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

CLIENT ID: TKC-SW05-W-0002 FIELD DUPLICATE OF TKC-SW05-C-0002

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

TKC502

Lab Name: HALLIBURTON NUS Lab. Contract: TINKER AFB

Lab Code: Case No.: TNK SAS No.: SDG No.: PROJ

Matrix (soil/water): WATER Lab Sample ID: H198007

Level (low/med): LOW Date Received: 02/10/92

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	6.0	U		P
7440-38-2	Arsenic	1.0	U		P
7440-39-3	Barium	382		J	P
7440-41-7	Beryllium	2.4		U	P
7440-43-9	Cadmium	7.2		U	P
7440-70-2	Calcium				NR
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	27.0	U		P
7440-50-8	Copper	16.0	U		P
7439-89-6	Iron				NR
7439-92-1	Lead	1.0			P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.10			CV
7440-02-0	Nickel	38.0	U		P
7440-09-7	Potassium				NR
7782-49-2	Selenium	1.0			P
7440-22-4	Silver	3.0	U		P
7440-23-5	Sodium				NR
7440-28-0	Thallium	2.0	U		P
7440-62-2	Vanadium	23.0		UJ	P
7440-66-6	Zinc	1.8			P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
CLIENT ID: TKC-SW05-0-0002

FIELD DUPLICATE OF TKC-SW05-W-0002

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

TKC502

Lab Name: HALLIBURTON NUS Lab. Contract: TINKER AFB

Lab Code: Case No.: TNK SAS No.: SDG No.: PKGE

Matrix (soil/water): WATER Lab Sample ID: H198007

Level (low/med): LOW Date Received: 02/10/92

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	6.0	U		P
7440-38-2	Arsenic	1.0	U		P
7440-39-3	Barium	382		~~E~~ J	P
7440-41-7	Beryllium	2.4	~~B~~	U	P
7440-43-9	Cadmium	7.2		U	P
7440-70-2	Calcium				NR
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	27.0	U		P
7440-50-8	Copper	16.0	U		P
7439-89-6	Iron				NR
7439-92-1	Lead	1.0	~~B~~		P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	38.0	U		P
7440-09-7	Potassium				NR
7782-49-2	Selenium	1.0	~~B~~		P
7440-22-4	Silver	3.0	U		P
7440-23-5	Sodium				NR
7440-28-0	Thallium	2.0	U		P
7440-62-2	Vanadium	23.0	~~B~~	UJ	P
7440-66-6	Zinc	189.			P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
CLIENT ID: TKC-SW05-0-0002 FIELD DUPLICATE OF TKC-SW05-W-0002

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

TCCB1W

Lab Name: HALLIBURTON NUS Lab. Contract: TINKER AFB

Lab Code: Case No.: TNK SAS No.: SDG No.: PKGE

Matrix (soil/water): WATER Lab Sample ID: H198013

Level (low/med): LOW Date Received: 02/11/92

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	6.0	U		P
7440-38-2	Arsenic	1.1	B		P
7440-39-3	Barium	534		J	P
7440-41-7	Beryllium	2.7	B	U	P
7440-43-9	Cadmium	4.0	U		P
7440-70-2	Calcium				NR
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	27.0	U		P
7440-50-8	Copper	16.0	U		P
7439-89-6	Iron				NR
7439-92-1	Lead	1.8	B		P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	28.0	U		P
7440-09-7	Potassium				NR
7782-49-2	Selenium	1.1	B		P
7440-22-4	Silver	9.0	U		P
7440-23-5	Sodium				NR
7440-28-0	Thallium	2.0	U		P
7440-62-2	Vanadium	29.0		UJ	P
7440-66-6	Zinc	15.2	B		P
	Cyanide				NR

Color before: COLORLESS Clarity before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
CLIENT ID: TCC-SWB1-W-0002

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

TCCB1W

Lab Name: HALLIBURTON NUS Lab. Contract: TINKER AFB

Lab Code: Case No.: TNK SAS No.: SDG No.: PKGE

Matrix (soil/water): WATER Lab Sample ID: H198013

Level (low/med): LOW Date Received: 02/11/91

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	6.0	U		P
7440-38-2	Arsenic	1.1	B		P
7440-39-3	Barium	534		J	P
7440-41-7	Beryllium	2.7	B	U	P
7440-43-9	Cadmium	4.0	U		P
7440-70-2	Calcium				NR
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	27.0	U		P
7440-50-8	Copper	16.0	U		P
7439-89-6	Iron				NR
7439-92-1	Lead	1.8	B		P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	28.0	U		P
7440-09-7	Potassium				NR
7782-49-2	Selenium	1.1	B		P
7440-22-4	Silver	9.0	U		P
7440-23-5	Sodium				NR
7440-28-0	Thallium	3.0	U		P
7440-62-2	Vanadium	29.0	B	UJ	P
7440-66-6	Zinc	15.0	B		P
	Cyanide				NR

Color before: COLORLESS Clarity before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
CLIENT ID: TCC-SWB1-W-0002

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

TCCB1W

Name: HALLIBURTON_NUS Contract: _____

Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG6

trix (soil/water): WATER Lab Sample ID: P189227

vel (low/med): _____ Date Received: 02/08/92

Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminium				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
---------	Cyanide	10.0	U		C

or Before: COLORLESS Clarity Before: CLEAR Texture: _____

or After: COLORLESS Clarity After: CLEAR Artifacts: _____

ents: TCC-SWB1-W-0002

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

TCCB1W

Name: HALLIBURTON_NUS Contract: _____

Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG6

trix (soil/water): WATER Lab Sample ID: P189227

vel (low/med): _____ Date Received: 02/08/92

Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminium				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
---------	Cyanide	10.0	U		C

or Before: COLORLESS Clarity Before: CLEAR Texture: _____

or After: COLORLESS Clarity After: CLEAR Artifacts: _____

ents: TCC-SWB1-W-0002

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

TCCB2W

Lab Name: HALLIBURTON NUS Lab. Contract: TINKER AFB

Lab Code: Case No.: TNK SAS No.: SDG No.: PKG6

Matrix (soil/water): WATER Lab Sample ID: H198011

Level (low/med): LOW Date Received: 02/11/92

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	6.0	U		P
7440-38-2	Arsenic	1.2	~~B~~		P
7440-39-3	Barium	754		~~B~~ J	P
7440-41-7	Beryllium	6.5		U	P
7440-43-9	Cadmium	4.0	U		P
7440-70-2	Calcium				NR
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	27.0	U		P
7440-50-8	Copper	16.0	U		P
7439-89-6	Iron				NR
7439-92-1	Lead	1.0	U		P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	38.0	U		P
7440-09-7	Potassium				NR
7782-49-2	Selenium	1.2	~~B~~	~~U~~ J	P
7440-22-4	Silver	8.0	U		P
7440-23-5	Sodium				NR
7440-28-0	Thallium	2.0	~~U~~		P
7440-62-2	Vanadium	23.0		~~U~~ UJ	P
7440-66-6	Zinc	6.0	U		P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
CLIENT ID: TOL-SW22-W-0002

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

TCCB2W

Lab Name: HALLIBURTON NUS Lab. Contract: TINKER AFB

Lab Code: Case No.: TNK SAS No.: SDG No.: PKG6

Matrix (soil/water): WATER Lab Sample ID: H198011

Level (low/med): LOW Date Received: 02/11/91

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	6.0	U		P
7440-38-2	Arsenic	1.2	B		P
7440-39-3	Barium	754		J	P
7440-41-7	Beryllium	6.5			P
7440-43-9	Cadmium	4.0	U		P
7440-70-2	Calcium				NR
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	27.0	U		P
7440-50-8	Copper	16.0	U		P
7439-89-6	Iron				NR
7439-92-1	Lead	1.0	U		P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	38.0	U		P
7440-09-7	Potassium				NR
7782-49-2	Selenium	1.2	B	J	P
7440-22-4	Silver	8.0	U		P
7440-23-5	Sodium				NR
7440-28-0	Thallium	2.0	B		P
7440-62-2	Vanadium	33.0		UJ	P
7440-66-6	Zinc	6.0	U		P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

Client ID: TCL-SW22-W-0002

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

TCCB2W

Lab Name: HALLIBURTON_NUS Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG6

Matrix (soil/water): WATER Lab Sample ID: P189222

Level (low/med): _____ Date Received: 02/08/92

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminium				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
---------	Cyanide	10.0	U		C

Color Before: TAN Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments: TCG5WB2 W-0002

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

TCCB2W

Lab Name: HALLIBURTON_NUS Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG6

Matrix (soil/water): WATER Lab Sample ID: P189222

Level (low/med): _____ Date Received: 02/08/92

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminium				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
---------	Cyanide	10.0	U		C

Color Before: TAN Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments: TCC5WB2 W-0002

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E-17

SEMIVOLATILE ORGANIC COMPOUNDS IN SURFACE WATER - FEBRUARY 1992

E-17

SEMIVOLATILE ORGANIC COMPOUNDS IN SURFACE WATER - FEBRUARY 1992

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1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TKCSW01W0002

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS Case No.: TNK SAS No.: _____ SDG No.: PKG6

Matrix: (soil/water) WATER Lab Sample ID: P188953

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP02299201

Level: (low/med) LOW Date Received: 02/04/92

% Moisture: not dec. _____ dec. _____ Date Extracted: 02/07/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 02/29/92

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
62-75-9	N-NITROSODIMETHYLAMINE	10	U
108-95-2	PHENOL	10	U
62-53-3	ANILINE	10	U
111-44-4	BIS(2-CHLOROETHYL)ETHER	10	U
95-57-8	2-CHLOROPHENOL	10	U
541-73-1	1,3-DICHLOROBENZENE	10	U
106-46-7	1,4-DICHLOROBENZENE	10	U
100-51-6	BENZYL ALCOHOL	10	U
95-50-1	1,2-DICHLOROBENZENE	10	U
95-48-7	2-METHYLPHENOL	10	U
39638-32-9	BIS(2-CHLOROISOPROPYL)ETHER	10	U
106-44-5	4-METHYLPHENOL	10	U
621-64-7	N-NITROSO-DI-N-PROPYLAMINE	10	U
67-72-1	HEXACHLOROETHANE	10	U
98-95-3	NITROBENZENE	10	U
78-59-1	ISOPHORONE	10	U
88-75-5	2-NITROPHENOL	10	U
105-67-9	2,4-DIMETHYLPHENOL	10	U
111-91-1	BIS(2-CHLOROETHOXY)METHANE	10	U
120-83-2	2,4-DICHLOROPHENOL	10	U
120-82-1	1,2,4-TRICHLOROBENZENE	10	U
91-20-3	NAPHTHALENE	10	U
106-47-8	4-CHLOROANILINE	10	U
87-68-3	HEXACHLOROBUTADIENE	10	U
59-50-7	4-CHLORO-3-METHYLPHENOL	10	U
91-57-6	2-METHYLNAPHTHALENE	10	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TKCSW01W0002

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS Case No.: TNK SAS No.: _____ SDG No.: PKG6

Matrix: (soil/water) WATER Lab Sample ID: P188953

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP02299201

Level: (low/med) LOW Date Received: 02/04/92

% Moisture: not dec. ____ dec. ____ Date Extracted: 02/07/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 02/29/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
62-75-9	N-NITROSODIMETHYLAMINE	10	U
108-95-2	PHENOL	10	U
62-53-3	ANILINE	10	U
111-44-4	BIS(2-CHLOROETHYL)ETHER	10	U
95-57-8	2-CHLOROPHENOL	10	U
541-73-1	1,3-DICHLOROBENZENE	10	U
106-46-7	1,4-DICHLOROBENZENE	10	U
100-51-6	BENZYL ALCOHOL	10	U
95-50-1	1,2-DICHLOROBENZENE	10	U
95-48-7	2-METHYLPHENOL	10	U
39638-32-9	BIS(2-CHLOROISOPROPYL)ETHER	10	U
106-44-5	4-METHYLPHENOL	10	U
621-64-7	N-NITROSO-DI-N-PROPYLAMINE	10	U
67-72-1	HEXACHLOROETHANE	10	U
98-95-3	NITROBENZENE	10	U
78-59-1	ISOPHORONE	10	U
88-75-5	2-NITROPHENOL	10	U
105-67-9	2,4-DIMETHYLPHENOL	10	U
111-91-1	BIS(2-CHLOROETHOXY)METHANE	10	U
120-83-2	2,4-DICHLOROPHENOL	10	U
120-82-1	1,2,4-TRICHLOROBENZENE	10	U
91-20-3	NAPHTHALENE	10	U
106-47-8	4-CHLOROANILINE	10	U
87-68-3	HEXACHLOROBUTADIENE	10	U
59-50-7	4-CHLORO-3-METHYLPHENOL	10	U
91-57-6	2-METHYLNAPHTHALENE	10	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TKCSW01W(

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS Case No.: TNK SAS No.: _____ SDG No.: PKG6

Matrix: (soil/water) WATER Lab Sample ID: P188953

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP02299201

Level: (low/med) LOW Date Received: 02/04/92

% Moisture: not dec. ____ dec. ____ Date Extracted: 02/07/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 02/29/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
77-47-4	HEXACHLOROCYCLOPENTADIENE	10	U
88-06-2	2,4,6-TRICHLOROPHENOL	10	U
95-95-4	2,4,5-TRICHLOROPHENOL	50	U
91-58-7	2-CHLORONAPHTHALENE	10	U
88-74-4	2-NITROANILINE	50	U
131-11-3	DIMETHYLPHTHALATE	10	U
208-96-8	ACENAPHTHYLENE	10	U
606-20-2	2,6-DINITRITOLUENE	10	U
99-09-2	3-NITROANILINE	50	U
83-32-9	ACENAPHTHENE	10	U
51-28-5	2,4-DINITROPHENOL	50	U
100-02-7	4-NITROPHENOL	50	U
132-64-9	DIBENZOFURAN	10	U
121-14-2	2,4-DINITROTOLUENE	10	U
84-66-2	DIETHYLPHTHALATE	10	U
7005-72-3	4-CHLOROPHENYL-PHENYLETHER	10	U
86-73-7	FLUORENE	10	U
100-10-6	4-NITROANILINE	50	U
534-52-1	4,6-DINITRO-2-METHYLPHENOL	50	U
86-30-6	N-NITROSODIPHENYLAMINE (1)	10	U
101-55-3	4-BROMOPHENYL-PHENYLETHER	10	U
118-74-1	HEXACHLOROBENZENE	10	U
87-86-5	PENTACHLOROPHENOL	50	U
85-01-8	PHENANTHRENE	10	U
120-12-7	ANTHRACENE	10	U
84-74-2	DI-N-BUTYLPHTHALATE	10	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TKCSW01W(

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS Case No.: TNK SAS No.: _____ SDG No.: PKG6

Matrix: (soil/water) WATER Lab Sample ID: P188953

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP02299201

Level: (low/med) LOW Date Received: 02/04/92

% Moisture: not dec. ____ dec. ____ Date Extracted: 02/07/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 02/29/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
77-47-4	HEXACHLOROCYCLOPENTADIENE	10	U
88-06-2	2,4,6-TRICHLOROPHENOL	10	U
95-95-4	2,4,5-TRICHLOROPHENOL	50	U
91-58-7	2-CHLORONAPHTHALENE	10	U
88-74-4	2-NITROANILINE	50	U
131-11-3	DIMETHYLPHTHALATE	10	U
208-96-8	ACENAPHTHYLENE	10	U
606-20-2	2,6-DINITRITOLUENE	10	U
99-09-2	3-NITROANILINE	50	U
83-32-9	ACENAPHTHENE	10	U
51-28-5	2,4-DINITROPHENOL	50	U
100-02-7	4-NITROPHENOL	50	U
132-64-9	DIBENZOFURAN	10	U
121-14-2	2,4-DINITROTOLUENE	10	U
84-66-2	DIETHYLPHTHALATE	10	U
7005-72-3	4-CHLOROPHENYL-PHENYLETHER	10	U
86-73-7	FLUORENE	10	U
100-10-6	4-NITROANILINE	50	U
534-52-1	4,6-DINITRO-2-METHYLPHENOL	50	U
86-30-6	N-NITROSODIPHENYLAMINE (1)	10	U
101-55-3	4-BROMOPHENYL-PHENYLETHER	10	U
118-74-1	HEXACHLOROBENZENE	10	U
87-86-5	PENTACHLOROPHENOL	50	U
85-01-8	PHENANTHRENE	10	U
120-12-7	ANTHRACENE	10	U
84-74-2	DI-N-BUTYLPHTHALATE	10	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TKCSW01W0002

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS Case No.: TNK SAS No.: _____ SDG No.: PKG6

Matrix: (soil/water) WATER Lab Sample ID: P188953

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP02299201

Level: (low/med) LOW Date Received: 02/04/92

% Moisture: not dec. ____ dec. ____ Date Extracted: 02/07/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 02/29/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
206-44-0	FLUORANTHENE	10	U
129-00-0	PYRENE	10	U
85-68-7	BUTYLBENZYLPHTHALATE	10	U
91-94-1	3,3'-DICHLOROBENZIDINE	20	U
56-55-3	BENZO(A)ANTHRACENE	10	U
218-01-9	CHRYSENE	10	U
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	6	~~J~~
117-84-0	DI-N-OCTYL PHTHALATE	14	J
205-99-2	BENZO(B)FLUORANTHENE	10	U
207-08-9	BENZO(K)FLUORANTHENE	10	U
50-32-8	BENZO(A)PYRENE	10	U
193-39-5	INDENO(1,2,3-CD)PYRENE	10	U
53-70-3	DIBENZO(A,H)ANTHRACENE	10	U
191-24-2	BENZO(G,H,I)PERYLENE	10	U
58-90-2	2,3,4,6-TETRACHLOROPHENOL	10	U
109-06-8	2-PICOLINE	10	U
62-50-0	METHANESULFONIC ACID, ETHYL E	10	U
100-75-4	N-NITROSOPIPERIDINE	20	U
87-65-0	2,6-DICHLOROPHENOL	10	U
924-16-3	NITROSO-DI-N-BUTYLAMINE	10	U
66-27-3	METHANESULFONIC ACID, METHYL	10	U
98-86-2	ACETOPHENONE	10	U
122-09-8	A,A-DIMETHYLPHENETHYLAMINE	10	~~U~~ J
608-93-5	PENTACHLOROBENZENE	10	U
92-67-1	4-AMINOBIPHENYL	10	U
60-11-7	P-DIMETHYLAMINOAZOBENZENE	10	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TKCSW01W0002

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS Case No.: TNK SAS No.: _____ SDG No.: PKG6

Matrix: (soil/water) WATER Lab Sample ID: P188953

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP02299201

Level: (low/med) LOW Date Received: 02/04/92

% Moisture: not dec. ____ dec. ____ Date Extracted: 02/07/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 02/29/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
206-44-0	FLUORANTHENE	10	U
129-00-0	PYRENE	10	U
85-68-7	BUTYLBENZYLPHTHALATE	10	U
91-94-1	3,3'-DICHLOROBENZIDINE	20	U
56-55-3	BENZO(A)ANTHRACENE	10	U
218-01-9	CHRYSENE	10	U
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	6	~~J~~ J
117-84-0	DI-N-OCTYL PHTHALATE	14	~~J~~ J
205-99-2	BENZO(B)FLUORANTHENE	10	U
207-08-9	BENZO(K)FLUORANTHENE	10	U
50-32-8	BENZO(A)PYRENE	10	U
193-39-5	INDENO(1,2,3-CD)PYRENE	10	U
53-70-3	DIBENZO(A,H)ANTHRACENE	10	U
191-24-2	BENZO(G,H,I)PERYLENE	10	U
58-90-2	2,3,4,6-TETRACHLOROPHENOL	10	U
109-06-8	2-PICOLINE	10	U
62-50-0	METHANESULFONIC ACID, ETHYL E	10	U
100-75-4	N-NITROSOPIPERIDINE	20	U
87-65-0	2,6-DICHLOROPHENOL	10	U
924-16-3	NITROSO-DI-N-BUTYLAMINE	10	U
66-27-3	METHANESULFONIC ACID, METHYL	10	U
98-86-2	ACETOPHENONE	10	U
122-09-8	A,A-DIMETHYLPHENETHYLAMINE	10	~~U~~ J
608-93-5	PENTACHLOROBENZENE	10	U
92-67-1	4-AMINOBIPHENYL	10	U
60-11-7	P-DIMETHYLAMINOAZOBENZENE	10	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TKCSW01W

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS Case No.: TNK SAS No.: _____ SDG No.: PKG6

Matrix: (soil/water) WATER Lab Sample ID: P188953

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP02299201

Level: (low/med) LOW Date Received: 02/04/92

% Moisture: not dec. ____ dec. ____ Date Extracted: 02/07/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 02/29/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
57-97-6	7,12-DIMETHYLBENZ(A)ANTHRACEN	50	U
95-94-3	1,2,4,5-TETRACHLOROBENZENE	10	U
122-39-4	DIPHENYLAMINE	10	U
62-44-2	PHENACETIN	10	U
56-49-5	3-METHYLCHOLANTHRENE	10	U
23950-58-5	PRONAMIDE	10	U
91-59-8	2-NAPHTHALENEAMINE	10	U
106-50-3	P-PHENYLENEDIAMINE	50	U
120-58-1	ISOSAFROLE	10	U
99-55-8	5-NITRO-O-TOLUIDINE	10	U
56-57-5	4-NITROQUINOLINE 1-OXIDE	50	U
91-80-5	METHYAPYRILENE	10	U
781-73-7	2-ACETYLAMINOFLUORENE	10	U
10595-95-6	N-NITROSOMETHYLETHYLAMINE	10	U
55-18-5	N-NITROSODIETHYLAMINE	10	U
930-55-2	N-NITROSOPYRROLIDINE	10	U
59-89-2	N-NITROSOMORPHOLINE	10	U
95-53-4	O-TOLUIDINE	10	U
1981-0-0	0,0,0-TRIETHYLPHOSPHOROTHIOAT	50	U
94-59-7	SAFROLE	10	U
130-15-4	1,4-NAPHTHOQUINONE	50	U
99-35-4	SYM-TRINITROBENZENE	50	U
1888-71-7	HEXACHLOROPROPENE	50	U
99-65-0	M-DINITROBENZENE	20	U
612-82-8	3,3'-DIMETHYLBENZIDINE	0	U
70-30-4	HEXACHLOROPHENE	1000	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TKCSW01W

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS Case No.: TNK SAS No.: _____ SDG No.: PKG6

Matrix: (soil/water) WATER Lab Sample ID: P188953

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP02299201

Level: (low/med) LOW Date Received: 02/04/92

% Moisture: not dec. ____ dec. ____ Date Extracted: 02/07/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 02/29/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
57-97-6	7,12-DIMETHYLBENZ(A)ANTHRACEN	50	U
95-94-3	1,2,4,5-TETRACHLOROBENZENE	10	U
122-39-4	DIPHENYLAMINE	10	U
62-44-2	PHENACETIN	10	U
56-49-5	3-METHYLCHOLANTHRENE	10	U
23950-58-5	PRONAMIDE	10	U
91-59-8	2-NAPHTHALENEAMINE	10	U
106-50-3	P-PHENYLENEDIAMINE	50	U
120-58-1	ISOSAFROLE	10	U
99-55-8	5-NITRO-O-TOLUIDINE	10	U
56-57-5	4-NITROQUINOLINE 1-OXIDE	50	U
91-80-5	METHYAPYRILENE	10	U
781-73-7	2-ACETYLAMINOFLUORENE	10	U
10595-95-6	N-NITROSOMETHYLETHYLAMINE	10	U
55-18-5	N-NITROSODIETHYLAMINE	10	U
930-55-2	N-NITROSOPYRROLIDINE	10	U
59-89-2	N-NITROSOMORPHOLINE	10	U
95-53-4	O-TOLUIDINE	10	U
1981-0-0	0,0,0-TRIETHYLPHOSPHOROTHIOAT	50	U
94-59-7	SAFROLE	10	U
130-15-4	1,4-NAPHTHOQUINONE	50	U
99-35-4	SYM-TRINITROBENZENE	50	U
1888-71-7	HEXACHLOROPROPENE	50	U
99-65-0	M-DINITROBENZENE	20	U
612-82-8	3,3'-DIMETHYLBENZIDINE	0	U
70-30-4	HEXACHLOROPHENE	1000	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TKCSW01W0002

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS Case No.: TNK SAS No.: _____ SDG No.: PKG6

Matrix: (soil/water) WATER Lab Sample ID: P188953

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP02299201

Level: (low/med) LOW Date Received: 02/04/92

% Moisture: not dec. ____ dec. ____ Date Extracted: 02/07/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 02/29/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
60-51-5	DIMETHOATE	10	U
2303-16-4	DIALLATE	10	U
110-86-1	PYRIDINE	10	U
140-57-8	ARAMITE	50	U
88-85-7	2-SEC-BUTYL-4,6-DINITROPHENOL	10	U
108-39-4	M-CRESOL	10	U
82-68-8	PENTACHLORONITROBENZENE	50	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TKCSW01W0002

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS Case No.: TNK SAS No.: _____ SDG No.: PKG6

Matrix: (soil/water) WATER Lab Sample ID: P188953

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP02299201

Level: (low/med) LOW Date Received: 02/04/92

% Moisture: not dec. ____ dec. ____ Date Extracted: 02/07/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 02/29/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
60-51-5	DIMETHOATE	10	U
2303-16-4	DIALLATE	10	U
110-86-1	PYRIDINE	10	U
140-57-8	ARAMITE	50	U
88-85-7	2-SEC-BUTYL-4,6-DINITROPHENOL	10	U
108-39-4	M-CRESOL	10	U
82-68-8	PENTACHLORONITROBENZENE	50	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TKCSW01C(

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS Case No.: TNK SAS No.: _____ SDG No.: PKG6

Matrix: (soil/water) WATER Lab Sample ID: P188954

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP02299202

Level: (low/med) LOW Date Received: 02/04/92

% Moisture: not dec. ____ dec. ____ Date Extracted: 02/07/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 02/29/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
62-75-9	N-NITROSODIMETHYLAMINE	10	U
108-95-2	PHENOL	10	U
62-53-3	ANILINE	10	U
111-44-4	BIS(2-CHLOROETHYL)ETHER	10	U
95-57-8	2-CHLOROPHENOL	10	U
541-73-1	1,3-DICHLOROBENZENE	10	U
106-46-7	1,4-DICHLOROBENZENE	10	U
100-51-6	BENZYL ALCOHOL	10	U
95-50-1	1,2-DICHLOROBENZENE	10	U
95-48-7	2-METHYLPHENOL	10	U
39638-32-9	BIS(2-CHLOROISOPROPYL)ETHER	10	U
106-44-5	4-METHYLPHENOL	10	U
621-64-7	N-NITROSO-DI-N-PROPYLAMINE	10	U
67-72-1	HEXACHLOROETHANE	10	U
98-95-3	NITROBENZENE	10	U
78-59-1	ISOPHORONE	10	U
88-75-5	2-NITROPHENOL	10	U
105-67-9	2,4-DIMETHYLPHENOL	10	U
111-91-1	BIS(2-CHLOROETHOXY)METHANE	10	U
120-83-2	2,4-DICHLOROPHENOL	10	U
120-82-1	1,2,4-TRICHLOROBENZENE	10	U
91-20-3	NAPHTHALENE	10	U
106-47-8	4-CHLOROANILINE	10	U
87-68-3	HEXACHLOROBUTADIENE	10	U
59-50-7	4-CHLORO-3-METHYLPHENOL	10	U
91-57-6	2-METHYLNAPHTHALENE	10	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TKCSW01C(

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS Case No.: TNK SAS No.: _____ SDG No.: PKG6

Matrix: (soil/water) WATER Lab Sample ID: P188954

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP02299202

Level: (low/med) LOW Date Received: 02/04/92

% Moisture: not dec. ____ dec. ____ Date Extracted: 02/07/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 02/29/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
62-75-9	N-NITROSODIMETHYLAMINE	10	U
108-95-2	PHENOL	10	U
62-53-3	ANILINE	10	U
111-44-4	BIS(2-CHLOROETHYL)ETHER	10	U
95-57-8	2-CHLOROPHENOL	10	U
541-73-1	1,3-DICHLOROBENZENE	10	U
106-46-7	1,4-DICHLOROBENZENE	10	U
100-51-6	BENZYL ALCOHOL	10	U
95-50-1	1,2-DICHLOROBENZENE	10	U
95-48-7	2-METHYLPHENOL	10	U
39638-32-9	BIS(2-CHLOROISOPROPYL)ETHER	10	U
106-44-5	4-METHYLPHENOL	10	U
621-64-7	N-NITROSO-DI-N-PROPYLAMINE	10	U
67-72-1	HEXACHLOROETHANE	10	U
98-95-3	NITROBENZENE	10	U
78-59-1	ISOPHORONE	10	U
88-75-5	2-NITROPHENOL	10	U
105-67-9	2,4-DIMETHYLPHENOL	10	U
111-91-1	BIS(2-CHLOROETHOXY)METHANE	10	U
120-83-2	2,4-DICHLOROPHENOL	10	U
120-82-1	1,2,4-TRICHLOROBENZENE	10	U
91-20-3	NAPHTHALENE	10	U
106-47-8	4-CHLOROANILINE	10	U
87-68-3	HEXACHLOROBUTADIENE	10	U
59-50-7	4-CHLORO-3-METHYLPHENOL	10	U
91-57-6	2-METHYLNAPHTHALENE	10	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TKCSW01C0002

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS Case No.: TNK SAS No.: _____ SDG No.: PKG6

Matrix: (soil/water) WATER Lab Sample ID: P188954

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP02299202

Level: (low/med) LOW Date Received: 02/04/92

% Moisture: not dec. ____ dec. ____ Date Extracted: 02/07/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 02/29/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
77-47-4	HEXACHLOROCYCLOPENTADIENE	10	U
88-06-2	2,4,6-TRICHLOROPHENOL	10	U
95-95-4	2,4,5-TRICHLOROPHENOL	50	U
91-58-7	2-CHLORONAPHTHALENE	10	U
88-74-4	2-NITROANILINE	50	U
131-11-3	DIMETHYLPHTHALATE	10	U
208-96-8	ACENAPHTHYLENE	10	U
606-20-2	2,6-DINITRITOLUENE	10	U
99-09-2	3-NITROANILINE	50	U
83-32-9	ACENAPHTHENE	10	U
51-28-5	2,4-DINITROPHENOL	50	U
100-02-7	4-NITROPHENOL	50	U
132-64-9	DIBENZOFURAN	10	U
121-14-2	2,4-DINITROTOLUENE	10	U
84-66-2	DIETHYLPHTHALATE	10	U
7005-72-3	4-CHLOROPHENYL-PHENYLETHER	10	U
86-73-7	FLUORENE	10	U
100-10-6	4-NITROANILINE	50	U
534-52-1	4,6-DINITRO-2-METHYLPHENOL	50	U
86-30-6	N-NITROSODIPHENYLAMINE (1)	10	U
101-55-3	4-BROMOPHENYL-PHENYLETHER	10	U
118-74-1	HEXACHLOROBENZENE	10	U
87-86-5	PENTACHLOROPHENOL	50	U
85-01-8	PHENANTHRENE	10	U
120-12-7	ANTHRACENE	10	U
84-74-2	DI-N-BUTYLPHTHALATE	10	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TKCSW01C0002

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS Case No.: TNK SAS No.: _____ SDG No.: PKG6

Matrix: (soil/water) WATER Lab Sample ID: P188954

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP02299202

Level: (low/med) LOW Date Received: 02/04/92

% Moisture: not dec. ____ dec. ____ Date Extracted: 02/07/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 02/29/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
77-47-4	HEXACHLOROCYCLOPENTADIENE	10	U
88-06-2	2,4,6-TRICHLOROPHENOL	10	U
95-95-4	2,4,5-TRICHLOROPHENOL	50	U
91-58-7	2-CHLORONAPHTHALENE	10	U
88-74-4	2-NITROANILINE	50	U
131-11-3	DIMETHYLPHTHALATE	10	U
208-96-8	ACENAPHTHYLENE	10	U
606-20-2	2,6-DINITRITOLUENE	10	U
99-09-2	3-NITROANILINE	50	U
83-32-9	ACENAPHTHENE	10	U
51-28-5	2,4-DINITROPHENOL	50	U
100-02-7	4-NITROPHENOL	50	U
132-64-9	DIBENZOFURAN	10	U
121-14-2	2,4-DINITROTOLUENE	10	U
84-66-2	DIETHYLPHTHALATE	10	U
7005-72-3	4-CHLOROPHENYL-PHENYLETHER	10	U
86-73-7	FLUORENE	10	U
100-10-6	4-NITROANILINE	50	U
534-52-1	4,6-DINITRO-2-METHYLPHENOL	50	U
86-30-6	N-NITROSODIPHENYLAMINE (1)	10	U
101-55-3	4-BROMOPHENYL-PHENYLETHER	10	U
118-74-1	HEXACHLOROBENZENE	10	U
87-86-5	PENTACHLOROPHENOL	50	U
85-01-8	PHENANTHRENE	10	U
120-12-7	ANTHRACENE	10	U
84-74-2	DI-N-BUTYLPHTHALATE	10	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TKCSW01C

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS Case No.: TNK SAS No.: _____ SDG No.: PKG6

Matrix: (soil/water) WATER Lab Sample ID: P188954

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP02299202

Level: (low/med) LOW Date Received: 02/04/92

% Moisture: not dec. ____ dec. ____ Date Extracted: 02/07/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 02/29/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
206-44-0	FLUORANTHENE	10	U
129-00-0	PYRENE	10	U
85-68-7	BUTYLBENZYLPHTHALATE	10	U
91-94-1	3,3'-DICHLOROBENZIDINE	20	U
56-55-3	BENZO(A)ANTHRACENE	10	U
218-01-9	CHRYSENE	10	U
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	10	U
117-84-0	DI-N-OCTYL PHTHALATE	10	U
205-99-2	BENZO(B)FLUORANTHENE	10	U
207-08-9	BENZO(K)FLUORANTHENE	10	U
50-32-8	BENZO(A)PYRENE	10	U
193-39-5	INDENO(1,2,3-CD)PYRENE	10	U
53-70-3	DIBENZO(A,H)ANTHRACENE	10	U
191-24-2	BENZO(G,H,I)PERYLENE	10	U
58-90-2	2,3,4,6-TETRACHLOROPHENOL	10	U
109-06-8	2-PICOLINE	10	U
62-50-0	METHANESULFONIC ACID, ETHYL E	10	U
100-75-4	N-NITROSOPIPERIDINE	20	U
87-65-0	2,6-DICHLOROPHENOL	10	U
924-16-3	NITROSO-DI-N-BUTYLAMINE	10	U
66-27-3	METHANESULFONIC ACID, METHYL	10	U
98-86-2	ACETOPHENONE	10	U
122-09-8	A,A-DIMETHYLPHENETHYLAMINE	10	U
608-93-5	PENTACHLOROBENZENE	10	U
92-67-1	4-AMINOBIPHENYL	10	U
60-11-7	P-DIMETHYLAMINOAZOBENZENE	10	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TKCSW01C

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS Case No.: TNK SAS No.: _____ SDG No.: PKG6

Matrix: (soil/water) WATER Lab Sample ID: P188954

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP02299202

Level: (low/med) LOW Date Received: 02/04/92

% Moisture: not dec. _____ dec. _____ Date Extracted: 02/07/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 02/29/92

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
206-44-0	FLUORANTHENE	10	U
129-00-0	PYRENE	10	U
85-68-7	BUTYLBENZYLPHTHALATE	10	U
91-94-1	3,3'-DICHLOROBENZIDINE	20	U
56-55-3	BENZO(A)ANTHRACENE	10	U
218-01-9	CHRYSENE	10	U
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	10	U
117-84-0	DI-N-OCTYL PHTHALATE	10	U UJ
205-99-2	BENZO(B)FLUORANTHENE	10	U
207-08-9	BENZO(K)FLUORANTHENE	10	U
50-32-8	BENZO(A)PYRENE	10	U
193-39-5	INDENO(1,2,3-CD)PYRENE	10	U
53-70-3	DIBENZO(A,H)ANTHRACENE	10	U
191-24-2	BENZO(G,H,I)PERYLENE	10	U
58-90-2	2,3,4,6-TETRACHLOROPHENOL	10	U
109-06-8	2-PICOLINE	10	U
62-50-0	METHANESULFONIC ACID, ETHYL E	10	U
100-75-4	N-NITROSOPIPERIDINE	20	U
87-65-0	2,6-DICHLOROPHENOL	10	U
924-16-3	NITROSO-DI-N-BUTYLAMINE	10	U
66-27-3	METHANESULFONIC ACID, METHYL	10	U
98-86-2	ACETOPHENONE	10	U
122-09-8	A,A-DIMETHYLPHENETHYLAMINE	10	U UJ
608-93-5	PENTACHLOROBENZENE	10	U
92-67-1	4-AMINOBIPHENYL	10	U
60-11-7	P-DIMETHYLAMINOAZOBENZENE	10	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TKCSW01C0002

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS Case No.: TNK SAS No.: _____ SDG No.: PKG6

Matrix: (soil/water) WATER Lab Sample ID: P188954

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP02299202

Level: (low/med) LOW Date Received: 02/04/92

% Moisture: not dec. _____ dec. _____ Date Extracted: 02/07/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 02/29/92

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
57-97-6	7,12-DIMETHYLBENZ(A)ANTHRACEN	50	U
95-94-3	1,2,4,5-TETRACHLOROBENZENE	10	U
122-39-4	DIPHENYLAMINE	10	U
62-44-2	PHENACETIN	10	U
56-49-5	3-METHYLCHOLANTHRENE	10	U
23950-58-5	PRONAMIDE	10	U
91-59-8	2-NAPHTHALENEAMINE	10	U
106-50-3	P-PHENYLENEDIAMINE	50	U
120-58-1	ISOSAFROLE	10	U
99-55-8	5-NITRO-O-TOLUIDINE	10	U
56-57-5	4-NITROQUINOLINE 1-OXIDE	50	U
91-80-5	METHYAPYRILENE	10	U
781-73-7	2-ACETYLAMINOFLUORENE	10	U
10595-95-6	N-NITROSOMETHYLETHYLAMINE	10	U
55-18-5	N-NITROSODIETHYLAMINE	10	U
930-55-2	N-NITROSOPYRROLIDINE	10	U
59-89-2	N-NITROSOMORPHOLINE	10	U
95-53-4	O-TOLUIDINE	10	U
1981-0-0	0,0,0-TRIETHYLPHOSPHOROTHIOAT	50	U
94-59-7	SAFROLE	10	U
130-15-4	1,4-NAPHTHOQUINONE	50	U
99-35-4	SYM-TRINITROBENZENE	50	U
1888-71-7	HEXACHLOROPROPENE	50	U
99-65-0	M-DINITROBENZENE	20	U
612-82-8	3,3'-DIMETHYLBENZIDINE	0	U
70-30-4	HEXACHLOROPHENE	1000	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TKCSW01C0002

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS Case No.: TNK SAS No.: _____ SDG No.: PKG6

Matrix: (soil/water) WATER Lab Sample ID: P188954

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP02299202

Level: (low/med) LOW Date Received: 02/04/92

% Moisture: not dec. _____ dec. _____ Date Extracted: 02/07/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 02/29/92

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
57-97-6	7,12-DIMETHYLBENZ(A)ANTHRACEN	50	U
95-94-3	1,2,4,5-TETRACHLOROBENZENE	10	U
122-39-4	DIPHENYLAMINE	10	U
62-44-2	PHENACETIN	10	U
56-49-5	3-METHYLCHOLANTHRENE	10	U
23950-58-5	PRONAMIDE	10	U
91-59-8	2-NAPHTHALENEAMINE	10	U
106-50-3	P-PHENYLENEDIAMINE	50	U
120-58-1	ISOSAFROLE	10	U
99-55-8	5-NITRO-O-TOLUIDINE	10	U
56-57-5	4-NITROQUINOLINE 1-OXIDE	50	U
91-80-5	METHYAPYRILENE	10	U
781-73-7	2-ACETYLAMINOFLUORENE	10	U
10595-95-6	N-NITROSOMETHYLETHYLAMINE	10	U
55-18-5	N-NITROSODIETHYLAMINE	10	U
930-55-2	N-NITROSOPYRROLIDINE	10	U
59-89-2	N-NITROSOMORPHOLINE	10	U
95-53-4	O-TOLUIDINE	10	U
1981-0-0	0,0,0-TRIETHYLPHOSPHOROTHIOAT	50	U
94-59-7	SAFROLE	10	U
130-15-4	1,4-NAPHTHOQUINONE	50	U
99-35-4	SYM-TRINITROBENZENE	50	U
1888-71-7	HEXACHLOROPROPENE	50	U
99-65-0	M-DINITROBENZENE	20	U
612-82-8	3,3'-DIMETHYLBENZIDINE	0	U
70-30-4	HEXACHLOROPHENE	1000	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TKCSW01C0

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS Case No.: TNK SAS No.: _____ SDG No.: PKG6

Matrix: (soil/water) WATER Lab Sample ID: P188954

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP02299202

Level: (low/med) LOW Date Received: 02/04/92

% Moisture: not dec. ____ dec. ____ Date Extracted: 02/07/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 02/29/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
60-51-5	DIMETHOATE	10	U
2303-16-4	DIALLATE	10	U
110-86-1	PYRIDINE	10	U
140-57-8	ARAMITE	50	U
88-85-7	2-SEC-BUTYL-4,6-DINITROPHENOL	10	U
108-39-4	M-CRESOL	10	U
82-68-8	PENTACHLORONITROBENZENE	50	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TKCSW01C0

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS Case No.: TNK SAS No.: _____ SDG No.: PKG6

Matrix: (soil/water) WATER Lab Sample ID: P188954

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP02299202

Level: (low/med) LOW Date Received: 02/04/92

% Moisture: not dec. ____ dec. ____ Date Extracted: 02/07/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 02/29/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
60-51-5	DIMETHOATE	10	U
2303-16-4	DIALLATE	10	U
110-86-1	PYRIDINE	10	U
140-57-8	ARAMITE	50	U
88-85-7	2-SEC-BUTYL-4,6-DINITROPHENOL	10	U
108-39-4	M-CRESOL	10	U
82-68-8	PENTACHLORONITROBENZENE	50	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TKCSW05W0002

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS Case No.: TNK SAS No.: _____ SDG No.: PKG6

Matrix: (soil/water) WATER Lab Sample ID: P189149

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP02299205

Level: (low/med) LOW Date Received: 02/06/92

% Moisture: not dec. ____ dec. ____ Date Extracted: 02/10/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 02/29/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
62-75-9	N-NITROSODIMETHYLAMINE	10	U
108-95-2	PHENOL	10	U
62-53-3	ANILINE	10	U
111-44-4	BIS(2-CHLOROETHYL)ETHER	10	U
95-57-8	2-CHLOROPHENOL	10	U
541-73-1	1,3-DICHLOROBENZENE	10	U
106-46-7	1,4-DICHLOROBENZENE	10	U
100-51-6	BENZYL ALCOHOL	10	U
95-50-1	1,2-DICHLOROBENZENE	10	U
95-48-7	2-METHYLPHENOL	10	U
39638-32-9	BIS(2-CHLOROISOPROPYL)ETHER	10	U
106-44-5	4-METHYLPHENOL	10	U
621-64-7	N-NITROSO-DI-N-PROPYLAMINE	10	U
67-72-1	HEXACHLOROETHANE	10	U
98-95-3	NITROBENZENE	10	U
78-59-1	ISOPHORONE	10	U
88-75-5	2-NITROPHENOL	10	U
105-67-9	2,4-DIMETHYLPHENOL	10	U
111-91-1	BIS(2-CHLOROETHOXY)METHANE	10	U
120-83-2	2,4-DICHLOROPHENOL	10	U
120-82-1	1,2,4-TRICHLOROBENZENE	10	U
91-20-3	NAPHTHALENE	10	U
106-47-8	4-CHLOROANILINE	10	U
87-68-3	HEXACHLOROBUTADIENE	10	U
59-50-7	4-CHLORO-3-METHYLPHENOL	10	U
91-57-6	2-METHYLNAPHTHALENE	10	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TKCSW05W0002

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS Case No.: TNK SAS No.: _____ SDG No.: PKG6

Matrix: (soil/water) WATER Lab Sample ID: P189149

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP02299205

Level: (low/med) LOW Date Received: 02/06/92

% Moisture: not dec. ____ dec. ____ Date Extracted: 02/10/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 02/29/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
62-75-9	N-NITROSODIMETHYLAMINE	10	U
108-95-2	PHENOL	10	U
62-53-3	ANILINE	10	U
111-44-4	BIS(2-CHLOROETHYL)ETHER	10	U
95-57-8	2-CHLOROPHENOL	10	U
541-73-1	1,3-DICHLOROBENZENE	10	U
106-46-7	1,4-DICHLOROBENZENE	10	U
100-51-6	BENZYL ALCOHOL	10	U
95-50-1	1,2-DICHLOROBENZENE	10	U
95-48-7	2-METHYLPHENOL	10	U
39638-32-9	BIS(2-CHLOROISOPROPYL)ETHER	10	U
106-44-5	4-METHYLPHENOL	10	U
621-64-7	N-NITROSO-DI-N-PROPYLAMINE	10	U
67-72-1	HEXACHLOROETHANE	10	U
98-95-3	NITROBENZENE	10	U
78-59-1	ISOPHORONE	10	U
88-75-5	2-NITROPHENOL	10	U
105-67-9	2,4-DIMETHYLPHENOL	10	U
111-91-1	BIS(2-CHLOROETHOXY)METHANE	10	U
120-83-2	2,4-DICHLOROPHENOL	10	U
120-82-1	1,2,4-TRICHLOROBENZENE	10	U
91-20-3	NAPHTHALENE	10	U
106-47-8	4-CHLOROANILINE	10	U
87-68-3	HEXACHLOROBUTADIENE	10	U
59-50-7	4-CHLORO-3-METHYLPHENOL	10	U
91-57-6	2-METHYLNAPHTHALENE	10	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TKCSW05W

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS Case No.: TNK SAS No.: _____ SDG No.: PKG6

Matrix: (soil/water) WATER Lab Sample ID: P189149

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP02299205

Level: (low/med) LOW Date Received: 02/06/92

% Moisture: not dec. ____ dec. ____ Date Extracted: 02/10/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 02/29/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
77-47-4	HEXACHLOROCYCLOPENTADIENE	10	U
88-06-2	2,4,6-TRICHLOROPHENOL	10	U
95-95-4	2,4,5-TRICHLOROPHENOL	50	U
91-58-7	2-CHLORONAPHTHALENE	10	U
88-74-4	2-NITROANILINE	50	U
131-11-3	DIMETHYLPHTHALATE	10	U
208-96-8	ACENAPHTHYLENE	10	U
606-20-2	2,6-DINITRITOLUENE	10	U
99-09-2	3-NITROANILINE	50	U
83-32-9	ACENAPHTHENE	10	U
51-28-5	2,4-DINITROPHENOL	50	U
100-02-7	4-NITROPHENOL	50	U
132-64-9	DIBENZOFURAN	10	U
121-14-2	2,4-DINITROTOLUENE	10	U
84-66-2	DIETHYLPHTHALATE	10	U
7005-72-3	4-CHLOROPHENYL-PHENYLETHER	10	U
86-73-7	FLUORENE	10	U
100-10-6	4-NITROANILINE	50	U
534-52-1	4,6-DINITRO-2-METHYLPHENOL	50	U
86-30-6	N-NITROSODIPHENYLAMINE (1)	10	U
101-55-3	4-BROMOPHENYL-PHENYLETHER	10	U
118-74-1	HEXACHLOROBENZENE	10	U
87-86-5	PENTACHLOROPHENOL	50	U
85-01-8	PHENANTHRENE	10	U
120-12-7	ANTHRACENE	10	U
84-74-2	DI-N-BUTYLPHTHALATE	10	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TKCSW05W

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS Case No.: TNK SAS No.: _____ SDG No.: PKG6

Matrix: (soil/water) WATER Lab Sample ID: P189149

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP02299205

Level: (low/med) LOW Date Received: 02/06/92

% Moisture: not dec. ____ dec. ____ Date Extracted: 02/10/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 02/29/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
77-47-4	HEXACHLOROCYCLOPENTADIENE	10	U
88-06-2	2,4,6-TRICHLOROPHENOL	10	U
95-95-4	2,4,5-TRICHLOROPHENOL	50	U
91-58-7	2-CHLORONAPHTHALENE	10	U
88-74-4	2-NITROANILINE	50	U
131-11-3	DIMETHYLPHTHALATE	10	U
208-96-8	ACENAPHTHYLENE	10	U
606-20-2	2,6-DINITRITOLUENE	10	U
99-09-2	3-NITROANILINE	50	U
83-32-9	ACENAPHTHENE	10	U
51-28-5	2,4-DINITROPHENOL	50	U
100-02-7	4-NITROPHENOL	50	U
132-64-9	DIBENZOFURAN	10	U
121-14-2	2,4-DINITROTOLUENE	10	U
84-66-2	DIETHYLPHTHALATE	10	U
7005-72-3	4-CHLOROPHENYL-PHENYLETHER	10	U
86-73-7	FLUORENE	10	U
100-10-6	4-NITROANILINE	50	U
534-52-1	4,6-DINITRO-2-METHYLPHENOL	50	U
86-30-6	N-NITROSODIPHENYLAMINE (1)	10	U
101-55-3	4-BROMOPHENYL-PHENYLETHER	10	U
118-74-1	HEXACHLOROBENZENE	10	U
87-86-5	PENTACHLOROPHENOL	50	U
85-01-8	PHENANTHRENE	10	U
120-12-7	ANTHRACENE	10	U
84-74-2	DI-N-BUTYLPHTHALATE	10	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TKCSW05W0002

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS Case No.: TNK SAS No.: _____ SDG No.: PKG6

Matrix: (soil/water) WATER Lab Sample ID: P189149

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP02299205

Level: (low/med) LOW Date Received: 02/06/92

% Moisture: not dec. ____ dec. ____ Date Extracted: 02/10/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 02/29/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
206-44-0	FLUORANTHENE	10	U
129-00-0	PYRENE	10	U
85-68-7	BUTYLBENZYLPHTHALATE	10	U
91-94-1	3,3'-DICHLOROBENZIDINE	20	U
56-55-3	BENZO(A)ANTHRACENE	10	U
218-01-9	CHRYSENE	10	U
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	10	U
117-84-0	DI-N-OCTYL PHTHALATE	10	U
205-99-2	BENZO(B)FLUORANTHENE	10	U
207-08-9	BENZO(K)FLUORANTHENE	10	U
50-32-8	BENZO(A)PYRENE	10	U
193-39-5	INDENO(1,2,3-CD)PYRENE	10	U
53-70-3	DIBENZO(A,H)ANTHRACENE	10	U
191-24-2	BENZO(G,H,I)PERYLENE	10	U
58-90-2	2,3,4,6-TETRACHLOROPHENOL	10	U
109-06-8	2-PICOLINE	10	U
62-50-0	METHANESULFONIC ACID, ETHYL E	10	U
100-75-4	N-NITROSOPIPERIDINE	20	U
87-65-0	2,6-DICHLOROPHENOL	10	U
924-16-3	NITROSO-DI-N-BUTYLAMINE	10	U
66-27-3	METHANESULFONIC ACID, METHYL	10	U
98-86-2	ACETOPHENONE	10	U
122-09-8	A,A-DIMETHYLPHENETHYLAMINE	10	~~U~~ UJ
608-93-5	PENTACHLOROBENZENE	10	U
92-67-1	4-AMINOBIPHENYL	10	U
60-11-7	P-DIMETHYLAMINOAZOBENZENE	10	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TKCSW05W0002

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS Case No.: TNK SAS No.: _____ SDG No.: PKG6

Matrix: (soil/water) WATER Lab Sample ID: P189149

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP02299205

Level: (low/med) LOW Date Received: 02/06/92

% Moisture: not dec. ____ dec. ____ Date Extracted: 02/10/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 02/29/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
206-44-0	FLUORANTHENE	10	U
129-00-0	PYRENE	10	U
85-68-7	BUTYLBENZYLPHTHALATE	10	U
91-94-1	3,3'-DICHLOROBENZIDINE	20	U
56-55-3	BENZO(A)ANTHRACENE	10	U
218-01-9	CHRYSENE	10	U
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	10	U
117-84-0	DI-N-OCTYL PHTHALATE	10	U
205-99-2	BENZO(B)FLUORANTHENE	10	U
207-08-9	BENZO(K)FLUORANTHENE	10	U
50-32-8	BENZO(A)PYRENE	10	U
193-39-5	INDENO(1,2,3-CD)PYRENE	10	U
53-70-3	DIBENZO(A,H)ANTHRACENE	10	U
191-24-2	BENZO(G,H,I)PERYLENE	10	U
58-90-2	2,3,4,6-TETRACHLOROPHENOL	10	U
109-06-8	2-PICOLINE	10	U
62-50-0	METHANESULFONIC ACID, ETHYL E	10	U
100-75-4	N-NITROSOPIPERIDINE	20	U
87-65-0	2,6-DICHLOROPHENOL	10	U
924-16-3	NITROSO-DI-N-BUTYLAMINE	10	U
66-27-3	METHANESULFONIC ACID, METHYL	10	U
98-86-2	ACETOPHENONE	10	U
122-09-8	A,A-DIMETHYLPHENETHYLAMINE	10	~~U~~ UJ
608-93-5	PENTACHLOROBENZENE	10	U
92-67-1	4-AMINOBIPHENYL	10	U
60-11-7	P-DIMETHYLAMINOAZOBENZENE	10	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TKCSW05W0(

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS Case No.: TNK SAS No.: _____ SDG No.: PKG6

Matrix: (soil/water) WATER Lab Sample ID: P189149

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP02299205

Level: (low/med) LOW Date Received: 02/06/92

% Moisture: not dec. ____ dec. ____ Date Extracted: 02/10/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 02/29/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
57-97-6	7,12-DIMETHYLBENZ(A)ANTHRACEN	50	U
95-94-3	1,2,4,5-TETRACHLOROBENZENE	10	U
122-39-4	DIPHENYLAMINE	10	U
62-44-2	PHENACETIN	10	U
56-49-5	3-METHYLCHOLANTHRENE	10	U
23950-58-5	PRONAMIDE	10	U
91-59-8	2-NAPHTHALENEAMINE	10	U
106-50-3	P-PHENYLENEDIAMINE	50	U
120-58-1	ISOSAFROLE	10	U
99-55-8	5-NITRO-O-TOLUIDINE	10	U
56-57-5	4-NITROQUINOLINE 1-OXIDE	50	U
91-80-5	METHYAPYRILENE	10	U
781-73-7	2-ACETYLAMINOFLUORENE	10	U
10595-95-6	N-NITROSOMETHYLETHYLAMINE	10	U
55-18-5	N-NITROSODIETHYLAMINE	10	U
930-55-2	N-NITROSOPYRROLIDINE	10	U
59-89-2	N-NITROSOMORPHOLINE	10	U
95-53-4	O-TOLUIDINE	10	U
1981-0-0	0,0,0-TRIETHYLPHOSPHOROTHIOAT	50	U
94-59-7	SAFROLE	10	U
130-15-4	1,4-NAPHTHOQUINONE	50	U
99-35-4	SYM-TRINITROBENZENE	50	U
1888-71-7	HEXACHLOROPROPENE	50	U
99-65-0	M-DINITROBENZENE	20	U
612-82-8	3,3'-DIMETHYLBENZIDINE	0	U
70-30-4	HEXACHLOROPHENE	1000	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TKCSW05W0(

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS Case No.: TNK SAS No.: _____ SDG No.: PKG6

Matrix: (soil/water) WATER Lab Sample ID: P189149

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP02299205

Level: (low/med) LOW Date Received: 02/06/92

% Moisture: not dec. _____ dec. _____ Date Extracted: 02/10/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 02/29/92

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
57-97-6	7,12-DIMETHYLBENZ(A)ANTHRACEN	50	U
95-94-3	1,2,4,5-TETRACHLOROBENZENE	10	U
122-39-4	DIPHENYLAMINE	10	U
62-44-2	PHENACETIN	10	U
56-49-5	3-METHYLCHOLANTHRENE	10	U
23950-58-5	PRONAMIDE	10	U
91-59-8	2-NAPHTHALENEAMINE	10	U
106-50-3	P-PHENYLENEDIAMINE	50	U
120-58-1	ISOSAFROLE	10	U
99-55-8	5-NITRO-O-TOLUIDINE	10	U
56-57-5	4-NITROQUINOLINE 1-OXIDE	50	U
91-80-5	METHYAPYRILENE	10	U
781-73-7	2-ACETYLAMINOFLUORENE	10	U
10595-95-6	N-NITROSOMETHYLETHYLAMINE	10	U
55-18-5	N-NITROSODIETHYLAMINE	10	U
930-55-2	N-NITROSOPYRROLIDINE	10	U
59-89-2	N-NITROSOMORPHOLINE	10	U
95-53-4	O-TOLUIDINE	10	U
1981-0-0	0,0,0-TRIETHYLPHOSPHOROTHIOAT	50	U
94-59-7	SAFROLE	10	U
130-15-4	1,4-NAPHTHOQUINONE	50	U
99-35-4	SYM-TRINITROBENZENE	50	U
1888-71-7	HEXACHLOROPROPENE	50	U
99-65-0	M-DINITROBENZENE	20	U
612-82-8	3,3'-DIMETHYLBENZIDINE	0	U
70-30-4	HEXACHLOROPHENE	1000	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TKCSW05W0002

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS Case No.: TNK SAS No.: _____ SDG No.: PKG6

Matrix: (soil/water) WATER Lab Sample ID: P189149

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP02299205

Level: (low/med) LOW Date Received: 02/06/92

% Moisture: not dec. _____ dec. _____ Date Extracted: 02/10/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 02/29/92

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
60-51-5	DIMETHOATE	10	U
2303-16-4	DIALLATE	10	U
110-86-1	PYRIDINE	10	U
140-57-8	ARAMITE	50	U
88-85-7	2-SEC-BUTYL-4,6-DINITROPHENOL	10	U
108-39-4	M-CRESOL	10	U
82-68-8	PENTACHLORONITROBENZENE	50	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TKCSW05W0002

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS Case No.: TNK SAS No.: _____ SDG No.: PKG6

Matrix: (soil/water) WATER Lab Sample ID: P189149

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP02299205

Level: (low/med) LOW Date Received: 02/06/92

% Moisture: not dec. ____ dec. ____ Date Extracted: 02/10/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 02/29/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
60-51-5	DIMETHOATE	10	U
2303-16-4	DIALLATE	10	U
110-86-1	PYRIDINE	10	U
140-57-8	ARAMITE	50	U
88-85-7	2-SEC-BUTYL-4,6-DINITROPHENOL	10	U
108-39-4	M-CRESOL	10	U
82-68-8	PENTACHLORONITROBENZENE	50	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TCCSW06W

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS Case No.: TNK SAS No.: _____ SDG No.: PKG6

Matrix: (soil/water) WATER Lab Sample ID: P189026

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP02299206

Level: (low/med) LOW Date Received: 02/05/92

% Moisture: not dec. ____ dec. ____ Date Extracted: 02/10/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 02/29/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
62-75-9	N-NITROSODIMETHYLAMINE	10	U
108-95-2	PHENOL	10	U
62-53-3	ANILINE	10	U
111-44-4	BIS(2-CHLOROETHYL)ETHER	10	U
95-57-8	2-CHLOROPHENOL	10	U
541-73-1	1,3-DICHLOROBENZENE	10	U
106-46-7	1,4-DICHLOROBENZENE	10	U
100-51-6	BENZYL ALCOHOL	10	U
95-50-1	1,2-DICHLOROBENZENE	10	U
95-48-7	2-METHYLPHENOL	10	U
39638-32-9	BIS(2-CHLOROISOPROPYL)ETHER	10	U
106-44-5	4-METHYLPHENOL	10	U
621-64-7	N-NITROSO-DI-N-PROPYLAMINE	10	U
67-72-1	HEXACHLOROETHANE	10	U
98-95-3	NITROBENZENE	10	U
78-59-1	ISOPHORONE	10	U
88-75-5	2-NITROPHENOL	10	U
105-67-9	2,4-DIMETHYLPHENOL	10	U
111-91-1	BIS(2-CHLOROETHOXY)METHANE	10	U
120-83-2	2,4-DICHLOROPHENOL	10	U
120-82-1	1,2,4-TRICHLOROBENZENE	10	U
91-20-3	NAPHTHALENE	10	U
106-47-8	4-CHLOROANILINE	10	U
87-68-3	HEXACHLOROBUTADIENE	10	U
59-50-7	4-CHLORO-3-METHYLPHENOL	10	U
91-57-6	2-METHYLNAPHTHALENE	10	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TCCSW06W

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS Case No.: TNK SAS No.: _____ SDG No.: PKG6

Matrix: (soil/water) WATER Lab Sample ID: P189026

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP02299206

Level: (low/med) LOW Date Received: 02/05/92

% Moisture: not dec. ____ dec. ____ Date Extracted: 02/10/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 02/29/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
62-75-9	N-NITROSODIMETHYLAMINE	10	U
108-95-2	PHENOL	10	U
62-53-3	ANILINE	10	U
111-44-4	BIS(2-CHLOROETHYL)ETHER	10	U
95-57-8	2-CHLOROPHENOL	10	U
541-73-1	1,3-DICHLOROBENZENE	10	U
106-46-7	1,4-DICHLOROBENZENE	10	U
100-51-6	BENZYL ALCOHOL	10	U
95-50-1	1,2-DICHLOROBENZENE	10	U
95-48-7	2-METHYLPHENOL	10	U
39638-32-9	BIS(2-CHLOROISOPROPYL)ETHER	10	U
106-44-5	4-METHYLPHENOL	10	U
621-64-7	N-NITROSO-DI-N-PROPYLAMINE	10	U
67-72-1	HEXACHLOROETHANE	10	U
98-95-3	NITROBENZENE	10	U
78-59-1	ISOPHORONE	10	U
88-75-5	2-NITROPHENOL	10	U
105-67-9	2,4-DIMETHYLPHENOL	10	U
111-91-1	BIS(2-CHLOROETHOXY)METHANE	10	U
120-83-2	2,4-DICHLOROPHENOL	10	U
120-82-1	1,2,4-TRICHLOROBENZENE	10	U
91-20-3	NAPHTHALENE	10	U
106-47-8	4-CHLOROANILINE	10	U
87-68-3	HEXACHLOROBUTADIENE	10	U
59-50-7	4-CHLORO-3-METHYLPHENOL	10	U
91-57-6	2-METHYLNAPHTHALENE	10	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TCCSW06W0002

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS Case No.: TNK SAS No.: _____ SDG No.: PKG6

Matrix: (soil/water) WATER Lab Sample ID: P189026

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP02299206

Level: (low/med) LOW Date Received: 02/05/92

% Moisture: not dec. ____ dec. ____ Date Extracted: 02/10/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 02/29/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
77-47-4	HEXACHLOROCYCLOPENTADIENE	10	U
88-06-2	2,4,6-TRICHLOROPHENOL	10	U
95-95-4	2,4,5-TRICHLOROPHENOL	50	U
91-58-7	2-CHLORONAPHTHALENE	10	U
88-74-4	2-NITROANILINE	50	U
131-11-3	DIMETHYLPHTHALATE	10	U
208-96-8	ACENAPHTHYLENE	10	U
606-20-2	2,6-DINITRITOLUENE	10	U
99-09-2	3-NITROANILINE	50	U
83-32-9	ACENAPHTHENE	10	U
51-28-5	2,4-DINITROPHENOL	50	U
100-02-7	4-NITROPHENOL	50	U
132-64-9	DIBENZOFURAN	10	U
121-14-2	2,4-DINITROTOLUENE	10	U
84-66-2	DIETHYLPHTHALATE	10	U
7005-72-3	4-CHLOROPHENYL-PHENYLETHER	10	U
86-73-7	FLUORENE	10	U
100-10-6	4-NITROANILINE	50	U
534-52-1	4,6-DINITRO-2-METHYLPHENOL	50	U
86-30-6	N-NITROSODIPHENYLAMINE (1)	10	U
101-55-3	4-BROMOPHENYL-PHENYLETHER	10	U
118-74-1	HEXACHLOROBENZENE	10	U
87-86-5	PENTACHLOROPHENOL	50	U
85-01-8	PHENANTHRENE	10	U
120-12-7	ANTHRACENE	10	U
84-74-2	DI-N-BUTYLPHTHALATE	10	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TCCSW06W0002

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS Case No.: TNK SAS No.: _____ SDG No.: PKG6

Matrix: (soil/water) WATER Lab Sample ID: P189026

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP02299206

Level: (low/med) LOW Date Received: 02/05/92

% Moisture: not dec. ____ dec. ____ Date Extracted: 02/10/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 02/29/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
77-47-4	HEXACHLOROCYCLOPENTADIENE	10	U
88-06-2	2,4,6-TRICHLOROPHENOL	10	U
95-95-4	2,4,5-TRICHLOROPHENOL	50	U
91-58-7	2-CHLORONAPHTHALENE	10	U
88-74-4	2-NITROANILINE	50	U
131-11-3	DIMETHYLPHTHALATE	10	U
208-96-8	ACENAPHTHYLENE	10	U
606-20-2	2,6-DINITRITOLUENE	10	U
99-09-2	3-NITROANILINE	50	U
83-32-9	ACENAPHTHENE	10	U
51-28-5	2,4-DINITROPHENOL	50	U
100-02-7	4-NITROPHENOL	50	U
132-64-9	DIBENZOFURAN	10	U
121-14-2	2,4-DINITROTOLUENE	10	U
84-66-2	DIETHYLPHTHALATE	10	U
7005-72-3	4-CHLOROPHENYL-PHENYLETHER	10	U
86-73-7	FLUORENE	10	U
100-10-6	4-NITROANILINE	50	U
534-52-1	4,6-DINITRO-2-METHYLPHENOL	50	U
86-30-6	N-NITROSODIPHENYLAMINE (1)	10	U
101-55-3	4-BROMOPHENYL-PHENYLETHER	10	U
118-74-1	HEXACHLOROBENZENE	10	U
87-86-5	PENTACHLOROPHENOL	50	U
85-01-8	PHENANTHRENE	10	U
120-12-7	ANTHRACENE	10	U
84-74-2	DI-N-BUTYLPHTHALATE	10	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TCCSW06W

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS Case No.: TNK SAS No.: _____ SDG No.: PKG6

Matrix: (soil/water) WATER Lab Sample ID: P189026

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP02299206

Level: (low/med) LOW Date Received: 02/05/92

% Moisture: not dec. ____ dec. ____ Date Extracted: 02/10/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 02/29/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
206-44-0	FLUORANTHENE	10	U
129-00-0	PYRENE	10	U
85-68-7	BUTYLBENZYLPHTHALATE	10	U
91-94-1	3,3'-DICHLOROBENZIDINE	20	U
56-55-3	BENZO(A)ANTHRACENE	10	U
218-01-9	CHRYSENE	10	U
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	10	U
117-84-0	DI-N-OCTYL PHTHALATE	10	U
205-99-2	BENZO(B)FLUORANTHENE	10	U
207-08-9	BENZO(K)FLUORANTHENE	10	U
50-32-8	BENZO(A)PYRENE	10	U
193-39-5	INDENO(1,2,3-CD)PYRENE	10	U
53-70-3	DIBENZO(A,H)ANTHRACENE	10	U
191-24-2	BENZO(G,H,I)PERYLENE	10	U
58-90-2	2,3,4,6-TETRACHLOROPHENOL	10	U
109-06-8	2-PICOLINE	10	U
62-50-0	METHANESULFONIC ACID, ETHYL E	10	U
100-75-4	N-NITROSOPIPERIDINE	20	U
87-65-0	2,6-DICHLOROPHENOL	10	U
924-16-3	NITROSO-DI-N-BUTYLAMINE	10	U
66-27-3	METHANESULFONIC ACID, METHYL	10	U
98-86-2	ACETOPHENONE	10	U
122-09-8	A,A-DIMETHYLPHENETHYLAMINE	10	~~U~~ UJ
608-93-5	PENTACHLOROBENZENE	10	U
92-67-1	4-AMINOBIPHENYL	10	U
60-11-7	P-DIMETHYLAMINOAZOBENZENE	10	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TCCSW06W

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS Case No.: TNK SAS No.: _____ SDG No.: PKG6

Matrix: (soil/water) WATER Lab Sample ID: P189026

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP02299206

Level: (low/med) LOW Date Received: 02/05/92

% Moisture: not dec. ____ dec. ____ Date Extracted: 02/10/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 02/29/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
206-44-0	FLUORANTHENE	10	U
129-00-0	PYRENE	10	U
85-68-7	BUTYLBENZYLPHTHALATE	10	U
91-94-1	3,3'-DICHLOROBENZIDINE	20	U
56-55-3	BENZO(A)ANTHRACENE	10	U
218-01-9	CHRYSENE	10	U
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	10	U
117-84-0	DI-N-OCTYL PHTHALATE	10	U
205-99-2	BENZO(B)FLUORANTHENE	10	U
207-08-9	BENZO(K)FLUORANTHENE	10	U
50-32-8	BENZO(A)PYRENE	10	U
193-39-5	INDENO(1,2,3-CD)PYRENE	10	U
53-70-3	DIBENZO(A,H)ANTHRACENE	10	U
191-24-2	BENZO(G,H,I)PERYLENE	10	U
58-90-2	2,3,4,6-TETRACHLOROPHENOL	10	U
109-06-8	2-PICOLINE	10	U
62-50-0	METHANESULFONIC ACID, ETHYL E	10	U
100-75-4	N-NITROSOPIPERIDINE	20	U
87-65-0	2,6-DICHLOROPHENOL	10	U
924-16-3	NITROSO-DI-N-BUTYLAMINE	10	U
66-27-3	METHANESULFONIC ACID, METHYL	10	U
98-86-2	ACETOPHENONE	10	U
122-09-8	A,A-DIMETHYLPHENETHYLAMINE	10	~~U~~ UJ
608-93-5	PENTACHLOROBENZENE	10	U
92-67-1	4-AMINOBIPHENYL	10	U
60-11-7	P-DIMETHYLAMINOAZOBENZENE	10	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TCCSW06W0002

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS Case No.: TNK SAS No.: _____ SDG No.: PKG6

Matrix: (soil/water) WATER Lab Sample ID: P189026

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP02299206

Level: (low/med) LOW Date Received: 02/05/92

% Moisture: not dec. ____ dec. ____ Date Extracted: 02/10/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 02/29/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
57-97-6	7,12-DIMETHYLBENZ(A)ANTHRACEN	50	U
95-94-3	1,2,4,5-TETRACHLOROBENZENE	10	U
122-39-4	DIPHENYLAMINE	10	U
62-44-2	PHENACETIN	10	U
56-49-5	3-METHYLCHOLANTHRENE	10	U
23950-58-5	PRONAMIDE	10	U
91-59-8	2-NAPHTHALENEAMINE	10	U
106-50-3	P-PHENYLENEDIAMINE	50	U
120-58-1	ISOSAFROLE	10	U
99-55-8	5-NITRO-O-TOLUIDINE	10	U
56-57-5	4-NITROQUINOLINE 1-OXIDE	50	U
91-80-5	METHYAPYRILENE	10	U
781-73-7	2-ACETYLAMINOFLUORENE	10	U
10595-95-6	N-NITROSOMETHYLETHYLAMINE	10	U
55-18-5	N-NITROSODIETHYLAMINE	10	U
930-55-2	N-NITROSOPYRROLIDINE	10	U
59-89-2	N-NITROSOMORPHOLINE	10	U
95-53-4	O-TOLUIDINE	10	U
1981-0-0	0,0,0-TRIETHYLPHOSPHOROTHIOAT	50	U
94-59-7	SAFROLE	10	U
130-15-4	1,4-NAPHTHOQUINONE	50	U
99-35-4	SYM-TRINITROBENZENE	50	U
1888-71-7	HEXACHLOROPROPENE	50	U
99-65-0	M-DINITROBENZENE	20	U
612-82-8	3,3'-DIMETHYLBENZIDINE	0	U
70-30-4	HEXACHLOROPHENE	1000	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TCCSW06W0002

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS Case No.: TNK SAS No.: _____ SDG No.: PKG6

Matrix: (soil/water) WATER Lab Sample ID: P189026

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP02299206

Level: (low/med) LOW Date Received: 02/05/92

% Moisture: not dec. ____ dec. ____ Date Extracted: 02/10/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 02/29/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
57-97-6	7,12-DIMETHYLBENZ(A)ANTHRACEN	50	U
95-94-3	1,2,4,5-TETRACHLOROBENZENE	10	U
122-39-4	DIPHENYLAMINE	10	U
62-44-2	PHENACETIN	10	U
56-49-5	3-METHYLCHOLANTHRENE	10	U
23950-58-5	PRONAMIDE	10	U
91-59-8	2-NAPHTHALENEAMINE	10	U
106-50-3	P-PHENYLENEDIAMINE	50	U
120-58-1	ISOSAFROLE	10	U
99-55-8	5-NITRO-O-TOLUIDINE	10	U
56-57-5	4-NITROQUINOLINE 1-OXIDE	50	U
91-80-5	METHYAPYRILENE	10	U
781-73-7	2-ACETYLAMINOFLUORENE	10	U
10595-95-6	N-NITROSOMETHYLETHYLAMINE	10	U
55-18-5	N-NITROSODIETHYLAMINE	10	U
930-55-2	N-NITROSOPYRROLIDINE	10	U
59-89-2	N-NITROSOMORPHOLINE	10	U
95-53-4	O-TOLUIDINE	10	U
1981-0-0	0,0,0-TRIETHYLPHOSPHOROTHIOAT	50	U
94-59-7	SAFROLE	10	U
130-15-4	1,4-NAPHTHOQUINONE	50	U
99-35-4	SYM-TRINITROBENZENE	50	U
1888-71-7	HEXACHLOROPROPENE	50	U
99-65-0	M-DINITROBENZENE	20	U
612-82-8	3,3'-DIMETHYLBENZIDINE	0	U
70-30-4	HEXACHLOROPHENE	1000	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TCCSW06W(

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS Case No.: TNK SAS No.: _____ SDG No.: PKG6

Matrix: (soil/water) WATER Lab Sample ID: P189026

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP02299206

Level: (low/med) LOW Date Received: 02/05/92

% Moisture: not dec. ____ dec. ____ Date Extracted: 02/10/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 02/29/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
60-51-5	DIMETHOATE	10	U
2303-16-4	DIALLATE	10	U
110-86-1	PYRIDINE	10	U
140-57-8	ARAMITE	50	U
88-85-7	2-SEC-BUTYL-4,6-DINITROPHENOL	10	U
108-39-4	M-CRESOL	10	U
82-68-8	PENTACHLORONITROBENZENE	50	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TCCSW06W(

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS Case No.: TNK SAS No.: _____ SDG No.: PKG6

Matrix: (soil/water) WATER Lab Sample ID: P189026

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP02299206

Level: (low/med) LOW Date Received: 02/05/92

% Moisture: not dec. ____ dec. ____ Date Extracted: 02/10/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 02/29/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
60-51-5	DIMETHOATE	10	U
2303-16-4	DIALLATE	10	U
110-86-1	PYRIDINE	10	U
140-57-8	ARAMITE	50	U
88-85-7	2-SEC-BUTYL-4,6-DINITROPHENOL	10	U
108-39-4	M-CRESOL	10	U
82-68-8	PENTACHLORONITROBENZENE	50	U

SAMPLE NO.

TCCSW15W0002

1X
ORGANICS ANALYSIS DATA SHEET

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS Case No.: TNK SAS No.: _____ SDG No.: PKG6

Matrix: (soil/water) WATER Lab Sample ID: P189029

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP02299207

Level: (low/med) LOW Date Received: 02/05/92

% Moisture: not dec. ____ dec. ____ Date Extracted: 02/10/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 02/29/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
62-75-9	N-NITROSODIMETHYLAMINE	10	U
108-95-2	PHENOL	10	U
62-53-3	ANILINE	10	U
111-44-4	BIS(2-CHLOROETHYL)ETHER	10	U
95-57-8	2-CHLOROPHENOL	10	U
541-73-1	1,3-DICHLOROBENZENE	10	U
106-46-7	1,4-DICHLOROBENZENE	10	U
100-51-6	BENZYL ALCOHOL	10	U
95-50-1	1,2-DICHLOROBENZENE	10	U
95-48-7	2-METHYLPHENOL	10	U
39638-32-9	BIS(2-CHLOROISOPROPYL)ETHER	10	U
106-44-5	4-METHYLPHENOL	10	U
621-64-7	N-NITROSO-DI-N-PROPYLAMINE	10	U
67-72-1	HEXACHLOROETHANE	10	U
98-95-3	NITROBENZENE	10	U
78-59-1	ISOPHORONE	10	U
88-75-5	2-NITROPHENOL	10	U
105-67-9	2,4-DIMETHYLPHENOL	10	U
111-91-1	BIS(2-CHLOROETHOXY)METHANE	10	U
120-83-2	2,4-DICHLOROPHENOL	10	U
120-82-1	1,2,4-TRICHLOROBENZENE	10	U
91-20-3	NAPHTHALENE	10	U
106-47-8	4-CHLOROANILINE	10	U
87-68-3	HEXACHLOROBUTADIENE	10	U
59-50-7	4-CHLORO-3-METHYLPHENOL	10	U
91-57-6	2-METHYLNAPHTHALENE	10	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TCCSW15W0002

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS Case No.: TNK SAS No.: _____ SDG No.: PKG6

Matrix: (soil/water) WATER Lab Sample ID: P189029

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP02299207

Level: (low/med) LOW Date Received: 02/05/92

% Moisture: not dec. ____ dec. ____ Date Extracted: 02/10/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 02/29/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
62-75-9	N-NITROSODIMETHYLAMINE	10	U
108-95-2	PHENOL	10	U
62-53-3	ANILINE	10	U
111-44-4	BIS(2-CHLOROETHYL)ETHER	10	U
95-57-8	2-CHLOROPHENOL	10	U
541-73-1	1,3-DICHLOROBENZENE	10	U
106-46-7	1,4-DICHLOROBENZENE	10	U
100-51-6	BENZYL ALCOHOL	10	U
95-50-1	1,2-DICHLOROBENZENE	10	U
95-48-7	2-METHYLPHENOL	10	U
39638-32-9	BIS(2-CHLOROISOPROPYL)ETHER	10	U
106-44-5	4-METHYLPHENOL	10	U
621-64-7	N-NITROSO-DI-N-PROPYLAMINE	10	U
67-72-1	HEXACHLOROETHANE	10	U
98-95-3	NITROBENZENE	10	U
78-59-1	ISOPHORONE	10	U
88-75-5	2-NITROPHENOL	10	U
105-67-9	2,4-DIMETHYLPHENOL	10	U
111-91-1	BIS(2-CHLOROETHOXY)METHANE	10	U
120-83-2	2,4-DICHLOROPHENOL	10	U
120-82-1	1,2,4-TRICHLOROBENZENE	10	U
91-20-3	NAPHTHALENE	10	U
106-47-8	4-CHLOROANILINE	10	U
87-68-3	HEXACHLOROBUTADIENE	10	U
59-50-7	4-CHLORO-3-METHYLPHENOL	10	U
91-57-6	2-METHYLNAPHTHALENE	10	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TCCSW15W0

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS Case No.: TNK SAS No.: _____ SDG No.: PKG6

Matrix: (soil/water) WATER Lab Sample ID: P189029

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP02299207

Level: (low/med) LOW Date Received: 02/05/92

% Moisture: not dec. ____ dec. ____ Date Extracted: 02/10/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 02/29/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
77-47-4	HEXACHLOROCYCLOPENTADIENE	10	U
88-06-2	2,4,6-TRICHLOROPHENOL	10	U
95-95-4	2,4,5-TRICHLOROPHENOL	50	U
91-58-7	2-CHLORONAPHTHALENE	10	U
88-74-4	2-NITROANILINE	50	U
131-11-3	DIMETHYLPHTHALATE	10	U
208-96-8	ACENAPHTHYLENE	10	U
606-20-2	2,6-DINITRITOLUENE	10	U
99-09-2	3-NITROANILINE	50	U
83-32-9	ACENAPHTHENE	10	U
51-28-5	2,4-DINITROPHENOL	50	U
100-02-7	4-NITROPHENOL	50	U
132-64-9	DIBENZOFURAN	10	U
121-14-2	2,4-DINITROTOLUENE	10	U
84-66-2	DIETHYLPHTHALATE	10	U
7005-72-3	4-CHLOROPHENYL-PHENYLETHER	10	U
86-73-7	FLUORENE	10	U
100-10-6	4-NITROANILINE	50	U
534-52-1	4,6-DINITRO-2-METHYLPHENOL	50	U
86-30-6	N-NITROSODIPHENYLAMINE (1)	10	U
101-55-3	4-BROMOPHENYL-PHENYLETHER	10	U
118-74-1	HEXACHLOROBENZENE	10	U
87-86-5	PENTACHLOROPHENOL	50	U
85-01-8	PHENANTHRENE	10	U
120-12-7	ANTHRACENE	10	U
84-74-2	DI-N-BUTYLPHTHALATE	10	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TCCSW15W0

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS Case No.: TNK SAS No.: _____ SDG No.: PKG6

Matrix: (soil/water) WATER Lab Sample ID: P189029

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP02299207

Level: (low/med) LOW Date Received: 02/05/92

% Moisture: not dec. _____ dec. _____ Date Extracted: 02/10/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 02/29/92

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
77-47-4	HEXACHLOROCYCLOPENTADIENE	10	U
88-06-2	2,4,6-TRICHLOROPHENOL	10	U
95-95-4	2,4,5-TRICHLOROPHENOL	50	U
91-58-7	2-CHLORONAPHTHALENE	10	U
88-74-4	2-NITROANILINE	50	U
131-11-3	DIMETHYLPHTHALATE	10	U
208-96-8	ACENAPHTHYLENE	10	U
606-20-2	2,6-DINITRITOLUENE	10	U
99-09-2	3-NITROANILINE	50	U
83-32-9	ACENAPHTHENE	10	U
51-28-5	2,4-DINITROPHENOL	50	U
100-02-7	4-NITROPHENOL	50	U
132-64-9	DIBENZOFURAN	10	U
121-14-2	2,4-DINITROTOLUENE	10	U
84-66-2	DIETHYLPHTHALATE	10	U
7005-72-3	4-CHLOROPHENYL-PHENYLETHER	10	U
86-73-7	FLUORENE	10	U
100-10-6	4-NITROANILINE	50	U
534-52-1	4,6-DINITRO-2-METHYLPHENOL	50	U
86-30-6	N-NITROSODIPHENYLAMINE (1)	10	U
101-55-3	4-BROMOPHENYL-PHENYLETHER	10	U
118-74-1	HEXACHLOROBENZENE	10	U
87-86-5	PENTACHLOROPHENOL	50	U
85-01-8	PHENANTHRENE	10	U
120-12-7	ANTHRACENE	10	U
84-74-2	DI-N-BUTYLPHTHALATE	10	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TCCSW15W0002

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS Case No.: TNK SAS No.: _____ SDG No.: PKG6

Matrix: (soil/water) WATER Lab Sample ID: P189029

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP02299207

Level: (low/med) LOW Date Received: 02/05/92

% Moisture: not dec. ____ dec. ____ Date Extracted: 02/10/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 02/29/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
206-44-0	FLUORANTHENE	10	U
129-00-0	PYRENE	10	U
85-68-7	BUTYLBENZYLPHTHALATE	10	U
91-94-1	3,3'-DICHLOROBENZIDINE	20	U
56-55-3	BENZO(A)ANTHRACENE	10	U
218-01-9	CHRYSENE	10	U
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	10	U
117-84-0	DI-N-OCTYL PHTHALATE	10	U
205-99-2	BENZO(B)FLUORANTHENE	10	U
207-08-9	BENZO(K)FLUORANTHENE	10	U
50-32-8	BENZO(A)PYRENE	10	U
193-39-5	INDENO(1,2,3-CD)PYRENE	10	U
53-70-3	DIBENZO(A,H)ANTHRACENE	10	U
191-24-2	BENZO(G,H,I)PERYLENE	10	U
58-90-2	2,3,4,6-TETRACHLOROPHENOL	10	U
109-06-8	2-PICOLINE	10	U
62-50-0	METHANESULFONIC ACID, ETHYL E	10	U
100-75-4	N-NITROSOPIPERIDINE	20	U
87-65-0	2,6-DICHLOROPHENOL	10	U
924-16-3	NITROSO-DI-N-BUTYLAMINE	10	U
66-27-3	METHANESULFONIC ACID, METHYL	10	U
98-86-2	ACETOPHENONE	10	U
122-09-8	A,A-DIMETHYLPHENETHYLAMINE	10	U
608-93-5	PENTACHLOROBENZENE	10	U
92-67-1	4-AMINOBIPHENYL	10	U
60-11-7	P-DIMETHYLAMINOAZOBENZENE	10	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TCCSW15W0002

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS Case No.: TNK SAS No.: _____ SDG No.: PKG6

Matrix: (soil/water) WATER Lab Sample ID: P189029

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP02299207

Level: (low/med) LOW Date Received: 02/05/92

% Moisture: not dec. ____ dec. ____ Date Extracted: 02/10/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 02/29/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
206-44-0	FLUORANTHENE	10	U
129-00-0	PYRENE	10	U
85-68-7	BUTYLBENZYLPHTHALATE	10	U
91-94-1	3,3'-DICHLOROBENZIDINE	20	U
56-55-3	BENZO(A)ANTHRACENE	10	U
218-01-9	CHRYSENE	10	U
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	10	U
117-84-0	DI-N-OCTYL PHTHALATE	10	U
205-99-2	BENZO(B)FLUORANTHENE	10	U
207-08-9	BENZO(K)FLUORANTHENE	10	U
50-32-8	BENZO(A)PYRENE	10	U
193-39-5	INDENO(1,2,3-CD)PYRENE	10	U
53-70-3	DIBENZO(A,H)ANTHRACENE	10	U
191-24-2	BENZO(G,H,I)PERYLENE	10	U
58-90-2	2,3,4,6-TETRACHLOROPHENOL	10	U
109-06-8	2-PICOLINE	10	U
62-50-0	METHANESULFONIC ACID, ETHYL E	10	U
100-75-4	N-NITROSOPIPERIDINE	20	U
87-65-0	2,6-DICHLOROPHENOL	10	U
924-16-3	NITROSO-DI-N-BUTYLAMINE	10	U
66-27-3	METHANESULFONIC ACID, METHYL	10	U
98-86-2	ACETOPHENONE	10	U
122-09-8	A,A-DIMETHYLPHENETHYLAMINE	10	~~U~~ J
608-93-5	PENTACHLOROBENZENE	10	U
92-67-1	4-AMINOBIPHENYL	10	U
60-11-7	P-DIMETHYLAMINOAZOBENZENE	10	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TCCSW15W0

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS Case No.: TNK SAS No.: _____ SDG No.: PKG6

Matrix: (soil/water) WATER Lab Sample ID: P189029

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP02299207

Level: (low/med) LOW Date Received: 02/05/92

% Moisture: not dec. ____ dec. ____ Date Extracted: 02/10/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 02/29/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
57-97-6	7,12-DIMETHYLBENZ(A)ANTHRACEN	50	U
95-94-3	1,2,4,5-TETRACHLOROBENZENE	10	U
122-39-4	DIPHENYLAMINE	10	U
62-44-2	PHENACETIN	10	U
56-49-5	3-METHYLCHOLANTHRENE	10	U
23950-58-5	PRONAMIDE	10	U
91-59-8	2-NAPHTHALENEAMINE	10	U
106-50-3	P-PHENYLENEDIAMINE	50	U
120-58-1	ISOSAFROLE	10	U
99-55-8	5-NITRO-O-TOLUIDINE	10	U
56-57-5	4-NITROQUINOLINE 1-OXIDE	50	U
91-80-5	METHYAPYRILENE	10	U
781-73-7	2-ACETYLAMINOFLUORENE	10	U
10595-95-6	N-NITROSOMETHYLETHYLAMINE	10	U
55-18-5	N-NITROSODIETHYLAMINE	10	U
930-55-2	N-NITROSOPYRROLIDINE	10	U
59-89-2	N-NITROSOMORPHOLINE	10	U
95-53-4	O-TOLUIDINE	10	U
1981-0-0	0,0,0-TRIETHYLPHOSPHOROTHIOAT	50	U
94-59-7	SAFROLE	10	U
130-15-4	1,4-NAPHTHOQUINONE	50	U
99-35-4	SYM-TRINITROBENZENE	50	U
1888-71-7	HEXACHLOROPROPENE	50	U
99-65-0	M-DINITROBENZENE	20	U
612-82-8	3,3'-DIMETHYLBENZIDINE	0	U
70-30-4	HEXACHLOROPHENE	1000	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TCCSW15W0

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS Case No.: TNK SAS No.: _____ SDG No.: PKG6

Matrix: (soil/water) WATER Lab Sample ID: P189029

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP02299207

Level: (low/med) LOW Date Received: 02/05/92

% Moisture: not dec. ____ dec. ____ Date Extracted: 02/10/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 02/29/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
57-97-6	7,12-DIMETHYLBENZ(A)ANTHRACEN	50	U
95-94-3	1,2,4,5-TETRACHLOROBENZENE	10	U
122-39-4	DIPHENYLAMINE	10	U
62-44-2	PHENACETIN	10	U
56-49-5	3-METHYLCHOLANTHRENE	10	U
23950-58-5	PRONAMIDE	10	U
91-59-8	2-NAPHTHALENEAMINE	10	U
106-50-3	P-PHENYLENEDIAMINE	50	U
120-58-1	ISOSAFROLE	10	U
99-55-8	5-NITRO-O-TOLUIDINE	10	U
56-57-5	4-NITROQUINOLINE 1-OXIDE	50	U
91-80-5	METHYAPYRILENE	10	U
781-73-7	2-ACETYLAMINOFLUORENE	10	U
10595-95-6	N-NITROSOMETHYLETHYLAMINE	10	U
55-18-5	N-NITROSODIETHYLAMINE	10	U
930-55-2	N-NITROSOPYRROLIDINE	10	U
59-89-2	N-NITROSOMORPHOLINE	10	U
95-53-4	O-TOLUIDINE	10	U
1981-0-0	0,0,0-TRIETHYLPHOSPHOROTHIOAT	50	U
94-59-7	SAFROLE	10	U
130-15-4	1,4-NAPHTHOQUINONE	50	U
99-35-4	SYM-TRINITROBENZENE	50	U
1888-71-7	HEXACHLOROPROPENE	50	U
99-65-0	M-DINITROBENZENE	20	U
612-82-8	3,3'-DIMETHYLBENZIDINE	0	U
70-30-4	HEXACHLOROPHENE	1000	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO

TCCSW15W0002

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS Case No.: TNK SAS No.: _____ SDG No.: PKG6

Matrix: (soil/water) WATER Lab Sample ID: P189029

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP02299207

Level: (low/med) LOW Date Received: 02/05/92

% Moisture: not dec. ____ dec. ____ Date Extracted: 02/10/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 02/29/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
60-51-5	DIMETHOATE	10	U
2303-16-4	DIALLATE	10	U
110-86-1	PYRIDINE	10	U
140-57-8	ARAMITE	50	U
88-85-7	2-SEC-BUTYL-4,6-DINITROPHENOL	10	U
108-39-4	M-CRESOL	10	U
82-68-8	PENTACHLORONITROBENZENE	50	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO

TCCSW15W0002

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS Case No.: TNK SAS No.: _____ SDG No.: PKG6

Matrix: (soil/water) WATER Lab Sample ID: P189029

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP02299207

Level: (low/med) LOW Date Received: 02/05/92

% Moisture: not dec. ____ dec. ____ Date Extracted: 02/10/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 02/29/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
60-51-5	DIMETHOATE	10	U
2303-16-4	DIALLATE	10	U
110-86-1	PYRIDINE	10	U
140-57-8	ARAMITE	50	U
88-85-7	2-SEC-BUTYL-4,6-DINITROPHENOL	10	U
108-39-4	M-CRESOL	10	U
82-68-8	PENTACHLORONITROBENZENE	50	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TECSW22W 02

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS Case No.: TNK SAS No.: _____ SDG No.: PKG6

Matrix: (soil/water) WATER Lab Sample ID: P189214

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP03059201

Level: (low/med) LOW Date Received: 02/08/92

% Moisture: not dec. ____ dec. ____ Date Extracted: 02/13/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 03/05/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
62-75-9	N-NITROSODIMETHYLAMINE	10	U
108-95-2	PHENOL	10	U
62-53-3	ANILINE	10	U
111-44-4	BIS(2-CHLOROETHYL)ETHER	10	U
95-57-8	2-CHLOROPHENOL	10	U
541-73-1	1,3-DICHLOROBENZENE	10	U
106-46-7	1,4-DICHLOROBENZENE	10	U
100-51-6	BENZYL ALCOHOL	10	U
95-50-1	1,2-DICHLOROBENZENE	10	U
95-48-7	2-METHYLPHENOL	10	U
39638-32-9	BIS(2-CHLOROISOPROPYL)ETHER	10	U
106-44-5	4-METHYLPHENOL	10	U
621-64-7	N-NITROSO-DI-N-PROPYLAMINE	10	U
67-72-1	HEXACHLOROETHANE	10	U
98-95-3	NITROBENZENE	10	U
78-59-1	ISOPHORONE	10	U
88-75-5	2-NITROPHENOL	10	U
105-67-9	2,4-DIMETHYLPHENOL	10	U
111-91-1	BIS(2-CHLOROETHOXY)METHANE	10	U
120-83-2	2,4-DICHLOROPHENOL	10	U
120-82-1	1,2,4-TRICHLOROBENZENE	10	U
91-20-3	NAPHTHALENE	10	U
106-47-8	4-CHLOROANILINE	10	U
87-68-3	HEXACHLOROBUTADIENE	10	U
59-50-7	4-CHLORO-3-METHYLPHENOL	10	U
91-57-6	2-METHYLNAPHTHALENE	10	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO

TECSW22W 02

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS Case No.: TNK SAS No.: _____ SDG No.: PKG6

Matrix: (soil/water) WATER Lab Sample ID: P189214

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP03059201

Level: (low/med) LOW Date Received: 02/08/92

% Moisture: not dec. _____ dec. _____ Date Extracted: 02/13/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 03/05/92

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
62-75-9	N-NITROSODIMETHYLAMINE	10	U
108-95-2	PHENOL	10	U
62-53-3	ANILINE	10	U
111-44-4	BIS(2-CHLOROETHYL)ETHER	10	U
95-57-8	2-CHLOROPHENOL	10	U
541-73-1	1,3-DICHLOROBENZENE	10	U
106-46-7	1,4-DICHLOROBENZENE	10	U
100-51-6	BENZYL ALCOHOL	10	U
95-50-1	1,2-DICHLOROBENZENE	10	U
95-48-7	2-METHYLPHENOL	10	U
39638-32-9	BIS(2-CHLOROISOPROPYL)ETHER	10	U
106-44-5	4-METHYLPHENOL	10	U
621-64-7	N-NITROSO-DI-N-PROPYLAMINE	10	U
67-72-1	HEXACHLOROETHANE	10	U
98-95-3	NITROBENZENE	10	U
78-59-1	ISOPHORONE	10	U
88-75-5	2-NITROPHENOL	10	U
105-67-9	2,4-DIMETHYLPHENOL	10	U
111-91-1	BIS(2-CHLOROETHOXY)METHANE	10	U
120-83-2	2,4-DICHLOROPHENOL	10	U
120-82-1	1,2,4-TRICHLOROBENZENE	10	U
91-20-3	NAPHTHALENE	10	U
106-47-8	4-CHLOROANILINE	10	U
87-68-3	HEXACHLOROBUTADIENE	10	U
59-50-7	4-CHLORO-3-METHYLPHENOL	10	U
91-57-6	2-METHYLNAPHTHALENE	10	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TECSW22W0002

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS Case No.: TNK SAS No.: _____ SDG No.: PKG6

Matrix: (soil/water) WATER Lab Sample ID: P189214

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP03059201

Level: (low/med) LOW Date Received: 02/08/92

% Moisture: not dec. ____ dec. ____ Date Extracted: 02/13/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 03/05/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
77-47-4	HEXACHLOROCYCLOPENTADIENE	10	U
88-06-2	2,4,6-TRICHLOROPHENOL	10	U
95-95-4	2,4,5-TRICHLOROPHENOL	50	U
91-58-7	2-CHLORONAPHTHALENE	10	U
88-74-4	2-NITROANILINE	50	U
131-11-3	DIMETHYLPHTHALATE	10	U
208-96-8	ACENAPHTHYLENE	10	U
606-20-2	2,6-DINITRITOLUENE	10	U
99-09-2	3-NITROANILINE	50	U
83-32-9	ACENAPHTHENE	10	U
51-28-5	2,4-DINITROPHENOL	50	U
100-02-7	4-NITROPHENOL	50	U
132-64-9	DIBENZOFURAN	10	U
121-14-2	2,4-DINITROTOLUENE	10	U
84-66-2	DIETHYLPHTHALATE	10	U
7005-72-3	4-CHLOROPHENYL-PHENYLETHER	10	U
86-73-7	FLUORENE	10	U
100-10-6	4-NITROANILINE	50	U
534-52-1	4,6-DINITRO-2-METHYLPHENOL	50	U
86-30-6	N-NITROSODIPHENYLAMINE (1)	10	U
101-55-3	4-BROMOPHENYL-PHENYLETHER	10	U
118-74-1	HEXACHLOROBENZENE	10	U
87-86-5	PENTACHLOROPHENOL	50	U
85-01-8	PHENANTHRENE	10	U
120-12-7	ANTHRACENE	10	U
84-74-2	DI-N-BUTYLPHTHALATE	10	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TECSW22W0002

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS Case No.: TNK SAS No.: _____ SDG No.: PKG6

Matrix: (soil/water) WATER Lab Sample ID: P189214

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP03059201

Level: (low/med) LOW Date Received: 02/08/92

% Moisture: not dec. ____ dec. ____ Date Extracted: 02/13/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 03/05/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
77-47-4	HEXACHLOROCYCLOPENTADIENE	10	U
88-06-2	2,4,6-TRICHLOROPHENOL	10	U
95-95-4	2,4,5-TRICHLOROPHENOL	50	U
91-58-7	2-CHLORONAPHTHALENE	10	U
88-74-4	2-NITROANILINE	50	U
131-11-3	DIMETHYLPHTHALATE	10	U
208-96-8	ACENAPHTHYLENE	10	U
606-20-2	2,6-DINITRITOLUENE	10	U
99-09-2	3-NITROANILINE	50	U
83-32-9	ACENAPHTHENE	10	U
51-28-5	2,4-DINITROPHENOL	50	U
100-02-7	4-NITROPHENOL	50	U
132-64-9	DIBENZOFURAN	10	U
121-14-2	2,4-DINITROTOLUENE	10	U
84-66-2	DIETHYLPHTHALATE	10	U
7005-72-3	4-CHLOROPHENYL-PHENYLETHER	10	U
86-73-7	FLUORENE	10	U
100-10-6	4-NITROANILINE	50	U
534-52-1	4,6-DINITRO-2-METHYLPHENOL	50	U
86-30-6	N-NITROSODIPHENYLAMINE (1)	10	U
101-55-3	4-BROMOPHENYL-PHENYLETHER	10	U
118-74-1	HEXACHLOROBENZENE	10	U
87-86-5	PENTACHLOROPHENOL	50	U
85-01-8	PHENANTHRENE	10	U
120-12-7	ANTHRACENE	10	U
84-74-2	DI-N-BUTYLPHTHALATE	10	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO

TECSW22W002

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS Case No.: TNK SAS No.: _____ SDG No.: PKG6

Matrix: (soil/water) WATER Lab Sample ID: P189214

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP03059201

Level: (low/med) LOW Date Received: 02/08/92

% Moisture: not dec. _____ dec. _____ Date Extracted: 02/13/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 03/05/92

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
206-44-0	FLUORANTHENE	10	U
129-00-0	PYRENE	10	U
85-68-7	BUTYLBENZYLPHTHALATE	10	U
91-94-1	3,3'-DICHLOROBENZIDINE	20	U
56-55-3	BENZO(A)ANTHRACENE	10	U
218-01-9	CHRYSENE	10	U
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	10	U
117-84-0	DI-N-OCTYL PHTHALATE	10	U
205-99-2	BENZO(B)FLUORANTHENE	10	U
207-08-9	BENZO(K)FLUORANTHENE	10	U
50-32-8	BENZO(A)PYRENE	10	U
193-39-5	INDENO(1,2,3-CD)PYRENE	10	U
53-70-3	DIBENZO(A,H)ANTHRACENE	10	U
191-24-2	BENZO(G,H,I)PERYLENE	10	U
58-90-2	2,3,4,6-TETRACHLOROPHENOL	10	U
109-06-8	2-PICOLINE	10	U
62-50-0	METHANESULFONIC ACID, ETHYL E	10	U
100-75-4	N-NITROSOPIPERIDINE	20	U
87-65-0	2,6-DICHLOROPHENOL	10	U
924-16-3	NITROSO-DI-N-BUTYLAMINE	10	U
66-27-3	METHANESULFONIC ACID, METHYL	10	U
98-86-2	ACETOPHENONE	10	U
122-09-8	A,A-DIMETHYLPHENETHYLAMINE	10	U
608-93-5	PENTACHLOROBENZENE	10	U
92-67-1	4-AMINOBIPHENYL	10	U
60-11-7	P-DIMETHYLAMINOAZOBENZENE	10	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO

TECSW22W002

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS Case No.: TNK SAS No.: _____ SDG No.: PKG6

Matrix: (soil/water) WATER Lab Sample ID: P189214

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP03059201

Level: (low/med) LOW Date Received: 02/08/92

% Moisture: not dec. ____ dec. ____ Date Extracted: 02/13/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 03/05/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
206-44-0	FLUORANTHENE	10	U
129-00-0	PYRENE	10	U
85-68-7	BUTYLBENZYLPHTHALATE	10	U
91-94-1	3,3'-DICHLOROBENZIDINE	20	U
56-55-3	BENZO(A)ANTHRACENE	10	U
218-01-9	CHRYSENE	10	U
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	10	U
117-84-0	DI-N-OCTYL PHTHALATE	10	U
205-99-2	BENZO(B)FLUORANTHENE	10	U
207-08-9	BENZO(K)FLUORANTHENE	10	U
50-32-8	BENZO(A)PYRENE	10	U
193-39-5	INDENO(1,2,3-CD)PYRENE	10	U
53-70-3	DIBENZO(A,H)ANTHRACENE	10	U
191-24-2	BENZO(G,H,I)PERYLENE	10	U
58-90-2	2,3,4,6-TETRACHLOROPHENOL	10	U
109-06-8	2-PICOLINE	10	U
62-50-0	METHANESULFONIC ACID, ETHYL E	10	U
100-75-4	N-NITROSOPIPERIDINE	20	U
87-65-0	2,6-DICHLOROPHENOL	10	U
924-16-3	NITROSO-DI-N-BUTYLAMINE	10	U
66-27-3	METHANESULFONIC ACID, METHYL	10	U
98-86-2	ACETOPHENONE	10	U
122-09-8	A,A-DIMETHYLPHENETHYLAMINE	10	U
608-93-5	PENTACHLOROBENZENE	10	U
92-67-1	4-AMINOBIPHENYL	10	U
60-11-7	P-DIMETHYLAMINOAZOBENZENE	10	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO

TECSW22W0001

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS Case No.: TNK SAS No.: _____ SDG No.: PKG6

Matrix: (soil/water) WATER Lab Sample ID: P189214

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP03059201

Level: (low/med) LOW Date Received: 02/08/92

% Moisture: not dec. ____ dec. ____ Date Extracted: 02/13/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 03/05/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
57-97-6	7,12-DIMETHYLBENZ(A)ANTHRACEN	50	U
95-94-3	1,2,4,5-TETRACHLOROBENZENE	10	U
122-39-4	DIPHENYLAMINE	10	U
62-44-2	PHENACETIN	10	U
56-49-5	3-METHYLCHOLANTHRENE	10	U
23950-58-5	PRONAMIDE	10	U
91-59-8	2-NAPHTHALENEAMINE	10	U
106-50-3	P-PHENYLENEDIAMINE	50	U
120-58-1	ISOSAFROLE	10	U
99-55-8	5-NITRO-O-TOLUIDINE	10	U
56-57-5	4-NITROQUINOLINE 1-OXIDE	50	U
91-80-5	METHYAPYRILENE	10	U
781-73-7	2-ACETYLAMINOFLUORENE	10	U
10595-95-6	N-NITROSOMETHYLETHYLAMINE	10	U
55-18-5	N-NITROSODIETHYLAMINE	10	U
930-55-2	N-NITROSOPYRROLIDINE	10	U
59-89-2	N-NITROSOMORPHOLINE	10	U
95-53-4	O-TOLUIDINE	10	U
1981-0-0	0,0,0-TRIETHYLPHOSPHOROTHIOAT	50	U
94-59-7	SAFROLE	10	U
130-15-4	1,4-NAPHTHOQUINONE	50	U
99-35-4	SYM-TRINITROBENZENE	50	U
1888-71-7	HEXACHLOROPROPENE	50	U
99-65-0	M-DINITROBENZENE	20	U
612-82-8	3,3'-DIMETHYLBENZIDINE	0	U
70-30-4	HEXACHLOROPHENE	1000	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO

TECSW22W0002

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS Case No.: TNK SAS No.: _____ SDG No.: PKG6

Matrix: (soil/water) WATER Lab Sample ID: P189214

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP03059201

Level: (low/med) LOW Date Received: 02/08/92

% Moisture: not dec. ____ dec. ____ Date Extracted: 02/13/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 03/05/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
57-97-6	7,12-DIMETHYLBENZ(A)ANTHRACEN	50	U
95-94-3	1,2,4,5-TETRACHLOROBENZENE	10	U
122-39-4	DIPHENYLAMINE	10	U
62-44-2	PHENACETIN	10	U
56-49-5	3-METHYLCHOLANTHRENE	10	U
23950-58-5	PRONAMIDE	10	U
91-59-8	2-NAPHTHALENEAMINE	10	U
106-50-3	P-PHENYLENEDIAMINE	50	U
120-58-1	ISOSAFROLE	10	U
99-55-8	5-NITRO-O-TOLUIDINE	10	U
56-57-5	4-NITROQUINOLINE 1-OXIDE	50	U
91-80-5	METHYAPYRILENE	10	U
781-73-7	2-ACETYLAMINOFLUORENE	10	U
10595-95-6	N-NITROSOMETHYLETHYLAMINE	10	U
55-18-5	N-NITROSODIETHYLAMINE	10	U
930-55-2	N-NITROSOPYRROLIDINE	10	U
59-89-2	N-NITROSOMORPHOLINE	10	U
95-53-4	O-TOLUIDINE	10	U
1981-0-0	0,0,0-TRIETHYLPHOSPHOROTHIOAT	50	U
94-59-7	SAFROLE	10	U
130-15-4	1,4-NAPHTHOQUINONE	50	U
99-35-4	SYM-TRINITROBENZENE	50	U
1888-71-7	HEXACHLOROPROPENE	50	U
99-65-0	M-DINITROBENZENE	20	U
612-82-8	3,3'-DIMETHYLBENZIDINE	0	U
70-30-4	HEXACHLOROPHENE	1000	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TECSW22W

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS Case No.: TNK SAS No.: _____ SDG No.: PKG6

Matrix: (soil/water) WATER Lab Sample ID: P189214

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP03059201

Level: (low/med) LOW Date Received: 02/08/92

% Moisture: not dec. ____ dec. ____ Date Extracted: 02/13/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 03/05/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
60-51-5	DIMETHOATE	10	U
2303-16-4	DIALLATE	10	U
110-86-1	PYRIDINE	10	U
140-57-8	ARAMITE	50	U
88-85-7	2-SEC-BUTYL-4,6-DINITROPHENOL	10	U
108-39-4	M-CRESOL	10	U
82-68-8	PENTACHLORONITROBENZENE	50	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TECSW22W

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS Case No.: TNK SAS No.: _____ SDG No.: PKG6

Matrix: (soil/water) WATER Lab Sample ID: P189214

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP03059201

Level: (low/med) LOW Date Received: 02/08/92

% Moisture: not dec. _____ dec. _____ Date Extracted: 02/13/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 03/05/92

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
60-51-5	DIMETHOATE	10	U
2303-16-4	DIALLATE	10	U
110-86-1	PYRIDINE	10	U
140-57-8	ARAMITE	50	U
88-85-7	2-SEC-BUTYL-4,6-DINITROPHENOL	10	U
108-39-4	M-CRESOL	10	U
82-68-8	PENTACHLORONITROBENZENE	50	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TECSW24W0002

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS Case No.: TNK SAS No.: _____ SDG No.: PKG6

Matrix: (soil/water) WATER Lab Sample ID: P189224

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP03089202

Level: (low/med) LOW Date Received: 02/08/92

% Moisture: not dec. ____ dec. ____ Date Extracted: 02/13/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 03/08/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
62-75-9	N-NITROSODIMETHYLAMINE	10	U
108-95-2	PHENOL	10	U
62-53-3	ANILINE	10	U
111-44-4	BIS(2-CHLOROETHYL)ETHER	10	U
95-57-8	2-CHLOROPHENOL	10	U
541-73-1	1,3-DICHLOROBENZENE	10	U
106-46-7	1,4-DICHLOROBENZENE	10	U
100-51-6	BENZYL ALCOHOL	10	U
95-50-1	1,2-DICHLOROBENZENE	10	U
95-48-7	2-METHYLPHENOL	10	U
39638-32-9	BIS(2-CHLOROISOPROPYL)ETHER	10	U
106-44-5	4-METHYLPHENOL	10	U
621-64-7	N-NITROSO-DI-N-PROPYLAMINE	10	U
67-72-1	HEXACHLOROETHANE	10	U
98-95-3	NITROBENZENE	10	U
78-59-1	ISOPHORONE	10	U
88-75-5	2-NITROPHENOL	10	U
105-67-9	2,4-DIMETHYLPHENOL	10	U
111-91-1	BIS(2-CHLOROETHOXY)METHANE	10	U
120-83-2	2,4-DICHLOROPHENOL	10	U
120-82-1	1,2,4-TRICHLOROBENZENE	10	U
91-20-3	NAPHTHALENE	10	U
106-47-8	4-CHLOROANILINE	10	U
87-68-3	HEXACHLOROBUTADIENE	10	U
59-50-7	4-CHLORO-3-METHYLPHENOL	10	U
91-57-6	2-METHYLNAPHTHALENE	10	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TECSW24W0002

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS Case No.: TNK SAS No.: _____ SDG No.: PKG6

Matrix: (soil/water) WATER Lab Sample ID: P189224

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP03089202

Level: (low/med) LOW Date Received: 02/08/92

% Moisture: not dec. ____ dec. ____ Date Extracted: 02/13/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 03/08/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
62-75-9	N-NITROSODIMETHYLAMINE	10	U
108-95-2	PHENOL	10	U
62-53-3	ANILINE	10	U
111-44-4	BIS(2-CHLOROETHYL)ETHER	10	U
95-57-8	2-CHLOROPHENOL	10	U
541-73-1	1,3-DICHLOROBENZENE	10	U
106-46-7	1,4-DICHLOROBENZENE	10	U
100-51-6	BENZYL ALCOHOL	10	U
95-50-1	1,2-DICHLOROBENZENE	10	U
95-48-7	2-METHYLPHENOL	10	U
39638-32-9	BIS(2-CHLOROISOPROPYL)ETHER	10	U
106-44-5	4-METHYLPHENOL	10	U
621-64-7	N-NITROSO-DI-N-PROPYLAMINE	10	U
67-72-1	HEXACHLOROETHANE	10	U
98-95-3	NITROBENZENE	10	U
78-59-1	ISOPHORONE	10	U
88-75-5	2-NITROPHENOL	10	U
105-67-9	2,4-DIMETHYLPHENOL	10	U
111-91-1	BIS(2-CHLOROETHOXY)METHANE	10	U
120-83-2	2,4-DICHLOROPHENOL	10	U
120-82-1	1,2,4-TRICHLOROBENZENE	10	U
91-20-3	NAPHTHALENE	10	U
106-47-8	4-CHLOROANILINE	10	U
87-68-3	HEXACHLOROBUTADIENE	10	U
59-50-7	4-CHLORO-3-METHYLPHENOL	10	U
91-57-6	2-METHYLNAPHTHALENE	10	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TECSW24WC

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS Case No.: TNK SAS No.: _____ SDG No.: PKG6

Matrix: (soil/water) WATER Lab Sample ID: P189224

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP03089202

Level: (low/med) LOW Date Received: 02/08/92

% Moisture: not dec. ____ dec. ____ Date Extracted: 02/13/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 03/08/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
77-47-4	HEXACHLOROCYCLOPENTADIENE	10	U
88-06-2	2,4,6-TRICHLOROPHENOL	10	U
95-95-4	2,4,5-TRICHLOROPHENOL	50	U
91-58-7	2-CHLORONAPHTHALENE	10	U
88-74-4	2-NITROANILINE	50	U
131-11-3	DIMETHYLPHTHALATE	10	U
208-96-8	ACENAPHTHYLENE	10	U
606-20-2	2,6-DINITRITOLUENE	10	U
99-09-2	3-NITROANILINE	50	U
83-32-9	ACENAPHTHENE	10	U
51-28-5	2,4-DINITROPHENOL	50	U
100-02-7	4-NITROPHENOL	50	~~U~~ UJ
132-64-9	DIBENZOFURAN	10	U
121-14-2	2,4-DINITROTOLUENE	10	U
84-66-2	DIETHYLPHTHALATE	10	U
7005-72-3	4-CHLOROPHENYL-PHENYLETHER	10	U
86-73-7	FLUORENE	10	U
100-10-6	4-NITROANILINE	50	U
534-52-1	4,6-DINITRO-2-METHYLPHENOL	50	U
86-30-6	N-NITROSODIPHENYLAMINE (1)	10	U
101-55-3	4-BROMOPHENYL-PHENYLETHER	10	U
118-74-1	HEXACHLOROBENZENE	10	U
87-86-5	PENTACHLOROPHENOL	50	U
85-01-8	PHENANTHRENE	10	U
120-12-7	ANTHRACENE	10	U
84-74-2	DI-N-BUTYLPHTHALATE	10	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TECSW24WC

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS Case No.: TNK SAS No.: _____ SDG No.: PKG6

Matrix: (soil/water) WATER Lab Sample ID: P189224

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP03089202

Level: (low/med) LOW Date Received: 02/08/92

% Moisture: not dec. ____ dec. ____ Date Extracted: 02/13/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 03/08/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
77-47-4	HEXACHLOROCYCLOPENTADIENE	10	U
88-06-2	2,4,6-TRICHLOROPHENOL	10	U
95-95-4	2,4,5-TRICHLOROPHENOL	50	U
91-58-7	2-CHLORONAPHTHALENE	10	U
88-74-4	2-NITROANILINE	50	U
131-11-3	DIMETHYLPHTHALATE	10	U
208-96-8	ACENAPHTHYLENE	10	U
606-20-2	2,6-DINITRITOLUENE	10	U
99-09-2	3-NITROANILINE	50	U
83-32-9	ACENAPHTHENE	10	U
51-28-5	2,4-DINITROPHENOL	50	U
100-02-7	4-NITROPHENOL	50	~~U~~ UJ
132-64-9	DIBENZOFURAN	10	U
121-14-2	2,4-DINITROTOLUENE	10	U
84-66-2	DIETHYLPHTHALATE	10	U
7005-72-3	4-CHLOROPHENYL-PHENYLETHER	10	U
86-73-7	FLUORENE	10	U
100-10-6	4-NITROANILINE	50	U
534-52-1	4,6-DINITRO-2-METHYLPHENOL	50	U
86-30-6	N-NITROSODIPHENYLAMINE (1)	10	U
101-55-3	4-BROMOPHENYL-PHENYLETHER	10	U
118-74-1	HEXACHLOROBENZENE	10	U
87-86-5	PENTACHLOROPHENOL	50	U
85-01-8	PHENANTHRENE	10	U
120-12-7	ANTHRACENE	10	U
84-74-2	DI-N-BUTYLPHTHALATE	10	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TECSW24W0002

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS Case No.: TNK SAS No.: _____ SDG No.: PKG6

Matrix: (soil/water) WATER Lab Sample ID: P189224

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP03089202

Level: (low/med) LOW Date Received: 02/08/92

% Moisture: not dec. _____ dec. _____ Date Extracted: 02/13/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 03/08/92

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
206-44-0	FLUORANTHENE	10	U
129-00-0	PYRENE	10	U
85-68-7	BUTYLBENZYLPHTHALATE	10	U
91-94-1	3,3'-DICHLOROBENZIDINE	20	U
56-55-3	BENZO(A)ANTHRACENE	10	U
218-01-9	CHRYSENE	10	U
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	10	U
117-84-0	DI-N-OCTYL PHTHALATE	10	U
205-99-2	BENZO(B)FLUORANTHENE	10	U
207-08-9	BENZO(K)FLUORANTHENE	10	U
50-32-8	BENZO(A)PYRENE	10	U
193-39-5	INDENO(1,2,3-CD)PYRENE	10	U
53-70-3	DIBENZO(A,H)ANTHRACENE	10	U
191-24-2	BENZO(G,H,I)PERYLENE	10	U
58-90-2	2,3,4,6-TETRACHLOROPHENOL	10	U
109-06-8	2-PICOLINE	10	U
62-50-0	METHANESULFONIC ACID, ETHYL E	10	U
100-75-4	N-NITROSOPIPERIDINE	20	U
87-65-0	2,6-DICHLOROPHENOL	10	U
924-16-3	NITROSO-DI-N-BUTYLAMINE	10	U
66-27-3	METHANESULFONIC ACID, METHYL	10	U
98-86-2	ACETOPHENONE	10	U
122-09-8	A,A-DIMETHYLPHENETHYLAMINE	10	U UJ
608-93-5	PENTACHLOROBENZENE	10	U
92-67-1	4-AMINOBIPHENYL	10	U
60-11-7	P-DIMETHYLAMINOAZOBENZENE	10	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TECSW24W0002

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS Case No.: TNK SAS No.: _____ SDG No.: PKG6

Matrix: (soil/water) WATER Lab Sample ID: P189224

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP03089202

Level: (low/med) LOW Date Received: 02/08/92

% Moisture: not dec. ____ dec. ____ Date Extracted: 02/13/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 03/08/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
206-44-0	FLUORANTHENE	10	U
129-00-0	PYRENE	10	U
85-68-7	BUTYLBENZYLPHTHALATE	10	U
91-94-1	3,3'-DICHLOROBENZIDINE	20	U
56-55-3	BENZO(A)ANTHRACENE	10	U
218-01-9	CHRYSENE	10	U
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	10	U
117-84-0	DI-N-OCTYL PHTHALATE	10	U
205-99-2	BENZO(B)FLUORANTHENE	10	U
207-08-9	BENZO(K)FLUORANTHENE	10	U
50-32-8	BENZO(A)PYRENE	10	U
193-39-5	INDENO(1,2,3-CD)PYRENE	10	U
53-70-3	DIBENZO(A,H)ANTHRACENE	10	U
191-24-2	BENZO(G,H,I)PERYLENE	10	U
58-90-2	2,3,4,6-TETRACHLOROPHENOL	10	U
109-06-8	2-PICOLINE	10	U
62-50-0	METHANESULFONIC ACID, ETHYL E	10	U
100-75-4	N-NITROSOPIPERIDINE	20	U
87-65-0	2,6-DICHLOROPHENOL	10	U
924-16-3	NITROSO-DI-N-BUTYLAMINE	10	U
66-27-3	METHANESULFONIC ACID, METHYL	10	U
98-86-2	ACETOPHENONE	10	U
122-09-8	A,A-DIMETHYLPHENETHYLAMINE	10	U
608-93-5	PENTACHLOROBENZENE	10	U
92-67-1	4-AMINOBIPHENYL	10	U
60-11-7	P-DIMETHYLAMINOAZOBENZENE	10	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TECSW24W0

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS Case No.: TNK SAS No.: _____ SDG No.: PKG6

Matrix: (soil/water) WATER Lab Sample ID: P189224

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP03089202

Level: (low/med) LOW Date Received: 02/08/92

% Moisture: not dec. ____ dec. ____ Date Extracted: 02/13/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 03/08/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
57-97-6	7,12-DIMETHYLBENZ(A)ANTHRACEN	50	U
95-94-3	1,2,4,5-TETRACHLOROBENZENE	10	U
122-39-4	DIPHENYLAMINE	10	U
62-44-2	PHENACETIN	10	U
56-49-5	3-METHYLCHOLANTHRENE	10	U
23950-58-5	PRONAMIDE	10	U
91-59-8	2-NAPHTHALENEAMINE	10	U
106-50-3	P-PHENYLENEDIAMINE	50	U
120-58-1	ISOSAFROLE	10	U
99-55-8	5-NITRO-O-TOLUIDINE	10	U
56-57-5	4-NITROQUINOLINE 1-OXIDE	50	U
91-80-5	METHYAPYRILENE	10	U
781-73-7	2-ACETYLAMINOFLUORENE	10	U
10595-95-6	N-NITROSOMETHYLETHYLAMINE	10	U
55-18-5	N-NITROSODIETHYLAMINE	10	U
930-55-2	N-NITROSOPYRROLIDINE	10	U
59-89-2	N-NITROSOMORPHOLINE	10	U
95-53-4	O-TOLUIDINE	10	U
1981-0-0	0,0,0-TRIETHYLPHOSPHOROTHIOAT	50	U
94-59-7	SAFROLE	10	U
130-15-4	1,4-NAPHTHOQUINONE	50	U
99-35-4	SYM-TRINITROBENZENE	50	U
1888-71-7	HEXACHLOROPROPENE	50	U
99-65-0	M-DINITROBENZENE	20	U
612-82-8	3,3'-DIMETHYLBENZIDINE	0	U
70-30-4	HEXACHLOROPHENE	1000	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TECSW24W0

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS Case No.: TNK SAS No.: _____ SDG No.: PKG6

Matrix: (soil/water) WATER Lab Sample ID: P189224

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP03089202

Level: (low/med) LOW Date Received: 02/08/92

% Moisture: not dec. ____ dec. ____ Date Extracted: 02/13/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 03/08/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
57-97-6	7,12-DIMETHYLBENZ(A)ANTHRACEN	50	U
95-94-3	1,2,4,5-TETRACHLOROBENZENE	10	U
122-39-4	DIPHENYLAMINE	10	U
62-44-2	PHENACETIN	10	U
56-49-5	3-METHYLCHOLANTHRENE	10	U
23950-58-5	PRONAMIDE	10	U
91-59-8	2-NAPHTHALENEAMINE	10	U
106-50-3	P-PHENYLENEDIAMINE	50	U
120-58-1	ISOSAFROLE	10	U
99-55-8	5-NITRO-O-TOLUIDINE	10	U
56-57-5	4-NITROQUINOLINE 1-OXIDE	50	U
91-80-5	METHYAPYRILENE	10	U
781-73-7	2-ACETYLAMINOFLUORENE	10	U
10595-95-6	N-NITROSOMETHYLETHYLAMINE	10	U
55-18-5	N-NITROSODIETHYLAMINE	10	U
930-55-2	N-NITROSOPYRROLIDINE	10	U
59-89-2	N-NITROSOMORPHOLINE	10	U
95-53-4	O-TOLUIDINE	10	U
1981-0-0	0,0,0-TRIETHYLPHOSPHOROTHIOAT	50	U
94-59-7	SAFROLE	10	U
130-15-4	1,4-NAPHTHOQUINONE	50	U
99-35-4	SYM-TRINITROBENZENE	50	U
1888-71-7	HEXACHLOROPROPENE	50	U
99-65-0	M-DINITROBENZENE	20	U
612-82-8	3,3'-DIMETHYLBENZIDINE	0	U
70-30-4	HEXACHLOROPHENE	1000	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TECSW24W0002

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS Case No.: TNK SAS No.: _____ SDG No.: PKG6

Matrix: (soil/water) WATER Lab Sample ID: P189224

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP03089202

Level: (low/med) LOW Date Received: 02/08/92

% Moisture: not dec. ____ dec. ____ Date Extracted: 02/13/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 03/08/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
60-51-5	DIMETHOATE	10	U
2303-16-4	DIALLATE	10	U
110-86-1	PYRIDINE	10	U
140-57-8	ARAMITE	50	U
88-85-7	2-SEC-BUTYL-4,6-DINITROPHENOL	10	U
108-39-4	M-CRESOL	10	U
82-68-8	PENTACHLORONITROBENZENE	50	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TECSW24W0002

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS Case No.: TNK SAS No.: _____ SDG No.: PKG6

Matrix: (soil/water) WATER Lab Sample ID: P189224

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP03089202

Level: (low/med) LOW Date Received: 02/08/92

% Moisture: not dec. ____ dec. ____ Date Extracted: 02/13/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 03/08/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
60-51-5	DIMETHOATE	10	U
2303-16-4	DIALLATE	10	U
110-86-1	PYRIDINE	10	U
140-57-8	ARAMITE	50	U
88-85-7	2-SEC-BUTYL-4,6-DINITROPHENOL	10	U
108-39-4	M-CRESOL	10	U
82-68-8	PENTACHLORONITROBENZENE	50	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TCCSWB1WC

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS Case No.: TNK SAS No.: _____ SDG No.: PKG6

Matrix: (soil/water) WATER Lab Sample ID: P189227

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP03089203

Level: (low/med) LOW Date Received: 02/08/92

% Moisture: not dec. ____ dec. ____ Date Extracted: 02/13/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 03/09/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
62-75-9	N-NITROSODIMETHYLAMINE	10	U
108-95-2	PHENOL	10	U
62-53-3	ANILINE	10	U
111-44-4	BIS(2-CHLOROETHYL)ETHER	10	U
95-57-8	2-CHLOROPHENOL	10	U
541-73-1	1,3-DICHLOROBENZENE	10	U
106-46-7	1,4-DICHLOROBENZENE	10	U
100-51-6	BENZYL ALCOHOL	10	U
95-50-1	1,2-DICHLOROBENZENE	10	U
95-48-7	2-METHYLPHENOL	10	U
39638-32-9	BIS(2-CHLOROISOPROPYL)ETHER	10	U
106-44-5	4-METHYLPHENOL	10	U
621-64-7	N-NITROSO-DI-N-PROPYLAMINE	10	U
67-72-1	HEXACHLOROETHANE	10	U
98-95-3	NITROBENZENE	10	U
78-59-1	ISOPHORONE	10	U
88-75-5	2-NITROPHENOL	10	U
105-67-9	2,4-DIMETHYLPHENOL	10	U
111-91-1	BIS(2-CHLOROETHOXY)METHANE	10	U
120-83-2	2,4-DICHLOROPHENOL	10	U
120-82-1	1,2,4-TRICHLOROBENZENE	10	U
91-20-3	NAPHTHALENE	10	U
106-47-8	4-CHLOROANILINE	10	U
87-68-3	HEXACHLOROBUTADIENE	10	U
59-50-7	4-CHLORO-3-METHYLPHENOL	10	U
91-57-6	2-METHYLNAPHTHALENE	10	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TCCSWB1WC

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS Case No.: TNK SAS No.: _____ SDG No.: PKG6

Matrix: (soil/water) WATER Lab Sample ID: P189227

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP03089203

Level: (low/med) LOW Date Received: 02/08/92

% Moisture: not dec. ____ dec. ____ Date Extracted: 02/13/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 03/09/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
62-75-9	N-NITROSODIMETHYLAMINE	10	U
108-95-2	PHENOL	10	U
62-53-3	ANILINE	10	U
111-44-4	BIS(2-CHLOROETHYL)ETHER	10	U
95-57-8	2-CHLOROPHENOL	10	U
541-73-1	1,3-DICHLOROBENZENE	10	U
106-46-7	1,4-DICHLOROBENZENE	10	U
100-51-6	BENZYL ALCOHOL	10	U
95-50-1	1,2-DICHLOROBENZENE	10	U
95-48-7	2-METHYLPHENOL	10	U
39638-32-9	BIS(2-CHLOROISOPROPYL)ETHER	10	U
106-44-5	4-METHYLPHENOL	10	U
621-64-7	N-NITROSO-DI-N-PROPYLAMINE	10	U
67-72-1	HEXACHLOROETHANE	10	U
98-95-3	NITROBENZENE	10	U
78-59-1	ISOPHORONE	10	U
88-75-5	2-NITROPHENOL	10	U
105-67-9	2,4-DIMETHYLPHENOL	10	U
111-91-1	BIS(2-CHLOROETHOXY)METHANE	10	U
120-83-2	2,4-DICHLOROPHENOL	10	U
120-82-1	1,2,4-TRICHLOROBENZENE	10	U
91-20-3	NAPHTHALENE	10	U
106-47-8	4-CHLOROANILINE	10	U
87-68-3	HEXACHLOROBUTADIENE	10	U
59-50-7	4-CHLORO-3-METHYLPHENOL	10	U
91-57-6	2-METHYLNAPHTHALENE	10	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TCCSWB1W0002

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS Case No.: TNK SAS No.: _____ SDG No.: PKG6

Matrix: (soil/water) WATER Lab Sample ID: P189227

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP03089203

Level: (low/med) LOW Date Received: 02/08/92

% Moisture: not dec. ____ dec. ____ Date Extracted: 02/13/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 03/09/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
77-47-4	HEXACHLOROCYCLOPENTADIENE	10	U
88-06-2	2,4,6-TRICHLOROPHENOL	10	U
95-95-4	2,4,5-TRICHLOROPHENOL	50	U
91-58-7	2-CHLORONAPHTHALENE	10	U
88-74-4	2-NITROANILINE	50	U
131-11-3	DIMETHYLPHTHALATE	10	U
208-96-8	ACENAPHTHYLENE	10	U
606-20-2	2,6-DINITRITOLUENE	10	U
99-09-2	3-NITROANILINE	50	U
83-32-9	ACENAPHTHENE	10	U
51-28-5	2,4-DINITROPHENOL	50	U
100-02-7	4-NITROPHENOL	50	~~U~~ UJ
132-64-9	DIBENZOFURAN	10	U
121-14-2	2,4-DINITROTOLUENE	10	U
84-66-2	DIETHYLPHTHALATE	10	U
7005-72-3	4-CHLOROPHENYL-PHENYLETHER	10	U
86-73-7	FLUORENE	10	U
100-10-6	4-NITROANILINE	50	U
534-52-1	4,6-DINITRO-2-METHYLPHENOL	50	U
86-30-6	N-NITROSODIPHENYLAMINE (1)	10	U
101-55-3	4-BROMOPHENYL-PHENYLETHER	10	U
118-74-1	HEXACHLOROBENZENE	10	U
87-86-5	PENTACHLOROPHENOL	50	U
85-01-8	PHENANTHRENE	10	U
120-12-7	ANTHRACENE	10	U
84-74-2	DI-N-BUTYLPHTHALATE	10	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TCCSWB1W0002

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS Case No.: TNK SAS No.: _____ SDG No.: PKG6

Matrix: (soil/water) WATER Lab Sample ID: P189227

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP03089203

Level: (low/med) LOW Date Received: 02/08/92

% Moisture: not dec. ____ dec. ____ Date Extracted: 02/13/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 03/09/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
77-47-4	HEXACHLOROCYCLOPENTADIENE	10	U
88-06-2	2,4,6-TRICHLOROPHENOL	10	U
95-95-4	2,4,5-TRICHLOROPHENOL	50	U
91-58-7	2-CHLORONAPHTHALENE	10	U
88-74-4	2-NITROANILINE	50	U
131-11-3	DIMETHYLPHTHALATE	10	U
208-96-8	ACENAPHTHYLENE	10	U
606-20-2	2,6-DINITRITOLUENE	10	U
99-09-2	3-NITROANILINE	50	U
83-32-9	ACENAPHTHENE	10	U
51-28-5	2,4-DINITROPHENOL	50	U
100-02-7	4-NITROPHENOL	50	~~U~~ UJ
132-64-9	DIBENZOFURAN	10	U
121-14-2	2,4-DINITROTOLUENE	10	U
84-66-2	DIETHYLPHTHALATE	10	U
7005-72-3	4-CHLOROPHENYL-PHENYLETHER	10	U
86-73-7	FLUORENE	10	U
100-10-6	4-NITROANILINE	50	U
534-52-1	4,6-DINITRO-2-METHYLPHENOL	50	U
86-30-6	N-NITROSODIPHENYLAMINE (1)	10	U
101-55-3	4-BROMOPHENYL-PHENYLETHER	10	U
118-74-1	HEXACHLOROBENZENE	10	U
87-86-5	PENTACHLOROPHENOL	50	U
85-01-8	PHENANTHRENE	10	U
120-12-7	ANTHRACENE	10	U
84-74-2	DI-N-BUTYLPHTHALATE	10	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TCCSWB1W(

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS Case No.: TNK SAS No.: _____ SDG No.: PKG6

Matrix: (soil/water) WATER Lab Sample ID: P189227

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP03089203

Level: (low/med) LOW Date Received: 02/08/92

% Moisture: not dec. ____ dec. ____ Date Extracted: 02/13/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 03/09/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
206-44-0	FLUORANTHENE	10	U
129-00-0	PYRENE	10	U
85-68-7	BUTYLBENZYLPHTHALATE	10	U
91-94-1	3,3'-DICHLOROBENZIDINE	20	U
56-55-3	BENZO(A)ANTHRACENE	10	U
218-01-9	CHRYSENE	10	U
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	10	U
117-84-0	DI-N-OCTYL PHTHALATE	10	U
205-99-2	BENZO(B)FLUORANTHENE	10	U
207-08-9	BENZO(K)FLUORANTHENE	10	U
50-32-8	BENZO(A)PYRENE	10	U
193-39-5	INDENO(1,2,3-CD)PYRENE	10	U
53-70-3	DIBENZO(A,H)ANTHRACENE	10	U
191-24-2	BENZO(G,H,I)PERYLENE	10	U
58-90-2	2,3,4,6-TETRACHLOROPHENOL	10	U
109-06-8	2-PICOLINE	10	U
62-50-0	METHANESULFONIC ACID, ETHYL E	10	U
100-75-4	N-NITROSOPIPERIDINE	20	U
87-65-0	2,6-DICHLOROPHENOL	10	U
924-16-3	NITROSO-DI-N-BUTYLAMINE	10	U
66-27-3	METHANESULFONIC ACID, METHYL	10	U
98-86-2	ACETOPHENONE	10	U
122-09-8	A,A-DIMETHYLPHENETHYLAMINE	10	~~U~~ J
608-93-5	PENTACHLOROBENZENE	10	U
92-67-1	4-AMINOBIPHENYL	10	U
60-11-7	P-DIMETHYLAMINOAZOBENZENE	10	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TCCSWB1W(

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS Case No.: TNK SAS No.: _____ SDG No.: PKG6

Matrix: (soil/water) WATER Lab Sample ID: P189227

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP03089203

Level: (low/med) LOW Date Received: 02/08/92

% Moisture: not dec. ____ dec. ____ Date Extracted: 02/13/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 03/09/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
206-44-0	FLUORANTHENE	10	U
129-00-0	PYRENE	10	U
85-68-7	BUTYLBENZYLPHTHALATE	10	U
91-94-1	3,3'-DICHLOROBENZIDINE	20	U
56-55-3	BENZO(A)ANTHRACENE	10	U
218-01-9	CHRYSENE	10	U
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	10	U
117-84-0	DI-N-OCTYL PHTHALATE	10	U
205-99-2	BENZO(B)FLUORANTHENE	10	U
207-08-9	BENZO(K)FLUORANTHENE	10	U
50-32-8	BENZO(A)PYRENE	10	U
193-39-5	INDENO(1,2,3-CD)PYRENE	10	U
53-70-3	DIBENZO(A,H)ANTHRACENE	10	U
191-24-2	BENZO(G,H,I)PERYLENE	10	U
58-90-2	2,3,4,6-TETRACHLOROPHENOL	10	U
109-06-8	2-PICOLINE	10	U
62-50-0	METHANESULFONIC ACID, ETHYL E	10	U
100-75-4	N-NITROSOPIPERIDINE	20	U
87-65-0	2,6-DICHLOROPHENOL	10	U
924-16-3	NITROSO-DI-N-BUTYLAMINE	10	U
66-27-3	METHANESULFONIC ACID, METHYL	10	U
98-86-2	ACETOPHENONE	10	U
122-09-8	A,A-DIMETHYLPHENETHYLAMINE	10	~~U~~ UJ
608-93-5	PENTACHLOROBENZENE	10	U
92-67-1	4-AMINOBIPHENYL	10	U
60-11-7	P-DIMETHYLAMINOAZOBENZENE	10	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TCCSWB1W0002

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS Case No.: TNK SAS No.: _____ SDG No.: PKG6

Matrix: (soil/water) WATER Lab Sample ID: P189227

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP03089203

Level: (low/med) LOW Date Received: 02/08/92

% Moisture: not dec. ____ dec. ____ Date Extracted: 02/13/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 03/09/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
57-97-6	7,12-DIMETHYLBENZ(A)ANTHRACEN	50	U
95-94-3	1,2,4,5-TETRACHLOROBENZENE	10	U
122-39-4	DIPHENYLAMINE	10	U
62-44-2	PHENACETIN	10	U
56-49-5	3-METHYLCHOLANTHRENE	10	U
23950-58-5	PRONAMIDE	10	U
91-59-8	2-NAPHTHALENEAMINE	10	U
106-50-3	P-PHENYLENEDIAMINE	50	U
120-58-1	ISOSAFROLE	10	U
99-55-8	5-NITRO-O-TOLUIDINE	10	U
56-57-5	4-NITROQUINOLINE 1-OXIDE	50	U
91-80-5	METHYAPYRILENE	10	U
781-73-7	2-ACETYLAMINOFLUORENE	10	U
10595-95-6	N-NITROSOMETHYLETHYLAMINE	10	U
55-18-5	N-NITROSODIETHYLAMINE	10	U
930-55-2	N-NITROSOPYRROLIDINE	10	U
59-89-2	N-NITROSOMORPHOLINE	10	U
95-53-4	O-TOLUIDINE	10	U
1981-0-0	0,0,0-TRIETHYLPHOSPHOROTHIOAT	50	U
94-59-7	SAFROLE	10	U
130-15-4	1,4-NAPHTHOQUINONE	50	U
99-35-4	SYM-TRINITROBENZENE	50	U
1888-71-7	HEXACHLOROPROPENE	50	U
99-65-0	M-DINITROBENZENE	20	U
612-82-8	3,3'-DIMETHYLBENZIDINE	0	U
70-30-4	HEXACHLOROPHENE	1000	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TCCSWB1W0002

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS Case No.: TNK SAS No.: _____ SDG No.: PKG6

Matrix: (soil/water) WATER Lab Sample ID: P189227

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP03089203

Level: (low/med) LOW Date Received: 02/08/92

% Moisture: not dec. ____ dec. ____ Date Extracted: 02/13/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 03/09/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
57-97-6	7,12-DIMETHYLBENZ(A)ANTHRACEN	50	U
95-94-3	1,2,4,5-TETRACHLOROBENZENE	10	U
122-39-4	DIPHENYLAMINE	10	U
62-44-2	PHENACETIN	10	U
56-49-5	3-METHYLCHOLANTHRENE	10	U
23950-58-5	PRONAMIDE	10	U
91-59-8	2-NAPHTHALENEAMINE	10	U
106-50-3	P-PHENYLENEDIAMINE	50	U
120-58-1	ISOSAFROLE	10	U
99-55-8	5-NITRO-O-TOLUIDINE	10	U
56-57-5	4-NITROQUINOLINE 1-OXIDE	50	U
91-80-5	METHYAPYRILENE	10	U
781-73-7	2-ACETYLAMINOFLUORENE	10	U
10595-95-6	N-NITROSOMETHYLETHYLAMINE	10	U
55-18-5	N-NITROSODIETHYLAMINE	10	U
930-55-2	N-NITROSOPYRROLIDINE	10	U
59-89-2	N-NITROSOMORPHOLINE	10	U
95-53-4	O-TOLUIDINE	10	U
1981-0-0	0,0,0-TRIETHYLPHOSPHOROTHIOAT	50	U
94-59-7	SAFROLE	10	U
130-15-4	1,4-NAPHTHOQUINONE	50	U
99-35-4	SYM-TRINITROBENZENE	50	U
1888-71-7	HEXACHLOROPROPENE	50	U
99-65-0	M-DINITROBENZENE	20	U
612-82-8	3,3'-DIMETHYLBENZIDINE	0	U
70-30-4	HEXACHLOROPHENE	1000	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TCCSWB1WC

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS Case No.: TNK SAS No.: _____ SDG No.: PKG6

Matrix: (soil/water) WATER Lab Sample ID: P189227

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP03089203

Level: (low/med) LOW Date Received: 02/08/92

% Moisture: not dec. ____ dec. ____ Date Extracted: 02/13/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 03/09/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
60-51-5	DIMETHOATE	10	U
2303-16-4	DIALLATE	10	U
110-86-1	PYRIDINE	10	U
140-57-8	ARAMITE	50	U
88-85-7	2-SEC-BUTYL-4,6-DINITROPHENOL	10	U
108-39-4	M-CRESOL	10	U
82-68-8	PENTACHLORONITROBENZENE	50	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TCCSWB1WC

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS Case No.: TNK SAS No.: _____ SDG No.: PKG6

Matrix: (soil/water) WATER Lab Sample ID: P189227

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP03089203

Level: (low/med) LOW Date Received: 02/08/92

% Moisture: not dec. ____ dec. ____ Date Extracted: 02/13/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 03/09/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
60-51-5	DIMETHOATE	10	U
2303-16-4	DIALLATE	10	U
110-86-1	PYRIDINE	10	U
140-57-8	ARAMITE	50	U
88-85-7	2-SEC-BUTYL-4,6-DINITROPHENOL	10	U
108-39-4	M-CRESOL	10	U
82-68-8	PENTACHLORONITROBENZENE	50	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TCCSWB2W0002

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS Case No.: TNK SAS No.: _____ SDG No.: PKG6

Matrix: (soil/water) WATER Lab Sample ID: P189222

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP03089201

Level: (low/med) LOW Date Received: 02/08/92

% Moisture: not dec. ____ dec. ____ Date Extracted: 02/13/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 03/08/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
62-75-9	N-NITROSODIMETHYLAMINE	10	U
108-95-2	PHENOL	10	U
62-53-3	ANILINE	10	U
111-44-4	BIS(2-CHLOROETHYL)ETHER	10	U
95-57-8	2-CHLOROPHENOL	10	U
541-73-1	1,3-DICHLOROBENZENE	10	U
106-46-7	1,4-DICHLOROBENZENE	10	U
100-51-6	BENZYL ALCOHOL	10	U
95-50-1	1,2-DICHLOROBENZENE	10	U
95-48-7	2-METHYLPHENOL	10	U
39638-32-9	BIS(2-CHLOROISOPROPYL)ETHER	10	U
106-44-5	4-METHYLPHENOL	10	U
621-64-7	N-NITROSO-DI-N-PROPYLAMINE	10	U
67-72-1	HEXACHLOROETHANE	10	U
98-95-3	NITROBENZENE	10	U
78-59-1	ISOPHORONE	10	U
88-75-5	2-NITROPHENOL	10	U
105-67-9	2,4-DIMETHYLPHENOL	10	U
111-91-1	BIS(2-CHLOROETHOXY)METHANE	10	U
120-83-2	2,4-DICHLOROPHENOL	10	U
120-82-1	1,2,4-TRICHLOROBENZENE	10	U
91-20-3	NAPHTHALENE	10	U
106-47-8	4-CHLOROANILINE	10	U
87-68-3	HEXACHLOROBUTADIENE	10	U
59-50-7	4-CHLORO-3-METHYLPHENOL	10	U
91-57-6	2-METHYLNAPHTHALENE	10	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TCCSWB2W0002

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS Case No.: TNK SAS No.: _____ SDG No.: PKG6

Matrix: (soil/water) WATER Lab Sample ID: P189222

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP03089201

Level: (low/med) LOW Date Received: 02/08/92

% Moisture: not dec. ____ dec. ____ Date Extracted: 02/13/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 03/08/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
62-75-9	N-NITROSODIMETHYLAMINE	10	U
108-95-2	PHENOL	10	U
62-53-3	ANILINE	10	U
111-44-4	BIS(2-CHLOROETHYL)ETHER	10	U
95-57-8	2-CHLOROPHENOL	10	U
541-73-1	1,3-DICHLOROBENZENE	10	U
106-46-7	1,4-DICHLOROBENZENE	10	U
100-51-6	BENZYL ALCOHOL	10	U
95-50-1	1,2-DICHLOROBENZENE	10	U
95-48-7	2-METHYLPHENOL	10	U
39638-32-9	BIS(2-CHLOROISOPROPYL)ETHER	10	U
106-44-5	4-METHYLPHENOL	10	U
621-64-7	N-NITROSO-DI-N-PROPYLAMINE	10	U
67-72-1	HEXACHLOROETHANE	10	U
98-95-3	NITROBENZENE	10	U
78-59-1	ISOPHORONE	10	U
88-75-5	2-NITROPHENOL	10	U
105-67-9	2,4-DIMETHYLPHENOL	10	U
111-91-1	BIS(2-CHLOROETHOXY)METHANE	10	U
120-83-2	2,4-DICHLOROPHENOL	10	U
120-82-1	1,2,4-TRICHLOROBENZENE	10	U
91-20-3	NAPHTHALENE	10	U
106-47-8	4-CHLOROANILINE	10	U
87-68-3	HEXACHLOROBUTADIENE	10	U
59-50-7	4-CHLORO-3-METHYLPHENOL	10	U
91-57-6	2-METHYLNAPHTHALENE	10	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TCCSWB2W

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS Case No.: TNK SAS No.: _____ SDG No.: PKG6

Matrix: (soil/water) WATER Lab Sample ID: P189222

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP03089201

Level: (low/med) LOW Date Received: 02/08/92

% Moisture: not dec. ____ dec. ____ Date Extracted: 02/13/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 03/08/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
77-47-4	HEXACHLOROCYCLOPENTADIENE	10	U
88-06-2	2,4,6-TRICHLOROPHENOL	10	U
95-95-4	2,4,5-TRICHLOROPHENOL	50	U
91-58-7	2-CHLORONAPHTHALENE	10	U
88-74-4	2-NITROANILINE	50	U
131-11-3	DIMETHYLPHTHALATE	10	U
208-96-8	ACENAPHTHYLENE	10	U
606-20-2	2,6-DINITRITOLUENE	10	U
99-09-2	3-NITROANILINE	50	U
83-32-9	ACENAPHTHENE	10	U
51-28-5	2,4-DINITROPHENOL	50	U
100-02-7	4-NITROPHENOL	50	~~U~~ J
132-64-9	DIBENZOFURAN	10	U
121-14-2	2,4-DINITROTOLUENE	10	U
84-66-2	DIETHYLPHTHALATE	10	U
7005-72-3	4-CHLOROPHENYL-PHENYLETHER	10	U
86-73-7	FLUORENE	10	U
100-10-6	4-NITROANILINE	50	U
534-52-1	4,6-DINITRO-2-METHYLPHENOL	50	U
86-30-6	N-NITROSODIPHENYLAMINE (1)	10	U
101-55-3	4-BROMOPHENYL-PHENYLETHER	10	U
118-74-1	HEXACHLOROBENZENE	10	U
87-86-5	PENTACHLOROPHENOL	50	U
85-01-8	PHENANTHRENE	10	U
120-12-7	ANTHRACENE	10	U
84-74-2	DI-N-BUTYLPHTHALATE	10	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TCCSWB2W

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS Case No.: TNK SAS No.: _____ SDG No.: PKG6

Matrix: (soil/water) WATER Lab Sample ID: P189222

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP03089201

Level: (low/med) LOW Date Received: 02/08/92

% Moisture: not dec. ____ dec. ____ Date Extracted: 02/13/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 03/08/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
77-47-4	HEXACHLOROCYCLOPENTADIENE	10	U
88-06-2	2,4,6-TRICHLOROPHENOL	10	U
95-95-4	2,4,5-TRICHLOROPHENOL	50	U
91-58-7	2-CHLORONAPHTHALENE	10	U
88-74-4	2-NITROANILINE	50	U
131-11-3	DIMETHYLPHTHALATE	10	U
208-96-8	ACENAPHTHYLENE	10	U
606-20-2	2,6-DINITRITOLUENE	10	U
99-09-2	3-NITROANILINE	50	U
83-32-9	ACENAPHTHENE	10	U
51-28-5	2,4-DINITROPHENOL	50	U
100-02-7	4-NITROPHENOL	50	~~U~~ J
132-64-9	DIBENZOFURAN	10	U
121-14-2	2,4-DINITROTOLUENE	10	U
84-66-2	DIETHYLPHTHALATE	10	U
7005-72-3	4-CHLOROPHENYL-PHENYLETHER	10	U
86-73-7	FLUORENE	10	U
100-10-6	4-NITROANILINE	50	U
534-52-1	4,6-DINITRO-2-METHYLPHENOL	50	U
86-30-6	N-NITROSODIPHENYLAMINE (1)	10	U
101-55-3	4-BROMOPHENYL-PHENYLETHER	10	U
118-74-1	HEXACHLOROBENZENE	10	U
87-86-5	PENTACHLOROPHENOL	50	U
85-01-8	PHENANTHRENE	10	U
120-12-7	ANTHRACENE	10	U
84-74-2	DI-N-BUTYLPHTHALATE	10	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TCCSWB2W0002

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS Case No.: TNK SAS No.: _____ SDG No.: PKG6

Matrix: (soil/water) WATER Lab Sample ID: P189222

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP03089201

Level: (low/med) LOW Date Received: 02/08/92

% Moisture: not dec. ____ dec. ____ Date Extracted: 02/13/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 03/08/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
60-51-5	DIMETHOATE	10	U
2303-16-4	DIALLATE	10	U
110-86-1	PYRIDINE	10	U
140-57-8	ARAMITE	50	U
88-85-7	2-SEC-BUTYL-4,6-DINITROPHENOL	10	U
108-39-4	M-CRESOL	10	U
82-68-8	PENTACHLORONITROBENZENE	50	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TCCSWB2W0002

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS Case No.: TNK SAS No.: _____ SDG No.: PKG6

Matrix: (soil/water) WATER Lab Sample ID: P189222

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP03089201

Level: (low/med) LOW Date Received: 02/08/92

% Moisture: not dec. ____ dec. ____ Date Extracted: 02/13/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 03/08/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
60-51-5	DIMETHOATE	10	U
2303-16-4	DIALLATE	10	U
110-86-1	PYRIDINE	10	U
140-57-8	ARAMITE	50	U
88-85-7	2-SEC-BUTYL-4,6-DINITROPHENOL	10	U
108-39-4	M-CRESOL	10	U
82-68-8	PENTACHLORONITROBENZENE	50	U

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ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TCCSWB2W0002

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS Case No.: TNK SAS No.: _____ SDG No.: PKG6

Matrix: (soil/water) WATER Lab Sample ID: P189222

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP03089201

Level: (low/med) LOW Date Received: 02/08/92

% Moisture: not dec. ____ dec. ____ Date Extracted: 02/13/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 03/08/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
206-44-0	FLUORANTHENE	10	U
129-00-0	PYRENE	10	U
85-68-7	BUTYLBENZYLPHTHALATE	10	U
91-94-1	3,3'-DICHLOROBENZIDINE	20	U
56-55-3	BENZO(A)ANTHRACENE	10	U
218-01-9	CHRYSENE	10	U
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	10	U
117-84-0	DI-N-OCTYL PHTHALATE	10	U
205-99-2	BENZO(B)FLUORANTHENE	10	U
207-08-9	BENZO(K)FLUORANTHENE	10	U
50-32-8	BENZO(A)PYRENE	10	U
193-39-5	INDENO(1,2,3-CD)PYRENE	10	U
53-70-3	DIBENZO(A,H)ANTHRACENE	10	U
191-24-2	BENZO(G,H,I)PERYLENE	10	U
58-90-2	2,3,4,6-TETRACHLOROPHENOL	10	U
109-06-8	2-PICOLINE	10	U
62-50-0	METHANESULFONIC ACID, ETHYL E	10	U
100-75-4	N-NITROSOPIPERIDINE	20	U
87-65-0	2,6-DICHLOROPHENOL	10	U
924-16-3	NITROSO-DI-N-BUTYLAMINE	10	U
66-27-3	METHANESULFONIC ACID, METHYL	10	U
98-86-2	ACETOPHENONE	10	U
122-09-8	A,A-DIMETHYLPHENETHYLAMINE	10	~~U~~ UJ
608-93-5	PENTACHLOROBENZENE	10	U
92-67-1	4-AMINOBIPHENYL	10	U
60-11-7	P-DIMETHYLAMINOAZOBENZENE	10	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TCCSWB2W0002

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS Case No.: TNK SAS No.: _____ SDG No.: PKG6

Matrix: (soil/water) WATER Lab Sample ID: P189222

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP03089201

Level: (low/med) LOW Date Received: 02/08/92

% Moisture: not dec. _____ dec. _____ Date Extracted: 02/13/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 03/08/92

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
206-44-0	FLUORANTHENE	10	U
129-00-0	PYRENE	10	U
85-68-7	BUTYLBENZYLPHTHALATE	10	U
91-94-1	3,3'-DICHLOROBENZIDINE	20	U
56-55-3	BENZO(A)ANTHRACENE	10	U
218-01-9	CHRYSENE	10	U
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	10	U
117-84-0	DI-N-OCTYL PHTHALATE	10	U
205-99-2	BENZO(B)FLUORANTHENE	10	U
207-08-9	BENZO(K)FLUORANTHENE	10	U
50-32-8	BENZO(A)PYRENE	10	U
193-39-5	INDENO(1,2,3-CD)PYRENE	10	U
53-70-3	DIBENZO(A,H)ANTHRACENE	10	U
191-24-2	BENZO(G,H,I)PERYLENE	10	U
58-90-2	2,3,4,6-TETRACHLOROPHENOL	10	U
109-06-8	2-PICOLINE	10	U
62-50-0	METHANESULFONIC ACID, ETHYL E	10	U
100-75-4	N-NITROSOPIPERIDINE	20	U
87-65-0	2,6-DICHLOROPHENOL	10	U
924-16-3	NITROSO-DI-N-BUTYLAMINE	10	U
66-27-3	METHANESULFONIC ACID, METHYL	10	U
98-86-2	ACETOPHENONE	10	U
122-09-8	A,A-DIMETHYLPHENETHYLAMINE	10	~~U~~ UJ
608-93-5	PENTACHLOROBENZENE	10	U
92-67-1	4-AMINOBIPHENYL	10	U
60-11-7	P-DIMETHYLAMINOAZOBENZENE	10	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TCCSWB2W(

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS Case No.: TNK SAS No.: _____ SDG No.: PKG6

Matrix: (soil/water) WATER Lab Sample ID: P189222

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP03089201

Level: (low/med) LOW Date Received: 02/08/92

% Moisture: not dec. ____ dec. ____ Date Extracted: 02/13/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 03/08/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
57-97-6	7,12-DIMETHYLBENZ(A)ANTHRACEN	50	U
95-94-3	1,2,4,5-TETRACHLOROBENZENE	10	U
122-39-4	DIPHENYLAMINE	10	U
62-44-2	PHENACETIN	10	U
56-49-5	3-METHYLCHOLANTHRENE	10	U
23950-58-5	PRONAMIDE	10	U
91-59-8	2-NAPHTHALENEAMINE	10	U
106-50-3	P-PHENYLENEDIAMINE	50	U
120-58-1	ISOSAFROLE	10	U
99-55-8	5-NITRO-O-TOLUIDINE	10	U
56-57-5	4-NITROQUINOLINE 1-OXIDE	50	U
91-80-5	METHYAPYRILENE	10	U
781-73-7	2-ACETYLAMINOFLUORENE	10	U
10595-95-6	N-NITROSOMETHYLETHYLAMINE	10	U
55-18-5	N-NITROSODIETHYLAMINE	10	U
930-55-2	N-NITROSOPYRROLIDINE	10	U
59-89-2	N-NITROSOMORPHOLINE	10	U
95-53-4	O-TOLUIDINE	10	U
1981-0-0	0,0,0-TRIETHYLPHOSPHOROTHIOAT	50	U
94-59-7	SAFROLE	10	U
130-15-4	1,4-NAPHTHOQUINONE	50	U
99-35-4	SYM-TRINITROBENZENE	50	U
1888-71-7	HEXACHLOROPROPENE	50	U
99-65-0	M-DINITROBENZENE	20	U
612-82-8	3,3'-DIMETHYLBENZIDINE	0	U
70-30-4	HEXACHLOROPHENE	1000	U

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ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TCCSWB2W(

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS Case No.: TNK SAS No.: _____ SDG No.: PKG6

Matrix: (soil/water) WATER Lab Sample ID: P189222

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP03089201

Level: (low/med) LOW Date Received: 02/08/92

% Moisture: not dec. ____ dec. ____ Date Extracted: 02/13/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 03/08/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
57-97-6	7,12-DIMETHYLBENZ(A)ANTHRACEN	50	U
95-94-3	1,2,4,5-TETRACHLOROBENZENE	10	U
122-39-4	DIPHENYLAMINE	10	U
62-44-2	PHENACETIN	10	U
56-49-5	3-METHYLCHOLANTHRENE	10	U
23950-58-5	PRONAMIDE	10	U
91-59-8	2-NAPHTHALENEAMINE	10	U
106-50-3	P-PHENYLENEDIAMINE	50	U
120-58-1	ISOSAFROLE	10	U
99-55-8	5-NITRO-O-TOLUIDINE	10	U
56-57-5	4-NITROQUINOLINE 1-OXIDE	50	U
91-80-5	METHYAPYRILENE	10	U
781-73-7	2-ACETYLAMINOFLUORENE	10	U
10595-95-6	N-NITROSOMETHYLETHYLAMINE	10	U
55-18-5	N-NITROSODIETHYLAMINE	10	U
930-55-2	N-NITROSOPYRROLIDINE	10	U
59-89-2	N-NITROSOMORPHOLINE	10	U
95-53-4	O-TOLUIDINE	10	U
1981-0-0	0,0,0-TRIETHYLPHOSPHOROTHIOAT	50	U
94-59-7	SAFROLE	10	U
130-15-4	1,4-NAPHTHOQUINONE	50	U
99-35-4	SYM-TRINITROBENZENE	50	U
1888-71-7	HEXACHLOROPROPENE	50	U
99-65-0	M-DINITROBENZENE	20	U
612-82-8	3,3'-DIMETHYLBENZIDINE	0	U
70-30-4	HEXACHLOROPHENE	1000	U

E-18

VOLATILE ORGANIC COMPOUNDS IN SURFACE WATER - FEBRUARY 1992

E-18

VOLATILE ORGANIC COMPOUNDS IN SURFACE WATER - FEBRUARY 1992

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ORGANICS ANALYSIS DATA SHEET

SAMPLE NO

TKCSW01W0002

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG6

Matrix: (soil/water) WATER Lab Sample ID: P138952

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: DVP02079202

Level: (low/med) LOW Date Received: 02/04/92

% Moisture: not dec. _____ Date Analyzed: 02/07/92

Column Type: (Pack/Cap/Wide) CAP Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
74-87-3	CHLOROMETHANE	10	U
74-83-9	BROMOMETHANE	10	U
75-01-4	VINYL CHLORIDE	10	U
75-00-3	CHLOROETHANE	10	U
75-09-2	METHYLENE CHLORIDE	5	U
67-64-1	ACETONE	10	10 J
75-15-0	CARBON DISULFIDE	5	U
75-35-4	1,1-DICHLOROETHENE	5	U
75-34-3	1,1-DICHLOROETHANE	5	U
156-60-5	TRANS-1,2-DICHLOROETHENE	5	U
67-66-3	CHLOROFORM	5	U
107-06-2	1,2-DICHLOROETHANE	5	U
78-93-3	2-BUTANONE	10	U
71-55-6	1,1,1-TRICHLOROETHANE	5	U
56-23-5	CARBON TETRACHLORIDE	5	U
108-05-4	VINYL ACETATE	10	U
75-27-4	BROMODICHLOROMETHANE	5	U
78-87-5	1,2-DICHLOROPROPANE	5	U
10061-01-5	CIS-1,3-DICHLOROPROPENE	5	U
10061-02-6	TRANS-1,3-DICHLOROPROPENE	5	U
79-01-6	TRICHLOROETHENE	5	U
124-48-1	DIBROMOCHLOROMETHANE	5	U
79-00-5	1,1,2-TRICHLOROETHANE	5	U
71-43-2	BENZENE	5	U
10061-02-6	TRANS-1,3-DICHLOROPROPENE	5	U
75-25-2	BROMOFORM	5	U
108-10-1	4-METHYL-2-PENTANONE	10	U

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ORGANICS ANALYSIS DATA SHEET

SAMPLE NO

TKCSW01W0002

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG6

Matrix: (soil/water) WATER Lab Sample ID: P138952

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: DVP02079202

Level: (low/med) LOW Date Received: 02/04/92

% Moisture: not dec. ____ Date Analyzed: 02/07/92

Column Type: (Pack/Cap/Wide) CAP Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
74-87-3	CHLOROMETHANE	10	U
74-83-9	BROMOMETHANE	10	U
75-01-4	VINYL CHLORIDE	10	U
75-00-3	CHLOROETHANE	10	U
75-09-2	METHYLENE CHLORIDE	5	U
67-64-1	ACETONE	10	10 J
75-15-0	CARBON DISULFIDE	5	U
75-35-4	1,1-DICHLOROETHENE	5	U
75-34-3	1,1-DICHLOROETHANE	5	U
156-60-5	TRANS-1,2-DICHLOROETHENE	5	U
67-66-3	CHLOROFORM	5	U
107-06-2	1,2-DICHLOROETHANE	5	U
78-93-3	2-BUTANONE	10	U
71-55-6	1,1,1-TRICHLOROETHANE	5	U
56-23-5	CARBON TETRACHLORIDE	5	U
108-05-4	VINYL ACETATE	10	U
75-27-4	BROMODICHLOROMETHANE	5	U
78-87-5	1,2-DICHLOROPROPANE	5	U
10061-01-5	CIS-1,3-DICHLOROPROPENE	5	U
10061-02-6	TRANS-1,3-DICHLOROPROPENE	5	U
79-01-6	TRICHLOROETHENE	5	U
124-48-1	DIBROMOCHLOROMETHANE	5	U
79-00-5	1,1,2-TRICHLOROETHANE	5	U
71-43-2	BENZENE	5	U
10061-02-6	TRANS-1,3-DICHLOROPROPENE	5	U
75-25-2	BROMOFORM	5	U
108-10-1	4-METHYL-2-PENTANONE	10	U

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ORGANICS ANALYSIS DATA SHEET

SAMPLE NO

TKCSW01

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG6

Matrix: (soil/water) WATER Lab Sample ID: P188953

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: DVP02079202

Level: (low/med) LOW Date Received: 02/04/92

% Moisture: not dec. ____ Date Analyzed: 02/07/92

Column Type: (Pack/Cap/Wide) CAP Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
591-78-6	2-HEXANONE	10	U
127-18-4	TETRACHLOROETHENE	5	U
79-34-5	1,1,2,2-TETRACHLOROETHANE	5	U
108-88-3	TOLUENE	5	U
108-90-7	CHLOROBENZENE	5	U
100-41-4	ETHYLBENZENE	5	U
100-42-5	STYRENE	5	U
1330-20-7	XYLENE (TOTAL)	5	U
1684-42-0	ACROLEIN	100	U
107-13-1	ACRYLONITRILE	100	U
75-71-8	DICHLORODIFLUOROMETHANE	5	U
74-88-4	IODOMETHANE	5	U UJ
74-95-3	METHYLENE BROMIDE	5	U
97-63-2	ETHYL METHYLACRYLATE	10	U
96-18-4	1,2,3-TRICHLOROPROPANE	10	U
110-57-6	1,4-DICHLORO-2-BUTENE (TOTAL)	5	U
75-69-4	TRICHLOROFLUOROMETHANE	5	U
107-05-1	ALLYL CHLORIDE	5	U UJ
126-99-8	CHLOROPRENE	0	U
107-12-0	PROPIONITRILE	10	U
126-98-7	METHACRYLONITRILE	5	U
74-88-4	METHYLMETHACRYLATE	10	U
106-93-4	1,2-DIBROMOETHANE	5	U
630-20-6	1,1,1,2-TETRACHLOROETHANE	10	U
76-01-7	PENTACHLOROETHANE	10	U
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	10	U

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ORGANICS ANALYSIS DATA SHEET

SAMPLE NO

TKCSW01

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG6

Matrix: (soil/water) WATER Lab Sample ID: P188953

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: DVP02079202

Level: (low/med) LOW Date Received: 02/04/92

% Moisture: not dec. ____ Date Analyzed: 02/07/92

Column Type: (Pack/Cap/Wide) CAP Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
591-78-6	2-HEXANONE	10	U
127-18-4	TETRACHLOROETHENE	5	U
79-34-5	1,1,2,2-TETRACHLOROETHANE	5	U
108-88-3	TOLUENE	5	U
108-90-7	CHLOROBENZENE	5	U
100-41-4	ETHYLBENZENE	5	U
100-42-5	STYRENE	5	U
1330-20-7	XYLENE (TOTAL)	5	U
1664-42-0	ACROLEIN	100	U
107-13-1	ACRYLONITRILE	100	U
75-71-8	DICHLORODIFLUOROMETHANE	5	U
74-88-4	IODOMETHANE	5	U UJ
74-95-3	METHYLENE BROMIDE	5	U
97-63-2	ETHYL METHYLACRYLATE	10	U
96-18-4	1,2,3-TRICHLOROPROPANE	10	U
110-57-6	1,4-DICHLORO-2-BUTENE (TOTAL)	5	U
75-69-4	TRICHLOROFLUOROMETHANE	5	U
107-05-1	ALLYL CHLORIDE	5	U UJ
126-99-8	CHLOROPRENE	0	U
107-12-0	PROPIONITRILE	10	U
126-98-7	METHACRYLONITRILE	5	U
74-88-4	METHYLMETHACRYLATE	10	U
106-93-4	1,2-DIBROMOETHANE	5	U
630-20-6	1,1,1,2-TETRACHLOROETHANE	10	U
76-01-7	PENTACHLOROETHANE	10	U
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	10	U

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ORGANICS ANALYSIS DATA SHEET

SAMPLE NO

TKCSW01C000C

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG6

Matrix: (soil/water) WATER Lab Sample ID: P188954

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: DVP02079203

Level: (low/med) LOW Date Received: 02/04/92

% Moisture: not dec. _____ Date Analyzed: 02/07/92

Column Type: (Pack/Cap/Wide) CAP Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
74-87-3	CHLOROMETHANE	10	U
74-83-9	BROMOMETHANE	10	U
75-01-4	VINYL CHLORIDE	10	U
75-00-3	CHLOROETHANE	10	U
75-09-2	METHYLENE CHLORIDE	5	U
67-64-1	ACETONE	10	U
75-15-0	CARBON DISULFIDE	5	U
75-35-4	1,1-DICHLOROETHENE	5	U
75-34-3	1,1-DICHLOROETHANE	5	U
156-60-5	TRANS-1,2-DICHLOROETHENE	5	U
67-66-3	CHLOROFORM	5	U
107-06-2	1,2-DICHLOROETHANE	5	U
78-93-3	2-BUTANONE	10	U
71-55-6	1,1,1-TRICHLOROETHANE	5	U
56-23-5	CARBON TETRACHLORIDE	5	U
108-05-4	VINYL ACETATE	10	U
75-27-4	BROMODICHLOROMETHANE	5	U
78-87-5	1,2-DICHLOROPROPANE	5	U
10061-01-5	CIS-1,3-DICHLOROPROPENE	5	U
10061-02-6	TRANS-1,3-DICHLOROPROPENE	5	U
79-01-6	TRICHLOROETHENE	5	U
124-48-1	DIBROMOCHLOROMETHANE	5	U
79-00-5	1,1,2-TRICHLOROETHANE	5	U
71-43-2	BENZENE	5	U
10061-02-6	TRANS-1,3-DICHLOROPROPENE	5	U
75-25-2	BROMOFORM	5	U
108-10-1	4-METHYL-2-PENTANONE	10	U

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ORGANICS ANALYSIS DATA SHEET

SAMPLE NO

TKCSW01C000C

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG6

Matrix: (soil/water) WATER Lab Sample ID: P188954

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: DVP02079203

Level: (low/med) LOW Date Received: 02/04/92

% Moisture: not dec. _____ Date Analyzed: 02/07/92

Column Type: (Pack/Cap/Wide) CAP Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
74-87-3	CHLOROMETHANE	10	U
74-83-9	BROMOMETHANE	10	U
75-01-4	VINYL CHLORIDE	10	U
75-00-3	CHLOROETHANE	10	U
75-09-2	METHYLENE CHLORIDE	5	U
67-64-1	ACETONE	10	U
75-15-0	CARBON DISULFIDE	5	U
75-35-4	1,1-DICHLOROETHENE	5	U
75-34-3	1,1-DICHLOROETHANE	5	U
156-60-5	TRANS-1,2-DICHLOROETHENE	5	U
67-66-3	CHLOROFORM	5	U
107-06-2	1,2-DICHLOROETHANE	5	U
78-93-3	2-BUTANONE	10	U
71-55-6	1,1,1-TRICHLOROETHANE	5	U
56-23-5	CARBON TETRACHLORIDE	5	U
108-05-4	VINYL ACETATE	10	U
75-27-4	BROMODICHLOROMETHANE	5	U
78-87-5	1,2-DICHLOROPROPANE	5	U
10061-01-5	CIS-1,3-DICHLOROPROPENE	5	U
10061-02-6	TRANS-1,3-DICHLOROPROPENE	5	U
79-01-6	TRICHLOROETHENE	5	U
124-48-1	DIBROMOCHLOROMETHANE	5	U
79-00-5	1,1,2-TRICHLOROETHANE	5	U
71-43-2	BENZENE	5	U
10061-02-6	TRANS-1,3-DICHLOROPROPENE	5	U
75-25-2	BROMOFORM	5	U
108-10-1	4-METHYL-2-PENTANONE	10	U

C00114

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ORGANICS ANALYSIS DATA SHEET

SAMPLE NO

TKCSW01

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG6

Matrix: (soil/water) WATER Lab Sample ID: P188954

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: DVP02079203

Level: (low/med) LOW Date Received: 02/04/92

% Moisture: not dec. _____ Date Analyzed: 02/07/92

Column Type: (Pack/Cap/Wide) CAP Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
591-78-6	2-HEXANONE	10	U
127-18-4	TETRACHLOROETHENE	5	U
79-34-5	1,1,2,2-TETRACHLOROETHANE	5	U
108-88-3	TOLUENE	5	U
108-90-7	CHLOROBENZENE	5	U
100-41-4	ETHYLBENZENE	5	U
100-42-5	STYRENE	5	U
1330-20-7	XYLENE (TOTAL)	5	U
1664-42-0	ACROLEIN	100	U
107-13-1	ACRYLONITRILE	100	U
75-71-8	DICHLORODIFLUOROMETHANE	5	U
74-88-4	IODOMETHANE	5	U
74-95-3	METHYLENE BROMIDE	5	U
97-63-2	ETHYL METHYLACRYLATE	10	U
96-18-4	1,2,3-TRICHLOROPROPANE	10	U
110-57-6	1,4-DICHLORO-2-BUTENE (TOTAL)	5	U
75-69-4	TRICHLOROFLUOROMETHANE	5	U
107-05-1	ALLYL CHLORIDE	5	U
126-99-8	CHLOROPRENE	0	U
107-12-0	PROPIONITRILE	10	U
126-98-7	METHACRYLONITRILE	5	U
74-88-4	METHYLMETHACRYLATE	10	U
106-93-4	1,2-DIBROMOETHANE	5	U
630-20-6	1,1,1,2-TETRACHLOROETHANE	10	U
76-01-7	PENTACHLOROETHANE	10	U
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	10	U

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ORGANICS ANALYSIS DATA SHEET

SAMPLE NO

TKCSW01

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG6

Matrix: (soil/water) WATER Lab Sample ID: P188954

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: DVP0207920I

Level: (low/med) LOW Date Received: 02/04/92

% Moisture: not dec. ____ Date Analyzed: 02/07/92

Column Type: (Pack/Cap/Wide) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
591-78-6	2-HEXANONE	10	U
127-18-4	TETRACHLOROETHENE	5	U
79-34-5	1,1,2,2-TETRACHLOROETHANE	5	U
108-88-3	TOLUENE	5	U
108-90-7	CHLOROBENZENE	5	U
100-41-4	ETHYLBENZENE	5	U
100-42-5	STYRENE	5	U
1330-20-7	XYLENE (TOTAL)	5	U
1664-42-0	ACROLEIN	100	U
107-13-1	ACRYLONITRILE	100	U
75-71-8	DICHLORODIFLUOROMETHANE	5	U
74-88-4	IODOMETHANE	5	U
74-95-3	METHYLENE BROMIDE	5	U
97-63-2	ETHYL METHYLACRYLATE	10	U
96-18-4	1,2,3-TRICHLOROPROPANE	10	U
110-57-6	1,4-DICHLORO-2-BUTENE (TOTAL)	5	U
75-69-4	TRICHLOROFLUOROMETHANE	5	U
107-05-1	ALLYL CHLORIDE	5	U
126-99-8	CHLOROPRENE	0	U
107-12-0	PROPIONITRILE	10	U
126-98-7	METHACRYLONITRILE	5	U
74-82-4	METHYLMETHACRYLATE	10	U
106-93-4	1,2-DIBROMOETHANE	5	U
630-20-6	1,1,1,2-TETRACHLOROETHANE	10	U
76-01-7	PENTACHLOROETHANE	10	U
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	10	U

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ORGANICS ANALYSIS DATA SHEET

SAMPLE NO

TKCSW05W0002

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG6

Matrix: (soil/water) WATER Lab Sample ID: P189149

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: DVP02119201

Level: (low/med) LOW Date Received: 02/06/92

% Moisture: not dec. ____ Date Analyzed: 02/11/92

Column Type: (Pack/Cap/Wide) CAP Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
74-87-3	CHLOROMETHANE	10	U
74-83-9	BROMOMETHANE	10	U
75-01-4	VINYL CHLORIDE	10	U
75-00-3	CHLOROETHANE	10	U
75-09-2	METHYLENE CHLORIDE	5	U
67-64-1	ACETONE	10	U
75-15-0	CARBON DISULFIDE	5	U
75-35-4	1,1-DICHLOROETHENE	5	U
75-34-3	1,1-DICHLOROETHANE	5	U
156-60-5	TRANS-1,2-DICHLOROETHENE	5	U
67-66-3	CHLOROFORM	5	U
107-06-2	1,2-DICHLOROETHANE	5	U
78-93-3	2-BUTANONE	10	U
71-55-6	1,1,1-TRICHLOROETHANE	5	U
56-23-5	CARBON TETRACHLORIDE	5	U
108-05-4	VINYL ACETATE	10	U
75-27-4	BROMODICHLOROMETHANE	5	U
78-87-5	1,2-DICHLOROPROPANE	5	U
10061-01-5	CIS-1,3-DICHLOROPROPENE	5	U
10061-02-6	TRANS-1,3-DICHLOROPROPENE	5	U
79-01-6	TRICHLOROETHENE	5	U
124-48-1	DIBROMOCHLOROMETHANE	5	U
79-00-5	1,1,2-TRICHLOROETHANE	5	U
71-43-2	BENZENE	5	U
10061-02-6	TRANS-1,3-DICHLOROPROPENE	5	U
75-25-2	BROMOFORM	5	U
108-10-1	4-METHYL-2-PENTANONE	10	~~U~~ J

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ORGANICS ANALYSIS DATA SHEET

SAMPLE NO

TKCSW05W0002

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG6

Matrix: (soil/water) WATER Lab Sample ID: P189149

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: DVP02119201

Level: (low/med) LOW Date Received: 02/06/92

% Moisture: not dec. ____ Date Analyzed: 02/11/92

Column Type: (Pack/Cap/Wide) CAP Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
74-87-3	CHLOROMETHANE	10	U
74-83-9	BROMOMETHANE	10	U
75-01-4	VINYL CHLORIDE	10	U
75-00-3	CHLOROETHANE	10	U
75-09-2	METHYLENE CHLORIDE	5	U
67-64-1	ACETONE	10	U
75-15-0	CARBON DISULFIDE	5	U
75-35-4	1,1-DICHLOROETHENE	5	U
75-34-3	1,1-DICHLOROETHANE	5	U
156-60-5	TRANS-1,2-DICHLOROETHENE	5	U
67-66-3	CHLOROFORM	5	U
107-06-2	1,2-DICHLOROETHANE	5	U
78-93-3	2-BUTANONE	10	U
71-55-6	1,1,1-TRICHLOROETHANE	5	U
56-23-5	CARBON TETRACHLORIDE	5	U
108-05-4	VINYL ACETATE	10	U
75-27-4	BROMODICHLOROMETHANE	5	U
78-87-5	1,2-DICHLOROPROPANE	5	U
10061-01-5	CIS-1,3-DICHLOROPROPENE	5	U
10061-02-6	TRANS-1,3-DICHLOROPROPENE	5	U
79-01-6	TRICHLOROETHENE	5	U
124-48-1	DIBROMOCHLOROMETHANE	5	U
79-00-5	1,1,2-TRICHLOROETHANE	5	U
71-43-2	BENZENE	5	U
10061-02-6	TRANS-1,3-DICHLOROPROPENE	5	U
75-25-2	BROMOFORM	5	U
108-10-1	4-METHYL-2-PENTANONE	10	~~U~~ UJ

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ORGANICS ANALYSIS DATA SHEET

SAMPLE NO

TKCSW05

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG6

Matrix: (soil/water) WATER Lab Sample ID: P189149

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: DVP02119201

Level: (low/med) LOW Date Received: 02/06/92

% Moisture: not dec. ____ Date Analyzed: 02/11/92

Column Type: (Pack/Cap/Wide) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
591-78-6	2-HEXANONE	10	U
127-18-4	TETRACHLOROETHENE	5	U
79-34-5	1,1,2,2-TETRACHLOROETHANE	5	U
108-88-3	TOLUENE	5	U
108-90-7	CHLOROBENZENE	5	U
100-41-4	ETHYLBENZENE	5	U
100-42-5	STYRENE	5	U
1330-20-7	XYLENE (TOTAL)	4	J
1684-42-0	ACROLEIN	100	U
107-13-1	ACRYLONITRILE	100	U
75-71-8	DICHLORODIFLUOROMETHANE	5	U
74-88-4	IODOMETHANE	5	U
74-95 3	METHYLENE BROMIDE	5	U
97-63-2	ETHYL METHYLACRYLATE	10	U
96-18-4	1,2,3-TRICHLOROPROPANE	10	U
110-57-6	1,4-DICHLORO-2-BUTENE (TOTAL)	5	U
75-69-4	TRICHLOROFLUOROMETHANE	5	U
107-05-1	ALLYL CHLORIDE	5	U
126-99-8	CHLOROPRENE	0	U
107-12-0	PROPIONITRILE	10	U
126-98-7	METHACRYLONITRILE	5	U
74-88-4	METHYLMETHACRYLATE	10	U
106-93-4	1,2-DIBROMOETHANE	5	U
630-20-6	1,1,1,2-TETRACHLOROETHANE	10	U
76-01-7	PENTACHLOROETHANE	10	U
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	10	U

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ORGANICS ANALYSIS DATA SHEET

SAMPLE NO

TKCSW05

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG6

Matrix: (soil/water) WATER Lab Sample ID: P189149

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: DVP02119201

Level: (low/med) LOW Date Received: 02/06/92

% Moisture: not dec. ____ Date Analyzed: 02/11/92

Column Type: (Pack/Cap/Wide) CAP Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
591-78-6	2-HEXANONE	10	U
127-18-4	TETRACHLOROETHENE	5	U
79-34-5	1,1,2,2-TETRACHLOROETHANE	5	U
108-88-3	TOLUENE	5	U
108-90-7	CHLOROBENZENE	5	U
100-41-4	ETHYLBENZENE	5	U
100-42-5	STYRENE	5	U
1330-20-7	XYLENE (TOTAL)	4	J
1664-42-0	ACROLEIN	100	U
107-13-1	ACRYLONITRILE	100	U
75-71-8	DICHLORODIFLUOROMETHANE	5	U
74-88-4	IODOMETHANE	5	U
74-95-3	METHYLENE BROMIDE	5	U
97-63-2	ETHYL METHYLACRYLATE	10	U
96-18-4	1,2,3-TRICHLOROPROPANE	10	U
110-57-6	1,4-DICHLORO-2-BUTENE (TOTAL)	5	U
75-69-4	TRICHLOROFLUOROMETHANE	5	U
107-05-1	ALLYL CHLORIDE	5	U
126-99-8	CHLOROPRENE	0	U
107-12-0	PROPIONITRILE	10	U
126-98-7	METHACRYLONITRILE	5	U
74-88-4	METHYLMETHACRYLATE	10	U
106-93-4	1,2-DIBROMOETHANE	5	U
630-20-6	1,1,1,2-TETRACHLOROETHANE	10	U
76-01-7	PENTACHLOROETHANE	10	U
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	10	U

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ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TCCSW06W0002

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG6

Matrix: (soil/water) WATER Lab Sample ID: P189026

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: DVP02099201

Level: (low/med) LOW Date Received: 02/05/92

% Moisture: not dec. _____ Date Analyzed: 02/09/92

Column Type: (Pack/Cap/Wide) CAP Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
74-87-3	CHLOROMETHANE	10	U
74-83-9	BROMOMETHANE	10	U
75-01-4	VINYL CHLORIDE	10	U
75-00-3	CHLOROETHANE	10	U
75-09-2	METHYLENE CHLORIDE	5	U
67-64-1	ACETONE	10	U
75-15-0	CARBON DISULFIDE	5	U
75-35-4	1,1-DICHLOROETHENE	5	U
75-34-3	1,1-DICHLOROETHANE	5	U
156-60-5	TRANS-1,2-DICHLOROETHENE	5	U
67-66-3	CHLOROFORM	5	U
107-06-2	1,2-DICHLOROETHANE	5	U
78-93-3	2-BUTANONE	10	U
71-55-6	1,1,1-TRICHLOROETHANE	5	U
56-23-5	CARBON TETRACHLORIDE	5	U
108-05-4	VINYL ACETATE	10	U
75-27-4	BROMODICHLOROMETHANE	5	U
78-87-5	1,2-DICHLOROPROPANE	5	U
10061-01-5	CIS-1,3-DICHLOROPROPENE	5	U
10061-02-6	TRANS-1,3-DICHLOROPROPENE	5	U
79-01-6	TRICHLOROETHENE	5	U
124-48-1	DIBROMOCHLOROMETHANE	5	U
79-00-5	1,1,2-TRICHLOROETHANE	5	U
71-43-2	BENZENE	5	U
10061-02-6	TRANS-1,3-DICHLOROPROPENE	5	U
75-25-2	BROMOFORM	5	U
108-10-1	4-METHYL-2-PENTANONE	10	U

000030

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ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TCCSW06W0002

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG6

Matrix: (soil/water) WATER Lab Sample ID: P189026

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: DVP02099201

Level: (low/med) LOW Date Received: 02/05/92

% Moisture: not dec. ____ Date Analyzed: 02/09/92

Column Type: (Pack/Cap/Wide) CAP Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
74-87-3	CHLOROMETHANE	10	U
74-83-9	BROMOMETHANE	10	U
75-01-4	VINYL CHLORIDE	10	U
75-00-3	CHLOROETHANE	10	U
75-09-2	METHYLENE CHLORIDE	5	U
67-64-1	ACETONE	10	U
75-15-0	CARBON DISULFIDE	5	U
75-35-4	1,1-DICHLOROETHENE	5	U
75-34-3	1,1-DICHLOROETHANE	5	U
156-60-5	TRANS-1,2-DICHLOROETHENE	5	U
67-66-3	CHLOROFORM	5	U
107-06-2	1,2-DICHLOROETHANE	5	U
78-93-3	2-BUTANONE	10	U
71-55-6	1,1,1-TRICHLOROETHANE	5	U
56-23-5	CARBON TETRACHLORIDE	5	U
108-05-4	VINYL ACETATE	10	U
75-27-4	BROMODICHLOROMETHANE	5	U
78-87-5	1,2-DICHLOROPROPANE	5	U
10061-01-5	CIS-1,3-DICHLOROPROPENE	5	U
10061-02-6	TRANS-1,3-DICHLOROPROPENE	5	U
79-01-6	TRICHLOROETHENE	5	U
124-48-1	DIBROMOCHLOROMETHANE	5	U
79-00-5	1,1,2-TRICHLOROETHANE	5	U
71-43-2	BENZENE	5	U
10061-02-6	TRANS-1,3-DICHLOROPROPENE	5	U
75-25-2	BROMOFORM	5	U
108-10-1	4-METHYL-2-PENTANONE	10	U

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ORGANICS ANALYSIS DATA SHEET

SAMPLE NO

TCCSW061

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG6

Matrix: (soil/water) WATER Lab Sample ID: P189026

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: DVP02099201

Level: (low/med) LOW Date Received: 02/05/92

% Moisture: not dec. _____ Date Analyzed: 02/09/92

Column Type: (Pack/Cap/Wide) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
591-78-6	2-HEXANONE	10	U
127-18-4	TETRACHLOROETHENE	5	U
79-34-5	1,1,2,2-TETRACHLOROETHANE	5	U
108-88-3	TOLUENE	5	U
108-90-7	CHLOROBENZENE	5	U
100-41-4	ETHYLBENZENE	5	U
100-42-5	STYRENE	5	U
1330-20-7	XYLENE (TOTAL)	5	U
1684-42-0	ACROLEIN	100	U
107-13-1	ACRYLONITRILE	100	U
75-71-8	DICHLORODIFLUOROMETHANE	5	U
74-88-4	IODOMETHANE	5	UJ
74-95-3	METHYLENE BROMIDE	5	UJ
97-63-2	ETHYL METHYLACRYLATE	10	U
96-18-4	1,2,3-TRICHLOROPROPANE	10	U
110-57-6	1,4-DICHLORO-2-BUTENE (TOTAL)	~~5~~	~~U~~ R
75-69-4	TRICHLOROFLUOROMETHANE	5	U
107-05-1	ALLYL CHLORIDE	5	UJ
126-99-8	CHLOROPRENE	0	U
107-12-0	PROPIONITRILE	10	U
126-98-7	METHACRYLONITRILE	5	U
74-89-4	METHYLMETHACRYLATE	10	U
106-93-4	1,2-DIBROMOETHANE	5	U
630-20-6	1,1,1,2-TETRACHLOROETHANE	10	U
76-01-7	PENTACHLOROETHANE	10	U
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	10	U

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ORGANICS ANALYSIS DATA SHEET

SAMPLE NO

TCCSW061

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG6

Matrix: (soil/water) WATER Lab Sample ID: P189026

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: DVP02099201

Level: (low/med) LOW Date Received: 02/05/92

% Moisture: not dec. ____ Date Analyzed: 02/09/92

Column Type: (Pack/Cap/Wide) CAP Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
591-78-6	2-HEXANONE	10	U
127-18-4	TETRACHLOROETHENE	5	U
79-34-5	1,1,2,2-TETRACHLOROETHANE	5	U
108-88-3	TOLUENE	5	U
108-90-7	CHLOROBENZENE	5	U
100-41-4	ETHYLBENZENE	5	U
100-42-5	STYRENE	5	U
1330-20-7	XYLENE (TOTAL)	5	U
1684-42-0	ACROLEIN	100	U
107-13-1	ACRYLONITRILE	100	U
75-71-8	DICHLORODIFLUOROMETHANE	5	U
74-88-4	IODOMETHANE	5	~~U~~ UJ
74-95-3	METHYLENE BROMIDE	5	~~U~~ UJ
97-63-2	ETHYL METHYLACRYLATE	10	U
96-18-4	1,2,3-TRICHLOROPROPANE	10	U
110-57-6	1,4-DICHLORO-2-BUTENE (TOTAL)	~~5~~	~~U~~ R
75-69-4	TRICHLOROFLUOROMETHANE	5	U
107-05-1	ALLYL CHLORIDE	5	~~U~~ UJ
126-99-8	CHLOROPRENE	0	U
107-12-0	PROPIONITRILE	10	U
126-98-7	METHACRYLONITRILE	5	U
74-89-4	METHYLMETHACRYLATE	10	U
106-93-4	1,2-DIBROMOETHANE	5	U
630-20-6	1,1,1,2-TETRACHLOROETHANE	10	U
76-01-7	PENTACHLOROETHANE	10	U
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	10	U

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ORGANICS ANALYSIS DATA SHEET

SAMPLE NO

TCCSW15W0001

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG6

Matrix: (soil/water) WATER Lab Sample ID: P189029

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: DVP02099208

Level: (low/med) LOW Date Received: 02/05/92

% Moisture: not dec. _____ Date Analyzed: 02/09/92

Column Type: (Pack/Cap/Wide) CAP Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
74-87-3	CHLOROMETHANE	10	U
74-83-9	BROMOMETHANE	10	U
75-01-4	VINYL CHLORIDE	10	U
75-00-3	CHLOROETHANE	10	U
75-09-2	METHYLENE CHLORIDE	5	U
67-64-1	ACETONE	10	U
75-15-0	CARBON DISULFIDE	5	U
75-35-4	1,1-DICHLOROETHENE	5	U
75-34-3	1,1-DICHLOROETHANE	5	U
156-60-5	TRANS-1,2-DICHLOROETHENE	5	U
67-66-3	CHLOROFORM	5	U
107-06-2	1,2-DICHLOROETHANE	5	U
78-93-3	2-BUTANONE	10	U
71-55-6	1,1,1-TRICHLOROETHANE	5	U
56-23-5	CARBON TETRACHLORIDE	5	U
108-05-4	VINYL ACETATE	10	U
75-27-4	BROMODICHLOROMETHANE	5	U
78-87-5	1,2-DICHLOROPROPANE	5	U
10061-01-5	CIS-1,3-DICHLOROPROPENE	5	U
10061-02-6	TRANS-1,3-DICHLOROPROPENE	5	U
79-01-6	TRICHLOROETHENE	5	U
124-48-1	DIBROMOCHLOROMETHANE	5	U
79-00-5	1,1,2-TRICHLOROETHANE	5	U
71-43-2	BENZENE	5	U
10061-02-6	TRANS-1,3-DICHLOROPROPENE	5	U
75-25-2	BROMOFORM	5	U
108-10-1	4-METHYL-2-PENTANONE	10	U

1X

ORGANICS ANALYSIS DATA SHEET

SAMPLE NO

TCCSW15W0002

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG6

Matrix: (soil/water) WATER Lab Sample ID: P189029

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: DVP02099208

Level: (low/med) LOW Date Received: 02/05/92

% Moisture: not dec. ____ Date Analyzed: 02/09/92

Column Type: (Pack/Cap/Wide) CAP Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
74-87-3	CHLOROMETHANE	10	U
74-83-9	BROMOMETHANE	10	U
75-01-4	VINYL CHLORIDE	10	U
75-00-3	CHLOROETHANE	10	U
75-09-2	METHYLENE CHLORIDE	5	U
67-64-1	ACETONE	10	U
75-15-0	CARBON DISULFIDE	5	U
75-35-4	1,1-DICHLOROETHENE	5	U
75-34-3	1,1-DICHLOROETHANE	5	U
156-60-5	TRANS-1,2-DICHLOROETHENE	5	U
67-66-3	CHLOROFORM	5	U
107-06-2	1,2-DICHLOROETHANE	5	U
78-93-3	2-BUTANONE	10	U
71-55-6	1,1,1-TRICHLOROETHANE	5	U
56-23-5	CARBON TETRACHLORIDE	5	U
108-05-4	VINYL ACETATE	10	U
75-27-4	BROMODICHLOROMETHANE	5	U
78-87-5	1,2-DICHLOROPROPANE	5	U
10061-01-5	CIS-1,3-DICHLOROPROPENE	5	U
10061-02-6	TRANS-1,3-DICHLOROPROPENE	5	U
79-01-6	TRICHLOROETHENE	5	U
124-48-1	DIBROMOCHLOROMETHANE	5	U
79-00-5	1,1,2-TRICHLOROETHANE	5	U
71-43-2	BENZENE	5	U
10061-02-6	TRANS-1,3-DICHLOROPROPENE	5	U
75-25-2	BROMOFORM	5	U
108-10-1	4-METHYL-2-PENTANONE	10	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO

TCCSW151

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG6

Matrix: (soil/water) WATER Lab Sample ID: P189029

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: DVP02099208

Level: (low/med) LOW Date Received: 02/05/92

% Moisture: not dec. _____ Date Analyzed: 02/09/92

Column Type: (Pack/Cap/Wide) CAP Dilution Factor: 1.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
591-78-6	2-HEXANONE	10	U
127-18-4	TETRACHLOROETHENE	5	U
79-34-5	1,1,2,2-TETRACHLOROETHANE	5	U
108-88-3	TOLUENE	5	U
108-90-7	CHLOROBENZENE	5	U
100-41-4	ETHYLBENZENE	5	U
100-42-5	STYRENE	5	U
1330-20-7	XYLENE (TOTAL)	5	U
1684-42-0	ACROLEIN	100	U
107-13-1	ACRYLONITRIL	100	U
75-71-8	DICHLORODIFLUOROMETHANE	5	U
74-88-4	IODOMETHANE	5	UJ
74-95 3	METHYLENE BROMIDE	5	UJ
97-63-2	ETHYL METHYLACRYLATE	10	U
96-18-4	1,2,3-TRICHLOROPROPANE	10	U
110-57-6	1,4-DICHLORO-2-BUTENE (TOTAL)	5	UJ
75-69-4	TRICHLOROFLUOROMETHANE	5	U
107-05-1	ALLYL CHLORIDE	5	UJ
126-99-8	CHLOROPRENE	0	U
107-12-0	PROPIONITRILE	10	U
126-98-7	METHACRYLONITRILE	5	U
74-88-4	METHYLMETHACRYLATE	10	U
106-93-4	1,2-DIBROMOETHANE	5	U
630-20-6	1,1,1,2-TETRACHLOROETHANE	10	U
76-01-7	PENTACHLOROETHANE	10	U
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	10	U

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1X

ORGANICS ANALYSIS DATA SHEET

SAMPLE NO

TCCSW151

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG6

Matrix: (soil/water) WATER Lab Sample ID: P189029

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: DVP0209920B

Level: (low/med) LOW Date Received: 02/05/92

% Moisture: not dec. ____ Date Analyzed: 02/09/92

Column Type: (Pack/Cap/Wide) CAP Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
591-78-6	2-HEXANONE	10	U
127-18-4	TETRACHLOROETHENE	5	U
79-34-5	1,1,2,2-TETRACHLOROETHANE	5	U
108-88-3	TOLUENE	5	U
108-90-7	CHLOROBENZENE	5	U
100-41-4	ETHYLBENZENE	5	U
100-42-5	STYRENE	5	U
1330-20-7	XYLENE (TOTAL)	5	U
1664-42-0	ACROLEIN	100	U
107-13-1	ACRYLONITRILE	100	U
75-71-8	DICHLORODIFLUOROMETHANE	5	U
74-88-4	IODOMETHANE	5	UJ
74-95 3	METHYLENE BROMIDE	5	UJ
97-63-2	ETHYL METHYLACRYLATE	10	U
96-18-4	1,2,3-TRICHLOROPROPANE	10	U
110-57-6	1,4-DICHLORO-2-BUTENE (TOTAL)	5	UJ
75-69-4	TRICHLOROFLUOROMETHANE	5	U
107-05-1	ALLYL CHLORIDE	5	UJ
126-99-8	CHLOROPRENE	0	U
107-12-0	PROPIONITRILE	10	U
126-98-7	METHACRYLONITRILE	5	U
74-88-4	METHYLMETHACRYLATE	10	U
106-93-4	1,2-DIBROMOETHANE	5	U
630-20-6	1,1,1,2-TETRACHLOROETHANE	10	U
76-01-7	PENTACHLOROETHANE	10	U
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	10	U

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ORGANICS ANALYSIS DATA SHEET

SAMPLE NO

TECSW22W0000

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG6

Matrix: (soil/water) WATER Lab Sample ID: P189214

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: DVP02139201

Level: (low/med) LOW Date Received: 02/08/92

% Moisture: not dec. ____ Date Analyzed: 02/13/92

Column Type: (Pack/Cap/Wide) CAP Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
74-87-3	CHLOROMETHANE	10	U
74-83-9	BROMOMETHANE	10	U
75-01-4	VINYL CHLORIDE	10	U
75-00-3	CHLOROETHANE	10	U
75-09-2	METHYLENE CHLORIDE	5	U
67-64-1	ACETONE	10	U
75-15-0	CARBON DISULFIDE	5	U
75-35-4	1,1-DICHLOROETHENE	5	U
75-34-3	1,1-DICHLOROETHANE	5	U
156-60-5	TRANS-1,2-DICHLOROETHENE	5	U
67-66-3	CHLOROFORM	5	U
107-06-2	1,2-DICHLOROETHANE	5	U
78-93-3	2-BUTANONE	10	U
71-55-6	1,1,1-TRICHLOROETHANE	5	U
56-23-5	CARBON TETRACHLORIDE	5	U
108-05-4	VINYL ACETATE	10	U
75-27-4	BROMODICHLOROMETHANE	5	U
78-87-5	1,2-DICHLOROPROPANE	5	U
10061-01-5	CIS-1,3-DICHLOROPROPENE	5	U
10061-02-6	TRANS-1,3-DICHLOROPROPENE	5	U
79-01-6	TRICHLOROETHENE	5	U
124-48-1	DIBROMOCHLOROMETHANE	5	U
79-00-5	1,1,2-TRICHLOROETHANE	5	U
71-43-2	BENZENE	5	U
10061-02-6	TRANS-1,3-DICHLOROPROPENE	5	U
75-25-2	BROMOFORM	5	U
108-10-1	4-METHYL-2-PENTANONE	10	U

000086

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ORGANICS ANALYSIS DATA SHEET

SAMPLE NO

TECSW22W0002

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG6

Matrix: (soil/water) WATER Lab Sample ID: P189214

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: DVP02139201

Level: (low/med) LOW Date Received: 02/08/92

% Moisture: not dec. ____ Date Analyzed: 02/13/92

Column Type: (Pack/Cap/Wide) CAP Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
74-87-3	CHLOROMETHANE	10	U
74-83-9	BROMOMETHANE	10	U
75-01-4	VINYL CHLORIDE	10	U
75-00-3	CHLOROETHANE	10	U
75-09-2	METHYLENE CHLORIDE	5	U
67-64-1	ACETONE	10	U
75-15-0	CARBON DISULFIDE	5	U
75-35-4	1,1-DICHLOROETHENE	5	U
75-34-3	1,1-DICHLOROETHANE	5	U
156-60-5	TRANS-1,2-DICHLOROETHENE	5	U
67-66-3	CHLOROFORM	5	U
107-06-2	1,2-DICHLOROETHANE	5	U
78-93-3	2-BUTANONE	10	U
71-55-6	1,1,1-TRICHLOROETHANE	5	U
56-23-5	CARBON TETRACHLORIDE	5	U
108-05-4	VINYL ACETATE	10	U
75-27-4	BROMODICHLOROMETHANE	5	U
78-87-5	1,2-DICHLOROPROPANE	5	U
10061-01-5	CIS-1,3-DICHLOROPROPENE	5	U
10061-02-6	TRANS-1,3-DICHLOROPROPENE	5	U
79-01-6	TRICHLOROETHENE	5	U
124-48-1	DIBROMOCHLOROMETHANE	5	U
79-00-5	1,1,2-TRICHLOROETHANE	5	U
71-43-2	BENZENE	5	U
10061-02-6	TRANS-1,3-DICHLOROPROPENE	5	U
75-25-2	BROMOFORM	5	U
108-10-1	4-METHYL-2-PENTANONE	10	U

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ORGANICS ANALYSIS DATA SHEET

SAMPLE NO

TECSW22

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG6

Matrix: (soil/water) WATER Lab Sample ID: P189214

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: DVP02139201

Level: (low/med) LOW Date Received: 02/08/92

% Moisture: not dec. ____ Date Analyzed: 02/13/92

Column Type: (Pack/Cap/Wide) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
591-78-6	2-HEXANONE	10	U
127-18-4	TETRACHLOROETHENE	5	U
79-34-5	1,1,2,2-TETRACHLOROETHANE	5	U
108-88-3	TOLUENE	5	U
108-90-7	CHLOROBENZENE	5	U
100-41-4	ETHYLBENZENE	5	U
100-42-5	STYRENE	5	U
1330-20-7	XYLENE (TOTAL)	5	U
1684-42-0	ACROLEIN	100	U
107-13-1	ACRYLONITRILE	100	U
75-71-8	DICHLORODIFLUOROMETHANE	5	U
74-88-4	IODOMETHANE	5	U
74-95-3	METHYLENE BROMIDE	5	U
97-63-2	ETHYL METHYLACRYLATE	10	U
96-18-4	1,2,3-TRICHLOROPROPANE	10	U
110-57-6	1,4-DICHLORO-2-BUTENE (TOTAL)	5	U
75-69-4	TRICHLOROFLUOROMETHANE	5	U
107-05-1	ALLYL CHLORIDE	5	U
126-99-8	CHLOROPRENE	0	U
107-12-0	PROPIONITRILE	10	U
126-98-7	METHACRYLONITRILE	5	U
74-88-4	METHYLMETHACRYLATE	10	U
106-93-4	1,2-DIBROMOETHANE	5	U
630-20-6	1,1,1,2-TETRACHLOROETHANE	10	U
76-01-7	PENTACHLOROETHANE	10	U
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	10	U

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ORGANICS ANALYSIS DATA SHEET

SAMPLE NO

TECSW22

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG6

Matrix: (soil/water) WATER Lab Sample ID: P189214

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: DVP02139201

Level: (low/med) LOW Date Received: 02/08/92

% Moisture: not dec. ____ Date Analyzed: 02/13/92

Column Type: (Pack/Cap/Wide) CAP Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
591-78-6	2-HEXANONE	10	U
127-18-4	TETRACHLOROETHENE	5	U
79-34-5	1,1,2,2-TETRACHLOROETHANE	5	U
108-88-3	TOLUENE	5	U
108-90-7	CHLOROBENZENE	5	U
100-41-4	ETHYLBENZENE	5	U
100-42-5	STYRENE	5	U
1330-20-7	XYLENE (TOTAL)	5	U
1634-42-0	ACROLEIN	100	U
107-13-1	ACRYLONITRILE	100	U
75-71-8	DICHLORODIFLUOROMETHANE	5	U
74-88-4	IODOMETHANE	5	U
74-95-3	METHYLENE BROMIDE	5	U
97-63-2	ETHYL METHYLACRYLATE	10	U
96-18-4	1,2,3-TRICHLOROPROPANE	10	U
110-57-6	1,4-DICHLORO-2-BUTENE (TOTAL)	5	U
75-69-4	TRICHLOROFLUOROMETHANE	5	U
107-05-1	ALLYL CHLORIDE	5	U
126-99-8	CHLOROPRENE	0	U
107-12-0	PROPIONITRILE	10	U
126-98-7	METHACRYLONITRILE	5	U
74-88-4	METHYLMETHACRYLATE	10	U
106-93-4	1,2-DIBROMOETHANE	5	U
630-20-6	1,1,1,2-TETRACHLOROETHANE	10	U
76-01-7	PENTACHLOROETHANE	10	U
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	10	U

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ORGANICS ANALYSIS DATA SHEET

SAMPLE NO

TECSW24W0002

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG6

Matrix: (soil/water) WATER Lab Sample ID: F189224

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: DVP021T9205

Level: (low/med) LOW Date Received: 02/08/92

% Moisture: not dec. ____ Date Analyzed: 02/13/92

Column Type: (Pack/Cap/Wide) CAP Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
74-87-3	CHLOROMETHANE	10	U
74-83-9	BROMOMETHANE	10	U
75-01-4	VINYL CHLORIDE	10	U
75-00-3	CHLOROETHANE	10	U
75-09-2	METHYLENE CHLORIDE	5	U
67-64-1	ACETONE	10	U
75-15-0	CARBON DISULFIDE	5	U
75-35-4	1,1-DICHLOROETHENE	5	U
75-34-3	1,1-DICHLOROETHANE	5	U
156-60-5	TRANS-1,2-DICHLOROETHENE	5	U
67-66-3	CHLOROFORM	5	U
107-06-2	1,2-DICHLOROETHANE	5	U
78-93-3	2-BUTANONE	10	U
71-55-6	1,1,1-TRICHLOROETHANE	5	U
56-23-5	CARBON TETRACHLORIDE	5	U
108-05-4	VINYL ACETATE	10	U
75-27-4	BROMODICHLOROMETHANE	5	U
78-87-5	1,2-DICHLOROPROPANE	5	U
10061-01-5	CIS-1,3-DICHLOROPROPENE	5	U
10061-02-6	TRANS-1,3-DICHLOROPROPENE	5	U
79-01-6	TRICHLOROETHENE	5	U
124-48-1	DIBROMOCHLOROMETHANE	5	U
79-00-5	1,1,2-TRICHLOROETHANE	5	U
71-43-2	BENZENE	5	U
10061-02-6	TRANS-1,3-DICHLOROPROPENE	5	U
75-25-2	BROMOFORM	5	U
108-10-1	4-METHYL-2-PENTANONE	10	U

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ORGANICS ANALYSIS DATA SHEET

SAMPLE NO

TECSW24W0002

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG6

Matrix: (soil/water) WATER Lab Sample ID: P189224

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: DVP02139205

Level: (low/med) LOW Date Received: 02/08/92

% Moisture: not dec. ____ Date Analyzed: 02/13/92

Column Type: (Pack/Cap/Wide) CAP Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
74-87-3	CHLOROMETHANE	10	U
74-83-9	BROMOMETHANE	10	U
75-01-4	VINYL CHLORIDE	10	U
75-00-3	CHLOROETHANE	10	U
75-09-2	METHYLENE CHLORIDE	5	U
67-64-1	ACETONE	10	U
75-15-0	CARBON DISULFIDE	5	U
75-35-4	1,1-DICHLOROETHENE	5	U
75-34-3	1,1-DICHLOROETHANE	5	U
156-60-5	TRANS-1,2-DICHLOROETHENE	5	U
67-66-3	CHLOROFORM	5	U
107-06-2	1,2-DICHLOROETHANE	5	U
78-93-3	2-BUTANONE	10	U
71-55-6	1,1,1-TRICHLOROETHANE	5	U
56-23-5	CARBON TETRACHLORIDE	5	U
108-05-4	VINYL ACETATE	10	U
75-27-4	BROMODICHLOROMETHANE	5	U
78-87-5	1,2-DICHLOROPROPANE	5	U
10061-01-5	CIS-1,3-DICHLOROPROPENE	5	U
10061-02-6	TRANS-1,3-DICHLOROPROPENE	5	U
79-01-6	TRICHLOROETHENE	5	U
124-48-1	DIBROMOCHLOROMETHANE	5	U
79-00-5	1,1,2-TRICHLOROETHANE	5	U
71-43-2	BENZENE	5	U
10061-02-6	TRANS-1,3-DICHLOROPROPENE	5	U
75-25-2	BROMOFORM	5	U
108-10-1	4-METHYL-2-PENTANONE	10	U

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ORGANICS ANALYSIS DATA SHEET

SAMPLE NO

TECSW24

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG6

Matrix: (soil/water) WATER Lab Sample ID: P189224

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: DVP02139205

Level: (low/med) LOW Date Received: 02/08/92

% Moisture: not dec. _____ Date Analyzed: 02/13/92

Column Type: (Pack/Cap/Wide) CAP Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
591-78-6	2-HEXANONE	10	U
127-18-4	TETRACHLOROETHENE	5	U
79-34-5	1,1,2,2-TETRACHLOROETHANE	5	U
108-88-3	TOLUENE	5	U
108-90-7	CHLOROBENZENE	5	U
100-41-4	ETHYLBENZENE	5	U
100-42-5	STYRENE	5	U
1330-20-7	XYLENE (TOTAL)	5	U
1684-42-0	ACROLEIN	100	U
107-13-1	ACRYLONITRILE	100	U
75-71-8	DICHLORODIFLUOROMETHANE	5	U
74-88-4	IODOMETHANE	5	U
74-95-3	METHYLENE BROMIDE	5	U
97-63-2	ETHYL METHYLACRYLATE	10	U
96-18-4	1,2,3-TRICHLOROPROPANE	10	U
110-57-6	1,4-DICHLORO-2-BUTENE (TOTAL)	5	U
75-69-4	TRICHLOROFLUOROMETHANE	5	U
107-05-1	ALLYL CHLORIDE	5	U
126-99-8	CHLOROPRENE	0	U
107-12-0	PROPIONITRILE	10	U
126-98-7	METHACRYLONITRILE	5	U
74-88-4	METHYLMETHACRYLATE	10	U
106-93-4	1,2-DIBROMOETHANE	5	U
630-20-6	1,1,1,2-TETRACHLOROETHANE	10	U
76-01-7	PENTACHLOROETHANE	10	U
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	10	U

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ORGANICS ANALYSIS DATA SHEET

SAMPLE NO

TECSW24

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG6

Matrix: (soil/water) WATER Lab Sample ID: P189224

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: DVP02139205

Level: (low/med) LOW Date Received: 02/08/92

% Moisture: not dec. ____ Date Analyzed: 02/13/92

Column Type: (Pack/Cap/Wide) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
591-78-6	2-HEXANONE	10	U
127-18-4	TETRACHLOROETHENE	5	U
79-34-5	1,1,2,2-TETRACHLOROETHANE	5	U
108-88-3	TOLUENE	5	U
108-90-7	CHLOROBENZENE	5	U
100-41-4	ETHYLBENZENE	5	U
100-42-5	STYRENE	5	U
1330-20-7	XYLENE (TOTAL)	5	U
1684-42-0	ACROLEIN	100	U
107-13-1	ACRYLONITRILE	100	U
75-71-8	DICHLORODIFLUOROMETHANE	5	U
74-88-4	IODOMETHANE	5	U
74-95-3	METHYLENE BROMIDE	5	U
97-63-2	ETHYL METHYLACRYLATE	10	U
96-18-4	1,2,3-TRICHLOROPROPANE	10	U
110-57-6	1,4-DICHLORO-2-BUTENE (TOTAL)	5	U
75-69-4	TRICHLOROFLUOROMETHANE	5	U
107-05-1	ALLYL CHLORIDE	5	U
126-99-8	CHLOROPRENE	0	U
107-12-0	PROPIONITRILE	10	U
126-98-7	METHACRYLONITRILE	5	U
74-88-4	METHYLMETHACRYLATE	10	U
106-93-4	1,2-DIBROMOETHANE	5	U
630-20-6	1,1,1,2-TETRACHLOROETHANE	10	U
76-01-7	PENTACHLOROETHANE	10	U
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	10	U

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ORGANICS ANALYSIS DATA SHEET

SAMPLE NO

TCCSWB1W0001

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG6

Matrix: (soil/water) WATER Lab Sample ID: P199227

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: DVP02139207

Level: (low/med) LOW Date Received: 02/08/92

% Moisture: not dec. _____ Date Analyzed: 02/13/92

Column Type: (Pack/Cap/Wide) CAP Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
74-87-3	CHLOROMETHANE	10	U
74-83-9	BROMOMETHANE	10	U
75-01-4	VINYL CHLORIDE	10	U
75-00-3	CHLOROETHANE	10	U
75-09-2	METHYLENE CHLORIDE	5	U
67-64-1	ACETONE	10	U
75-15-0	CARBON DISULFIDE	5	U
75-35-4	1,1-DICHLOROETHENE	5	U
75-34-3	1,1-DICHLOROETHANE	5	U
156-60-5	TRANS-1,2-DICHLOROETHENE	5	U
67-66-3	CHLOROFORM	5	U
107-06-2	1,2-DICHLOROETHANE	5	U
78-93-3	2-BUTANONE	10	U
71-55-6	1,1,1-TRICHLOROETHANE	5	U
56-23-5	CARBON TETRACHLORIDE	5	U
108-05-4	VINYL ACETATE	10	U
75-27-4	BROMODICHLOROMETHANE	5	U
78-87-5	1,2-DICHLOROPROPANE	5	U
10061-01-5	CIS-1,3-DICHLOROPROPENE	5	U
10061-02-6	TRANS-1,3-DICHLOROPROPENE	5	U
79-01-6	TRICHLOROETHENE	5	U
124-48-1	DIBROMOCHLOROMETHANE	5	U
79-00-5	1,1,2-TRICHLOROETHANE	5	U
71-43-2	BENZENE	5	U
10061-02-6	TRANS-1,3-DICHLOROPROPENE	5	U
75-25-2	BROMOFORM	5	U
108-10-1	4-METHYL-2-PENTANONE	10	U

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ORGANICS ANALYSIS DATA SHEET

SAMPLE NO

TCCSWB1W0001

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG6

Matrix: (soil/water) WATER Lab Sample ID: P199227

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: DVP02139207

Level: (low/med) LOW Date Received: 02/08/92

% Moisture: not dec. ____ Date Analyzed: 02/13/92

Column Type: (Pack/Cap/Wide) CAP Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
74-87-3	CHLOROMETHANE	10	U
74-83-9	BROMOMETHANE	10	U
75-01-4	VINYL CHLORIDE	10	U
75-00-3	CHLOROETHANE	10	U
75-09-2	METHYLENE CHLORIDE	5	U
67-64-1	ACETONE	10	U
75-15-0	CARBON DISULFIDE	5	U
75-35-4	1,1-DICHLOROETHENE	5	U
75-34-3	1,1-DICHLOROETHANE	5	U
156-60-5	TRANS-1,2-DICHLOROETHENE	5	U
67-66-3	CHLOROFORM	5	U
107-06-2	1,2-DICHLOROETHANE	5	U
78-93-3	2-BUTANONE	10	U
71-55-6	1,1,1-TRICHLOROETHANE	5	U
56-23-5	CARBON TETRACHLORIDE	5	U
108-05-4	VINYL ACETATE	10	U
75-27-4	BROMODICHLOROMETHANE	5	U
78-87-5	1,2-DICHLOROPROPANE	5	U
10061-01-5	CIS-1,3-DICHLOROPROPENE	5	U
10061-02-6	TRANS-1,3-DICHLOROPROPENE	5	U
79-01-6	TRICHLOROETHENE	5	U
124-48-1	DIBROMOCHLOROMETHANE	5	U
79-00-5	1,1,2-TRICHLOROETHANE	5	U
71-43-2	BENZENE	5	U
10061-02-6	TRANS-1,3-DICHLOROPROPENE	5	U
75-25-2	BROMOFORM	5	U
108-10-1	4-METHYL-2-PENTANONE	10	U

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ORGANICS ANALYSIS DATA SHEET

SAMPLE NO

TCCSWB1

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG6

Matrix: (soil/water) WATER Lab Sample ID: P189227

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: DVP02139207

Level: (low/med) LOW Date Received: 02/08/92

% Moisture: not dec. ____ Date Analyzed: 02/13/92

Column Type: (Pack/Cap/Wide) CAP Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
591-78-6	2-HEXANONE	10	U
127-18-4	TETRACHLOROETHENE	5	U
79-34-5	1,1,2,2-TETRACHLOROETHANE	5	U
108-88-3	TOLUENE	5	U
108-90-7	CHLOROBENZENE	5	U
100-41-4	ETHYLBENZENE	5	U
100-42-5	STYRENE	5	U
1330-20-7	XYLENE (TOTAL)	5	U
1634-42-0	ACROLEIN	100	U
107-13-1	ACRYLONITRILE	100	U
75-71-8	DICHLORODIFLUOROMETHANE	5	U -5
74-88-4	IODOMETHANE	5	U
74-95-3	METHYLENE BROMIDE	5	U
97-63-2	ETHYL METHYLACRYLATE	10	U
96-19-4	1,2,3-TRICHLOROPROPANE	10	U
110-57-6	1,4-DICHLORO-2-BUTENE (TOTAL)	5	U
75-69-4	TRICHLOROFLUOROMETHANE	5	U
107-05-1	ALLYL CHLORIDE	5	U
126-99-8	CHLOROPRENE	0	U
107-12-0	PROPIONITRILE	10	U
126-98-7	METHACRYLONITRILE	5	U
74-98-4	METHYLMETHACRYLATE	10	U
106-93-4	1,2-DIBROMOETHANE	5	U
630-20-6	1,1,1,2-TETRACHLOROETHANE	10	U
76-01-7	PENTACHLOROETHANE	10	U
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	10	U

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ORGANICS ANALYSIS DATA SHEET

SAMPLE NO

TCCSWB1

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG6

Matrix: (soil/water) WATER Lab Sample ID: P189227

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: DVP02139207

Level: (low/med) LOW Date Received: 02/08/92

% Moisture: not dec. ____ Date Analyzed: 02/13/92

Column Type: (Pack/Cap/Wide) CAP Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q	
591-78-6	2-HEXANONE	10	U	
127-18-4	TETRACHLOROETHENE	5	U	
79-34-5	1,1,2,2-TETRACHLOROETHANE	5	U	
108-88-3	TOLUENE	5	U	
108-90-7	CHLOROBENZENE	5	U	
100-41-4	ETHYLBENZENE	5	U	
100-42-5	STYRENE	5	U	
1330-20-7	XYLENE (TOTAL)	5	U	
1ε84-42-0	ACROLEIN	100	U	
107-13-1	ACRYLONITRILE	100	U	
75-71-8	DICHLORODIFLUOROMETHANE	5	U	.5
74-88-4	IODOMETHANE	5	U	
74-95-3	METHYLENE BROMIDE	5	U	
97-63-2	ETHYL METHYLACRYLATE	10	U	
96-19-4	1,2,3-TRICHLOROPROPANE	10	U	
110-57-6	1,4-DICHLORO-2-BUTENE (TOTAL)	5	U	
75-69-4	TRICHLOROFLUOROMETHANE	5	U	
107-05-1	ALLYL CHLORIDE	5	U	
126-99-8	CHLOROPRENE	0	U	
107-12-0	PROPIONITRILE	10	U	
126-98-7	METHACRYLONITRILE	5	U	
74-98-4	METHYLMETHACRYLATE	10	U	
106-93-4	1,2-DIBROMOETHANE	5	U	
630-20-6	1,1,1,2-TETRACHLOROETHANE	10	U	
76-01-7	PENTACHLOROETHANE	10	U	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	10	U	

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ORGANICS ANALYSIS DATA SHEET

SAMPLE NO

TCCSWB2W000C2

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PHG6

Matrix: (soil/water) WATER Lab Sample ID: P189222

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: DVP02139204

Level: (low/med) LOW Date Received: 02/09/92

% Moisture: not dec. _____ Date Analyzed: 02/12/92

Column Type: (Pack/Cap/Wide) CAP Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
74-87-3	CHLOROMETHANE	10	U
74-83-9	BROMOMETHANE	10	U
75-01-4	VINYL CHLORIDE	10	U
75-00-3	CHLOROETHANE	10	U
75-09-2	METHYLENE CHLORIDE	5	U
67-64-1	ACETONE	10	U
75-15-0	CARBON DISULFIDE	5	U
75-35-4	1,1-DICHLOROETHENE	5	U
75-34-3	1,1-DICHLOROETHANE	5	U
156-60-5	TRANS-1,2-DICHLOROETHENE	5	U
67-66-3	CHLOROFORM	5	U
107-06-2	1,2-DICHLOROETHANE	5	U
78-93-3	2-BUTANONE	10	U
71-55-6	1,1,1-TRICHLOROETHANE	5	U
56-23-5	CARBON TETRACHLORIDE	5	U
108-05-4	VINYL ACETATE	10	U
75-27-4	BROMODICHLOROMETHANE	5	U
78-87-5	1,2-DICHLOROPROPANE	5	U
10061-01-5	CIS-1,3-DICHLOROPROPENE	5	U
10061-02-6	TRANS-1,3-DICHLOROPROPENE	5	U
79-01-6	TRICHLOROETHENE	5	U
124-48-1	DIBROMOCHLOROMETHANE	5	U
79-00-5	1,1,2-TRICHLOROETHANE	5	U
71-43-2	BENZENE	5	U
10061-02-6	TRANS-1,3-DICHLOROPROPENE	5	U
75-25-2	BROMOFORM	5	U
108-10-1	4-METHYL-2-PENTANONE	10	U

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ORGANICS ANALYSIS DATA SHEET

SAMPLE NO

TCCSWB2W0002

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PMG6

Matrix: (soil/water) WATER Lab Sample ID: P189222

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: DVP02139204

Level: (low/med) LOW Date Received: 02/08/92

% Moisture: not dec. _____ Date Analyzed: 02/13/92

Column Type: (Pack/Cap/Wide) CAP Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
74-87-3	CHLOROMETHANE	10	U
74-83-9	BROMOMETHANE	10	U
75-01-4	VINYL CHLORIDE	10	U
75-00-3	CHLOROETHANE	10	U
75-09-2	METHYLENE CHLORIDE	5	U
67-64-1	ACETONE	10	U
75-15-0	CARBON DISULFIDE	5	U
75-35-4	1,1-DICHLOROETHENE	5	U
75-34-3	1,1-DICHLOROETHANE	5	U
156-60-5	TRANS-1,2-DICHLOROETHENE	5	U
67-66-3	CHLOROFORM	5	U
107-06-2	1,2-DICHLOROETHANE	5	U
78-93-3	2-BUTANONE	10	U
71-55-6	1,1,1-TRICHLOROETHANE	5	U
56-23-5	CARBON TETRACHLORIDE	5	U
108-05-4	VINYL ACETATE	10	U
75-27-4	BROMODICHLOROMETHANE	5	U
78-87-5	1,2-DICHLOROPROPANE	5	U
10061-01-5	CIS-1,3-DICHLOROPROPENE	5	U
10061-02-6	TRANS-1,3-DICHLOROPROPENE	5	U
79-01-6	TRICHLOROETHENE	5	U
124-48-1	DIBROMOCHLOROMETHANE	5	U
79-00-5	1,1,2-TRICHLOROETHANE	5	U
71-43-2	BENZENE	5	U
10061-02-6	TRANS-1,3-DICHLOROPROPENE	5	U
75-25-2	BROMOFORM	5	U
108-10-1	4-METHYL-2-PENTANONE	10	U

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ORGANICS ANALYSIS DATA SHEET

SAMPLE NO

TCCSWB2(

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG6

Matrix: (soil/water) WATER Lab Sample ID: P189222

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: DVP02139204

Level: (low/med) LOW Date Received: 02/08/92

% Moisture: not dec. ____ Date Analyzed: 02/13/92

Column Type: (Pack/Cap/Wide) CAP Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
591-78-6	2-HEXANONE	10	U
127-18-4	TETRACHLOROETHENE	5	U
79-34-5	1,1,2,2-TETRACHLOROETHANE	5	U
108-88-3	TOLUENE	5	U
108-90-7	CHLOROBENZENE	5	U
100-41-4	ETHYLBENZENE	5	U
100-42-5	STYRENE	5	U
1330-20-7	XYLENE (TOTAL)	5	U
1684-42-0	ACROLEIN	100	U
107-13-1	ACRYLONITRILE	100	U
75-71-8	DICHLORODIFLUOROMETHANE	5	U
74-88-4	IODOMETHANE	5	U
74-95-3	METHYLENE BROMIDE	5	U
97-63-2	ETHYL METHYLACRYLATE	10	U
96-18-4	1,2,3-TRICHLOROPROPANE	10	U
110-57-6	1,4-DICHLORO-2-BUTENE (TOTAL)	5	U
75-69-4	TRICHLOROFLUOROMETHANE	5	U
107-05-1	ALLYL CHLORIDE	5	U
126-99-8	CHLOROPRENE	0	U
107-12-0	PROPIONITRILE	10	U
126-98-7	METHACRYLONITRILE	5	U
74-89-4	METHYLMETHACRYLATE	10	U
106-93-4	1,2-DIBROMOETHANE	5	U
630-20-6	1,1,1,2-TETRACHLOROETHANE	10	U
76-01-7	PENTACHLOROETHANE	10	U
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	10	U

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ORGANICS ANALYSIS DATA SHEET

SAMPLE NO

TCCSWB2(

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG6

Matrix: (soil/water) WATER Lab Sample ID: P189222

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: DVP02139204

Level: (low/med) LOW Date Received: 02/08/92

% Moisture: not dec. _____ Date Analyzed: 02/13/92

Column Type: (Pack/Cap/Wide) CAP Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
591-78-6	2-HEXANONE	10	U
127-18-4	TETRACHLOROETHENE	5	U
79-34-5	1,1,2,2-TETRACHLOROETHANE	5	U
108-88-3	TOLUENE	5	U
108-90-7	CHLOROBENZENE	5	U
100-41-4	ETHYLBENZENE	5	U
100-42-5	STYRENE	5	U
1330-20-7	XYLENE (TOTAL)	5	U
1684-42-0	ACROLEIN	100	U
107-13-1	ACRYLONITRILE	100	U
75-71-8	DICHLORODIFLUOROMETHANE	5	U
74-88-4	IODOMETHANE	5	U
74-95-3	METHYLENE BROMIDE	5	U
97-63-2	ETHYL METHYLACRYLATE	10	U
96-18-4	1,2,3-TRICHLOROPROPANE	10	U
110-57-6	1,4-DICHLORO-2-BUTENE (TOTAL)	5	U
75-69-4	TRICHLOROFLUOROMETHANE	5	U
107-05-1	ALLYL CHLORIDE	5	U
126-99-8	CHLOROPRENE	0	U
107-12-0	PROPIONITRILE	10	U
126-98-7	METHACRYLONITRILE	5	U
74-89-4	METHYLMETHACRYLATE	10	U
106-93-4	1,2-DIBROMOETHANE	5	U
630-20-6	1,1,1,2-TETRACHLOROETHANE	10	U
76-01-7	PENTACHLOROETHANE	10	U
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	10	U

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FORM I VOA 1 10/88 Rev.

E-19

PESTICIDES / POLYCHLORINATED BIPHENYLS AND RADIOACTIVITY IN SURFACE WATER - FEBRUARY 1992

E-19

PESTICIDES / POLYCHLORINATED BIPHENYLS AND RADIOACTIVITY IN SURFACE WATER - FEBRUARY 1992

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1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TKCSW01W0002

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS Case No.: TNK SAS No.: _____ SDG No.: PKG6

Matrix: (soil/water) WATER Lab Sample ID: P188953

Sample wt/vol: 500.0 (g/mL) ML Lab File ID: _____

Level: (low/med) LOW Date Received: 02/04/92

% Moisture: not dec. __ dec. __ Date Extracted: 02/07/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 02/17/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.00

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
319-84-6	ALPHA-BHC	0.050	U
319-85-7	BETA-BHC	0.050	U
319-86-8	DELTA-BHC	0.050	U
58-89-9	LINDANE	0.050	U
76-44-8	HEPTACHLOR	0.050	U
309-00-2	ALDRIN	0.050	U
1024-57-3	HEPTACHLOR EPOXIDE	0.050	U
959-98-8	ENDOSULFAN I	0.050	U
60-57-1	DIELDRIN	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	ENDRIN	0.10	U
33213-65-9	ENDOSULFAN II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	ENDOSULFAN SULFATE	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	METHOXYCHLOR	0.50	U
53494-70-5	ENDRIN KETONE	0.10	U
5103-71-9	ALPHA-CHLORDANE	0.50	U
5103-74-2	GAMMA-CHLORDANE	0.50	U
8001-35-2	TOXAPHENE	1.0	U
12674-11-2	AROCLOR-1016	0.50	U
11104-28-2	AROCLOR-1221	0.50	U
11141-16-5	AROCLOR-1232	0.50	U
53469-21-9	AROCLOR-1242	0.50	U
12672-29-6	AROCLOR-1248	0.50	U
11097-69-1	AROCLOR-1254	1.0	U
11096-82-5	AROCLOR-1260	1.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TKCSW01W0002

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS Case No.: TNK SAS No.: _____ SDG No.: PKG6

Matrix: (soil/water) WATER Lab Sample ID: P188953

Sample wt/vol: 500.0 (g/mL) ML Lab File ID: _____

Level: (low/med) LOW Date Received: 02/04/92

% Moisture: not dec. __ dec. __ Date Extracted: 02/07/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 02/17/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.00

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
319-84-6	ALPHA-BHC	0.050	U
319-85-7	BETA-BHC	0.050	U
319-86-8	DELTA-BHC	0.050	U
58-89-9	LINDANE	0.050	U
76-44-8	HEPTACHLOR	0.050	U
309-00-2	ALDRIN	0.050	U
1024-57-3	HEPTACHLOR EPOXIDE	0.050	U
959-98-8	ENDOSULFAN I	0.050	U
60-57-1	DIELDRIN	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	ENDRIN	0.10	U
33213-65-9	ENDOSULFAN II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	ENDOSULFAN SULFATE	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	METHOXYCHLOR	0.50	U
53494-70-5	ENDRIN KETONE	0.10	U
5103-71-9	ALPHA-CHLORDANE	0.50	U
5103-74-2	GAMMA-CHLORDANE	0.50	U
8001-35-2	TOXAPHENE	1.0	U
12674-11-2	AROCLOR-1016	0.50	U
11104-28-2	AROCLOR-1221	0.50	U
11141-16-5	AROCLOR-1232	0.50	U
53469-21-9	AROCLOR-1242	0.50	U
12672-29-6	AROCLOR-1248	0.50	U
11097-69-1	AROCLOR-1254	1.0	U
11096-82-5	AROCLOR-1260	1.0	U

Modified 1D
ORGANOPHOSPHORUS PESTICIDES DATA SHEET

EPA SAMPLE NO.

TKC-SW01-W-0002

ab Name: RESOURCE ANALYSTS,INC. Contract:HALLIBURTON NUS

ab Code: Case No.: TINKERAFB SAS No.: SDG No.: 3K92

atrix: (soil/water) WATER Lab Sample ID: 30015-003

ample wt/vol: 1000. (g/mL)ML Lab File ID: G9R09556

evel: (low/med) LOW Date Received: 02/07/92

Moisture: not dec. dec. Date Extracted: 02/10/92

traction: (SepF/Cont/Sonc) SEPF Date Analyzed: 02/18/92

Dilution Factor: 1.0000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
2921-88-2	CHLORPYRIFOS (DURSBAN)	2.0	U
8065-48-3	DEMETON	0.5	U
86-50-0	AZINPHOS METHYL (GUTHION)	0.5	U
121-75-5	MALATHION	0.3	U
56-38-2	PARATHION	0.3	U

EPA METHOD 8140, SW-846, 3rd Edition

FORM I PEST

Modified 1D
ORGANOPHOSPHORUS PESTICIDES DATA SHEET

EPA SAMPLE NO.

TKC-SW01-W-0002

ab Name: RESOURCE ANALYSTS,INC. Contract:HALLIBURTON NUS

ab Code: Case No.: TINKERAFB SAS No.: SDG No.: 3K92

atrix: (soil/water) WATER Lab Sample ID: 30015-003

ample wt/vol: 1000. (g/mL)ML Lab File ID: G9R09556

evel: (low/med) LOW Date Received: 02/07/92

Moisture: not dec. dec. Date Extracted: 02/10/92

traction: (SepF/Cont/Sonc) SEPF Date Analyzed: 02/18/92

Dilution Factor: 1.0000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
2921-88-2	CHLORPYRIFOS (DURSBAN)	2.0	U
8065-48-3	DEMETON	0.5	U
86-50-0	AZINPHOS METHYL (GUTHION)	0.5	U
121-75-5	MALATHION	0.3	U
56-38-2	PARATHION	0.3	U

EPA METHOD 8140, SW-846, 3rd Edition

FORM I PEST

Modified 1D
ORGANOPHOSPHORUS PESTICIDES DATA SHEET

EPA SAMPLE NO.

TKC-SW01-W-0002

Lab Name: RESOURCE ANALYSTS,INC. Contract:HALLIBURTON NUS

Lab Code: Case No.: TINKERAFB SAS No.: SDG No.: 3K92

Matrix: (soil/water) WATER Lab Sample ID: 30015-003

Sample wt/vol: 1000. (g/mL)ML Lab File ID: G15R04539

Level: (low/med) LOW Date Received: 02/07/92

% Moisture: not dec. dec. Date Extracted: 02/10/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 02/21/92

Dilution Factor: 1.0000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
2385-85-5	MIREX	0.5	U

EPA METHOD 8080, SW-846, 3rd Edition

FORM I PEST

Modified 1D
ORGANOPHOSPHORUS PESTICIDES DATA SHEET

EPA SAMPLE NO.

TKC-SW01-W-0002

Lab Name: RESOURCE ANALYSTS,INC. Contract:HALLIBURTON NUS

Lab Code: Case No.: TINKERAFB SAS No.: SDG No.: 3K92

Matrix: (soil/water) WATER Lab Sample ID: 30015-003

Sample wt/vol: 1000. (g/mL)ML Lab File ID: G15R04539

Level: (low/med) LOW Date Received: 02/07/92

% Moisture: not dec. dec. Date Extracted: 02/10/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 02/21/92

Dilution Factor: 1.0000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
2385-85-5	MIREX	0.5	U

EPA METHOD 8080, SW-846, 3rd Edition

FORM I PEST

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TKCSW01C0(

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS Case No.: TNK SAS No.: _____ SDG No.: PKG6

Matrix: (soil/water) WATER Lab Sample ID: P188954

Sample wt/vol: 500.0 (g/mL) ML Lab File ID: _____

Level: (low/med) LOW Date Received: 02/04/92

% Moisture: not dec. __ dec. __ Date Extracted: 02/07/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 02/17/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	ALPHA-BHC	0.050	U
319-85-7	BETA-BHC	0.050	U
319-86-8	DELTA-BHC	0.050	U
58-89-9	LINDANE	0.050	U
76-44-8	HEPTACHLOR	0.050	U
309-00-2	ALDRIN	0.050	U
1024-57-3	HEPTACHLOR EPOXIDE	0.050	U
959-98-8	ENDOSULFAN I	0.050	U
60-57-1	DIELDRIN	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	ENDRIN	0.10	U
33213-65-9	ENDOSULFAN II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	ENDOSULFAN SULFATE	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	METHOXYCHLOR	0.50	U
53494-70-5	ENDRIN KETONE	0.10	U
5103-71-9	ALPHA-CHLORDANE	0.50	U
5103-74-2	GAMMA-CHLORDANE	0.50	U
8001-35-2	TOXAPHENE	1.0	U
12674-11-2	AROCLOR-1016	0.50	U
11104-28-2	AROCLOR-1221	0.50	U
11141-16-5	AROCLOR-1232	0.50	U
53469-21-9	AROCLOR-1242	0.50	U
12672-29-6	AROCLOR-1248	0.50	U
11097-69-1	AROCLOR-1254	1.0	U
11096-82-5	AROCLOR-1260	1.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TKCSW01C0(

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS Case No.: TNK SAS No.: _____ SDG No.: PKG6

Matrix: (soil/water) WATER Lab Sample ID: P188954

Sample wt/vol: 500.0 (g/mL) ML Lab File ID: _____

Level: (low/med) LOW Date Received: 02/04/92

% Moisture: not dec. __ dec. __ Date Extracted: 02/07/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 02/17/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	ALPHA-BHC	0.050	U
319-85-7	BETA-BHC	0.050	U
319-86-8	DELTA-BHC	0.050	U
58-89-9	LINDANE	0.050	U
76-44-8	HEPTACHLOR	0.050	U
309-00-2	ALDRIN	0.050	U
1024-57-3	HEPTACHLOR EPOXIDE	0.050	U
959-98-8	ENDOSULFAN I	0.050	U
60-57-1	DIELDRIN	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	ENDRIN	0.10	U
33213-65-9	ENDOSULFAN II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	ENDOSULFAN SULFATE	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	METHOXYCHLOR	0.50	U
53494-70-5	ENDRIN KETONE	0.10	U
5103-71-9	ALPHA-CHLORDANE	0.50	U
5103-74-2	GAMMA-CHLORDANE	0.50	U
8001-35-2	TOXAPHENE	1.0	U
12674-11-2	AROCLOR-1016	0.50	U
11104-28-2	AROCLOR-1221	0.50	U
11141-16-5	AROCLOR-1232	0.50	U
53469-21-9	AROCLOR-1242	0.50	U
12672-29-6	AROCLOR-1248	0.50	U
11097-69-1	AROCLOR-1254	1.0	U
11096-82-5	AROCLOR-1260	1.0	U

Modified 1D
ORGANOPHOSPHORUS PESTICIDES DATA SHEET

EPA SAMPLE NO.

TKC-SW01-C-0002

ame: RESOURCE ANALYSTS,INC. Contract:HALLIBURTON NUS

ode: Case No.: TINKERAFB SAS No.: SDG No.: 3K92

rix: (soil/water) WATER Lab Sample ID: 30015-004

ple wt/vol: 1000. (g/mL)ML Lab File ID: G9R09557

el: (low/med) LOW Date Received: 02/07/92

oisture: not dec. dec. Date Extracted: 02/10/92

raction: (SepF/Cont/Sonc) SEPF Date Analyzed: 02/18/92

Dilution Factor: 1.0000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
2921-88-2	CHLORPYRIFOS (DURSBAN)	2.0	U
8065-48-3	DEMETON	0.5	U
86-50-0	AZINPHOS METHYL (GUTHION)	0.5	U
121-75-5	MALATHION	0.3	U
56-38-2	PARATHION	0.3	U

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FORM I PEST

Modified 1D
ORGANOPHOSPHORUS PESTICIDES DATA SHEET

EPA SAMPLE NO.

TKC-SW01-C-0002

ame: RESOURCE ANALYSTS,INC. Contract:HALLIBURTON NUS

ode: Case No.: TINKERAFB SAS No.: SDG No.: 3K92

rix: (soil/water) WATER Lab Sample ID: 30015-004

ple wt/vol: 1000. (g/mL)ML Lab File ID: G9R09557

el: (low/med) LOW Date Received: 02/07/92

oisture: not dec. dec. Date Extracted: 02/10/92

raction: (SepF/Cont/Sonc) SEPF Date Analyzed: 02/18/92

Dilution Factor: 1.0000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
2921-88-2	CHLORPYRIFOS (DURSBAN)	2.0	U
8065-48-3	DEMETON	0.5	U
86-50-0	AZINPHOS METHYL (GUTHION)	0.5	U
121-75-5	MALATHION	0.3	U
56-38-2	PARATHION	0.3	U

EPA METHOD 8140, SW-846, 3rd Edition

FORM I PEST

Modified 1D
ORGANOPHOSPHORUS PESTICIDES DATA SHEET

EPA SAMPLE NO.

TKC-SW01-C-0002

ɔ Name: RESOURCE ANALYSTS,INC. Contract:HALLIBURTON NUS

ɔ Code: Case No.: TINKERAFB SAS No.: SDG No.: 3K92

:rix: (soil/water) WATER Lab Sample ID: 30015-004

:ple wt/vol: 1000. (g/mL)ML Lab File ID: G15R04540

·el: (low/med) LOW Date Received: 02/07/92

:oisture: not dec. dec. Date Extracted: 02/10/92

raction: (SepF/Cont/Sonc) SEPF Date Analyzed: 02/21/92

Dilution Factor: 1.0000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
2385-85-5	MIREX	0.5	U

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FORM I PEST

Modified 1D
ORGANOPHOSPHORUS PESTICIDES DATA SHEET

EPA SAMPLE NO.

TKC-SW01-C-0002

ɔ Name: RESOURCE ANALYSTS,INC. Contract:HALLIBURTON NUS

ɔ Code: Case No.: TINKERAFB SAS No.: SDG No.: 3K92

:rix: (soil/water) WATER Lab Sample ID: 30015-004

:ple wt/vol: 1000. (g/mL)ML Lab File ID: G15R04540

·el: (low/med) LOW Date Received: 02/07/92

:oisture: not dec. dec. Date Extracted: 02/10/92

raction: (SepF/Cont/Sonc) SEPF Date Analyzed: 02/21/92

Dilution Factor: 1.0000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
2385-85-5	MIREX	0.5	U

EPA METHOD 8080, SW-846, 3rd Edition

FORM I PEST

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TCCSW06W0002

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS Case No.: TNK SAS No.: _____ SDG No.: PKG6

Matrix: (soil/water) WATER Lab Sample ID: P189026

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

Level: (low/med) LOW Date Received: 02/05/92

% Moisture: not dec. __ dec. __ Date Extracted: 02/10/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 02/18/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	ALPHA-BHC	0.050	U
319-85-7	BETA-BHC	0.050	U
319-86-8	DELTA-BHC	0.050	U
58-89-9	LINDANE	0.050	U
76-44-8	HEPTACHLOR	0.050	U
309-00-2	ALDRIN	0.050	U
1024-57-3	HEPTACHLOR EPOXIDE	0.050	U
959-98-8	ENDOSULFAN I	0.050	U
60-57-1	DIELDRIN	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	ENDRIN	0.10	U
33213-65-9	ENDOSULFAN II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	ENDOSULFAN SULFATE	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	METHOXYCHLOR	0.50	U
53494-70-5	ENDRIN KETONE	0.10	U
5103-71-9	ALPHA-CHLORDANE	0.50	U
5103-74-2	GAMMA-CHLORDANE	0.50	U
8001-35-2	TOXAPHENE	1.0	U
12674-11-2	AROCLOR-1016	0.50	U
11104-28-2	AROCLOR-1221	0.50	U
11141-16-5	AROCLOR-1232	0.50	U
53469-21-9	AROCLOR-1242	0.50	U
12672-29-6	AROCLOR-1248	0.50	U
11097-69-1	AROCLOR-1254	1.0	U
11096-82-5	AROCLOR-1260	1.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TCCSW06W0002

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS Case No.: TNK SAS No.: _____ SDG No.: PKG6

Matrix: (soil/water) WATER Lab Sample ID: P189026

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

Level: (low/med) LOW Date Received: 02/05/92

% Moisture: not dec. __ dec. __ Date Extracted: 02/10/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 02/18/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	ALPHA-BHC	0.050	U
319-85-7	BETA-BHC	0.050	U
319-86-8	DELTA-BHC	0.050	U
58-89-9	LINDANE	0.050	U
76-44-8	HEPTACHLOR	0.050	U
309-00-2	ALDRIN	0.050	U
1024-57-3	HEPTACHLOR EPOXIDE	0.050	U
959-98-8	ENDOSULFAN I	0.050	U
60-57-1	DIELDRIN	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	ENDRIN	0.10	U
33213-65-9	ENDOSULFAN II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	ENDOSULFAN SULFATE	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	METHOXYCHLOR	0.50	U
53494-70-5	ENDRIN KETONE	0.10	U
5103-71-9	ALPHA-CHLORDANE	0.50	U
5103-74-2	GAMMA-CHLORDANE	0.50	U
8001-35-2	TOXAPHENE	1.0	U
12674-11-2	AROCLOR-1016	0.50	U
11104-28-2	AROCLOR-1221	0.50	U
11141-16-5	AROCLOR-1232	0.50	U
53469-21-9	AROCLOR-1242	0.50	U
12672-29-6	AROCLOR-1248	0.50	U
11097-69-1	AROCLOR-1254	1.0	U
11096-82-5	AROCLOR-1260	1.0	U

Modified 1D
ORGANOPHOSPHORUS PESTICIDES DATA SHEET

EPA SAMPLE NO.

TCC-SW06-W-0002

Name: RESOURCE ANALYSTS,INC. Contract:HALLIBURTON NUS

Code: Case No.: TINKERAFB SAS No.: SDG No.: 3K92

ix: (soil/water) WATER Lab Sample ID: 30015-002

le wt/vol: 1000. (g/mL)ML Lab File ID: G9R09555

l: (low/med) LOW Date Received: 02/07/92

isture: not dec. dec. Date Extracted: 02/10/92

action: (SepF/Cont/Sonc) SEPF Date Analyzed: 02/18/92

Dilution Factor: 1.0000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
2921-88-2	CHLORPYRIFOS (DURSBAN)	2.0	U
8065-48-3	DEMETON	0.5	U
86-50-0	AZINPHOS METHYL (GUTHION)	0.5	U
121-75-5	MALATHION	0.3	U
56-38-2	PARATHION	0.3	U

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Modified 1D
ORGANOPHOSPHORUS PESTICIDES DATA SHEET

EPA SAMPLE NO.

TCC-SW06-W-0002

Name: RESOURCE ANALYSTS,INC. Contract:HALLIBURTON NUS

Code: Case No.: TINKERAFB SAS No.: SDG No.: 3K92

ix: (soil/water) WATER Lab Sample ID: 30015-002

le wt/vol: 1000. (g/mL)ML Lab File ID: G9R09555

l: (low/med) LOW Date Received: 02/07/92

isture: not dec. dec. Date Extracted: 02/10/92

action: (SepF/Cont/Sonc) SEPF Date Analyzed: 02/18/92

Dilution Factor: 1.0000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
2921-88-2	CHLORPYRIFOS (DURSBAN)	2.0	U
8065-48-3	DEMETON	0.5	U
86-50-0	AZINPHOS METHYL (GUTHION)	0.5	U
121-75-5	MALATHION	0.3	U
56-38-2	PARATHION	0.3	U

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FORM I PEST

Modified 1D
ORGANOPHOSPHORUS PESTICIDES DATA SHEET

EPA SAMPLE NO.

TCC-SW06-W-0002

Name: RESOURCE ANALYSTS, INC. Contract: HALLIBURTON NUS

Code: Case No.: TINKERAFB SAS No.: SDG No.: 3K92

Matrix: (soil/water) WATER Lab Sample ID: 30015-002

Sample wt/vol: 1000. (g/mL) ML Lab File ID: G15R04538

Level: (low/med) LOW Date Received: 02/07/92

Moisture: not dec. dec. Date Extracted: 02/10/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 02/21/92

Dilution Factor: 1.0000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
2385-85-5	MIREX	0.5	U

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FORM I PEST

Modified 1D
ORGANOPHOSPHORUS PESTICIDES DATA SHEET

EPA SAMPLE NO.

TCC-SW06-W-0002

Name: RESOURCE ANALYSTS,INC. Contract:HALLIBURTON NUS

Code: Case No.: TINKERAFB SAS No.: SDG No.: 3K92

Matrix: (soil/water) WATER Lab Sample ID: 30015-002

Sample wt/vol: 1000. (g/mL)ML Lab File ID: G15R04538

Level: (low/med) LOW Date Received: 02/07/92

Moisture: not dec. dec. Date Extracted: 02/10/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 02/21/92

Dilution Factor: 1.0000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
2385-85-5	MIREX	0.5	U

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FORM I PEST

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TCCSW15W0(

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS Case No.: TNK SAS No.: _____ SDG No.: PKG6

Matrix: (soil/water) WATER Lab Sample ID: P189029

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

Level: (low/med) LOW Date Received: 02/05/92

% Moisture: not dec. __ dec. __ Date Extracted: 02/10/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 02/18/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	ALPHA-BHC	0.050	U
319-85-7	BETA-BHC	0.050	U
319-86-8	DELTA-BHC	0.050	U
58-89-9	LINDANE	0.050	U
76-44-8	HEPTACHLOR	0.050	U
309-00-2	ALDRIN	0.050	U
1024-57-3	HEPTACHLOR EPOXIDE	0.050	U
959-98-8	ENDOSULFAN I	0.050	U
60-57-1	DIELDRIN	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	ENDRIN	0.10	U
33213-65-9	ENDOSULFAN II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	ENDOSULFAN SULFATE	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	METHOXYCHLOR	0.50	U
53494-70-5	ENDRIN KETONE	0.10	U
5103-71-9	ALPHA-CHLORDANE	0.50	U
5103-74-2	GAMMA-CHLORDANE	0.50	U
8001-35-2	TOXAPHENE	1.0	U
12674-11-2	AROCLOR-1016	0.50	U
11104-28-2	AROCLOR-1221	0.50	U
11141-16-5	AROCLOR-1232	0.50	U
53469-21-9	AROCLOR-1242	0.50	U
12672-29-6	AROCLOR-1248	0.50	U
11097-69-1	AROCLOR-1254	1.0	U
11096-82-5	AROCLOR-1260	1.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TCCSW15W0(

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS Case No.: TNK SAS No.: _____ SDG No.: PKG6

Matrix: (soil/water) WATER Lab Sample ID: P189029

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

Level: (low/med) LOW Date Received: 02/05/92

% Moisture: not dec. __ dec. __ Date Extracted: 02/10/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 02/18/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	ALPHA-BHC	0.050	U
319-85-7	BETA-BHC	0.050	U
319-86-8	DELTA-BHC	0.050	U
58-89-9	LINDANE	0.050	U
76-44-8	HEPTACHLOR	0.050	U
309-00-2	ALDRIN	0.050	U
1024-57-3	HEPTACHLOR EPOXIDE	0.050	U
959-98-8	ENDOSULFAN I	0.050	U
60-57-1	DIELDRIN	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	ENDRIN	0.10	U
33213-65-9	ENDOSULFAN II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	ENDOSULFAN SULFATE	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	METHOXYCHLOR	0.50	U
53494-70-5	ENDRIN KETONE	0.10	U
5103-71-9	ALPHA-CHLORDANE	0.50	U
5103-74-2	GAMMA-CHLORDANE	0.50	U
8001-35-2	TOXAPHENE	1.0	U
12674-11-2	AROCLOR-1016	0.50	U
11104-28-2	AROCLOR-1221	0.50	U
11141-16-5	AROCLOR-1232	0.50	U
53469-21-9	AROCLOR-1242	0.50	U
12672-29-6	AROCLOR-1248	0.50	U
11097-69-1	AROCLOR-1254	1.0	U
11096-82-5	AROCLOR-1260	1.0	U

Modified 1D
ORGANOPHOSPHORUS PESTICIDES DATA SHEET

EPA SAMPLE NO.

TCC-SW15-W-0002

Lab Name: RESOURCE ANALYSTS,INC. Contract:HALLIBURTON NUS

Lab Code: Case No.: TINKERAFB SAS No.: SDG No.: 3K92

Matrix: (soil/water) WATER Lab Sample ID: 30015-001

Sample wt/vol: 1000. (g/mL)ML Lab File ID: G9R09554

Level: (low/med) LOW Date Received: 02/07/92

% Moisture: not dec. dec. Date Extracted: 02/10/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 02/18/92

Dilution Factor: 1.0000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
2921-88-2	CHLORPYRIFOS (DURSBAN)	2.0	U
8065-48-3	DEMETON	0.5	U
86-50-0	AZINPHOS METHYL (GUTHION)	0.5	U
121-75-5	MALATHION	0.3	U
56-38-2	PARATHION	0.3	U

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FORM I PEST

Modified 1D
ORGANOPHOSPHORUS PESTICIDES DATA SHEET

EPA SAMPLE NO.

TCC-SW15-W-0002

'ab Name: RESOURCE ANALYSTS,INC. Contract:HALLIBURTON NUS

Lab Code: Case No.: TINKERAFB SAS No.: SDG No.: 3K92

Matrix: (soil/water) WATER Lab Sample ID: 30015-001

Sample wt/vol: 1000. (g/mL)ML Lab File ID: G9R09554

Level: (low/med) LOW Date Received: 02/07/92

% Moisture: not dec. dec. Date Extracted: 02/10/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 02/18/92

Dilution Factor: 1.0000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
2921-88-2	CHLORPYRIFOS (DURSBAN)	2.0	U
8065-48-3	DEMETON	0.5	U
86-50-0	AZINPHOS METHYL (GUTHION)	0.5	U
121-75-5	MALATHION	0.3	U
56-38-2	PARATHION	0.3	U

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FORM I PEST

Modified 1D
ORGANOPHOSPHORUS PESTICIDES DATA SHEET

EPA SAMPLE NO.

TCC-SW15-W-0002

Lab Name: RESOURCE ANALYSTS, INC. Contract: HALLIBURTON NUS

Lab Code: Case No.: TINKERAFB SAS No.: SDG No.: 3K92

Matrix: (soil/water) WATER Lab Sample ID: 30015-001

Sample wt/vol: 1000. (g/mL) ML Lab File ID: G15R04537

Level: (low/med) LOW Date Received: 02/07/92

% Moisture: not dec. dec. Date Extracted: 02/10/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 02/21/92

Dilution Factor: 1.0000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
2385-85-5	MIREX	0.5	U

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FORM I PEST

Modified 1D
ORGANOPHOSPHORUS PESTICIDES DATA SHEET

EPA SAMPLE NO.

TCC-SW15-W-0002

Lab Name: RESOURCE ANALYSTS, INC. Contract: HALLIBURTON NUS

Lab Code: Case No.: TINKERAFB SAS No.: SDG No.: 3K92

Matrix: (soil/water) WATER Lab Sample ID: 30015-001

Sample wt/vol: 1000. (g/mL) ML Lab File ID: G15R04537

Level: (low/med) LOW Date Received: 02/07/92

% Moisture: not dec. dec. Date Extracted: 02/10/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 02/21/92

Dilution Factor: 1.0000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
2385-85-5	MIREX	0.5	U

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FORM I PEST

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TECSW22W0002

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS Case No.: TNK SAS No.: _____ SDG No.: PKG6

Matrix: (soil/water) WATER Lab Sample ID: P189214

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

Level: (low/med) LOW Date Received: 02/08/92

% Moisture: not dec. __ dec. __ Date Extracted: 02/13/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 02/18/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	ALPHA-BHC	0.050	U
319-85-7	BETA-BHC	0.050	U
319-86-8	DELTA-BHC	0.050	U
58-89-9	LINDANE	0.050	U
76-44-8	HEPTACHLOR	0.050	U
309-00-2	ALDRIN	0.050	U
1024-57-3	HEPTACHLOR EPOXIDE	0.050	U
959-98-8	ENDOSULFAN I	0.050	U
60-57-1	DIELDRIN	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	ENDRIN	0.10	U
33213-65-9	ENDOSULFAN II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	ENDOSULFAN SULFATE	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	METHOXYCHLOR	0.50	U
53494-70-5	ENDRIN KETONE	0.10	U
5103-71-9	ALPHA-CHLORDANE	0.50	U
5103-74-2	GAMMA-CHLORDANE	0.50	U
8001-35-2	TOXAPHENE	1.0	U
12674-11-2	AROCLOR-1016	0.50	U
11104-28-2	AROCLOR-1221	0.50	U
11141-16-5	AROCLOR-1232	0.50	U
53469-21-9	AROCLOR-1242	0.50	U
12672-29-6	AROCLOR-1248	0.50	U
11097-69-1	AROCLOR-1254	1.0	U
11096-82-5	AROCLOR-1260	1.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TECSW22W0002

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS Case No.: TNK SAS No.: _____ SDG No.: PKG6

Matrix: (soil/water) WATER Lab Sample ID: P189214

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

Level: (low/med) LOW Date Received: 02/08/92

% Moisture: not dec. __ dec. __ Date Extracted: 02/13/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 02/18/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	ALPHA-BHC	0.050	U
319-85-7	BETA-BHC	0.050	U
319-86-8	DELTA-BHC	0.050	U
58-89-9	LINDANE	0.050	U
76-44-8	HEPTACHLOR	0.050	U
309-00-2	ALDRIN	0.050	U
1024-57-3	HEPTACHLOR EPOXIDE	0.050	U
959-98-8	ENDOSULFAN I	0.050	U
60-57-1	DIELDRIN	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	ENDRIN	0.10	U
33213-65-9	ENDOSULFAN II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	ENDOSULFAN SULFATE	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	METHOXYCHLOR	0.50	U
53494-70-5	ENDRIN KETONE	0.10	U
5103-71-9	ALPHA-CHLORDANE	0.50	U
5103-74-2	GAMMA-CHLORDANE	0.50	U
8001-35-2	TOXAPHENE	1.0	U
12674-11-2	AROCLOR-1016	0.50	U
11104-28-2	AROCLOR-1221	0.50	U
11141-16-5	AROCLOR-1232	0.50	U
53469-21-9	AROCLOR-1242	0.50	U
12672-29-6	AROCLOR-1248	0.50	U
11097-69-1	AROCLOR-1254	1.0	U
11096-82-5	AROCLOR-1260	1.0	U

Modified 1D
ORGANOPHOSPHORUS PESTICIDES DATA SHEET

EPA SAMPLE NO.

TEC-SW22-W-0002

Lab Name: RESOURCE ANALYSTS,INC. Contract:HALLIBURTON NUS

Lab Code: Case No.: TINKERAFB SAS No.: SDG No.: 3K92

Matrix: (soil/water) WATER Lab Sample ID: 30042-001

Sample wt/vol: 1000. (g/mL)ML Lab File ID: G9R09559

Level: (low/med) LOW Date Received: 02/11/92

% Moisture: not dec. dec. Date Extracted: 02/11/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 02/18/92

Dilution Factor: 1.0000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
2921-88-2	CHLORPYRIFOS (DURSBAN)	2.0	U
8065-48-3	DEMETON	0.5	U
86-50-0	AZINPHOS METHYL (GUTHION)	0.5	U
121-75-5	MALATHION	0.3	U
56-38-2	PARATHION	0.3	U

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FORM I PEST

Modified 1D
ORGANOPHOSPHORUS PESTICIDES DATA SHEET

EPA SAMPLE NO.

TEC-SW22-W-0002

Lab Name: RESOURCE ANALYSTS,INC. Contract:HALLIBURTON NUS

Lab Code: Case No.: TINKERAFB SAS No.: SDG No.: 3K92

Matrix: (soil/water) WATER Lab Sample ID: 30042-001

Sample wt/vol: 1000. (g/mL)ML Lab File ID: G9R09559

Level: (low/med) LOW Date Received: 02/11/92

% Moisture: not dec. dec. Date Extracted: 02/11/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 02/18/92

Dilution Factor: 1.0000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
2921-88-2	CHLORPYRIFOS (DURSBAN)	2.0	U
8065-48-3	DEMETON	0.5	U
86-50-0	AZINPHOS METHYL (GUTHION)	0.5	U
121-75-5	MALATHION	0.3	U
56-38-2	PARATHION	0.3	U

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FORM I PEST

Modified 1D
ORGANOPHOSPHORUS PESTICIDES DATA SHEET

EPA SAMPLE NO.

TEC-SW22-W-0002

Lab Name: RESOURCE ANALYSTS,INC. Contract:HALLIBURTON NUS

Lab Code: Case No.: TINKERAFB SAS No.: SDG No.: 3K92

Matrix: (soil/water) WATER Lab Sample ID: 30042-001

Sample wt/vol: 1000. (g/mL)ML Lab File ID: G15R04542

Level: (low/med) LOW Date Received: 02/11/92

% Moisture: not dec. dec. Date Extracted: 02/11/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 02/21/92

Dilution Factor: 1.0000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
2385-85-5	MIREX	0.5	U

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FORM I PEST

Modified 1D
ORGANOPHOSPHORUS PESTICIDES DATA SHEET

EPA SAMPLE NO.

TEC-SW22-W-0002

Name: RESOURCE ANALYSTS,INC. Contract:HALLIBURTON NUS

Lab Code: Case No.: TINKERAFB SAS No.: SDG No.: 3K92

Matrix: (soil/water) WATER Lab Sample ID: 30042-001

Sample wt/vol: 1000. (g/mL)ML Lab File ID: G15R04542

Level: (low/med) LOW Date Received: 02/11/92

% Moisture: not dec. dec. Date Extracted: 02/11/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 02/21/92

Dilution Factor: 1.0000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
2385-85-5	MIREX	0.5	U

EPA METHOD 8080, SW-846, 3rd Edition

FORM I PEST

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TECSW24W0

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS Case No.: TNK SAS No.: _____ SDG No.: PKG6

Matrix: (soil/water) WATER Lab Sample ID: P189224

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

Level: (low/med) LOW Date Received: 02/08/92

% Moisture: not dec. __ dec. __ Date Extracted: 02/13/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 02/18/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	ALPHA-BHC	0.050	U
319-85-7	BETA-BHC	0.050	U
319-86-8	DELTA-BHC	0.050	U
58-89-9	LINDANE	0.050	U
76-44-8	HEPTACHLOR	0.050	U
309-00-2	ALDRIN	0.050	U
1024-57-3	HEPTACHLOR EPOXIDE	0.050	U
959-98-8	ENDOSULFAN I	0.050	U
60-57-1	DIELDRIN	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	ENDRIN	0.10	U
33213-65-9	ENDOSULFAN II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	ENDOSULFAN SULFATE	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	METHOXYCHLOR	0.50	U
53494-70-5	ENDRIN KETONE	0.10	U
5103-71-9	ALPHA-CHLORDANE	0.50	U
5103-74-2	GAMMA-CHLORDANE	0.50	U
8001-35-2	TOXAPHENE	1.0	U
12674-11-2	AROCLOR-1016	0.50	U
11104-28-2	AROCLOR-1221	0.50	U
11141-16-5	AROCLOR-1232	0.50	U
53469-21-9	AROCLOR-1242	0.50	U
12672-29-6	AROCLOR-1248	0.50	U
11097-69-1	AROCLOR-1254	1.0	U
11096-82-5	AROCLOR-1260	1.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TECSW24W0

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS Case No.: TNK SAS No.: _____ SDG No.: PKG6

Matrix: (soil/water) WATER Lab Sample ID: P189224

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

Level: (low/med) LOW Date Received: 02/08/92

% Moisture: not dec. __ dec. __ Date Extracted: 02/13/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 02/18/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	ALPHA-BHC	0.050	U
319-85-7	BETA-BHC	0.050	U
319-86-8	DELTA-BHC	0.050	U
58-89-9	LINDANE	0.050	U
76-44-8	HEPTACHLOR	0.050	U
309-00-2	ALDRIN	0.050	U
1024-57-3	HEPTACHLOR EPOXIDE	0.050	U
959-98-8	ENDOSULFAN I	0.050	U
60-57-1	DIELDRIN	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	ENDRIN	0.10	U
33213-65-9	ENDOSULFAN II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	ENDOSULFAN SULFATE	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	METHOXYCHLOR	0.50	U
53494-70-5	ENDRIN KETONE	0.10	U
5103-71-9	ALPHA-CHLORDANE	0.50	U
5103-74-2	GAMMA-CHLORDANE	0.50	U
8001-35-2	TOXAPHENE	1.0	U
12674-11-2	AROCLOR-1016	0.50	U
11104-28-2	AROCLOR-1221	0.50	U
11141-16-5	AROCLOR-1232	0.50	U
53469-21-9	AROCLOR-1242	0.50	U
12672-29-6	AROCLOR-1248	0.50	U
11097-69-1	AROCLOR-1254	1.0	U
11096-82-5	AROCLOR-1260	1.0	U

Modified 1D
ORGANOPHOSPHORUS PESTICIDES DATA SHEET

EPA SAMPLE NO.

TEC-SW24-W-0002

'ame: RESOURCE ANALYSTS,INC. Contract:HALLIBURTON NUS

ode: Case No.: TINKERAFB SAS No.: SDG No.: 3K92

rix: (soil/water) WATER Lab Sample ID: 30042-003

ple wt/vol: 1000. (g/mL)ML Lab File ID: G9R09572

el: (low/med) LOW Date Received: 02/11/92

oisture: not dec. dec. Date Extracted: 02/11/92

raction: (SepF/Cont/Sonc) SEPF Date Analyzed: 02/18/92

Dilution Factor: 1.0000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
2921-88-2	CHLORPYRIFOS (DURSBAN)	2.0	U
8065-48-3	DEMETON	0.5	U
86-50-0	AZINPHOS METHYL (GUTHION)	0.5	U
121-75-5	MALATHION	0.3	U
56-38-2	PARATHION	0.3	U

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Modified 1D
ORGANOPHOSPHORUS PESTICIDES DATA SHEET

EPA SAMPLE NO.

TEC-SW24-W-0002

'ame: RESOURCE ANALYSTS,INC. Contract:HALLIBURTON NUS

ode: Case No.: TINKERAFB SAS No.: SDG No.: 3K92

rix: (soil/water) WATER Lab Sample ID: 30042-003

ple wt/vol: 1000. (g/mL)ML Lab File ID: G9R09572

el: (low/med) LOW Date Received: 02/11/92

oisture: not dec. dec. Date Extracted: 02/11/92

raction: (SepF/Cont/Sonc) SEPF Date Analyzed: 02/18/92

Dilution Factor: 1.0000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
2921-88-2	CHLORPYRIFOS (DURSBAN)	2.0	U
8065-48-3	DEMETON	0.5	U
86-50-0	AZINPHOS METHYL (GUTHION)	0.5	U
121-75-5	MALATHION	0.3	U
56-38-2	PARATHION	0.3	U

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FORM I PEST

Modified 1D
ORGANOPHOSPHORUS PESTICIDES DATA SHEET

EPA SAMPLE NO.

TEC-SW24-W-0002

Lab Name: RESOURCE ANALYSTS,INC. Contract:HALLIBURTON NUS

Lab Code: Case No.: TINKERAFB SAS No.: SDG No.: 3K92

Matrix: (soil/water) WATER Lab Sample ID: 30042-003

Sample wt/vol: 1000. (g/mL)ML Lab File ID: G15R04547

Level: (low/med) LOW Date Received: 02/11/92

% Moisture: not dec. dec. Date Extracted: 02/11/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 02/21/92

Dilution Factor: 1.0000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
2385-85-5	MIREX	0.5	U

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FORM I PEST

Modified 1D
ORGANOPHOSPHORUS PESTICIDES DATA SHEET

EPA SAMPLE NO.

TEC-SW24-W-0002

Lab Name: RESOURCE ANALYSTS,INC. Contract:HALLIBURTON NUS

Lab Code: Case No.: TINKERAFB SAS No.: SDG No.: 3K92

Matrix: (soil/water) WATER Lab Sample ID: 30042-003

Sample wt/vol: 1000. (g/mL)ML Lab File ID: G15R04547

Level: (low/med) LOW Date Received: 02/11/92

% Moisture: not dec. dec. Date Extracted: 02/11/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 02/21/92

Dilution Factor: 1.0000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
2385-85-5	MIREX	0.5	U

EPA METHOD 8080, SW-846, 3rd Edition

FORM I PEST

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TCCSWB1W0002

Name: NUS-LSG Contract: _____

Lab Code: NUS Case No.: TNK SAS No.: _____ SDG No.: PKG6

Matrix: (soil/water) WATER Lab Sample ID: P189227

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

Level: (low/med) LOW Date Received: 02/08/92

% Moisture: not dec. __ dec. __ Date Extracted: 02/13/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 02/18/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.00

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
319-84-6	ALPHA-BHC	0.050	U
319-85-7	BETA-BHC	0.050	U
319-86-8	DELTA-BHC	0.050	U
58-89-9	LINDANE	0.050	U
76-44-8	HEPTACHLOR	0.050	U
309-00-2	ALDRIN	0.050	U
1024-57-3	HEPTACHLOR EPOXIDE	0.050	U
959-98-8	ENDOSULFAN I	0.050	U
60-57-1	DIELDRIN	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	ENDRIN	0.10	U
33213-65-9	ENDOSULFAN II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	ENDOSULFAN SULFATE	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	METHOXYCHLOR	0.50	U
53494-70-5	ENDRIN KETONE	0.10	U
5103-71-9	ALPHA-CHLORDANE	0.50	U
5103-74-2	GAMMA-CHLORDANE	0.50	U
8001-35-2	TOXAPHENE	1.0	U
12674-11-2	AROCLOR-1016	0.50	U
11104-28-2	AROCLOR-1221	0.50	U
11141-16-5	AROCLOR-1232	0.50	U
53469-21-9	AROCLOR-1242	0.50	U
12672-29-6	AROCLOR-1248	0.50	U
11097-69-1	AROCLOR-1254	1.0	U
11096-82-5	AROCLOR-1260	1.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TCCSWB1W0002

Name: NUS-LSG Contract: _____

Lab Code: NUS Case No.: TNK SAS No.: _____ SDG No.: PKG6

Matrix: (soil/water) WATER Lab Sample ID: P189227

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

Level: (low/med) LOW Date Received: 02/08/92

% Moisture: not dec. __ dec. __ Date Extracted: 02/13/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 02/18/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.00

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
319-84-6	ALPHA-BHC	0.050	U
319-85-7	BETA-BHC	0.050	U
319-86-8	DELTA-BHC	0.050	U
58-89-9	LINDANE	0.050	U
76-44-8	HEPTACHLOR	0.050	U
309-00-2	ALDRIN	0.050	U
1024-57-3	HEPTACHLOR EPOXIDE	0.050	U
959-98-8	ENDOSULFAN I	0.050	U
60-57-1	DIELDRIN	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	ENDRIN	0.10	U
33213-65-9	ENDOSULFAN II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	ENDOSULFAN SULFATE	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	METHOXYCHLOR	0.50	U
53494-70-5	ENDRIN KETONE	0.10	U
5103-71-9	ALPHA-CHLORDANE	0.50	U
5103-74-2	GAMMA-CHLORDANE	0.50	U
8001-35-2	TOXAPHENE	1.0	U
12674-11-2	AROCLOR-1016	0.50	U
11104-28-2	AROCLOR-1221	0.50	U
11141-16-5	AROCLOR-1232	0.50	U
53469-21-9	AROCLOR-1242	0.50	U
12672-29-6	AROCLOR-1248	0.50	U
11097-69-1	AROCLOR-1254	1.0	U
11096-82-5	AROCLOR-1260	1.0	U

Modified 1D
ORGANOPHOSPHORUS PESTICIDES DATA SHEET

EPA SAMPLE NO.

TCC-SWB1-W-0002

Lab Name: RESOURCE ANALYSTS,INC. Contract:HALLIBURTON NUS

Lab Code: Case No.: TINKERAFB SAS No.: SDG No.: 3K92

Matrix: (soil/water) WATER Lab Sample ID: 30042-004

Sample wt/vol: 1000. (g/mL)ML Lab File ID: G9R09573

Level: (low/med) LOW Date Received: 02/11/92

% Moisture: not dec. dec. Date Extracted: 02/11/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 02/18/92

Dilution Factor: 1.0000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
2921-88-2	CHLORPYRIFOS (DURSBAN)	2.0	U
8065-48-3	DEMETON	0.5	U
86-50-0	AZINPHOS METHYL (GUTHION)	0.5	U
121-75-5	MALATHION	0.3	U
56-38-2	PARATHION	0.3	U

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Modified 1D
ORGANOPHOSPHORUS PESTICIDES DATA SHEET

EPA SAMPLE NO.

TCC-SWB1-W-0002

Lab Name: RESOURCE ANALYSTS,INC. Contract:HALLIBURTON NUS

Lab Code: Case No.: TINKERAFB SAS No.: SDG No.: 3K92

Matrix: (soil/water) WATER Lab Sample ID: 30042-004

Sample wt/vol: 1000. (g/mL)ML Lab File ID: G9R09573

Level: (low/med) LOW Date Received: 02/11/92

% Moisture: not dec. dec. Date Extracted: 02/11/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 02/18/92

Dilution Factor: 1.0000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
2921-88-2	CHLORPYRIFOS (DURSBAN)	2.0	U
8065-48-3	DEMETON	0.5	U
86-50-0	AZINPHOS METHYL (GUTHION)	0.5	U
121-75-5	MALATHION	0.3	U
56-38-2	PARATHION	0.3	U

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Modified 1D
ORGANOPHOSPHORUS PESTICIDES DATA SHEET

EPA SAMPLE NO.

TCC-SWB1-W-0002

Lab Name: RESOURCE ANALYSTS,INC. Contract:HALLIBURTON NUS

Lab Code: Case No.: TINKERAFB SAS No.: SDG No.: 3K92

Matrix: (soil/water) WATER Lab Sample ID: 30042-004

Sample wt/vol: 1000. (g/mL)ML Lab File ID: G15R04548

Level: (low/med) LOW Date Received: 02/11/92

% Moisture: not dec. dec. Date Extracted: 02/11/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 02/21/92

Dilution Factor: 1.0000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
2385-85-5	MIREX	0.5	U

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Modified 1D
ORGANOPHOSPHORUS PESTICIDES DATA SHEET

EPA SAMPLE NO.

TCC-SWB1-W-0002

Lab Name: RESOURCE ANALYSTS,INC. Contract:HALLIBURTON NUS

Lab Code: Case No.: TINKERAFB SAS No.: SDG No.: 3K92

Matrix: (soil/water) WATER Lab Sample ID: 30042-004

Sample wt/vol: 1000. (g/mL)ML Lab File ID: G15R04548

Level: (low/med) LOW Date Received: 02/11/92

% Moisture: not dec. dec. Date Extracted: 02/11/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 02/21/92

Dilution Factor: 1.0000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
2385-85-5	MIREX	0.5	U

EPA METHOD 8080, SW-846, 3rd Edition

FORM I PEST

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TCCSWB2W0(

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS Case No.: TNK SAS No.: _____ SDG No.: PKG6

Matrix: (soil/water) WATER Lab Sample ID: P189222

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

Level: (low/med) LOW Date Received: 02/08/92

% Moisture: not dec. __ dec. __ Date Extracted: 02/13/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 02/18/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	ALPHA-BHC	0.050	U
319-85-7	BETA-BHC	0.050	U
319-86-8	DELTA-BHC	0.050	U
58-89-9	LINDANE	0.050	U
76-44-8	HEPTACHLOR	0.050	U
309-00-2	ALDRIN	0.050	U
1024-57-3	HEPTACHLOR EPOXIDE	0.050	U
959-98-8	ENDOSULFAN I	0.050	U
60-57-1	DIELDRIN	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	ENDRIN	0.10	U
33213-65-9	ENDOSULFAN II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	ENDOSULFAN SULFATE	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	METHOXYCHLOR	0.50	U
53494-70-5	ENDRIN KETONE	0.10	U
5103-71-9	ALPHA-CHLORDANE	0.50	U
5103-74-2	GAMMA-CHLORDANE	0.50	U
8001-35-2	TOXAPHENE	1.0	U
12674-11-2	AROCLOR-1016	0.50	U
11104-28-2	AROCLOR-1221	0.50	U
11141-16-5	AROCLOR-1232	0.50	U
53469-21-9	AROCLOR-1242	0.50	U
12672-29-6	AROCLOR-1248	0.50	U
11097-69-1	AROCLOR-1254	1.0	U
11096-82-5	AROCLOR-1260	1.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TCCSWB2W0(

Lab Name: NUS-LSG Contract: _____

Lab Code: NUS Case No.: TNK SAS No.: _____ SDG No.: PKG6

Matrix: (soil/water) WATER Lab Sample ID: P189222

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

Level: (low/med) LOW Date Received: 02/08/92

% Moisture: not dec. __ dec. __ Date Extracted: 02/13/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 02/18/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	ALPHA-BHC	0.050	U
319-85-7	BETA-BHC	0.050	U
319-86-8	DELTA-BHC	0.050	U
58-89-9	LINDANE	0.050	U
76-44-8	HEPTACHLOR	0.050	U
309-00-2	ALDRIN	0.050	U
1024-57-3	HEPTACHLOR EPOXIDE	0.050	U
959-98-8	ENDOSULFAN I	0.050	U
60-57-1	DIELDRIN	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	ENDRIN	0.10	U
33213-65-9	ENDOSULFAN II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	ENDOSULFAN SULFATE	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	METHOXYCHLOR	0.50	U
53494-70-5	ENDRIN KETONE	0.10	U
5103-71-9	ALPHA-CHLORDANE	0.50	U
5103-74-2	GAMMA-CHLORDANE	0.50	U
8001-35-2	TOXAPHENE	1.0	U
12674-11-2	AROCLOR-1016	0.50	U
11104-28-2	AROCLOR-1221	0.50	U
11141-16-5	AROCLOR-1232	0.50	U
53469-21-9	AROCLOR-1242	0.50	U
12672-29-6	AROCLOR-1248	0.50	U
11097-69-1	AROCLOR-1254	1.0	U
11096-82-5	AROCLOR-1260	1.0	U

Modified 1D
ORGANOPHOSPHORUS PESTICIDES DATA SHEET

EPA SAMPLE NO.

TCC-SWB2-W-0002

ame: RESOURCE ANALYSTS,INC. Contract:HALLIBURTON NUS

Code: Case No.: TINKERAFB SAS No.: SDG No.: 3K92

ix: (soil/water) WATER Lab Sample ID: 30042-002

le wt/vol: 1000. (g/mL)ML Lab File ID: G9R09571

l: (low/med) LOW Date Received: 02/11/92

isture: not dec. dec. Date Extracted: 02/11/92

action: (SepF/Cont/Sonc) SEPF Date Analyzed: 02/18/92

Dilution Factor: 1.0000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
2921-88-2	CHLORPYRIFOS (DURSBAN)	2.0	U
8065-48-3	DEMETON	0.5	U
86-50-0	AZINPHOS METHYL (GUTHION)	0.5	U
121-75-5	MALATHION	0.3	U
56-38-2	PARATHION	0.3	U

EPA METHOD 8140, SW-846, 3rd Edition

FORM I PEST

Modified 1D
ORGANOPHOSPHORUS PESTICIDES DATA SHEET

EPA SAMPLE NO.

TCC-SWB2-W-0002

ame: RESOURCE ANALYSTS,INC. Contract:HALLIBURTON NUS

ode: Case No.: TINKERAFB SAS No.: SDG No.: 3K92

ix: (soil/water) WATER Lab Sample ID: 30042-002

le wt/vol: 1000. (g/mL)ML Lab File ID: G9R09571

l: (low/med) LOW Date Received: 02/11/92

isture: not dec. dec. Date Extracted: 02/11/92

action: (SepF/Cont/Sonc) SEPF Date Analyzed: 02/18/92

Dilution Factor: 1.0000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
2921-88-2	CHLORPYRIFOS (DURSBAN)	2.0	U
8065-48-3	DEMETON	0.5	U
86-50-0	AZINPHOS METHYL (GUTHION)	0.5	U
121-75-5	MALATHION	0.3	U
56-38-2	PARATHION	0.3	U

EPA METHOD 8140, SW-846, 3rd Edition

FORM I PEST

Modified 1D
ORGANOPHOSPHORUS PESTICIDES DATA SHEET

EPA SAMPLE NO.

TCC-SWB2-W-0002

Lab Name: RESOURCE ANALYSTS,INC. Contract:HALLIBURTON NUS

Lab Code: Case No.: TINKERAFB SAS No.: SDG No.: 3K92

Matrix: (soil/water) WATER Lab Sample ID: 30042-002

Sample wt/vol: 1000. (g/mL)ML Lab File ID: G15R04546

Level: (low/med) LOW Date Received: 02/11/92

% Moisture: not dec. dec. Date Extracted: 02/11/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 02/21/92

Dilution Factor: 1.0000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
2385-85-5	MIREX	0.5	U

EPA METHOD 8080, SW-846, 3rd Edition

FORM I PEST

Modified 1D
ORGANOPHOSPHORUS PESTICIDES DATA SHEET

EPA SAMPLE NO.

ICC-SWB2-W-0002

Lab Name: RESOURCE ANALYSTS,INC. Contract:HALLIBURTON NUS

Lab Code: Case No.: TINKERAFB SAS No.: SDG No.: 3K92

Matrix: (soil/water) WATER Lab Sample ID: 30042-002

Sample wt/vol: 1000. (g/mL)ML Lab File ID: G15R04546

Level: (low/med) LOW Date Received: 02/11/92

% Moisture: not dec. dec. Date Extracted: 02/11/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 02/21/92

Dilution Factor: 1.0000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
2385-85-5	MIREX	0.5	U

EPA METHOD 8080, SW-846, 3rd Edition

FORM I PEST

E-20

CONTAMINANT INDICATOR COMPOUNDS IN SURFACE WATER - FEBRUARY 1992

E-20

CONTAMINANT INDICATOR COMPOUNDS IN SURFACE WATER - FEBRUARY 1992

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CLIENT ORIGINAL

HALLIBURTON NUS
Environmental Laboratories

5350 Campbells Run Road
Pittsburgh, PA 15205
800-228-6870

6751-L Engle Road
Cleveland, OH 44130
216-891-4700

March 19, 1992
Report No.: 00006491
Section A Page 1

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

Carbon Copy:

SAMPLE ID: TKC-SW01-W-0002
NUS SAMPLE NO: P0188953
P.O. NO.:

FIELD DUP. OF TKC-SW01-C-0002

DATE SAMPLED: 04-FEB-92
DATE RECEIVED: 06-FEB-92
APPROVED BY: R Volk

pkg 6

LN	TEST CODE	DETERMINATION	RESULT	UNIT
3	ACLPW	TAL METALS & CLP DATA PACKAGE	DONE	
4	I023	Alkalinity, Total (as CaCO3)	260	mg/L
5	I120	COD(CO)	44 J	mg/L
6	I130	Chloride (Cl)	60 J	mg/L
7	I590	Solids, Dissolved at 180C	390	mg/L
8	I390	Nitrate (as N)	1.6	mg/L
11	I610	Solids, Suspended at 103C	< 10	mg/L
13	I106	Carbon, Organic - Nonpurgeable	3 J	mg/L
16	OSVIXW	APPENDIX IX SEMIVOLATILES IN WATER		
		Data Package - BNA	DONE	
18	G120WC	PESTICIDES/PCBS + CLP DATA PACKAGE - WATER		
		Data Package - Pesticides/PCBs	DONE	
19	I265WC	CLP - Cyanide (CN)	10 u	ug/L
20	DPACK	CLP Data Package Deliverable	DONE	
21	OVIXW	APPENDIX IX VOLATILES IN WATER		
		Data Package - VOA	DONE	
23	I300	Fluoride (F) - Direct	1.7 J	mg/L
24	I320	Hardness, Total (as CaCO3)	230	mg/L
25	G130W	CHLORINATED HERBICIDES		
		2,4,5-TP (Silvex)	< 0.05	ug/L
27	R03W	Gross Alpha and Beta		
		Gross Alpha	< 5	pCi/L
		Gross Beta	5.3 +/- 3.4	pCi/L

COMMENTS:

CLIENT ORIGINAL

HALLIBURTON NUS
Environmental Laboratories

5350 Campbells Run Road
Pittsburgh, PA 15205
800-228-6870

6751-L Engle Road
Cleveland, OH 44130
216-891-4700

March 19, 1992
Report No.: 00006491
Section A Page 1

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

Carbon Copy:

SAMPLE ID: TKC-SW01-W-0002
NUS SAMPLE NO: P0188953
P.O. NO.:

FIELD DUP. OF TKC-SW01-C-0002

DATE SAMPLED: 04-FEB-92
DATE RECEIVED: 06-FEB-92
APPROVED BY: R Volk

pkg 6

LN	TEST CODE	DETERMINATION	RESULT	UNIT
3	ACLPW	TAL METALS & CLP DATA PACKAGE	DONE	
4	I023	Alkalinity, Total (as CaCO3)	260	mg/L
5	I120	COD(C2)	44 J	mg/L
6	I130	Chloride (Cl)	60 J	mg/L
7	I590	Solids, Dissolved at 180C	390	mg/L
8	I390	Nitrate (as N)	1.6	mg/L
11	I610	Solids, Suspended at 103C	< 10	mg/L
13	I106	Carbon, Organic - Nonpurgeable	3 J	mg/L
16	OSVIXW	APPENDIX IX SEMIVOLATILES IN WATER		
		Data Package - BNA	DONE	
18	G120WC	PESTICIDES/PCBS + CLP DATA PACKAGE - WATER		
		Data Package - Pesticides/PCBs	DONE	
19	I265WC	CLP - Cyanide (CN)	10 u	ug/L
20	DPACK	CLP Data Package Deliverable	DONE	
21	OVIXW	APPENDIX IX VOLATILES IN WATER		
		Data Package - VOA	DONE	
23	I300	Fluoride (F) - Direct	1.7 J	mg/L
24	I320	Hardness, Total (as CaCO3)	230	mg/L
25	G130W	CHLORINATED HERBICIDES		
		2,4,5-TP (Silvex)	< 0.05	ug/L
27	R03W	Gross Alpha and Beta		
		Gross Alpha	< 5	pCi/L
		Gross Beta	5.3 +/- 3.4	pCi/L

COMMENTS:

CLIENT ORIGINAL

HALLIBURTON NUS
Environmental Laboratories

5350 Campbells Run Road
Pittsburgh, PA 15205
800-228-6870

6751-L Engle Road
Cleveland, OH 44130
216-891-4700

March 19, 1992
Report No.: 00006491
Section A Page 2

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

Carbon Copy:

SAMPLE ID: TKC-SW01-C-0002 FIELD DUP. OF TKC-SW01-W-0002
NUS SAMPLE NO: P0198954
P.O. NO.:

DATE SAMPLED: 04-FEB-92
DATE RECEIVED: 06-FEB-92
APPROVED BY: R Volk

pkg 6

LN	TEST CODE	DETERMINATION	RESULT	UNITS
3	ACLPW	TAL METALS & CLP DATA PACKAGE	DONE	
4	I023	Alkalinity, Total (as CaCO3)	260	mg/L
5	I120	COD(O2)	14 J	mg/L
6	I130	Chloride (Cl)	58 J	mg/L
7	I590	Solids, Dissolved at 180C	400	mg/L
8	I390	Nitrate (as N)	1.7	mg/L
11	I610	Solids, Suspended at 103C	< 10	mg/L
13	I106	Carbon, Organic - Nonpurgeable	7 J	mg/L
16	OSVIXW	APPENDIX IX SEMIVOLATILES IN WATER		
		Data Package - BNA	DONE	
18	G120WC	PESTICIDES/PCBS - CLP DATA PACKAGE - WATER		
		Data Package - Pesticides/PCBs	DONE	
19	I255WC	CLP - Cyanide (CN)	10 u	ug/L
20	DPACK	CLP Data Package Deliverable	DONE	
21	OVIXW	APPENDIX IX VOLATILES IN WATER		
		Data Package - VOA	DONE	
23	I300	Fluoride (F) - Direct	0.3 J	mg/L
24	I320	Hardness, Total (as CaCO3)	250	mg/L
25	G130W	CHLORINATED HERBICIDES		
		2,4,5-TP (Silvex)	< 0.05	ug/L
27	R03W	Gross Alpha and Beta		
		Gross Alpha	4.2 +/- 3.3	pCi/L
		Gross Beta	< 5	pCi/L

COMMENTS:

CLIENT ORIGINAL

HALLIBURTON NUS
Environmental Laboratories

5350 Campbells Run Road
Pittsburgh, PA 15205
800-228-6870

6751-L Engle Road
Cleveland, OH 44130
216-891-4700

March 19, 1992
Report No.: 00006491
Section A Page 2

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

Carbon Copy:

SAMPLE ID: TKC-SW01-C-0002 FIELD DUP. OF TKC-SW01-W-0002
NUS SAMPLE NO: P0198954
P.O. NO.:

DATE SAMPLED: 04-FEB-92
DATE RECEIVED: 06-FEB-92
APPROVED BY: R Volk

pkg 6

LN	TEST CODE	DETERMINATION	RESULT		UNITS
3	ACLPW	TAL METALS & CLP DATA PACKAGE	DONE		
4	I023	Alkalinity, Total (as CaCO3)	260		mg/L
5	I120	COD(O2)	14	J	mg/L
6	I130	Chloride (Cl)	58	J	mg/L
7	I590	Solids, Dissolved at 180C	400		mg/L
8	I390	Nitrate (as N)	1.7		mg/L
11	I610	Solids, Suspended at 103C	< 10		mg/L
13	I106	Carbon, Organic - Nonpurgeable	7	J	mg/L
16	OSVIXW	APPENDIX IX SEMIVOLATILES IN WATER			
		Data Package - BNA	DONE		
18	G120WC	PESTICIDES/PCBS - CLP DATA PACKAGE - WATER			
		Data Package - Pesticides/PCBs	DONE		
19	I255WC	CLP - Cyanide (CN)	10 u		ug/L
20	DPACK	CLP Data Package Deliverable	DONE		
21	OVIXW	APPENDIX IX VOLATILES IN WATER			
		Data Package - VOA	DONE		
23	I300	Fluoride (F) - Direct	0.3	J	mg/L
24	I320	Hardness, Total (as CaCO3)	250		mg/L
25	G130W	CHLORINATED HERBICIDES			
		2,4,5-TP (Silvex)	< 0.05		ug/L
27	R03W	Gross Alpha and Beta			
		Gross Alpha	4.2 +/- 3.3		pCi/L
		Gross Beta	< 5		pCi/L

COMMENTS:

CLIENT ORIGINAL

HALLIBURTON NUS
Environmental Laboratories

5350 Campbells Run Road
Pittsburgh, PA 15205
800-228-6870

6751-L Engle Road
Cleveland, OH 44130
216-891-4700

March 19, 1992
Report No.: 00006493
Section A Page 1

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

Carbon Copy:

SAMPLE ID: TKC-SW05-W-0002
NUS SAMPLE NO: P0189149
P.O. NO.:

FIELD DUP. TKC-SW05-C-0002

DATE SAMPLED: 06-FEB-92
DATE RECEIVED: 10-FEB-92
APPROVED BY: R Volk

LN	TEST CODE	DETERMINATION	RESULT	UNIT
3	ACLPW	TAL METALS & CLP DATA PACKAGE	DONE	
[illegible]	I023	Alkalinity, Total (as CaCO3)	230	mg/L
[illegible]	I120	COD(O2)	42	mg/L
6	I130	Chloride (Cl)	37 J	mg/L
7	I590	Solids, Dissolved at 180C	330	mg/L
8	I390	Nitrate (as N)	2.0	mg/L
11	I610	Solids, Suspended at 103C	< 10	mg/L
13	I106	Carbon, Organic - Nonpurgeable	13	mg/L
16	OSVIXW	APPENDIX IX SEMIVOLATILES IN WATER Data Package - BNA	DONE	
20	DPACK	CLP Data Package Deliverable	DONE	
21	OVIXW	APPENDIX IX VOLATILES IN WATER Data Package - VOA	DONE	
23	I300	Fluoride (F) - Direct	0.3	mg/L
24	I320	Hardness, Total (as CaCO3)	210	mg/L

COMMENTS:

CLIENT ORIGINAL

HALLIBURTON NUS
Environmental Laboratories

5350 Campbells Run Road
Pittsburgh, PA 15205
800-228-6870

6751-L Engle Road
Cleveland, OH 44130
216-891-4700

March 19, 1992
Report No.: 00006493
Section A Page 1

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

Carbon Copy:

SAMPLE ID: TKC-SW05-W-0002
NUS SAMPLE NO: P0189149
P.O. NO.:

FIELD DUP. TKC-SW05-C-0002

DATE SAMPLED: 06-FEB-92
DATE RECEIVED: 10-FEB-92
APPROVED BY: R Volk

LN	TEST CODE	DETERMINATION	RESULT	UNIT
3	ACLPW	TAL METALS & CLP DATA PACKAGE	DONE	
[illegible]	I023	Alkalinity, Total (as CaCO3)	230	mg/L
[illegible]	I120	COD(O2)	42	mg/L
6	I130	Chloride (Cl)	37 J	mg/L
7	I590	Solids, Dissolved at 180C	330	mg/L
8	I390	Nitrate (as N)	2.0	mg/L
11	I610	Solids, Suspended at 103C	< 10	mg/L
13	I106	Carbon, Organic - Nonpurgeable	13	mg/L
16	OSVIXW	APPENDIX IX SEMIVOLATILES IN WATER		
		Data Package - BNA	DONE	
20	DPACK	CLP Data Package Deliverable	DONE	
21	OVIXW	APPENDIX IX VOLATILES IN WATER		
		Data Package - VOA	DONE	
23	I300	Fluoride (F) - Direct	0.3	mg/L
24	I320	Hardness, Total (as CaCO3)	210	mg/L

COMMENTS:

CLIENT ORIGINAL

HALLIBURTON NUS
Environmental Laboratories

5350 Campbells Run Road
Pittsburgh, PA 15205
800-228-6870

6751-L Engle Road
Cleveland, OH 44130
216-891-4700

March 19, 1992
Report No.: 00006493
Section A Page 5

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

Carbon Copy:

SAMPLE ID: TKC-SW05-C-0002
NUS SAMPLE NO: P0189153
P.O. NO.:

FIELD DUP. OF TKC-SW05-W-0002 pk96

DATE SAMPLED: 06-FEB-92
DATE RECEIVED: 10-FEB-92
APPROVED BY: R Volk

LN	TEST CODE	DETERMINATION	RESULT	UNITS
3	ACLPW	TAL METALS & CLP DATA PACKAGE	DONE	
4	I023	Alkalinity, Total (as CaCO3)	240	mg/L
5	I120	COD(O2)	23	mg/L
6	I130	Chloride (Cl)	35 J	mg/L
7	I590	Solids, Dissolved at 180C	340	mg/L
8	I390	Nitrate (as N)	2.0	mg/L
11	I610	Solids, Suspended at 103C	< 10	mg/L
13	I106	Carbon, Organic - Nonpurgeable	2	mg/L
20	DPACK	CLP Data Package Deliverable	DONE	
23	I300	Fluoride (F) - Direct	0.3	mg/L
24	I320	Hardness, Total (as CaCO3)	210	mg/L

COMMENTS:

CLIENT ORIGINAL

HALLIBURTON NUS
Environmental Laboratories

5350 Campbells Run Road
Pittsburgh, PA 15205
800-228-6870

6751-L Engle Road
Cleveland, OH 44130
216-891-4700

March 19, 1992
Report No.: 00006483
Section A Page 5

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

Carbon Copy:

SAMPLE ID: TKC-SW05-C-0002
NUS SAMPLE NO: P0189153
P.O. NO.:

FIELD DUP. OF TKC-SW05-W-0002

DATE SAMPLED: 06-FEB-92
DATE RECEIVED: 10-FEB-92
APPROVED BY: R Volk

pkg6

LN	TEST CODE	DETERMINATION	RESULT	UNITS
3	ACLPW	TAL METALS & CLP DATA PACKAGE	DONE	
4	I023	Alkalinity, Total (as CaCO3)	240	mg/L
5	I120	COD(O2)	23	mg/L
6	I130	Chloride (Cl)	35 J	mg/L
7	I590	Solids, Dissolved at 180C	340	mg/L
8	I390	Nitrate (as N)	2.0	mg/L
11	I610	Solids, Suspended at 103C	< 10	mg/L
13	I106	Carbon, Organic - Nonpurgeable	2	mg/L
20	DPACK	CLP Data Package Deliverable	DONE	
23	I300	Fluoride (F) - Direct	0.3	mg/L
24	I320	Hardness, Total (as CaCO3)	210	mg/L

COMMENTS:

CLIENT ORIGINAL

HALLIBURTON NUS
Environmental Laboratories

5350 Campbells Run Road
Pittsburgh, PA 15205
800-228-6870

6751-L Engle Road
Cleveland, OH 44130
216-891-4700

March 19, 1992
Report No.: 00006492
Section A Page 1

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

Carbon Copy:

SAMPLE ID: TCC-SW06-W-0002
NUS SAMPLE NO: P0189026
P.O. NO.:

DATE SAMPLED: 05-FEB-92
DATE RECEIVED: 07-FEB-92
APPROVED BY: R Volk

pkg. 6

LN	TEST CODE	DETERMINATION	RESULT	UNIT
3	ACLPW	TAL METALS & CLP DATA PACKAGE	DONE	
4	I023	Alkalinity, Total (as CaCO3)	320	mg/L
5	I120	COD(O2)	14	mg/L
6	I130	Chloride (Cl)	290 J	mg/L
7	I590	Solids, Dissolved at 180C	700	mg/L
8	I390	Nitrate (as N)	1.5	mg/L
11	I610	Solids, Suspended at 103C	< 10	mg/L
13	I106	Carbon, Organic - Nonpurgeable	20	mg/L
16	OSVIXW	APPENDIX IX SEMIVOLATILES IN WATER		
		Data Package - BNA	DONE	
18	G120WC	PESTICIDES/PCBS + CLP DATA PACKAGE - WATER		
		Data Package - Pesticides/PCBs	DONE	
19	I265WC	CLP - Cyanide (CN)	10 u	ug/L
20	DPACN	CLP Data Package Deliverable	DONE	
21	OVIXW	APPENDIX IX VOLATILES IN WATER		
		Data Package - VOA	DONE	
23	I300	Fluoride (F) - Direct	0.4	mg/L
24	I320	Hardness, Total (as CaCO3)	380	mg/L
25	G130W	CHLORINATED HERBICIDES		
		2,4,5-TP (Silvex)	< 0.05	ug/L
27	R03W	Gross Alpha and Beta		
		Gross Alpha	< 9	pCi/L
		Gross Beta	6.4 +/- 3.6	pCi/L

COMMENTS:

CLIENT ORIGINAL

HALLIBURTON NUS
Environmental Laboratories

5350 Campbells Run Road
Pittsburgh, PA 15205
800-228-6870

6751-L Engle Road
Cleveland, OH 44130
216-891-4700

March 19, 1992
Report No.: 00006492
Section A Page 1

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

Carbon Copy:

SAMPLE ID: TCC-SW06-W-0002
NUS SAMPLE NO: P0189026
P.O. NO.:

DATE SAMPLED: 05-FEB-92
DATE RECEIVED: 07-FEB-92
APPROVED BY: R Volk

pkg. 6

LN	TEST CODE	DETERMINATION	RESULT	UNIT
3	ACLPW	TAL METALS & CLP DATA PACKAGE	DONE	
4	I023	Alkalinity, Total (as CaCO3)	320	mg/L
5	I120	COD(O2)	14	mg/L
6	I130	Chloride (Cl)	290 J	mg/L
7	I590	Solids, Dissolved at 180C	700	mg/L
8	I390	Nitrate (as N)	1.5	mg/L
11	I610	Solids, Suspended at 103C	< 10	mg/L
13	I106	Carbon, Organic - Nonpurgeable	20	mg/L
16	OSVIXW	APPENDIX IX SEMIVOLATILES IN WATER		
		Data Package - BNA	DONE	
18	G120WC	PESTICIDES/PCBS + CLP DATA PACKAGE - WATER		
		Data Package - Pesticides/PCBs	DONE	
19	I265WC	CLP - Cyanide (CN)	10 u	ug/L
20	DPACK	CLP Data Package Deliverable	DONE	
21	OVIXW	APPENDIX IX VOLATILES IN WATER		
		Data Package - VOA	DONE	
23	I300	Fluoride (F) - Direct	0.4	mg/L
24	I320	Hardness, Total (as CaCO3)	380	mg/L
25	G130W	CHLORINATED HERBICIDES		
		2,4,5-TP (Silvex)	< 0.05	ug/L
27	R03W	Gross Alpha and Beta		
		Gross Alpha	< 9	pCi/L
		Gross Beta	6.4 +/- 3.6	pCi/L

COMMENTS:

CLIENT ORIGINAL

HALLIBURTON NUS
Environmental Laboratories

5350 Campbells Run Road
Pittsburgh, PA 15205
800-228-6870

6751-L Engle Road
Cleveland, OH 44130
216-891-4700

March 19, 1992
Report No.: 00006493
Section A Page 2

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

Carbon Copy:

SAMPLE ID: TCC-SW11-W-0002
NUS SAMPLE NO: P0189150
P.O. NO.:

DATE SAMPLED: 06-FEB-92
DATE RECEIVED: 10-FEB-92
APPROVED BY: J Simanic

LN	TEST CODE	DETERMINATION	RESULT	UNITS
4	I023	Alkalinity, Total (as CaCO3)	320	mg/L
5	I120	COD(O2)	9	mg/L
6	I130	Chloride (Cl)	100 J	mg/L
7	I590	Solids, Dissolved at 180C	530	mg/L
8	I390	Nitrate (as N)	0.3	mg/L
11	I610	Solids, Suspended at 103C	20	mg/L
13	I106	Carbon, Organic - Nonpurgeable	6	mg/L
23	I300	Fluoride (F) - Direct	0.4	mg/L
24	I320	Hardness, Total (as CaCO3)	310	mg/L

COMMENTS:

CLIENT ORIGINAL

HALLIBURTON NUS
Environmental Laboratories

5350 Campbells Run Road
Pittsburgh, PA 15205
800-228-6870

6751-L Engle Road
Cleveland, OH 44130
216-891-4700

March 19, 1992
Report No.: 00006493
Section A Page 2

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

Carbon Copy:

SAMPLE ID: TCC-SW11-W-0002
NUS SAMPLE NO: P0189150
P.O. NO.:

DATE SAMPLED: 06-FEB-92
DATE RECEIVED: 10-FEB-92
APPROVED BY: J Simanic

LN	TEST CODE	DETERMINATION	RESULT	UNITS
4	I023	Alkalinity, Total (as CaCO3)	320	mg/L
5	I120	COD(O2)	9	mg/L
6	I130	Chloride (Cl)	100 J	mg/L
7	I590	Solids, Dissolved at 180C	530	mg/L
8	I390	Nitrate (as N)	0.3	mg/L
11	I610	Solids, Suspended at 103C	20	mg/L
13	I106	Carbon, Organic - Nonpurgeable	6	mg/L
23	I300	Fluoride (F) - Direct	0.4	mg/L
24	I320	Hardness, Total (as CaCO3)	310	mg/L

COMMENTS:

CLIENT ORIGINAL

HALLIBURTON NUS
Environmental Laboratories

5350 Campbells Run Road
Pittsburgh, PA 15205
800-228-6870

6751-L Engle Road
Cleveland, OH 44130
216-891-4700

Report No.: 00006492
Section A Page 4

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

Carbon Copy:

SAMPLE ID: TCC-SW15-W-0002
NUS SAMPLE NO: P0189029
P.O. NO.:

DATE SAMPLED: 05-FEB-92
DATE RECEIVED: 07-FEB-92
APPROVED BY: R Volk

pkg 6

LN	TEST CODE	DETERMINATION	RESULT	UNITS
3	ACLPW	TAL METALS & CLP DATA PACKAGE	DONE	
4	I023	Alkalinity, Total (as CaCO3)	310	mg/L
5	I120	COD(O2)	14	mg/L
6	I130	Chloride (Cl)	63 J	mg/L
7	I590	Solids, Dissolved at 180C	450	mg/L
8	I390	Nitrate (as N)	0.6	mg/L
11	I610	Solids, Suspended at 103C	14	mg/L
13	I106	Carbon, Organic - Nonpurgeable	12	mg/L
16	OSVIXW	APPENDIX IX SEMIVOLATILES IN WATER		
		Data Package - BNA	DONE	
18	G120WC	PESTICIDES/PCBS + CLP DATA PACKAGE - WATER		
		Data Package - Pesticides/PCBs	DONE	
20	DPACK	CLP Data Package Deliverable	DONE	
21	OVIXW	APPENDIX IX VOLATILES IN WATER		
		Data Package - VOA	DONE	
23	I300	Fluoride (F) - Direct	0.4	mg/L
24	I320	Hardness, Total (as CaCO3)	310	mg/L
25	G130W	CHLORINATED HERBICIDES		
		2,4,5-TP (Silvex)	< 0.05	ug/L
27	R03W	Gross Alpha and Beta		
		Gross Alpha	< 5	pCi/L
		Gross Beta	7.2 +/- 3.5	pCi/L

COMMENTS:

CLIENT ORIGINAL

HALLIBURTON NUS
Environmental Laboratories

5350 Campbells Run Road
Pittsburgh, PA 15205
800-228-6870

6751-L Engle Road
Cleveland, OH 44130
216-891-4700

Report No.: 00006492
Section A Page 4

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

Carbon Copy:

SAMPLE ID: TCC-SW15-W-0002
NUS SAMPLE NO: P0189029
P.O. NO.:

DATE SAMPLED: 05-FEB-92
DATE RECEIVED: 07-FEB-92
APPROVED BY: R Volk

pkg 6

LN	TEST CODE	DETERMINATION	RESULT	UNITS
3	ACLPW	TAL METALS & CLP DATA PACKAGE	DONE	
4	I023	Alkalinity, Total (as CaCO3)	310	mg/L
5	I120	COD(O2)	14	mg/L
6	I130	Chloride (Cl)	63 J	mg/L
7	I590	Solids, Dissolved at 180C	450	mg/L
8	I390	Nitrate (as N)	0.6	mg/L
11	I610	Solids, Suspended at 103C	14	mg/L
13	I106	Carbon, Organic - Nonpurgeable	12	mg/L
16	OSVIXW	APPENDIX IX SEMIVOLATILES IN WATER		
		Data Package - BNA	DONE	
18	G120WC	PESTICIDES/PCBS + CLP DATA PACKAGE - WATER		
		Data Package - Pesticides/PCBs	DONE	
20	DPACK	CLP Data Package Deliverable	DONE	
21	OVIXW	APPENDIX IX VOLATILES IN WATER		
		Data Package - VOA	DONE	
23	I300	Fluoride (F) - Direct	0.4	mg/L
24	I320	Hardness, Total (as CaCO3)	310	mg/L
25	G130W	CHLORINATED HERBICIDES		
		2,4,5-TP (Silvex)	< 0.05	ug/L
27	R03W	Gross Alpha and Beta		
		Gross Alpha	< 5	pCi/L
		Gross Beta	7.2 +/- 3.5	pCi/L

COMMENTS:

CLIENT ORIGINAL

HALLIBURTON NUS
Environmental Laboratories

5350 Campbells Run Road
Pittsburgh, PA 15205
800-228-6870

6751-L Engle Road
Cleveland, OH 44130
216-891-4700

March 19, 1992
Report No.: 00006492
Section A Page 7

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

Carbon Copy:

SAMPLE ID: TCC-SW17A-W-0002
NUS SAMPLE NO: P0189032
P.O. NO.:

DATE SAMPLED: 05-FEB-92
DATE RECEIVED: 07-FEB-92
APPROVED BY: J Simanic

LN	TEST CODE	DETERMINATION	RESULT	UNITS
4	I023	Alkalinity, Total (as CaCO3)	240	mg/L
5	I120	COD(O2)	14	mg/L
6	I130	Chloride (Cl)	62 J	mg/L
7	I590	Solids, Dissolved at 180C	390	mg/L
8	I390	Nitrate (as N)	1.0	mg/L
11	I610	Solids, Suspended at 103C	33	mg/L
13	I106	Carbon, Organic - Nonpurgeable	9	mg/L
23	I300	Fluoride (F) - Direct	0.4	mg/L
24	I320	Hardness, Total (as CaCO3)	270	mg/L

COMMENTS:

CLIENT ORIGINAL

HALLIBURTON NUS
Environmental Laboratories

5350 Campbells Run Road
Pittsburgh, PA 15205
800-228-6870

6751-L Engle Road
Cleveland, OH 44130
216-891-4700

March 19, 1992
Report No.: 00006492
Section A Page 7

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

Carbon Copy:

SAMPLE ID: TCC-SW17A-W-0002
NUS SAMPLE NO: P0189032
P.O. NO.:

DATE SAMPLED: 05-FEB-92
DATE RECEIVED: 07-FEB-92
APPROVED BY: J Simanic

LN	TEST CODE	DETERMINATION	RESULT	UNITS
4	I023	Alkalinity, Total (as CaCO3)	240	mg/L
5	I120	COD(O2)	14	mg/L
6	I130	Chloride (Cl)	62 J	mg/L
7	I590	Solids, Dissolved at 180C	390	mg/L
8	I390	Nitrate (as N)	1.0	mg/L
11	I610	Solids, Suspended at 103C	33	mg/L
13	I106	Carbon, Organic - Nonpurgeable	9	mg/L
23	I300	Fluoride (F) - Direct	0.4	mg/L
24	I320	Hardness, Total (as CaCO3)	270	mg/L

COMMENTS:

HALLIBURTON NUS
Environmental Laboratories

5350 Campbells Run Road
Pittsburgh, PA 15205
800-228-6870

6751 Road
Cleveland, OH 44130
216-891-4700

March 19, 1992
Report No.: 00006494
Section A Page 21

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

Carbon Copy:

SAMPLE ID: TCC-SW20-W-0002
NUS SAMPLE NO: P0189231
P.O. NO.:

DATE SAMPLED: 09-FEB-92
DATE RECEIVED: 11-FEB-92
APPROVED BY: R Volk

pkg 6

LN	TEST CODE	DETERMINATION	RESULT	UNITS
3	ACLPW	TAL METALS & CLP DATA PACKAGE	DONE	
4	I023	Alkalinity, Total (as CaCO3)	460	mg/L
5	I120	COD(O2)	13	mg/L
6	I130	Chloride (Cl)	300 J	mg/L
7	I590	Solids, Dissolved at 180C	1000	mg/L
8	I390	Nitrate (as N)	0.6	mg/L
11	I610	Solids, Suspended at 103C	19	mg/L
13	I106	Carbon, Organic - Nonpurgeable	13	mg/L
20	DPACK	CLP Data Package Deliverable	DONE	
23	I300	Fluoride (F) - Direct	1.1	mg/L
24	I320	Hardness, Total (as CaCO3)	580	mg/L

COMMENTS:

HALLIBURTON NUS
Environmental Laboratories

5350 Campbells Run Road
Pittsburgh, PA 15205
800-228-6870

6751 Road
Cleveland, OH 44130
216-891-4700

March 19, 1992
Report No.: 00006494
Section A Page 21

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

Carbon Copy:

SAMPLE ID: TCC-SW20-W-0002
NUS SAMPLE NO: P0189231
P.O. NO.:

DATE SAMPLED: 09-FEB-92
DATE RECEIVED: 11-FEB-92
APPROVED BY: R Volk

pkg 6

LN	TEST CODE	DETERMINATION	RESULT	UNITS
3	ACLPW	TAL METALS & CLP DATA PACKAGE	DONE	
4	I023	Alkalinity, Total (as CaCO3)	460	mg/L
5	I120	COD(O2)	13	mg/L
6	I130	Chloride (Cl)	300 J	mg/L
7	I590	Solids, Dissolved at 180C	1000	mg/L
8	I390	Nitrate (as N)	0.6	mg/L
11	I610	Solids, Suspended at 103C	19	mg/L
13	I106	Carbon, Organic - Nonpurgeable	13	mg/L
20	DPACK	CLP Data Package Deliverable	DONE	
23	I300	Fluoride (F) - Direct	1.1	mg/L
24	I320	Hardness, Total (as CaCO3)	580	mg/L

COMMENTS:

CLIENT ORIGINAL

HALLIBURTON NUS
Environmental Laboratories

5350 Campbells Run Road
Pittsburgh, PA 15205
800-228-6870

6751-L Engle Road
Cleveland, OH 44130
216-891-4700

March 19, 1992
Report No.: 00006494
Section A Page 1

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

Carbon Copy:

SAMPLE ID: TEC-SW22-W-0002
NUS SAMPLE NO: P0189214
P.O. NO.:

DATE SAMPLED: 08-FEB-92
DATE RECEIVED: 11-FEB-92
APPROVED BY: R Volk

spkg 6

LN	TEST CODE	DETERMINATION	RESULT	UNIT
3	ACLPW	TAL METALS & CLP DATA PACKAGE	DONE	
4	I023	Alkalinity, Total (as CaCO3)	260	mg/L
5	I120	COD(O2)	12	mg/L
6	I130	Chloride (Cl)	23 J	mg/L
7	I590	Solids, Dissolved at 180C	310	mg/L
8	I390	Nitrate (as N)	1.4	mg/L
11	I610	Solids, Suspended at 103C	< 10	mg/L
13	I106	Carbon, Organic - Nonburgeable	4.0	mg/L
16	05VIXW	APPENDIX IX SEMIVOLATILES IN WATER		
		Data Package - BNA	DONE	
18	G120WC	PESTICIDES/PCBS + CLP DATA PACKAGE - WATER		
		Data Package - Pesticides/PCBs	DONE	
19	I265WC	CLP - Cyanide (CN)	10 u	ug/L
20	DPACP	CLP Data Package Deliverable	DONE	
21	0VIXW	APPENDIX IX VOLATILES IN WATER		
		Data Package - VOA	DONE	
23	I300	Fluoride (F) - Direct	0.3	mg/L
24	I320	Hardness, Total (as CaCO3)	240	mg/L
25	G130W	CHLORINATED HERBICIDES		
		2,4,5-TP (Silvex)	< 0.05	ug/L
27	R03W	Gross Alpha and Beta		
		Gross Alpha	< 4	pCi/L
		Gross Beta	< 5	pCi/L

COMMENTS:

CLIENT ORIGINAL

HALLIBURTON NUS
Environmental Laboratories

5350 Campbells Run Road
Pittsburgh, PA 15205
800-228-6870

6751-L Engle Road
Cleveland, OH 44130
216-891-4700

March 19, 1992
Report No.: 00006494
Section A Page 1

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

Carbon Copy:

SAMPLE ID: TEC-SW22-W-0002
NUS SAMPLE NO: P0189214
P.O. NO.:

DATE SAMPLED: 08-FEB-92
DATE RECEIVED: 11-FEB-92
APPROVED BY: R Volk

pkg 6

LN	TEST CODE	DETERMINATION	RESULT	UNIT
3	ACLPW	TAL METALS & CLP DATA PACKAGE	DONE	
4	I023	Alkalinity, Total (as CaCO3)	260	mg/L
5	I120	COD(O2)	12	mg/L
6	I130	Chloride (Cl)	23 J	mg/L
7	I590	Solids, Dissolved at 180C	310	mg/L
8	I390	Nitrate (as N)	1.4	mg/L
11	I610	Solids, Suspended at 103C	< 10	mg/L
13	I106	Carbon, Organic - Nonpurgeable	4.0	mg/L
16	05VIXW	APPENDIX IX SEMIVOLATILES IN WATER		
		Data Package - BNA	DONE	
18	G120WC	PESTICIDES/PCBS + CLP DATA PACKAGE - WATER		
		Data Package - Pesticides/PCBs	DONE	
19	I265WC	CLP - Cyanide (CN)	10 u	ug/L
20	DPACP	CLP Data Package Deliverable	DONE	
21	0VIXW	APPENDIX IX VOLATILES IN WATER		
		Data Package - VOA	DONE	
23	I300	Fluoride (F) - Direct	0.3	mg/L
24	I320	Hardness, Total (as CaCO3)	240	mg/L
25	G130W	CHLORINATED HEREICIDES		
		2,4,5-TP (Silvex)	< 0.05	ug/L
27	R03W	Gross Alpha and Beta		
		Gross Alpha	< 4	pCi/L
		Gross Beta	< 5	pCi/L

COMMENTS:

CLIENT ORIGINAL

HALLIBURTON NUS
Environmental Laboratories

5350 Campbells Run Road
Pittsburgh, PA 15205
800-228-6870

6751-L Engle Road
Cleveland, OH 44130
216-891-4700

March 19, 1992
Report No.: 00006494
Section A Page 12

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

Carbon Copy:

SAMPLE ID: TEC-SW24-W-0002
NUS SAMPLE NO: P0189224
P.O. NO.:

DATE SAMPLED: 08-FEB-92
DATE RECEIVED: 11-FEB-92
APPROVED BY: R Volk

LN	TEST CODE	DETERMINATION	RESULT	UNITS
3	ACLPW	TAL METALS & CLP DATA PACKAGE	DONE	
4	I023	Alkalinity, Total (as CaCO3)	570	mg/L
5	I120	COD(O2)	20	mg/L
6	I130	Chloride (Cl)	70 J	mg/L
7	I590	Solids, Dissolved at 180C	710	mg/L
8	I390	Nitrate (as N)	< 0.1	mg/L
11	I610	Solids, Suspended at 103C	51	mg/L
13	I106	Carbon, Organic - Nonpurgeable	7	mg/L
16	OSVIXW	APPENDIX IX SEMIVOLATILES IN WATER		
		Data Package - BNA	DONE	
18	O120WC	PESTICIDES/PCBS + CLP DATA PACKAGE - WATER		
		Data Package - Pesticides/PCBs	DONE	
19	I265WC	CLP - Cyanide (CN)	10 u	ug/L
20	DPACK	CLP Data Package Deliverable	DONE	
21	OVIXW	APPENDIX IX VOLATILES IN WATER		
		Data Package - VOA	DONE	
23	I300	Fluoride (F) - Direct	0.3	mg/L
24	I320	Hardness, Total (as CaCO3)	570	mg/L
25	O130W	CHLORINATED HERBICIDES		
		2,4,5-TP (Silvex)	< 0.05	ug/L
27	R03W	Gross Alpha and Beta		
		Gross Alpha	< 7	pCi/L
		Gross Beta	12 +/- 3	pCi/L

COMMENTS:

CLIENT ORIGINAL

HALLIBURTON NUS
Environmental Laboratories

5350 Campbells Run Road
Pittsburgh, PA 15205
800-228-6870

6751-L Engle Road
Cleveland, OH 44130
216-891-4700

March 19, 1992
Report No.: 00006494
Section A Page 12

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

Carbon Copy:

SAMPLE ID: TEC-SW24-W-0002
NUS SAMPLE NO: P0189224
P.O. NO.:

DATE SAMPLED: 08-FEB-92
DATE RECEIVED: 11-FEB-92
APPROVED BY: R Volk

pkg 10

LN	TEST CODE	DETERMINATION	RESULT	UNITS
3	ACLPW	TAL METALS & CLP DATA PACKAGE	DONE	
4	I023	Alkalinity, Total (as CaCO3)	570	mg/L
5	I120	COD(O2)	20	mg/L
6	I130	Chloride (Cl)	70 J	mg/L
7	I590	Solids, Dissolved at 180C	710	mg/L
8	I390	Nitrate (as N)	< 0.1	mg/L
11	I610	Solids, Suspended at 103C	51	mg/L
13	I106	Carbon, Organic - Nonpurgeable	7	mg/L
16	0SVIXW	APPENDIX IX SEMIVOLATILES IN WATER		
		Data Package - BNA	DONE	
18	0120WC	PESTICIDES/PCBS + CLP DATA PACKAGE - WATER		
		Data Package - Pesticides/PCBs	DONE	
19	I265WC	CLP - Cyanide (CN)	10 u	ug/L
20	DPACK	CLP Data Package Deliverable	DONE	
21	0VIXW	APPENDIX IX VOLATILES IN WATER		
		Data Package - VOA	DONE	
23	I300	Fluoride (F) - Direct	0.3	mg/L
24	I320	Hardness, Total (as CaCO3)	570	mg/L
25	0130W	CHLORINATED HERBICIDES		
		2,4,5-TP (Silvex)	< 0.05	ug/L
27	R03W	Gross Alpha and Beta		
		Gross Alpha	< 7	pCi/L
		Gross Beta	12 +/- 3	pCi/L

COMMENTS:

HALLIBURTON NUS
Environmental Laboratories

5350 Campbells Run Road
Pittsburgh, PA 15205
800-228-6870

6751-L Engle Road
Cleveland, OH 44130
216-891-4700

March 19, 1992
Report No.: 00006494
Section A Page 16

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

Carbon Copy:

SAMPLE ID: TCC-SWB1-W-0002
NUS SAMPLE NO: P0189227
P.O. NO.:

DATE SAMPLED: 08-FEB-92
DATE RECEIVED: 11-FEB-92
APPROVED BY: R Volk

Pkg 6

LN	TEST CODE	DETERMINATION	RESULT	UNITS
3	ACLPW	TAL METALS & CLP DATA PACKAGE	DONE	
4	I023	Alkalinity, Total (as CaCO3)	450	mg/L
5	I120	COD(O2)	32	mg/L
6	I130	Chloride (Cl)	150 J	mg/L
7	I590	Solids, Dissolved at 180C	720	mg/L
8	I390	Nitrate (as N)	1.3	mg/L
11	I810	Solids, Suspended at 103C	85	mg/L
13	I106	Carbon, Organic - Nonpurgeable	8	mg/L
16	OSVIXW	APPENDIX IX SEMIVOLATILES IN WATER Data Package - BNA	DONE	
18	G120WC	PESTICIDES/PCBS + CLP DATA PACKAGE - WATER Data Package - Pesticides/PCBs	DONE	
19	I265WC	CLP - Cyanide (CN)	10 u	ug/L
20	DPACK	CLP Data Package Deliverable	DONE	
21	OVIXW	APPENDIX IX VOLATILES IN WATER Data Package - VOA	DONE	
23	I300	Fluoride (F) - Direct	0.4	mg/L
24	I320	Hardness, Total (as CaCO3)	530	mg/L
25	G130W	CHLORINATED HERBICIDES 2,4,5-TP (Silvex)	< 0.05	ug/L
27	R03W	Gross Alpha and Beta		
		Gross Alpha	< 7	pCi/L
		Gross Beta	8.5 +/- 3.6	pCi/L

COMMENTS:

HALLIBURTON NUS
Environmental Laboratories

5350 Campbells Run Road
Pittsburgh, PA 15205
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Cleveland, OH 44130
216-891-4700

March 19, 1992
Report No.: 00006494
Section A Page 16

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

Carbon Copy:

SAMPLE ID: TCC-SWB1-W-0002
NUS SAMPLE NO: P0189227
P.O. NO.:

DATE SAMPLED: 08-FEB-92
DATE RECEIVED: 11-FEB-92
APPROVED BY: R Volk

Pkg 6

LN	TEST CODE	DETERMINATION	RESULT	UNITS
3	ACLPW	TAL METALS & CLP DATA PACKAGE	DONE	
4	I023	Alkalinity, Total (as CaCO3)	450	mg/L
5	I120	COD(O2)	32	mg/L
6	I130	Chloride (Cl)	150 J	mg/L
7	I590	Solids, Dissolved at 180C	720	mg/L
8	I390	Nitrate (as N)	1.3	mg/L
11	I810	Solids, Suspended at 103C	85	mg/L
13	I106	Carbon, Organic - Nonpurgeable	8	mg/L
16	OSVIXW	APPENDIX IX SEMIVOLATILES IN WATER		
		Data Package - BNA	DONE	
18	G120WC	PESTICIDES/PCBS + CLP DATA PACKAGE - WATER		
		Data Package - Pesticides/PCBs	DONE	
19	I265WC	CLP - Cyanide (CN)	10 u	ug/L
20	DPACK	CLP Data Package Deliverable	DONE	
21	OVIXW	APPENDIX IX VOLATILES IN WATER		
		Data Package - VOA	DONE	
23	I300	Fluoride (F) - Direct	0.4	mg/L
24	I320	Hardness, Total (as CaCO3)	530	mg/L
25	G130W	CHLORINATED HERBICIDES		
		2,4,5-TP (Silvex)	< 0.05	ug/L
27	R03W	Gross Alpha and Beta		
		Gross Alpha	< 7	pCi/L
		Gross Beta	8.5 +/- 3.6	pCi/L

COMMENTS:

CLIENT ORIGINAL

HALLIBURTON NUS
Environmental Laboratories

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Pittsburgh, PA 15205
800-228-6870

6751-L Engle Road
Cleveland, OH 44130
216-891-4700

March 19, 1992
Report No.: 00006494
Section A Page 9

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

Carbon Copy:

SAMPLE ID: TCC-SWB2-W-0002
NUS SAMPLE NO: P0189222
P.O. NO.:

DATE SAMPLED: 08-FEB-92
DATE RECEIVED: 11-FEB-92
APPROVED BY: R Volk

pkg 6

LN	TEST CODE	DETERMINATION	RESULT	UNITS
3	ACLPW	TAL METALS & CLP DATA PACKAGE	DONE	
4	I023	Alkalinity, Total (as CaCO3)	270	mg/L
5	I120	COD(O2)	14	mg/L
6	I130	Chloride (Cl)	880 J	mg/L
7	I590	Solids, Dissolved at 180C	1900	mg/L
8	I390	Nitrate (as N)	0.2	mg/L
11	I610	Solids, Suspended at 103C	11	mg/L
13	I106	Carbon, Organic - Nonpurgeable	7	mg/L
15	OSVIXW	APPENDIX IX SEMIVOLATILES IN WATER		
		Data Package - BN4	DONE	
18	G120WC	PESTICIDES/PCBS + CLP DATA PACKAGE - WATER		
		Data Package - Pesticides/PCBs	DONE	
19	I265WC	CLP - Cyanide (CN)	10 u	mg/L
20	DPACK	CLP Data Package Deliverable	DONE	
21	OVIXW	APPENDIX IX VOLATILES IN WATER		
		Data Package - VOA	DONE	
23	I300	Fluoride (F) - Direct	0.3	mg/L
24	I320	Hardness, Total (as CaCO3)	540	mg/L
25	G130W	CHLORINATED HERBICIDES		
		2,4,5-TP (Silvex)	< 0.05	ug/L
27	R03W	Gross Alpha and Beta		
		Gross Alpha	< 14	pCi/L
		Gross Beta	< 13	pCi/L

COMMENTS:

CLIENT ORIGINAL

HALLIBURTON NUS
Environmental Laboratories

5350 Campbells Run Road
Pittsburgh, PA 15205
800-228-6870

6751-L Engle Road
Cleveland, OH 44130
216-891-4700

March 19, 1992
Report No.: 00006494
Section A Page 9

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

Carbon Copy:

SAMPLE ID: TCC-SWB2-W-0002
NUS SAMPLE NO: P0189222
P.O. NO.:

DATE SAMPLED: 08-FEB-92
DATE RECEIVED: 11-FEB-92
APPROVED BY: R Volk

pkg 6

LN	TEST CODE	DETERMINATION	RESULT	UNITS
3	ACLPW	TAL METALS & CLP DATA PACKAGE	DONE	
4	I023	Alkalinity, Total (as CaCO3)	270	mg/L
5	I120	COD(O2)	14	mg/L
6	I130	Chloride (Cl)	880 J	mg/L
7	I590	Solids, Dissolved at 180C	1900	mg/L
8	I390	Nitrate (as N)	0.2	mg/L
11	I610	Solids, Suspended at 103C	11	mg/L
13	I106	Carbon, Organic - Nonpurgeable	7	mg/L
15	OSVIXW	APPENDIX IX SEMIVOLATILES IN WATER		
		Data Package - BN4	DONE	
18	G120WC	PESTICIDES/PCBS + CLP DATA PACKAGE - WATER		
		Data Package - Pesticides/PCBS	DONE	
19	I265WC	CLP - Cyanide (CN)	10 u	mg/L
20	DPACK	CLP Data Package Deliverable	DONE	
21	OVIXW	APPENDIX IX VOLATILES IN WATER		
		Data Package - VOA	DONE	
23	I300	Fluoride (F) - Direct	0.3	mg/L
24	I320	Hardness, Total (as CaCO3)	540	mg/L
25	G130W	CHLORINATED HERBICIDES		
		2,4,5-TP (Silvex)	< 0.05	ug/L
27	R03W	Gross Alpha and Beta		
		Gross Alpha	< 14	pCi/L
		Gross Beta	< 13	pCi/L

COMMENTS:

STANLEY ENGINEERING, INC.

ALPHA ANALYTICAL LABORATORIES

2700 N.W. 39th Street
Okla. City, Okla. 73112
(405)948-6505
1 800 - 752 - 4830

CLIENT & CUSTODY

Client	HALLIBURTON NUS CORPORATION		
Purchase Order:	#92-99784-40402		
Requested By:	LINDA FRAME		
Collected By:	LINDA FRAME & JAMES HILL	Date:	2/4/92
Delivered By:	LINDA FRAME & JAMES HILL	Date:	2/4/92
Received By:	ABBY MILLIRON	Date:	2/4/92
Custody Established (yes or no):	YES		

ANALYTICAL RESULTS

Laboratory Number	Client Sample Number	Analysis Requested (Parameter)	Results (mg/l)*	METHOD
920183	TKC-SW01-C-0002	BOD5	<0.1	EPA 405.1
		MBAS	0.0323	EPA 425.1
		Turbidity	8 NTU	Hach DR 3000
920184	TKC-SW01-W-0002	BOD5	<0.1	EPA 405.1
		MBAS	0.0373	EPA 425.1
		Turbidity	16 NTU	Hach DR 3000
		BOD5 incubated 2/5/92		
		BOD5 read 2/10/92		
		BOD5 on dilution water: 0.3 mg/L		

* *Results are reported in milligrams per liter unless otherwise stated.*

RESULTS REVIEW & APPROVAL

Chemist of Record:	Hart, Deras, Kumar	By:	JAH
Date:	18-Feb-92	Time	VARIOUS

CERTIFICATION NUMBER 8417

STANLEY ENGINEERING, INC.

ALPHA ANALYTICAL LABORATORIES

2700 N.W. 39th Street
Okla. City, Okla. 73112
(405)948-6505
1 800 - 752 - 4830

CLIENT & CUSTODY

Client	HALLIBURTON NUS CORPORATION		
Purchase Order:	#92-99784-40402		
Requested By:	LINDA FRAME		
Collected By:	LINDA FRAME & JAMES HILL	Date:	2/4/92
Delivered By:	LINDA FRAME & JAMES HILL	Date:	2/4/92
Received By:	ABBY MILLIRON	Date:	2/4/92
Custody Established (yes or no):	YES		

ANALYTICAL RESULTS

Laboratory Number	Client Sample Number	Analysis Requested (Parameter)	Results (mg/l)*	METHOD
920183	TKC-SW01-C-0002	BOD5	<0.1	EPA 405.1
		MBAS	0.0323	EPA 425.1
		Turbidity	8 NTU	Hach DR 3000
920184	TKC-SW01-W-0002	BOD5	<0.1	EPA 405.1
		MBAS	0.0373	EPA 425.1
		Turbidity	16 NTU	Hach DR 3000

BOD5 incubated 2/5/92
BOD5 read 2/10/92
BOD5 on dilution water: 0.3 mg/L

* *Results are reported in milligrams per liter unless otherwise stated.*

RESULTS REVIEW & APPROVAL

Chemist of Record:	Hart, Deras, Kumar	By:	JAH
Date:	18-Feb-92	Time	VARIOUS

CERTIFICATION NUMBER 8417

STANLEY ENGINEERING, INC.

ALPHA ANALYTICAL LABORATORIES

2700 N.W. 39th Street
Okla. City, Okla. 73112
(405)948-6505

CLIENT & CUSTODY

1 800 - 752 - 4830

Client	HALLIBURTON NUS CORPORATION		
Purchase Order:	#92-99784-40402		
Requested By:	LINDA FRAME		
Collected By:	LINDA FRAME & JAMES HILL	Date:	2/5/92
Delivered By:	LINDA HILL	Date:	2/5/92
Received By:	NANCY BUTLER	Date:	2/5/92
Custody Established (yes or no):	YES		

ANALYTICAL RESULTS

Laboratory Number	Client Sample Number	Analysis Requested (Parameter)	Results (mg/l)*	METHOD
920188	TCC-SW15-W-0002	BOD5 Turbidity	<0.1 ✓ 4 NTU	EPA 405.1 Hach DR 3000
920189	TCC-SW06-W-0002	BOD5 MBAS Turbidity	<0.1 ✓ 0.031 16 NTU	EPA 405.1 EPA 425.1 Hach DR 3000

BOD5 incubated 2/5/92
BOD5 read 2/10/92
BOD5 on dilution water: 0.3 mg/L

* *Results are reported in milligrams per liter unless otherwise stated.*

RESULTS REVIEW & APPROVAL

Chemist of Record:	Hart, Deras, Kumar	By:	JAH [illegible] KM
Date:	18-Feb-92	Time	VARIOUS

CERTIFICATION NUMBER 8417

STANLEY ENGINEERING, INC.

ALPHA ANALYTICAL LABORATORIES

2700 N.W. 39th Street
Okla. City, Okla. 73112
(405)948-6505

CLIENT & CUSTODY

1 800 - 752 - 4830

Client	HALLIBURTON NUS CORPORATION		
Purchase Order:	#92-99784-40402		
Requested By:	LINDA FRAME		
Collected By:	LINDA FRAME & JAMES HILL	Date:	2/5/92
Delivered By:	LINDA HILL	Date:	2/5/92
Received By:	NANCY BUTLER	Date:	2/5/92
Custody Established (yes or no):	YES		

ANALYTICAL RESULTS

Laboratory Number	Client Sample Number	Analysis Requested (Parameter)	Results (mg/l)*	METHOD
920188	TCC-SW15-W-0002	BOD5 Turbidity	<0.1 W 4 NTU	EPA 405.1 Hach DR 3000
920189	TCC-SW06-W-0002	BOD5 MBAS Turbidity	<0.1 W 0.031 16 NTU	EPA 405.1 EPA 425.1 Hach DR 3000
		BOD5 incubated 2/5/92 BOD5 read 2/10/92 BOD5 on dilution water: 0.3 mg/L		

* *Results are reported in milligrams per liter unless otherwise stated.*

RESULTS REVIEW & APPROVAL

Chemist of Record:	Hart, Deras, Kumar	By:	JAH [illegible]
Date:	18-Feb-92	Time	VARIOUS

CERTIFICATION NUMBER 8417

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ALPHA ANALYTICAL LABORATORIES

2700 N.W. 39th Street
Okla. City, Okla. 73112
(405)948-6505

CLIENT & CUSTODY

1 800 - 752 - 4830

Client	HALLIBURTON NUS CORPORATION		
Purchase Order:	#92-99784-40402		
Requested By:	LINDA FRAME		
Collected By:	LINDA FRAME & JAMES HILL	Date:	2/6/92
Delivered By:	JAMES HILL	Date:	2/7/92
Received By:	ABBY MILLIRON	Date:	2/7/92
Custody Established (yes or no):	YES		

ANALYTICAL RESULTS

Laboratory Number	Client Sample Number	Analysis Requested (Parameter)	Results (mg/l)*	METHOD
920193	TCC-SW11-W-0002	BOD5 Turbidity	1.2 J 36 NTU	EPA 405.1 Hach DR 3000
920194	TCC-SW05-C-0002	BOD5 Turbidity	<0.1 UJ 4 NTU	EPA 405.1 Hach DR 3000
920195	TCC-SW05-W-0002	BOD5 Turbidity	<0.1 UJ 16 NTU	EPA 405.1 Hach DR 3000
		BOD5 incubated 2/7/92 BOD5 read 2/12/92 BOD5 on dilution water: 0.3 mg/L		

* *Results are reported in milligrams per liter unless otherwise stated.*

RESULTS REVIEW & APPROVAL

Chemist of Record:	Hart, Deras, Kumar	By:	JAH PN KJ
Date:	18-Feb-92	Time	VARIOUS

CERTIFICATION NUMBER 8417

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ALPHA ANALYTICAL LABORATORIES

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Okla. City, Okla. 73112
(405)948-6505
1 800 - 752 - 4830

CLIENT & CUSTODY

Client	HALLIBURTON NUS CORPORATION		
Purchase Order:	#92-99784-40402		
Requested By:	LINDA FRAME		
Collected By:	LINDA FRAME & JAMES HILL	Date:	2/6/92
Delivered By:	JAMES HILL	Date:	2/7/92
Received By:	ABBY MILLIRON	Date:	2/7/92
Custody Established (yes or no):	YES		

ANALYTICAL RESULTS

Laboratory Number	Client Sample Number	Analysis Requested (Parameter)	Results (mg/l)*	METHOD
920193	TCC-SW11-W-0002	BOD5 Turbidity	1.2 J 36 NTU	EPA 405.1 Hach DR 3000
920194	TCC-SW05-C-0002	BOD5 Turbidity	<0.1 UJ 4 NTU	EPA 405.1 Hach DR 3000
920195	TCC-SW05-W-0002	BOD5 Turbidity	<0.1 UJ 16 NTU	EPA 405.1 Hach DR 3000

BOD5 incubated 2/7/92
BOD5 read 2/12/92
BOD5 on dilution water: 0.3 mg/L

* *Results are reported in milligrams per liter unless otherwise stated.*

RESULTS REVIEW & APPROVAL

Chemist of Record:	Hart, Deras, Kumar	By:	JAH PK KJ
Date:	18-Feb-92	Time	VARIOUS

CERTIFICATION NUMBER 8417

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ALPHA ANALYTICAL LABORATORIES

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Okla. City, Okla. 73112
(405)948-6505
1 800 - 752 - 4830

CLIENT & CUSTODY

Client	HALLIBURTON NUS CORPORATION		
Purchase Order:	#92-99784-40402		
Requested By:	LINDA FRAME		
Collected By:	LINDA FRAME & JAMES HILL	Date:	2/5/92
Delivered By:	LINDA FRAME	Date:	2/6/92
Received By:	ABBY MILLIRON	Date:	2/6/92
Custody Established (yes or no):	YES		

ANALYTICAL RESULTS

Laboratory Number	Client Sample Number	Analysis Requested (Parameter)	Results (mg/l)*	METHOD
920192	TCC-SW17A-W-0002	BOD5 Turbidity	<0.1 UJ 86 NTU	EPA 405.1 Hach DR 3000

BOD5 incubated 2/7/92 @ 1630
BOD5 read 2/21/92 @ 1010
BOD5 on dilution water: 0.3 mg/L

* *Results are reported in milligrams per liter unless otherwise stated.*

RESULTS REVIEW & APPROVAL

Chemist of Record:	Hart, Deras, Kumar	By:	JAH
Date:	18-Feb-92	Time	VARIOUS

CERTIFICATION NUMBER 8417

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2700 N.W. 39th Street
Okla. City, Okla. 73112
(405)948-6505

CLIENT & CUSTODY

1 800 - 752 - 4830

Client	HALLIBURTON NUS CORPORATION		
Purchase Order:	#92-99784-40402		
Requested By:	LINDA FRAME		
Collected By:	LINDA FRAME & JAMES HILL	Date:	2/5/92
Delivered By:	LINDA FRAME	Date:	2/6/92
Received By:	ABBY MILLIRON	Date:	2/6/92
Custody Established (yes or no):	YES		

ANALYTICAL RESULTS

Laboratory Number	Client Sample Number	Analysis Requested (Parameter)	Results (mg/l)*	METHOD
920192	TCC-SW17A-W-0002	BOD5 Turbidity	<0.1 U 86 NTU	EPA 405.1 Hach DR 3000

BOD5 incubated 2/7/92 @ 1630
BOD5 read 2/21/92 @ 1010
BOD5 on dilution water: 0.3 mg/L

* *Results are reported in milligrams per liter unless otherwise stated.*

RESULTS REVIEW & APPROVAL

Chemist of Record:	Hart, Deras, Kumar	By:	JAH DD KD
Date:	18-Feb-92	Time	VARIOUS

CERTIFICATION NUMBER 8417

STANLEY ENGINEERING, INC.

ALPHA ANALYTICAL LABORATORIES

2700 N.W. 39th Street
Okla. City, Okla. 73112
(405)948-6505
1 800 - 752 - 4830

CLIENT & CUSTODY

Client	HALLIBURTON NUS CORPORATION		
Purchase Order:	#92-99784-40402		
Requested By:	LINDA FRAME		
Collected By:	LINDA FRAME & JAMES HILL	Date:	2/8/92
Delivered By:	LINDA FRAME	Date:	2/9/92
Received By:	ABBY MILLIRON	Date:	2/9/92
Custody Established (yes or no):	YES		

ANALYTICAL RESULTS

Laboratory Number	Client Sample Number	Analysis Requested (Parameter)	Results (mg/l)*	METHOD
920198	TCC-SWB1-W-0002	BOD5 MBAS Turbidity	2.2 J 0.015 17 NTU	EPA 405.1 EPA 425.1 Hach DR 3000
920199	TCC-SWB2-W-0002	BOD5 MBAS Turbidity	2 J 0.035 9 NTU	EPA 405.1 EPA 425.1 Hach DR 3000
920200	TEC-SW22-W-0002	BOD5 MBAS Turbidity	0.15 J 0.0683 32 NTU	EPA 405.1 EPA 425.1 Hach DR 3000

BOD5 incubated: 2/10/92 @ 1300
BOD5 read 2/15/92 @ 1315
BOD5 on dilution water: 0.3 mg/L

* *Results are reported in milligrams per liter unless otherwise stated.*

RESULTS REVIEW & APPROVAL

Chemist of Record:	Hart, Deras, Kumar	By:	JAH
Date:	18-Feb-92	Time	VARIOUS

CERTIFICATION NUMBER 8417

STANLEY ENGINEERING, INC.

ALPHA ANALYTICAL LABORATORIES

2700 N.W. 39th Street
Okla. City, Okla. 73112
(405)948-6505
1 800 - 752 - 4830

CLIENT & CUSTODY

Client	HALLIBURTON NUS CORPORATION		
Purchase Order:	#92-99784-40402		
Requested By:	LINDA FRAME		
Collected By:	LINDA FRAME & JAMES HILL	Date:	2/8/92
Delivered By:	LINDA FRAME	Date:	2/9/92
Received By:	ABBY MILLIRON	Date:	2/9/92
Custody Established (yes or no):	YES		

ANALYTICAL RESULTS

Laboratory Number	Client Sample Number	Analysis Requested (Parameter)	Results (mg/l)*	METHOD
920198	TCC-SWB1-W-0002	BOD5	2.2 J	EPA 405.1
		MBAS	0.015	EPA 425.1
		Turbidity	17 NTU	Hach DR 3000
920199	TCC-SWB2-W-0002	BOD5	2 J	EPA 405.1
		MBAS	0.035	EPA 425.1
		Turbidity	9 NTU	Hach DR 3000
920200	TEC-SW22-W-0002	BOD5	0.15 J	EPA 405.1
		MBAS	0.0683	EPA 425.1
		Turbidity	32 NTU	Hach DR 3000

BOD5 incubated: 2/10/92 @ 1300
BOD5 read 2/15/92 @ 1315
BOD5 on dilution water: 0.3 mg/L

* *Results are reported in milligrams per liter unless otherwise stated.*

RESULTS REVIEW & APPROVAL

Chemist of Record:	Hart, Deras, Kumar	By:	JAH
Date:	18-Feb-92	Time	VARIOUS

CERTIFICATION NUMBER 8417

STANLEY ENGINEERING, INC.

ALPHA ANALYTICAL LABORATORIES

2700 N.W. 39th Street
Okla. City, Okla. 73112
(405)948-6505
1 800 - 752 - 4830

CLIENT & CUSTODY

Client	HALLIBURTON NUS CORPORATION		
Purchase Order:	#92-99784-40402		
Requested By:	LINDA FRAME		
Collected By:	LINDA FRAME & JAMES HILL	Date:	2/8/92
Delivered By:	LINDA FRAME	Date:	2/9/92
Received By:	ABBY MILLIRON	Date:	2/9/92
Custody Established (yes or no):	YES		

ANALYTICAL RESULTS

Laboratory Number	Client Sample Number	Analysis Requested (Parameter)	Results (mg/l)*	METHOD
920201	TCC-SW20-E-0002	BOD5 Turbidity	1.4 J 40 NTU	EPA 405.1 Hach DR 3000
920202	TEW-SW24-W-0002	BOD5 MBAS Turbidity	0.2 J 0.0143 21 NTU	EPA 405.1 EPA 425.1 Hach DR 3000

BOD5 incubated: 2/10/92 @ 1300
BOD5 read 2/15/92 @ 1315
BOD5 on dilution water: 0.3 mg/L

* *Results are reported in milligrams per liter unless otherwise stated.*

RESULTS REVIEW & APPROVAL

Chemist of Record:	Hart, Deras, Kumar	By:	JAH [illegible]
Date:	18-Feb-92	Time	VARIOUS

CERTIFICATION NUMBER 8417

STANLEY ENGINEERING, INC.

ALPHA ANALYTICAL LABORATORIES

2700 N.W. 39th Street
Okla. City, Okla. 73112
(405)948-6505
1 800 - 752 - 4830

CLIENT & CUSTODY

Client	HALLIBURTON NUS CORPORATION		
Purchase Order:	#92-99784-40402		
Requested By:	LINDA FRAME		
Collected By:	LINDA FRAME & JAMES HILL	Date:	2/8/92
Delivered By:	LINDA FRAME	Date:	2/9/92
Received By:	ABBY MILLIRON	Date:	2/9/92
Custody Established (yes or no):	YES		

ANALYTICAL RESULTS

Laboratory Number	Client Sample Number	Analysis Requested (Parameter)	Results (mg/l)*	METHOD
920201	TCC-SW20-E-0002	BOD5 Turbidity	1.4 J 40 NTU	EPA 405.1 Hach DR 3000
920202	TEW-SW24-W-0002	BOD5 MBAS Turbidity	0.2 J 0.0143 21 NTU	EPA 405.1 EPA 425.1 Hach DR 3000

BOD5 incubated: 2/10/92 @ 1300
BOD5 read 2/15/92 @ 1315
BOD5 on dilution water: 0.3 mg/L

* *Results are reported in milligrams per liter unless otherwise stated.*

RESULTS REVIEW & APPROVAL

Chemist of Record:	Hart, Deras, Kumar	By:	JAH KD KD
Date:	18-Feb-92	Time	VARIOUS

CERTIFICATION NUMBER 8417

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INORGANICS IN SURFACE WATER - MAY 1992

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INORGANICS IN SURFACE WATER - MAY 1992

U.S. EPA - CLP

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

P198729

Lab Name: HALLIBURTON_NUS_____ Contract: _____

Lab Code: HNUS__ Case No.: TNK8_ SAS No.: _____ SDG No.: PKG8__

Matrix (soil/water): WATER Lab Sample ID: P198729___

Level (low/med): LOW__ Date Received: 05/08/92

% Solids: ____0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_				NR
7440-36-0	Antimony_	9.0	U		F_
7440-38-2	Arsenic__	1.5	~~B~~		F_
7440-39-3	Barium___	380			P_
7440-41-7	Beryllium	1.0	U		P_
7440-43-9	Cadmium__	5.0	~~B~~	UWJ	P_
7440-70-2	Calcium__				NR
7440-47-3	Chromium_	9.0	~~B~~	UWJ	P_
7440-48-4	Cobalt___	7.0	U		P_
7440-50-8	Copper___	3.0	U		P_
7439-89-6	Iron_____				NR
7439-92-1	Lead_____	2.0	~~B~~	~~*~~ UW	F_
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury__	0.20	U	~~M~~	CV
7440-02-0	Nickel___	20.0	U		P_
7440-09-7	Potassium				NR
7782-49-2	Selenium_	2.0	~~B~~	UWJ	F_
7440-22-4	Silver___	5.0	U		P_
7440-23-5	Sodium___				NR
7440-28-0	Thallium_	1.0	~~B~~	~~M~~ UWJ	F_
7440-62-2	Vanadium_	6.0	U		P_
7440-66-6	Zinc_____	5.0	~~B~~	J	P_
5955-70-0	Cyanide__	10.0	U		C_

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

TKC-SW01-W-0003

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

P198729

Lab Name: HALLIBURTON_NUS_____ Contract: _____

Lab Code: HNUS__ Case No.: TNK8_ SAS No.: _____ SDG No.: PKG8__

Matrix (soil/water): WATER Lab Sample ID: P198729___

Level (low/med): LOW__ Date Received: 05/08/92

% Solids: ____0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_				NR
7440-36-0	Antimony_	9.0	U		F_
7440-38-2	Arsenic__	1.5	B		F_
7440-39-3	Barium___	380			P_
7440-41-7	Beryllium	1.0	U		P_
7440-43-9	Cadmium__	5.0	U	UJ	P_
7440-70-2	Calcium__				NR
7440-47-3	Chromium_	9.0	U	UJ	P_
7440-48-4	Cobalt___	7.0	U		P_
7440-50-8	Copper___	3.0	U		P_
7439-89-6	Iron_____				NR
7439-92-1	Lead_____	2.0	B	* UJ	F_
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury__	0.20	U	N	CV
7440-02-0	Nickel___	20.0	U		P_
7440-09-7	Potassium				NR
7782-49-2	Selenium_	2.0	U	UJ	F_
7440-22-4	Silver___	5.0	U		P_
7440-23-5	Sodium___				NR
7440-28-0	Thallium_	1.0	U	N UJ	F_
7440-62-2	Vanadium_	6.0	U		P_
7440-66-6	Zinc_____	5.0	B	J	P_
5955-70-0	Cyanide__	10.0	U		C_

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:
TKC-SW01-W-0003

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE

P198725

Lab Name: HALLIBURTON_NUS Contract: _____

Lab Code: HNUS Case No.: TNKB SAS No.: _____ SDG No.: PK68

Matrix (soil/water): WATER Lab Sample ID: P198725

Level (low/med): LOW Date Received: 05/08/92

% Solids: 0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	9.0	U	~~U~~	F
7440-38-2	Arsenic	2.5	~~U~~		F
7440-39-3	Barium	859			P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	5.0	~~U~~	UJ	P
7440-70-2	Calcium				NR
7440-47-3	Chromium	9.0	~~U~~	UJ	P
7440-48-4	Cobalt	7.0	U		P
7440-50-8	Copper	3.0	U		P
7439-89-6	Iron				NR
7439-92-1	Lead	1.6	~~U~~	~~UJ~~ UJ	F
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.20	U	~~U~~	CV
7440-02-0	Nickel	20.0	U		P
7440-09-7	Potassium				NR
7782-49-2	Selenium	2.0	~~U~~	UJ	F
7440-22-4	Silver	5.0	U		P
7440-23-5	Sodium				NR
7440-28-0	Thallium	1.0	~~U~~	~~U~~ UJ	F
7440-62-2	Vanadium	6.0	U		P
7440-66-6	Zinc	5.0	U		P
5985-70-0	Cyanide	10.0	U		C

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:

TCC-SW06-W-0003 FIELD DUPLICATE OF TCC-SW06-C-0003.

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE

P198725

Lab Name: HALLIBURTON_NUS Contract: _____

Lab Code: HNUS Case No.: TNK8 SAS No.: _____ SDG No.: PK68

Matrix (soil/water): WATER Lab Sample ID: P198725

Level (low/med): LOW Date Received: 05/08/92

% Solids: 0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	9.0	U		F
7440-38-2	Arsenic	2.5	B		F
7440-39-3	Barium	859			P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	5.0	U	UJ	P
7440-70-2	Calcium				NR
7440-47-3	Chromium	9.0	U	UJ	P
7440-48-4	Cobalt	7.0	U		P
7440-50-8	Copper	3.0	U		P
7439-89-6	Iron				NR
7439-92-1	Lead	1.6	B	UJ	F
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	20.0	U		P
7440-09-7	Potassium				NR
7782-49-2	Selenium	2.0	U	UJ	F
7440-22-4	Silver	5.0	U		P
7440-23-5	Sodium				NR
7440-28-0	Thallium	1.0	U	UJ	F
7440-62-2	Vanadium	6.0	U		P
7440-66-6	Zinc	5.0	U		P
57125-70-0	Cyanide	10.0	U		C

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:

TCC-SW06-W-0003 FIELD DUPLICATE OF TCC-SW06-W-0003.

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

P198731

Lab Name: HALLIBURTON_NUS Contract: _____

Lab Code: HNUS Case No.: TNK8 SAS No.: _____ SDG No.: PKG8

Matrix (soil/water): WATER Lab Sample ID: P198731

Level (low/med): LOW Date Received: 05/08/92

% Solids: 0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	9.0	U		F
7440-38-2	Arsenic	1.8	B		F
7440-39-3	Barium	850			P
7440-41-7	Beryllium	2.0	B	U	P
7440-43-9	Cadmium	6.0		U	P
7440-70-2	Calcium				NR
7440-47-3	Chromium	9.0	U	UJ	P
7440-48-4	Cobalt	7.0	U		P
7440-50-8	Copper	6.0	B		P
7439-89-6	Iron				NR
7439-92-1	Lead	1.1	B	UJ U	F
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.20	U	X	CV
7440-02-0	Nickel	20.0	U		P
7440-09-7	Potassium				NR
7782-49-2	Selenium	2.0	U	UJ	F
7440-22-4	Silver	5.0	B	U	P
7440-23-5	Sodium				NR
7440-28-0	Thallium	1.0	U	UR UJ	F
7440-62-2	Vanadium	7.0	B		P
7440-66-6	Zinc	8.0	B	J	P
5955-70-0	Cyanide	10.0	U		C

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:

TCC-SW06-C-0003 FIELD DUPLICATE OF TCC-SW06-W-0003.

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

P198731

Lab Name: HALLIBURTON_NUS Contract: _____

Lab Code: HNUS Case No.: TNKB SAS No.: _____ SDG No.: PKGB

Matrix (soil/water): WATER Lab Sample ID: P198731

Level (low/med): LOW Date Received: 05/08/92

% Solids: 0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	9.0	U		F
7440-38-2	Arsenic	1.8	B		F
7440-39-3	Barium	850			P
7440-41-7	Beryllium	2.0	B	U	P
7440-43-9	Cadmium	6.0		U	P
7440-70-2	Calcium				NR
7440-47-3	Chromium	9.0	U	UJ	P
7440-48-4	Cobalt	7.0	U		P
7440-50-8	Copper	6.0	B		P
7439-89-6	Iron				NR
7439-92-1	Lead	1.1	B	UJ	F
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	20.0	U		P
7440-09-7	Potassium				NR
7782-49-2	Selenium	2.0	U	UJ	F
7440-22-4	Silver	5.0	B	U	P
7440-23-5	Sodium				NR
7440-28-0	Thallium	1.0	U	UJ	F
7440-62-2	Vanadium	7.0	B		P
7440-66-6	Zinc	8.0	B	J	P
57055-70-0	Cyanide	10.0	U		C

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:
TCC-SW06-C-0003 FIELD DUPLICATE OF TCC-SW06-W-0003.

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE

P198821

Lab Name: HALLIBURTON_NUS_____ Contract: _____

Lab Code: HNUS__ Case No.: TNK8_ SAS No.: _____ SDG No.: PKG8__

Matrix (soil/water): WATER Lab Sample ID: P198821___

Level (low/med): LOW__ Date Received: 05/09/92

% Solids: ____0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_				NR
7440-36-0	Antimony_	9.0	U		F_
7440-38-2	Arsenic__	1.7	B		F_
7440-39-3	Barium___	1040			P_
7440-41-7	Beryllium	1.0	U		P_
7440-43-9	Cadmium__	5.0	U	WJ	P_
7440-70-2	Calcium__				NR
7440-47-3	Chromium_	9.0	U	WJ	P_
7440-48-4	Cobalt___	7.0	U		P_
7440-50-8	Copper___	3.0	B		P_
7439-89-6	Iron_____				NR
7439-92-1	Lead_____	3.1		* WJ	F_
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury__	0.20	U	N	CV
7440-02-0	Nickel___	20.0	U		P_
7440-09-7	Potassium				NR
7782-49-2	Selenium_	2.0	U	WJ	F_
7440-22-4	Silver___	5.0	U		P_
7440-23-5	Sodium___				NR
7440-28-0	Thallium_	1.0	U	WN WJ	F_
7440-62-2	Vanadium_	6.0	U		P_
7440-66-6	Zinc_____	11.0	B	J	P_
5955-70-0	Cyanide__				NR

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:
TCC-SW15-W-0003

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE

P198821

Lab Name: HALLIBURTON_NUS Contract: _____

Lab Code: HNUS Case No.: TNK8 SAS No.: _____ SDG No.: PKG8

Matrix (soil/water): WATER Lab Sample ID: P198821

Level (low/med): LOW Date Received: 05/09/92

% Solids: 0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	9.0	U		F
7440-38-2	Arsenic	1.7	B		F
7440-39-3	Barium	1040			P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	5.0	U	WJ	P
7440-70-2	Calcium				NR
7440-47-3	Chromium	9.0	U	WJ	P
7440-48-4	Cobalt	7.0	U		P
7440-50-8	Copper	3.0	B		P
7439-89-6	Iron				NR
7439-92-1	Lead	3.1		* W	F
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.20	U	A	CV
7440-02-0	Nickel	20.0	U		P
7440-09-7	Potassium				NR
7782-49-2	Selenium	2.0	U	WJ	F
7440-22-4	Silver	5.0	U		P
7440-23-5	Sodium				NR
7440-28-0	Thallium	1.0	U	WN WJ	F
7440-62-2	Vanadium	6.0	U		P
7440-66-6	Zinc	11.0	B	J	P
5955-70-0	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:

TCC-SW15-W-0003

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

P198820

Lab Name: HALLIBURTON_NUS Contract: _____

Lab Code: HNUS Case No.: TNK8 SAS No.: _____ SDG No.: PKG8

Matrix (soil/water): WATER Lab Sample ID: P198820

Level (low/med): LOW Date Received: 05/09/92

% Solids: 0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	9.0	U		F
7440-38-2	Arsenic	1.0	U		F
7440-39-3	Barium	435			P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	5.0	U	UJ	P
7440-70-2	Calcium				NR
7440-47-3	Chromium	9.0	U	UJ	P
7440-48-4	Cobalt	7.0	U		P
7440-50-8	Copper	3.0	U		P
7439-89-6	Iron				NR
7439-92-1	Lead	5.6		UL	F
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	20.0	U		P
7440-09-7	Potassium				NR
7782-49-2	Selenium	2.0	U	UJ	F
7440-22-4	Silver	5.0	U		P
7440-23-5	Sodium				NR
7440-28-0	Thallium	1.0	U	UJ	F
7440-62-2	Vanadium	10.0	B		P
7440-66-6	Zinc	8.0	B	J	P
5955-70-0	Cyanide	10.0	U		C

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:

TEC-SW22A-W-0003

FORM I - IN

7/88

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

P198820

Lab Name: HALLIBURTON_NUS Contract: _____

Lab Code: HNUS Case No.: TNK8 SAS No.: _____ SDG No.: PKG8

Matrix (soil/water): WATER Lab Sample ID: P198820

Level (low/med): LOW Date Received: 05/09/92

% Solids: 0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	9.0	U		F
7440-38-2	Arsenic	1.0	U		F
7440-39-3	Barium	435			P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	5.0	U	UJ	P
7440-70-2	Calcium				NR
7440-47-3	Chromium	9.0	U	UJ	P
7440-48-4	Cobalt	7.0	U		P
7440-50-8	Copper	3.0	U		P
7439-89-6	Iron				NR
7439-92-1	Lead	5.6		UJ	F
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	20.0	U		P
7440-09-7	Potassium				NR
7782-49-2	Selenium	2.0	U	UJ	F
7440-22-4	Silver	5.0	U		P
7440-23-5	Sodium				NR
7440-28-0	Thallium	1.0	U	UJ	F
7440-62-2	Vanadium	10.0	B		P
7440-66-6	Zinc	8.0	B	J	P
5955-70-0	Cyanide	10.0	U		C

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:
TEC-SW22A-W-0003

E-22

SEMIVOLATILE ORGANICS COMPOUNDS IN SURFACE WATER - MAY 1992

E-22

SEMIVOLATILE ORGANICS COMPOUNDS IN SURFACE WATER - MAY 1992

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO

TKCSW01W0003

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG8

Matrix: (soil/water) WATER Lab Sample ID: P198729

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP05199204

Level: (low/med) LOW Date Received: 05/07/92

% Moisture: not dec. ____ dec. ____ Date Extracted: 05/12/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 05/19/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
62-75-9	N-NITROSODIMETHYLAMINE	10	U
108-95-2	PHENOL	10	U
62-53-3	ANILINE	10	U
111-44-4	BIS(2-CHLOROETHYL)ETHER	10	U
95-57-8	2-CHLOROPHENOL	10	U
541-73-1	1,3-DICHLOROBENZENE	10	U
106-46-7	1,4-DICHLOROBENZENE	10	U
100-51-6	BENZYL ALCOHOL	10	U
95-50-1	1,2-DICHLOROBENZENE	10	U
95-48-7	2-METHYLPHENOL	10	U
39638-32-9	BIS(2-CHLOROISOPROPYL)ETHER	10	U
106-44-5	4-METHYLPHENOL	10	U
621-64-7	N-NITROSO-DI-N-PROPYLAMINE	10	U
67-72-1	HEXACHLOROETHANE	10	U
98-95-3	NITROBENZENE	10	U
78-59-1	ISOPHORONE	10	U
88-75-5	2-NITROPHENOL	10	U
105-67-9	2,4-DIMETHYLPHENOL	10	U
111-91-1	BIS(2-CHLOROETHOXY)METHANE	10	U
120-83-2	2,4-DICHLOROPHENOL	10	U
120-82-1	1,2,4-TRICHLOROBENZENE	10	U
91-20-3	NAPHTHALENE	10	U
106-47-8	4-CHLOROANILINE	10	U
87-68-3	HEXACHLOROBUTADIENE	10	U
59-50-7	4-CHLORO-3-METHYLPHENOL	10	U
91-57-6	2-METHYLNAPHTHALENE	10	U
77-47-4	HEXACHLOROCYCLOPENTADIENE	10	U
88-06-2	2,4,6-TRICHLOROPHENOL	10	U
95-95-4	2,4,5-TRICHLOROPHENOL	50	U
91-58-7	2-CHLORONAPHTHALENE	10	U
88-74-4	2-NITROANILINE	50	U
131-11-3	DIMETHYLPHTHALATE	10	U
208-96-8	ACENAPHTHYLENE	10	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO

TKCSW01W0003

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG8

Matrix: (soil/water) WATER Lab Sample ID: P198729

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP05199204

Level: (low/med) LOW Date Received: 05/07/92

% Moisture: not dec. ____ dec. ____ Date Extracted: 05/12/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 05/19/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
62-75-9	N-NITROSODIMETHYLAMINE	10	U
108-95-2	PHENOL	10	U
62-53-3	ANILINE	10	U
111-44-4	BIS(2-CHLOROETHYL)ETHER	10	U
95-57-8	2-CHLOROPHENOL	10	U
541-73-1	1,3-DICHLOROBENZENE	10	U
106-46-7	1,4-DICHLOROBENZENE	10	U
100-51-6	BENZYL ALCOHOL	10	U
95-50-1	1,2-DICHLOROBENZENE	10	U
95-48-7	2-METHYLPHENOL	10	U
39638-32-9	BIS(2-CHLOROISOPROPYL)ETHER	10	U
106-44-5	4-METHYLPHENOL	10	U
621-64-7	N-NITROSO-DI-N-PROPYLAMINE	10	U
67-72-1	HEXACHLOROETHANE	10	U
98-95-3	NITROBENZENE	10	U
78-59-1	ISOPHORONE	10	U
88-75-5	2-NITROPHENOL	10	U
105-67-9	2,4-DIMETHYLPHENOL	10	U
111-91-1	BIS(2-CHLOROETHOXY)METHANE	10	U
120-83-2	2,4-DICHLOROPHENOL	10	U
120-82-1	1,2,4-TRICHLOROBENZENE	10	U
91-20-3	NAPHTHALENE	10	U
106-47-8	4-CHLOROANILINE	10	U
87-68-3	HEXACHLOROBUTADIENE	10	U
59-50-7	4-CHLORO-3-METHYLPHENOL	10	U
91-57-6	2-METHYLNAPHTHALENE	10	U
77-47-4	HEXACHLOROCYCLOPENTADIENE	10	U
88-06-2	2,4,6-TRICHLOROPHENOL	10	U
95-95-4	2,4,5-TRICHLOROPHENOL	50	U
91-58-7	2-CHLORONAPHTHALENE	10	U
88-74-4	2-NITROANILINE	50	U
131-11-3	DIMETHYLPHTHALATE	10	U
208-96-8	ACENAPHTHYLENE	10	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO

TKCSW01W

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG8

Matrix: (soil/water) WATER Lab Sample ID: P198729

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP05199204

Level: (low/med) LOW Date Received: 05/07/92

% Moisture: not dec. ____ dec. ____ Date Extracted: 05/12/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 05/19/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
606-20-2	2,6-DINITRITOLUENE	10	U
99-09-2	3-NITROANILINE	50	U
83-32-9	ACENAPHTHENE	10	U
51-28-5	2,4-DINITROPHENOL	50	U
100-02-7	4-NITROPHENOL	50	U
132-64-9	DIBENZOFURAN	10	U
121-14-2	2,4-DINITROTOLUENE	10	U
84-66-2	DIETHYLPHTHALATE	10	U
7005-72-3	4-CHLOROPHENYL-PHENYLETHER	10	U
86-73-7	FLUORENE	10	U
100-10-6	4-NITROANILINE	50	U
534-52-1	4,6-DINITRO-2-METHYLPHENOL	50	U
86-30-6	N-NITROSODIPHENYLAMINE (1)	10	U
101-55-3	4-BROMOPHENYL-PHENYLETHER	10	U
118-74-1	HEXACHLOROBENZENE	10	U
87-86-5	PENTACHLOROPHENOL	50	U
85-01-8	PHENANTHRENE	10	U
120-12-7	ANTHRACENE	10	U
84-74-2	DI-N-BUTYLPHTHALATE	10	U
206-44-0	FLUORANTHENE	10	U
92-87-5	BENZIDINE	50	U
129-00-0	PYRENE	10	U
85-68-7	BUTYLBENZYLPHTHALATE	10	U
91-94-1	3,3'-DICHLOROBENZIDINE	20	U
56-55-3	BENZO(A)ANTHRACENE	10	U
218-01-9	CHRYSENE	10	U
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	10	U
117-84-0	DI-N-OCTYL PHTHALATE	10	U
205-99-2	BENZO(B)FLUORANTHENE	10	U
207-08-9	BENZO(K)FLUORANTHENE	10	U
50-32-8	BENZO(A)PYRENE	10	U
193-39-5	INDENO(1,2,3-CD)PYRENE	10	U
53-70-3	DIBENZO(A,H)ANTHRACENE	10	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO

TKCSW01W

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG8

Matrix: (soil/water) WATER Lab Sample ID: P198729

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP05199204

Level: (low/med) LOW Date Received: 05/07/92

% Moisture: not dec. ____ dec. ____ Date Extracted: 05/12/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 05/19/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
606-20-2	2,6-DINITRITOLUENE	10	U
99-09-2	3-NITROANILINE	50	U
83-32-9	ACENAPHTHENE	10	U
51-28-5	2,4-DINITROPHENOL	50	U
100-02-7	4-NITROPHENOL	50	U
132-64-9	DIBENZOFURAN	10	U
121-14-2	2,4-DINITROTOLUENE	10	U
84-66-2	DIETHYLPHTHALATE	10	U
7005-72-3	4-CHLOROPHENYL-PHENYLETHER	10	U
86-73-7	FLUORENE	10	U
100-10-6	4-NITROANILINE	50	U
534-52-1	4,6-DINITRO-2-METHYLPHENOL	50	U
86-30-6	N-NITROSODIPHENYLAMINE (1)	10	U
101-55-3	4-BROMOPHENYL-PHENYLETHER	10	U
118-74-1	HEXACHLOROBENZENE	10	U
87-86-5	PENTACHLOROPHENOL	50	U
85-01-8	PHENANTHRENE	10	U
120-12-7	ANTHRACENE	10	U
84-74-2	DI-N-BUTYLPHTHALATE	10	U
206-44-0	FLUORANTHENE	10	U
92-87-5	BENZIDINE	50	U
129-00-0	PYRENE	10	U
85-68-7	BUTYLBENZYLPHTHALATE	10	U
91-94-1	3,3'-DICHLOROBENZIDINE	20	U
56-55-3	BENZO(A)ANTHRACENE	10	U
218-01-9	CHRYSENE	10	U
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	10	U
117-84-0	DI-N-OCTYL PHTHALATE	10	U
205-99-2	BENZO(B)FLUORANTHENE	10	U
207-08-9	BENZO(K)FLUORANTHENE	10	U
50-32-8	BENZO(A)PYRENE	10	U
193-39-5	INDENO(1,2,3-CD)PYRENE	10	U
53-70-3	DIBENZO(A,H)ANTHRACENE	10	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO

TKCSW01W0003

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG8

Matrix: (soil/water) WATER Lab Sample ID: P198729

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP05199204

Level: (low/med) LOW Date Received: 05/07/92

% Moisture: not dec. ____ dec. ____ Date Extracted: 05/12/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 05/19/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
191-24-2	BENZO(G,H,I)PERYLENE	10	U
58-90-2	2,3,4,6-TETRACHLOROPHENOL	10	U
109-06-8	2-PICOLINE	10	~~U~~ UJ
62-50-0	METHANESULFONIC ACID, ETHYL E	10	U
100-75-4	N-NITROSOPIPERIDINE	20	U
87-65-0	2,6-DICHLOROPHENOL	10	U
924-16-3	NITROSO-DI-N-BUTYLAMINE	10	U
66-27-3	METHANESULFONIC ACID, METHYL	10	U
98-86-2	ACETOPHENONE	10	U
122-09-8	A,A-DIMETHYLPHENETHYLAMINE	10	~~U~~ UJ
608-93-5	PENTACHLOROBENZENE	10	U
92-67-1	4-AMINOBIPHENYL	10	U
60-11-7	P-DIMETHYLAMINOAZOBENZENE	10	U
57-97-6	7,12-DIMETHYLBENZ(A)ANTHRACEN	10	U
95-94-3	1,2,4,5-TETRACHLOROBENZENE	10	U
122-39-4	DIPHENYLAMINE	10	U
62-44-2	PHENACETIN	10	U
56-49-5	3-METHYLCHOLANTHRENE	10	U
23950-58-5	PRONAMIDE	10	~~U~~ UJ
91-59-8	2-NAPHTHALENEAMINE	10	U
106-50-3	P-PHENYLENEDIAMINE	50	U
120-58-1	ISOSAFROLE	10	~~U~~ UJ
99-55-8	5-NITRO-O-TOLUIDINE	10	U
56-57-5	4-NITROQUINOLINE 1-OXIDE	50	~~U~~ R
91-80-5	METHAPYRILENE	10	~~U~~ UJ
781-73-7	2-ACETYLAMINOFLUORENE	10	U
10595-95-6	N-NITROSOMETHYLETHYLAMINE	10	~~U~~ UJ
55-18-5	N-NITROSODIETHYLAMINE	10	U
930-55-2	N-NITROSOPYRROLIDINE	10	U
59-89-2	N-NITROSOMORPHOLINE	10	~~U~~ UJ
95-53-4	O-TOLUIDINE	10	U
1981-0-0	0,0,0-TRIETHYLPHOSPHOROTHIOAT	50	U
94-59-7	SAFROLE	10	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO

TKCSW01W0003

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG8

Matrix: (soil/water) WATER Lab Sample ID: P198729

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP05199204

Level: (low/med) LOW Date Received: 05/07/92

% Moisture: not dec. ____ dec. ____ Date Extracted: 05/12/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 05/19/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
191-24-2	BENZO(G,H,I)PERYLENE	10	U
58-90-2	2,3,4,6-TETRACHLOROPHENOL	10	U
109-06-8	2-PICOLINE	10	~~U~~ UJ
62-50-0	METHANESULFONIC ACID, ETHYL E	10	U
100-75-4	N-NITROSOPIPERIDINE	20	U
87-65-0	2,6-DICHLOROPHENOL	10	U
924-16-3	NITROSO-DI-N-BUTYLAMINE	10	U
66-27-3	METHANESULFONIC ACID, METHYL	10	U
98-86-2	ACETOPHENONE	10	U
122-09-8	A,A-DIMETHYLPHENETHYLAMINE	10	~~U~~ UJ
608-93-5	PENTACHLOROBENZENE	10	U
92-67-1	4-AMINOBIPHENYL	10	U
60-11-7	P-DIMETHYLAMINOAZOBENZENE	10	U
57-97-6	7,12-DIMETHYLBENZ(A)ANTHRACEN	10	U
95-94-3	1,2,4,5-TETRACHLOROBENZENE	10	U
122-39-4	DIPHENYLAMINE	10	U
62-44-2	PHENACETIN	10	U
56-49-5	3-METHYLCHOLANTHRENE	10	U
23950-58-5	PRONAMIDE	10	~~U~~ UJ
91-59-8	2-NAPHTHALENEAMINE	10	U
106-50-3	P-PHENYLENEDIAMINE	50	U
120-58-1	ISOSAFROLE	10	~~U~~ UJ
99-55-8	5-NITRO-O-TOLUIDINE	10	U
56-57-5	4-NITROQUINOLINE 1-OXIDE	50	~~U~~ R
91-80-5	METHAPYRILENE	10	~~U~~ UJ
781-73-7	2-ACETYLAMINOFLUORENE	10	U
10595-95-6	N-NITROSOMETHYLETHYLAMINE	10	~~U~~ UJ
55-18-5	N-NITROSODIETHYLAMINE	10	U
930-55-2	N-NITROSOPYRROLIDINE	10	U
59-89-2	N-NITROSOMORPHOLINE	10	~~U~~ UJ
95-53-4	O-TOLUIDINE	10	U
1981-0-0	0,0,0-TRIETHYLPHOSPHOROTHIOAT	50	U
94-59-7	SAFROLE	10	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO

TKCSW01W

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG8

Matrix: (soil/water) WATER Lab Sample ID: P198729

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP05199204

Level: (low/med) LOW Date Received: 05/07/92

% Moisture: not dec. ____ dec. ____ Date Extracted: 05/12/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 05/19/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
130-15-4	1,4-NAPHTHOQUINONE	50	~~U~~ UJ
99-35-4	1,3,5-TRINITROBENZENE	50	~~U~~ UJ
1888-71-7	HEXACHLOROPROPENE	~~50~~	~~U~~ R
99-65-0	1,3-DINITROBENZENE	20	~~U~~ UJ
70-30-4	HEXACHLOROPHENE	1000	~~U~~ UJ
60-51-5	DIMETHOATE	10	~~U~~ UJ
2303-16-4	DIALLATE	10	U
110-86-1	PYRIDINE	10	~~U~~ UJ
140-57-8	ARAMITE	50	~~U~~ UJ
88-85-7	2-SEC-BUTYL-4,6-DINITROPHENOL	10	U
108-39-4	M-CRESOL	10	U
82-68-8	PENTACHLORONITROBENZENE	10	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO

TKCSW01W

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG8

Matrix: (soil/water) WATER Lab Sample ID: P198729

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP05199204

Level: (low/med) LOW Date Received: 05/07/92

% Moisture: not dec. ____ dec. ____ Date Extracted: 05/12/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 05/19/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
130-15-4	1,4-NAPHTHOQUINONE	50	~~U~~ UJ
99-35-4	1,3,5-TRINITROBENZENE	50	~~U~~ UJ
1888-71-7	HEXACHLOROPROPENE	~~50~~	~~U~~ R
99-65-0	1,3-DINITROBENZENE	20	~~U~~ UJ
70-30-4	HEXACHLOROPHENE	1000	~~U~~ UJ
60-51-5	DIMETHOATE	10	~~U~~ UJ
2303-16-4	DIALLATE	10	U
110-86-1	PYRIDINE	10	~~U~~ UJ
140-57-8	ARAMITE	50	~~U~~ UJ
88-85-7	2-SEC-BUTYL-4,6-DINITROPHENOL	10	U
108-39-4	M-CRESOL	10	U
82-68-8	PENTACHLORONITROBENZENE	10	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO

TCCSW05W0003

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG8

Matrix: (soil/water) WATER Lab Sample ID: P198822

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP05199208

Level: (low/med) LOW Date Received: 05/07/92

% Moisture: not dec. ____ dec. ____ Date Extracted: 05/13/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 05/19/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
62-75-9	N-NITROSODIMETHYLAMINE	10	U
108-95-2	PHENOL	10	U
62-53-3	ANILINE	10	U
111-44-4	BIS(2-CHLOROETHYL)ETHER	10	U
95-57-8	2-CHLOROPHENOL	10	U
541-73-1	1,3-DICHLOROBENZENE	10	U
106-46-7	1,4-DICHLOROBENZENE	10	U
100-51-6	BENZYL ALCOHOL	10	U
95-50-1	1,2-DICHLOROBENZENE	10	U
95-48-7	2-METHYLPHENOL	10	U
39638-32-9	BIS(2-CHLOROISOPROPYL)ETHER	10	U
106-44-5	4-METHYLPHENOL	10	U
621-64-7	N-NITROSO-DI-N-PROPYLAMINE	10	U
67-72-1	HEXACHLOROETHANE	10	U
98-95-3	NITROBENZENE	10	U
78-59-1	ISOPHORONE	10	U
88-75-5	2-NITROPHENOL	10	U
105-67-9	2,4-DIMETHYLPHENOL	10	U
111-91-1	BIS(2-CHLOROETHOXY)METHANE	10	U
120-83-2	2,4-DICHLOROPHENOL	10	U
120-82-1	1,2,4-TRICHLOROBENZENE	10	U
91-20-3	NAPHTHALENE	10	U
106-47-8	4-CHLOROANILINE	10	U
87-68-3	HEXACHLOROBUTADIENE	10	U
59-50-7	4-CHLORO-3-METHYLPHENOL	10	U
91-57-6	2-METHYLNAPHTHALENE	10	U
77-47-4	HEXACHLOROCYCLOPENTADIENE	10	U
88-06-2	2,4,6-TRICHLOROPHENOL	10	U
95-95-4	2,4,5-TRICHLOROPHENOL	50	U
91-58-7	2-CHLORONAPHTHALENE	10	U
88-74-4	2-NITROANILINE	50	U
131-11-3	DIMETHYLPHTHALATE	10	U
208-96-8	ACENAPHTHYLENE	10	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO

TCCSW05W0003

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG8

Matrix: (soil/water) WATER Lab Sample ID: P198822

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP05199208

Level: (low/med) LOW Date Received: 05/07/92

% Moisture: not dec. ____ dec. ____ Date Extracted: 05/13/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 05/19/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
62-75-9	N-NITROSODIMETHYLAMINE	10	U
108-95-2	PHENOL	10	U
62-53-3	ANILINE	10	U
111-44-4	BIS(2-CHLOROETHYL)ETHER	10	U
95-57-8	2-CHLOROPHENOL	10	U
541-73-1	1,3-DICHLOROBENZENE	10	U
106-46-7	1,4-DICHLOROBENZENE	10	U
100-51-6	BENZYL ALCOHOL	10	U
95-50-1	1,2-DICHLOROBENZENE	10	U
95-48-7	2-METHYLPHENOL	10	U
39638-32-9	BIS(2-CHLOROISOPROPYL)ETHER	10	U
106-44-5	4-METHYLPHENOL	10	U
621-64-7	N-NITROSO-DI-N-PROPYLAMINE	10	U
67-72-1	HEXACHLOROETHANE	10	U
98-95-3	NITROBENZENE	10	U
78-59-1	ISOPHORONE	10	U
88-75-5	2-NITROPHENOL	10	U
105-67-9	2,4-DIMETHYLPHENOL	10	U
111-91-1	BIS(2-CHLOROETHOXY)METHANE	10	U
120-83-2	2,4-DICHLOROPHENOL	10	U
120-82-1	1,2,4-TRICHLOROBENZENE	10	U
91-20-3	NAPHTHALENE	10	U
106-47-8	4-CHLOROANILINE	10	U
87-68-3	HEXACHLOROBUTADIENE	10	U
59-50-7	4-CHLORO-3-METHYLPHENOL	10	U
91-57-6	2-METHYLNAPHTHALENE	10	U
77-47-4	HEXACHLOROCYCLOPENTADIENE	10	U
88-06-2	2,4,6-TRICHLOROPHENOL	10	U
95-95-4	2,4,5-TRICHLOROPHENOL	50	U
91-58-7	2-CHLORONAPHTHALENE	10	U
88-74-4	2-NITROANILINE	50	U
131-11-3	DIMETHYLPHTHALATE	10	U
208-96-8	ACENAPHTHYLENE	10	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO

TCCSW05W0003

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG8

Matrix: (soil/water) WATER Lab Sample ID: P198822

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP05199208

Level: (low/med) LOW Date Received: 05/07/92

% Moisture: not dec. ____ dec. ____ Date Extracted: 05/13/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 05/19/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
606-20-2	2,6-DINITRITOLUENE	10	U
99-09-2	3-NITROANILINE	50	U
83-32-9	ACENAPHTHENE	10	U
51-28-5	2,4-DINITROPHENOL	50	U
100-02-7	4-NITROPHENOL	50	U
132-64-9	DIBENZOFURAN	10	U
121-14-2	2,4-DINITROTOLUENE	10	U
84-66-2	DIETHYLPHTHALATE	10	U
7005-72-3	4-CHLOROPHENYL-PHENYLETHER	10	U
86-73-7	FLUORENE	10	U
100-10-6	4-NITROANILINE	50	U
534-52-1	4,6-DINITRO-2-METHYLPHENOL	50	U
86-30-6	N-NITROSODIPHENYLAMINE (1)	10	U
101-55-3	4-BROMOPHENYL-PHENYLETHER	10	U
118-74-1	HEXACHLOROBENZENE	10	U
87-86-5	PENTACHLOROPHENOL	50	U
85-01-8	PHENANTHRENE	10	U
120-12-7	ANTHRACENE	10	U
84-74-2	DI-N-BUTYLPHTHALATE	10	U
206-44-0	FLUORANTHENE	10	U
92-87-5	BENZIDINE	50	U
129-00-0	PYRENE	10	U
85-68-7	BUTYLBENZYLPHTHALATE	10	U
91-94-1	3,3'-DICHLOROBENZIDINE	20	U
56-55-3	BENZO(A)ANTHRACENE	10	U
218-01-9	CHRYSENE	10	U
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	10	U
117-84-0	DI-N-OCTYL PHTHALATE	10	U
205-99-2	BENZO(B)FLUORANTHENE	10	U
207-08-9	BENZO(K)FLUORANTHENE	10	U
50-32-8	BENZO(A)PYRENE	10	U
193-39-5	INDENO(1,2,3-CD)PYRENE	10	U
53-70-3	DIBENZO(A,H)ANTHRACENE	10	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO

TCCSW05W0003

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG8

Matrix: (soil/water) WATER Lab Sample ID: P198822

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP05199208

Level: (low/med) LOW Date Received: 05/07/92

% Moisture: not dec. ____ dec. ____ Date Extracted: 05/13/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 05/19/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
606-20-2	2,6-DINITRITOLUENE	10	U
99-09-2	3-NITROANILINE	50	U
83-32-9	ACENAPHTHENE	10	U
51-28-5	2,4-DINITROPHENOL	50	U
100-02-7	4-NITROPHENOL	50	U
132-64-9	DIBENZOFURAN	10	U
121-14-2	2,4-DINITROTOLUENE	10	U
84-66-2	DIETHYLPHTHALATE	10	U
7005-72-3	4-CHLOROPHENYL-PHENYLETHER	10	U
86-73-7	FLUORENE	10	U
100-10-6	4-NITROANILINE	50	U
534-52-1	4,6-DINITRO-2-METHYLPHENOL	50	U
86-30-6	N-NITROSODIPHENYLAMINE (1)	10	U
101-55-3	4-BROMOPHENYL-PHENYLETHER	10	U
118-74-1	HEXACHLOROBENZENE	10	U
87-86-5	PENTACHLOROPHENOL	50	U
85-01-8	PHENANTHRENE	10	U
120-12-7	ANTHRACENE	10	U
84-74-2	DI-N-BUTYLPHTHALATE	10	U
206-44-0	FLUORANTHENE	10	U
92-87-5	BENZIDINE	50	U
129-00-0	PYRENE	10	U
85-68-7	BUTYLBENZYLPHTHALATE	10	U
91-94-1	3,3'-DICHLOROBENZIDINE	20	U
56-55-3	BENZO(A)ANTHRACENE	10	U
218-01-9	CHRYSENE	10	U
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	10	U
117-84-0	DI-N-OCTYL PHTHALATE	10	U
205-99-2	BENZO(B)FLUORANTHENE	10	U
207-08-9	BENZO(K)FLUORANTHENE	10	U
50-32-8	BENZO(A)PYRENE	10	U
193-39-5	INDENO(1,2,3-CD)PYRENE	10	U
53-70-3	DIBENZO(A,H)ANTHRACENE	10	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO

TCCSW05W0003

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG8

Matrix: (soil/water) WATER Lab Sample ID: P198822

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP05199208

Level: (low/med) LOW Date Received: 05/07/92

% Moisture: not dec. ____ dec. ____ Date Extracted: 05/13/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 05/19/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
191-24-2	BENZO(G,H,I)PERYLENE	10	U
58-90-2	2,3,4,6-TETRACHLOROPHENOL	10	U
109-06-8	2-PICOLINE	10	~~U~~ UJ
62-50-0	METHANESULFONIC ACID, ETHYL E	10	U
100-75-4	N-NITROSOPIPERIDINE	20	U
87-65-0	2,6-DICHLOROPHENOL	10	U
924-16-3	NITROSO-DI-N-BUTYLAMINE	10	U
66-27-3	METHANESULFONIC ACID, METHYL	10	U
98-86-2	ACETOPHENONE	10	U
122-09-8	A,A-DIMETHYLPHENETHYLAMINE	10	~~U~~ UJ
608-93-5	PENTACHLOROBENZENE	10	U
92-67-1	4-AMINOBIPHENYL	10	U
60-11-7	P-DIMETHYLAMINOAZOBENZENE	10	U
57-97-6	7,12-DIMETHYLBENZ(A)ANTHRACEN	10	U
95-94-3	1,2,4,5-TETRACHLOROBENZENE	10	U
122-39-4	DIPHENYLAMINE	10	U
62-44-2	PHENACETIN	10	U
56-49-5	3-METHYLCHOLANTHRENE	10	U
23950-58-5	PRONAMIDE	10	~~U~~ UJ
91-59-8	2-NAPHTHALENEAMINE	10	U
106-50-3	P-PHENYLENEDIAMINE	50	U
120-58-1	ISOSAFROLE	10	~~U~~ UJ
99-55-8	5-NITRO-O-TOLUIDINE	10	U
56-57-5	4-NITROQUINOLINE 1-OXIDE	~~50~~	~~U~~ R
91-80-5	METHAPYRILENE	10	~~U~~ UJ
781-73-7	2-ACETYLAMINOFLUORENE	10	U
10595-95-6	N-NITROSOMETHYLETHYLAMINE	10	~~U~~ UJ
55-18-5	N-NITROSODIETHYLAMINE	10	U
930-55-2	N-NITROSOPYRROLIDINE	10	U
59-89-2	N-NITROSOMORPHOLINE	10	~~U~~ UJ
95-53-4	O-TOLUIDINE	10	U
1981-0-0	0,0,0-TRIETHYLPHOSPHOROTHIOAT	50	U
94-59-7	SAFROLE	10	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO

TCCSW05W0003

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG8

Matrix: (soil/water) WATER Lab Sample ID: P198822

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP05199208

Level: (low/med) LOW Date Received: 05/07/92

% Moisture: not dec. ____ dec. ____ Date Extracted: 05/13/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 05/19/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
191-24-2	BENZO(G,H,I)PERYLENE	10	U
58-90-2	2,3,4,6-TETRACHLOROPHENOL	10	U
109-06-8	2-PICOLINE	10	~~U~~ UJ
62-50-0	METHANESULFONIC ACID, ETHYL E	10	U
100-75-4	N-NITROSOPIPERIDINE	20	U
87-65-0	2,6-DICHLOROPHENOL	10	U
924-16-3	NITROSO-DI-N-BUTYLAMINE	10	U
66-27-3	METHANESULFONIC ACID, METHYL	10	U
98-86-2	ACETOPHENONE	10	U
122-09-8	A,A-DIMETHYLPHENETHYLAMINE	10	~~U~~ UJ
608-93-5	PENTACHLOROBENZENE	10	U
92-67-1	4-AMINOBIPHENYL	10	U
60-11-7	P-DIMETHYLAMINOAZOBENZENE	10	U
57-97-6	7,12-DIMETHYLBENZ(A)ANTHRACEN	10	U
95-94-3	1,2,4,5-TETRACHLOROBENZENE	10	U
122-39-4	DIPHENYLAMINE	10	U
62-44-2	PHENACETIN	10	U
56-49-5	3-METHYLCHOLANTHRENE	10	U
23950-58-5	PRONAMIDE	10	~~U~~ UJ
91-59-8	2-NAPHTHALENEAMINE	10	U
106-50-3	P-PHENYLENEDIAMINE	50	U
120-58-1	ISOSAFROLE	10	~~U~~ UJ
99-55-8	5-NITRO-O-TOLUIDINE	10	U
56-57-5	4-NITROQUINOLINE 1-OXIDE	~~50~~	~~U~~ R
91-80-5	METHAPYRILENE	10	~~U~~ UJ
781-73-7	2-ACETYLAMINOFLUORENE	10	U
10595-95-6	N-NITROSOMETHYLETHYLAMINE	10	~~U~~ UJ
55-18-5	N-NITROSODIETHYLAMINE	10	U
930-55-2	N-NITROSOPYRROLIDINE	10	U
59-89-2	N-NITROSOMORPHOLINE	10	~~U~~ UJ
95-53-4	O-TOLUIDINE	10	U
1981-0-0	0,0,0-TRIETHYLPHOSPHOROTHIOAT	50	U
94-59-7	SAFROLE	10	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TCCSW05W0[illegible]

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG8

Matrix: (soil/water) WATER Lab Sample ID: P198822

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP05199208

Level: (low/med) LOW Date Received: 05/07/92

% Moisture: not dec. _____ dec. _____ Date Extracted: 05/13/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 05/19/92

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
130-15-4	1,4-NAPHTHOQUINONE	50	~~U~~ UJ
99-35-4	1,3,5-TRINITROBENZENE	50	~~U~~ UJ
1888-71-7	HEXACHLOROPROPENE	~~50~~	~~U~~ R
99-65-0	1,3-DINITROBENZENE	20	~~U~~ UJ
70-30-4	HEXACHLOROPHENE	1000	~~U~~ UJ
60-51-5	DIMETHOATE	10	~~U~~ UJ
2303-16-4	DIALLATE	10	U
110-86-1	PYRIDINE	10	~~U~~ UJ
140-57-8	ARAMITE	50	~~U~~ UJ
88-85-7	2-SEC-BUTYL-4,6-DINITROPHENOL	10	U
108-39-4	M-CRESOL	10	U
82-68-8	PENTACHLORONITROBENZENE	10	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO

TCCSW05W0[illegible]

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG8

Matrix: (soil/water) WATER Lab Sample ID: P198822

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP05199208

Level: (low/med) LOW Date Received: 05/07/92

% Moisture: not dec. ____ dec. ____ Date Extracted: 05/13/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 05/19/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
130-15-4	1,4-NAPHTHOQUINONE	50	~~U~~ UJ
99-35-4	1,3,5-TRINITROBENZENE	50	~~U~~ UJ
1888-71-7	HEXACHLOROPROPENE	~~50~~	~~U~~ R
99-65-0	1,3-DINITROBENZENE	20	~~U~~ UJ
70-30-4	HEXACHLOROPHENE	1000	~~U~~ UJ
60-51-5	DIMETHOATE	10	~~U~~ UJ
2303-16-4	DIALLATE	10	U
110-86-1	PYRIDINE	10	~~U~~ UJ
140-57-8	ARAMITE	50	~~U~~ UJ
88-85-7	2-SEC-BUTYL-4,6-DINITROPHENOL	10	U
108-39-4	M-CRESOL	10	U
82-68-8	PENTACHLORONITROBENZENE	10	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO

TCCSW06W0003

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG8

Matrix: (soil/water) WATER Lab Sample ID: P198725

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP05199201

Level: (low/med) LOW Date Received: 05/06/92

% Moisture: not dec. ____ dec. ____ Date Extracted: 05/12/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 05/19/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
62-75-9	N-NITROSODIMETHYLAMINE	10	U
108-95-2	PHENOL	10	U
62-53-3	ANILINE	10	U
111-44-4	BIS(2-CHLOROETHYL)ETHER	10	U
95-57-8	2-CHLOROPHENOL	10	U
541-73-1	1,3-DICHLOROBENZENE	10	U
106-46-7	1,4-DICHLOROBENZENE	10	U
100-51-6	BENZYL ALCOHOL	10	U
95-50-1	1,2-DICHLOROBENZENE	10	U
95-48-7	2-METHYLPHENOL	10	U
39638-32-9	BIS(2-CHLOROISOPROPYL)ETHER	10	U
106-44-5	4-METHYLPHENOL	10	U
621-64-7	N-NITROSO-DI-N-PROPYLAMINE	10	U
67-72-1	HEXACHLOROETHANE	10	U
98-95-3	NITROBENZENE	10	U
78-59-1	ISOPHORONE	10	U
88-75-5	2-NITROPHENOL	10	U
105-67-9	2,4-DIMETHYLPHENOL	10	U
111-91-1	BIS(2-CHLOROETHOXY)METHANE	10	U
120-83-2	2,4-DICHLOROPHENOL	10	U
120-82-1	1,2,4-TRICHLOROBENZENE	10	U
91-20-3	NAPHTHALENE	10	U
106-47-8	4-CHLOROANILINE	10	U
87-68-3	HEXACHLOROBUTADIENE	10	U
59-50-7	4-CHLORO-3-METHYLPHENOL	10	U
91-57-6	2-METHYLNAPHTHALENE	10	U
77-47-4	HEXACHLOROCYCLOPENTADIENE	10	U
88-06-2	2,4,6-TRICHLOROPHENOL	10	U
95-95-4	2,4,5-TRICHLOROPHENOL	50	U
91-58-7	2-CHLORONAPHTHALENE	10	U
88-74-4	2-NITROANILINE	50	U
131-11-3	DIMETHYLPHTHALATE	10	U
208-96-8	ACENAPHTHYLENE	10	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO

TCCSW06W0003

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG8

Matrix: (soil/water) WATER Lab Sample ID: P198725

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP05199201

Level: (low/med) LOW Date Received: 05/06/92

% Moisture: not dec. ____ dec. ____ Date Extracted: 05/12/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 05/19/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
62-75-9	N-NITROSODIMETHYLAMINE	10	U
108-95-2	PHENOL	10	U
62-53-3	ANILINE	10	U
111-44-4	BIS(2-CHLOROETHYL)ETHER	10	U
95-57-8	2-CHLOROPHENOL	10	U
541-73-1	1,3-DICHLOROBENZENE	10	U
106-46-7	1,4-DICHLOROBENZENE	10	U
100-51-6	BENZYL ALCOHOL	10	U
95-50-1	1,2-DICHLOROBENZENE	10	U
95-48-7	2-METHYLPHENOL	10	U
39638-32-9	BIS(2-CHLOROISOPROPYL)ETHER	10	U
106-44-5	4-METHYLPHENOL	10	U
621-64-7	N-NITROSO-DI-N-PROPYLAMINE	10	U
67-72-1	HEXACHLOROETHANE	10	U
98-95-3	NITROBENZENE	10	U
78-59-1	ISOPHORONE	10	U
88-75-5	2-NITROPHENOL	10	U
105-67-9	2,4-DIMETHYLPHENOL	10	U
111-91-1	BIS(2-CHLOROETHOXY)METHANE	10	U
120-83-2	2,4-DICHLOROPHENOL	10	U
120-82-1	1,2,4-TRICHLOROBENZENE	10	U
91-20-3	NAPHTHALENE	10	U
106-47-8	4-CHLOROANILINE	10	U
87-68-3	HEXACHLOROBUTADIENE	10	U
59-50-7	4-CHLORO-3-METHYLPHENOL	10	U
91-57-6	2-METHYLNAPHTHALENE	10	U
77-47-4	HEXACHLOROCYCLOPENTADIENE	10	U
88-06-2	2,4,6-TRICHLOROPHENOL	10	U
95-95-4	2,4,5-TRICHLOROPHENOL	50	U
91-58-7	2-CHLORONAPHTHALENE	10	U
88-74-4	2-NITROANILINE	50	U
131-11-3	DIMETHYLPHTHALATE	10	U
208-96-8	ACENAPHTHYLENE	10	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO

TCCSW06W0[illegible]3

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG8

Matrix: (soil/water) WATER Lab Sample ID: P198725

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP05199201

Level: (low/med) LOW Date Received: 05/06/92

% Moisture: not dec. ____ dec. ____ Date Extracted: 05/12/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 05/19/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
606-20-2	2,6-DINITRITOLUENE	10	U
99-09-2	3-NITROANILINE	50	U
83-32-9	ACENAPHTHENE	10	U
51-28-5	2,4-DINITROPHENOL	50	U
100-02-7	4-NITROPHENOL	50	U
132-64-9	DIBENZOFURAN	10	U
121-14-2	2,4-DINITROTOLUENE	10	U
84-66-2	DIETHYLPHTHALATE	10	U
7005-72-3	4-CHLOROPHENYL-PHENYLETHER	10	U
86-73-7	FLUORENE	10	U
100-10-6	4-NITROANILINE	50	U
534-52-1	4,6-DINITRO-2-METHYLPHENOL	50	U
86-30-6	N-NITROSODIPHENYLAMINE (1)	10	U
101-55-3	4-BROMOPHENYL-PHENYLETHER	10	U
118-74-1	HEXACHLOROBENZENE	10	U
87-86-5	PENTACHLOROPHENOL	50	U
85-01-8	PHENANTHRENE	10	U
120-12-7	ANTHRACENE	10	U
84-74-2	DI-N-BUTYLPHTHALATE	10	U
206-44-0	FLUORANTHENE	10	U
92-87-5	BENZIDINE	50	U
129-00-0	PYRENE	10	U
85-68-7	BUTYLBENZYLPHTHALATE	10	U
91-94-1	3,3'-DICHLOROBENZIDINE	20	U
56-55-3	BENZO(A)ANTHRACENE	10	U
218-01-9	CHRYSENE	10	U
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	10	U
117-84-0	DI-N-OCTYL PHTHALATE	10	U
205-99-2	BENZO(B)FLUORANTHENE	10	U
207-08-9	BENZO(K)FLUORANTHENE	10	U
50-32-8	BENZO(A)PYRENE	10	U
193-39-5	INDENO(1,2,3-CD)PYRENE	10	U
53-70-3	DIBENZO(A,H)ANTHRACENE	10	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO

TCCSW06W0[illegible]3

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG8

Matrix: (soil/water) WATER Lab Sample ID: P198725

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP05199201

Level: (low/med) LOW Date Received: 05/06/92

% Moisture: not dec. ____ dec. ____ Date Extracted: 05/12/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 05/19/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
606-20-2	2,6-DINITRITOLUENE	10	U
99-09-2	3-NITROANILINE	50	U
83-32-9	ACENAPHTHENE	10	U
51-28-5	2,4-DINITROPHENOL	50	U
100-02-7	4-NITROPHENOL	50	U
132-64-9	DIBENZOFURAN	10	U
121-14-2	2,4-DINITROTOLUENE	10	U
84-66-2	DIETHYLPHTHALATE	10	U
7005-72-3	4-CHLOROPHENYL-PHENYLETHER	10	U
86-73-7	FLUORENE	10	U
100-10-6	4-NITROANILINE	50	U
534-52-1	4,6-DINITRO-2-METHYLPHENOL	50	U
86-30-6	N-NITROSODIPHENYLAMINE (1)	10	U
101-55-3	4-BROMOPHENYL-PHENYLETHER	10	U
118-74-1	HEXACHLOROBENZENE	10	U
87-86-5	PENTACHLOROPHENOL	50	U
85-01-8	PHENANTHRENE	10	U
120-12-7	ANTHRACENE	10	U
84-74-2	DI-N-BUTYLPHTHALATE	10	U
206-44-0	FLUORANTHENE	10	U
92-87-5	BENZIDINE	50	U
129-00-0	PYRENE	10	U
85-68-7	BUTYLBENZYLPHTHALATE	10	U
91-94-1	3,3'-DICHLOROBENZIDINE	20	U
56-55-3	BENZO(A)ANTHRACENE	10	U
218-01-9	CHRYSENE	10	U
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	10	U
117-84-0	DI-N-OCTYL PHTHALATE	10	U
205-99-2	BENZO(B)FLUORANTHENE	10	U
207-08-9	BENZO(K)FLUORANTHENE	10	U
50-32-8	BENZO(A)PYRENE	10	U
193-39-5	INDENO(1,2,3-CD)PYRENE	10	U
53-70-3	DIBENZO(A,H)ANTHRACENE	10	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TCCSW06W0003

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG8

Matrix: (soil/water) WATER Lab Sample ID: P198725

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP05199201

Level: (low/med) LOW Date Received: 05/06/92

% Moisture: not dec. ____ dec. ____ Date Extracted: 05/12/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 05/19/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
191-24-2	BENZO(G,H,I)PERYLENE	10	U
58-90-2	2,3,4,6-TETRACHLOROPHENOL	10	U
109-06-8	2-PICOLINE	10	~~U~~ UJ
62-50-0	METHANESULFONIC ACID, ETHYL E	10	U
100-75-4	N-NITROSOPIPERIDINE	20	U
87-65-0	2,6-DICHLOROPHENOL	10	U
924-16-3	NITROSO-DI-N-BUTYLAMINE	10	U
66-27-3	METHANESULFONIC ACID, METHYL	10	U
98-86-2	ACETOPHENONE	10	U
122-09-8	A,A-DIMETHYLPHENETHYLAMINE	10	~~U~~ UJ
608-93-5	PENTACHLOROBENZENE	10	U
92-67-1	4-AMINOBIPHENYL	10	U
60-11-7	P-DIMETHYLAMINOAZOBENZENE	10	U
57-97-6	7,12-DIMETHYLBENZ(A)ANTHRACEN	10	U
95-94-3	1,2,4,5-TETRACHLOROBENZENE	10	U
122-39-4	DIPHENYLAMINE	10	U
62-44-2	PHENACETIN	10	U
56-49-5	3-METHYLCHOLANTHRENE	10	U
23950-58-5	PRONAMIDE	10	~~U~~ UJ
91-59-8	2-NAPHTHALENEAMINE	10	U
106-50-3	P-PHENYLENEDIAMINE	50	U
120-58-1	ISOSAFROLE	10	~~U~~ UJ
99-55-8	5-NITRO-O-TOLUIDINE	10	U
56-57-5	4-NITROQUINOLINE 1-OXIDE	~~50~~	~~U~~ R
91-80-5	METHAPYRILENE	10	~~U~~ UJ
781-73-7	2-ACETYLAMINOFLUORENE	10	U
10595-95-6	N-NITROSOMETHYLETHYLAMINE	10	~~U~~ UJ
55-18-5	N-NITROSODIETHYLAMINE	10	U
930-55-2	N-NITROSOPYRROLIDINE	10	U
59-89-2	N-NITROSOMORPHOLINE	10	~~U~~ UJ
95-53-4	O-TOLUIDINE	10	U
1981-0-0	0,0,0-TRIETHYLPHOSPHOROTHIOAT	50	U
94-59-7	SAFROLE	10	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TCCSW06W0003

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG8

Matrix: (soil/water) WATER Lab Sample ID: P198725

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP05199201

Level: (low/med) LOW Date Received: 05/06/92

% Moisture: not dec. ____ dec. ____ Date Extracted: 05/12/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 05/19/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
191-24-2	BENZO(G,H,I)PERYLENE	10	U
58-90-2	2,3,4,6-TETRACHLOROPHENOL	10	U
109-06-8	2-PICOLINE	10	~~U~~ UJ
62-50-0	METHANESULFONIC ACID, ETHYL E	10	U
100-75-4	N-NITROSOPIPERIDINE	20	U
87-65-0	2,6-DICHLOROPHENOL	10	U
924-16-3	NITROSO-DI-N-BUTYLAMINE	10	U
66-27-3	METHANESULFONIC ACID, METHYL	10	U
98-86-2	ACETOPHENONE	10	U
122-09-8	A,A-DIMETHYLPHENETHYLAMINE	10	~~U~~ UJ
608-93-5	PENTACHLOROBENZENE	10	U
92-67-1	4-AMINOBIPHENYL	10	U
60-11-7	P-DIMETHYLAMINOAZOBENZENE	10	U
57-97-6	7,12-DIMETHYLBENZ(A)ANTHRACEN	10	U
95-94-3	1,2,4,5-TETRACHLOROBENZENE	10	U
122-39-4	DIPHENYLAMINE	10	U
62-44-2	PHENACETIN	10	U
56-49-5	3-METHYLCHOLANTHRENE	10	U
23950-58-5	PRONAMIDE	10	~~U~~ UJ
91-59-8	2-NAPHTHALENEAMINE	10	U
106-50-3	P-PHENYLENEDIAMINE	50	U
120-58-1	ISOSAFROLE	10	~~U~~ UJ
99-55-8	5-NITRO-O-TOLUIDINE	10	U
56-57-5	4-NITROQUINOLINE 1-OXIDE	~~50~~	~~U~~ R
91-80-5	METHAPYRILENE	10	~~U~~ UJ
781-73-7	2-ACETYLAMINOFLUORENE	10	U
10595-95-6	N-NITROSOMETHYLETHYLAMINE	10	~~U~~ UJ
55-18-5	N-NITROSODIETHYLAMINE	10	U
930-55-2	N-NITROSOPYRROLIDINE	10	U
59-89-2	N-NITROSOMORPHOLINE	10	~~U~~ UJ
95-53-4	O-TOLUIDINE	10	U
1981-0-0	0,0,0-TRIETHYLPHOSPHOROTHIOAT	50	U
94-59-7	SAFROLE	10	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO

TCCSW06W

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG8

Matrix: (soil/water) WATER Lab Sample ID: P198725

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP05199201

Level: (low/med) LOW Date Received: 05/06/92

% Moisture: not dec. ____ dec. ____ Date Extracted: 05/12/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 05/19/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
130-15-4	1,4-NAPHTHOQUINONE	50	~~U~~ UJ
99-35-4	1,3,5-TRINITROBENZENE	50	~~U~~ UJ
1888-71-7	HEXACHLOROPROPENE	~~50~~	~~U~~ R
99-65-0	1,3-DINITROBENZENE	20	~~U~~ UJ
70-30-4	HEXACHLOROPHENE	1000	~~U~~ UJ
60-51-5	DIMETHOATE	10	~~U~~ UJ
2303-16-4	DIALLATE	10	U
110-86-1	PYRIDINE	10	~~U~~ UJ
140-57-8	ARAMITE	50	~~U~~ UJ
88-85-7	2-SEC-BUTYL-4,6-DINITROPHENOL	10	U
108-39-4	M-CRESOL	10	U
82-68-8	PENTACHLORONITROBENZENE	10	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO

TCCSW06W

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG8

Matrix: (soil/water) WATER Lab Sample ID: P198725

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP05199201

Level: (low/med) LOW Date Received: 05/06/92

% Moisture: not dec. ____ dec. ____ Date Extracted: 05/12/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 05/19/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
130-15-4	1,4-NAPHTHOQUINONE	50	~~U~~ UJ
99-35-4	1,3,5-TRINITROBENZENE	50	~~U~~ UJ
1888-71-7	HEXACHLOROPROPENE	~~50~~	~~U~~ R
99-65-0	1,3-DINITROBENZENE	20	~~U~~ UJ
70-30-4	HEXACHLOROPHENE	1000	~~U~~ UJ
60-51-5	DIMETHOATE	10	~~U~~ UJ
2303-16-4	DIALLATE	10	U
110-86-1	PYRIDINE	10	~~U~~ UJ
140-57-8	ARAMITE	50	~~U~~ UJ
88-85-7	2-SEC-BUTYL-4,6-DINITROPHENOL	10	U
108-39-4	M-CRESOL	10	U
82-68-8	PENTACHLORONITROBENZENE	10	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TCCSW06C0003

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG8

Matrix: (soil/water) WATER Lab Sample ID: P198731

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP05199205

Level: (low/med) LOW Date Received: 05/06/92

% Moisture: not dec. ____ dec. ____ Date Extracted: 05/12/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 05/19/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
62-75-9	N-NITROSODIMETHYLAMINE	10	U
108-95-2	PHENOL	10	U
62-53-3	ANILINE	10	U
111-44-4	BIS(2-CHLOROETHYL)ETHER	10	U
95-57-8	2-CHLOROPHENOL	10	U
541-73-1	1,3-DICHLOROBENZENE	10	U
106-46-7	1,4-DICHLOROBENZENE	10	U
100-51-6	BENZYL ALCOHOL	10	U
95-50-1	1,2-DICHLOROBENZENE	10	U
95-48-7	2-METHYLPHENOL	10	U
39638-32-9	BIS(2-CHLOROISOPROPYL)ETHER	10	U
106-44-5	4-METHYLPHENOL	10	U
621-64-7	N-NITROSO-DI-N-PROPYLAMINE	10	U
67-72-1	HEXACHLOROETHANE	10	U
98-95-3	NITROBENZENE	10	U
78-59-1	ISOPHORONE	10	U
88-75-5	2-NITROPHENOL	10	U
105-67-9	2,4-DIMETHYLPHENOL	10	U
111-91-1	BIS(2-CHLOROETHOXY)METHANE	10	U
120-83-2	2,4-DICHLOROPHENOL	10	U
120-82-1	1,2,4-TRICHLOROBENZENE	10	U
91-20-3	NAPHTHALENE	10	U
106-47-8	4-CHLOROANILINE	10	U
87-68-3	HEXACHLOROBUTADIENE	10	U
59-50-7	4-CHLORO-3-METHYLPHENOL	10	U
91-57-6	2-METHYLNAPHTHALENE	10	U
77-47-4	HEXACHLOROCYCLOPENTADIENE	10	U
88-06-2	2,4,6-TRICHLOROPHENOL	10	U
95-95-4	2,4,5-TRICHLOROPHENOL	50	U
91-58-7	2-CHLORONAPHTHALENE	10	U
88-74-4	2-NITROANILINE	50	U
131-11-3	DIMETHYLPHTHALATE	10	U
208-96-8	ACENAPHTHYLENE	10	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TCCSW06C0003

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG8

Matrix: (soil/water) WATER Lab Sample ID: P198731

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP05199205

Level: (low/med) LOW Date Received: 05/06/92

% Moisture: not dec. ____ dec. ____ Date Extracted: 05/12/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 05/19/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
62-75-9	N-NITROSODIMETHYLAMINE	10	U
108-95-2	PHENOL	10	U
62-53-3	ANILINE	10	U
111-44-4	BIS(2-CHLOROETHYL)ETHER	10	U
95-57-8	2-CHLOROPHENOL	10	U
541-73-1	1,3-DICHLOROBENZENE	10	U
106-46-7	1,4-DICHLOROBENZENE	10	U
100-51-6	BENZYL ALCOHOL	10	U
95-50-1	1,2-DICHLOROBENZENE	10	U
95-48-7	2-METHYLPHENOL	10	U
39638-32-9	BIS(2-CHLOROISOPROPYL)ETHER	10	U
106-44-5	4-METHYLPHENOL	10	U
621-64-7	N-NITROSO-DI-N-PROPYLAMINE	10	U
67-72-1	HEXACHLOROETHANE	10	U
98-95-3	NITROBENZENE	10	U
78-59-1	ISOPHORONE	10	U
88-75-5	2-NITROPHENOL	10	U
105-67-9	2,4-DIMETHYLPHENOL	10	U
111-91-1	BIS(2-CHLOROETHOXY)METHANE	10	U
120-83-2	2,4-DICHLOROPHENOL	10	U
120-82-1	1,2,4-TRICHLOROBENZENE	10	U
91-20-3	NAPHTHALENE	10	U
106-47-8	4-CHLOROANILINE	10	U
87-68-3	HEXACHLOROBUTADIENE	10	U
59-50-7	4-CHLORO-3-METHYLPHENOL	10	U
91-57-6	2-METHYLNAPHTHALENE	10	U
77-47-4	HEXACHLOROCYCLOPENTADIENE	10	U
88-06-2	2,4,6-TRICHLOROPHENOL	10	U
95-95-4	2,4,5-TRICHLOROPHENOL	50	U
91-58-7	2-CHLORONAPHTHALENE	10	U
88-74-4	2-NITROANILINE	50	U
131-11-3	DIMETHYLPHTHALATE	10	U
208-96-8	ACENAPHTHYLENE	10	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO

TCCSW06C

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG8

Matrix: (soil/water) WATER Lab Sample ID: P198731

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP05199205

Level: (low/med) LOW Date Received: 05/06/92

% Moisture: not dec. ____ dec. ____ Date Extracted: 05/12/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 05/19/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
606-20-2	2,6-DINITRITOLUENE	10	U
99-09-2	3-NITROANILINE	50	U
83-32-9	ACENAPHTHENE	10	U
51-28-5	2,4-DINITROPHENOL	50	U
100-02-7	4-NITROPHENOL	50	U
132-64-9	DIBENZOFURAN	10	U
121-14-2	2,4-DINITROTOLUENE	10	U
84-66-2	DIETHYLPHTHALATE	10	U
7005-72-3	4-CHLOROPHENYL-PHENYLETHER	10	U
86-73-7	FLUORENE	10	U
100-10-6	4-NITROANILINE	50	U
534-52-1	4,6-DINITRO-2-METHYLPHENOL	50	U
86-30-6	N-NITROSODIPHENYLAMINE (1)	10	U
101-55-3	4-BROMOPHENYL-PHENYLETHER	10	U
118-74-1	HEXACHLOROBENZENE	10	U
87-86-5	PENTACHLOROPHENOL	~~50~~	~~U~~ R
85-01-8	PHENANTHRENE	10	U
120-12-7	ANTHRACENE	10	U
84-74-2	DI-N-BUTYLPHTHALATE	10	U
206-44-0	FLUORANTHENE	10	U
92-87-5	BENZIDINE	50	U
129-00-0	PYRENE	10	U
85-68-7	BUTYLBENZYLPHTHALATE	10	U
91-94-1	3,3'-DICHLOROBENZIDINE	20	U
56-55-3	BENZO(A)ANTHRACENE	10	U
218-01-9	CHRYSENE	10	U
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	10	U
117-84-0	DI-N-OCTYL PHTHALATE	10	U
205-99-2	BENZO(B)FLUORANTHENE	10	U
207-08-9	BENZO(K)FLUORANTHENE	10	U
50-32-8	BENZO(A)PYRENE	10	U
193-39-5	INDENO(1,2,3-CD)PYRENE	10	U
53-70-3	DIBENZO(A,H)ANTHRACENE	10	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO

TCCSW06C

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG8

Matrix: (soil/water) WATER Lab Sample ID: P198731

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP05199205

Level: (low/med) LOW Date Received: 05/06/92

% Moisture: not dec. ____ dec. ____ Date Extracted: 05/12/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 05/19/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
606-20-2	2,6-DINITRITOLUENE	10	U
99-09-2	3-NITROANILINE	50	U
83-32-9	ACENAPHTHENE	10	U
51-28-5	2,4-DINITROPHENOL	50	U
100-02-7	4-NITROPHENOL	50	U
132-64-9	DIBENZOFURAN	10	U
121-14-2	2,4-DINITROTOLUENE	10	U
84-66-2	DIETHYLPHTHALATE	10	U
7005-72-3	4-CHLOROPHENYL-PHENYLETHER	10	U
86-73-7	FLUORENE	10	U
100-10-6	4-NITROANILINE	50	U
534-52-1	4,6-DINITRO-2-METHYLPHENOL	50	U
86-30-6	N-NITROSODIPHENYLAMINE (1)	10	U
101-55-3	4-BROMOPHENYL-PHENYLETHER	10	U
118-74-1	HEXACHLOROBENZENE	10	U
87-86-5	PENTACHLOROPHENOL	~~50~~	~~U~~ R
85-01-8	PHENANTHRENE	10	U
120-12-7	ANTHRACENE	10	U
84-74-2	DI-N-BUTYLPHTHALATE	10	U
206-44-0	FLUORANTHENE	10	U
92-87-5	BENZIDINE	50	U
129-00-0	PYRENE	10	U
85-68-7	BUTYLBENZYLPHTHALATE	10	U
91-94-1	3,3'-DICHLOROBENZIDINE	20	U
56-55-3	BENZO(A)ANTHRACENE	10	U
218-01-9	CHRYSENE	10	U
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	10	U
117-84-0	DI-N-OCTYL PHTHALATE	10	U
205-99-2	BENZO(B)FLUORANTHENE	10	U
207-08-9	BENZO(K)FLUORANTHENE	10	U
50-32-8	BENZO(A)PYRENE	10	U
193-39-5	INDENO(1,2,3-CD)PYRENE	10	U
53-70-3	DIBENZO(A,H)ANTHRACENE	10	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO

TCCSW06C0003

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG8

Matrix: (soil/water) WATER Lab Sample ID: P198731

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP05199205

Level: (low/med) LOW Date Received: 05/06/92

% Moisture: not dec. ____ dec. ____ Date Extracted: 05/12/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 05/19/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
191-24-2	BENZO(G,H,I)PERYLENE	10	U
58-90-2	2,3,4,6-TETRACHLOROPHENOL	10	U
109-06-8	2-PICOLINE	10	~~B~~ UJ
62-50-0	METHANESULFONIC ACID, ETHYL E	10	U
100-75-4	N-NITROSOPIPERIDINE	20	U
87-65-0	2,6-DICHLOROPHENOL	10	U
924-16-3	NITROSO-DI-N-BUTYLAMINE	10	U
66-27-3	METHANESULFONIC ACID, METHYL	10	U
98-86-2	ACETOPHENONE	10	U
122-09-8	A,A-DIMETHYLPHENETHYLAMINE	10	~~B~~ UJ
608-93-5	PENTACHLOROBENZENE	10	U
92-67-1	4-AMINOBIPHENYL	10	U
60-11-7	P-DIMETHYLAMINOAZOBENZENE	10	U
57-97-6	7,12-DIMETHYLBENZ(A)ANTHRACEN	10	U
95-94-3	1,2,4,5-TETRACHLOROBENZENE	10	U
122-39-4	DIPHENYLAMINE	10	U
62-44-2	PHENACETIN	10	U
56-49-5	3-METHYLCHOLANTHRENE	10	U
23950-58-5	PRONAMIDE	10	~~B~~ UJ
91-59-8	2-NAPHTHALENEAMINE	10	U
106-50-3	P-PHENYLENEDIAMINE	50	U
120-58-1	ISOSAFROLE	10	~~B~~ UJ
99-55-8	5-NITRO-O-TOLUIDINE	10	U
56-57-5	4-NITROQUINOLINE 1-OXIDE	~~50~~	~~B~~ R
91-80-5	METHAPYRILENE	10	~~B~~ UJ
781-73-7	2-ACETYLAMINOFLUORENE	10	U
10595-95-6	N-NITROSOMETHYLETHYLAMINE	10	~~B~~ UJ
55-18-5	N-NITROSODIETHYLAMINE	10	U
930-55-2	N-NITROSOPYRROLIDINE	10	U
59-89-2	N-NITROSOMORPHOLINE	10	~~B~~ UJ
95-53-4	O-TOLUIDINE	10	U
1981-0-0	0,0,0-TRIETHYLPHOSPHOROTHIOAT	50	U
94-59-7	SAFROLE	10	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO

TCCSW06C0003

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG8

Matrix: (soil/water) WATER Lab Sample ID: P198731

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP05199205

Level: (low/med) LOW Date Received: 05/06/92

% Moisture: not dec. ____ dec. ____ Date Extracted: 05/12/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 05/19/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
191-24-2	BENZO(G,H,I)PERYLENE	10	U
58-90-2	2,3,4,6-TETRACHLOROPHENOL	10	U
109-06-8	2-PICOLINE	10	~~U~~ UJ
62-50-0	METHANESULFONIC ACID, ETHYL E	10	U
100-75-4	N-NITROSOPIPERIDINE	20	U
87-65-0	2,6-DICHLOROPHENOL	10	U
924-16-3	NITROSO-DI-N-BUTYLAMINE	10	U
66-27-3	METHANESULFONIC ACID, METHYL	10	U
98-86-2	ACETOPHENONE	10	U
122-09-8	A,A-DIMETHYLPHENETHYLAMINE	10	~~U~~ UJ
608-93-5	PENTACHLOROBENZENE	10	U
92-67-1	4-AMINOBIPHENYL	10	U
60-11-7	P-DIMETHYLAMINOAZOBENZENE	10	U
57-97-6	7,12-DIMETHYLBENZ(A)ANTHRACEN	10	U
95-94-3	1,2,4,5-TETRACHLOROBENZENE	10	U
122-39-4	DIPHENYLAMINE	10	U
62-44-2	PHENACETIN	10	U
56-49-5	3-METHYLCHOLANTHRENE	10	U
23950-58-5	PRONAMIDE	10	~~U~~ UJ
91-59-8	2-NAPHTHALENEAMINE	10	U
106-50-3	P-PHENYLENEDIAMINE	50	U
120-58-1	ISOSAFROLE	10	~~U~~ UJ
99-55-8	5-NITRO-O-TOLUIDINE	10	U
56-57-5	4-NITROQUINOLINE 1-OXIDE	~~50~~	~~U~~ R
91-80-5	METHAPYRILENE	10	~~U~~ UJ
781-73-7	2-ACETYLAMINOFLUORENE	10	U
10595-95-6	N-NITROSOMETHYLETHYLAMINE	10	~~U~~ UJ
55-18-5	N-NITROSODIETHYLAMINE	10	U
930-55-2	N-NITROSOPYRROLIDINE	10	U
59-89-2	N-NITROSOMORPHOLINE	10	~~U~~ UJ
95-53-4	O-TOLUIDINE	10	U
1981-0-0	0,0,0-TRIETHYLPHOSPHOROTHIOAT	50	U
94-59-7	SAFROLE	10	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO

TCCSW06C

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG8

Matrix: (soil/water) WATER Lab Sample ID: P198731

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP05199205

Level: (low/med) LOW Date Received: 05/06/92

% Moisture: not dec. ____ dec. ____ Date Extracted: 05/12/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 05/19/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
130-15-4	1,4-NAPHTHOQUINONE	50	~~U~~ UJ
99-35-4	1,3,5-TRINITROBENZENE	50	~~U~~ UJ
1888-71-7	HEXACHLOROPROPENE	~~50~~	~~U~~ R
99-65-0	1,3-DINITROBENZENE	20	~~U~~ UJ
70-30-4	HEXACHLOROPHENE	1000	~~U~~ UJ
60-51-5	DIMETHOATE	10	~~U~~ UJ
2303-16-4	DIALLATE	10	U
110-86-1	PYRIDINE	10	~~U~~ UJ
140-57-8	ARAMITE	50	~~U~~ UJ
88-85-7	2-SEC-BUTYL-4,6-DINITROPHENOL	10	U
108-39-4	M-CRESOL	10	U
82-68-8	PENTACHLORONITROBENZENE	10	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO

TCCSW06C

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG8

Matrix: (soil/water) WATER Lab Sample ID: P198731

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP05199205

Level: (low/med) LOW Date Received: 05/06/92

% Moisture: not dec. ____ dec. ____ Date Extracted: 05/12/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 05/19/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
130-15-4	1,4-NAPHTHOQUINONE	50	~~U~~ UJ
99-35-4	1,3,5-TRINITROBENZENE	50	~~U~~ UJ
1888-71-7	HEXACHLOROPROPENE	~~50~~	~~U~~ R
99-65-0	1,3-DINITROBENZENE	20	~~U~~ UJ
70-30-4	HEXACHLOROPHENE	1000	~~U~~ UJ
60-51-5	DIMETHOATE	10	~~U~~ UJ
2303-16-4	DIALLATE	10	U
110-86-1	PYRIDINE	10	~~U~~ UJ
140-57-8	ARAMITE	50	~~U~~ UJ
88-85-7	2-SEC-BUTYL-4,6-DINITROPHENOL	10	U
108-39-4	M-CRESOL	10	U
82-68-8	PENTACHLORONITROBENZENE	10	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO

TCCSW15W0003

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG8

Matrix: (soil/water) WATER Lab Sample ID: P198821

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP05199207

Level: (low/med) LOW Date Received: 05/07/92

% Moisture: not dec. _____ dec. _____ Date Extracted: 05/13/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 05/19/92

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
62-75-9	N-NITROSODIMETHYLAMINE	10	U
108-95-2	PHENOL	10	U
62-53-3	ANILINE	10	U
111-44-4	BIS(2-CHLOROETHYL)ETHER	10	U
95-57-8	2-CHLOROPHENOL	10	U
541-73-1	1,3-DICHLOROBENZENE	10	U
106-46-7	1,4-DICHLOROBENZENE	10	U
100-51-6	BENZYL ALCOHOL	10	U
95-50-1	1,2-DICHLOROBENZENE	10	U
95-48-7	2-METHYLPHENOL	10	U
39638-32-9	BIS(2-CHLOROISOPROPYL)ETHER	10	U
106-44-5	4-METHYLPHENOL	10	U
621-64-7	N-NITROSO-DI-N-PROPYLAMINE	10	U
67-72-1	HEXACHLOROETHANE	10	U
98-95-3	NITROBENZENE	10	U
78-59-1	ISOPHORONE	10	U
88-75-5	2-NITROPHENOL	10	U
105-67-9	2,4-DIMETHYLPHENOL	10	U
111-91-1	BIS(2-CHLOROETHOXY)METHANE	10	U
120-83-2	2,4-DICHLOROPHENOL	10	U
120-82-1	1,2,4-TRICHLOROBENZENE	10	U
91-20-3	NAPHTHALENE	10	U
106-47-8	4-CHLOROANILINE	10	U
87-68-3	HEXACHLOROBUTADIENE	10	U
59-50-7	4-CHLORO-3-METHYLPHENOL	10	U
91-57-6	2-METHYLNAPHTHALENE	10	U
77-47-4	HEXACHLOROCYCLOPENTADIENE	10	U
88-06-2	2,4,6-TRICHLOROPHENOL	10	U
95-95-4	2,4,5-TRICHLOROPHENOL	50	U
91-58-7	2-CHLORONAPHTHALENE	10	U
88-74-4	2-NITROANILINE	50	U
131-11-3	DIMETHYLPHTHALATE	10	U
208-96-8	ACENAPHTHYLENE	10	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO

TCCSW15W0003

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG8

Matrix: (soil/water) WATER Lab Sample ID: P198821

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP05199207

Level: (low/med) LOW Date Received: 05/07/92

% Moisture: not dec. ____ dec. ____ Date Extracted: 05/13/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 05/19/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
62-75-9	N-NITROSODIMETHYLAMINE	10	U
108-95-2	PHENOL	10	U
62-53-3	ANILINE	10	U
111-44-4	BIS(2-CHLOROETHYL)ETHER	10	U
95-57-8	2-CHLOROPHENOL	10	U
541-73-1	1,3-DICHLOROBENZENE	10	U
106-46-7	1,4-DICHLOROBENZENE	10	U
100-51-6	BENZYL ALCOHOL	10	U
95-50-1	1,2-DICHLOROBENZENE	10	U
95-48-7	2-METHYLPHENOL	10	U
39638-32-9	BIS(2-CHLOROISOPROPYL)ETHER	10	U
106-44-5	4-METHYLPHENOL	10	U
621-64-7	N-NITROSO-DI-N-PROPYLAMINE	10	U
67-72-1	HEXACHLOROETHANE	10	U
98-95-3	NITROBENZENE	10	U
78-59-1	ISOPHORONE	10	U
88-75-5	2-NITROPHENOL	10	U
105-67-9	2,4-DIMETHYLPHENOL	10	U
111-91-1	BIS(2-CHLOROETHOXY)METHANE	10	U
120-83-2	2,4-DICHLOROPHENOL	10	U
120-82-1	1,2,4-TRICHLOROBENZENE	10	U
91-20-3	NAPHTHALENE	10	U
106-47-8	4-CHLOROANILINE	10	U
87-68-3	HEXACHLOROBUTADIENE	10	U
59-50-7	4-CHLORO-3-METHYLPHENOL	10	U
91-57-6	2-METHYLNAPHTHALENE	10	U
77-47-4	HEXACHLOROCYCLOPENTADIENE	10	U
88-06-2	2,4,6-TRICHLOROPHENOL	10	U
95-95-4	2,4,5-TRICHLOROPHENOL	50	U
91-58-7	2-CHLORONAPHTHALENE	10	U
88-74-4	2-NITROANILINE	50	U
131-11-3	DIMETHYLPHTHALATE	10	U
208-96-8	ACENAPHTHYLENE	10	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO

TCCSW15W0[illegible]3

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG8

Matrix: (soil/water) WATER Lab Sample ID: P198821

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP05199207

Level: (low/med) LOW Date Received: 05/07/92

% Moisture: not dec. ____ dec. ____ Date Extracted: 05/13/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 05/19/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
606-20-2	2,6-DINITRITOLUENE	10	U
99-09-2	3-NITROANILINE	50	U
83-32-9	ACENAPHTHENE	10	U
51-28-5	2,4-DINITROPHENOL	50	U
100-02-7	4-NITROPHENOL	50	U
132-64-9	DIBENZOFURAN	10	U
121-14-2	2,4-DINITROTOLUENE	10	U
84-66-2	DIETHYLPHTHALATE	10	U
7005-72-3	4-CHLOROPHENYL-PHENYLETHER	10	U
86-73-7	FLUORENE	10	U
100-10-6	4-NITROANILINE	50	U
534-52-1	4,6-DINITRO-2-METHYLPHENOL	50	U
86-30-6	N-NITROSODIPHENYLAMINE (1)	10	U
101-55-3	4-BROMOPHENYL-PHENYLETHER	10	U
118-74-1	HEXACHLOROBENZENE	10	U
87-86-5	PENTACHLOROPHENOL	50	U
85-01-8	PHENANTHRENE	10	U
120-12-7	ANTHRACENE	10	U
84-74-2	DI-N-BUTYLPHTHALATE	10	U
206-44-0	FLUORANTHENE	10	U
92-87-5	BENZIDINE	50	U
129-00-0	PYRENE	10	U
85-68-7	BUTYLBENZYLPHTHALATE	10	U
91-94-1	3,3'-DICHLOROBENZIDINE	20	U
56-55-3	BENZO(A)ANTHRACENE	10	U
218-01-9	CHRYSENE	10	U
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	10	U
117-84-0	DI-N-OCTYL PHTHALATE	10	U
205-99-2	BENZO(B)FLUORANTHENE	10	U
207-08-9	BENZO(K)FLUORANTHENE	10	U
50-32-8	BENZO(A)PYRENE	10	U
193-39-5	INDENO(1,2,3-CD)PYRENE	10	U
53-70-3	DIBENZO(A,H)ANTHRACENE	10	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO

TCCSW15W0[illegible]3

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG8

Matrix: (soil/water) WATER Lab Sample ID: P198821

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP05199207

Level: (low/med) LOW Date Received: 05/07/92

% Moisture: not dec. _____ dec. _____ Date Extracted: 05/13/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 05/19/92

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
606-20-2	2,6-DINITRITOLUENE	10	U
99-09-2	3-NITROANILINE	50	U
83-32-9	ACENAPHTHENE	10	U
51-28-5	2,4-DINITROPHENOL	50	U
100-02-7	4-NITROPHENOL	50	U
132-64-9	DIBENZOFURAN	10	U
121-14-2	2,4-DINITROTOLUENE	10	U
84-66-2	DIETHYLPHTHALATE	10	U
7005-72-3	4-CHLOROPHENYL-PHENYLETHER	10	U
86-73-7	FLUORENE	10	U
100-10-6	4-NITROANILINE	50	U
534-52-1	4,6-DINITRO-2-METHYLPHENOL	50	U
86-30-6	N-NITROSODIPHENYLAMINE (1)	10	U
101-55-3	4-BROMOPHENYL-PHENYLETHER	10	U
118-74-1	HEXACHLOROBENZENE	10	U
87-86-5	PENTACHLOROPHENOL	50	U
85-01-8	PHENANTHRENE	10	U
120-12-7	ANTHRACENE	10	U
84-74-2	DI-N-BUTYLPHTHALATE	10	U
206-44-0	FLUORANTHENE	10	U
92-87-5	BENZIDINE	50	U
129-00-0	PYRENE	10	U
85-68-7	BUTYLBENZYLPHTHALATE	10	U
91-94-1	3,3'-DICHLOROBENZIDINE	20	U
56-55-3	BENZO(A)ANTHRACENE	10	U
218-01-9	CHRYSENE	10	U
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	10	U
117-84-0	DI-N-OCTYL PHTHALATE	10	U
205-99-2	BENZO(B)FLUORANTHENE	10	U
207-08-9	BENZO(K)FLUORANTHENE	10	U
50-32-8	BENZO(A)PYRENE	10	U
193-39-5	INDENO(1,2,3-CD)PYRENE	10	U
53-70-3	DIBENZO(A,H)ANTHRACENE	10	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO

TCCSW15W0003

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG8

Matrix: (soil/water) WATER Lab Sample ID: P198821

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP05199207

Level: (low/med) LOW Date Received: 05/07/92

% Moisture: not dec. ____ dec. ____ Date Extracted: 05/13/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 05/19/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
191-24-2	BENZO(G,H,I)PERYLENE	10	U
58-90-2	2,3,4,6-TETRACHLOROPHENOL	10	U
109-06-8	2-PICOLINE	10	~~U~~ UJ
62-50-0	METHANESULFONIC ACID, ETHYL E	10	U
100-75-4	N-NITROSOPIPERIDINE	20	U
87-65-0	2,6-DICHLOROPHENOL	10	U
924-16-3	NITROSO-DI-N-BUTYLAMINE	10	U
66-27-3	METHANESULFONIC ACID, METHYL	10	U
98-86-2	ACETOPHENONE	10	U
122-09-8	A,A-DIMETHYLPHENETHYLAMINE	10	~~U~~ UJ
608-93-5	PENTACHLOROBENZENE	10	U
92-67-1	4-AMINOBIPHENYL	10	U
60-11-7	P-DIMETHYLAMINOAZOBENZENE	10	U
57-97-6	7,12-DIMETHYLBENZ(A)ANTHRACEN	10	U
95-94-3	1,2,4,5-TETRACHLOROBENZENE	10	U
122-39-4	DIPHENYLAMINE	10	U
62-44-2	PHENACETIN	10	U
56-49-5	3-METHYLCHOLANTHRENE	10	U
23950-58-5	PRONAMIDE	10	~~U~~ UJ
91-59-8	2-NAPHTHALENEAMINE	10	U
106-50-3	P-PHENYLENEDIAMINE	50	U
120-58-1	ISOSAFROLE	10	~~U~~ UJ
99-55-8	5-NITRO-O-TOLUIDINE	10	U
56-57-5	4-NITROQUINOLINE 1-OXIDE	~~50~~	~~U~~ R
91-80-5	METHAPYRILENE	10	~~U~~ UJ
781-73-7	2-ACETYLAMINOFLUORENE	10	U
10595-95-6	N-NITROSOMETHYLETHYLAMINE	10	~~U~~ UJ
55-18-5	N-NITROSODIETHYLAMINE	10	U
930-55-2	N-NITROSOPYRROLIDINE	10	U
59-89-2	N-NITROSOMORPHOLINE	10	~~U~~ UJ
95-53-4	O-TOLUIDINE	10	U
1981-0-0	0,0,0-TRIETHYLPHOSPHOROTHIOAT	50	U
94-59-7	SAFROLE	10	U

SAMPLE NO

TCCSW15W0003

1X
ORGANICS ANALYSIS DATA SHEET

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG8

Matrix: (soil/water) WATER Lab Sample ID: P198821

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP05199207

Level: (low/med) LOW Date Received: 05/07/92

% Moisture: not dec. ____ dec. ____ Date Extracted: 05/13/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 05/19/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
191-24-2	BENZO(G,H,I)PERYLENE	10	U
58-90-2	2,3,4,6-TETRACHLOROPHENOL	10	U
109-06-8	2-PICOLINE	10	~~U~~ UJ
62-50-0	METHANESULFONIC ACID, ETHYL E	10	U
100-75-4	N-NITROSOPIPERIDINE	20	U
87-65-0	2,6-DICHLOROPHENOL	10	U
924-16-3	NITROSO-DI-N-BUTYLAMINE	10	U
66-27-3	METHANESULFONIC ACID, METHYL	10	U
98-86-2	ACETOPHENONE	10	U
122-09-8	A,A-DIMETHYLPHENETHYLAMINE	10	~~U~~ UJ
608-93-5	PENTACHLOROBENZENE	10	U
92-67-1	4-AMINOBIPHENYL	10	U
60-11-7	P-DIMETHYLAMINOAZOBENZENE	10	U
57-97-6	7,12-DIMETHYLBENZ(A)ANTHRACEN	10	U
95-94-3	1,2,4,5-TETRACHLOROBENZENE	10	U
122-39-4	DIPHENYLAMINE	10	U
62-44-2	PHENACETIN	10	U
56-49-5	3-METHYLCHOLANTHRENE	10	U
23950-58-5	PRONAMIDE	10	~~U~~ UJ
91-59-8	2-NAPHTHALENEAMINE	10	U
106-50-3	P-PHENYLENEDIAMINE	50	U
120-58-1	ISOSAFROLE	10	~~U~~ UJ
99-55-8	5-NITRO-O-TOLUIDINE	10	U
56-57-5	4-NITROQUINOLINE 1-OXIDE	~~50~~	~~U~~ R
91-80-5	METHAPYRILENE	10	~~U~~ UJ
781-73-7	2-ACETYLAMINOFLUORENE	10	U
10595-95-6	N-NITROSOMETHYLETHYLAMINE	10	~~U~~ UJ
55-18-5	N-NITROSODIETHYLAMINE	10	U
930-55-2	N-NITROSOPYRROLIDINE	10	U
59-89-2	N-NITROSOMORPHOLINE	10	~~U~~ UJ
95-53-4	O-TOLUIDINE	10	U
1981-0-0	0,0,0-TRIETHYLPHOSPHOROTHIOAT	50	U
94-59-7	SAFROLE	10	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO

TCCSW15W

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG8

Matrix: (soil/water) WATER Lab Sample ID: P198821

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP05199207

Level: (low/med) LOW Date Received: 05/07/92

% Moisture: not dec. ____ dec. ____ Date Extracted: 05/13/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 05/19/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
130-15-4	1,4-NAPHTHOQUINONE	50	~~U~~ UJ
99-35-4	1,3,5-TRINITROBENZENE	50	~~U~~ UJ
1888-71-7	HEXACHLOROPROPENE	~~50~~	~~U~~ R
99-65-0	1,3-DINITROBENZENE	20	~~U~~ UJ
70-30-4	HEXACHLOROPHENE	1000	~~U~~ UJ
60-51-5	DIMETHOATE	10	~~U~~ UJ
2303-16-4	DIALLATE	10	U
110-86-1	PYRIDINE	10	~~U~~ UJ
140-57-8	ARAMITE	50	~~U~~ UJ
88-85-7	2-SEC-BUTYL-4,6-DINITROPHENOL	10	U
108-39-4	M-CRESOL	10	U
82-68-8	PENTACHLORONITROBENZENE	10	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO

TCCSW15W

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG8

Matrix: (soil/water) WATER Lab Sample ID: P198821

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP05199207

Level: (low/med) LOW Date Received: 05/07/92

% Moisture: not dec. ____ dec. ____ Date Extracted: 05/13/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 05/19/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
130-15-4	1,4-NAPHTHOQUINONE	50	~~U~~ UJ
99-35-4	1,3,5-TRINITROBENZENE	50	~~U~~ UJ
1888-71-7	HEXACHLOROPROPENE	~~50~~	~~U~~ R
99-65-0	1,3-DINITROBENZENE	20	~~U~~ UJ
70-30-4	HEXACHLOROPHENE	1000	~~U~~ UJ
60-51-5	DIMETHOATE	10	~~U~~ UJ
2303-16-4	DIALLATE	10	U
110-86-1	PYRIDINE	10	~~U~~ UJ
140-57-8	ARAMITE	50	~~U~~ UJ
88-85-7	2-SEC-BUTYL-4,6-DINITROPHENOL	10	U
108-39-4	M-CRESOL	10	U
82-68-8	PENTACHLORONITROBENZENE	10	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO

TECSW22W0003

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG8

Matrix: (soil/water) WATER Lab Sample ID: P198820

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP05199206

Level: (low/med) LOW Date Received: 05/07/92

% Moisture: not dec. ____ dec. ____ Date Extracted: 05/13/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 05/19/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
62-75-9	N-NITROSODIMETHYLAMINE	10	U
108-95-2	PHENOL	10	U
62-53-3	ANILINE	10	U
111-44-4	BIS(2-CHLOROETHYL)ETHER	10	U
95-57-8	2-CHLOROPHENOL	10	U
541-73-1	1,3-DICHLOROBENZENE	10	U
106-46-7	1,4-DICHLOROBENZENE	10	U
100-51-6	BENZYL ALCOHOL	10	U
95-50-1	1,2-DICHLOROBENZENE	10	U
95-48-7	2-METHYLPHENOL	10	U
39638-32-9	BIS(2-CHLOROISOPROPYL)ETHER	10	U
106-44-5	4-METHYLPHENOL	10	U
621-64-7	N-NITROSO-DI-N-PROPYLAMINE	10	U
67-72-1	HEXACHLOROETHANE	10	U
98-95-3	NITROBENZENE	10	U
78-59-1	ISOPHORONE	10	U
88-75-5	2-NITROPHENOL	10	U
105-67-9	2,4-DIMETHYLPHENOL	10	U
111-91-1	BIS(2-CHLOROETHOXY)METHANE	10	U
120-83-2	2,4-DICHLOROPHENOL	10	U
120-82-1	1,2,4-TRICHLOROBENZENE	10	U
91-20-3	NAPHTHALENE	10	U
106-47-8	4-CHLOROANILINE	10	U
87-68-3	HEXACHLOROBUTADIENE	10	U
59-50-7	4-CHLORO-3-METHYLPHENOL	10	U
91-57-6	2-METHYLNAPHTHALENE	10	U
77-47-4	HEXACHLOROCYCLOPENTADIENE	10	U
88-06-2	2,4,6-TRICHLOROPHENOL	10	U
95-95-4	2,4,5-TRICHLOROPHENOL	50	U
91-58-7	2-CHLORONAPHTHALENE	10	U
88-74-4	2-NITROANILINE	50	U
131-11-3	DIMETHYLPHTHALATE	10	U
208-96-8	ACENAPHTHYLENE	10	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO

TECSW22W0003

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG8

Matrix: (soil/water) WATER Lab Sample ID: P198820

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP05199206

Level: (low/med) LOW Date Received: 05/07/92

% Moisture: not dec. ____ dec. ____ Date Extracted: 05/13/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 05/19/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
62-75-9	N-NITROSODIMETHYLAMINE	10	U
108-95-2	PHENOL	10	U
62-53-3	ANILINE	10	U
111-44-4	BIS(2-CHLOROETHYL)ETHER	10	U
95-57-8	2-CHLOROPHENOL	10	U
541-73-1	1,3-DICHLOROBENZENE	10	U
106-46-7	1,4-DICHLOROBENZENE	10	U
100-51-6	BENZYL ALCOHOL	10	U
95-50-1	1,2-DICHLOROBENZENE	10	U
95-48-7	2-METHYLPHENOL	10	U
39638-32-9	BIS(2-CHLOROISOPROPYL)ETHER	10	U
106-44-5	4-METHYLPHENOL	10	U
621-64-7	N-NITROSO-DI-N-PROPYLAMINE	10	U
67-72-1	HEXACHLOROETHANE	10	U
98-95-3	NITROBENZENE	10	U
78-59-1	ISOPHORONE	10	U
88-75-5	2-NITROPHENOL	10	U
105-67-9	2,4-DIMETHYLPHENOL	10	U
111-91-1	BIS(2-CHLOROETHOXY)METHANE	10	U
120-83-2	2,4-DICHLOROPHENOL	10	U
120-82-1	1,2,4-TRICHLOROBENZENE	10	U
91-20-3	NAPHTHALENE	10	U
106-47-8	4-CHLOROANILINE	10	U
87-68-3	HEXACHLOROBUTADIENE	10	U
59-50-7	4-CHLORO-3-METHYLPHENOL	10	U
91-57-6	2-METHYLNAPHTHALENE	10	U
77-47-4	HEXACHLOROCYCLOPENTADIENE	10	U
88-06-2	2,4,6-TRICHLOROPHENOL	10	U
95-95-4	2,4,5-TRICHLOROPHENOL	50	U
91-58-7	2-CHLORONAPHTHALENE	10	U
88-74-4	2-NITROANILINE	50	U
131-11-3	DIMETHYLPHTHALATE	10	U
208-96-8	ACENAPHTHYLENE	10	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO

TECSW22W0[illegible]3

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG8

Matrix: (soil/water) WATER Lab Sample ID: P198820

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP05199206

Level: (low/med) LOW Date Received: 05/07/92

% Moisture: not dec. ____ dec. ____ Date Extracted: 05/13/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 05/19/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
606-20-2	2,6-DINITRITOLUENE	10	U
99-09-2	3-NITROANILINE	50	U
83-32-9	ACENAPHTHENE	10	U
51-28-5	2,4-DINITROPHENOL	50	U
100-02-7	4-NITROPHENOL	50	U
132-64-9	DIBENZOFURAN	10	U
121-14-2	2,4-DINITROTOLUENE	10	U
84-66-2	DIETHYLPHTHALATE	10	U
7005-72-3	4-CHLOROPHENYL-PHENYLETHER	10	U
86-73-7	FLUORENE	10	U
100-10-6	4-NITROANILINE	50	U
534-52-1	4,6-DINITRO-2-METHYLPHENOL	50	U
86-30-6	N-NITROSODIPHENYLAMINE (1)	10	U
101-55-3	4-BROMOPHENYL-PHENYLETHER	10	U
118-74-1	HEXACHLOROBENZENE	10	U
87-86-5	PENTACHLOROPHENOL	50	U
85-01-8	PHENANTHRENE	10	U
120-12-7	ANTHRACENE	10	U
84-74-2	DI-N-BUTYLPHTHALATE	10	U
206-44-0	FLUORANTHENE	10	U
92-87-5	BENZIDINE	50	U
129-00-0	PYRENE	10	U
85-68-7	BUTYLBENZYLPHTHALATE	10	U
91-94-1	3,3'-DICHLOROBENZIDINE	20	U
56-55-3	BENZO(A)ANTHRACENE	10	U
218-01-9	CHRYSENE	10	U
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	10	U
117-84-0	DI-N-OCTYL PHTHALATE	10	U
205-99-2	BENZO(B)FLUORANTHENE	10	U
207-08-9	BENZO(K)FLUORANTHENE	10	U
50-32-8	BENZO(A)PYRENE	10	U
193-39-5	INDENO(1,2,3-CD)PYRENE	10	U
53-70-3	DIBENZO(A,H)ANTHRACENE	10	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO

TECSW22W0[illegible]3

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG8

Matrix: (soil/water) WATER Lab Sample ID: P198820

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP05199206

Level: (low/med) LOW Date Received: 05/07/92

% Moisture: not dec. ____ dec. ____ Date Extracted: 05/13/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 05/19/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
606-20-2	2,6-DINITRITOLUENE	10	U
99-09-2	3-NITROANILINE	50	U
83-32-9	ACENAPHTHENE	10	U
51-28-5	2,4-DINITROPHENOL	50	U
100-02-7	4-NITROPHENOL	50	U
132-64-9	DIBENZOFURAN	10	U
121-14-2	2,4-DINITROTOLUENE	10	U
84-66-2	DIETHYLPHTHALATE	10	U
7005-72-3	4-CHLOROPHENYL-PHENYLETHER	10	U
86-73-7	FLUORENE	10	U
100-10-6	4-NITROANILINE	50	U
534-52-1	4,6-DINITRO-2-METHYLPHENOL	50	U
86-30-6	N-NITROSODIPHENYLAMINE (1)	10	U
101-55-3	4-BROMOPHENYL-PHENYLETHER	10	U
118-74-1	HEXACHLOROBENZENE	10	U
87-86-5	PENTACHLOROPHENOL	50	U
85-01-8	PHENANTHRENE	10	U
120-12-7	ANTHRACENE	10	U
84-74-2	DI-N-BUTYLPHTHALATE	10	U
206-44-0	FLUORANTHENE	10	U
92-87-5	BENZIDINE	50	U
129-00-0	PYRENE	10	U
85-68-7	BUTYLBENZYLPHTHALATE	10	U
91-94-1	3,3'-DICHLOROBENZIDINE	20	U
56-55-3	BENZO(A)ANTHRACENE	10	U
218-01-9	CHRYSENE	10	U
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	10	U
117-84-0	DI-N-OCTYL PHTHALATE	10	U
205-99-2	BENZO(B)FLUORANTHENE	10	U
207-08-9	BENZO(K)FLUORANTHENE	10	U
50-32-8	BENZO(A)PYRENE	10	U
193-39-5	INDENO(1,2,3-CD)PYRENE	10	U
53-70-3	DIBENZO(A,H)ANTHRACENE	10	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TECSW22W0003

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG8

Matrix: (soil/water) WATER Lab Sample ID: P198820

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP05199206

Level: (low/med) LOW Date Received: 05/07/92

% Moisture: not dec. ____ dec. ____ Date Extracted: 05/13/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 05/19/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
191-24-2	BENZO(G,H,I)PERYLENE	10	U
58-90-2	2,3,4,6-TETRACHLOROPHENOL	10	U
109-06-8	2-PICOLINE	10	~~U~~ UJ
62-50-0	METHANESULFONIC ACID, ETHYL E	10	U
100-75-4	N-NITROSOPIPERIDINE	20	U
87-65-0	2,6-DICHLOROPHENOL	10	U
924-16-3	NITROSO-DI-N-BUTYLAMINE	10	U
66-27-3	METHANESULFONIC ACID, METHYL	10	U
98-86-2	ACETOPHENONE	10	U
122-09-8	A,A-DIMETHYLPHENETHYLAMINE	10	~~U~~ UJ
608-93-5	PENTACHLOROBENZENE	10	U
92-67-1	4-AMINOBIPHENYL	10	U
60-11-7	P-DIMETHYLAMINOAZOBENZENE	10	U
57-97-6	7,12-DIMETHYLBENZ(A)ANTHRACEN	10	U
95-94-3	1,2,4,5-TETRACHLOROBENZENE	10	U
122-39-4	DIPHENYLAMINE	10	U
62-44-2	PHENACETIN	10	U
56-49-5	3-METHYLCHOLANTHRENE	10	U
23950-58-5	PRONAMIDE	10	~~U~~ UJ
91-59-8	2-NAPHTHALENEAMINE	10	U
106-50-3	P-PHENYLENEDIAMINE	50	U
120-58-1	ISOSAFROLE	10	~~U~~ UJ
99-55-8	5-NITRO-O-TOLUIDINE	10	U
56-57-5	4-NITROQUINOLINE 1-OXIDE	~~50~~	~~U~~ R
91-80-5	METHAPYRILENE	10	~~U~~ UJ
781-73-7	2-ACETYLAMINOFLUORENE	10	U
10595-95-6	N-NITROSOMETHYLETHYLAMINE	10	~~U~~ UJ
55-18-5	N-NITROSODIETHYLAMINE	10	U
930-55-2	N-NITROSOPYRROLIDINE	10	U
59-89-2	N-NITROSOMORPHOLINE	10	~~U~~ UJ
95-53-4	O-TOLUIDINE	10	U
1981-0-0	0,0,0-TRIETHYLPHOSPHOROTHIOAT	50	U
94-59-7	SAFROLE	10	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TECSW22W0003

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG8

Matrix: (soil/water) WATER Lab Sample ID: P198820

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP05199206

Level: (low/med) LOW Date Received: 05/07/92

% Moisture: not dec. ____ dec. ____ Date Extracted: 05/13/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 05/19/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
191-24-2	BENZO(G,H,I)PERYLENE	10	U
58-90-2	2,3,4,6-TETRACHLOROPHENOL	10	U
109-06-8	2-PICOLINE	10	~~U~~ UJ
62-50-0	METHANESULFONIC ACID, ETHYL E	10	U
100-75-4	N-NITROSOPIPERIDINE	20	U
87-65-0	2,6-DICHLOROPHENOL	10	U
924-16-3	NITROSO-DI-N-BUTYLAMINE	10	U
66-27-3	METHANESULFONIC ACID, METHYL	10	U
98-86-2	ACETOPHENONE	10	U
122-09-8	A,A-DIMETHYLPHENETHYLAMINE	10	~~U~~ UJ
608-93-5	PENTACHLOROBENZENE	10	U
92-67-1	4-AMINOBIPHENYL	10	U
60-11-7	P-DIMETHYLAMINOAZOBENZENE	10	U
57-97-6	7,12-DIMETHYLBENZ(A)ANTHRACEN	10	U
95-94-3	1,2,4,5-TETRACHLOROBENZENE	10	U
122-39-4	DIPHENYLAMINE	10	U
62-44-2	PHENACETIN	10	U
56-49-5	3-METHYLCHOLANTHRENE	10	U
23950-58-5	PRONAMIDE	10	~~U~~ UJ
91-59-8	2-NAPHTHALENEAMINE	10	U
106-50-3	P-PHENYLENEDIAMINE	50	U
120-58-1	ISOSAFROLE	10	~~U~~ UJ
99-55-8	5-NITRO-O-TOLUIDINE	10	U
56-57-5	4-NITROQUINOLINE 1-OXIDE	~~50~~	~~U~~ R
91-80-5	METHAPYRILENE	10	~~U~~ UJ
781-73-7	2-ACETYLAMINOFLUORENE	10	U
10595-95-6	N-NITROSOMETHYLETHYLAMINE	10	~~U~~ UJ
55-18-5	N-NITROSODIETHYLAMINE	10	U
930-55-2	N-NITROSOPYRROLIDINE	10	U
59-89-2	N-NITROSOMORPHOLINE	10	~~U~~ UJ
95-53-4	O-TOLUIDINE	10	U
1981-0-0	0,0,0-TRIETHYLPHOSPHOROTHIOAT	50	U
94-59-7	SAFROLE	10	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO

TECSW22W

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG8

Matrix: (soil/water) WATER Lab Sample ID: P198820

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP05199206

Level: (low/med) LOW Date Received: 05/07/92

% Moisture: not dec. _____ dec. _____ Date Extracted: 05/13/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 05/19/92

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
130-15-4	1,4-NAPHTHOQUINONE	50	~~U~~ UJ
99-35-4	1,3,5-TRINITROBENZENE	50	~~U~~ UJ
1888-71-7	HEXACHLOROPROPENE	~~50~~	~~U~~ R
99-65-0	1,3-DINITROBENZENE	20	~~U~~ UJ
70-30-4	HEXACHLOROPHENE	1000	~~U~~ UJ
60-51-5	DIMETHOATE	10	~~U~~ UJ
2303-16-4	DIALLATE	10	U
110-86-1	PYRIDINE	10	~~U~~ UJ
140-57-8	ARAMITE	50	~~U~~ UJ
88-85-7	2-SEC-BUTYL-4,6-DINITROPHENOL	10	U
108-39-4	M-CRESOL	10	U
82-68-8	PENTACHLORONITROBENZENE	10	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO

TECSW22W

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG8

Matrix: (soil/water) WATER Lab Sample ID: P198820

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP05199206

Level: (low/med) LOW Date Received: 05/07/92

% Moisture: not dec. ____ dec. ____ Date Extracted: 05/13/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 05/19/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
130-15-4	1,4-NAPHTHOQUINONE	50	~~U~~ UJ
99-35-4	1,3,5-TRINITROBENZENE	50	~~U~~ UJ
1888-71-7	HEXACHLOROPROPENE	~~50~~	~~U~~ R
99-65-0	1,3-DINITROBENZENE	20	~~U~~ UJ
70-30-4	HEXACHLOROPHENE	1000	~~U~~ UJ
60-51-5	DIMETHOATE	10	~~U~~ UJ
2303-16-4	DIALLATE	10	U
110-86-1	PYRIDINE	10	~~U~~ UJ
140-57-8	ARAMITE	50	~~U~~ UJ
88-85-7	2-SEC-BUTYL-4,6-DINITROPHENOL	10	U
108-39-4	M-CRESOL	10	U
82-68-8	PENTACHLORONITROBENZENE	10	U

E-23

VOLATILE ORGANIC COMPOUNDS IN SURFACE WATER - MAY 1992

E-23

VOLATILE ORGANIC COMPOUNDS IN SURFACE WATER - MAY 1992

1X

ORGANICS ANALYSIS DATA SHEET

SAMPLE N

TKCSW01W00C

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKGB

Matrix: (soil/water) WATER Lab Sample ID: P198835

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: DVP05209201

Level: (low/med) LOW Date Received: 05/06/92

% Moisture: not dec. ____ Date Analyzed: 05/20/92

Column Type: (Pack/Cap/Wide) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	CHLOROMETHANE	10	U
74-83-9	BROMOMETHANE	10	U
75-01-4	VINYL CHLORIDE	10	U
75-00-3	CHLOROETHANE	10	U
75-09-2	METHYLENE CHLORIDE	5	U
67-64-1	ACETONE	28	J
75-15-0	CARBON DISULFIDE	5	U
75-35-4	1,1-DICHLOROETHENE	5	U
75-34-3	1,1-DICHLOROETHANE	5	U
156-60-5	TRANS-1,2-DICHLOROETHENE	5	U
67-66-3	CHLOROFORM	5	U
107-06-2	1,2-DICHLOROETHANE	5	~~U~~ UJ
78-93-3	2-BUTANONE	10	U
71-55-6	1,1,1-TRICHLOROETHANE	5	U
56-23-5	CARBON TETRACHLORIDE	5	U
108-05-4	VINYL ACETATE	10	~~U~~ UJ
75-27-4	BROMODICHLOROMETHANE	5	U
78-87-5	1,2-DICHLOROPROPANE	5	U
10061-01-5	CIS-1,3-DICHLOROPROPENE	5	U
79-01-6	TRICHLOROETHENE	5	U
124-48-1	DIBROMOCHLOROMETHANE	5	U
79-00-5	1,1,2-TRICHLOROETHANE	5	U
71-43-2	BENZENE	5	U
10061-02-6	TRANS-1,3-DICHLOROPROPENE	5	U
75-25-2	BROMOFORM	5	U
108-10-1	4-METHYL-2-PENTANONE	6	~~U~~ J
591-78-6	2-HEXANONE	10	~~U~~ UJ
127-18-4	TETRACHLOROETHENE	5	U
79-34-5	1,1,2,2-TETRACHLOROETHANE	5	U
108-88-3	TOLUENE	5	U
108-90-7	CHLOROBENZENE	5	U
100-41-4	ETHYLBENZENE	5	U
100-42-5	STYRENE	5	U
1330-20-7	XYLENE (TOTAL)	5	U

SAMPLE N

TKCSW01W00C

1X

ORGANICS ANALYSIS DATA SHEET

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKGB

Matrix: (soil/water) WATER Lab Sample ID: P198835

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: DVP05209201

Level: (low/med) LOW Date Received: 05/06/92

% Moisture: not dec. ____ Date Analyzed: 05/20/92

Column Type: (Pack/Cap/Wide) CAP Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
74-87-3	CHLOROMETHANE	10	U
74-83-9	BROMOMETHANE	10	U
75-01-4	VINYL CHLORIDE	10	U
75-00-3	CHLOROETHANE	10	U
75-09-2	METHYLENE CHLORIDE	5	U
67-64-1	ACETONE	28	J
75-15-0	CARBON DISULFIDE	5	U
75-35-4	1,1-DICHLOROETHENE	5	U
75-34-3	1,1-DICHLOROETHANE	5	U
156-60-5	TRANS-1,2-DICHLOROETHENE	5	U
67-66-3	CHLOROFORM	5	U
107-06-2	1,2-DICHLOROETHANE	5	~~U~~ UJ
78-93-3	2-BUTANONE	10	U
71-55-6	1,1,1-TRICHLOROETHANE	5	U
56-23-5	CARBON TETRACHLORIDE	5	U
108-05-4	VINYL ACETATE	10	~~U~~ UJ
75-27-4	BROMODICHLOROMETHANE	5	U
78-87-5	1,2-DICHLOROPROPANE	5	U
10061-01-5	CIS-1,3-DICHLOROPROPENE	5	U
79-01-6	TRICHLOROETHENE	5	U
124-48-1	DIBROMOCHLOROMETHANE	5	U
79-00-5	1,1,2-TRICHLOROETHANE	5	U
71-43-2	BENZENE	5	U
10061-02-6	TRANS-1,3-DICHLOROPROPENE	5	U
75-25-2	BROMOFORM	5	U
108-10-1	4-METHYL-2-PENTANONE	6	~~U~~ J
591-78-6	2-HEXANONE	10	~~U~~ UJ
127-18-4	TETRACHLOROETHENE	5	U
79-34-5	1,1,2,2-TETRACHLOROETHANE	5	U
108-88-3	TOLUENE	5	U
108-90-7	CHLOROBENZENE	5	U
100-41-4	ETHYLBENZENE	5	U
100-42-5	STYRENE	5	U
1330-20-7	XYLENE (TOTAL)	5	U

1X

ORGANICS ANALYSIS DATA SHEET

SAMPLE

TKCSW01W00

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG8

Matrix: (soil/water) WATER Lab Sample ID: P198835

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: DVP05209201

Level: (low/med) LOW Date Received: 05/06/92

% Moisture: not dec. ____ Date Analyzed: 05/20/92

Column Type: (Pack/Cap/Wide) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
1684-42-0	ACROLEIN	100	U
107-13-1	ACRYLONITRILE	100	U
75-69-4	TRICHLOROFLUOROMETHANE	5	U
75-71-8	DICHLORODIFLUOROMETHANE	5	~~U~~ UJ
74-88-4	IODOMETHANE	5	U
74-95-3	METHYLENE BROMIDE	5	U
97-63-2	ETHYL METHYLACRYLATE	10	U
96-18-4	1,2,3-TRICHLOROPROPANE	10	U
110-57-6	1,4-DICHLORO-2-BUTENE (TOTAL)	5	U
107-05-1	ALLYL CHLORIDE	5	U
107-12-0	PROPIONITRILE	10	U
126-98-7	METHACRYLONITRILE	5	U
74-88-4	METHYLMETHACRYLATE	10	U
106-93-4	1,2-DIBROMOETHANE	5	U
630-20-6	1,1,1,2-TETRACHLOROETHANE	10	U
76-01-7	PENTACHLOROETHANE	10	~~U~~ UJ
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	10	U

1X

ORGANICS ANALYSIS DATA SHEET

SAMPLE

TKCSW01W00

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG8

Matrix: (soil/water) WATER Lab Sample ID: P198835

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: DVP05209201

Level: (low/med) LOW Date Received: 05/06/92

% Moisture: not dec. ____ Date Analyzed: 05/20/92

Column Type: (Pack/Cap/Wide) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
1684-42-0	ACROLEIN	100	U
107-13-1	ACRYLONITRILE	100	U
75-69-4	TRICHLOROFLUOROMETHANE	5	U
75-71-8	DICHLORODIFLUOROMETHANE	5	~~U~~ UJ
74-88-4	IODOMETHANE	5	U
74-95-3	METHYLENE BROMIDE	5	U
97-63-2	ETHYL METHYLACRYLATE	10	U
96-18-4	1,2,3-TRICHLOROPROPANE	10	U
110-57-6	1,4-DICHLORO-2-BUTENE (TOTAL)	5	U
107-05-1	ALLYL CHLORIDE	5	U
107-12-0	PROPIONITRILE	10	U
126-98-7	METHACRYLONITRILE	5	U
74-88-4	METHYLMETHACRYLATE	10	U
106-93-4	1,2-DIBROMOETHANE	5	U
630-20-6	1,1,1,2-TETRACHLOROETHANE	10	U
76-01-7	PENTACHLOROETHANE	10	~~U~~ UJ
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	10	U

1X

ORGANICS ANALYSIS DATA SHEET

SAMPLE

TCCSW05W00

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG8

Matrix: (soil/water) WATER Lab Sample ID: P198842

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: DVP05209206

Level: (low/med) LOW Date Received: 05/07/92

% Moisture: not dec. _____ Date Analyzed: 05/20/92

Column Type: (Pack/Cap/Wide) CAP Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
74-87-3	CHLOROMETHANE	10	U
74-83-9	BROMOMETHANE	10	U
75-01-4	VINYL CHLORIDE	10	U
75-00-3	CHLOROETHANE	10	U
75-09-2	METHYLENE CHLORIDE	5	U
67-64-1	ACETONE	32	J
75-15-0	CARBON DISULFIDE	5	U
75-35-4	1,1-DICHLOROETHENE	5	U
75-34-3	1,1-DICHLOROETHANE	5	U
156-60-5	TRANS-1,2-DICHLOROETHENE	5	U
67-66-3	CHLOROFORM	5	U
107-06-2	1,2-DICHLOROETHANE	5	~~U~~ UJ
78-93-3	2-BUTANONE	10 ~~U~~	~~UJ~~ U
71-55-6	1,1,1-TRICHLOROETHANE	5	U
56-23-5	CARBON TETRACHLORIDE	5	U
108-05-4	VINYL ACETATE	10	~~U~~ UJ
75-27-4	BROMODICHLOROMETHANE	5	U
78-87-5	1,2-DICHLOROPROPANE	5	U
10061-01-5	CIS-1,3-DICHLOROPROPENE	5	U
79-01-6	TRICHLOROETHENE	5	U
124-48-1	DIBROMOCHLOROMETHANE	5	U
79-00-5	1,1,2-TRICHLOROETHANE	5	U
71-43-2	BENZENE	5	U
10061-02-6	TRANS-1,3-DICHLOROPROPENE	5	U
75-25-2	BROMOFORM	5	U
108-10-1	4-METHYL-2-PENTANONE	6	~~J~~ J
591-78-6	2-HEXANONE	10	~~U~~ UJ
127-18-4	TETRACHLOROETHENE	5	U
79-34-5	1,1,2,2-TETRACHLOROETHANE	5	U
108-88-3	TOLUENE	5	U
108-90-7	CHLOROBENZENE	5	U
100-41-4	ETHYLBENZENE	5	U
100-42-5	STYRENE	5	U
1330-20-7	XYLENE (TOTAL)	5	U

1X

ORGANICS ANALYSIS DATA SHEET

SAMPLE

TCCSW05W00

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG8

Matrix: (soil/water) WATER Lab Sample ID: P198842

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: DVP05209206

Level: (low/med) LOW Date Received: 05/07/92

% Moisture: not dec. ____ Date Analyzed: 05/20/92

Column Type: (Pack/Cap/Wide) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	CHLOROMETHANE	10	U
74-83-9	BROMOMETHANE	10	U
75-01-4	VINYL CHLORIDE	10	U
75-00-3	CHLOROETHANE	10	U
75-09-2	METHYLENE CHLORIDE	5	U
67-64-1	ACETONE	32	J
75-15-0	CARBON DISULFIDE	5	U
75-35-4	1,1-DICHLOROETHENE	5	U
75-34-3	1,1-DICHLOROETHANE	5	U
156-60-5	TRANS-1,2-DICHLOROETHENE	5	U
67-66-3	CHLOROFORM	5	U
107-06-2	1,2-DICHLOROETHANE	5	~~U~~ UJ
78-93-3	2-BUTANONE	10 ~~U~~	~~U~~ UJ
71-55-6	1,1,1-TRICHLOROETHANE	5	U
56-23-5	CARBON TETRACHLORIDE	5	U
108-05-4	VINYL ACETATE	10	~~U~~ UJ
75-27-4	BROMODICHLOROMETHANE	5	U
78-87-5	1,2-DICHLOROPROPANE	5	U
10061-01-5	CIS-1,3-DICHLOROPROPENE	5	U
79-01-6	TRICHLOROETHENE	5	U
124-48-1	DIBROMOCHLOROMETHANE	5	U
79-00-5	1,1,2-TRICHLOROETHANE	5	U
71-43-2	BENZENE	5	U
10061-02-6	TRANS-1,3-DICHLOROPROPENE	5	U
75-25-2	BROMOFORM	5	U
108-10-1	4-METHYL-2-PENTANONE	6	~~U~~ J
591-78-6	2-HEXANONE	10	~~U~~ UJ
127-18-4	TETRACHLOROETHENE	5	U
79-34-5	1,1,2,2-TETRACHLOROETHANE	5	U
108-88-3	TOLUENE	5	U
108-90-7	CHLOROBENZENE	5	U
100-41-4	ETHYLBENZENE	5	U
100-42-5	STYRENE	5	U
1330-20-7	XYLENE (TOTAL)	5	U

1X

ORGANICS ANALYSIS DATA SHEET

SAMPLE

TCCSW05W00

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG8

Matrix: (soil/water) WATER Lab Sample ID: P198842

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: DVP05209206

Level: (low/med) LOW Date Received: 05/07/92

% Moisture: not dec. ____ Date Analyzed: 05/20/92

Column Type: (Pack/Cap/Wide) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
1684-42-0	ACROLEIN	100	U
107-13-1	ACRYLONITRILE	100	U
75-69-4	TRICHLOROFLUOROMETHANE	5	U
75-71-8	DICHLORODIFLUOROMETHANE	5	~~U~~ UJ
74-88-4	IODOMETHANE	5	U
74-95-3	METHYLENE BROMIDE	5	U
97-63-2	ETHYL METHYLACRYLATE	10	U
96-18-4	1,2,3-TRICHLOROPROPANE	10	U
110-57-6	1,4-DICHLORO-2-BUTENE (TOTAL)	5	U
107-05-1	ALLYL CHLORIDE	5	U
107-12-0	PROPIONITRILE	10	U
126-98-7	METHACRYLONITRILE	5	U
74-89-[illegible]	METHYLMETHACRYLATE	10	U
106-93-[illegible]	1,2-DIBROMOETHANE	5	U
630-20-[illegible]	1,1,1,2-TETRACHLOROETHANE	10	U
76-01-[illegible]	PENTACHLOROETHANE	10	~~U~~ UJ
96-12-[illegible]	1,2-DIBROMO-3-CHLOROPROPANE	10	U

1X

ORGANICS ANALYSIS DATA SHEET

SAMPLE

TCCSW05W00

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKGB

Matrix: (soil/water) WATER Lab Sample ID: P198842

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: DVP05209206

Level: (low/med) LOW Date Received: 05/07/92

% Moisture: not dec. ____ Date Analyzed: 05/20/92

Column Type: (Pack/Cap/Wide) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
1684-42-0	ACROLEIN	100	U
107-13-1	ACRYLONITRILE	100	U
75-69-4	TRICHLOROFLUOROMETHANE	5	U
75-71-8	DICHLORODIFLUOROMETHANE	5	~~U~~ UJ
74-88-4	IODOMETHANE	5	U
74-95-3	METHYLENE BROMIDE	5	U
97-63-2	ETHYL METHYLACRYLATE	10	U
96-18-4	1,2,3-TRICHLOROPROPANE	10	U
110-57-6	1,4-DICHLORO-2-BUTENE (TOTAL)	5	U
107-05-1	ALLYL CHLORIDE	5	U
107-12-0	PROPIONITRILE	10	U
126-98-7	METHACRYLONITRILE	5	U
74-89-5	METHYLMETHACRYLATE	10	U
106-93-4	1,2-DIBROMOETHANE	5	U
630-20-6	1,1,1,2-TETRACHLOROETHANE	10	U
76-01-7	PENTACHLOROETHANE	10	~~U~~ UJ
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	10	U

1X

ORGANICS ANALYSIS DATA SHEET

SAMPLE

TCCSW06C00

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG8

Matrix: (soil/water) WATER Lab Sample ID: P198837

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: DVP05209203

Level: (low/med) LOW Date Received: 05/06/92

% Moisture: not dec. ____ Date Analyzed: 05/20/92

Column Type: (Pack/Cap/Wide) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	CHLOROMETHANE	10	U
74-83-9	BROMOMETHANE	10	U
75-01-4	VINYL CHLORIDE	10	U
75-00-3	CHLOROETHANE	10	U
75-09-2	METHYLENE CHLORIDE	5	U
67-64-1	ACETONE	10	~~U~~ UJ
75-15-0	CARBON DISULFIDE	5	U
75-35-4	1,1-DICHLOROETHENE	5	U
75-34-3	1,1-DICHLOROETHANE	5	U
156-60-5	TRANS-1,2-DICHLOROETHENE	5	U
67-66-3	CHLOROFORM	5	U
107-06-2	1,2-DICHLOROETHANE	5	~~U~~ UJ
78-93-3	2-BUTANONE	10 ~~B~~	~~BJ~~ U
71-55-6	1,1,1-TRICHLOROETHANE	5	U
56-23-5	CARBON TETRACHLORIDE	5	U
108-05-4	VINYL ACETATE	10	~~U~~ UJ
75-27-4	BROMODICHLOROMETHANE	5	U
78-87-5	1,2-DICHLOROPROPANE	5	U
10061-01-5	CIS-1,3-DICHLOROPROPENE	5	U
79-01-6	TRICHLOROETHENE	5	U
124-48-1	DIBROMOCHLOROMETHANE	5	U
79-00-5	1,1,2-TRICHLOROETHANE	5	U
71-43-2	BENZENE	5	U
10061-02-6	TRANS-1,3-DICHLOROPROPENE	5	U
75-25-2	BROMOFORM	5	U
108-10-1	4-METHYL-2-PENTANONE	7	~~U~~ J
591-78-6	2-HEXANONE	10	~~U~~ UJ
127-18-4	TETRACHLOROETHENE	5	U
79-34-5	1,1,2,2-TETRACHLOROETHANE	5	U
108-88-3	TOLUENE	5	~~U~~ UJ
108-90-7	CHLOROBENZENE	5	U
100-41-4	ETHYLBENZENE	5	U
100-42-5	STYRENE	5	U
1330-20-7	XYLENE (TOTAL)	5	U

1X

ORGANICS ANALYSIS DATA SHEET

SAMPLE

TCCSW06C00

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG8

Matrix: (soil/water) WATER Lab Sample ID: P198837

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: DVP05209203

Level: (low/med) LOW Date Received: 05/06/92

% Moisture: not dec. ____ Date Analyzed: 05/20/92

Column Type: (Pack/Cap/Wide) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	CHLOROMETHANE	10	U
74-83-9	BROMOMETHANE	10	U
75-01-4	VINYL CHLORIDE	10	U
75-00-3	CHLOROETHANE	10	U
75-09-2	METHYLENE CHLORIDE	5	U
67-64-1	ACETONE	10	~~U~~ UJ
75-15-0	CARBON DISULFIDE	5	U
75-35-4	1,1-DICHLOROETHENE	5	U
75-34-3	1,1-DICHLOROETHANE	5	U
156-60-5	TRANS-1,2-DICHLOROETHENE	5	U
67-66-3	CHLOROFORM	5	U
107-06-2	1,2-DICHLOROETHANE	5	~~U~~ UJ
78-93-3	2-BUTANONE	10 ~~B~~	~~BJ~~ UJ
71-55-6	1,1,1-TRICHLOROETHANE	5	U
56-23-5	CARBON TETRACHLORIDE	5	U
108-05-4	VINYL ACETATE	10	~~U~~ UJ
75-27-4	BROMODICHLOROMETHANE	5	U
78-87-5	1,2-DICHLOROPROPANE	5	U
10061-01-5	CIS-1,3-DICHLOROPROPENE	5	U
79-01-6	TRICHLOROETHENE	5	U
124-48-1	DIBROMOCHLOROMETHANE	5	U
79-00-5	1,1,2-TRICHLOROETHANE	5	U
71-43-2	BENZENE	5	U
10061-02-6	TRANS-1,3-DICHLOROPROPENE	5	U
75-25-2	BROMOFORM	5	U
108-10-1	4-METHYL-2-PENTANONE	7	~~J~~ J
591-78-6	2-HEXANONE	10	~~U~~ UJ
127-18-4	TETRACHLOROETHENE	5	U
79-34-5	1,1,2,2-TETRACHLOROETHANE	5	U
108-88-3	TOLUENE	5	~~U~~ UJ
108-90-7	CHLOROBENZENE	5	U
100-41-4	ETHYLBENZENE	5	U
100-42-5	STYRENE	5	U
1330-20-7	XYLENE (TOTAL)	5	U

1X

ORGANICS ANALYSIS DATA SHEET

SAMPLE

TCCSW06C0

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PK68

Matrix: (soil/water) WATER Lab Sample ID: P198837

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: DVP0520920

Level: (low/med) LOW Date Received: 05/06/92

% Moisture: not dec. ____ Date Analyzed: 05/20/92

Column Type: (Pack/Cap/Wide) CAP Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
1684-42-0	ACROLEIN	100	U
107-13-1	ACRYLONITRILE	100	U
75-69-4	TRICHLOROFLUOROMETHANE	5	U
75-71-8	DICHLORODIFLUOROMETHANE	5	~~U~~ UJ
74-88-4	IODOMETHANE	5	U
74-95-3	METHYLENE BROMIDE	5	U
97-63-2	ETHYL METHYLACRYLATE	10	U
96-18-4	1,2,3-TRICHLOROPROPANE	10	U
110-57-6	1,4-DICHLORO-2-BUTENE (TOTAL)	5	U
107-05-1	ALLYL CHLORIDE	5	U
107-12-0	PROPIONITRILE	10	U
126-98-7	METHACRYLONITRILE	5	U
74-88-4	METHYLMETHACRYLATE	10	U
106-93-4	1,2-DIBROMOETHANE	5	U
630-20-6	1,1,1,2-TETRACHLOROETHANE	10	U
76-01-7	PENTACHLOROETHANE	10	~~U~~ UJ
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	10	U

1X

ORGANICS ANALYSIS DATA SHEET

SAMPLE

TCCSW06CO

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG8

Matrix: (soil/water) WATER Lab Sample ID: P198837

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: DVP0520920

Level: (low/med) LOW Date Received: 05/06/92

% Moisture: not dec. ____ Date Analyzed: 05/20/92

Column Type: (Pack/Cap/Wide) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
1684-42-0	ACROLEIN	100	U
107-13-1	ACRYLONITRILE	100	U
75-69-4	TRICHLOROFLUOROMETHANE	5	U
75-71-8	DICHLORODIFLUOROMETHANE	5	~~U~~ UJ
74-88-4	IODOMETHANE	5	U
74-95-3	METHYLENE BROMIDE	5	U
97-63-2	ETHYL METHYLACRYLATE	10	U
96-18-4	1,2,3-TRICHLOROPROPANE	10	U
110-57-6	1,4-DICHLORO-2-BUTENE (TOTAL)	5	U
107-05-1	ALLYL CHLORIDE	5	U
107-12-0	PROPIONITRILE	10	U
126-98-7	METHACRYLONITRILE	5	U
74-88-4	METHYLMETHACRYLATE	10	U
106-93-4	1,2-DIBROMOETHANE	5	U
630-20-6	1,1,1,2-TETRACHLOROETHANE	10	U
76-01-7	PENTACHLOROETHANE	10	~~U~~ UJ
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	10	U

1X

ORGANICS ANALYSIS DATA SHEET

SAMPLE N

TCCSW06W00

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKGB

Matrix: (soil/water) WATER Lab Sample ID: P198836

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: DVP05209202

Level: (low/med) LOW Date Received: 05/06/92

% Moisture: not dec. ____ Date Analyzed: 05/20/92

Column Type: (Pack/Cap/Wide) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	CHLOROMETHANE	10	U
74-83-9	BROMOMETHANE	10	U
75-01-4	VINYL CHLORIDE	10	U
75-00-3	CHLOROETHANE	10	U
75-09-2	METHYLENE CHLORIDE	5	~~B~~ U
67-64-1	ACETONE	37	J
75-15-0	CARBON DISULFIDE	5	U
75-35-4	1,1-DICHLOROETHENE	5	U
75-34-3	1,1-DICHLOROETHANE	5	U
156-60-5	TRANS-1,2-DICHLOROETHENE	5	U
67-66-3	CHLOROFORM	5	U
107-06-2	1,2-DICHLOROETHANE	5	~~J~~ UJ
78-93-3	2-BUTANONE	10 ~~J~~	~~J~~ U
71-55-6	1,1,1-TRICHLOROETHANE	5	U
56-23-5	CARBON TETRACHLORIDE	5	U
108-05-4	VINYL ACETATE	10	~~J~~ UJ
75-27-4	BROMODICHLOROMETHANE	5	U
78-87-5	1,2-DICHLOROPROPANE	5	U
10061-01-5	CIS-1,3-DICHLOROPROPENE	5	U
79-01-6	TRICHLOROETHENE	5	U
124-48-1	DIBROMOCHLOROMETHANE	5	U
79-00-5	1,1,2-TRICHLOROETHANE	5	U
71-43-2	BENZENE	5	U
10061-02-6	TRANS-1,3-DICHLOROPROPENE	5	U
75-25-2	BROMOFORM	5	U
108-10-1	4-METHYL-2-PENTANONE	7	~~J~~ J
591-78-6	2-HEXANONE	10	~~J~~ UJ
127-18-4	TETRACHLOROETHENE	5	U
79-34-5	1,1,2,2-TETRACHLOROETHANE	5	U
108-88-3	TOLUENE	5	U
108-90-7	CHLOROBENZENE	5	U
100-41-4	ETHYLBENZENE	5	U
100-42-5	STYRENE	5	U
1330-20-7	XYLENE (TOTAL)	5	U

1X

ORGANICS ANALYSIS DATA SHEET

SAMPLE N

TCCSW06W00

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG8

Matrix: (soil/water) WATER Lab Sample ID: P198836

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: DVP05209202

Level: (low/med) LOW Date Received: 05/06/92

% Moisture: not dec. ____ Date Analyzed: 05/20/92

Column Type: (Pack/Cap/Wide) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	CHLOROMETHANE	10	U
74-83-9	BROMOMETHANE	10	U
75-01-4	VINYL CHLORIDE	10	U
75-00-3	CHLOROETHANE	10	U
75-09-2	METHYLENE CHLORIDE	5	~~B~~ U
67-64-1	ACETONE	37	J
75-15-0	CARBON DISULFIDE	5	U
75-35-4	1,1-DICHLOROETHENE	5	U
75-34-3	1,1-DICHLOROETHANE	5	U
156-60-5	TRANS-1,2-DICHLOROETHENE	5	U
67-66-3	CHLOROFORM	5	U
107-06-2	1,2-DICHLOROETHANE	5	~~J~~ UJ
78-93-3	2-BUTANONE	10 ~~J~~	~~J~~ U
71-55-6	1,1,1-TRICHLOROETHANE	5	U
56-23-5	CARBON TETRACHLORIDE	5	U
108-05-4	VINYL ACETATE	10	~~J~~ UJ
75-27-4	BROMODICHLOROMETHANE	5	U
78-87-5	1,2-DICHLOROPROPANE	5	U
10061-01-5	CIS-1,3-DICHLOROPROPENE	5	U
79-01-6	TRICHLOROETHENE	5	U
124-48-1	DIBROMOCHLOROMETHANE	5	U
79-00-5	1,1,2-TRICHLOROETHANE	5	U
71-43-2	BENZENE	5	U
10061-02-6	TRANS-1,3-DICHLOROPROPENE	5	U
75-25-2	BROMOFORM	5	U
108-10-1	4-METHYL-2-PENTANONE	7	~~J~~ J
591-78-6	2-HEXANONE	10	~~J~~ UJ
127-18-4	TETRACHLOROETHENE	5	U
79-34-5	1,1,2,2-TETRACHLOROETHANE	5	U
108-88-3	TOLUENE	5	U
108-90-7	CHLOROBENZENE	5	U
100-41-4	ETHYLBENZENE	5	U
100-42-5	STYRENE	5	U
1330-20-7	XYLENE (TOTAL)	5	U

1X

ORGANICS ANALYSIS DATA SHEET

SAMPLE I

TCCSW06W00

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PK68

Matrix: (soil/water) WATER Lab Sample ID: P198836

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: DVP05209202

Level: (low/med) LOW Date Received: 05/06/92

% Moisture: not dec. ____ Date Analyzed: 05/20/92

Column Type: (Pack/Cap/Wide) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
1684-42-0	ACROLEIN	100	U
107-13-1	ACRYLONITRILE	100	U
75-69-4	TRICHLOROFLUOROMETHANE	5	U
75-71-8	DICHLORODIFLUOROMETHANE	5	~~U~~ UJ
74-88-4	IODOMETHANE	5	U
74-95-3	METHYLENE BROMIDE	5	U
97-63-2	ETHYL METHYLACRYLATE	10	U
96-18-4	1,2,3-TRICHLOROPROPANE	10	U
110-57-6	1,4-DICHLORO-2-BUTENE (TOTAL)	5	U
107-05-1	ALLYL CHLORIDE	5	U
107-12-0	PROPIONITRILE	10	U
126-98-7	METHACRYLONITRILE	5	U
74-88-4	METHYLMETHACRYLATE	10	U
106-93-4	1,2-DIBROMOETHANE	5	U
630-20-6	1,1,1,2-TETRACHLOROETHANE	10	U
76-01-7	PENTACHLOROETHANE	10	~~U~~ UJ
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	10	U

1X

ORGANICS ANALYSIS DATA SHEET

SAMPLE

TCCSW06W00

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKGB

Matrix: (soil/water) WATER Lab Sample ID: P198836

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: DVP05209202

Level: (low/med) LOW Date Received: 05/06/92

% Moisture: not dec. ____ Date Analyzed: 05/20/92

Column Type: (Pack/Cap/Wide) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
1684-42-0	ACROLEIN	100	U
107-13-1	ACRYLONITRILE	100	U
75-69-4	TRICHLOROFLUOROMETHANE	5	U
75-71-8	DICHLORODIFLUOROMETHANE	5	UJ UJ
74-88-4	IODOMETHANE	5	U
74-95-3	METHYLENE BROMIDE	5	U
97-63-2	ETHYL METHYLACRYLATE	10	U
96-18-4	1,2,3-TRICHLOROPROPANE	10	U
110-57-6	1,4-DICHLORO-2-BUTENE (TOTAL)	5	U
107-05-1	ALLYL CHLORIDE	5	U
107-12-0	PROPIONITRILE	10	U
126-98-7	METHACRYLONITRILE	5	U
74-88-4	METHYLMETHACRYLATE	10	U
106-93-4	1,2-DIBROMOETHANE	5	U
630-20-6	1,1,1,2-TETRACHLOROETHANE	10	U
76-01-7	PENTACHLOROETHANE	10	UJ UJ
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	10	U

1X

ORGANICS ANALYSIS DATA SHEET

SAMPLE N

TCCSW15W00

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG8

Matrix: (soil/water) WATER Lab Sample ID: P198841

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: DVP05209207

Level: (low/med) LOW Date Received: 05/07/92

% Moisture: not dec. ____ Date Analyzed: 05/20/92

Column Type: (Pack/Cap/Wide) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	CHLOROMETHANE	10	U
74-83-9	BROMOMETHANE	10	U
75-01-4	VINYL CHLORIDE	10	U
75-00-3	CHLOROETHANE	10	U
75-09-2	METHYLENE CHLORIDE	5	U
67-64-1	ACETONE	21	J
75-15-0	CARBON DISULFIDE	5	U
75-35-4	1,1-DICHLOROETHENE	5	U
75-34-3	1,1-DICHLOROETHANE	5	U
156-60-5	TRANS-1,2-DICHLOROETHENE	5	U
67-66-3	CHLOROFORM	5	U
107-06-2	1,2-DICHLOROETHANE	5	~~U~~ UJ
78-93-3	2-BUTANONE	10	U
71-55-6	1,1,1-TRICHLOROETHANE	5	U
56-23-5	CARBON TETRACHLORIDE	5	U
108-05-4	VINYL ACETATE	10	~~U~~ UJ
75-27-4	BROMODICHLOROMETHANE	5	U
78-87-5	1,2-DICHLOROPROPANE	5	U
10061-01-5	CIS-1,3-DICHLOROPROPENE	5	U
79-01-6	TRICHLOROETHENE	5	U
124-48-1	DIBROMOCHLOROMETHANE	5	U
79-00-5	1,1,2-TRICHLOROETHANE	5	U
71-43-2	BENZENE	5	U
10061-02-6	TRANS-1,3-DICHLOROPROPENE	5	U
75-25-2	BROMOFORM	5	U
108-10-1	4-METHYL-2-PENTANONE	7	~~J~~
591-78-6	2-HEXANONE	10	~~U~~ UJ
127-18-4	TETRACHLOROETHENE	5	U
79-34-5	1,1,2,2-TETRACHLOROETHANE	5	U
108-88-3	TOLUENE	5	U
108-90-7	CHLOROBENZENE	5	U
100-41-4	ETHYLBENZENE	5	U
100-42-5	STYRENE	5	U
1330-20-7	XYLENE (TOTAL)	5	U

1X

ORGANICS ANALYSIS DATA SHEET

SAMPLE N

TCCSW15W00(

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG8

Matrix: (soil/water) WATER Lab Sample ID: P198841

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: DVP05209207

Level: (low/med) LOW Date Received: 05/07/92

% Moisture: not dec. ____ Date Analyzed: 05/20/92

Column Type: (Pack/Cap/Wide) CAP Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
74-87-3	CHLOROMETHANE	10	U
74-83-9	BROMOMETHANE	10	U
75-01-4	VINYL CHLORIDE	10	U
75-00-3	CHLOROETHANE	10	U
75-09-2	METHYLENE CHLORIDE	5	U
67-64-1	ACETONE	21	J
75-15-0	CARBON DISULFIDE	5	U
75-35-4	1,1-DICHLOROETHENE	5	U
75-34-3	1,1-DICHLOROETHANE	5	U
156-60-5	TRANS-1,2-DICHLOROETHENE	5	U
67-66-3	CHLOROFORM	5	U
107-06-2	1,2-DICHLOROETHANE	5	~~U~~ UJ
78-93-3	2-BUTANONE	10	U
71-55-6	1,1,1-TRICHLOROETHANE	5	U
56-23-5	CARBON TETRACHLORIDE	5	U
108-05-4	VINYL ACETATE	10	~~U~~ UJ
75-27-4	BROMODICHLOROMETHANE	5	U
78-87-5	1,2-DICHLOROPROPANE	5	U
10061-01-5	CIS-1,3-DICHLOROPROPENE	5	U
79-01-6	TRICHLOROETHENE	5	U
124-48-1	DIBROMOCHLOROMETHANE	5	U
79-00-5	1,1,2-TRICHLOROETHANE	5	U
71-43-2	BENZENE	5	U
10061-02-6	TRANS-1,3-DICHLOROPROPENE	5	U
75-25-2	BROMOFORM	5	U
108-10-1	4-METHYL-2-PENTANONE	7	~~U~~ J
591-78-6	2-HEXANONE	10	~~U~~ UJ
127-18-4	TETRACHLOROETHENE	5	U
79-34-5	1,1,2,2-TETRACHLOROETHANE	5	U
108-88-3	TOLUENE	5	U
108-90-7	CHLOROBENZENE	5	U
100-41-4	ETHYLBENZENE	5	U
100-42-5	STYRENE	5	U
1330-20-7	XYLENE (TOTAL)	5	U

1X

ORGANICS ANALYSIS DATA SHEET

SAMPLE N

TCCSW15W00C

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG8

Matrix: (soil/water) WATER Lab Sample ID: P198841

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: DVP05209207

Level: (low/med) LOW Date Received: 05/07/92

% Moisture: not dec. _____ Date Analyzed: 05/20/92

Column Type: (Pack/Cap/Wide) CAP Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
1684-42-0	ACROLEIN	100	U
107-13-1	ACRYLONITRILE	100	U
75-69-4	TRICHLOROFLUOROMETHANE	5	U
75-71-8	DICHLORODIFLUOROMETHANE	5	~~U~~ UJ
74-88-4	IODOMETHANE	5	U
74-95 3	METHYLENE BROMIDE	5	U
97-63-2	ETHYL METHYLACRYLATE	10	U
96-18-4	1,2,3-TRICHLOROPROPANE	10	U
110-57-6	1,4-DICHLORO-2-BUTENE (TOTAL)	5	U
107-05-1	ALLYL CHLORIDE	5	U
107-12-0	PROPIONITRILE	10	U
126-98-7	METHACRYLONITRILE	5	U
74-88-4	METHYLMETHACRYLATE	10	U
106-93-4	1,2-DIBROMOETHANE	5	U
630-20-6	1,1,1,2-TETRACHLOROETHANE	10	U
76-01-7	PENTACHLOROETHANE	10	~~U~~ UJ
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	10	U

1X

ORGANICS ANALYSIS DATA SHEET

SAMPLE N

TCCSW15W00C

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG8

Matrix: (soil/water) WATER Lab Sample ID: P198841

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: DVP05209207

Level: (low/med) LOW Date Received: 05/07/92

% Moisture: not dec. ____ Date Analyzed: 05/20/92

Column Type: (Pack/Cap/Wide) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
1684-42-0	ACROLEIN	100	U
107-13-1	ACRYLONITRILE	100	U
75-69-4	TRICHLOROFLUOROMETHANE	5	U
75-71-8	DICHLORODIFLUOROMETHANE	5	UJ
74-88-4	IODOMETHANE	5	U
74-95-3	METHYLENE BROMIDE	5	U
97-63-2	ETHYL METHYLACRYLATE	10	U
96-18-4	1,2,3-TRICHLOROPROPANE	10	U
110-57-6	1,4-DICHLORO-2-BUTENE (TOTAL)	5	U
107-05-1	ALLYL CHLORIDE	5	U
107-12-0	PROPIONITRILE	10	U
126-98-7	METHACRYLONITRILE	5	U
74-88-4	METHYLMETHACRYLATE	10	U
106-93-4	1,2-DIBROMOETHANE	5	U
630-20-6	1,1,1,2-TETRACHLOROETHANE	10	U
76-01-7	PENTACHLOROETHANE	10	UJ
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	10	U

1X

ORGANICS ANALYSIS DATA SHEET

SAMPLE

TECSW22W00

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG8

Matrix: (soil/water) WATER Lab Sample ID: P198834

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: DVP05209208

Level: (low/med) LOW Date Received: 05/07/92

% Moisture: not dec. ____ Date Analyzed: 05/20/92

Column Type: (Pack/Cap/Wide) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	CHLOROMETHANE	10	U
74-83-9	BROMOMETHANE	10	U
75-01-4	VINYL CHLORIDE	10	U
75-00-3	CHLOROETHANE	10	U
75-09-2	METHYLENE CHLORIDE	5	U
67-64-1	ACETONE	18	J
75-15-0	CARBON DISULFIDE	5	U
75-35-4	1,1-DICHLOROETHENE	5	U
75-34-3	1,1-DICHLOROETHANE	5	U
156-60-5	TRANS-1,2-DICHLOROETHENE	5	U
67-66-3	CHLOROFORM	5	U
107-06-2	1,2-DICHLOROETHANE	5	~~U~~ UJ
78-93-3	2-BUTANONE	10	~~U~~ UL
71-55-6	1,1,1-TRICHLOROETHANE	5	U
56-23-5	CARBON TETRACHLORIDE	5	U
108-05-4	VINYL ACETATE	10	~~U~~ UJ
75-27-4	BROMODICHLOROMETHANE	5	U
78-87-5	1,2-DICHLOROPROPANE	5	U
10061-01-5	CIS-1,3-DICHLOROPROPENE	5	U
79-01-6	TRICHLOROETHENE	5	U
124-48-1	DIBROMOCHLOROMETHANE	5	U
79-00-5	1,1,2-TRICHLOROETHANE	5	U
71-43-2	BENZENE	5	U
10061-02-6	TRANS-1,3-DICHLOROPROPENE	5	U
75-25-2	BROMOFORM	5	U
108-10-1	4-METHYL-2-PENTANONE	7	~~J~~
591-78-6	2-HEXANONE	10	~~U~~ UJ
127-18-4	TETRACHLOROETHENE	5	U
79-34-5	1,1,2,2-TETRACHLOROETHANE	5	U
108-88-3	TOLUENE	5	U
108-90-7	CHLOROBENZENE	5	U
100-41-4	ETHYLBENZENE	5	U
100-42-5	STYRENE	5	U
1330-20-7	XYLENE (TOTAL)	5	U

1X

ORGANICS ANALYSIS DATA SHEET

SAMPLE

TECSW22W00

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG8

Matrix: (soil/water) WATER Lab Sample ID: P198834

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: DVP05209208

Level: (low/med) LOW Date Received: 05/07/92

% Moisture: not dec. ____ Date Analyzed: 05/20/92

Column Type: (Pack/Cap/Wide) CAP Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
74-87-3	CHLOROMETHANE	10	U
74-83-9	BROMOMETHANE	10	U
75-01-4	VINYL CHLORIDE	10	U
75-00-3	CHLOROETHANE	10	U
75-09-2	METHYLENE CHLORIDE	5	U
67-64-1	ACETONE	18	J
75-15-0	CARBON DISULFIDE	5	U
75-35-4	1,1-DICHLOROETHENE	5	U
75-34-3	1,1-DICHLOROETHANE	5	U
156-60-5	TRANS-1,2-DICHLOROETHENE	5	U
67-66-3	CHLOROFORM	5	U
107-06-2	1,2-DICHLOROETHANE	5	~~U~~ UJ
78-93-3	2-BUTANONE	10	~~U~~ UL
71-55-6	1,1,1-TRICHLOROETHANE	5	U
56-23-5	CARBON TETRACHLORIDE	5	U
108-05-4	VINYL ACETATE	10	~~U~~ UJ
75-27-4	BROMODICHLOROMETHANE	5	U
78-87-5	1,2-DICHLOROPROPANE	5	U
10061-01-5	CIS-1,3-DICHLOROPROPENE	5	U
79-01-6	TRICHLOROETHENE	5	U
124-48-1	DIBROMOCHLOROMETHANE	5	U
79-00-5	1,1,2-TRICHLOROETHANE	5	U
71-43-2	BENZENE	5	U
10061-02-6	TRANS-1,3-DICHLOROPROPENE	5	U
75-25-2	BROMOFORM	5	U
108-10-1	4-METHYL-2-PENTANONE	7	~~J~~ J
591-78-6	2-HEXANONE	10	~~U~~ UJ
127-18-4	TETRACHLOROETHENE	5	U
79-34-5	1,1,2,2-TETRACHLOROETHANE	5	U
108-88-3	TOLUENE	5	U
108-90-7	CHLOROBENZENE	5	U
100-41-4	ETHYLBENZENE	5	U
100-42-5	STYRENE	5	U
1330-20-7	XYLENE (TOTAL)	5	U

1X

ORGANICS ANALYSIS DATA SHEET

SAMPLE

TECSW22WOC

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG8

Matrix: (soil/water) WATER Lab Sample ID: P198834

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: DVP0520920E

Level: (low/med) LOW Date Received: 05/07/92

% Moisture: not dec. ____ Date Analyzed: 05/20/92

Column Type: (Pack/Cap/Wide) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
1684-42-0	ACROLEIN	100	U
107-13-1	ACRYLONITRILE	100	U
75-69-4	TRICHLOROFLUOROMETHANE	5	U
75-71-8	DICHLORODIFLUOROMETHANE	5	~~U~~ UJ
74-88-4	IODOMETHANE	5	U
74-95-3	METHYLENE BROMIDE	5	U
97-63-2	ETHYL METHYLACRYLATE	10	U
96-18-4	1,2,3-TRICHLOROPROPANE	10	U
110-57-6	1,4-DICHLORO-2-BUTENE (TOTAL)	5	U
107-05-1	ALLYL CHLORIDE	5	U
107-12-0	PROPIONITRILE	10	U
126-98-7	METHACRYLONITRILE	5	U
74-88-4	METHYLMETHACRYLATE	10	U
106-93-4	1,2-DIBROMOETHANE	5	U
630-20-6	1,1,1,2-TETRACHLOROETHANE	10	U
76-01-7	PENTACHLOROETHANE	10	~~U~~ UJ
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	10	U

1X

ORGANICS ANALYSIS DATA SHEET

SAMPLE

TECSW22WOC

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG8

Matrix: (soil/water) WATER Lab Sample ID: P198834

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: DVP0520920E

Level: (low/med) LOW Date Received: 05/07/92

% Moisture: not dec. _____ Date Analyzed: 05/20/92

Column Type: (Pack/Cap/Wide) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
1684-42-0	ACROLEIN	100	U
107-13-1	ACRYLONITRILE	100	U
75-69-4	TRICHLOROFLUOROMETHANE	5	U
75-71-8	DICHLORODIFLUOROMETHANE	5	~~U~~ U
74-88-4	IODOMETHANE	5	U
74-95-3	METHYLENE BROMIDE	5	U
97-63-2	ETHYL METHYLACRYLATE	10	U
96-18-4	1,2,3-TRICHLOROPROPANE	10	U
110-57-6	1,4-DICHLORO-2-BUTENE (TOTAL)	5	U
107-05-1	ALLYL CHLORIDE	5	U
107-12-0	PROPIONITRILE	10	U
126-98-7	METHACRYLONITRILE	5	U
74-88-4	METHYLMETHACRYLATE	10	U
106-93-4	1,2-DIBROMOETHANE	5	U
630-20-6	1,1,1,2-TETRACHLOROETHANE	10	U
76-01-7	PENTACHLOROETHANE	10	~~U~~ UJ
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	10	U

1X

ORGANICS ANALYSIS DATA SHEET

SAMPLE

TTBW105089

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG8

Matrix: (soil/water) WATER Lab Sample ID: P198840

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: DVP05209212

Level: (low/med) LOW Date Received: 05/08/92

% Moisture: not dec. ____ Date Analyzed: 05/20/92

Column Type: (Pack/Cap/Wide) CAP Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
74-87-3	CHLOROMETHANE	10	U
74-83-9	BROMOMETHANE	10	U
75-01-4	VINYL CHLORIDE	10	U
75-00-3	CHLOROETHANE	10	U
75-09-2	METHYLENE CHLORIDE	5	U
67-64-1	ACETONE	10	U
75-15-0	CARBON DISULFIDE	5	U
75-35-4	1,1-DICHLOROETHENE	5	U
75-34-3	1,1-DICHLOROETHANE	5	U
156-60-5	TRANS-1,2-DICHLOROETHENE	5	U
67-66-3	CHLOROFORM	5	U
107-06-2	1,2-DICHLOROETHANE	5	U
78-93-3	2-BUTANONE	10	U
71-55-6	1,1,1-TRICHLOROETHANE	5	U
56-23-5	CARBON TETRACHLORIDE	5	U
108-05-4	VINYL ACETATE	10	U
75-27-4	BROMODICHLOROMETHANE	5	U
78-87-5	1,2-DICHLOROPROPANE	5	U
10061-01-5	CIS-1,3-DICHLOROPROPENE	5	U
79-01-6	TRICHLOROETHENE	5	U
124-48-1	DIBROMOCHLOROMETHANE	5	U
79-00-5	1,1,2-TRICHLOROETHANE	5	U
71-43-2	BENZENE	5	U
10061-02-6	TRANS-1,3-DICHLOROPROPENE	5	U
75-25-2	BROMOFORM	5	U
108-10-1	4-METHYL-2-PENTANONE	10	U
591-78-6	2-HEXANONE	10	U
127-18-4	TETRACHLOROETHENE	5	U
79-34-5	1,1,2,2-TETRACHLOROETHANE	5	U
108-88-3	TOLUENE	5	U
108-90-7	CHLOROBENZENE	5	U
100-41-4	ETHYLBENZENE	5	U
100-42-5	STYRENE	5	U
1330-20-7	XYLENE (TOTAL)	5	U

1X

ORGANICS ANALYSIS DATA SHEET

SAMPLE

TTBW105089

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG8

Matrix: (soil/water) WATER Lab Sample ID: P198840

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: DVP05209212

Level: (low/med) LOW Date Received: 05/08/92

% Moisture: not dec. ____ Date Analyzed: 05/20/92

Column Type: (Pack/Cap/Wide) CAP Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
74-87-3	CHLOROMETHANE	10	U
74-83-9	BROMOMETHANE	10	U
75-01-4	VINYL CHLORIDE	10	U
75-00-3	CHLOROETHANE	10	U
75-09-2	METHYLENE CHLORIDE	5	U
67-64-1	ACETONE	10	U
75-15-0	CARBON DISULFIDE	5	U
75-35-4	1,1-DICHLOROETHENE	5	U
75-34-3	1,1-DICHLOROETHANE	5	U
156-60-5	TRANS-1,2-DICHLOROETHENE	5	U
67-66-3	CHLOROFORM	5	U
107-06-2	1,2-DICHLOROETHANE	5	U
78-93-3	2-BUTANONE	10	U
71-55-6	1,1,1-TRICHLOROETHANE	5	U
56-23-5	CARBON TETRACHLORIDE	5	U
108-05-4	VINYL ACETATE	10	U
75-27-4	BROMODICHLOROMETHANE	5	U
78-87-5	1,2-DICHLOROPROPANE	5	U
10061-01-5	CIS-1,3-DICHLOROPROPENE	5	U
79-01-6	TRICHLOROETHENE	5	U
124-48-1	DIBROMOCHLOROMETHANE	5	U
79-00-5	1,1,2-TRICHLOROETHANE	5	U
71-43-2	BENZENE	5	U
10061-02-6	TRANS-1,3-DICHLOROPROPENE	5	U
75-25-2	BROMOFORM	5	U
108-10-1	4-METHYL-2-PENTANONE	10	U
591-78-6	2-HEXANONE	10	U
127-18-4	TETRACHLOROETHENE	5	U
79-34-5	1,1,2,2-TETRACHLOROETHANE	5	U
108-88-3	TOLUENE	5	U
108-90-7	CHLOROBENZENE	5	U
100-41-4	ETHYLBENZENE	5	U
100-42-5	STYRENE	5	U
1330-20-7	XYLENE (TOTAL)	5	U

1X

ORGANICS ANALYSIS DATA SHEET

SAMPLE

TTBW105089

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKGB

Matrix: (soil/water) WATER Lab Sample ID: P198840

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: DVP05209212

Level: (low/med) LOW Date Received: 05/08/92

% Moisture: not dec. _____ Date Analyzed: 05/20/92

Column Type: (Pack/Cap/Wide) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
1684-42-0	ACROLEIN	100	U
107-13-1	ACRYLONITRILE	100	U
75-69-4	TRICHLOROFLUOROMETHANE	5	U
75-71-8	DICHLORODIFLUOROMETHANE	5	U
74-88-4	IODOMETHANE	5	U
74-95-3	METHYLENE BROMIDE	5	U
97-63-2	ETHYL METHYLACRYLATE	10	U
96-18-4	1,2,3-TRICHLOROPROPANE	10	U
110-57-6	1,4-DICHLORO-2-BUTENE (TOTAL)	5	U
107-05-1	ALLYL CHLORIDE	5	U
107-12-0	PROPIONITRILE	10	U
126-98-7	METHACRYLONITRILE	5	U
74-85-4	METHYLMETHACRYLATE	10	U
106-93-4	1,2-DIBROMOETHANE	5	U
630-20-6	1,1,1,2-TETRACHLOROETHANE	10	U
76-01-7	PENTACHLOROETHANE	10	U
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	10	U

1X

ORGANICS ANALYSIS DATA SHEET

SAMPLE

TTBW105089

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG8

Matrix: (soil/water) WATER Lab Sample ID: P198840

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: DVP05209212

Level: (low/med) LOW Date Received: 05/08/92

% Moisture: not dec. ____ Date Analyzed: 05/20/92

Column Type: (Pack/Cap/Wide) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
1684-42-0	ACROLEIN	100	U
107-13-1	ACRYLONITRILE	100	U
75-69-4	TRICHLOROFLUOROMETHANE	5	U
75-71-8	DICHLORODIFLUOROMETHANE	5	U
74-88-4	IODOMETHANE	5	U
74-95-3	METHYLENE BROMIDE	5	U
97-63-2	ETHYL METHYLACRYLATE	10	U
96-18-4	1,2,3-TRICHLOROPROPANE	10	U
110-57-6	1,4-DICHLORO-2-BUTENE (TOTAL)	5	U
107-05-1	ALLYL CHLORIDE	5	U
107-12-0	PROPIONITRILE	10	U
126-98-7	METHACRYLONITRILE	5	U
74-85-[illegible]	METHYLMETHACRYLATE	10	U
106-93-[illegible]	1,2-DIBROMOETHANE	5	U
630-20-[illegible]	1,1,1,2-TETRACHLOROETHANE	10	U
76-01-[illegible]	PENTACHLOROETHANE	10	U
96-12-[illegible]	1,2-DIBROMO-3-CHLOROPROPANE	10	U

E-24

PESTICIDES/POLYCHLORINATED BIPHENYLS AND RADIOACTIVITY IN SURFACE WATER - MAY 1992

E-24

PESTICIDES/POLYCHLORINATED BIPHENYLS AND RADIOACTIVITY IN SURFACE WATER - MAY 1992

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

TKCSW01W0003

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG8

Matrix: (soil/water) WATER Lab Sample ID: P198729

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

Level: (low/med) LOW Date Received: 05/07/92

% Moisture: not dec. __ dec. __ Date Extracted: 05/12/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 05/14/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	ALPHA-BHC	0.050	U
319-85-7	BETA-BHC	0.050	U
319-86-8	DELTA-BHC	0.050	U
58-89-9	LINDANE	0.050	U
76-44-8	HEPTACHLOR	0.050	U
309-00-2	ALDRIN	0.050	U
1024-57-3	HEPTACHLOR EPOXIDE	0.050	U
959-98-8	ENDOSULFAN I	0.050	U
60-57-1	DIELDRIN	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	ENDRIN	0.10	U
33213-65-9	ENDOSULFAN II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	ENDOSULFAN SULFATE	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	METHOXYCHLOR	0.50	U
53494-70-5	ENDRIN KETONE	0.10	U
5103-71-9	ALPHA-CHLORDANE	0.50	U
5103-74-2	GAMMA-CHLORDANE	0.50	U
8001-35-2	TOXAPHENE	1.0	U
12674-11-2	AROCLOR-1016	0.50	U
11104-28-2	AROCLOR-1221	0.50	U
11141-16-5	AROCLOR-1232	0.50	U
53469-21-9	AROCLOR-1242	0.50	U
12672-29-6	AROCLOR-1248	0.50	U
11097-69-1	AROCLOR-1254	1.0	U
11096-82-5	AROCLOR-1260	1.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

TKCSW01W0003

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG8

Matrix: (soil/water) WATER Lab Sample ID: P198729

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

Level: (low/med) LOW Date Received: 05/07/92

% Moisture: not dec. __ dec. __ Date Extracted: 05/12/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 05/14/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	ALPHA-BHC	0.050	U
319-85-7	BETA-BHC	0.050	U
319-86-8	DELTA-BHC	0.050	U
58-89-9	LINDANE	0.050	U
76-44-8	HEPTACHLOR	0.050	U
309-00-2	ALDRIN	0.050	U
1024-57-3	HEPTACHLOR EPOXIDE	0.050	U
959-98-8	ENDOSULFAN I	0.050	U
60-57-1	DIELDRIN	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	ENDRIN	0.10	U
33213-65-9	ENDOSULFAN II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	ENDOSULFAN SULFATE	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	METHOXYCHLOR	0.50	U
53494-70-5	ENDRIN KETONE	0.10	U
5103-71-9	ALPHA-CHLORDANE	0.50	U
5103-74-2	GAMMA-CHLORDANE	0.50	U
8001-35-2	TOXAPHENE	1.0	U
12674-11-2	AROCLOR-1016	0.50	U
11104-28-2	AROCLOR-1221	0.50	U
11141-16-5	AROCLOR-1232	0.50	U
53469-21-9	AROCLOR-1242	0.50	U
12672-29-6	AROCLOR-1248	0.50	U
11097-69-1	AROCLOR-1254	1.0	U
11096-82-5	AROCLOR-1260	1.0	U

Modified 1D
ORGANOPHOSPHORUS PESTICIDES DATA SHEET

EPA SAMPLE NO

TKC-SW01-W

Lab Name: RESOURCE ANALYSTS,INC. Contract:HALLIBURTON NUS

Lab Code: Case No.: TINKERAFB SAS No.: SDG No.: 3K92

Matrix: (soil/water) WATER Lab Sample ID: 31213-002

Sample wt/vol: 1000. (g/mL)ML Lab File ID: G9R10555

Level: (low/med) LOW Date Received: 05/08/92

% Moisture: not dec. dec. Date Extracted: 05/12/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 05/20/92

Dilution Factor: 1.0000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
2921-88-2	CHLORPYRIFOS (DURSBAN)	6.1	
8065-48-3	DEMETON	0.5	U
86-50-0	AZINPHOS METHYL (GUTHION)	0.5	U
121-75-5	MALATHION	0.5	U
56-38-2	PARATHION	0.5	U

EPA METHOD 8140, SW-846, 3rd Edition

FORM I PEST

Modified 1D
ORGANOPHOSPHORUS PESTICIDES DATA SHEET

EPA SAMPLE NO

TKC-SW01-W

Lab Name: RESOURCE ANALYSTS,INC. Contract:HALLIBURTON NUS

Lab Code: Case No.: TINKERAFB SAS No.: SDG No.: 3K92

Matrix: (soil/water) WATER Lab Sample ID: 31213-002

Sample wt/vol: 1000. (g/mL)ML Lab File ID: G9R10555

Level: (low/med) LOW Date Received: 05/08/92

% Moisture: not dec. dec. Date Extracted: 05/12/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 05/20/92

Dilution Factor: 1.0000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
2921-88-2	CHLORPYRIFOS (DURSBAN)	6.1	
8065-48-3	DEMETON	0.5	U
86-50-0	AZINPHOS METHYL (GUTHION)	0.5	U
121-75-5	MALATHION	0.5	U
56-38-2	PARATHION	0.5	U

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FORM I PEST

Modified 1D
ORGANOPHOSPHORUS PESTICIDES DATA SHEET

EPA SAMPLE NO

TKC-SW01-W-000

Lab Name: RESOURCE ANALYSTS,INC. Contract:HALLIBURTON NUS

Lab Code: Case No.: TINKERAFB SAS No.: SDG No.: 3K92

Matrix: (soil/water) WATER Lab Sample ID: 31213-002

Sample wt/vol: 1000. (g/mL)ML Lab File ID: G3R11163

Level: (low/med) LOW Date Received: 05/08/92

% Moisture: not dec. dec. Date Extracted: 05/12/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 05/15/92

Dilution Factor: 1.0000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
2385-85-5	MIREX	0.1	U

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FORM I PEST

Modified 1D
ORGANOPHOSPHORUS PESTICIDES DATA SHEET

EPA SAMPLE NO

TKC-SW01-W-000

Lab Name: RESOURCE ANALYSTS,INC. Contract:HALLIBURTON NUS

Lab Code: Case No.: TINKERAFB SAS No.: SDG No.: 3K92

Matrix: (soil/water) WATER Lab Sample ID: 31213-002

Sample wt/vol: 1000. (g/mL)ML Lab File ID: G3R11163

Level: (low/med) LOW Date Received: 05/08/92

% Moisture: not dec. dec. Date Extracted: 05/12/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 05/15/92

Dilution Factor: 1.0000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
2385-85-5	MIREX	0.1	U

EPA METHOD 8080, SW-846, 3rd Edition

FORM I PEST

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TCCSW06W

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG8

Matrix: (soil/water) WATER Lab Sample ID: P198725

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

Level: (low/med) LOW Date Received: 05/06/92

% Moisture: not dec. __ dec. __ Date Extracted: 05/12/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 05/13/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	ALPHA-BHC	0.050	U
319-85-7	BETA-BHC	0.050	U
319-86-8	DELTA-BHC	0.050	U
58-89-9	LINDANE	0.050	U
76-44-8	HEPTACHLOR	0.050	U
309-00-2	ALDRIN	0.050	U
1024-57-3	HEPTACHLOR EPOXIDE	0.050	U
959-98-8	ENDOSULFAN I	0.050	U
60-57-1	DIELDRIN	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	ENDRIN	0.10	U
33213-65-9	ENDOSULFAN II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	ENDOSULFAN SULFATE	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	METHOXYCHLOR	0.50	U
53494-70-5	ENDRIN KETONE	0.10	U
5103-71-9	ALPHA-CHLORDANE	0.50	U
5103-74-2	GAMMA-CHLORDANE	0.50	U
8001-35-2	TOXAPHENE	1.0	U
12674-11-2	AROCLOR-1016	0.50	U
11104-28-2	AROCLOR-1221	0.50	U
11141-16-5	AROCLOR-1232	0.50	U
53469-21-9	AROCLOR-1242	0.50	U
12672-29-6	AROCLOR-1248	0.50	U
11097-69-1	AROCLOR-1254	1.0	U
11096-82-5	AROCLOR-1260	1.0	U

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TCCSW06W

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG8

Matrix: (soil/water) WATER Lab Sample ID: P198725

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

Level: (low/med) LOW Date Received: 05/06/92

% Moisture: not dec. ___ dec. ___ Date Extracted: 05/12/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 05/13/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.00

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
319-84-6	ALPHA-BHC	0.050	U
319-85-7	BETA-BHC	0.050	U
319-86-8	DELTA-BHC	0.050	U
58-89-9	LINDANE	0.050	U
76-44-8	HEPTACHLOR	0.050	U
309-00-2	ALDRIN	0.050	U
1024-57-3	HEPTACHLOR EPOXIDE	0.050	U
959-98-8	ENDOSULFAN I	0.050	U
60-57-1	DIELDRIN	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	ENDRIN	0.10	U
33213-65-9	ENDOSULFAN II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	ENDOSULFAN SULFATE	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	METHOXYCHLOR	0.50	U
53494-70-5	ENDRIN KETONE	0.10	U
5103-71-9	ALPHA-CHLORDANE	0.50	U
5103-74-2	GAMMA-CHLORDANE	0.50	U
8001-35-2	TOXAPHENE	1.0	U
12674-11-2	AROCLOR-1016	0.50	U
11104-28-2	AROCLOR-1221	0.50	U
11141-16-5	AROCLOR-1232	0.50	U
53469-21-9	AROCLOR-1242	0.50	U
12672-29-6	AROCLOR-1248	0.50	U
11097-69-1	AROCLOR-1254	1.0	U
11096-82-5	AROCLOR-1260	1.0	U

Modified 1D
ORGANOPHOSPHORUS PESTICIDES DATA SHEET

EPA SAMPLE NO

TCC-SW06-W-000

Lab Name: RESOURCE ANALYSTS,INC. Contract:HALLIBURTON NUS

Lab Code: Case No.: TINKERAFB SAS No.: SDG No.: 3K92

Matrix: (soil/water) WATER Lab Sample ID: 31213-005

Sample wt/vol: 1000. (g/mL)ML Lab File ID: G9R10557

Level: (low/med) LOW Date Received: 05/08/92

% Moisture: not dec. dec. Date Extracted: 05/12/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 05/20/92

Dilution Factor: 1.0000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
2921-88-2	CHLORPYRIFOS (DURSBAN)	0.5	U
8065-48-3	DEMETON	0.5	U
86-50-0	AZINPHOS METHYL (GUTHION)	0.5	U
121-75-5	MALATHION	0.5	U
56-38-2	PARATHION	0.5	U

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Modified 1D
ORGANOPHOSPHORUS PESTICIDES DATA SHEET

EPA SAMPLE NO

TCC-SW06-W-000

Lab Name: RESOURCE ANALYSTS,INC. Contract:HALLIBURTON NUS

Lab Code: Case No.: TINKERAFB SAS No.: SDG No.: 3K92

Matrix: (soil/water) WATER Lab Sample ID: 31213-005

Sample wt/vol: 1000. (g/mL)ML Lab File ID: G9R10557

Level: (low/med) LOW Date Received: 05/08/92

% Moisture: not dec. dec. Date Extracted: 05/12/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 05/20/92

Dilution Factor: 1.0000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
2921-88-2	CHLORPYRIFOS (DURSBAN)	0.5	U
8065-48-3	DEMETON	0.5	U
86-50-0	AZINPHOS METHYL (GUTHION)	0.5	U
121-75-5	MALATHION	0.5	U
56-38-2	PARATHION	0.5	U

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FORM I PEST

Modified 1D
ORGANOPHOSPHORUS PESTICIDES DATA SHEET

EPA SAMP NC

TCC-SW06-W-00C

Lab Name: RESOURCE ANALYSTS,INC. Contract:HALLIBURTON NUS

Lab Code: Case No.: TINKERAFB SAS No.: SDG No.: 3K92

Matrix: (soil/water) WATER Lab Sample ID: 31213-005

Sample wt/vol: 1000. (g/mL)ML Lab File ID: G3R11165

Level: (low/med) LOW Date Received: 05/08/92

% Moisture: not dec. dec. Date Extracted: 05/12/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 05/16/92

Dilution Factor: 1.0000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
2385-85-5	MIREX	0.1	U

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FORM I PEST

Modified 1D
ORGANOPHOSPHORUS PESTICIDES DATA SHEET

EPA SAMP NC

TCC-SW06-W-00C

Lab Name: RESOURCE ANALYSTS,INC. Contract:HALLIBURTON NUS

Lab Code: Case No.: TINKERAFB SAS No.: SDG No.: 3K92

Matrix: (soil/water) WATER Lab Sample ID: 31213-005

Sample wt/vol: 1000. (g/mL)ML Lab File ID: G3R11165

Level: (low/med) LOW Date Received: 05/08/92

% Moisture: not dec. dec. Date Extracted: 05/12/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 05/16/92

Dilution Factor: 1.0000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
2385-85-5	MIREX	0.1	U

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FORM I PEST

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

TCCSW06C0003

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG8

Matrix: (soil/water) WATER Lab Sample ID: P198731

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

Level: (low/med) LOW Date Received: 05/06/92

% Moisture: not dec. ___ dec. ___ Date Extracted: 05/12/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 05/14/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	ALPHA-BHC	0.050	U
319-85-7	BETA-BHC	0.050	U
319-86-8	DELTA-BHC	0.050	U
58-89-9	LINDANE	0.050	U
76-44-8	HEPTACHLOR	0.050	U
309-00-2	ALDRIN	0.050	U
1024-57-3	HEPTACHLOR EPOXIDE	0.050	U
959-98-8	ENDOSULFAN I	0.050	U
60-57-1	DIELDRIN	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	ENDRIN	0.10	U
33213-65-9	ENDOSULFAN II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	ENDOSULFAN SULFATE	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	METHOXYCHLOR	0.50	U
53494-70-5	ENDRIN KETONE	0.10	U
5103-71-9	ALPHA-CHLORDANE	0.50	U
5103-74-2	GAMMA-CHLORDANE	0.50	U
8001-35-2	TOXAPHENE	1.0	U
12674-11-2	AROCLOR-1016	0.50	U
11104-28-2	AROCLOR-1221	0.50	U
11141-16-5	AROCLOR-1232	0.50	U
53469-21-9	AROCLOR-1242	0.50	U
12672-29-6	AROCLOR-1248	0.50	U
11097-69-1	AROCLOR-1254	1.0	U
11096-82-5	AROCLOR-1260	1.0	U

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

TCCSW06C0003

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG8

Matrix: (soil/water) WATER Lab Sample ID: P198731

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

Level: (low/med) LOW Date Received: 05/06/92

% Moisture: not dec. __ dec. __ Date Extracted: 05/12/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 05/14/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.00

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
319-84-6	ALPHA-BHC	0.050	U
319-85-7	BETA-BHC	0.050	U
319-86-8	DELTA-BHC	0.050	U
58-89-9	LINDANE	0.050	U
76-44-8	HEPTACHLOR	0.050	U
309-00-2	ALDRIN	0.050	U
1024-57-3	HEPTACHLOR EPOXIDE	0.050	U
959-98-8	ENDOSULFAN I	0.050	U
60-57-1	DIELDRIN	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	ENDRIN	0.10	U
33213-65-9	ENDOSULFAN II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	ENDOSULFAN SULFATE	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	METHOXYCHLOR	0.50	U
53494-70-5	ENDRIN KETONE	0.10	U
5103-71-9	ALPHA-CHLORDANE	0.50	U
5103-74-2	GAMMA-CHLORDANE	0.50	U
8001-35-2	TOXAPHENE	1.0	U
12674-11-2	AROCLOR-1016	0.50	U
11104-28-2	AROCLOR-1221	0.50	U
11141-16-5	AROCLOR-1232	0.50	U
53469-21-9	AROCLOR-1242	0.50	U
12672-29-6	AROCLOR-1248	0.50	U
11097-69-1	AROCLOR-1254	1.0	U
11096-82-5	AROCLOR-1260	1.0	U

Modified 1D
ORGANOPHOSPHORUS PESTICIDES DATA SHEET

EPA SAMPLE NO

TCC-SW06-(

Lab Name: RESOURCE ANALYSTS,INC. Contract:HALLIBURTON NUS

Lab Code: Case No.: TINKERAFB SAS No.: SDG No.: 3K92

Matrix: (soil/water) WATER Lab Sample ID: 31213-003

Sample wt/vol: 1000. (g/mL)ML Lab File ID: G9R10556

Level: (low/med) LOW Date Received: 05/08/92

% Moisture: not dec. dec. Date Extracted: 05/12/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 05/20/92

Dilution Factor: 1.0000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
2921-88-2	CHLORPYRIFOS (DURSBAN)	0.5	U
8065-48-3	DEMETON	0.5	U
86-50-0	AZINPHOS METHYL (GUTHION)	0.5	U
121-75-5	MALATHION	0.5	U
56-38-2	PARATHION	0.5	U

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FORM I PEST

Modified 1D
ORGANOPHOSPHORUS PESTICIDES DATA SHEET

EPA SAMPLE NO

TCC-SW06-(

Lab Name: RESOURCE ANALYSTS,INC. Contract:HALLIBURTON NUS

Lab Code: Case No.: TINKERAFB SAS No.: SDG No.: 3K92

Matrix: (soil/water) WATER Lab Sample ID: 31213-003

Sample wt/vol: 1000. (g/mL)ML Lab File ID: G9R10556

Level: (low/med) LOW Date Received: 05/08/92

% Moisture: not dec. dec. Date Extracted: 05/12/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 05/20/92

Dilution Factor: 1.0000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
2921-88-2	CHLORPYRIFOS (DURSBAN)	0.5	U
8065-48-3	DEMETON	0.5	U
86-50-0	AZINPHOS METHYL (GUTHION)	0.5	U
121-75-5	MALATHION	0.5	U
56-38-2	PARATHION	0.5	U

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FORM I PEST

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ORGANOPHOSPHORUS PESTICIDES DATA SHEET

EPA SAMPLE NO

TCC-SW06-C-000

Lab Name: RESOURCE ANALYSTS,INC. Contract:HALLIBURTON NUS

Lab Code: Case No.: TINKERAFB SAS No.: SDG No.: 3K92

Matrix: (soil/water) WATER Lab Sample ID: 31213-003

Sample wt/vol: 1000. (g/mL)ML Lab File ID: G3R11164

Level: (low/med) LOW Date Received: 05/08/92

% Moisture: not dec. dec. Date Extracted: 05/12/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 05/16/92

Dilution Factor: 1.0000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
2385-85-5	MIREX	0.1	U

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FORM I PEST

Modified 1D
ORGANOPHOSPHORUS PESTICIDES DATA SHEET

EPA SAMPLE NO

TCC-SW06-C-000

Lab Name: RESOURCE ANALYSTS,INC. Contract:HALLIBURTON NUS

Lab Code: Case No.: TINKERAFB SAS No.: SDG No.: 3K92

Matrix: (soil/water) WATER Lab Sample ID: 31213-003

Sample wt/vol: 1000. (g/mL)ML Lab File ID: G3R11164

Level: (low/med) LOW Date Received: 05/08/92

% Moisture: not dec. dec. Date Extracted: 05/12/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 05/16/92

Dilution Factor: 1.0000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
2385-85-5	MIREX	0.1	U

EPA METHOD 8080, SW-846, 3rd Edition

FORM I PEST

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

TCCSW06

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG8

Matrix: (soil/water) WATER Lab Sample ID: P198728

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

Level: (low/med) LOW Date Received: 05/06/92

% Moisture: not dec. __ dec. __ Date Extracted: 05/12/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 05/14/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	ALPHA-BHC	0.050	U
319-85-7	BETA-BHC	0.050	U
319-86-8	DELTA-BHC	0.050	U
58-89-9	LINDANE	0.050	U
76-44-8	HEPTACHLOR	0.050	U
309-00-2	ALDRIN	0.050	U
1024-57-3	HEPTACHLOR EPOXIDE	0.050	U
959-98-8	ENDOSULFAN I	0.050	U
60-57-1	DIELDRIN	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	ENDRIN	0.10	U
33213-65-9	ENDOSULFAN II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	ENDOSULFAN SULFATE	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	METHOXYCHLOR	0.50	U
53494-70-5	ENDRIN KETONE	0.10	U
5103-71-9	ALPHA-CHLORDANE	0.50	U
5103-74-2	GAMMA-CHLORDANE	0.50	U
8001-35-2	TOXAPHENE	1.0	U
12674-11-2	AROCLOR-1016	0.50	U
11104-28-2	AROCLOR-1221	0.50	U
11141-16-5	AROCLOR-1232	0.50	U
53469-21-9	AROCLOR-1242	0.50	U
12672-29-6	AROCLOR-1248	0.50	U
11097-69-1	AROCLOR-1254	1.0	U
11096-82-5	AROCLOR-1260	1.0	U

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

TCCSW06

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG8

Matrix: (soil/water) WATER Lab Sample ID: P198728

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

Level: (low/med) LOW Date Received: 05/06/92

% Moisture: not dec. __ dec. __ Date Extracted: 05/12/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 05/14/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	ALPHA-BHC	0.050	U
319-85-7	BETA-BHC	0.050	U
319-86-8	DELTA-BHC	0.050	U
58-89-9	LINDANE	0.050	U
76-44-8	HEPTACHLOR	0.050	U
309-00-2	ALDRIN	0.050	U
1024-57-3	HEPTACHLOR EPOXIDE	0.050	U
959-98-8	ENDOSULFAN I	0.050	U
60-57-1	DIELDRIN	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	ENDRIN	0.10	U
33213-65-9	ENDOSULFAN II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	ENDOSULFAN SULFATE	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	METHOXYCHLOR	0.50	U
53494-70-5	ENDRIN KETONE	0.10	U
5103-71-9	ALPHA-CHLORDANE	0.50	U
5103-74-2	GAMMA-CHLORDANE	0.50	U
8001-35-2	TOXAPHENE	1.0	U
12674-11-2	AROCLOR-1016	0.50	U
11104-28-2	AROCLOR-1221	0.50	U
11141-16-5	AROCLOR-1232	0.50	U
53469-21-9	AROCLOR-1242	0.50	U
12672-29-6	AROCLOR-1248	0.50	U
11097-69-1	AROCLOR-1254	1.0	U
11096-82-5	AROCLOR-1260	1.0	U

Modified 1D
ORGANOPHOSPHORUS PESTICIDES DATA SHEET

EPA SAMPLE NO

TCC-SW06-Q-000

Lab Name: RESOURCE ANALYSTS,INC. Contract:HALLIBURTON NUS

Lab Code: Case No.: TINKERAFB SAS No.: SDG No.: 3K92

Matrix: (soil/water) WATER Lab Sample ID: 31213-005MS

Sample wt/vol: 1000. (g/mL)ML Lab File ID: G9R10558

Level: (low/med) LOW Date Received: 05/08/92

% Moisture: not dec. dec. Date Extracted: 05/12/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 05/20/92

Dilution Factor: 1.0000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
2921-88-2	CHLORPYRIFOS (DURSBAN)	1.9	XY
8065-48-3	DEMETON	0.98	X
86-50-0	AZINPHOS METHYL (GUTHION)	1.5	X
121-75-5	MALATHION	2.0	XY
56-38-2	PARATHION	7.7	X

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FORM I PEST

Modified 1D
ORGANOPHOSPHORUS PESTICIDES DATA SHEET

EPA SAMPLE NO

TCC-SW06-Q-000

Lab Name: RESOURCE ANALYSTS,INC. Contract:HALLIBURTON NUS

Lab Code: Case No.: TINKERAFB SAS No.: SDG No.: 3K92

Matrix: (soil/water) WATER Lab Sample ID: 31213-005MS

Sample wt/vol: 1000. (g/mL)ML Lab File ID: G9R10558

Level: (low/med) LOW Date Received: 05/08/92

% Moisture: not dec. dec. Date Extracted: 05/12/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 05/20/92

Dilution Factor: 1.0000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
2921-88-2	CHLORPYRIFOS (DURSBAN)	1.9	XY
8065-48-3	DEMETON	0.98	X
86-50-0	AZINPHOS METHYL (GUTHION)	1.5	X
121-75-5	MALATHION	2.0	XY
56-38-2	PARATHION	7.7	X

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FORM I PEST

Modified 1D
ORGANOPHOSPHORUS PESTICIDES DATA SHEET

EPA SAMPLE NO.

TCC-SW06-Q-0003

Lab Name: RESOURCE ANALYSTS,INC. Contract:HALLIBURTON NUS

Lab Code: Case No.: TINKERAFB SAS No.: SDG No.: 3K92

Matrix: (soil/water) WATER Lab Sample ID: 31213-5MS

Sample wt/vol: 1000. (g/mL)ML Lab File ID: G3R11166

Level: (low/med) LOW Date Received: 05/08/92

% Moisture: not dec. dec. Date Extracted: 05/12/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 05/16/92

Dilution Factor: 1.0000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
2385-85-5	MIREX	0.53	X

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FORM I PEST

Modified 1D
ORGANOPHOSPHORUS PESTICIDES DATA SHEET

EPA SAMPI NC

TCC-SW06-Q-0003

Lab Name: RESOURCE ANALYSTS,INC. Contract:HALLIBURTON NUS

Lab Code: Case No.: TINKERAFB SAS No.: SDG No.: 3K92

Matrix: (soil/water) WATER Lab Sample ID: 31213-5MS

Sample wt/vol: 1000. (g/mL)ML Lab File ID: G3R11166

Level: (low/med) LOW Date Received: 05/08/92

% Moisture: not dec. dec. Date Extracted: 05/12/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 05/16/92

Dilution Factor: 1.0000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
2385-85-5	MIREX	0.53	X

EPA METHOD 8080, SW-846, 3rd Edition

FORM I PEST

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

TCCSW06Z0003

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG8

Matrix: (soil/water) WATER Lab Sample ID: P198727

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

Level: (low/med) LOW Date Received: 05/06/92

% Moisture: not dec. __ dec. __ Date Extracted: 05/12/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 05/13/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.00

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
319-84-6	ALPHA-BHC	0.050	U
319-85-7	BETA-BHC	0.050	U
319-86-8	DELTA-BHC	0.050	U
58-89-9	LINDANE	0.050	U
76-44-8	HEPTACHLOR	0.050	U
309-00-2	ALDRIN	0.050	U
1024-57-3	HEPTACHLOR EPOXIDE	0.050	U
959-98-8	ENDOSULFAN I	0.050	U
60-57-1	DIELDRIN	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	ENDRIN	0.10	U
33213-65-9	ENDOSULFAN II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	ENDOSULFAN SULFATE	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	METHOXYCHLOR	0.50	U
53494-70-	ENDRIN KETONE	0.10	U
5103-71-9	ALPHA-CHLORDANE	0.50	U
5103-74-2	GAMMA-CHLORDANE	0.50	U
8001-35-2	TOXAPHENE	1.0	U
12674-11-2	AROCLOR-1016	0.50	U
11104-28-2	AROCLOR-1221	0.50	U
11141-16-5	AROCLOR-1232	0.50	U
53469-21-9	AROCLOR-1242	0.50	U
12672-29-6	AROCLOR-1248	0.50	U
11097-69-1	AROCLOR-1254	1.0	U
11096-82-5	AROCLOR-1260	1.0	U

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

TCCSW06Z0003

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG8

Matrix: (soil/water) WATER Lab Sample ID: P198727

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

Level: (low/med) LOW Date Received: 05/06/92

% Moisture: not dec. ___ dec. ___ Date Extracted: 05/12/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 05/13/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.00

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
319-84-6	ALPHA-BHC	0.050	U
319-85-7	BETA-BHC	0.050	U
319-86-8	DELTA-BHC	0.050	U
58-89-9	LINDANE	0.050	U
76-44-8	HEPTACHLOR	0.050	U
309-00-2	ALDRIN	0.050	U
1024-57-3	HEPTACHLOR EPOXIDE	0.050	U
959-98-8	ENDOSULFAN I	0.050	U
60-57-1	DIELDRIN	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	ENDRIN	0.10	U
33213-65-9	ENDOSULFAN II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	ENDOSULFAN SULFATE	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	METHOXYCHLOR	0.50	U
53494-70-	ENDRIN KETONE	0.10	U
5103-71-9	ALPHA-CHLORDANE	0.50	U
5103-74-2	GAMMA-CHLORDANE	0.50	U
8001-35-2	TOXAPHENE	1.0	U
12674-11-2	AROCLOR-1016	0.50	U
11104-28-2	AROCLOR-1221	0.50	U
11141-16-5	AROCLOR-1232	0.50	U
53469-21-9	AROCLOR-1242	0.50	U
12672-29-6	AROCLOR-1248	0.50	U
11097-69-1	AROCLOR-1254	1.0	U
11096-82-5	AROCLOR-1260	1.0	U

Modified 1D
ORGANOPHOSPHORUS PESTICIDES DATA SHEET

EPA SAMPLE NO

TCC-SW06-2

Lab Name: RESOURCE ANALYSTS,INC. Contract:HALLIBURTON NUS

Lab Code: Case No.: TINKERAFB SAS No.: SDG No.: 3K92

Matrix: (soil/water) WATER Lab Sample ID: 31213-005MSD

Sample wt/vol: 1000. (g/mL)ML Lab File ID: G9R10559

Level: (low/med) LOW Date Received: 05/08/92

% Moisture: not dec. dec. Date Extracted: 05/12/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 05/20/92

Dilution Factor: 1.0000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
2921-88-2	CHLORPYRIFOS (DURSBAN)	1.8	XY
8065-48-3	DEMETON	0.93	X
86-50-0	AZINPHOS METHYL (GUTHION)	1.4	X
121-75-5	MALATHION	1.9	XY
56-38-2	PARATHION	7.6	X

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FORM I PEST

Modified 1D
ORGANOPHOSPHORUS PESTICIDES DATA SHEET

EPA SAMPLE NO

TCC-SW06-2

Lab Name: RESOURCE ANALYSTS,INC. Contract:HALLIBURTON NUS

Lab Code: Case No.: TINKERAFB SAS No.: SDG No.: 3K92

Matrix: (soil/water) WATER Lab Sample ID: 31213-005MSD

Sample wt/vol: 1000. (g/mL)ML Lab File ID: G9R10559

Level: (low/med) LOW Date Received: 05/08/92

% Moisture: not dec. dec. Date Extracted: 05/12/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 05/20/92

Dilution Factor: 1.0000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
2921-88-2	CHLORPYRIFOS (DURSBAN)	1.8	XY
8065-48-3	DEMETON	0.93	X
86-50-0	AZINPHOS METHYL (GUTHION)	1.4	X
121-75-5	MALATHION	1.9	XY
56-38-2	PARATHION	7.6	X

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FORM I PEST

Modified 1D
ORGANOPHOSPHORUS PESTICIDES DATA SHEET

EPA SAMPLE NO

TCC-SW06-Z-0003

Lab Name: RESOURCE ANALYSTS,INC. Contract:HALLIBURTON NUS

Lab Code: Case No.: TINKERAFB SAS No.: SDG No.: 3K92

Matrix: (soil/water) WATER Lab Sample ID: 31213-5MSD

Sample wt/vol: 1000. (g/mL)ML Lab File ID: G3R11167

Level: (low/med) LOW Date Received: 05/08/92

% Moisture: not dec. dec. Date Extracted: 05/12/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 05/16/92

Dilution Factor: 1.0000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
2385-85-5	MIREX	0.54	X

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FORM I PEST

Modified 1D
ORGANOPHOSPHORUS PESTICIDES DATA SHEET

EPA SAMPLE NO

TCC-SW06-Z-0003

Lab Name: RESOURCE ANALYSTS,INC. Contract:HALLIBURTON NUS

Lab Code: Case No.: TINKERAFB SAS No.: SDG No.: 3K92

Matrix: (soil/water) WATER Lab Sample ID: 31213-5MSD

Sample wt/vol: 1000. (g/mL)ML Lab File ID: G3R11167

Level: (low/med) LOW Date Received: 05/08/92

% Moisture: not dec. dec. Date Extracted: 05/12/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 05/16/92

Dilution Factor: 1.0000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
2385-85-5	MIREX	0.54	X

EPA METHOD 8080, SW-846, 3rd Edition

FORM I PEST

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

TCCSW15W

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG8

Matrix: (soil/water) WATER Lab Sample ID: P198821

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

Level: (low/med) LOW Date Received: 05/07/92

% Moisture: not dec. __ dec. __ Date Extracted: 05/12/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 05/14/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.00

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
319-84-6	ALPHA-BHC	0.050	U
319-85-7	BETA-BHC	0.050	U
319-86-8	DELTA-BHC	0.050	U
58-89-9	LINDANE	0.050	U
76-44-8	HEPTACHLOR	0.050	U
309-00-2	ALDRIN	0.050	U
1024-57-3	HEPTACHLOR EPOXIDE	0.050	U
959-98-8	ENDOSULFAN I	0.050	U
60-57-1	DIELDRIN	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	ENDRIN	0.10	U
33213-65-9	ENDOSULFAN II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	ENDOSULFAN SULFATE	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	METHOXYCHLOR	0.50	U
53494-70-5	ENDRIN KETONE	0.10	U
5103-71-9	ALPHA-CHLORDANE	0.50	U
5103-74-2	GAMMA-CHLORDANE	0.50	U
8001-35-2	TOXAPHENE	1.0	U
12674-11-2	AROCLOR-1016	0.50	U
11104-28-2	AROCLOR-1221	0.50	U
11141-16-5	AROCLOR-1232	0.50	U
53469-21-9	AROCLOR-1242	0.50	U
12672-29-6	AROCLOR-1248	0.50	U
11097-69-1	AROCLOR-1254	1.0	U
11096-82-5	AROCLOR-1260	1.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

TCCSW15W

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG8

Matrix: (soil/water) WATER Lab Sample ID: P198821

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

Level: (low/med) LOW Date Received: 05/07/92

% Moisture: not dec. __ dec. __ Date Extracted: 05/12/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 05/14/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	ALPHA-BHC	0.050	U
319-85-7	BETA-BHC	0.050	U
319-86-8	DELTA-BHC	0.050	U
58-89-9	LINDANE	0.050	U
76-44-8	HEPTACHLOR	0.050	U
309-00-2	ALDRIN	0.050	U
1024-57-3	HEPTACHLOR EPOXIDE	0.050	U
959-98-8	ENDOSULFAN I	0.050	U
60-57-1	DIELDRIN	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	ENDRIN	0.10	U
33213-65-9	ENDOSULFAN II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	ENDOSULFAN SULFATE	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	METHOXYCHLOR	0.50	U
53494-70-5	ENDRIN KETONE	0.10	U
5103-71-9	ALPHA-CHLORDANE	0.50	U
5103-74-2	GAMMA-CHLORDANE	0.50	U
8001-35-2	TOXAPHENE	1.0	U
12674-11-2	AROCLOR-1016	0.50	U
11104-28-2	AROCLOR-1221	0.50	U
11141-16-5	AROCLOR-1232	0.50	U
53469-21-9	AROCLOR-1242	0.50	U
12672-29-6	AROCLOR-1248	0.50	U
11097-69-1	AROCLOR-1254	1.0	U
11096-82-5	AROCLOR-1260	1.0	U

Modified 1D
ORGANOPHOSPHORUS PESTICIDES DATA SHEET

EPA SAMPLE NO

TCC-SW15-W-000

Lab Name: RESOURCE ANALYSTS,INC. Contract:HALLIBURTON NUS

Lab Code: Case No.: TINKERAFB SAS No.: SDG No.: 3K92

Matrix: (soil/water) WATER Lab Sample ID: 31230-001

Sample wt/vol: 1000. (g/mL)ML Lab File ID: G9R10560

Level: (low/med) LOW Date Received: 05/09/92

% Moisture: not dec. dec. Date Extracted: 05/12/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 05/20/92

Dilution Factor: 1.0000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
2921-88-2	CHLORPYRIFOS (DURSBAN)	0.5	U
8065-48-3	DEMETON	0.5	U
86-50-0	AZINPHOS METHYL (GUTHION)	0.5	U
121-75-5	MALATHION	0.5	U
56-38-2	PARATHION	0.5	U

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FORM I PEST

Modified 1D
ORGANOPHOSPHORUS PESTICIDES DATA SHEET

EPA SAMPLE NO

TCC-SW15-W-000

Lab Name: RESOURCE ANALYSTS,INC. Contract:HALLIBURTON NUS

Lab Code: Case No.: TINKERAFB SAS No.: SDG No.: 3K92

Matrix: (soil/water) WATER Lab Sample ID: 31230-001

Sample wt/vol: 1000. (g/mL)ML Lab File ID: G9R10560

Level: (low/med) LOW Date Received: 05/09/92

% Moisture: not dec. dec. Date Extracted: 05/12/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 05/20/92

Dilution Factor: 1.0000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
2921-88-2	CHLORPYRIFOS (DURSBAN)	0.5	U
8065-48-3	DEMETON	0.5	U
86-50-0	AZINPHOS METHYL (GUTHION)	0.5	U
121-75-5	MALATHION	0.5	U
56-38-2	PARATHION	0.5	U

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FORM I PEST

Modified 1D
ORGANOPHOSPHORUS PESTICIDES DATA SHEET

EPA SAMPLE NO

TCC-SW15-W-000

Lab Name: RESOURCE ANALYSTS,INC. Contract:HALLIBURTON NUS

Lab Code: Case No.: TINKERAFB SAS No.: SDG No.: 3K92

Matrix: (soil/water) WATER Lab Sample ID: 31230-001

Sample wt/vol: 1000. (g/mL)ML Lab File ID: G3R11168

Level: (low/med) LOW Date Received: 05/09/92

% Moisture: not dec. dec. Date Extracted: 05/12/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 05/16/92

Dilution Factor: 1.0000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
2385-85-5	MIREX	0.1	U

EPA METHOD 8080, SW-846, 3rd Edition

FORM I PEST

Modified 1D
ORGANOPHOSPHORUS PESTICIDES DATA SHEET

EPA SAMPLE NO.

TCC-SW15-W-000

Lab Name: RESOURCE ANALYSTS,INC. Contract:HALLIBURTON NUS

Lab Code: Case No.: TINKERAFB SAS No.: SDG No.: 3K92

Matrix: (soil/water) WATER Lab Sample ID: 31230-001

Sample wt/vol: 1000. (g/mL)ML Lab File ID: G3R11168

Level: (low/med) LOW Date Received: 05/09/92

% Moisture: not dec. dec. Date Extracted: 05/12/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 05/16/92

Dilution Factor: 1.0000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
2385-85-5	MIREX	0.1	U

EPA METHOD 8080, SW-846, 3rd Edition

FORM I PEST

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

TECSW22W0003

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG8

Matrix: (soil/water) WATER Lab Sample ID: P198820

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

Level: (low/med) LOW Date Received: 05/07/92

% Moisture: not dec. ___ dec. ___ Date Extracted: 05/12/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 05/14/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.00

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
319-84-6	ALPHA-BHC	0.050	U
319-85-7	BETA-BHC	0.050	U
319-86-8	DELTA-BHC	0.050	U
58-89-9	LINDANE	0.050	U
76-44-8	HEPTACHLOR	0.050	U
309-00-2	ALDRIN	0.050	U
1024-57-3	HEPTACHLOR EPOXIDE	0.050	U
959-98-8	ENDOSULFAN I	0.050	U
60-57-1	DIELDRIN	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	ENDRIN	0.10	U
33213-65-9	ENDOSULFAN II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	ENDOSULFAN SULFATE	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	METHOXYCHLOR	0.50	U
53494-70	ENDRIN KETONE	0.10	U
5103-71	ALPHA-CHLORDANE	0.50	U
5103-74	GAMMA-CHLORDANE	0.50	U
8001-35	TOXAPHENE	1.0	U
12674-11-2	AROCLOR-1016	0.50	U
11104-28-2	AROCLOR-1221	0.50	U
11141-16-5	AROCLOR-1232	0.50	U
53469-21-9	AROCLOR-1242	0.50	U
12672-29-6	AROCLOR-1248	0.50	U
11097-69-1	AROCLOR-1254	1.0	U
11096-82-5	AROCLOR-1260	1.0	U

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

TECSW22W0003

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: TNK SAS No.: _____ SDG No.: PKG8

Matrix: (soil/water) WATER Lab Sample ID: P198820

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

Level: (low/med) LOW Date Received: 05/07/92

% Moisture: not dec. ___ dec. ___ Date Extracted: 05/12/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 05/14/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.00

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
319-84-6	ALPHA-BHC	0.050	U
319-85-7	BETA-BHC	0.050	U
319-86-8	DELTA-BHC	0.050	U
58-89-9	LINDANE	0.050	U
76-44-8	HEPTACHLOR	0.050	U
309-00-2	ALDRIN	0.050	U
1024-57-3	HEPTACHLOR EPOXIDE	0.050	U
959-98-8	ENDOSULFAN I	0.050	U
60-57-1	DIELDRIN	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	ENDRIN	0.10	U
33213-65-9	ENDOSULFAN II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	ENDOSULFAN SULFATE	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	METHOXYCHLOR	0.50	U
53494-70	ENDRIN KETONE	0.10	U
5103-71	ALPHA-CHLORDANE	0.50	U
5103-74	GAMMA-CHLORDANE	0.50	U
8001-35	TOXAPHENE	1.0	U
12674-11-2	AROCLOR-1016	0.50	U
11104-28-2	AROCLOR-1221	0.50	U
11141-16-5	AROCLOR-1232	0.50	U
53469-21-9	AROCLOR-1242	0.50	U
12672-29-6	AROCLOR-1248	0.50	U
11097-69-1	AROCLOR-1254	1.0	U
11096-82-5	AROCLOR-1260	1.0	U

Modified 1D
ORGANOPHOSPHORUS PESTICIDES DATA SHEET

EPA SAMPLE NO

TCC-SW22A

Lab Name: RESOURCE ANALYSTS,INC. Contract:HALLIBURTON NUS

Lab Code: Case No.: TINKERAFB SAS No.: SDG No.: 3K92

Matrix: (soil/water) WATER Lab Sample ID: 31230-002

Sample wt/vol: 1000. (g/mL)ML Lab File ID: G9R10561

Level: (low/med) LOW Date Received: 05/09/92

% Moisture: not dec. dec. Date Extracted: 05/12/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 05/20/92

Dilution Factor: 1.0000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
2921-88-2	CHLORPYRIFOS (DURSBAN)	0.5	U
8065-48-3	DEMETON	0.5	U
86-50-0	AZINPHOS METHYL (GUTHION)	0.5	U
121-75-5	MALATHION	0.5	U
56-38-2	PARATHION	0.5	U

EPA METHOD 8140, SW-846, 3rd Edition

FORM I PEST

Modified 1D
ORGANOPHOSPHORUS PESTICIDES DATA SHEET

EPA SAMPLE NO

TCC-SW22A

Lab Name: RESOURCE ANALYSTS,INC. Contract:HALLIBURTON NUS

Lab Code: Case No.: TINKERAFB SAS No.: SDG No.: 3K92

Matrix: (soil/water) WATER Lab Sample ID: 31230-002

Sample wt/vol: 1000. (g/mL)ML Lab File ID: G9R10561

Level: (low/med) LOW Date Received: 05/09/92

% Moisture: not dec. dec. Date Extracted: 05/12/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 05/20/92

Dilution Factor: 1.0000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
2921-88-2	CHLORPYRIFOS (DURSBAN)	0.5	U
8065-48-3	DEMETON	0.5	U
86-50-0	AZINPHOS METHYL (GUTHION)	0.5	U
121-75-5	MALATHION	0.5	U
56-38-2	PARATHION	0.5	U

EPA METHOD 8140, SW-846, 3rd Edition

FORM I PEST

Modified 1D
ORGANOPHOSPHORUS PESTICIDES DATA SHEET

EPA SAMPLE NO

TCC-SW22A-W-00

Lab Name: RESOURCE ANALYSTS,INC. Contract:HALLIBURTON NUS

Lab Code: Case No.: TINKERAFB SAS No.: SDG No.: 3K92

Matrix: (soil/water) WATER Lab Sample ID: 31230-002

Sample wt/vol: 1000. (g/mL)ML Lab File ID: G3R11169

Level: (low/med) LOW Date Received: 05/09/92

% Moisture: not dec. dec. Date Extracted: 05/12/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 05/16/92

Dilution Factor: 1.0000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
2385-85-5	MIREX	0.1	U

EPA METHOD 8080, SW-846, 3rd Edition

FORM I PEST

Modified 1D
ORGANOPHOSPHORUS PESTICIDES DATA SHEET

EPA SAMPLE NO

TCC-SW22A-W-00

Lab Name: RESOURCE ANALYSTS,INC. Contract:HALLIBURTON NUS

Lab Code: Case No.: TINKERAFB SAS No.: SDG No.: 3K92

Matrix: (soil/water) WATER Lab Sample ID: 31230-002

Sample wt/vol: 1000. (g/mL)ML Lab File ID: G3R11169

Level: (low/med) LOW Date Received: 05/09/92

% Moisture: not dec. dec. Date Extracted: 05/12/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 05/16/92

Dilution Factor: 1.0000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
2385-85-5	MIREX	0.1	U

EPA METHOD 8080, SW-846, 3rd Edition

FORM I PEST

Modified 1D
ORGANOPHOSPHORUS PESTICIDES DATA SHEET

EPA SAMPLE NO

PBLK01

Lab Name: RESOURCE ANALYSTS,INC. Contract:HALLIBURTON NUS

Lab Code: Case No.: TINKERAFB SAS No.: SDG No.: 3K92

Matrix: (soil/water) WATER Lab Sample ID: B-P1616

Sample wt/vol: 1000. (g/mL)ML Lab File ID: G9R10552

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

% Moisture: not dec. dec. Date Extracted: 05/12/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 05/19/92

Dilution Factor: 1.0000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
2921-88-2	CHLORPYRIFOS (DURSBAN)	0.5	U
8065-48-3	DEMETON	0.5	U
86-50-0	AZINPHOS METHYL (GUTHION)	0.5	U
121-75-5	MALATHION	0.5	U
56-38-2	PARATHION	0.5	U

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FORM I PEST

Modified 1D
ORGANOPHOSPHORUS PESTICIDES DATA SHEET

EPA SAMPLE NO

PBLK01

Lab Name: RESOURCE ANALYSTS,INC. Contract:HALLIBURTON NUS

Lab Code: Case No.: TINKERAFB SAS No.: SDG No.: 3K92

Matrix: (soil/water) WATER Lab Sample ID: B-P1616

Sample wt/vol: 1000. (g/mL)ML Lab File ID: G9R10552

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

% Moisture: not dec. dec. Date Extracted: 05/12/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 05/19/92

Dilution Factor: 1.0000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
2921-88-2	CHLORPYRIFOS (DURSBAN)	0.5	U
8065-48-3	DEMETON	0.5	U
86-50-0	AZINPHOS METHYL (GUTHION)	0.5	U
121-75-5	MALATHION	0.5	U
56-38-2	PARATHION	0.5	U

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FORM I PEST

Modified 1D
ORGANOPHOSPHORUS PESTICIDES DATA SHEET

EPA SAMPLE NO

PBLK01

Lab Name: RESOURCE ANALYSTS,INC. Contract:HALLIBURTON NUS

Lab Code: Case No.: TINKERAFB SAS No.: SDG No.: 3K92

Matrix: (soil/water) WATER Lab Sample ID: B-P1616

Sample wt/vol: 1000. (g/mL)ML Lab File ID: G3R11160

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

% Moisture: not dec. dec. Date Extracted: 05/12/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 05/15/92

Dilution Factor: 1.0000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
2385-85-5	MIREX	0.1	U

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FORM I PEST

Modified 1D
ORGANOPHOSPHORUS PESTICIDES DATA SHEET

EPA SAMPLE NO

PBLK01

Lab Name: RESOURCE ANALYSTS,INC. Contract:HALLIBURTON NUS

Lab Code: Case No.: TINKERAFB SAS No.: SDG No.: 3K92

Matrix: (soil/water) WATER Lab Sample ID: B-P1616

Sample wt/vol: 1000. (g/mL)ML Lab File ID: G3R11160

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

% Moisture: not dec. dec. Date Extracted: 05/12/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 05/15/92

Dilution Factor: 1.0000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
2385-85-5	MIREX	0.1	U

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FORM I PEST

Modified 1D
ORGANOPHOSPHORUS PESTICIDES DATA SHEET

EPA SAMPLE NO

LCS1PE

Lab Name: RESOURCE ANALYSTS,INC. Contract:HALLIBURTON NUS

Lab Code: Case No.: TINKERAFB SAS No.: SDG No.: 3K92

Matrix: (soil/water) WATER Lab Sample ID: S-P1850

Sample wt/vol: 1000. (g/mL)ML Lab File ID: G9R10553

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

% Moisture: not dec. dec. Date Extracted: 05/12/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 05/19/92

Dilution Factor: 1.0000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
2921-88-2	CHLORPYRIFOS (DURSBAN)	1.8	XY
8065-48-3	DEMETON	0.82	X
86-50-0	AZINPHOS METHYL (GUTHION)	1.2	X
121-75-5	MALATHION	2.0	XY
56-38-2	PARATHION	7.7	X

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FORM I PEST

Modified 1D
ORGANOPHOSPHORUS PESTICIDES DATA SHEET

EPA SAMPLE NO

LCS1PE

Lab Name: RESOURCE ANALYSTS,INC. Contract:HALLIBURTON NUS

Lab Code: Case No.: TINKERAFB SAS No.: SDG No.: 3K92

Matrix: (soil/water) WATER Lab Sample ID: S-P1850

Sample wt/vol: 1000. (g/mL)ML Lab File ID: G9R10553

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

% Moisture: not dec. dec. Date Extracted: 05/12/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 05/19/92

Dilution Factor: 1.0000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
2921-88-2	CHLORPYRIFOS (DURSBAN)	1.8	XY
8065-48-3	DEMETON	0.82	X
86-50-0	AZINPHOS METHYL (GUTHION)	1.2	X
121-75-5	MALATHION	2.0	XY
56-38-2	PARATHION	7.7	X

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FORM I PEST

Modified 1D
ORGANOPHOSPHORUS PESTICIDES DATA SHEET

EPA SAMPLE NO

LCS1MIR

Lab Name: RESOURCE ANALYSTS,INC. Contract:HALLIBURTON NUS

Lab Code: Case No.: TINKERAFB SAS No.: SDG No.: 3K92

Matrix: (soil/water) WATER Lab Sample ID: S-P1850

Sample wt/vol: 1000. (g/mL)ML Lab File ID: G3R11161

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

% Moisture: not dec. dec. Date Extracted: 05/12/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 05/15/92

Dilution Factor: 1.0000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
2385-85-5	MIREX	0.49	X

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FORM I PEST

Modified 1D
ORGANOPHOSPHORUS PESTICIDES DATA SHEET

EPA SAMPLE NO

LCS1MIR

Lab Name: RESOURCE ANALYSTS,INC. Contract:HALLIBURTON NUS

Lab Code: Case No.: TINKERAFB SAS No.: SDG No.: 3K92

Matrix: (soil/water) WATER Lab Sample ID: S-P1850

Sample wt/vol: 1000. (g/mL)ML Lab File ID: G3R11161

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

% Moisture: not dec. dec. Date Extracted: 05/12/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 05/15/92

Dilution Factor: 1.0000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
2385-85-5	MIREX	0.49	X

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FORM I PEST

Modified 1D
ORGANOPHOSPHORUS PESTICIDES DATA SHEET

EPA SAMPLE N

LCS2PE

Lab Name: RESOURCE ANALYSTS,INC. Contract:HALLIBURTON NUS

Lab Code: Case No.: TINKERAFB SAS No.: SDG No.: 3K92

Matrix: (soil/water) WATER Lab Sample ID: S-P1851

Sample wt/vol: 1000. (g/mL)ML Lab File ID: G9R10554

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

% Moisture: not dec. dec. Date Extracted: 05/12/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 05/20/92

Dilution Factor: 1.0000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
2921-88-2	CHLORPYRIFOS (DURSBAN)	1.8	XY
8065-48-3	DEMETON	0.87	X
86-50-0	AZINPHOS METHYL (GUTHION)	1.2	X
121-75-5	MALATHION	1.9	XY
56-38-2	PARATHION	7.4	X

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FORM I PEST

Modified 1D
ORGANOPHOSPHORUS PESTICIDES DATA SHEET

EPA SAMPLE N

LCS2PE

Lab Name: RESOURCE ANALYSTS,INC. Contract:HALLIBURTON NUS

Lab Code: Case No.: TINKERAFB SAS No.: SDG No.: 3K92

Matrix: (soil/water) WATER Lab Sample ID: S-P1851

Sample wt/vol: 1000. (g/mL)ML Lab File ID: G9R10554

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

% Moisture: not dec. dec. Date Extracted: 05/12/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 05/20/92

Dilution Factor: 1.0000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
2921-88-2	CHLORPYRIFOS (DURSBAN)	1.8	XY
8065-48-3	DEMETON	0.87	X
86-50-0	AZINPHOS METHYL (GUTHION)	1.2	X
121-75-5	MALATHION	1.9	XY
56-38-2	PARATHION	7.4	X

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FORM I PEST

Modified 1D
ORGANOPHOSPHORUS PESTICIDES DATA SHEET

EPA SAMPLE NO

LCS2MIR

Lab Name: RESOURCE ANALYSTS,INC. Contract:HALLIBURTON NUS

Lab Code: Case No.: TINKERAFB SAS No.: SDG No.: 3K92

Matrix: (soil/water) WATER Lab Sample ID: S-P1851

Sample wt/vol: 1000. (g/mL)ML Lab File ID: G3R11162

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

% Moisture: not dec. dec. Date Extracted: 05/12/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 05/15/92

Dilution Factor: 1.0000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
2385-85-5	MIREX	0.49	X

EPA METHOD 8080, SW-846, 3rd Edition

FORM I PEST

Modified 1D
ORGANOPHOSPHORUS PESTICIDES DATA SHEET

EPA SAMPLE NO

LCS2MIR

Lab Name: RESOURCE ANALYSTS,INC. Contract:HALLIBURTON NUS

Lab Code: Case No.: TINKERAFB SAS No.: SDG No.: 3K92

Matrix: (soil/water) WATER Lab Sample ID: S-P1851

Sample wt/vol: 1000. (g/mL)ML Lab File ID: G3R11162

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

% Moisture: not dec. dec. Date Extracted: 05/12/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 05/15/92

Dilution Factor: 1.0000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
2385-85-5	MIREX	0.49	X

EPA METHOD 8080, SW-846, 3rd Edition

FORM I PEST

E-25

CONTAMINANT INDICATOR COMPOUNDS IN SURFACE WATER - MAY 1992

E-25

CONTAMINANT INDICATOR COMPOUNDS IN SURFACE WATER - MAY 1992

CLIENT ORIGINAL

HALLIBURTON NUS
Environmental Laboratories

5350 Campbells Run Road
Pittsburgh, PA 15205
800-228-6870

6751-L Engle Road
Cleveland, OH 441.
216-891-4700

June 16, 1992
Report No.: 00008581
Section A Page 5

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

Carbon Copy:

SAMPLE ID: TKC-SW01-W-0003
NUS SAMPLE NO: P0198729
P.O. NO.:

DATE SAMPLED: 08-MAY-92
DATE RECEIVED: 08-MAY-92
APPROVED BY: J Simanic

LN	TEST CODE	DETERMINATION	RESULT	UNITS
4	I023	Alkalinity, Total (as CaCO3)	250	mg/L
5	I120	COD (O2)	16	mg/L
6	I130	Chloride (Cl)	200 **	mg/L
7	I590	Solids, Dissolved at 180C	420	mg/L
8	I390	Nitrate (as N)	1.1	mg/L
11	I610	Solids, Suspended at 103C	< 10	mg/L
13	I106	Carbon, Organic - Nonpurgeable	4	mg/L
16	OSVIXW	APPENDIX IX SEMIVOLATILES IN WATER		
		Data Package - BNA	DONE	
19	I265WC	CLP - Cyanide (CN)	DONE	
20	DPACK	CLP Data Package Deliverable	DONE	
23	I300	Fluoride (F) - Direct	0.4	mg/L
24	I320	Hardness, Total (as CaCO3)	220	mg/L
25	G130W	CHLORINATED HERBICIDES		
		2,4,5-TP (Silvex)	< 0.05	ug/L
27	R03W	Gross Alpha and Beta		
		Gross Alpha	5.3 +/- 2.6	pCi/L
		Gross Beta	< 4	pCi/L
28	G120WC	PESTICIDES/PCBS + CLP DATA PACKAGE - WATER		
		Data Package - Pesticides/PCBs	DONE	
31	ACLPW	TAL METALS & CLP DATA PACKAGE		
		Antimony	DONE	
		Arsenic	DONE	
		Barium	DONE	
		Beryllium	DONE	
		Cadmium	DONE	
		Chromium	DONE	
		Cobalt	DONE	
		Copper	DONE	
		Lead	DONE	
		Mercury	DONE	
		Nickel	DONE	

CLIENT ORIGINAL

HALLIBURTON NUS
Environmental Laboratories

5350 Campbells Run Road
Pittsburgh, PA 15205
800-228-6870

6751-L Engle Road
Cleveland, OH 441
216-891-4700

June 16, 1992
Report No.: 00008581
Section A Page 5

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

Carbon Copy:

SAMPLE ID: TKC-SW01-W-0003
NUS SAMPLE NO: P0198729
P.O. NO.:

DATE SAMPLED: 08-MAY-92
DATE RECEIVED: 08-MAY-92
APPROVED BY: J Simanic

LN	TEST CODE	DETERMINATION	RESULT	UNITS
4	I023	Alkalinity, Total (as CaCO3)	250	mg/L
5	I120	COD (O2)	16	mg/L
6	I130	Chloride (Cl)	200 **	mg/L
7	I590	Solids, Dissolved at 180C	420	mg/L
8	I390	Nitrate (as N)	1.1	mg/L
11	I610	Solids, Suspended at 103C	< 10	mg/L
13	I106	Carbon, Organic - Nonpurgeable	4	mg/L
16	OSVIXW	APPENDIX IX SEMIVOLATILES IN WATER		
		Data Package - BNA	DONE	
19	I285WC	CLP - Cyanide (CN)	DONE	
20	DPACK	CLP Data Package Deliverable	DONE	
23	I300	Fluoride (F) - Direct	0.4	mg/L
24	I320	Hardness, Total (as CaCO3)	220	mg/L
25	G130W	CHLORINATED HERBICIDES		
		2,4,5-TP (Silvex)	< 0.05	ug/L
27	R03W	Gross Alpha and Beta		
		Gross Alpha	5.3 +/- 2.8	pCi/L
		Gross Beta	< 4	pCi/L
28	G120WC	PESTICIDES/PCBS + CLP DATA PACKAGE - WATER		
		Data Package - Pesticides/PCBs	DONE	
31	ACLPW	TAL METALS & CLP DATA PACKAGE		
		Antimony	DONE	
		Arsenic	DONE	
		Barium	DONE	
		Beryllium	DONE	
		Cadmium	DONE	
		Chromium	DONE	
		Cobalt	DONE	
		Copper	DONE	
		Lead	DONE	
		Mercury	DONE	
		Nickel	DONE	

CLIENT ORIGINAL

HALLIBURTON NUS
Environmental Laboratories

5350 Campbells Run Road
Pittsburgh, PA 15205
800-228-6870

6751-L Engle Road
Cleveland, OH 441
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June 16, 1992
Report No.: 00008581
Section A Page 6

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
SAMPLE ID: TKC-SW01-W-0003
NUS SAMPLE NO: P0198729

LN	TEST CODE	DETERMINATION	RESULT	UNITS
		Selenium	DONE	
		Silver	DONE	
		Thallium	DONE	
		Vanadium	DONE	
		Zinc	DONE	

COMMENTS:

CLIENT ORIGINAL

HALLIBURTON NUS
Environmental Laboratories

5350 Campbells Run Road
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Cleveland, OH 441
216-891-4700

June 16, 1992
Report No.: 00006581
Section A Page 6

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
SAMPLE ID: TKC-SW01-W-0003
NUS SAMPLE NO: P0198729

LN	TEST CODE	DETERMINATION	RESULT	UNITS
		Selenium	DONE	
		Silver	DONE	
		Thallium	DONE	
		Vanadium	DONE	
		Zinc	DONE	

COMMENTS:

CLIENT ORIGINAL

HALLIBURTON NUS
Environmental Laboratories

5350 Campbells Run Road
Pittsburgh, PA 15205
800-228-6870

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Cleveland, OH 44
216-891-4700

June 09, 1992
Report No.: 00008400
Section A Page 2

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12980100

Carbon Copy:

SAMPLE ID: TKC-SW01-W-0003
NUS SAMPLE NO: P0198835
P.O. NO.:

DATE SAMPLED: 08-MAY-92
DATE RECEIVED: 11-MAY-92
APPROVED BY: J Simanic

LN	TEST CODE	DETERMINATION	RESULT	UNITS
20	DPACK	CLP Data Package Deliverable	DONE	
21	OVIXW	APPENDIX IX VOLATILES IN WATER Data Package - VOA	DONE	

COMMENTS:

CLIENT ORIGINAL

HALLIBURTON NUS
Environmental Laboratories

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June 09, 1992
Report No.: 00008400
Section A Page 2

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12980100

Carbon Copy:

SAMPLE ID: TKC-SW01-W-0003
NUS SAMPLE NO: P0198835
P.O. NO.:

DATE SAMPLED: 06-MAY-92
DATE RECEIVED: 11-MAY-92
APPROVED BY: J Simanic

LN	TEST CODE	DETERMINATION	RESULT	UNITS
20	DPACK	CLP Data Package Deliverable	DONE	
21	OVIXW	APPENDIX IX VOLATILES IN WATER Data Package - VOA	DONE	

COMMENTS:

CLIENT ORIGINAL

HALLIBURTON NUS
Environmental Laboratories

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June 09, 1992
Report No.: 00008399
Section A Page 5

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

Carbon Copy:

SAMPLE ID: TCC-SW05-W-0003
NUS SAMPLE NO: P0198822
P.O. NO.:

DATE SAMPLED: 07-MAY-92
DATE RECEIVED: 09-MAY-92
APPROVED BY: J Simonic

LN	TEST CODE	DETERMINATION	RESULT	UNITS
4	I023	Alkalinity, Total (as CaCO3)	280	mg/L
5	I120	COD (O2)	24	mg/
6	I130	Chloride (Cl)	64	mg
7	I590	Solids, Dissolved at 180C	430	mg/L
8	I390	Nitrate (as N)	4.2	mg/L
11	I610	Solids, Suspended at 103C	17	mg/L
13	I106	Carbon, Organic - Nonpurgeable	5	mg/L
16	OSVIXN	APPENDIX IX SEMIVOLATILES IN WATER		
		Data Package - BNA	DONE	
20	DPACK	CLP Data Package Deliverable	DONE	
23	I300	Fluoride (F) - Direct	0.6	mg/L
24	I320	Hardness, Total (as CaCO3)	870	mg/L

COMMENTS:

CLIENT ORIGINAL

HALLIBURTON NUS
Environmental Laboratories

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June 09, 1992
Report No.: 00008399
Section A Page 5

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

Carbon Copy:

SAMPLE ID: TCC-SW05-W-0003
NUS SAMPLE NO: P0198822
P.O. NO.:

DATE SAMPLED: 07-MAY-92
DATE RECEIVED: 09-MAY-92
APPROVED BY: J Simanic

LN	TEST CODE	DETERMINATION	RESULT	UNITS
4	I023	Alkalinity, Total (as CaCO3)	280	mg/L
5	I120	COD (O2)	24	mg/
6	I130	Chloride (Cl)	64	mg
7	I590	Solids, Dissolved at 180C	430	mg/L
8	I390	Nitrate (as N)	4.2	mg/L
11	I610	Solids, Suspended at 103C	17	mg/L
13	I106	Carbon, Organic - Nonpurgeable	5	mg/L
16	OSVIXW	APPENDIX IX SEMIVOLATILES IN WATER		
		Data Package - BNA	DONE	
20	DPACK	CLP Data Package Deliverable	DONE	
23	I300	Fluoride (F) - Direct	0.6	mg/L
24	I320	Hardness, Total (as CaCO3)	870	mg/L

COMMENTS:

CLIENT ORIGINAL

HALLIBURTON NUS
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June 09, 1992
Report No.: 00008400
Section A Page 9

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12980100

Carbon Copy:

SAMPLE ID: TCC-SW05-W-0003
NUS SAMPLE NO: P0198942
P.O. NO.:

DATE SAMPLED: 07-MAY-92
DATE RECEIVED: 11-MAY-92
APPROVED BY: J Simonic

LN	TEST CODE	DETERMINATION	RESULT	UNITS
20	DPACK	CLP Data Package Deliverable	DONE	
21	OVIXW	APPENDIX IX VOLATILES IN WATER Data Package - VOA	DONE	

COMMENTS:

CLIENT ORIGINAL

HALLIBURTON NUS
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June 09, 1992
Report No.: 00008400
Section A Page 9

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12980100

Carbon Copy:

SAMPLE ID: TCC-SW05-W-0003
NUS SAMPLE NO: P0198842
P.O. NO.:

DATE SAMPLED: 07-MAY-92
DATE RECEIVED: 11-MAY-92
APPROVED BY: J Simanic

LN	TEST CODE	DETERMINATION	RESULT	UNITS
20	DPACK	CLP Data Package Deliverable	DONE	
21	OVIXW	APPENDIX IX VOLATILES IN WATER Data Package - VOA	DONE	

COMMENTS:

CLIENT ORIGINA:

HALLIBURTON NUS
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June 09, 1992
Report No.: 00008398
Section A Page 1

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

Carbon Copy:

SAMPLE ID: TCC-SW06-W-0003
NUS SAMPLE NO: P0198725
P.O. NO.:

DATE SAMPLED: 06-MAY-92
DATE RECEIVED: 08-MAY-92
APPROVED BY: J Simanic

LN	TEST CODE	DETERMINATION	RESULT	UNIT
3	ACLPW	TAL METALS & CLP DATA PACKAGE		
		Antimony	DONE	
		Arsenic	DONE	
		Barium	DONE	
		Beryllium	DONE	
		Cadmium	DONE	
		Chromium	DONE	
		Cobalt	DONE	
		Copper	DONE	
		Lead	DONE	
		Mercury	DONE	
		Nickel	DONE	
		Selenium	DONE	
		Silver	DONE	
		[illegible]llium	DONE	
		[illegible]adium	DONE	
		Zinc	DONE	
4	I023	Alkalinity, Total (as CaCO3)	390	mg/L
5	I120	COD (O2)	16	mg/L
6	I130	Chloride (Cl)	190	mg/L
7	I590	Solids, Dissolved at 180C	750	mg/L
8	I390	Nitrate (as N)	0.6	mg/L
11	I610	Solids, Suspended at 103C	< 10	mg/L
13	I106	Carbon, Organic - Nonpurgeable	5	mg/L
16	OSVIXW	APPENDIX IX SEMIVOLATILES IN WATER		
		Data Package - BNA	DONE	
18	6120WC	PESTICIDES/PCBS + CLP DATA PACKAGE - WATER		
		Data Package - Pesticides/PCBs	DONE	

CLIENT ORIGINA:

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June 09, 1992
Report No.: 00008398
Section A Page 1

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

Carbon Copy:

SAMPLE ID: TCC-SW06-W-0003
NUS SAMPLE NO: P0198725
P.O. NO.:

DATE SAMPLED: 06-MAY-92
DATE RECEIVED: 08-MAY-92
APPROVED BY: J Simanic

LN	TEST CODE	DETERMINATION	RESULT	UNIT
3	ACLPW	TAL METALS & CLP DATA PACKAGE		
		Antimony	DONE	
		Arsenic	DONE	
		Barium	DONE	
		Beryllium	DONE	
		Cadmium	DONE	
		Chromium	DONE	
		Cobalt	DONE	
		Copper	DONE	
		Lead	DONE	
		Mercury	DONE	
		Nickel	DONE	
		Selenium	DONE	
		Silver	DONE	
		[illegible]lium	DONE	
		[illegible]dium	DONE	
		Zinc	DONE	
4	I023	Alkalinity, Total (as CaCO3)	390	mg/L
5	I120	COD (O2)	16	mg/L
6	I130	Chloride (Cl)	190	mg/L
7	I590	Solids, Dissolved at 180C	750	mg/L
8	I390	Nitrate (as N)	0.6	mg/L
11	I610	Solids, Suspended at 103C	< 10	mg/L
13	I106	Carbon, Organic - Nonpurgeable	5	mg/L
16	OSVIXW	APPENDIX IX SEMIVOLATILES IN WATER		
		Data Package - BNA	DONE	
18	6120WC	PESTICIDES/PCBS + CLP DATA PACKAGE - WATER		
		Data Package - Pesticides/PCBs	DONE	

CLIENT ORIGINAL

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June 09, 1992
Report No.: 00008398
Section A Page 2

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
SAMPLE ID: TCC-SW06-W-0003
NUS SAMPLE NO: P0198725

LN	TEST CODE	DETERMINATION	RESULT	UNITS
19	I285WC	CLP - Cyanide (CN)	DONE	
20	DPACK	CLP Data Package Deliverable	DONE	
23	I300	Fluoride (F) - Direct	0.3	mg/L
24	I320	Hardness, Total (as CaCO3)	370	mg/L
25	6130W	CHLORINATED HERBICIDES		
		2,4,5-TP (Silvex)	< 0.05	ug/L
27	R03W	Gross Alpha and Beta		
		Gross Alpha	< 3	pCi/L
		Gross Beta	< 3	pCi/L

COMMENTS:

CLIENT ORIGINAL

HALLIBURTON NUS
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June 09, 1992
Report No.: 00008398
Section A Page 2

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
SAMPLE ID: TCC-SW06-W-0003
NUS SAMPLE NO: P0198725

LN	TEST CODE	DETERMINATION	RESULT	UNITS
19	I285WC	CLP - Cyanide (CN)	DONE	
20	DPACK	CLP Data Package Deliverable	DONE	
23	I300	Fluoride (F) - Direct	0.3	mg/L
24	I320	Hardness, Total (as CaCO3)	370	mg/L
25	6130W	CHLORINATED HERBICIDES		
		2,4,5-TP (Silvex)	< 0.05	ug/L
27	R03W	Gross Alpha and Beta		
		Gross Alpha	< 3	pCi/L
		Gross Beta	< 3	pCi/L

COMMENTS:

CLIENT ORIGINAL

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June 09, 1992
Report No.: 00008400
Section A Page 3

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

Carbon Copy:

SAMPLE ID: TCC-SW06-W-0003
NUS SAMPLE NO: P0198836
P.O. NO.:

DATE SAMPLED: 08-MAY-92
DATE RECEIVED: 11-MAY-92
APPROVED BY: J Simanic

LN	TEST CODE	DETERMINATION	RESULT	UNITS
20	DPACK	CLP Data Package Deliverable	DONE	
21	OVIXW	APPENDIX IX VOLATILES IN WATER		
		Data Package - VOA	DONE	

COMMENTS:

CLIENT ORIGINAL

HALLIBURTON NUS
Environmental Laboratories

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June 09, 1992
Report No.: 00008400
Section A Page 3

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

Carbon Copy:

SAMPLE ID: TCC-SW06-W-0003
NUS SAMPLE NO: P0198836
P.O. NO.:

DATE SAMPLED: 08-MAY-92
DATE RECEIVED: 11-MAY-92
APPROVED BY: J Simanic

LN	TEST CODE	DETERMINATION	RESULT	UNITS
20	DPACK	CLP Data Package Deliverable	DONE	
21	OVIXW	APPENDIX IX VOLATILES IN WATER		
		Data Package - VOA	DONE	

COMMENTS:

CLIENT ORIGINAL

HALLIBURTON NUS
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June 09, 1992
Report No.: 00008398
Section A Page 11

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12980100

Carbon Copy:

SAMPLE ID: TCC-SW06-C-0003
NUS SAMPLE NO: P0198731
P.O. NO.:

DATE SAMPLED: 06-MAY-92
DATE RECEIVED: 08-MAY-92
APPROVED BY: J Simanic

LN	TEST CODE	DETERMINATION	RESULT	UNITS
3	ACLPW	TAL METALS & CLP DATA PACKAGE		
		Antimony	DONE	
		Arsenic	DONE	
		Barium	DONE	
		Beryllium	DONE	
		Cadmium	DONE	
		Chromium	DONE	
		Cobalt	DONE	
		Copper	DONE	
		Lead	DONE	
		Mercury	DONE	
		Nickel	DONE	
		Selenium	DONE	
		Silver	DONE	
		Thallium	DONE	
		Vanadium	DONE	
		Zinc	DONE	
4	I023	Alkalinity, Total (as CaCO3)	350	mg/L
5	I120	COD (O2)	13	mg/L
6	I130	Chloride (Cl)	200	mg/L
7	I590	Solids, Dissolved at 180C	710	mg/L
8	I390	Nitrate (as N)	0.6	mg/L
11	I610	Solids, Suspended at 103C	< 10	mg/L
13	I106	Carbon, Organic - Nonpurgeable	4	mg/L
16	OSVIXW	APPENDIX IX SEMIVOLATILES IN WATER		
		Data Package - BNA	DONE	
18	6120WC	PESTICIDES/PCBS + CLP DATA PACKAGE - WATER		
		Data Package - Pesticides/PCBs	DONE	
19	I285WC	CLP - Cyanide (CN)	DONE	
20	DPACK	CLP Data Package Deliverable	DONE	

CLIENT ORIGINAL

HALLIBURTON NUS
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June 09, 1992
Report No.: 00008398
Section A Page 11

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K32-
VENDOR NO: 12990100

Carbon Copy:

SAMPLE ID: TCC-SW06-C-0003
NUS SAMPLE NO: P0198731
P.O. NO.:

DATE SAMPLED: 08-MAY-92
DATE RECEIVED: 08-MAY-92
APPROVED BY: J Simanic

LN	TEST CODE	DETERMINATION	RESULT	UNITS
3	ACLPW	TAL METALS & CLP DATA PACKAGE		
		Antimony	DONE	
		Arsenic	DONE	
		Barium	DONE	
		Beryllium	DONE	
		Cadmium	DONE	
		Chromium	DONE	
		Cobalt	DONE	
		Copper	DONE	
		Lead	DONE	
		Mercury	DONE	
		Nickel	DONE	
		Selenium	DONE	
		Silver	DONE	
		Thallium	DONE	
		Vanadium	DONE	
		Zinc	DONE	
4	I023	Alkalinity, Total (as CaCO3)	350	mg/L
5	I120	COD (O2)	13	mg/L
6	I130	Chloride (Cl)	200	mg/L
7	I590	Solids, Dissolved at 180C	710	mg/L
8	I390	Nitrate (as N)	0.6	mg/L
11	I610	Solids, Suspended at 103C	< 10	mg/L
13	I106	Carbon, Organic - Nonpurgeable	4	mg/L
16	OSVIXW	APPENDIX IX SEMIVOLATILES IN WATER		
		Data Package - BNA	DONE	
18	6120WC	PESTICIDES/PCBS + CLP DATA PACKAGE - WATER		
		Data Package - Pesticides/PCBs	DONE	
19	I285WC	CLP - Cyanide (CN)	DONE	
20	DPACK	CLP Data Package Deliverable	DONE	

CLIENT ORIGINAL

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June 09, 19
Report No.: 00008398
Section A Page 12

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
SAMPLE ID: TCC-SW06-C-0003
NUS SAMPLE NO: P0198731

LN	TEST CODE	DETERMINATION	RESULT	UNITS
23	I300	Fluoride (F) - Direct	0.5	mg/L
24	I320	Hardness, Total (as CaCO3)	380	mg/L
25	6130W	CHLORINATED HERBICIDES		
		2,4,5-TP (Silvex)	< 0.05	ug/L
27	R03W	Gross Alpha and Beta		
		Gross Alpha	2.7 +/- 1.7	pCi/L
		Gross Beta	4.9 +/- 2.6	pCi/L

COMMENTS:

CLIENT ORIGINAL

HALLIBURTON NUS
Environmental Laboratories

5350 Campbells Run Road
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June 09, 19
Report No.: 00008398
Section A Page 12

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
SAMPLE ID: TCC-SW06-C-0003
NUS SAMPLE NO: P0198731

LN	TEST CODE	DETERMINATION	RESULT	UNITS
23	I300	Fluoride (F) - Direct	0.5	mg/L
24	I320	Hardness, Total (as CaCO3)	380	mg/L
25	6130W	CHLORINATED HERBICIDES		
		2,4,5-TP (Silvex)	< 0.05	ug/L
27	R03W	Gross Alpha and Beta		
		Gross Alpha	2.7 +/- 1.7	pCi/L
		Gross Beta	4.9 +/- 2.6	pCi/L

COMMENTS:

CLIENT ORIGINAL

HALLIBURTON NUS
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Cleveland, OH 441
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June 09, 1992
Report No.: 00008400
Section A Page 4

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

Carbon Copy:

SAMPLE ID: TCC-SW06-C-0003
NUS SAMPLE NO: P0198837
P.O. NO.:

DATE SAMPLED: 06-MAY-92
DATE RECEIVED: 11-MAY-92
APPROVED BY: J Simonic

LN	TEST CODE	DETERMINATION	RESULT	UNITS
20	DPACK	CLP Data Package Deliverable	DONE	
21	OVIXW	APPENDIX IX VOLATILES IN WATER Data Package - VOA	DONE	

COMMENTS:

CLIENT ORIGINAL

HALLIBURTON NUS
Environmental Laboratories

5350 Campbells Run Road
Pittsburgh, PA 15205
800-228-6870

6751-L Engle Road
Cleveland, OH 441:
216-891-4700

June 09, 1992
Report No.: 00008400
Section A Page 4

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

Carbon Copy:

SAMPLE ID: TCC-SW06-C-0003
NUS SAMPLE NO: P0198837
P.O. NO.:

DATE SAMPLED: 06-MAY-92
DATE RECEIVED: 11-MAY-92
APPROVED BY: J Simonic

LN	TEST CODE	DETERMINATION	RESULT	UNITS
20	DPACK	CLP Data Package Deliverable	DONE	
21	OVIXW	APPENDIX IX VOLATILES IN WATER Data Package - VOA	DONE	

COMMENTS:

CLIENT ORIGINAL

HALLIBURTON NUS
Environmental Laboratories

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216-891-4700

June 16, 1992
Report No.: 00008581
Section A Page 3

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

Carbon Copy:

SAMPLE ID: TCC-SW06-0-0003
NUS SAMPLE NO: P0198728
P.O. NO.:

DATE SAMPLED: 05-MAY-92
DATE RECEIVED: 08-MAY-92
APPROVED BY: J Simanic

LN	TEST CODE	DETERMINATION	RESULT	UNITS
3	ACLPW	TAL METALS & CLP DATA PACKAGE		
		Antimony	DONE	
		Arsenic	DONE	
		Barium	DONE	
		Beryllium	DONE	
		Cadmium	DONE	
		Chromium	DONE	
		Cobalt	DONE	
		Copper	DONE	
		Lead	DONE	
		Mercury	DONE	
		Nickel	DONE	
		Selenium	DONE	
		Silver	DONE	
		Thallium	DONE	
		Vanadium	DONE	
		Zinc	DONE	
6	I130	Chloride (Cl)	132	%
8	I390	Nitrate (as N)	0.6	mg/L
13	I106	Carbon, Organic - Nonpurgeable	4.45	mg/L
16	OSVIXW	APPENDIX IX SEMIVOLATILES IN WATER		
		Data Package - BNA	DONE	
18	G120WC	PESTICIDES/PCBS + CLP DATA PACKAGE - WATER		
		Data Package - Pesticides/PCBs	DONE	
19	I285WC	CLP - Cyanide (CN)	DONE	
20	DPACK	CLP Data Package Deliverable	DONE	
23	I300	Fluoride (F) - Direct	0.4	mg/L
24	I320	Hardness, Total (as CaCO3)	380	mg/L
25	G130W	CHLORINATED HERBICIDES		
		2,4,5-TP (Silvex)	< 0.05	ug/L
27	R03W	Gross Alpha and Beta		
		Gross Alpha	125	%

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June 16, 1992
Report No.: 00008581
Section A Page 3

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

Carbon Copy:

SAMPLE ID: TCC-SW06-Q-0003
NUS SAMPLE NO: P0198728
P.O. NO.:

DATE SAMPLED: 06-MAY-92
DATE RECEIVED: 08-MAY-92
APPROVED BY: J Simanic

LN	TEST CODE	DETERMINATION	RESULT	UNITS
3	ACLPW	TAL METALS & CLP DATA PACKAGE		
		Antimony	DONE	
		Arsenic	DONE	
		Barium	DONE	
		Beryllium	DONE	
		Cadmium	DONE	
		Chromium	DONE	
		Cobalt	DONE	
		Copper	DONE	
		Lead	DONE	
		Mercury	DONE	
		Nickel	DONE	
		Selenium	DONE	
		Silver	DONE	
		Thallium	DONE	
		Vanadium	DONE	
		Zinc	DONE	
6	I130	Chloride (Cl)	132	%
8	I390	Nitrate (as N)	0.6	mg/L
13	I106	Carbon, Organic - Nonpurgeable	4.45	mg/L
16	OSVIXW	APPENDIX IX SEMIVOLATILES IN WATER		
		Data Package - BNA	DONE	
18	6120WC	PESTICIDES/PCBS + CLP DATA PACKAGE - WATER		
		Data Package - Pesticides/PCBs	DONE	
19	I285WC	CLP - Cyanide (CN)	DONE	
20	DPACK	CLP Data Package Deliverable	DONE	
23	I300	Fluoride (F) - Direct	0.4	mg/L
24	I320	Hardness, Total (as CaCO3)	380	mg/L
25	6130W	CHLORINATED HERBICIDES		
		2,4,5-TP (Silvex)	< 0.05	ug/L
27	R03W	Gross Alpha and Beta		
		Gross Alpha	125	%

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June 16, 1992
Report No.: 00008581
Section A Page 4

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
SAMPLE ID: TCC-SW06-0-0003
NUS SAMPLE NO: P0198728

LN	TEST CODE	DETERMINATION	RESULT	UNITS
		Gross Beta	107	Z
28	I120	COD (02)	14	mg/L

COMMENTS: Z = recovery of matrix spike

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June 16, 1992
Report No.: 00008581
Section A Page 4

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
SAMPLE ID: TCC-SW06-0-0003
NUS SAMPLE NO: P0198728

LN	TEST CODE	DETERMINATION	RESULT	UNITS
		Gross Beta	107	%
28	I120	COD (02)	14	mg/L

COMMENTS: % = recovery of matrix spike

CLIENT ORIGINAL

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Report No.: 00008400
Section A Page 6

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12980100

Carbon Copy:

SAMPLE ID: TCC-SW06-0-0003
NUS SAMPLE NO: P0198839
P.O. NO.:

DATE SAMPLED: 08-MAY-92
DATE RECEIVED: 11-MAY-92
APPROVED BY: J Simmic

LN	TEST CODE	DETERMINATION	RESULT	UNITS
20	DPACK	CLP Data Package Deliverable	DONE	
21	OVIDN	APPENDIX IX VOLATILES IN WATER Data Package - VOA	DONE	

COMMENTS:

CLIENT ORIGINAL

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June 09, 1992
Report No.: 00008400
Section A Page 6

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K32-
VENDOR NO: 12980100

Carbon Copy:

SAMPLE ID: TCC-SW06-0-0003
NUS SAMPLE NO: P0198839
P.O. NO.:

DATE SAMPLED: 06-MAY-92
DATE RECEIVED: 11-MAY-92
APPROVED BY: J Simonic

LN	TEST CODE	DETERMINATION	RESULT	UNITS
20	DPACK	CLP Data Package Deliverable	DONE	
21	OVIXW	APPENDIX IX VOLATILES IN WATER		
		Data Package - VOA	DONE	

COMMENTS:

CLIENT ORIGINAL

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June 16, 1992
Report No.: 00006581
Section A Page 1

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 000
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

Carbon Copy:

SAMPLE ID: TCC-SW06-Z-0003
NUS SAMPLE NO: P0198727
P.O. NO.:

DATE SAMPLED: 06-MAY-92
DATE RECEIVED: 08-MAY-92
APPROVED BY: J Simanic

LN	TEST CODE	DETERMINATION	RESULT	UNI
3	ACLPW	TAL METALS & CLP DATA PACKAGE		
		Antimony	DONE	
		Arsenic	DONE	
		Barium	DONE	
		Beryllium	DONE	
		Cadmium	DONE	
		Chromium	DONE	
		Cobalt	DONE	
		Copper	DONE	
		Lead	DONE	
		Mercury	DONE	
		Nickel	DONE	
		Selenium	DONE	
		Silver	DONE	
		Thallium	DONE	
		Vanadium	DONE	
		Zinc	DONE	
4	I023	Alkalinity, Total (as CaCO3)	390	mg/L
5	I120	COD (O2)	17	mg/L
6	I130	Chloride (Cl)	200	mg/L
7	I590	Solids, Dissolved at 180C	720	mg/L
8	I390	Nitrate (as N)	90.9	%
11	I610	Solids, Suspended at 103C	< 10	mg/L
13	I106	Carbon, Organic - Nonpurgeable	96.7	%
16	OSVIXW	APPENDIX IX SEMIVOLATILES IN WATER		
		Data Package - BNA	DONE	
18	6120WC	PESTICIDES/PCBS + CLP DATA PACKAGE - WATER		
		Data Package - Pesticides/PCBs	DONE	

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June 16, 1992
Report No.: 00008581
Section A Page 1

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 000
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

Carbon Copy:

SAMPLE ID: TCC-SW06-Z-0003
NUS SAMPLE NO: P0198727
P.O. NO.:

DATE SAMPLED: 06-MAY-92
DATE RECEIVED: 08-MAY-92
APPROVED BY: J Simanic

LN	TEST CODE	DETERMINATION	RESULT	UNI
3	ACLPW	TAL METALS & CLP DATA PACKAGE		
		Antimony	DONE	
		Arsenic	DONE	
		Barium	DONE	
		Beryllium	DONE	
		Cadmium	DONE	
		Chromium	DONE	
		Cobalt	DONE	
		Copper	DONE	
		Lead	DONE	
		Mercury	DONE	
		Nickel	DONE	
		Selenium	DONE	
		Silver	DONE	
		Thallium	DONE	
		Vanadium	DONE	
		Zinc	DONE	
4	I023	Alkalinity, Total (as CaCO3)	390	mg/L
5	I120	COD (O2)	17	mg/L
6	I130	Chloride (Cl)	200	mg/L
7	I590	Solids, Dissolved at 180C	720	mg/L
8	I390	Nitrate (as N)	90.9	%
11	I610	Solids, Suspended at 103C	< 10	mg/L
13	I106	Carbon, Organic - Nonpurgeable	96.7	%
16	OSVIXW	APPENDIX IX SEMIVOLATILES IN WATER		
		Data Package - BNA	DONE	
18	6120WC	PESTICIDES/PCBS + CLP DATA PACKAGE - WATER		
		Data Package - Pesticides/PCBs	DONE	

CLIENT ORIGINAL

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June 16, 1992
Report No.: 00008581
Section A Page 2

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
SAMPLE ID: TCC-SW06-Z-0003
NUS SAMPLE NO: P0198727

LN	TEST CODE	DETERMINATION	RESULT	UNITS
19	I265WC	CLP - Cyanide (CN)	DONE	
20	DPACK	CLP Data Package Deliverable	DONE	
23	I300	Fluoride (F) - Direct	95.2	Z
24	I320	Hardness, Total (as CaCO3)	99.6	Z
25	6130W	CHLORINATED HERBICIDES		
		2,4,5-TP (Silvex)	< 0.05	ug/L
27	R03W	Gross Alpha and Beta		
		Gross Alpha	< 3	pC[illegible]
		Gross Beta	8.5 +/- 2.0	p[illegible]

COMMENTS: Gross Beta range= 3.6
Gross Beta range = unable to calculate; results < detection limit
Z = recovery of matrix spike

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June 16, 1992
Report No.: 00008581
Section A Page 2

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
SAMPLE ID: TCC-SW06-Z-0003
NUS SAMPLE NO: P0198727

LN	TEST CODE	DETERMINATION	RESULT	UNITS
19	I265WC	CLP - Cyanide (CN)	DONE	
20	DPACK	CLP Data Package Deliverable	DONE	
23	I300	Fluoride (F) - Direct	95.2	%
24	I320	Hardness, Total (as CaCO3)	99.6	%
25	6130W	CHLORINATED HERBICIDES		
		2,4,5-TP (Silvex)	< 0.05	ug/L
27	R03W	Gross Alpha and Beta		
		Gross Alpha	< 3	pC[illegible]
		Gross Beta	8.5 +/- 2.0	pC[illegible]

COMMENTS: Gross Beta range= 3.6
Gross Beta range = unable to calculate; results < detection limit
% = recovery of matrix spike

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June 09, 1992
Report No.: 00008400
Section A Page 5

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

Carbon Copy:

SAMPLE ID: TCC-SW06-Z-0003
NUS SAMPLE NO: P0198838
P.O. NO.:

DATE SAMPLED: 06-MAY-92
DATE RECEIVED: 11-MAY-92
APPROVED BY: J Simanic

LN	TEST CODE	DETERMINATION	RESULT	UNITS
20	DPACK	CLP Data Package Deliverable	DONE	
21	OVIXM	APPENDIX IX VOLATILES IN WATER Data Package - VOA	DONE	

COMMENTS:

CLIENT ORIGINAL

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June 09, 1992
Report No.: 00008400
Section A Page 5

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12980100

Carbon Copy:

SAMPLE ID: TCC-SW06-Z-0003
NUS SAMPLE NO: P0190838
P.O. NO.:

DATE SAMPLED: 06-MAY-92
DATE RECEIVED: 11-MAY-92
APPROVED BY: J Simonic

LN	TEST CODE	DETERMINATION	RESULT	UNITS
20	DPACK	CLP Data Package Deliverable	DONE	
21	OVIXW	APPENDIX IX VOLATILES IN WATER Data Package - VOA	DONE	

COMMENTS:

CLIENT ORIGINA

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June 09, 1992
Report No.: 00008398
Section A Page 3

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

Carbon Copy:

SAMPLE ID: TCC-SW11-W-0003
NUS SAMPLE NO: P0198726
P.O. NO.:

DATE SAMPLED: 06-MAY-92
DATE RECEIVED: 08-MAY-92
APPROVED BY: J Simanic

LN	TEST CODE	DETERMINATION	RESULT	UNITS
4	I023	Alkalinity, Total (as CaCO3)	300	mg/L
5	I120	COD (O2)	24	mg/L
6	I130	Chloride (Cl)	69	mg
7	I590	Solids, Dissolved at 180C	450	mg
8	I390	Nitrate (as N)	0.6	mg/L
11	I610	Solids, Suspended at 103C	14	mg/L
13	I106	Carbon, Organic - Nonpurgeable	6	mg/L
20	DPACK	CLP Data Package Deliverable	DONE	
23	I300	Fluoride (F) - Direct	0.4	mg/L
24	I320	Hardness, Total (as CaCO3)	280	mg/L

COMMENTS:

CLIENT ORIGINA

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June 09, 1992
Report No.: 00008398
Section A Page 3

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

Carbon Copy:

SAMPLE ID: TCC-SW11-W-0003
NUS SAMPLE NO: P0198726
P.O. NO.:

DATE SAMPLED: 08-MAY-92
DATE RECEIVED: 08-MAY-92
APPROVED BY: J Simanic

LN	TEST CODE	DETERMINATION	RESULT	UNITS
4	I023	Alkalinity, Total (as CaCO3)	300	mg/L
5	I120	COD (O2)	24	mg/L
6	I130	Chloride (Cl)	69	mg
7	I590	Solids, Dissolved at 180C	450	mg
8	I390	Nitrate (as N)	0.6	mg/L
11	I610	Solids, Suspended at 103C	14	mg/L
13	I106	Carbon, Organic - Nonpurgeable	6	mg/L
20	DPACK	CLP Data Package Deliverable	DONE	
23	I300	Fluoride (F) - Direct	0.4	mg/L
24	I320	Hardness, Total (as CaCO3)	280	mg/L

COMMENTS:

CLIENT ORIGINAL

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June 09, 1992
Report No.: 00008390
Section A Page 3

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K32-
VENDOR NO: 12990100

Carbon Copy:

SAMPLE ID: TCC-SW15-W-0003
NUS SAMPLE NO: P0198821
P.O. NO.:

DATE SAMPLED: 07-MAY-92
DATE RECEIVED: 08-MAY-92
APPROVED BY: J Simonic

LN	TEST CODE	DETERMINATION	RESULT	UNITS
3	ACLPW	TAL METALS & CLP DATA PACKAGE		
		Antimony	DONE	
		Arsenic	DONE	
		Barium	DONE	
		Beryllium	DONE	
		Cadmium	DONE	
		Chromium	DONE	
		Cobalt	DONE	
		Copper	DONE	
		Lead	DONE	
		Mercury	DONE	
		Nickel	DONE	
		Selenium	DONE	
		Silver	DONE	
		Thallium	DONE	
		Vanadium	DONE	
		Zinc	DONE	
4	I023	Alkalinity, Total (as CaCO3)	390	mg/L
5	I120	COD (O2)	33	mg/L
6	I130	Chloride (Cl)	38	mg/L
7	I590	Solids, Dissolved at 180C	440	mg/L
8	I380	Nitrate (as N)	< 0.1	mg/L
11	I810	Solids, Suspended at 103C	30	mg/L
13	I106	Carbon, Organic - Nonpurgeable	6	mg/L
16	OSVIXW	APPENDIX IX SEMIVOLATILES IN WATER		
		Data Package - BNA	DONE	
18	G120WC	PESTICIDES/PCBS + CLP DATA PACKAGE - WATER		
		Data Package - Pesticides/PCBs	DONE	
20	DPACK	CLP Data Package Deliverable	DONE	
23	I300	Fluoride (F) - Direct	0.6	mg/L

CLIENT ORIGINAL

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June 09, 1992
Report No.: 00008399
Section A Page 3

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

Carbon Copy:

SAMPLE ID: TCC-SW15-W-0003
NUS SAMPLE NO: P0198821
P.O. NO.:

DATE SAMPLED: 07-MAY-92
DATE RECEIVED: 09-MAY-92
APPROVED BY: J Simanic

LN	TEST CODE	DETERMINATION	RESULT	UNITS
3	ACLPW	TAL METALS & CLP DATA PACKAGE		
		Antimony	DONE	
		Arsenic	DONE	
		Barium	DONE	
		Beryllium	DONE	
		Cadmium	DONE	
		Chromium	DONE	
		Cobalt	DONE	
		Copper	DONE	
		Lead	DONE	
		Mercury	DONE	
		Nickel	DONE	
		Selenium	DONE	
		Silver	DONE	
		Thallium	DONE	
		Vanadium	DONE	
		Zinc	DONE	
4	I023	Alkalinity, Total (as CaCO3)	390	mg/L
5	I120	COD (O2)	33	mg/L
6	I130	Chloride (Cl)	38	mg/L
7	I580	Solids, Dissolved at 180C	440	mg/L
8	I390	Nitrate (as N)	< 0.1	mg/L
11	I610	Solids, Suspended at 103C	30	mg/L
13	I106	Carbon, Organic - Nonpurgeable	6	mg/L
16	OSVIXW	APPENDIX IX SEMIVOLATILES IN WATER		
		Data Package - BNA	DONE	
18	6120WC	PESTICIDES/PCBS + CLP DATA PACKAGE - WATER		
		Data Package - Pesticides/PCBs	DONE	
20	DPACK	CLP Data Package Deliverable	DONE	
23	I300	Fluoride (F) - Direct	0.6	mg/L

CLIENT ORIGINAL

HALLIBURTON NUS
Environmental Laboratories

5350 Campbells Run Road
Pittsburgh, PA 15205
800-228-6870

6751-L Engle Road
Cleveland, OH 441
216-891-4700

June 09, 1992
Report No.: 00008399
Section A Page 4

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
SAMPLE ID: TCC-SW15-W-0003
NUS SAMPLE NO: P0198821

LN	TEST CODE	DETERMINATION	RESULT	UNITS
24	I320	Hardness, Total (as CaCO3)	370	mg/L
25	G130W	CHLORINATED HERBICIDES		
		2,4,5-TP (Silvex)	< 0.05	ug/L

COMMENTS:

CLIENT ORIGINAL

HALLIBURTON NUS
Environmental Laboratories

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6751-L Engle Road
Cleveland, OH 441
216-891-4700

June 09, 1992
Report No.: 00008399
Section A Page 4

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
SAMPLE ID: TCC-SW15-W-0003
NUS SAMPLE NO: P0198821

LN	TEST CODE	DETERMINATION	RESULT	UNITS
24	I320	Hardness, Total (as CaCO3)	370	mg/L
25	6130W	CHLORINATED HERBICIDES		
		2,4,5-TP (Silvex)	< 0.05	ug/L

COMMENTS:

CLIENT ORIGINAL

HALLIBURTON NUS
Environmental Laboratories

5350 Campbells Run Road
Pittsburgh, PA 15205
800-228-6870

6751-L Engle Road
Cleveland, OH 44
216-891-4700

June 09, 1992
Report No.: 00008400
Section A Page 8

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

Carbon Copy:

SAMPLE ID: TCC-SW15-W-0003
NUS SAMPLE NO: P0198841
P.O. NO.:

DATE SAMPLED: 07-MAY-92
DATE RECEIVED: 11-MAY-92
APPROVED BY: J Simanic

LN	TEST CODE	DETERMINATION	RESULT	UNITS
20	DPACK	CLP Data Package Deliverable	DONE	
21	OVIXW	APPENDIX IX VOLATILES IN WATER Data Package - VOA	DONE	

COMMENTS:

CLIENT ORIGINAL

HALLIBURTON NUS
Environmental Laboratories

5350 Campbells Run Road
Pittsburgh, PA 15205
800-228-6870

6751-L Engle Road
Cleveland, OH 44
216-891-4700

June 09, 1992
Report No.: 00008400
Section A Page 8

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

Carbon Copy:

SAMPLE ID: TCC-SW15-W-0003
NUS SAMPLE NO: P0198841
P.O. NO.:

DATE SAMPLED: 07-MAY-92
DATE RECEIVED: 11-MAY-92
APPROVED BY: J Simonic

LN	TEST CODE	DETERMINATION	RESULT	UNITS
20	DPACK	CLP Data Package Deliverable	DONE	
21	OVIXW	APPENDIX IX VOLATILES IN WATER Data Package - VOA	DONE	

COMMENTS:

CLIENT ORIGINAL

HALLIBURTON NUS
Environmental Laboratories

5350 Campbells Run Road
Pittsburgh, PA 15205
800-228-6870

6751-L Engle Road
Cleveland, OH 441
216-891-4700

June 09, 199
Report No.: 00008398
Section A Page 10

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

Carbon Copy:

SAMPLE ID: TCC-SW20-W-0003
NUS SAMPLE NO: P0198730
P.O. NO.:

DATE SAMPLED: 08-MAY-92
DATE RECEIVED: 08-MAY-92
APPROVED BY: J Simanic

LN	TEST CODE	DETERMINATION	RESULT	UNITS
4	I023	Alkalinity, Total (as CaCO3)	480	mg/L
5	I120	COD (O2)	21	mg/L
6	I130	Chloride (Cl)	270	mg/l
7	I590	Solids, Dissolved at 180C	1000	mg/
8	I390	Nitrate (as N)	0.9	mg/L
11	I610	Solids, Suspended at 103C	43	mg/L
13	I106	Carbon, Organic - Nonpurgeable	5	mg/L
23	I300	Fluoride (F) - Direct	1.2	mg/L
24	I320	Hardness, Total (as CaCO3)	540	mg/L

COMMENTS:

CLIENT ORIGINAL

HALLIBURTON NUS
Environmental Laboratories

5350 Campbells Run Road
Pittsburgh, PA 15205
800-228-6870

6751-L Engle Road
Cleveland, OH 441
216-891-4700

June 09, 199
Report No.: 00008398
Section A Page 10

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K32-
VENDOR NO: 12990100

Carbon Copy:

SAMPLE ID: TCC-SW20-W-0003
NUS SAMPLE NO: P0198730
P.O. NO.:

DATE SAMPLED: 08-MAY-92
DATE RECEIVED: 08-MAY-92
APPROVED BY: J Simanic

LN	TEST CODE	DETERMINATION	RESULT	UNITS
4	I023	Alkalinity, Total (as CaCO3)	480	mg/L
5	I120	COD (O2)	21	mg/L
6	I130	Chloride (Cl)	270	mg/L
7	I590	Solids, Dissolved at 180C	1000	mg/
8	I390	Nitrate (as N)	0.9	mg/L
11	I610	Solids, Suspended at 103C	43	mg/L
13	I106	Carbon, Organic - Nonpurgeable	5	mg/L
23	I300	Fluoride (F) - Direct	1.2	mg/L
24	I320	Hardness, Total (as CaCO3)	540	mg/L

COMMENTS:

CLIENT ORIGINAL

HALLIBURTON NUS
Environmental Laboratories

5350 Campbells Run Road
Pittsburgh, PA 15205
800-228-6870

6751-L Engle Road
Cleveland, OH 441
216-891-4700

June 09, 1992
Report No.: 00008399
Section A Page 1

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

Carbon Copy:

SAMPLE ID: TEC-SW22A-W-0003
NUS SAMPLE NO: P0198820
P.O. NO.:

DATE SAMPLED: 07-MAY-92
DATE RECEIVED: 09-MAY-92
APPROVED BY: J Siemnic

LN	TEST CODE	DETERMINATION	RESULT	UNIT
3	ACLPW	TAL METALS & CLP DATA PACKAGE		
		Antimony	DONE	
		Arsenic	DONE	
		Barium	DONE	
		Beryllium	DONE	
		Cadmium	DONE	
		Chromium	DONE	
		Cobalt	DONE	
		Copper	DONE	
		Lead	DONE	
		Mercury	DONE	
		Nickel	DONE	
		Selenium	DONE	
		Silver	DONE	
		Thallium	DONE	
		Vanadium	DONE	
		Zinc	DONE	
4	I023	Alkalinity, Total (as CaCO3)	210	mg/L
5	I120	COD (O2)	7	mg/L
6	I130	Chloride (Cl)	8	mg/L
7	I590	Solids, Dissolved at 180C	240	mg/L
8	I390	Nitrate (as N)	0.1	mg/L
11	I810	Solids, Suspended at 103C	18	mg/L
13	I106	Carbon, Organic - Nonpurgeable	2	mg/L
16	OSVIXW	APPENDIX IX SEMIVOLATILES IN WATER		
		Data Package - BNA	DONE	
18	G120WC	PESTICIDES/PCBS + CLP DATA PACKAGE - WATER		
		Data Package - Pesticides/PCBs	DONE	

CLIENT ORIGINAL

HALLIBURTON NUS
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216-891-4700

June 09, 1992
Report No.: 00008399
Section A Page 1

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

Carbon Copy:

SAMPLE ID: TEC-SW22A-W-0003
NUS SAMPLE NO: P0198820
P.O. NO.:

DATE SAMPLED: 07-MAY-92
DATE RECEIVED: 09-MAY-92
APPROVED BY: J Simanic

LN	TEST CODE	DETERMINATION	RESULT	UNIT
3	ACLPW	TAL METALS & CLP DATA PACKAGE		
		Antimony	DONE	
		Arsenic	DONE	
		Barium	DONE	
		Beryllium	DONE	
		Cadmium	DONE	
		Chromium	DONE	
		Cobalt	DONE	
		Copper	DONE	
		Lead	DONE	
		Mercury	DONE	
		Nickel	DONE	
		Selenium	DONE	
		Silver	DONE	
		Thallium	DONE	
		Vanadium	DONE	
		Zinc	DONE	
4	I023	Alkalinity, Total (as CaCO3)	210	mg/L
5	I120	COD (O2)	7	mg/L
6	I130	Chloride (Cl)	8	mg/L
7	I590	Solids, Dissolved at 180C	240	mg/L
8	I390	Nitrate (as N)	0.1	mg/L
11	I610	Solids, Suspended at 103C	18	mg/L
13	I106	Carbon, Organic - Nonpurgeable	2	mg/L
16	OSVIXW	APPENDIX IX SEMIVOLATILES IN WATER		
		Data Package - BNA	DONE	
18	G120WC	PESTICIDES/PCBS + CLP DATA PACKAGE - WATER		
		Data Package - Pesticides/PCBs	DONE	

CLIENT ORIGINAL

HALLIBURTON NUS
Environmental Laboratories

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June 09, 1992
Report No.: 00008399
Section A Page 2

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
SAMPLE ID: TEC-SW22A-W-0003
NUS SAMPLE NO: P0198820

LN	TEST CODE	DETERMINATION	RESULT	UNITS
19	I285WC	CLP - Cyanide (CN)	DONE	
20	DPACK	CLP Data Package Deliverable	DONE	
23	I300	Fluoride (F) - Direct	0.4	mg/L
24	I320	Hardness, Total (as CaCO3)	200	mg/L
25	6130W	CHLORINATED HERBICIDES		
		2,4,5-TP (Silvex)	< 0.05	ug/L
27	R03W	Gross Alpha and Beta		
		Gross Alpha	8.3 +/- 2.6	pCi/L
		Gross Beta	< 4	pCi/

COMMENTS:

CLIENT ORIGINAL

HALLIBURTON NUS
Environmental Laboratories

5350 Campbells Run Road
Pittsburgh, PA 15205
800-228-6870

6751-L Engle Road
Cleveland, OH 441
216-891-4700

June 09, 1992
Report No.: 00008390
Section A Page 2

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
SAMPLE ID: TEC-SW22A-W-0003
NUS SAMPLE NO: P0198820

LN	TEST CODE	DETERMINATION	RESULT	UNITS
19	I205WC	CLP - Cyanide (CN)	DONE	
20	DPACK	CLP Data Package Deliverable	DONE	
23	I300	Fluoride (F) - Direct	0.4	mg/L
24	I320	Hardness, Total (as CaCO3)	200	mg/L
25	G130W	CHLORINATED HERBICIDES		
		2,4,5-TP (Silvex)	< 0.05	ug/L
27	R03W	Gross Alpha and Beta		
		Gross Alpha	8.3 +/- 2.6	pCi/L
		Gross Beta	< 4	pCi/

COMMENTS:

CLIENT ORIGINAL

HALLIBURTON NUS
Environmental Laboratories

5350 Campbells Run Road
Pittsburgh, PA 15205
800-228-6870

6751-L Engle Road
Cleveland, OH 441
216-891-4700

June 09, 1992
Report No.: 00008400
Section A Page 1

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

Carbon Copy:

SAMPLE ID: TEC-SW22A-W-0003
NUS SAMPLE NO: P0198834
P.O. NO.:

DATE SAMPLED: 07-MAY-92
DATE RECEIVED: 11-MAY-92
APPROVED BY: J Simonic

LN	TEST CODE	DETERMINATION	RESULT	UNIT
20	DPACK	CLP Data Package Deliverable	DONE	
21	OVIDW	APPENDIX IX VOLATILES IN WATER Data Package - VOA	DONE	

COMMENTS:

CLIENT ORIGINAL

HALLIBURTON NUS
Environmental Laboratories

5350 Campbells Run Road
Pittsburgh, PA 15205
800-228-6870

6751-L Engle Road
Cleveland, OH 441.
216-891-4700

June 09, 1992
Report No.: 00008400
Section A Page 1

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3X92-
VENDOR NO: 12990100

Carbon Copy:

SAMPLE ID: TEC-SW22A-W-0003
NUS SAMPLE NO: P0198834
P.O. NO.:

DATE SAMPLED: 07-MAY-92
DATE RECEIVED: 11-MAY-92
APPROVED BY: J Simonic

LN	TEST CODE	DETERMINATION	RESULT	UNIT
20	DPACK	CLP Data Package Deliverable	DONE	
21	OVIXW	APPENDIX IX VOLATILES IN WATER Data Package - VOA	DONE	

COMMENTS:

CLIENT ORIGINAL

HALLIBURTON NUS
Environmental Laboratories

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Pittsburgh, PA 15205
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Cleveland, OH 441.
216-891-4700

June 09, 1992
Report No.: 00008400
Section A Page 7

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

Carbon Copy:

SAMPLE ID: T-TBW1-050892
NUS SAMPLE NO: P0198840
P.O. NO.:

DATE SAMPLED: 08-MAY-92
DATE RECEIVED: 11-MAY-92
APPROVED BY: J Simanic

LN	TEST CODE	DETERMINATION	RESULT	UNITS
20	DPACK	CLP Data Package Deliverable	DONE	
21	OVIXW	APPENDIX IX VOLATILES IN WATER		
		Data Package - VOA	DONE	

COMMENTS:

CLIENT ORIGINAL

HALLIBURTON NUS
Environmental Laboratories

5350 Campbells Run Road
Pittsburgh, PA 15205
800-228-6870

6751-L Engle Road
Cleveland, OH 441
216-891-4700

June 09, 1992
Report No.: 00008400
Section A Page 7

LABORATORY ANALYSIS REPORT

CLIENT NAME: TINKER AFB - C/O HALLIBURTON NUS ENVIRONMENTAL
ADDRESS: 800 OAK RIDGE TURNPIKE
OAK RIDGE, TN 37830-
ATTENTION: MR. PHIL OTTINGER

NUS CLIENT NO: 1412 0001
WORK ORDER NO: 3K92-
VENDOR NO: 12990100

Carbon Copy:

SAMPLE ID: T-TBW1-050892
NUS SAMPLE NO: P0198840
P.O. NO.:

DATE SAMPLED: 08-MAY-92
DATE RECEIVED: 11-MAY-92
APPROVED BY: J Simanic

LN	TEST CODE	DETERMINATION	RESULT	UNITS
20	DPACK	CLP Data Package Deliverable	DONE	
21	OVIXN	APPENDIX IX VOLATILES IN WATER		
		Data Package - VOA	DONE	

COMMENTS:

STANLEY ENGINEERING, INC.

ALPHA ANALYTICAL LABORATORIES

2700 N.W. 39th Street
Okla. City, Okla. 73112
(405)948-6505
1-800-752-4830

CLIENT & CUSTODY

Client	HALLIBURTON NUS CORPORATION		
Purchase Order:	VERBAL		
Requested By:	LINDA FRAME		
Collected By:	LINDA FRAME	Date:	5/7/92
Delivered By:	LINDA FRAME	Date:	5/7/92
Received By:	ABBY MILLIRON	Date:	5/7/92
Custody Established (yes or no):	YES		

ANALYTICAL RESULTS

Laboratory Number	Client Sample Number	Analysis Requested (Parameter)	Results (mg/l)*	METHOD
920584	TCC-SW06-Q-3	BOD5	<0.1	EPA 405.1
		MBAS	<0.03	EPA 425.1
		Turbidity	11 NTU	EPA 180.1
920585	TCC-SW06-Z-3	BOD5	<0.1	EPA 405.1
		MBAS	<0.03	EPA 425.1
		Turbidity	8 NTU	EPA 180.1
920586	TCC-SW06-C-3	BOD5	<0.1	EPA 405.1
		MBAS	<0.03	EPA 425.1
		Turbidity	8 NTU	EPA 180.1
920587	TCC-SW11-W-3	BOD5	<0.1	EPA 405.1
		MBAS	<0.03	EPA 425.1
		Turbidity	18 NTU	EPA 180.1
920588	TCC-SW06-W-3	BOD5	<0.1	EPA 405.1
		MBAS	<0.03	EPA 425.1
		Turbidity	13 NTU	EPA 180.1

* *Results are reported in milligrams per liter unless otherwise stated.*

RESULTS REVIEW & APPROVAL

Chemist of Record:	J. Hart	By:	JAH
Date:	2-June-92	Time	VARIOUS

CERTIFICATION NUMBER 8417

STANLEY ENGINEERING, INC.

ALPHA ANALYTICAL LABORATORIES

2700 N.W. 39th Street
Okla. City, Okla. 73112
(405)948-6505
1-800-752-4830

CLIENT & CUSTODY

Client	HALLIBURTON NUS CORPORATION		
Purchase Order:	VERBAL		
Requested By:	LINDA FRAME		
Collected By:	LINDA FRAME	Date:	5/7/92
Delivered By:	LINDA FRAME	Date:	5/7/92
Received By:	ABBY MILLIRON	Date:	5/7/92
Custody Established (yes or no):	YES		

ANALYTICAL RESULTS

Laboratory Number	Client Sample Number	Analysis Requested (Parameter)	Results (mg/l)*	METHOD
920584	TCC-SW06-Q-3	BOD5	<0.1	EPA 405.1
		MBAS	<0.03	EPA 425.1
		Turbidity	11 NTU	EPA 180.1
920585	TCC-SW06-Z-3	BOD5	<0.1	EPA 405.1
		MBAS	<0.03	EPA 425.1
		Turbidity	8 NTU	EPA 180.1
920586	TCC-SW06-C-3	BOD5	<0.1	EPA 405.1
		MBAS	<0.03	EPA 425.1
		Turbidity	8 NTU	EPA 180.1
920587	TCC-SW11-W-3	BOD5	<0.1	EPA 405.1
		MBAS	<0.03	EPA 425.1
		Turbidity	18 NTU	EPA 180.1
920588	TCC-SW06-W-3	BOD5	<0.1	EPA 405.1
		MBAS	<0.03	EPA 425.1
		Turbidity	13 NTU	EPA 180.1

* *Results are reported in milligrams per liter unless otherwise stated.*

RESULTS REVIEW & APPROVAL

Chemist of Record:	J. Hart	By:	JAH
Date:	2-June-92	Time	VARIOUS

CERTIFICATION NUMBER 8417

STANLEY ENGINEERING, INC.

ALPHA ANALYTICAL LABORATORIES

2700 N.W. 39th Street
Okla. City, Okla. 73112
(405)948-6505

CLIENT & CUSTODY

1800-752-4850

Client	HALLIBURTON NUS CORPORATION		
Purchase Order:	VERBAL		
Requested By:	LINDA FRAME		
Collected By:	LINDA FRAME	Date:	5/7/92
Delivered By:	LINDA FRAME	Date:	5/7/92
Received By:	ABBY MILLIRON	Date:	5/7/92
Custody Established (yes or no):	YES		

ANALYTICAL RESULTS

Laboratory Number	Client Sample Number	Analysis Requested (Parameter)	Results (mg/l)*	METHOD
920589	TCC-SW20-W-3	BOD5	<0.1	EPA 405.1
		MBAS	<0.03	EPA 425.1
		Turbidity	14 NTU	EPA 180.1
920590	TKC-SW01-W-3	BOD5	<0.1	EPA 405.1
		MBAS	<0.03	EPA 425.1
		Turbidity	15 NTU	EPA 180.1

BOD5 incubated 5/8/92 @ 1411
BOD5 read 5-13-92 @ 1000
BOD5 on dilution water: 1.0 mg/L

* *Results are reported in milligrams per liter unless otherwise stated.*

RESULTS REVIEW & APPROVAL

Chemist of Record:	J. Hart	By:	JAH
Date:	2-June-92	Time	VARIOUS

CERTIFICATION NUMBER 8417

STANLEY ENGINEERING, INC.

ALPHA ANALYTICAL LABORATORIES

2700 N.W. 39th Street
Okla. City, Okla. 73112
(405)948-6505

CLIENT & CUSTODY

1800-752-4830

Client	HALLIBURTON NUS CORPORATION		
Purchase Order:	VERBAL		
Requested By:	LINDA FRAME		
Collected By:	LINDA FRAME	Date:	5/7/92
Delivered By:	LINDA FRAME	Date:	5/7/92
Received By:	ABBY MILLIRON	Date:	5/7/92
Custody Established (yes or no):	YES		

ANALYTICAL RESULTS

Laboratory Number	Client Sample Number	Analysis Requested (Parameter)	Results (mg/l)*	METHOD
920589	TCC-SW20-W-3	BOD5	<0.1	EPA 405.1
		MBAS	<0.03	EPA 425.1
		Turbidity	14 NTU	EPA 180.1
920590	TKC-SW01-W-3	BOD5	<0.1	EPA 405.1
		MBAS	<0.03	EPA 425.1
		Turbidity	15 NTU	EPA 180.1

BOD5 incubated 5/8/92 @ 1411
BOD5 read 5-13-92 @ 1000
BOD5 on dilution water: 1.0 mg/L

** Results are reported in milligrams per liter unless otherwise stated.*

RESULTS REVIEW & APPROVAL

Chemist of Record:	J. Hart	By:	JAH
Date:	2-June-92	Time	VARIOUS

CERTIFICATION NUMBER 8417

STANLEY ENGINEERING, INC.

ALPHA ANALYTICAL LABORATORIES

2700 N.W. 39th Street
Okla. City, Okla. 73112
(405)948-6505

CLIENT & CUSTODY

Client	HALLIBURTON NUS CORPORATION		
Purchase Order:	VERBAL		
Requested By:	LINDA FRAME		
Collected By:	LINDA FRAME	Date:	5/8/92
Delivered By:	LINDA FRAME	Date:	5/8/92
Received By:	ABBY MILLIRON	Date:	5/8/92
Custody Established (yes or no):	YES		

ANALYTICAL RESULTS

Laboratory Number	Client Sample Number	Analysis Requested (Parameter)	Results (mg/l)*	METHOD
920593	TEC-SW22A-W-0003	BOD5 MBAS Turbidity	1.8 0.03 27 NTU	EPA 405.1 EPA 425.1 EPA 180.1
920594	TCC-SW15-W-0003	BOD5 Turbidity	<0.1 22 NTU	EPA 405.1 EPA 180.1

BOD5 incubated 5/8/92 @ 1411
BOD5 read 5/13-92 @ 1000
BOD5 on dilution water: 1.0 mg/L

* *Results are reported in milligrams per liter unless otherwise stated.*

RESULTS REVIEW & APPROVAL

Chemist of Record:	J. Hart	By:	JAH
Date:	2-June-92	Time	VARIOUS

CERTIFICATION NUMBER 8417

STANLEY ENGINEERING, INC.

ALPHA ANALYTICAL LABORATORIES

2700 N.W. 39th Street
Okla. City, Okla. 73112
(405)948-6505

CLIENT CUSTODY

1800-752-4850

Client	HALLIBURTON NUS CORPORATION		
Purchase Order:	VERBAL		
Requested By:	LINDA FRAME		
Collected By:	LINDA FRAME	Date:	5/8/92
Delivered By:	LINDA FRAME	Date:	5/8/92
Received By:	ABBY MILLIRON	Date:	5/8/92
Custody Established (yes or no):	YES		

ANALYTICAL RESULTS

Laboratory Number	Client Sample Number	Analysis Requested (Parameter)	Results (mg/l)*	METHOD
920593	TEC-SW22A-W-0003	BOD5	1.8	EPA 405.1
		MBAS	0.03	EPA 425.1
		Turbidity	27 NTU	EPA 180.1
920594	TCC-SW15-W-0003	BOD5	<0.1	EPA 405.1
		Turbidity	22 NTU	EPA 180.1

BOD5 incubated 5/8/92 @ 1411
BOD5 read 5/13-92 @ 1000
BOD5 on dilution water: 1.0 mg/L

* *Results are reported in milligrams per liter unless otherwise stated.*

RESULTS REVIEW & APPROVAL

Chemist of Record:	J. Hart	By:	JAH
Date:	2-June-92	Time	VARIOUS

CERTIFICATION NUMBER 8417