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LETTER REGARDING RESPONSE TO REGULATORY COMMENTS ON CONTAMINATION ASSESSMENT ADDENDUM FOR BUILDING 2273 NTC ORLANDO FL
9/5/1997
ABB ENVIRONMENTAL

ABB

250

September 5, 1997

Document No.: 08545.026

Mr. John Mitchell
Remedial Project Manager
State of Florida
Department of Environmental Protection
Twin Towers Building
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Subject: **Contamination Assessment Report Addendum**
Building 2273, Main Base
Naval Training Center, Orlando, Florida
Contract No.: N62467-89-D-0317/107

Dear Mr. Mitchell:

This Contamination Assessment Report (CAR) Addendum has been completed for Building 2273 to address comments generated by the Florida Department of Environmental Protection (FDEP) and outlined in a letter dated April 24, 1997 (Attachment A). The following is a summary of the FDEP comments followed by ABB Environmental Services, Inc., responses.

1. Install two additional monitoring wells screened at the same approximate depth as DW-1. One well should be placed to the southeast of well DW-1 and the other well to the north-northeast to better determine groundwater flow.

Two deep monitoring wells (DW-4 and DW-5) were installed with the screen interval at the same depth as DW-1 on June 5 and 6, 1997, in the locations described by FDEP (see Figure 1, Attachment B). Each deep monitoring well was constructed by first cementing 20 feet of 6-inch diameter polyvinyl chloride (PVC) surface casing using hollow-stem auger drilling techniques. After the cement had hardened, the wells were completed using mud-rotary drilling techniques to a total depth of 32 feet below land surface (bls). Each well was constructed with 5 feet of 2-inch diameter 0.010-inch slotted well screen coupled to 27 feet of 2-inch schedule 40 solid PVC. The screened interval in these wells was placed between 27 and 32 feet bls. Figure 2 (Attachment B) depicts typical deep monitoring well construction detail. A summary of the well construction details is presented in Table 1 (Attachment C). Well completion logs provided by the drilling subcontractor are included as Attachment D.

The locations of DW-4 and DW-5 are shown on Figure 1 (Attachment B). Groundwater flow across the site was assessed by measuring water levels on June 24, 1997, in the site's monitoring wells and by surveying the relative top-of-casing (TOC) elevations. Measured water levels were subtracted from the TOC elevations to obtain the groundwater elevation. Shallow monitoring well elevations were used to assess the water table surface and groundwater flow direction. Deep monitoring well elevations represent pressure differences within the aquifer. Pressure differences might be due to the presence of semiconfining geologic units within the surficial sediments. The shallow groundwater flow direction, based on the water table surface map, is from northeast to southwest (see Figure 3, Attachment B). The deep groundwater

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flow direction, based on water-level elevations from deep wells DW-1, DW-2, DW-4, and DW-5, is also from northeast to southwest (see Figure 4, Attachment B). The groundwater elevation for deep well DW-3 was not used to determine the groundwater flow direction. The difference in groundwater elevation in DW-3 could be related to well construction or a geologic unit acting as a semiconfining layer within the surficial aquifer. Table 2 (Attachment C) is a summary of groundwater elevation data for the site.

3. All the deep wells should be sampled and analyzed for the kerosene analytical group.

Groundwater samples were collected from deep monitoring wells DW-1, DW-2, DW-3, DW-4, and DW-5 on June 24, 1997. All samples were transported to PC&B Environmental Laboratories, Inc., of Oviedo, Florida, and analyzed for the Chapter 62-770, Florida Administrative Code (FAC) kerosene analytical group, which includes the following U.S. Environmental Protection Agency Methods: 504 (ethylene dibromide), 601 (volatile halocarbons), 602 (volatile organic aromatics [VOA]), 239.2 (total lead), 610 (polynuclear aromatic hydrocarbons), and 418.1 (total recoverable petroleum hydrocarbons).

Laboratory analytical results for the June 24, 1997, sampling event indicate the presence of several compounds at concentrations that exceed Chapter 62-770, FAC, target cleanup levels, including total VOAs (DW-1, 255.4 micrograms per liter [$\mu g/\ell$]; and DW-2, 53.3 $\mu g/\ell$); chlorobenzene (DW-2, 29.9 $\mu g/\ell$); and, 1,2-dichlorobenzene (DW-3, 42.8 $\mu g/\ell$). In addition, several other compounds were detected at levels exceeding laboratory standard detection limits, including ethylbenzene (DW-1, 5.4 $\mu g/\ell$; DW-2, 4 $\mu g/\ell$; and DW-4, 3.7 $\mu g/\ell$); xylenes (DW-1, 250 $\mu g/\ell$; DW-2, 46 $\mu g/\ell$; and DW-4, 12 $\mu g/\ell$); total VOAs (DW-4, 15.7 $\mu g/\ell$); and naphthalenes (DW-5, 46 $\mu g/\ell$). Figures 5 and 6 (Attachment B) are contaminant concentration maps for the shallow and deep monitoring wells. The laboratory analytical reports and chain-of-custody records are included as Attachment E. Table 3 (Attachment C) summarizes all the laboratory analytical results for the site.

Conclusions and Recommendations

With the installation and sampling of the two additional deep wells (DW-4 and DW-5), contaminant concentrations that exceed Chapter 62-770, FAC, target cleanup levels have been defined. Based upon the relative isolated area of contamination, ABB-ES recommends the overdevelopment of monitoring wells MW-1, DW-1, and DW-2 in an attempt to lower contaminant concentrations. Following overdevelopment, all the site's monitoring wells should be sampled. The data from the sampling event after overdevelopment will be presented to FDEP for review with recommendations for the site.

Should you have any questions regarding this site or the data provided within this report, please call the undersigned at (407) 895-8845.

Very Truly Yours,

ABB ENVIRONMENTAL SERVICES, INC.

Scott Donelick
Geologist

9/4/97
Manuel Alonso, P.G.
Technical Lead
P.G. No. 0001256

cc: Wayne Hansel, SOUTHNAVFACENGCOM
Nick Ugolini, SOUTHNAVFACENGCOM
Mark Zill, NTC, Orlando
File
Lt. Gary Whipple, NTC, Orlando
John Kaiser, ABB-ES
Nancy Rodriguez, USEPA

ATTACHMENT A

FDEP REVIEW LETTER

710-085-45

Department of Environmental Protection

Lawton Chiles
Governor

Twin Towers Building
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Virginia B. Wetherell
Secretary

April 24, 1997

Mr. Nick Ugolini
Code 184(PVC)
Southern Division
Naval Facilities Engineering Command
2155 Eagle Drive
P.O. Box 190010
North Charleston, South Carolina 29419-9010

RE: Contamination Assessment Report, Building 2273, Main Base, NTC Orlando
FDEP #488840202

Dear Mr. Ugolini:

I have completed the technical review of the Contamination Assessment Report (CAR) dated March 1997 (received March 14, 1997) submitted for Building 2273. I agree that overdevelopment of the contaminated deep monitoring well DW-1 would be inappropriate based on the chlorinated benzenes found in monitoring well DW-3. However, the flow of groundwater in the intermediate portion of the surficial aquifer is not adequately determined. It appears there may be a possible reversal or different direction of groundwater flow in this zone of the aquifer. I recommend placing two additional monitoring wells screened at the same approximate depth as monitoring well DW-1. One well should be placed to the southeast of well DW-1 and the other well to the north-northeast to better determine groundwater flow. All of the "deep" wells should be sampled and analyzed for the kerosene analytical group. Please submit a CAR Addendum to report the results.

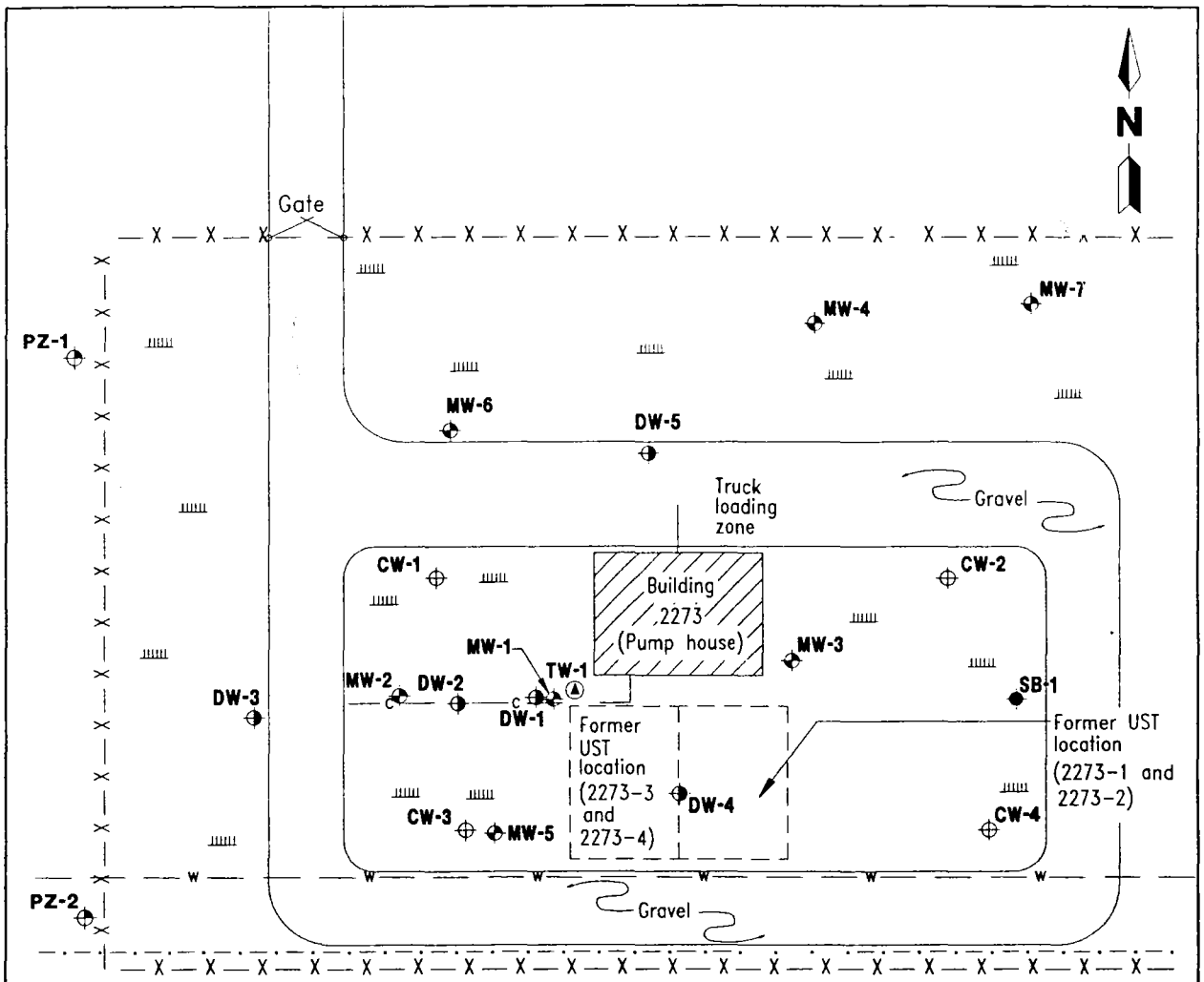
If I can be of any further assistance with this matter, please contact me at (904) 921-9989.

Sincerely,

John W. Mitchell
Remedial Project Manager

ATTACHMENT B

FIGURES



LEGEND

DW-1	Deep monitoring well location and designation	— X —	Chain-link fence
SB-1	Soil boring location and designation	— w —	Underground water line
MW-1	Monitoring well location and designation	TW-1	Temporary well location and designation
CW-1	Compliance well location and designation	PZ-1	Piezometer location and designation
		— · — · —	Underground natural gas line
		—c— c—	Underground cable
			Grass

Note: UST = underground storage tank

0 15 30
SCALE: 1 INCH = 30 FEET

FIGURE 1
SITE PLAN

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CONTAMINATION ASSESSMENT REPORT ADDENDUM
BUILDING 2273
MAIN BASE

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

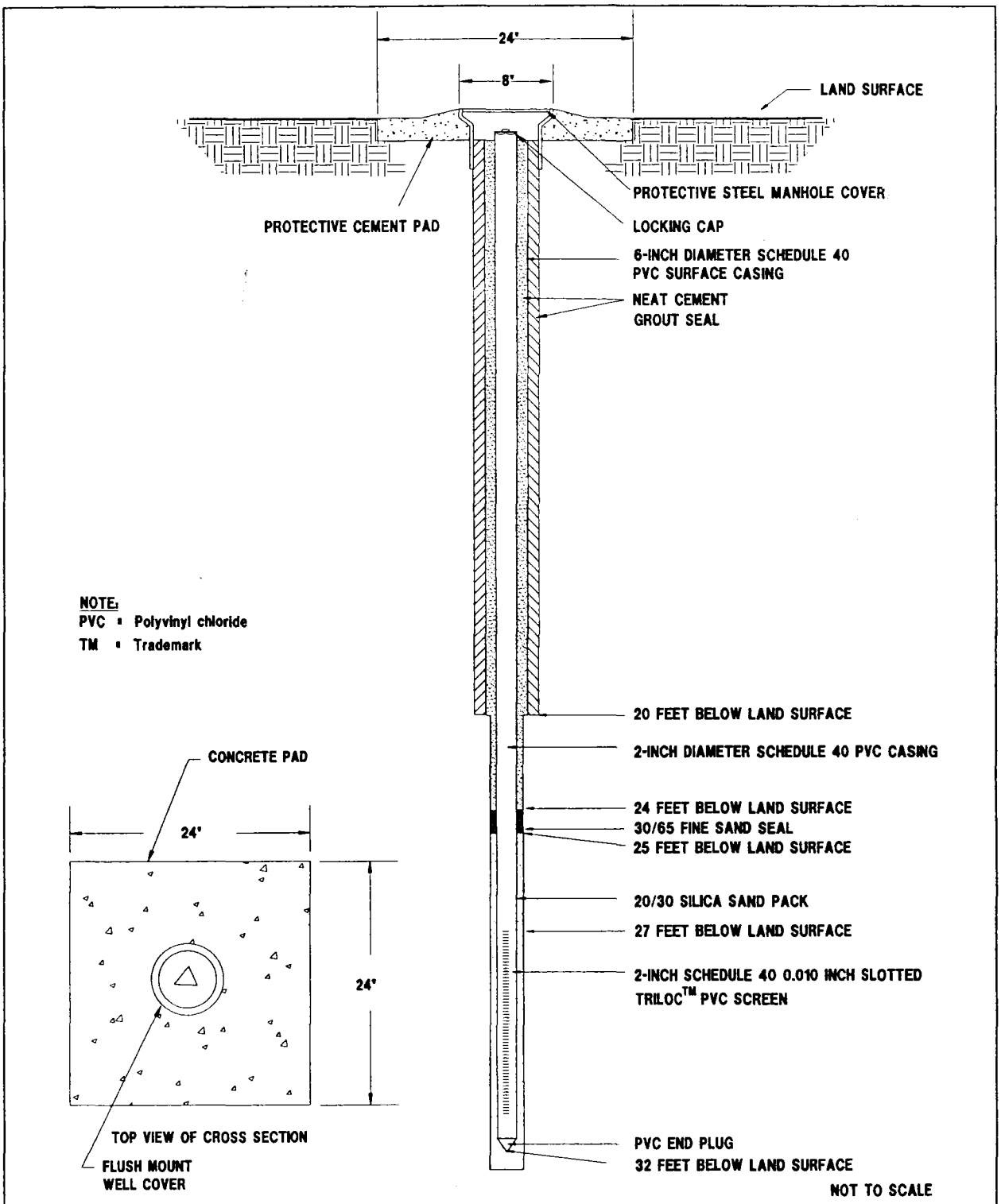

FIGURE 2
TYPICAL DEEP MONITORING WELL CONSTRUCTION DETAIL

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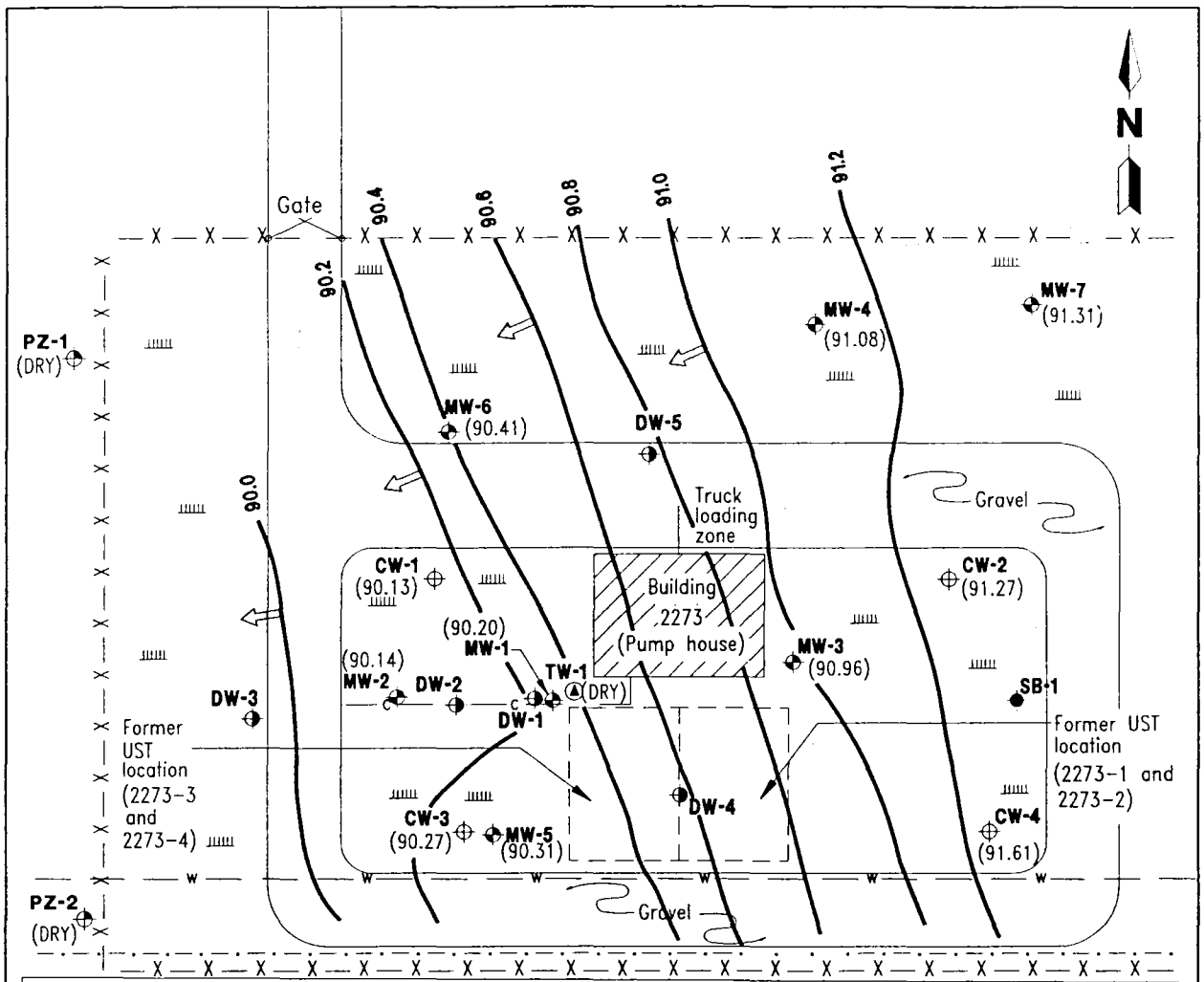
CONTAMINATION ASSESSMENT REPORT ADDENDUM
BUILDING 2273
MAIN BASE

NAVAL TRAINING CENTER
ORLANDO, FLORIDA



LEGEND

DW-1	Deep monitoring well location and designation	⇦	Groundwater flow direction
SB-1	Soil boring location and designation	— X —	Chain-link fence
MW-1	Monitoring well location and designation	— w —	Underground water line
CW-1	Compliance well location and designation	TW-1	Temporary well location and designation
(90.20)	Shallow water table elevation	PZ-1	Piezometer location and designation
91.0	Water table elevation contour	— • — • —	Underground natural gas line
		—c— c—	Underground cable
			Grass

Note: UST = underground storage tank

0 15 30
SCALE: 1 INCH = 30 FEET

FIGURE 3
SHALLOW WATER TABLE ELEVATION CONTOUR MAP
JUNE 24, 1997

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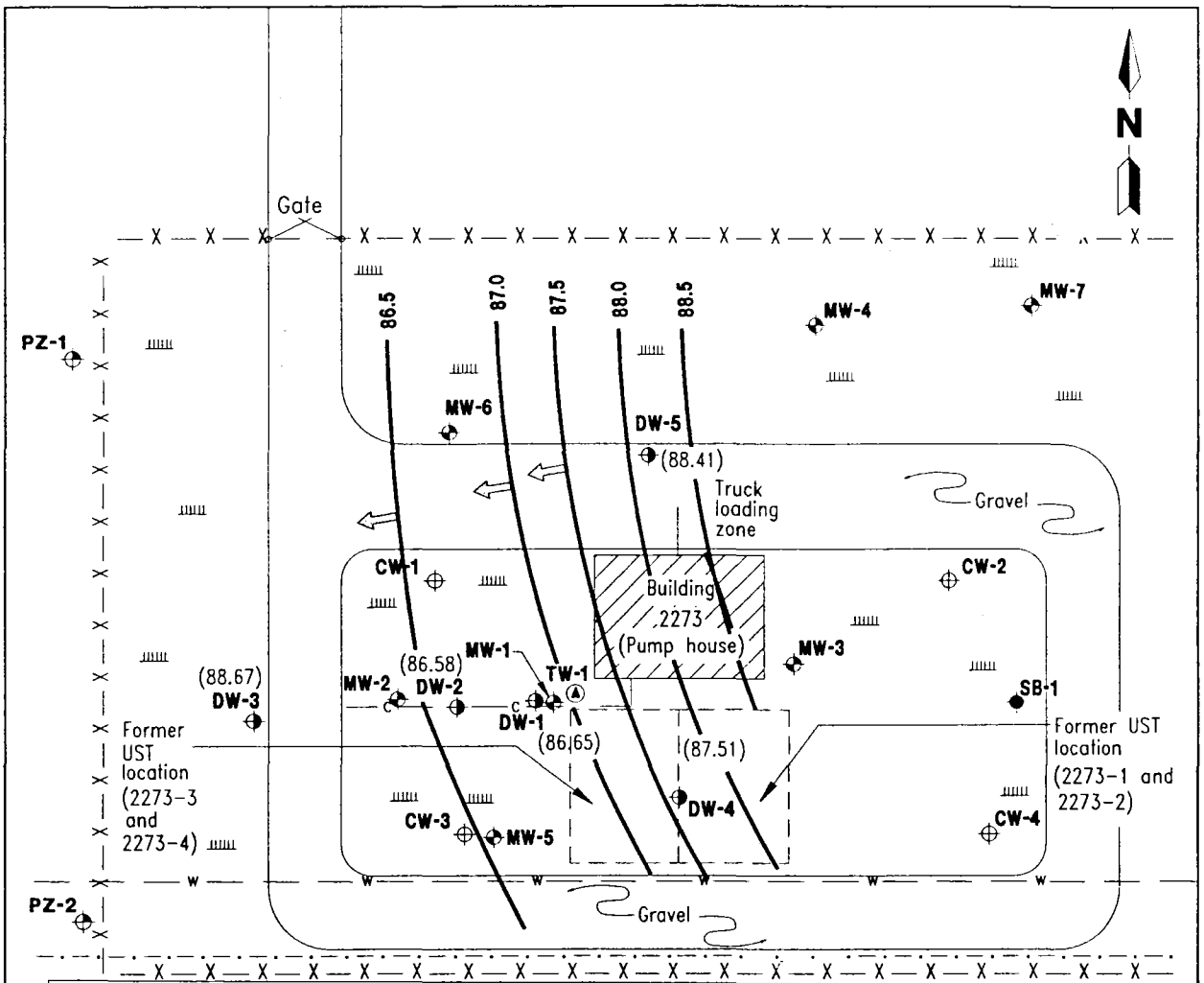
CONTAMINATION ASSESSMENT REPORT ADDENDUM
BUILDING 2273
MAIN BASE

NAVAL TRAINING CENTER
ORLANDO, FLORIDA



LEGEND

DW-1	Deep monitoring well location and designation		Groundwater flow direction
SB-1	Soil boring location and designation	— X —	Chain-link fence
MW-1	Monitoring well location and designation	— w —	Underground water line
CW-1	Compliance well location and designation	TW-1	Temporary well location and designation
(86.65)	Deep water table elevation	PZ-1	Piezometer location and designation
87.0	Water table elevation contour	— • — • —	Underground natural gas line
		—c— c—	Underground cable
			Grass

Note: UST = underground storage tank

0 15 30
SCALE: 1 INCH = 30 FEET

FIGURE 4
DEEP WATER TABLE ELEVATION CONTOUR MAP
JUNE 24, 1997

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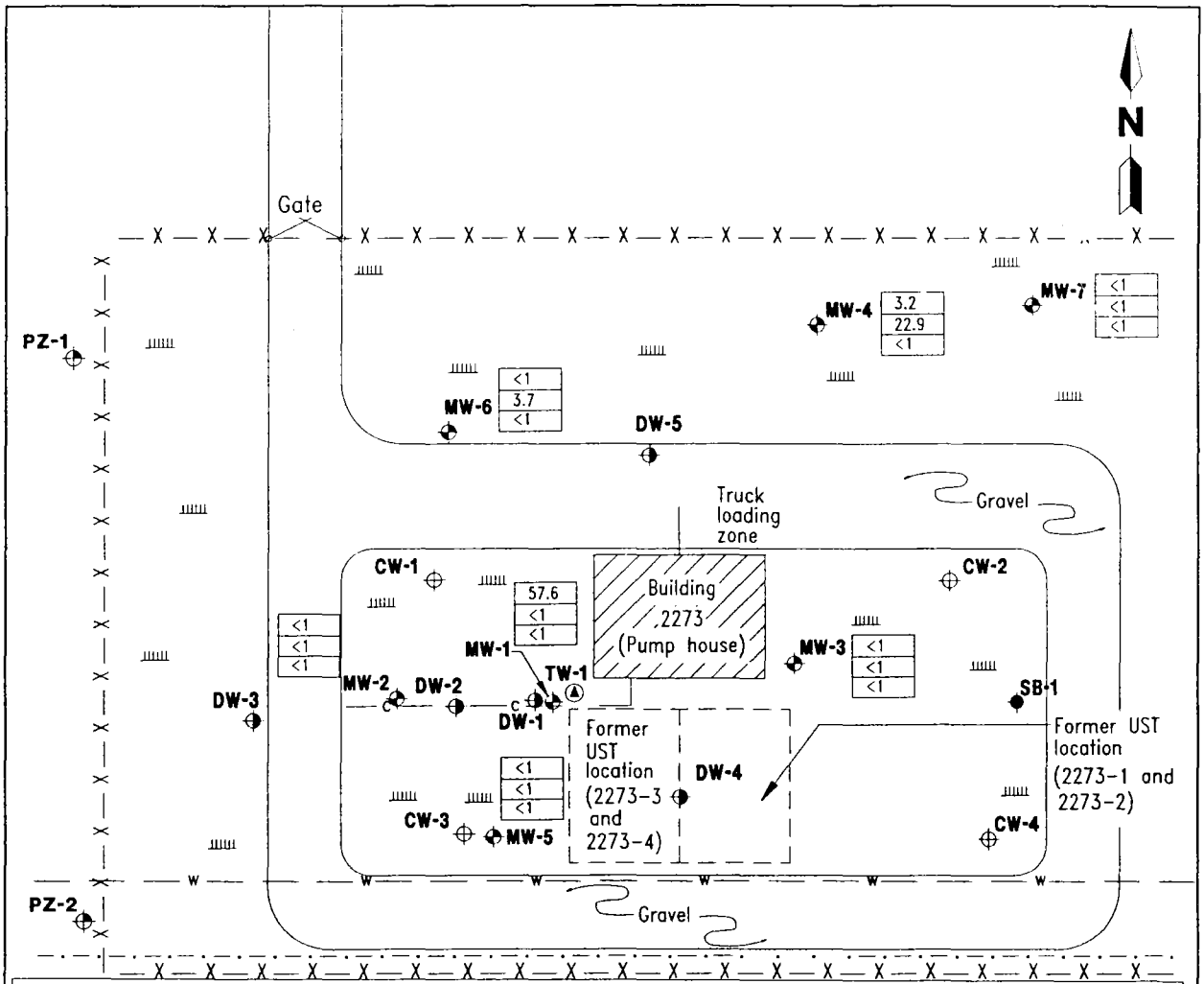
CONTAMINATION ASSESSMENT REPORT ADDENDUM
BUILDING 2273
MAIN BASE

NAVAL TRAINING CENTER
ORLANDO, FLORIDA



LEGEND

DW-1	Deep monitoring well location and designation
SB-1	Soil boring location and designation
MW-1	Monitoring well location and designation
CW-3	Compliance well location and designation
VOA	Volatile organic aromatic
$\mu g/l$	Micrograms per liter

3.2	Benzene in $\mu g/l$
22.9	Chlorobenzene in $\mu g/l$
<1	1,2-dichlorobenzene in $\mu g/l$
— X —	Chain-link fence
— w —	Underground water line
TW-1	Temporary well location and designation
PZ-1	Piezometer location and designation
— • — • —	Underground natural gas line
— c — c —	Underground cable
	Grass

0 15 30
SCALE: 1 INCH = 30 FEET

Note: UST = underground storage tank

FIGURE 5
TOTAL VOAs, CHLOROBENZENE, AND 1,2-DICHLOROBENZENE CONCENTRATION MAP-SHALLOW WELLS

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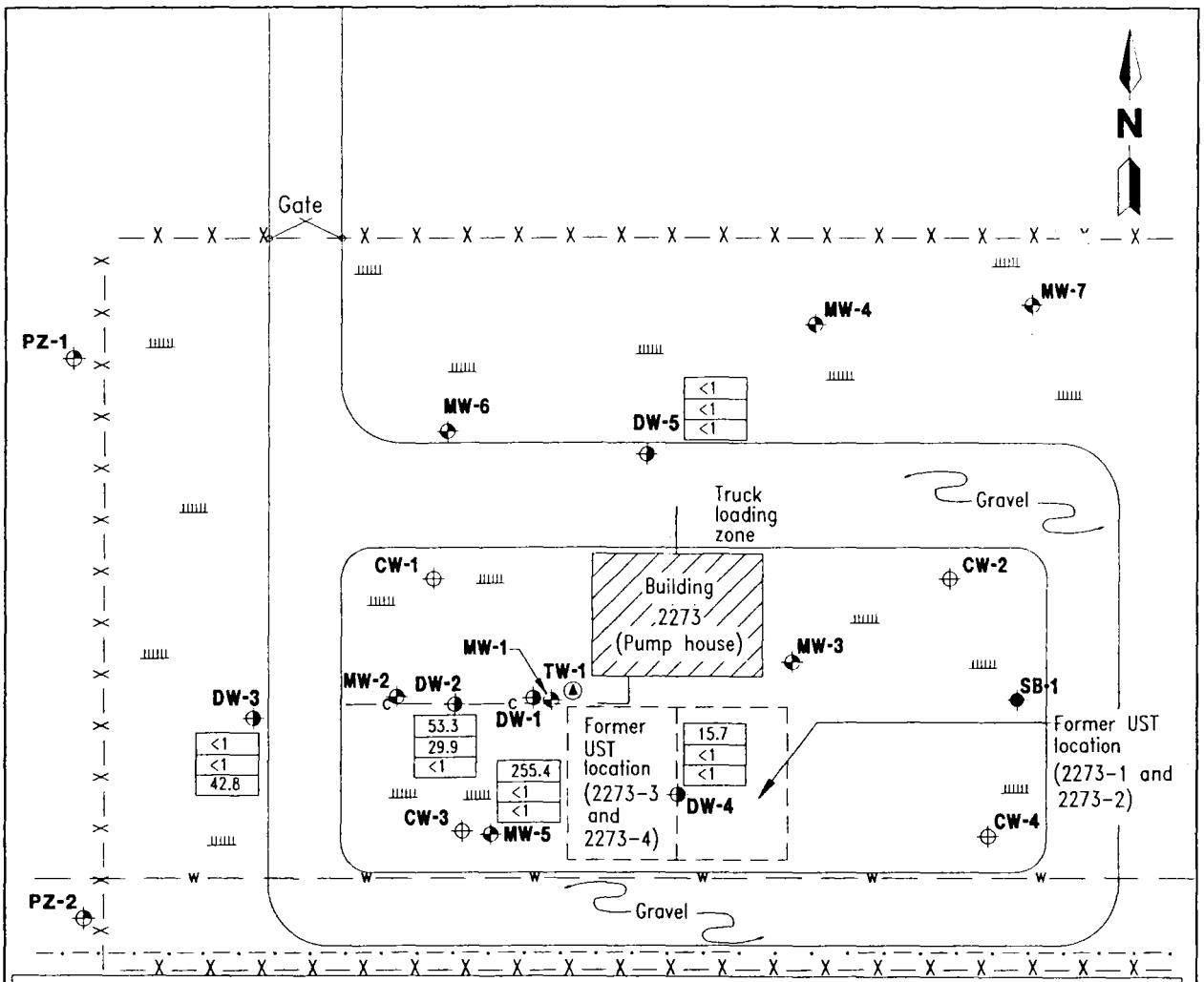
CONTAMINATION ASSESSMENT REPORT ADDENDUM
BUILDING 2273
MAIN BASE

NAVAL TRAINING CENTER
ORLANDO, FLORIDA



LEGEND

DW-1	Deep monitoring well location and designation
SB-1	Soil boring location and designation
MW-1	Monitoring well location and designation
CW-3	Compliance well location and designation
VOA	Volatile organic aromatic
μg/l	Micrograms per liter
53.3 / 29.9 / <1	Benzene in μg/l; Chlorobenzene in μg/l; 1,2-dichlorobenzene in μg/l
— X —	Chain-link fence
— W —	Underground water line
TW-1	Temporary well location and designation
PZ-1	Piezometer location and designation
— · — · —	Underground natural gas line
—C— C—	Underground cable
	Grass

0 15 30
SCALE: 1 INCH = 30 FEET

Note: UST = underground storage tank

FIGURE 6
TOTAL VOAs, CHLOROBENZENE, AND 1,2-DICHLOROBENZENE CONCENTRATION MAP-DEEP WELLS

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CONTAMINATION ASSESSMENT REPORT ADDENDUM
BUILDING 2273
MAIN BASE

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

ATTACHMENT C

TABLES

Table 1
Groundwater Monitoring Well Construction Data Summary

Contamination Assessment Report Addendum
Building 2273, Main Base
Naval Training Center
Orlando, Florida

Well Number	Date Installed	Total Depth (feet bls)	Well Diameter (inches)	Screened Interval (feet bls)	Slot Size (inches)	Comments
MW-1	7/10/96	14	2	4 to 14	0.01	Installed by Groundwater Protection, Inc.
MW-2	7/10/96	14	2	4 to 14	0.01	Installed by Groundwater Protection, Inc.
MW-3	7/10/96	14	2	4 to 14	0.01	Installed by Groundwater Protection, Inc.
MW-4	9/24/96	15	2	5 to 15	0.01	Installed by Groundwater Protection, Inc.
MW-5	9/24/96	15	2	5 to 15	0.01	Installed by Groundwater Protection, Inc.
MW-6	11/22/96	15	2	5 to 15	0.01	Installed by Groundwater Protection, Inc.
MW-7	11/22/96	15	2	5 to 15	0.01	Installed by Groundwater Protection, Inc.
DW-1	9/24/96	32	2	27 to 32	0.01	Installed by Groundwater Protection, Inc.
DW-2	11/27/96	45	2	40 to 45	0.01	Installed by Groundwater Protection, Inc.
DW-3	11/27/96	30	2	25 to 30	0.01	Installed by Groundwater Protection, Inc.
DW-4	6/6/97	32	2	27 to 32	0.01	Installed by Groundwater Protection, Inc.
DW-5	6/6/97	32	2	27 to 32	0.01	Installed by Groundwater Protection, Inc.

Note: bls = below land surface

Table 2
Groundwater Elevation Summary

Contamination Assessment Report Addendum
Building 2273, Main Base
Naval Training Center
Orlando, Florida

Well Number	Date	Depth to Product (ft btoc)	Depth to Water (ft btoc)	Product Thickness (feet)	Top-of-Casing Elevation (feet)	Water-Level Elevation (feet)
MW-1	12/09/96	--	8.45	--	100.00	91.55
	01/21/97	--	9.33	--		90.67
	02/12/97	--	9.65	--		90.35
	06/24/97	--	9.80	--		90.20
MW-2	12/09/96	--	8.30	--	99.82	91.52
	01/21/97	--	9.19	--		90.63
	02/12/97	--	9.51	--		90.31
	06/24/97	--	9.68	--		90.14
MW-3	12/09/96	--	7.77	--	99.90	92.13
	01/21/97	--	8.60	--		91.30
	02/12/97	--	8.90	--		91.00
	06/24/97	--	8.94	--		90.96
MW-4	12/09/96	--	7.33	--	99.44	92.11
	01/21/97	--	8.14	--		91.30
	02/12/97	--	8.41	--		91.03
	06/24/97	--	8.36	--		91.08
MW-5	12/09/96	--	8.51	--	100.11	91.60
	01/21/97	--	9.36	--		90.75
	02/12/97	--	9.61	--		90.50
	06/24/97	--	9.80	--		90.31
MW-6	12/09/96	--	7.91	--	99.62	91.71
	01/21/97	--	8.84	--		90.78
	02/12/97	--	9.17	--		90.45
	06/24/97	--	9.21	--		90.41
MW-7	12/09/96	--	7.03	--	99.25	92.22
	01/21/97	--	7.84	--		91.41
	02/12/97	--	8.13	--		91.12
	06/24/97	--	7.94	--		91.31
DW-1	12/09/96	--	12.15	--	99.99	87.84
	01/21/97	--	12.88	--		87.11
	02/12/97	--	13.15	--		86.84
	06/24/97	--	13.34	--		86.65
DW-2	12/09/96	--	13.13	--	100.08	86.95
	01/21/97	--	13.95	--		86.13
	02/12/97	--	14.19	--		85.89
	06/24/97	--	13.50	--		86.58
DW-3	12/09/96	--	9.75	--	99.98	90.23
	01/21/97	--	10.61	--		89.37
	02/12/97	--	10.93	--		89.05
	06/24/97	--	11.31	--		88.67
DW-4	06/24/97	--	13.04	--	100.55	87.51
DW-5	06/24/97	--	11.84	--	100.25	88.41
CW-1	12/09/96	--	8.46	--	100.01	91.55
	01/21/97	--	9.35	--		90.66
	02/12/97	--	9.71	--		90.30
	06/24/97	--	9.88	--		90.13

See notes at end of table.

Table 2 (Continued)
Groundwater Elevation Summary

Contamination Assessment Report Addendum
Building 2273, Main Base
Naval Training Center
Orlando, Florida

Well Number	Date	Depth to Product (ft btoc)	Depth to Water (ft btoc)	Product Thickness (feet)	Top-of-Casing Elevation (feet)	Water-Level Elevation (feet)
CW-2	12/09/96	--	7.84	--	100.11	92.27
	01/21/97	--	8.63	--		91.48
	02/12/97	--	8.92	--		91.19
	06/24/97	--	8.84	--		91.27
CW-3	12/09/96	--	8.40	--	99.99	91.59
	01/21/97	--	9.26	--		90.73
	02/12/97	--	9.60	--		90.39
	06/24/97	--	9.72	--		90.27
CW-4	12/09/96	--	7.74	--	100.07	92.33
	01/21/97	--	8.41	--		91.66
	02/12/97	--	8.62	--		91.45
	06/24/97	--	8.46	--		91.61

Note: ft btoc = feet below top of casing.

Table 3
Summary of Groundwater Analytical Results

Contamination Assessment Report Addendum
Building 2273, Main Base
Naval Training Center
Orlando, Florida

Parameter	Chapter 62-770, FAC Target Cleanup Levels (ppb)	Monitoring Well/Sample Date								
		TW-1 2/21/96	MW-1 7/25/96	MW-2 7/25/96	MW-3 7/25/96	MW-4 10/1/96	MW-5 10/1/96	MW-6 12/9/96	MW-7 12/9/96	DW-1 10/1/96
Benzene	1	<1	<1	<1	<1	3.2	<1	<1	<1	<5
Toluene	NA	<1	<1	<1	<1	<1	<1	<1	<1	<5
Ethylbenzene	NA	30	27	<1	<1	<1	<1	<1	<1	235
Xylenes	NA	470	30.6	<1	<1	<1	<1	<1	<2	1,150
Total VOAs	50	500	57.6	<1	<1	3.2	<1	<1	<1	1,385
MTBE	50	NA	<1	<1	<1	<1	<1	<5	<5	<25
EDB	0.02	NA	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Total lead	50	NA	4.8	3.5	6.3	<3	<3	8	5	<3
TRPH	5,000	NA	5.05	0.19	0.14	3.7	<1	1.5	3.6	<1
Naphthalenes (total)	100	<45	<38	<2	<2	<5	<5	<5	14	<5
Chlorobenzene	[1]100	<1	<1	<1	<1	22.9	<1	3.7	<1	<5
Chloroform	[1]6	NA	<1	<1	<1	<1	<1	<1	<1	<5
1,2-Dichlorobenzene	[1]600	<1	<1	<1	<1	<1	<1	<1	<1	<5
1,4-Dichlorobenzene	[1]75	<1	<1	<1	<1	<1	<1	<1	<1	<5

See notes at end of table.

Table 3 (Continued)
Summary of Groundwater Analytical Results

Contamination Assessment Report Addendum
Building 2273, Main Base
Naval Training Center
Orlando, Florida

Parameter	Chapter 62-770, FAC Target Cleanup Levels (ppb)	Monitoring Well/Sample Date									
		DW-1		DW-2			DW-3			DW-4	DW-5
		1/2/97	6/24/97	12/9/96	1/2/97	6/24/97	12/9/96	1/2/97	6/24/97	6/24/97	6/24/97
Benzene	1	<1	<1	4.8	<1	3.3	<1	<1	<1	<1	<1
Toluene	NA	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	NA	11.8	5.4	7.0	2.1	4	<1	<1	<1	3.7	<1
Xylenes	NA	110.8	250	24.9	11.5	46	<1	<1	<1	12	<1
Total VOAs	50	122.6	255.4	36.7	13.6	53.3	<1	<1	<1	15.7	<1
MTBE	50	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
EDB	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Total lead	50	<3	<3	11	<3	<3	15	<3	<3	<3	<3
TRPH	5,000	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Naphthalenes (total)	100	<5	<5	<5	<5	<5	<5	<5	<5	<5	46
Chlorobenzene	[1]100	<1	<1	39.0	12.7	29.9	2.0	<1	<1	<1	<1
Chloroform	[1]6	<1	<1	<1	<1	<1	5.4	<1	<1	<1	<1
1,2-Dichlorobenzene	[1]600	<1	<1	<1	<1	<1	110	<1	42.8	<1	<1
1,4-Dichlorobenzene	[1]75	<1	<1	<1	<1	<1	4.9	<1	<1	<1	<1

See notes at end of table.

Table 3 (Continued)
Summary of Groundwater Analytical Results

Contamination Assessment Report Addendum
Building 2273, Main Base
Naval Training Center
Orlando, Florida

Parameter	Chapter 62-770, FAC Target Cleanup Levels (ppb)	Monitoring Well/Sample Date			
		CW-1 8/15/95	CW-2 8/15/95	CW-3 8/15/95	CW-4 8/15/95
Benzene	1	<1	<1	<1	<1
Toluene	40	<1	<1	<1	<1
Ethylbenzene	30	<1	<1	<1	<1
Xylenes	NA	<1	<1	<1	<1
Total VOAs	50	<1	<1	<1	<1
MTBE	50	<1	<1	<1	<1
EDB	0.02	<0.02	<0.02	<0.02	<0.02
Total lead	50	19.5	2.7	<2	4.1
TRPH	5,000	<1	<1	<1	<1
Naphthalenes (total)	100	<2	<2	<2	<2
Chlorobenzene	100	<1	<1	<1	<1
Chloroform	6	<1	<1	<1	<1
1,2-Dichlorobenzene	600	<1	<1	<1	<1
1,4-Dichlorobenzene	75	<1	<1	<1	<1

[1] Florida Department of Environmental Protection Groundwater Guidance Concentration.

Notes: All concentrations in parts per billion (ppb).

FAC = Florida Administrative Code.
ppb = parts per billion.
< = less than.
NA = not available.
Total VOAs = sum of the concentrations of benzene, toluene, ethylbenzene, and xylenes.
VOAs = volatile organic aromatics.
MTBE = methyl tert-butyl ether.
EDB = ethylene dibromide.
TRPH = total recoverable petroleum hydrocarbons.

ATTACHMENT D

WELL COMPLETION LOGS

WELL COMPLETION LOG

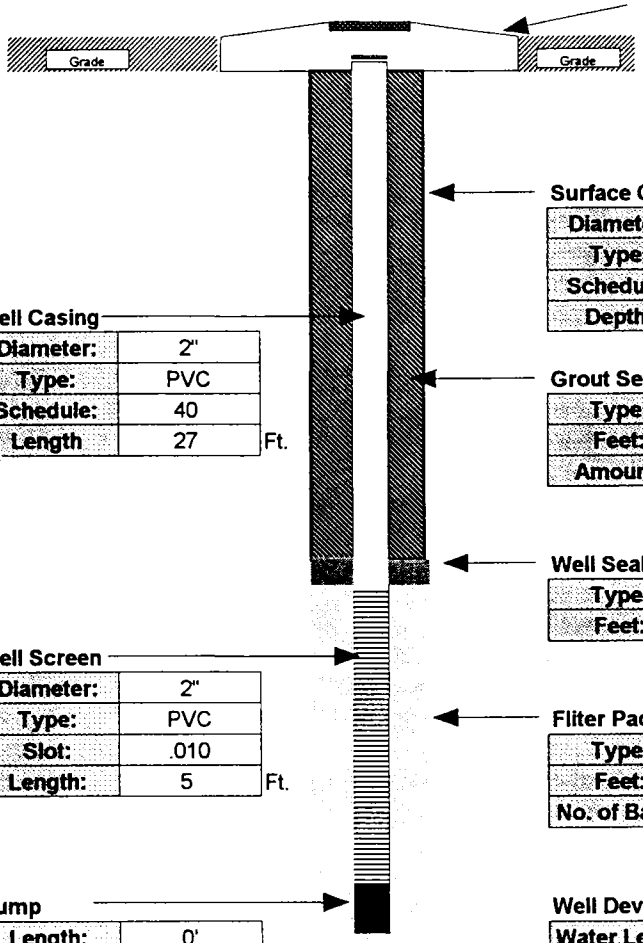
Water Mgmt. Dist.: St. Johns
Permit Number: -

Work Order: 6204
Type of Well: Monitoring
Well Number: 2273 DW4
Method Used: 8.25 HSA
Borehole Dia. 12"

Site Information:
Name: NTC
Address: Main Base
C,S,Z: Orlando, Florida
S/T/R: -

Client / Consultant Information
Consultant: ABB Environmental Services, Inc.
Field Rep: Scott Donelick

Well Diameter	Well Type	Well Depth	Screen Length	Casing Length	Bags Grout	Sand Bags/Weight	Filter Type	Well Seal
2"	PVC	32	5	27	8	6X50lb.	20/30	Fine Sand
40 ←	Schedule	Slot Size: →	.010		23	← Feet →	7	2



Surface Completion
8" Flush

Surface Casing

Diameter:	6"
Type:	PVC
Schedule:	40
Depth:	20

Intermediate Casing

Diameter:	
Type:	
Schedule:	
Depth:	

Well Casing

Diameter:	2"
Type:	PVC
Schedule:	40
Length	27 Ft.

Grout Seal

Type:	II Portland
Feet:	23
Amount:	8 Bags

Well Seal

Type:	Fine Sand
Feet:	2

Well Screen

Diameter:	2"
Type:	PVC
Slot:	.010
Length:	5 Ft.

Filter Pack

Type:	20/30
Feet:	7
No. of Bags:	6X50lb.

Sump

Length:	0'

Well Development

Water Level:	12'		
Method:	Centrifugal		
Start: →	Cloudy	Finish: →	Clear
Time:	1 HOUR		
GPM:	2		

Contractor Information

Contractor #:	2633
Completion:	06/06/97
Driller:	Jim Hinst
Lead Hand:	David Berry
3rd Man:	Ray Honaker
Drill Rig:	Diedrich D-120A

Company:	Groundwater Protection, Inc.
Address:	4315 S.W. 34th Street
C,S,Z:	Orlando, Florida 32811
Phone/FAX:	(407) 426-7885 / (407) 426-7586

WELL COMPLETION LOG

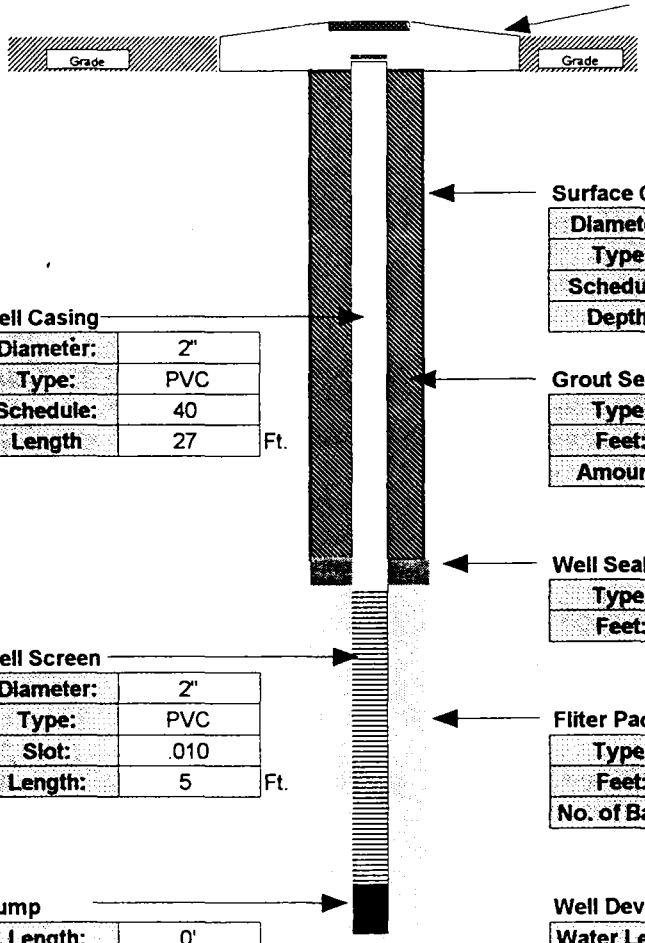
Water Mgmt. Dist.: St. Johns
Permit Number: -

Work Order: 6204
Type of Well: Monitoring
Well Number: 2273 DW5
Method Used: 8.25 HSA
Borehole Dia. 12"

Site Information:
Name: NTC
Address: Main Base
C,S,Z: Orlando, Florida
S/T/R: -

Client / Consultant Information
Consultant: ABB Environmental Services, Inc.
Field Rep: Scott Donelick

Well Diameter	Well Type	Well Depth	Screen Length	Casing Length	Bags Grout	Sand Bags/Weight	Filter Type	Well Seal
2"	PVC	32	5	27	8	6X50lb.	20/30	Fine Sand
40 ←	Schedule	Slot Size: →	.010		23	← Feet →	7	2



Surface Completion
8" Flush

Surface Casing

Diameter:	6"
Type:	PVC
Schedule:	40
Depth:	20

Intermediate Casing

Diameter:	
Type:	
Schedule:	
Depth:	

Well Casing

Diameter:	2"	
Type:	PVC	
Schedule:	40	
Length	27	Ft.

Grout Seal

Type:	II Portland	
Feet:	23	
Amount:	8	Bags

Well Seal

Type:	Fine Sand
Feet:	2

Well Screen

Diameter:	2"	
Type:	PVC	
Slot:	.010	
Length:	5	Ft.

Filter Pack

Type:	20/30
Feet:	7
No. of Bags:	6X50lb.

Sump

Length:	0'

Well Development

Water Level:	12'		
Method:	Centrifugal		
Start: →	Cloudy	Finish: →	Clear
Time:	1 HOUR		
GPM:	2		

Contractor Information

Contractor #:	2633
Completion:	06/06/97
Driller:	Jim Hinst
Lead Hand:	David Berry
3rd Man:	Ray Honaker
Drill Rig:	Diedrich D-120A

Company:	Groundwater Protection, Inc.
Address:	4315 S.W. 34th Street
C,S,Z:	Orlando, Florida 32811
Phone/FAX:	(407) 426-7885 / (407) 426-7586

ATTACHMENT E

GROUNDWATER LABORATORY ANALYTICAL REPORTS AND CHAIN-OF-CUSTODY RECORDS

Lab Sample Number:	96120066-4			G8232001			G8232002			G8232003		
Site	2273			2273			2273			2273		
Locator	006D301/DW3			006GC101			006GC201			006GC301		
Collect Date:	09-DEC-96			15-AUG-95			15-AUG-95			15-AUG-95		
	VALUE	QUAL	UNITS	VALUE	QUAL	UNITS	VALUE	QUAL	UNITS	VALUE	QUAL	UNITS
EDB ug/l												
Ethylene dibromide	.02	U	ug/l	.02	U	ug/l	.02	U	ug/l	.02	U	ug/l
EPA 601/602 ug/l												
Chloromethane	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
Bromomethane	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
Dichlorodifluoromethane	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
Vinyl chloride	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
Chloroethane	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
Methylene chloride	1	U	ug/l	5	U	ug/l	5	U	ug/l	5	U	ug/l
Trichlorofluoromethane	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
1,1-Dichloroethene	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
1,1-Dichloroethane	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
trans-1,2-Dichloroethene	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
Chloroform	5.4		ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
1,2-Dichloroethane	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
1,1,1-Trichloroethane	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
Carbon tetrachloride	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
Bromodichloromethane	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
1,2-Dichloropropane	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
cis-1,3-Dichloropropene	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
Trichloroethene	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
Dibromochloromethane	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
1,1,2-Trichloroethane	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
trans-1,3-Dichloropropene	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
Bromoform	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
1,1,2,2-Tetrachloroethane	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
Tetrachloroethene	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
Chlorobenzene	2		ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
1,3-Dichlorobenzene	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
1,2-Dichlorobenzene	110		ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
1,4-Dichlorobenzene	4.9		ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
Methyl tert-butyl ether	5	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
Benzene	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
Toluene	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
Chlorobenzene	2		ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
Ethylbenzene	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
Xylenes (total)	-		ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
o-Xylene	1	U	ug/l	-		ug/l	-		ug/l	-		ug/l
m,p-Xylene	1	U	ug/l	-		ug/l	-		ug/l	-		ug/l
Bromobenzene	1	U	ug/l	-		ug/l	-		ug/l	-		ug/l
1,1,1,2-Tetrachloroethane	1	U	ug/l	-		ug/l	-		ug/l	-		ug/l
1,2,3-Trichloropropane	1	U	ug/l	-		ug/l	-		ug/l	-		ug/l
LEAD ug/l												
Lead	15		ug/l	19.5		ug/l	2.7		ug/l	2	U	ug/l
PNA COMPDS ug/l												
Naphthalene	5	U	ug/l	2	U	ug/l	2	U	ug/l	2	U	ug/l
2-Methylnaphthalene	5	U	ug/l	2	U	ug/l	2	U	ug/l	2	U	ug/l
1-Methylnaphthalene	5	U	ug/l	2	U	ug/l	2	U	ug/l	2	U	ug/l

Lab Sample Number:	96120066-4			G8232001			G8232002			G8232003		
Site	2273			2273			2273			2273		
Locator	006D301/DW3			006GC101			006GC201			006GC301		
Collect Date:	09-DEC-96			15-AUG-95			15-AUG-95			15-AUG-95		
	VALUE	QUAL	UNITS	VALUE	QUAL	UNITS	VALUE	QUAL	UNITS	VALUE	QUAL	UNITS
Acenaphthylene	5	U	ug/l	2	U	ug/l	2	U	ug/l	2	U	ug/l
Acenaphthene	5	U	ug/l	2	U	ug/l	2	U	ug/l	2	U	ug/l
Fluorene	5	U	ug/l	2	U	ug/l	2	U	ug/l	2	U	ug/l
Phenanthrene	5	U	ug/l	2	U	ug/l	3	U	ug/l	2	U	ug/l
Anthracene	5	U	ug/l	2	U	ug/l	3	U	ug/l	2	U	ug/l
Fluoranthene	5	U	ug/l	2	U	ug/l	2	U	ug/l	2	U	ug/l
Pyrene	5	U	ug/l	2	U	ug/l	2	U	ug/l	2	U	ug/l
Benzo (a) anthracene	5	U	ug/l	2	U	ug/l	2	U	ug/l	2	U	ug/l
Chrysene	5	U	ug/l	2	U	ug/l	2	U	ug/l	2	U	ug/l
Benzo (b) fluoranthene	5	U	ug/l	2	U	ug/l	2	U	ug/l	2	U	ug/l
Benzo (k) fluoranthene	5	U	ug/l	2	U	ug/l	2	U	ug/l	2	U	ug/l
Benzo (a) pyrene	5	U	ug/l	2	U	ug/l	2	U	ug/l	2	U	ug/l
Indeno (1,2,3-cd) pyrene	5	U	ug/l	2	U	ug/l	2	U	ug/l	2	U	ug/l
Dibenzo (a,h) anthracene	5	U	ug/l	2	U	ug/l	2	U	ug/l	2	U	ug/l
Benzo (g,h,i) perylene	5	U	ug/l	2	U	ug/l	2	U	ug/l	2	U	ug/l
TOTAL PETROLEUM HYDROCARBON mg/l												
Total petroleum hydrocarbon	1	U	mg/l	1	U	mg/l	1	U	mg/l	1	U	mg/l

Lab Sample Number:		G8232004			G8232004RE			96100017-4			97010005-1		
Site		2273			2273			2273			2273		
Locator		006GC401			006GC401RE			006GD101/2273DW1			006GD102/DW-1		
Collect Date:		15-AUG-95			15-AUG-95			01-OCT-96			02-JAN-97		
		VALUE	QUAL	UNITS	VALUE	QUAL	UNITS	VALUE	QUAL	UNITS	VALUE	QUAL	UNITS
EDB	ug/l												
Ethylene dibromide		.02	U	ug/l	-		ug/l	.02	U	ug/l	-		ug/l
EPA 601/602	ug/l												
Chloromethane		1	U	ug/l	-		ug/l	5	U	ug/l	1	U	ug/l
Bromomethane		1	U	ug/l	-		ug/l	5	U	ug/l	1	U	ug/l
Dichlorodifluoromethane		1	U	ug/l	-		ug/l	5	U	ug/l	1	U	ug/l
Vinyl chloride		1	U	ug/l	-		ug/l	5	U	ug/l	1	U	ug/l
Chloroethane		1	U	ug/l	-		ug/l	5	U	ug/l	1	U	ug/l
Methylene chloride		5	U	ug/l	-		ug/l	5	U	ug/l	1	U	ug/l
Trichlorofluoromethane		1	U	ug/l	-		ug/l	5	U	ug/l	1	U	ug/l
1,1-Dichloroethene		1	U	ug/l	-		ug/l	5	U	ug/l	1	U	ug/l
1,1-Dichloroethane		1	U	ug/l	-		ug/l	5	U	ug/l	1	U	ug/l
trans-1,2-Dichloroethene		1	U	ug/l	-		ug/l	5	U	ug/l	1	U	ug/l
Chloroform		1	U	ug/l	-		ug/l	5	U	ug/l	1	U	ug/l
1,2-Dichloroethane		1	U	ug/l	-		ug/l	5	U	ug/l	1	U	ug/l
1,1,1-Trichloroethane		1	U	ug/l	-		ug/l	5	U	ug/l	1	U	ug/l
Carbon tetrachloride		1	U	ug/l	-		ug/l	5	U	ug/l	1	U	ug/l
Bromodichloromethane		1	U	ug/l	-		ug/l	5	U	ug/l	1	U	ug/l
1,2-Dichloropropane		1	U	ug/l	-		ug/l	5	U	ug/l	1	U	ug/l
cis-1,3-Dichloropropene		1	U	ug/l	-		ug/l	5	U	ug/l	1	U	ug/l
Trichloroethene		1	U	ug/l	-		ug/l	5	U	ug/l	1	U	ug/l
Dibromochloromethane		1	U	ug/l	-		ug/l	5	U	ug/l	1	U	ug/l
1,1,2-Trichloroethane		1	U	ug/l	-		ug/l	5	U	ug/l	1	U	ug/l
trans-1,3-Dichloropropene		1	U	ug/l	-		ug/l	5	U	ug/l	1	U	ug/l
Bromoform		1	U	ug/l	-		ug/l	5	U	ug/l	1	U	ug/l
1,1,2,2-Tetrachloroethane		1	U	ug/l	-		ug/l	5	U	ug/l	1	U	ug/l
Tetrachloroethene		1	U	ug/l	-		ug/l	5	U	ug/l	1	U	ug/l
Chlorobenzene		1	U	ug/l	-		ug/l	5	U	ug/l	1	U	ug/l
1,3-Dichlorobenzene		1	U	ug/l	-		ug/l	5	U	ug/l	1	U	ug/l
1,2-Dichlorobenzene		1	U	ug/l	-		ug/l	5	U	ug/l	1	U	ug/l
1,4-Dichlorobenzene		1	U	ug/l	-		ug/l	5	U	ug/l	1	U	ug/l
Methyl tert-butyl ether		1	U	ug/l	-		ug/l	25	U	ug/l	5	U	ug/l
Benzene		1	U	ug/l	-		ug/l	5	U	ug/l	1	U	ug/l
Toluene		1	U	ug/l	-		ug/l	5	U	ug/l	1	U	ug/l
Chlorobenzene		1	U	ug/l	-		ug/l	5	U	ug/l	1	U	ug/l
Ethylbenzene		1	U	ug/l	-		ug/l	236.5		ug/l	11.8		ug/l
Xylenes (total)		1	U	ug/l	-		ug/l	-		ug/l	-		ug/l
o-Xylene		-		ug/l	-		ug/l	314.5		ug/l	36.1		ug/l
m,p-Xylene		-		ug/l	-		ug/l	835		ug/l	74.7		ug/l
Bromobenzene		-		ug/l	-		ug/l	5	U	ug/l	1	U	ug/l

Lab Sample Number:		G8232004			G8232004RE			96100017-4			97010005-1		
Site		2273			2273			2273			2273		
Locator		006GC401			006GC401RE			006GD101/2273DW1			006GD102/DW-1		
Collect Date:		15-AUG-95			15-AUG-95			01-OCT-96			02-JAN-97		
		VALUE	QUAL	UNITS	VALUE	QUAL	UNITS	VALUE	QUAL	UNITS	VALUE	QUAL	UNITS
1,1,1,2-Tetrachloroethane		-		ug/l	-		ug/l	5	U	ug/l	1	U	ug/l
1,2,3-Trichloropropane		-		ug/l	-		ug/l	5	U	ug/l	1	U	ug/l
LEAD	ug/l												
Lead		4.1		ug/l	-		ug/l	3	U	ug/l	-		ug/l
PNA COMPDS	ug/l												
Naphthalene		2	U	ug/l	2	U	ug/l	5	U	ug/l	-		ug/l
2-Methylnaphthalene		2	U	ug/l	2	U	ug/l	5	U	ug/l	-		ug/l
1-Methylnaphthalene		2	U	ug/l	2	U	ug/l	5	U	ug/l	-		ug/l
Acenaphthylene		2	U	ug/l	2	U	ug/l	5	U	ug/l	-		ug/l
Acenaphthene		2	U	ug/l	2	U	ug/l	5	U	ug/l	-		ug/l
Fluorene		2	U	ug/l	2	U	ug/l	5	U	ug/l	-		ug/l
Phenanthrene		2	U	ug/l	2	U	ug/l	5	U	ug/l	-		ug/l
Anthracene		2	U	ug/l	2	U	ug/l	5	U	ug/l	-		ug/l
Fluoranthene		2	U	ug/l	2	U	ug/l	5	U	ug/l	-		ug/l
Pyrene		2	U	ug/l	2	U	ug/l	5	U	ug/l	-		ug/l
Benzo (a) anthracene		2	U	ug/l	2	U	ug/l	5	U	ug/l	-		ug/l
Chrysene		2	U	ug/l	2	U	ug/l	5	U	ug/l	-		ug/l
Benzo (b) fluoranthene		2	U	ug/l	2	U	ug/l	5	U	ug/l	-		ug/l
Benzo (k) fluoranthene		2	U	ug/l	2	U	ug/l	5	U	ug/l	-		ug/l
Benzo (a) pyrene		2	U	ug/l	2	U	ug/l	5	U	ug/l	-		ug/l
Indeno (1,2,3-cd) pyrene		2	U	ug/l	2	U	ug/l	5	U	ug/l	-		ug/l
Dibenzo (a,h) anthracene		2	U	ug/l	2	U	ug/l	5	U	ug/l	-		ug/l
Benzo (g,h,i) perylene		2	U	ug/l	2	U	ug/l	5	U	ug/l	-		ug/l
TOTAL PETROLEUM HYDROCARBON	mg/l												
Total petroleum hydrocarbon		1	U	mg/l	-		mg/l	1	U	mg/l	-		mg/l

Lab Sample Number:	97060163-2			96120066-3			97010005-2			97060163-3		
Site	2273			2273			2273			2273		
Locator	006GD103/2273 DW-1			006GD201/DW2			006GD202/DM-2			006GD203/2273 DW-2		
Collect Date:	24-JUN-97			09-DEC-96			02-JAN-97			24-JUN-97		
	VALUE	QUAL	UNITS	VALUE	QUAL	UNITS	VALUE	QUAL	UNITS	VALUE	QUAL	UNITS
EDB ug/l												
Ethylene dibromide	.02	U	ug/l	.02	U	ug/l	-		ug/l	.02	U	ug/l
EPA 601/602 ug/l												
Chloromethane	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
Bromomethane	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
Dichlorodifluoromethane	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
Vinyl chloride	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
Chloroethane	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
Methylene chloride	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
Trichlorofluoromethane	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
1,1-Dichloroethene	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
1,1-Dichloroethane	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
trans-1,2-Dichloroethene	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
Chloroform	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
1,2-Dichloroethane	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
1,1,1-Trichloroethane	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
Carbon tetrachloride	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
Bromodichloromethane	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
1,2-Dichloropropane	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
cis-1,3-Dichloropropene	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
Trichloroethene	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
Dibromochloromethane	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
1,1,2-Trichloroethane	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
trans-1,3-Dichloropropene	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
Bromoform	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
1,1,2,2-Tetrachloroethane	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
Tetrachloroethene	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
Chlorobenzene	1	U	ug/l	39		ug/l	12.7		ug/l	29.9		ug/l
1,3-Dichlorobenzene	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
1,2-Dichlorobenzene	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
1,4-Dichlorobenzene	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
Methyl tert-butyl ether	5	U	ug/l	5	U	ug/l	5	U	ug/l	5	U	ug/l
Benzene	1	U	ug/l	4.8		ug/l	1	U	ug/l	3.3		ug/l
Toluene	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
Chlorobenzene	1	U	ug/l	39		ug/l	12.7		ug/l	29.9		ug/l
Ethylbenzene	5.4		ug/l	7		ug/l	2.1		ug/l	4		ug/l
Xylenes (total)	-		ug/l	-		ug/l	-		ug/l	-		ug/l
o-Xylene	130		ug/l	8.6		ug/l	3.5		ug/l	17.2		ug/l
m,p-Xylene	120		ug/l	16.3		ug/l	8		ug/l	28.8		ug/l
Bromobenzene	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l

Lab Sample Number:		97060163-2			96120066-3			97010005-2			97060163-3		
Site		2273			2273			2273			2273		
Locator		006GD103/2273 DW-1			006GD201/DW2			006GD202/DM-2			006GD203/2273 DW-2		
Collect Date:		24-JUN-97			09-DEC-96			02-JAN-97			24-JUN-97		
		VALUE	QUAL	UNITS	VALUE	QUAL	UNITS	VALUE	QUAL	UNITS	VALUE	QUAL	UNITS
1,1,1,2-Tetrachloroethane		1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
1,2,3-Trichloropropane		1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
LEAD	ug/l												
Lead		3	U	ug/l	11		ug/l	-		ug/l	3	U	ug/l
PNA COMPDS	ug/l												
Naphthalene		5	U	ug/l	5	U	ug/l	-		ug/l	5	U	ug/l
2-Methylnaphthalene		5	U	ug/l	5	U	ug/l	-		ug/l	5	U	ug/l
1-Methylnaphthalene		5	U	ug/l	5	U	ug/l	-		ug/l	5	U	ug/l
Acenaphthylene		5	U	ug/l	5	U	ug/l	-		ug/l	5	U	ug/l
Acenaphthene		5	U	ug/l	5	U	ug/l	-		ug/l	5	U	ug/l
Fluorene		5	U	ug/l	5	U	ug/l	-		ug/l	5	U	ug/l
Phenanthrene		5	U	ug/l	5	U	ug/l	-		ug/l	5	U	ug/l
Anthracene		5	U	ug/l	5	U	ug/l	-		ug/l	5	U	ug/l
Fluoranthene		5	U	ug/l	5	U	ug/l	-		ug/l	5	U	ug/l
Pyrene		5	U	ug/l	5	U	ug/l	-		ug/l	5	U	ug/l
Benzo (a) anthracene		5	U	ug/l	5	U	ug/l	-		ug/l	5	U	ug/l
Chrysene		5	U	ug/l	5	U	ug/l	-		ug/l	5	U	ug/l
Benzo (b) fluoranthene		5	U	ug/l	5	U	ug/l	-		ug/l	5	U	ug/l
Benzo (k) fluoranthene		5	U	ug/l	5	U	ug/l	-		ug/l	5	U	ug/l
Benzo (a) pyrene		5	U	ug/l	5	U	ug/l	-		ug/l	5	U	ug/l
Indeno (1,2,3-cd) pyrene		5	U	ug/l	5	U	ug/l	-		ug/l	5	U	ug/l
Dibenzo (a,h) anthracene		5	U	ug/l	5	U	ug/l	-		ug/l	5	U	ug/l
Benzo (g,h,i) perylene		5	U	ug/l	5	U	ug/l	-		ug/l	5	U	ug/l
TOTAL PETROLEUM HYDROCARBON	mg/l												
Total petroleum hydrocarbon		1	U	mg/l	1	U	mg/l	-		mg/l	1	U	mg/l

Lab Sample Number:		97010005-3			97060163-4			97060163-5			97060163-6		
Site		2273			2273			2273			2273		
Locator		006GD302/DW-3			006GD303/2273 DW-3			006GD401/2273 DW-4			006GD501/2273 DW-5		
Collect Date:		02-JAN-97			24-JUN-97			24-JUN-97			24-JUN-97		
		VALUE	QUAL	UNITS	VALUE	QUAL	UNITS	VALUE	QUAL	UNITS	VALUE	QUAL	UNITS
EDB	ug/l												
Ethylene dibromide		-		ug/l	.02	U	ug/l	.02	U	ug/l	.02	U	ug/l
EPA 601/602	ug/l												
Chloromethane		1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
Bromomethane		1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
Dichlorodifluoromethane		1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
Vinyl chloride		1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
Chloroethane		1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
Methylene chloride		1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
Trichlorofluoromethane		1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
1,1-Dichloroethene		1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
1,1-Dichloroethane		1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
trans-1,2-Dichloroethene		1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
Chloroform		1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
1,2-Dichloroethane		1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
1,1,1-Trichloroethane		1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
Carbon tetrachloride		1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
Bromodichloromethane		1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
1,2-Dichloropropane		1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
cis-1,3-Dichloropropene		1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
Trichloroethene		1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
Dibromochloromethane		1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
1,1,2-Trichloroethane		1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
trans-1,3-Dichloropropene		1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
Bromoform		1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
1,1,2,2-Tetrachloroethane		1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
Tetrachloroethene		1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
Chlorobenzene		1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
1,3-Dichlorobenzene		1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
1,2-Dichlorobenzene		1	U	ug/l	42.8		ug/l	1	U	ug/l	1	U	ug/l
1,4-Dichlorobenzene		1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
Methyl tert-butyl ether		5	U	ug/l	5	U	ug/l	5	U	ug/l	5	U	ug/l
Benzene		1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
Toluene		1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
Chlorobenzene		1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
Ethylbenzene		1	U	ug/l	1	U	ug/l	3.7		ug/l	1	U	ug/l
Xylenes (total)		-		ug/l	-		ug/l	-		ug/l	-		ug/l
o-Xylene		1	U	ug/l	1	U	ug/l	3.9		ug/l	1	U	ug/l
m,p-Xylene		1	U	ug/l	1	U	ug/l	8.1		ug/l	1	U	ug/l
Bromobenzene		1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l

Lab Sample Number:		97010005-3			97060163-4			97060163-5			97060163-6		
Site		2273			2273			2273			2273		
Locator		006GD302/DW-3			006GD303/2273 DW-3			006GD401/2273 DW-4			006GD501/2273 DW-5		
Collect Date:		02-JAN-97			24-JUN-97			24-JUN-97			24-JUN-97		
		VALUE	QUAL	UNITS	VALUE	QUAL	UNITS	VALUE	QUAL	UNITS	VALUE	QUAL	UNITS
1,1,1,2-Tetrachloroethane		1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
1,2,3-Trichloropropane		1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
LEAD	ug/l												
Lead		-		ug/l	3	U	ug/l	3	U	ug/l	3	U	ug/l
PNA COMPDS	ug/l												
Naphthalene		-		ug/l	5	U	ug/l	5	U	ug/l	8		ug/l
2-Methylnaphthalene		-		ug/l	5	U	ug/l	5	U	ug/l	22		ug/l
1-Methylnaphthalene		-		ug/l	5	U	ug/l	5	U	ug/l	16		ug/l
Acenaphthylene		-		ug/l	5	U	ug/l	5	U	ug/l	5	U	ug/l
Acenaphthene		-		ug/l	5	U	ug/l	5	U	ug/l	5	U	ug/l
Fluorene		-		ug/l	5	U	ug/l	5	U	ug/l	5	U	ug/l
Phenanthrene		-		ug/l	5	U	ug/l	5	U	ug/l	5	U	ug/l
Anthracene		-		ug/l	5	U	ug/l	5	U	ug/l	5	U	ug/l
Fluoranthene		-		ug/l	5	U	ug/l	5	U	ug/l	5	U	ug/l
Pyrene		-		ug/l	5	U	ug/l	5	U	ug/l	5	U	ug/l
Benzo (a) anthracene		-		ug/l	5	U	ug/l	5	U	ug/l	5	U	ug/l
Chrysene		-		ug/l	5	U	ug/l	5	U	ug/l	5	U	ug/l
Benzo (b) fluoranthene		-		ug/l	5	U	ug/l	5	U	ug/l	5	U	ug/l
Benzo (k) fluoranthene		-		ug/l	5	U	ug/l	5	U	ug/l	5	U	ug/l
Benzo (a) pyrene		-		ug/l	5	U	ug/l	5	U	ug/l	5	U	ug/l
Indeno (1,2,3-cd) pyrene		-		ug/l	5	U	ug/l	5	U	ug/l	5	U	ug/l
Dibenzo (a,h) anthracene		-		ug/l	5	U	ug/l	5	U	ug/l	5	U	ug/l
Benzo (g,h,i) perylene		-		ug/l	5	U	ug/l	5	U	ug/l	5	U	ug/l
TOTAL PETROLEUM HYDROCARBON	mg/l												
Total petroleum hydrocarbon		-		mg/l	1	U	mg/l	1	U	mg/l	1	U	mg/l

Lab Sample Number:		MB473001			MB473002			MB473003			96100017-2		
Site		2273			2273			2273			2273		
Locator		006GM101			006GM201			006GM301			006GM401/2273MW4		
Collect Date:		25-JUL-96			25-JUL-96			25-JUL-96			01-OCT-96		
		VALUE	QUAL	UNITS	VALUE	QUAL	UNITS	VALUE	QUAL	UNITS	VALUE	QUAL	UNITS
EDB	ug/l												
Ethylene dibromide		.02	U	ug/l	.02	U	ug/l	.02	U	ug/l	.02	U	ug/l
EPA 601/602	ug/l												
Chloromethane		1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
Bromomethane		1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
Dichlorodifluoromethane		1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
Vinyl chloride		1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
Chloroethane		1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
Methylene chloride		5	U	ug/l	5	U	ug/l	5	U	ug/l	1	U	ug/l
Trichlorofluoromethane		1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
1,1-Dichloroethene		1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
1,1-Dichloroethane		1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
trans-1,2-Dichloroethene		1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
Chloroform		1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
1,2-Dichloroethane		1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
1,1,1-Trichloroethane		1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
Carbon tetrachloride		1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
Bromodichloromethane		1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
1,2-Dichloropropane		1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
cis-1,3-Dichloropropene		1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
Trichloroethene		1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
Dibromochloromethane		1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
1,1,2-Trichloroethane		1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
trans-1,3-Dichloropropene		1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
Bromoform		1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
1,1,2,2-Tetrachloroethane		1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
Tetrachloroethene		1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
Chlorobenzene		1	U	ug/l	1	U	ug/l	1	U	ug/l	22.9		ug/l
1,3-Dichlorobenzene		1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
1,2-Dichlorobenzene		1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
1,4-Dichlorobenzene		1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
Methyl tert-butyl ether		1	U	ug/l	1	U	ug/l	1	U	ug/l	5	U	ug/l
Benzene		1	U	ug/l	1	U	ug/l	1	U	ug/l	3.2		ug/l
Toluene		1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
Chlorobenzene		1	U	ug/l	1	U	ug/l	1	U	ug/l	22 9		ug/l
Ethylbenzene		27		ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
Xylenes (total)		-		ug/l	-		ug/l	-		ug/l	-		ug/l
o-Xylene		4.6		ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
m,p-Xylene		26		ug/l	2	U	ug/l	2	U	ug/l	1	U	ug/l
Bromobenzene		-		ug/l	-		ug/l	-		ug/l	1	U	ug/l

Lab Sample Number:		MB473001			MB473002			MB473003			96100017-2		
Site		2273			2273			2273			2273		
Locator		006GM101			006GM201			006GM301			006GM401/2273MW4		
Collect Date:		25-JUL-96			25-JUL-96			25-JUL-96			01-OCT-96		
		VALUE	QUAL	UNITS	VALUE	QUAL	UNITS	VALUE	QUAL	UNITS	VALUE	QUAL	UNITS
1,1,1,2-Tetrachloroethane		-		ug/l	-		ug/l	-		ug/l	1	U	ug/l
1,2,3-Trichloropropane		-		ug/l	-		ug/l	-		ug/l	1	U	ug/l
LEAD	ug/l												
Lead		4.8		ug/l	3.5		ug/l	6.3		ug/l	3	U	ug/l
PNA COMPDS	ug/l												
Naphthalene		38	U	ug/l	2	U	ug/l	2	U	ug/l	5	U	ug/l
2-Methylnaphthalene		38	U	ug/l	2	U	ug/l	2	U	ug/l	5	U	ug/l
1-Methylnaphthalene		38	U	ug/l	2	U	ug/l	2	U	ug/l	5	U	ug/l
Acenaphthylene		38	U	ug/l	2	U	ug/l	2	U	ug/l	5	U	ug/l
Acenaphthene		38	U	ug/l	2	U	ug/l	2	U	ug/l	5	U	ug/l
Fluorene		38	U	ug/l	2	U	ug/l	2	U	ug/l	5	U	ug/l
Phenanthrene		38	U	ug/l	2	U	ug/l	2	U	ug/l	5	U	ug/l
Anthracene		38	U	ug/l	2	U	ug/l	2	U	ug/l	5	U	ug/l
Fluoranthene		38	U	ug/l	2	U	ug/l	2	U	ug/l	5	U	ug/l
Pyrene		38	U	ug/l	2	U	ug/l	2	U	ug/l	5	U	ug/l
Benzo (a) anthracene		38	U	ug/l	2	U	ug/l	2	U	ug/l	5	U	ug/l
Chrysene		38	U	ug/l	2	U	ug/l	2	U	ug/l	5	U	ug/l
Benzo (b) fluoranthene		38	U	ug/l	2	U	ug/l	2	U	ug/l	5	U	ug/l
Benzo (k) fluoranthene		38	U	ug/l	2	U	ug/l	2	U	ug/l	5	U	ug/l
Benzo (a) pyrene		38	U	ug/l	2	U	ug/l	2	U	ug/l	5	U	ug/l
Indeno (1,2,3-cd) pyrene		38	U	ug/l	2	U	ug/l	2	U	ug/l	5	U	ug/l
Dibenzo (a,h) anthracene		38	U	ug/l	2	U	ug/l	2	U	ug/l	5	U	ug/l
Benzo (g,h,i) perylene		38	U	ug/l	2	U	ug/l	2	U	ug/l	5	U	ug/l
TOTAL PETROLEUM HYDROCARBON	mg/l												
Total petroleum hydrocarbon		5.05		mg/l	.19		mg/l	.14		mg/l	3.7		mg/l

Lab Sample Number:		96100017-3			96120066-1			96120066-2			MA311004		
Site		2273			2273			2273			2273		
Locator		006GM501/ 2273MW5			006GM601/MW6			006GM701/MW7			006GT101/2273 TW-1		
Collect Date:		01-OCT-96			09-DEC-96			09-DEC-96			21-FEB-96		
		VALUE	QUAL	UNITS	VALUE	QUAL	UNITS	VALUE	QUAL	UNITS	VALUE	QUAL	UNITS
EDB	ug/l												
Ethylene dibromide		.02	U	ug/l	.02	U	ug/l	.02	U	ug/l	-		ug/l
EPA 601/602	ug/l												
Chloromethane		1	U	ug/l	1	U	ug/l	1	U	ug/l	-		ug/l
Bromomethane		1	U	ug/l	1	U	ug/l	1	U	ug/l	-		ug/l
Dichlorodifluoromethane		1	U	ug/l	1	U	ug/l	1	U	ug/l	-		ug/l
Vinyl chloride		1	U	ug/l	1	U	ug/l	1	U	ug/l	-		ug/l
Chloroethane		1	U	ug/l	1	U	ug/l	1	U	ug/l	-		ug/l
Methylene chloride		1	U	ug/l	1	U	ug/l	1	U	ug/l	-		ug/l
Trichlorofluoromethane		1	U	ug/l	1	U	ug/l	1	U	ug/l	-		ug/l
1,1-Dichloroethene		1	U	ug/l	1	U	ug/l	1	U	ug/l	-		ug/l
1,1-Dichloroethane		1	U	ug/l	1	U	ug/l	1	U	ug/l	-		ug/l
trans-1,2-Dichloroethene		1	U	ug/l	1	U	ug/l	1	U	ug/l	-		ug/l
Chloroform		1	U	ug/l	1	U	ug/l	1	U	ug/l	-		ug/l
1,2-Dichloroethane		1	U	ug/l	1	U	ug/l	1	U	ug/l	-		ug/l
1,1,1-Trichloroethane		1	U	ug/l	1	U	ug/l	1	U	ug/l	-		ug/l
Carbon tetrachloride		1	U	ug/l	1	U	ug/l	1	U	ug/l	-		ug/l
Bromodichloromethane		1	U	ug/l	1	U	ug/l	1	U	ug/l	-		ug/l
1,2-Dichloropropane		1	U	ug/l	1	U	ug/l	1	U	ug/l	-		ug/l
cis-1,3-Dichloropropene		1	U	ug/l	1	U	ug/l	1	U	ug/l	-		ug/l
Trichloroethene		1	U	ug/l	1	U	ug/l	1	U	ug/l	-		ug/l
Dibromochloromethane		1	U	ug/l	1	U	ug/l	1	U	ug/l	-		ug/l
1,1,2-Trichloroethane		1	U	ug/l	1	U	ug/l	1	U	ug/l	-		ug/l
trans-1,3-Dichloropropene		1	U	ug/l	1	U	ug/l	1	U	ug/l	-		ug/l
Bromoform		1	U	ug/l	1	U	ug/l	1	U	ug/l	-		ug/l
1,1,2,2-Tetrachloroethane		1	U	ug/l	1	U	ug/l	1	U	ug/l	-		ug/l
Tetrachloroethene		1	U	ug/l	1	U	ug/l	1	U	ug/l	-		ug/l
Chlorobenzene		1	U	ug/l	3.7		ug/l	1	U	ug/l	1	U	ug/l
1,3-Dichlorobenzene		1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
1,2-Dichlorobenzene		1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
1,4-Dichlorobenzene		1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
Methyl tert-butyl ether		5	U	ug/l	5	U	ug/l	5	U	ug/l	1	U	ug/l
Benzene		1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
Toluene		1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
Chlorobenzene		1	U	ug/l	3.7		ug/l	1	U	ug/l	1	U	ug/l
Ethylbenzene		1	U	ug/l	1	U	ug/l	1	U	ug/l	30		ug/l
Xylenes (total)		-		ug/l	-		ug/l	-		ug/l	470	E	ug/l
o-Xylene		1	U	ug/l	1	U	ug/l	1	U	ug/l	-		ug/l
m,p-Xylene		1	U	ug/l	1	U	ug/l	1	U	ug/l	-		ug/l
Bromobenzene		1	U	ug/l	1	U	ug/l	1	U	ug/l	-		ug/l

Lab Sample Number:		96100017-3			96120066-1			96120066-2			MA311004		
Site		2273			2273			2273			2273		
Locator		006GM501/ 2273MW5			006GM601/MW6			006GM701/MW7			006GT101/2273 TW-1		
Collect Date:		01-OCT-96			09-DEC-96			09-DEC-96			21-FEB-96		
		VALUE	QUAL	UNITS	VALUE	QUAL	UNITS	VALUE	QUAL	UNITS	VALUE	QUAL	UNITS
1,1,1,2-Tetrachloroethane		1	U	ug/l	1	U	ug/l	1	U	ug/l	-		ug/l
1,2,3-Trichloropropane		1	U	ug/l	1	U	ug/l	1	U	ug/l	-		ug/l
LEAD	ug/l												
Lead		3	U	ug/l	8		ug/l	5		ug/l	-		ug/l
PNA COMPDS	ug/l												
Naphthalene		5	U	ug/l	5	U	ug/l	5	U	ug/l	45	U	ug/l
2-Methylnaphthalene		5	U	ug/l	5	U	ug/l	8		ug/l	45	U	ug/l
1-Methylnaphthalene		5	U	ug/l	5	U	ug/l	6		ug/l	45	U	ug/l
Acenaphthylene		5	U	ug/l	5	U	ug/l	5	U	ug/l	45	U	ug/l
Acenaphthene		5	U	ug/l	5	U	ug/l	5	U	ug/l	45	U	ug/l
Fluorene		5	U	ug/l	5	U	ug/l	5	U	ug/l	45	U	ug/l
Phenanthrene		5	U	ug/l	5	U	ug/l	5	U	ug/l	45	U	ug/l
Anthracene		5	U	ug/l	5	U	ug/l	5	U	ug/l	45	U	ug/l
Fluoranthene		5	U	ug/l	5	U	ug/l	5	U	ug/l	45	U	ug/l
Pyrene		5	U	ug/l	5	U	ug/l	5	U	ug/l	45	U	ug/l
Benzo (a) anthracene		5	U	ug/l	5	U	ug/l	5	U	ug/l	45	U	ug/l
Chrysene		5	U	ug/l	5	U	ug/l	5	U	ug/l	45	U	ug/l
Benzo (b) fluoranthene		5	U	ug/l	5	U	ug/l	5	U	ug/l	45	U	ug/l
Benzo (k) fluoranthene		5	U	ug/l	5	U	ug/l	5	U	ug/l	45	U	ug/l
Benzo (a) pyrene		5	U	ug/l	5	U	ug/l	5	U	ug/l	45	U	ug/l
Indeno (1,2,3-cd) pyrene		5	U	ug/l	5	U	ug/l	5	U	ug/l	45	U	ug/l
Dibenzo (a,h) anthracene		5	U	ug/l	5	U	ug/l	5	U	ug/l	45	U	ug/l
Benzo (g,h,i) perylene		5	U	ug/l	5	U	ug/l	5	U	ug/l	45	U	ug/l
TOTAL PETROLEUM HYDROCARBON	mg/l												
Total petroleum hydrocarbon		1	U	mg/l	1.5		mg/l	3.6		mg/l	-		mg/l

Lab Sample Number:		MA311004DL		96100017-1		96120066-5		97060163-1	
Site		2273		2273		2273		2273	
Locator		006GT101/2273 TW-1DL		006RB101/RB-1		006RB201/RB2		006RB301/2273 RB-3	
Collect Date:		21-FEB-96		01-OCT-96		09-DEC-96		24-JUN-97	
		VALUE QUAL	UNITS	VALUE QUAL	UNITS	VALUE QUAL	UNITS	VALUE QUAL	UNITS
EDB	ug/l								
Ethylene dibromide		-	ug/l	.02 U	ug/l	.02 U	ug/l	.02 U	ug/l
EPA 601/602	ug/l								
Chloromethane		-	ug/l	1 U	ug/l	1 U	ug/l	1 U	ug/l
Bromomethane		-	ug/l	1 U	ug/l	1 U	ug/l	1 U	ug/l
Dichlorodifluoromethane		-	ug/l	1 U	ug/l	1 U	ug/l	1 U	ug/l
Vinyl chloride		-	ug/l	1 U	ug/l	1 U	ug/l	1 U	ug/l
Chloroethane		-	ug/l	1 U	ug/l	1 U	ug/l	1 U	ug/l
Methylene chloride		-	ug/l	1 U	ug/l	1 U	ug/l	1 U	ug/l
Trichlorofluoromethane		-	ug/l	1 U	ug/l	1 U	ug/l	1 U	ug/l
1,1-Dichloroethene		-	ug/l	1 U	ug/l	1 U	ug/l	1 U	ug/l
1,1-Dichloroethane		-	ug/l	1 U	ug/l	1 U	ug/l	1 U	ug/l
trans-1,2-Dichloroethene		-	ug/l	1 U	ug/l	1 U	ug/l	1 U	ug/l
Chloroform		-	ug/l	1 U	ug/l	1 U	ug/l	1 U	ug/l
1,2-Dichloroethane		-	ug/l	1 U	ug/l	1 U	ug/l	1 U	ug/l
1,1,1-Trichloroethane		-	ug/l	1 U	ug/l	1 U	ug/l	1 U	ug/l
Carbon tetrachloride		-	ug/l	1 U	ug/l	1 U	ug/l	1 U	ug/l
Bromodichloromethane		-	ug/l	1 U	ug/l	1 U	ug/l	1 U	ug/l
1,2-Dichloropropane		-	ug/l	1 U	ug/l	1 U	ug/l	1 U	ug/l
cis-1,3-Dichloropropene		-	ug/l	-	ug/l	1 U	ug/l	1 U	ug/l
Trichloroethene		-	ug/l	1 U	ug/l	1 U	ug/l	1 U	ug/l
Dibromochloromethane		-	ug/l	1 U	ug/l	1 U	ug/l	1 U	ug/l
1,1,2-Trichloroethane		-	ug/l	1 U	ug/l	1 U	ug/l	1 U	ug/l
trans-1,3-Dichloropropene		-	ug/l	1 U	ug/l	1 U	ug/l	1 U	ug/l
Bromoform		-	ug/l	1 U	ug/l	1 U	ug/l	1 U	ug/l
1,1,2,2-Tetrachloroethane		-	ug/l	1 U	ug/l	1 U	ug/l	1 U	ug/l
Tetrachloroethene		-	ug/l	1 U	ug/l	1 U	ug/l	1 U	ug/l
Chlorobenzene		5 U	ug/l	1 U	ug/l	1 U	ug/l	1 U	ug/l
1,3-Dichlorobenzene		5 U	ug/l	1 U	ug/l	1 U	ug/l	1 U	ug/l
1,2-Dichlorobenzene		5 U	ug/l	1 U	ug/l	1 U	ug/l	1 U	ug/l
1,4-Dichlorobenzene		5 U	ug/l	1 U	ug/l	1 U	ug/l	1 U	ug/l
Methyl tert-butyl ether		5 U	ug/l	5 U	ug/l	5 U	ug/l	5 U	ug/l
Benzene		5 U	ug/l	1 U	ug/l	1 U	ug/l	1 U	ug/l
Toluene		5 U	ug/l	1 U	ug/l	1 U	ug/l	1 U	ug/l
Chlorobenzene		5 U	ug/l	1 U	ug/l	1 U	ug/l	1 U	ug/l
Ethylbenzene		24	ug/l	1 U	ug/l	1 U	ug/l	1 U	ug/l
Xylenes (total)		500 D	ug/l	-	ug/l	-	ug/l	-	ug/l
o-Xylene		-	ug/l	1 U	ug/l	1 U	ug/l	1 U	ug/l
m,p-Xylene		-	ug/l	1 U	ug/l	1 U	ug/l	1 U	ug/l
Bromobenzene		-	ug/l	1 U	ug/l	1 U	ug/l	1 U	ug/l

Lab Sample Number:		MA311004DL		96100017-1		96120066-5		97060163-1	
Site		2273		2273		2273		2273	
Locator		006GT101/2273 TW-1DL		006RB101/RB-1		006RB201/RB2		006RB301/2273 RB-3	
Collect Date:		21-FEB-96		01-OCT-96		09-DEC-96		24-JUN-97	
		VALUE QUAL	UNITS	VALUE QUAL	UNITS	VALUE QUAL	UNITS	VALUE QUAL	UNITS
1,1,1,2-Tetrachloroethane		-	ug/l	1 U	ug/l	1 U	ug/l	1 U	ug/l
1,2,3-Trichloropropane		-	ug/l	1 U	ug/l	1 U	ug/l	1 U	ug/l
LEAD	ug/l								
Lead		-	ug/l	3 U	ug/l	3 U	ug/l	3 U	ug/l
PNA COMPDS	ug/l								
Naphthalene		-	ug/l	5 U	ug/l	5 U	ug/l	5 U	ug/l
2-Methylnaphthalene		-	ug/l	5 U	ug/l	5 U	ug/l	5 U	ug/l
1-Methylnaphthalene		-	ug/l	5 U	ug/l	5 U	ug/l	5 U	ug/l
Acenaphthylene		-	ug/l	5 U	ug/l	5 U	ug/l	5 U	ug/l
Acenaphthene		-	ug/l	5 U	ug/l	5 U	ug/l	5 U	ug/l
Fluorene		-	ug/l	5 U	ug/l	5 U	ug/l	5 U	ug/l
Phenanthrene		-	ug/l	5 U	ug/l	5 U	ug/l	5 U	ug/l
Anthracene		-	ug/l	5 U	ug/l	5 U	ug/l	5 U	ug/l
Fluoranthene		-	ug/l	5 U	ug/l	5 U	ug/l	5 U	ug/l
Pyrene		-	ug/l	5 U	ug/l	5 U	ug/l	5 U	ug/l
Benzo (a) anthracene		-	ug/l	5 U	ug/l	5 U	ug/l	5 U	ug/l
Chrysene		-	ug/l	5 U	ug/l	5 U	ug/l	5 U	ug/l
Benzo (b) fluoranthene		-	ug/l	5 U	ug/l	5 U	ug/l	5 U	ug/l
Benzo (k) fluoranthene		-	ug/l	5 U	ug/l	5 U	ug/l	5 U	ug/l
Benzo (a) pyrene		-	ug/l	5 U	ug/l	5 U	ug/l	5 U	ug/l
Indeno (1,2,3-cd) pyrene		-	ug/l	5 U	ug/l	5 U	ug/l	5 U	ug/l
Dibenzo (a,h) anthracene		-	ug/l	5 U	ug/l	5 U	ug/l	5 U	ug/l
Benzo (g,h,i) perylene		-	ug/l	5 U	ug/l	5 U	ug/l	5 U	ug/l
TOTAL PETROLEUM HYDROCARBON	mg/l								
Total petroleum hydrocarbon		-	mg/l	1 U	mg/l	1 U	mg/l	1 U	mg/l

Lab Sample Number:		96120066-6			G8232005			MB473005		
Site		2273			2273			2273		
Locator		TRIP BLANK			TRIP BLK			TRIPBLANK		
Collect Date:		09-DEC-96			15-AUG-95			25-JUL-96		
		VALUE	QUAL	UNITS	VALUE	QUAL	UNITS	VALUE	QUAL	UNITS
EDB	ug/l									
Ethylene dibromide		-		ug/l	-		ug/l	-		ug/l
EPA 601/602	ug/l									
Chloromethane		1	U	ug/l	1	U	ug/l	1	U	ug/l
Bromomethane		1	U	ug/l	1	U	ug/l	1	U	ug/l
Dichlorodifluoromethane		1	U	ug/l	1	U	ug/l	1	U	ug/l
Vinyl chloride		1	U	ug/l	1	U	ug/l	1	U	ug/l
Chloroethane		1	U	ug/l	1	U	ug/l	1	U	ug/l
Methylene chloride		1	U	ug/l	5	U	ug/l	5	U	ug/l
Trichlorofluoromethane		1	U	ug/l	1	U	ug/l	1	U	ug/l
1,1-Dichloroethene		1	U	ug/l	1	U	ug/l	1	U	ug/l
1,1-Dichloroethane		1	U	ug/l	1	U	ug/l	1	U	ug/l
trans-1,2-Dichloroethene		1	U	ug/l	1	U	ug/l	1	U	ug/l
Chloroform		1	U	ug/l	1	U	ug/l	1	U	ug/l
1,2-Dichloroethane		1	U	ug/l	1	U	ug/l	1	U	ug/l
1,1,1-Trichloroethane		1	U	ug/l	1	U	ug/l	1	U	ug/l
Carbon tetrachloride		1	U	ug/l	1	U	ug/l	1	U	ug/l
Bromodichloromethane		1	U	ug/l	1	U	ug/l	1	U	ug/l
1,2-Dichloropropane		1	U	ug/l	1	U	ug/l	1	U	ug/l
cis-1,3-Dichloropropene		1	U	ug/l	1	U	ug/l	1	U	ug/l
Trichloroethene		1	U	ug/l	1	U	ug/l	1	U	ug/l
Dibromochloromethane		1	U	ug/l	1	U	ug/l	1	U	ug/l
1,1,2-Trichloroethane		1	U	ug/l	1	U	ug/l	1	U	ug/l
trans-1,3-Dichloropropene		1	U	ug/l	1	U	ug/l	1	U	ug/l
Bromoform		1	U	ug/l	1	U	ug/l	1	U	ug/l
1,1,2,2-Tetrachloroethane		1	U	ug/l	1	U	ug/l	1	U	ug/l
Tetrachloroethene		1	U	ug/l	1	U	ug/l	1	U	ug/l
Chlorobenzene		1	U	ug/l	1	U	ug/l	1	U	ug/l
1,3-Dichlorobenzene		1	U	ug/l	1	U	ug/l	1	U	ug/l
1,2-Dichlorobenzene		1	U	ug/l	1	U	ug/l	1	U	ug/l
1,4-Dichlorobenzene		1	U	ug/l	1	U	ug/l	1	U	ug/l
Methyl tert-butyl ether		5	U	ug/l	1	U	ug/l	1	U	ug/l
Benzene		1	U	ug/l	1	U	ug/l	1	U	ug/l
Toluene		1	U	ug/l	1	U	ug/l	1	U	ug/l
Chlorobenzene		1	U	ug/l	1	U	ug/l	1	U	ug/l
Ethylbenzene		1	U	ug/l	1	U	ug/l	1	U	ug/l
Xylenes (total)		-		ug/l	1	U	ug/l	-		ug/l
o-Xylene		1	U	ug/l	-		ug/l	1	U	ug/l
m,p-Xylene		1	U	ug/l	-		ug/l	2	U	ug/l
Bromobenzene		1	U	ug/l	-		ug/l	-		ug/l

Lab Sample Number:		96120066-6			G8232005			MB473005		
Site		2273			2273			2273		
Locator		TRIP BLANK			TRIP BLK			TRIPBLANK		
Collect Date:		09-DEC-96			15-AUG-95			25-JUL-96		
		VALUE	QUAL	UNITS	VALUE	QUAL	UNITS	VALUE	QUAL	UNITS
1,1,1,2-Tetrachloroethane		1	U	ug/l	-		ug/l	-		ug/l
1,2,3-Trichloropropane		1	U	ug/l	-		ug/l	-		ug/l
LEAD	ug/l									
Lead		-		ug/l	-		ug/l	-		ug/l
PNA COMPDS	ug/l									
Naphthalene		-		ug/l	-		ug/l	-		ug/l
2-Methylnaphthalene		-		ug/l	-		ug/l	-		ug/l
1-Methylnaphthalene		-		ug/l	-		ug/l	-		ug/l
Acenaphthylene		-		ug/l	-		ug/l	-		ug/l
Acenaphthene		-		ug/l	-		ug/l	-		ug/l
Fluorene		-		ug/l	-		ug/l	-		ug/l
Phenanthrene		-		ug/l	-		ug/l	-		ug/l
Anthracene		-		ug/l	-		ug/l	-		ug/l
Fluoranthene		-		ug/l	-		ug/l	-		ug/l
Pyrene		-		ug/l	-		ug/l	-		ug/l
Benzo (a) anthracene		-		ug/l	-		ug/l	-		ug/l
Chrysene		-		ug/l	-		ug/l	-		ug/l
Benzo (b) fluoranthene		-		ug/l	-		ug/l	-		ug/l
Benzo (k) fluoranthene		-		ug/l	-		ug/l	-		ug/l
Benzo (a) pyrene		-		ug/l	-		ug/l	-		ug/l
Indeno (1,2,3-cd) pyrene		-		ug/l	-		ug/l	-		ug/l
Dibenzo (a,h) anthracene		-		ug/l	-		ug/l	-		ug/l
Benzo (g,h,i) perylene		-		ug/l	-		ug/l	-		ug/l
TOTAL PETROLEUM HYDROCARBON	mg/l									
Total petroleum hydrocarbon		-		mg/l	-		mg/l	-		mg/l

07/30/97 BUILDING 2273--- ..ITS REPORT----- 06:59:12
MAIN BASE, NTC ORLANDO, FLORIDA

Lab Sample Number:		96120066-4			G8232001			G8232002			G8232003		
Site		2273			2273			2273			2273		
Locator		006D301/DW3			006GC101			006GC201			006GC301		
Collect Date:		09-DEC-96			15-AUG-95			15-AUG-95			15-AUG-95		
		VALUE	QUAL	UNITS	VALUE	QUAL	UNITS	VALUE	QUAL	UNITS	VALUE	QUAL	UNITS
EPA 601/602	ug/l												
Chloroform		5.4		ug/l	-	U	ug/l	-	U	ug/l	-	U	ug/l
Chlorobenzene		2		ug/l	-	U	ug/l	-	U	ug/l	-	U	ug/l
1,2-Dichlorobenzene		110		ug/l	-	U	ug/l	-	U	ug/l	-	U	ug/l
1,4-Dichlorobenzene		4.9		ug/l	-	U	ug/l	-	U	ug/l	-	U	ug/l
Benzene		-	U	ug/l	-	U	ug/l	-	U	ug/l	-	U	ug/l
Chlorobenzene		2		ug/l	-	U	ug/l	-	U	ug/l	-	U	ug/l
Ethylbenzene		-	U	ug/l	-	U	ug/l	-	U	ug/l	-	U	ug/l
Xylenes (total)		-		ug/l	-	U	ug/l	-	U	ug/l	-	U	ug/l
o-Xylene		-	U	ug/l	-		ug/l	-		ug/l	-		ug/l
m,p-Xylene		-	U	ug/l	-		ug/l	-		ug/l	-		ug/l
LEAD	ug/l												
Lead		15		ug/l	19.5		ug/l	2.7		ug/l	-	U	ug/l
PNA COMPDS	ug/l												
Naphthalene		-	U	ug/l	-	U	ug/l	-	U	ug/l	-	U	ug/l
2-Methylnaphthalene		-	U	ug/l	-	U	ug/l	-	U	ug/l	-	U	ug/l
1-Methylnaphthalene		-	U	ug/l	-	U	ug/l	-	U	ug/l	-	U	ug/l
TOTAL PETROLEUM HYDROCARBON	mg/l												
Total petroleum hydrocarbon		-	U	mg/l	-	U	mg/l	-	U	mg/l	-	U	mg/l

07/30/97 BUILDING 2273---- HITS REPORT----- 06:59:12
MAIN BASE, NTC ORLANDO, FLORIDA

Lab Sample Number:		G8232004			G8232004RE			96100017-4			97010005-1		
Site		2273			2273			2273			2273		
Locator		006GC401			006GC401RE			006GD101/2273DW1			006GD102/DW-1		
Collect Date:		15-AUG-95			15-AUG-95			01-OCT-96			02-JAN-97		
		VALUE	QUAL	UNITS	VALUE	QUAL	UNITS	VALUE	QUAL	UNITS	VALUE	QUAL	UNITS
EPA 601/602	ug/l												
Chloroform		-	U	ug/l	-		ug/l	-	U	ug/l	-	U	ug/l
Chlorobenzene		-	U	ug/l	-		ug/l	-	U	ug/l	-	U	ug/l
1,2-Dichlorobenzene		-	U	ug/l	-		ug/l	-	U	ug/l	-	U	ug/l
1,4-Dichlorobenzene		-	U	ug/l	-		ug/l	-	U	ug/l	-	U	ug/l
Benzene		-	U	ug/l	-		ug/l	-	U	ug/l	-	U	ug/l
Chlorobenzene		-	U	ug/l	-		ug/l	-	U	ug/l	-	U	ug/l
Ethylbenzene		-	U	ug/l	-		ug/l	236.5		ug/l	11.8		ug/l
Xylenes (total)		-	U	ug/l	-		ug/l	-		ug/l	-		ug/l
o-Xylene		-		ug/l	-		ug/l	314.5		ug/l	36.1		ug/l
m,p-Xylene		-		ug/l	-		ug/l	835		ug/l	74.7		ug/l
LEAD	ug/l												
Lead		4.1		ug/l	-		ug/l	-	U	ug/l	-		ug/l
PNA COMPDS	ug/l												
Naphthalene		-	U	ug/l	-	U	ug/l	-	U	ug/l	-		ug/l
2-Methylnaphthalene		-	U	ug/l	-	U	ug/l	-	U	ug/l	-		ug/l
1-Methylnaphthalene		-	U	ug/l	-	U	ug/l	-	U	ug/l	-		ug/l
TOTAL PETROLEUM HYDROCARBON	mg/l												
Total petroleum hydrocarbon		-	U	mg/l	-		mg/l	-	U	mg/l	-		mg/l

07/30/97 BUILDING 2273-- ITS REPORT----- 06:59:12
MAIN BASE, NTC ORLANDO, FLORIDA

Lab Sample Number:	97060163-2			96120066-3			97010005-2			97060163-3		
Site	2273			2273			2273			2273		
Locator	006GD103/2273 DW-1			006GD201/DW2			006GD202/DM-2			006GD203/2273 DW-2		
Collect Date:	24-JUN-97			09-DEC-96			02-JAN-97			24-JUN-97		
	VALUE	QUAL	UNITS	VALUE	QUAL	UNITS	VALUE	QUAL	UNITS	VALUE	QUAL	UNITS
EPA 601/602 ug/l												
Chloroform	-	U	ug/l	-	U	ug/l	-	U	ug/l	-	U	ug/l
Chlorobenzene	-	U	ug/l	39		ug/l	12.7		ug/l	29.9		ug/l
1,2-Dichlorobenzene	-	U	ug/l	-	U	ug/l	-	U	ug/l	-	U	ug/l
1,4-Dichlorobenzene	-	U	ug/l	-	U	ug/l	-	U	ug/l	-	U	ug/l
Benzene	-	U	ug/l	4.8		ug/l	-	U	ug/l	3.3		ug/l
Chlorobenzene	-	U	ug/l	39		ug/l	12.7		ug/l	29.9		ug/l
Ethylbenzene	5.4		ug/l	7		ug/l	2.1		ug/l	4		ug/l
Xylenes (total)	-		ug/l	-		ug/l	-		ug/l	-		ug/l
o-Xylene	130		ug/l	8.6		ug/l	3.5		ug/l	17.2		ug/l
m,p-Xylene	120		ug/l	16.3		ug/l	8		ug/l	28.8		ug/l
LEAD ug/l												
Lead	-	U	ug/l	11		ug/l	-		ug/l	-	U	ug/l
PNA COMPDS ug/l												
Naphthalene	-	U	ug/l	-	U	ug/l	-		ug/l	-	U	ug/l
2-Methylnaphthalene	-	U	ug/l	-	U	ug/l	-		ug/l	-	U	ug/l
1-Methylnaphthalene	-	U	ug/l	-	U	ug/l	-		ug/l	-	U	ug/l
TOTAL PETROLEUM HYDROCARBON mg/l												
Total petroleum hydrocarbon	-	U	mg/l	-	U	mg/l	-		mg/l	-	U	mg/l

07/30/97 BUILDING 2273--- HITS REPORT----- 06:59:12
MAIN BASE, NTC ORLANDO, FLORIDA

Lab Sample Number:		97010005-3			97060163-4			97060163-5			97060163-6		
Site		2273			2273			2273			2273		
Locator		006GD302/DW-3			006GD303/2273 DW-3			006GD401/2273 DW-4			006GD501/2273 DW-5		
Collect Date:		02-JAN-97			24-JUN-97			24-JUN-97			24-JUN-97		
		VALUE	QUAL	UNITS	VALUE	QUAL	UNITS	VALUE	QUAL	UNITS	VALUE	QUAL	UNITS
EPA 601/602	ug/l												
Chloroform		-	U	ug/l	-	U	ug/l	-	U	ug/l	-	U	ug/l
Chlorobenzene		-	U	ug/l	-	U	ug/l	-	U	ug/l	-	U	ug/l
1,2-Dichlorobenzene		-	U	ug/l	42.8		ug/l	-	U	ug/l	-	U	ug/l
1,4-Dichlorobenzene		-	U	ug/l	-	U	ug/l	-	U	ug/l	-	U	ug/l
Benzene		-	U	ug/l	-	U	ug/l	-	U	ug/l	-	U	ug/l
Chlorobenzene		-	U	ug/l	-	U	ug/l	-	U	ug/l	-	U	ug/l
Ethylbenzene		-	U	ug/l	-	U	ug/l	3.7		ug/l	-	U	ug/l
Xylenes (total)		-		ug/l	-		ug/l	-		ug/l	-		ug/l
o-Xylene		-	U	ug/l	-	U	ug/l	3.9		ug/l	-	U	ug/l
m,p-Xylene		-	U	ug/l	-	U	ug/l	8.1		ug/l	-	U	ug/l
LEAD	ug/l												
Lead		-		ug/l	-	U	ug/l	-	U	ug/l	-	U	ug/l
PNA COMPDS	ug/l												
Naphthalene		-		ug/l	-	U	ug/l	-	U	ug/l	8		ug/l
2-Methylnaphthalene		-		ug/l	-	U	ug/l	-	U	ug/l	22		ug/l
1-Methylnaphthalene		-		ug/l	-	U	ug/l	-	U	ug/l	16		ug/l
TOTAL PETROLEUM HYDROCARBON	mg/l												
Total petroleum hydrocarbon		-		mg/l	-	U	mg/l	-	U	mg/l	-	U	mg/l

07/30/97 BUILDING 2273--- ,TS REPORT----- 06:59:12
MAIN BASE, NTC ORLANDO, FLORIDA

Lab Sample Number:		MB473001			MB473002			MB473003			96100017-2		
Site		2273			2273			2273			2273		
Locator		006GM101			006GM201			006GM301			006GM401/2273MW4		
Collect Date:		25-JUL-96			25-JUL-96			25-JUL-96			01-OCT-96		
		VALUE	QUAL	UNITS	VALUE	QUAL	UNITS	VALUE	QUAL	UNITS	VALUE	QUAL	UNITS
EPA 601/602	ug/l												
Chloroform		-	U	ug/l	-	U	ug/l	-	U	ug/l	-	U	ug/l
Chlorobenzene		-	U	ug/l	-	U	ug/l	-	U	ug/l	22.9		ug/l
1,2-Dichlorobenzene		-	U	ug/l	-	U	ug/l	-	U	ug/l	-	U	ug/l
1,4-Dichlorobenzene		-	U	ug/l	-	U	ug/l	-	U	ug/l	-	U	ug/l
Benzene		-	U	ug/l	-	U	ug/l	-	U	ug/l	3.2		ug/l
Chlorobenzene		-	U	ug/l	-	U	ug/l	-	U	ug/l	22.9		ug/l
Ethylbenzene		27		ug/l	-	U	ug/l	-	U	ug/l	-	U	ug/l
Xylenes (total)		-		ug/l	-		ug/l	-		ug/l	-		ug/l
o-Xylene		4.6		ug/l	-	U	ug/l	-	U	ug/l	-	U	ug/l
m,p-Xylene		26		ug/l	-	U	ug/l	-	U	ug/l	-	U	ug/l
LEAD	ug/l												
Lead		4.8		ug/l	3.5		ug/l	6.3		ug/l	-	U	ug/l
PNA COMPDS	ug/l												
Naphthalene		-	U	ug/l	-	U	ug/l	-	U	ug/l	-	U	ug/l
2-Methylnaphthalene		-	U	ug/l	-	U	ug/l	-	U	ug/l	-	U	ug/l
1-Methylnaphthalene		-	U	ug/l	-	U	ug/l	-	U	ug/l	-	U	ug/l
TOTAL PETROLEUM HYDROCARBON	mg/l												
Total petroleum hydrocarbon		5.05		mg/l	.19		mg/l	.14		mg/l	3.7		mg/l

07/30/97 BUILDING 2273---- ..ITS REPORT----- 06:59:12
MAIN BASE, NTC ORLANDO, FLORIDA

Lab Sample Number:		96100017-3			96120066-1			96120066-2			MA311004		
Site		2273			2273			2273			2273		
Locator		006GM501/ 2273MW5			006GM601/MW6			006GM701/MW7			006GT101/2273 TW-1		
Collect Date:		01-OCT-96			09-DEC-96			09-DEC-96			21-FEB-96		
		VALUE	QUAL	UNITS	VALUE	QUAL	UNITS	VALUE	QUAL	UNITS	VALUE	QUAL	UNITS
EPA 601/602	ug/l												
Chloroform		-	U	ug/l	-	U	ug/l	-	U	ug/l	-		ug/l
Chlorobenzene		-	U	ug/l	3.7		ug/l	-	U	ug/l	-	U	ug/l
1,2-Dichlorobenzene		-	U	ug/l	-	U	ug/l	-	U	ug/l	-	U	ug/l
1,4-Dichlorobenzene		-	U	ug/l	-	U	ug/l	-	U	ug/l	-	U	ug/l
Benzene		-	U	ug/l	-	U	ug/l	-	U	ug/l	-	U	ug/l
Chlorobenzene		-	U	ug/l	3.7		ug/l	-	U	ug/l	-	U	ug/l
Ethylbenzene		-	U	ug/l	-	U	ug/l	-	U	ug/l	30		ug/l
Xylenes (total)		-		ug/l	-		ug/l	-		ug/l	470	E	ug/l
o-Xylene		-	U	ug/l	-	U	ug/l	-	U	ug/l	-		ug/l
m,p-Xylene		-	U	ug/l	-	U	ug/l	-	U	ug/l	-		ug/l
LEAD	ug/l												
Lead		-	U	ug/l	8		ug/l	5		ug/l	-		ug/l
PNA COMPDS	ug/l												
Naphthalene		-	U	ug/l	-	U	ug/l	-	U	ug/l	-	U	ug/l
2-Methylnaphthalene		-	U	ug/l	-	U	ug/l	8		ug/l	-	U	ug/l
1-Methylnaphthalene		-	U	ug/l	-	U	ug/l	6		ug/l	-	U	ug/l
TOTAL PETROLEUM HYDROCARBON	mg/l												
Total petroleum hydrocarbon		-	U	mg/l	1.5		mg/l	3.6		mg/l	-		mg/l

07/30/97 BUILDING 2273--- ITS REPORT----- 06:59:12
MAIN BASE, NTC ORLANDO, FLORIDA

Lab Sample Number:		MA311004DL			96100017-1			96120066-5			97060163-1		
Site		2273			2273			2273			2273		
Locator		006GT101/2273 TW-1DL			006RB101/RB-1			006RB201/RB2			006RB301/2273 RB-3		
Collect Date:		21-FEB-96			01-OCT-96			09-DEC-96			24-JUN-97		
		VALUE	QUAL	UNITS	VALUE	QUAL	UNITS	VALUE	QUAL	UNITS	VALUE	QUAL	UNITS
EPA 601/602	ug/l												
Chloroform		-		ug/l	-	U	ug/l	-	U	ug/l	-	U	ug/l
Chlorobenzene		-	U	ug/l	-	U	ug/l	-	U	ug/l	-	U	ug/l
1,2-Dichlorobenzene		-	U	ug/l	-	U	ug/l	-	U	ug/l	-	U	ug/l
1,4-Dichlorobenzene		-	U	ug/l	-	U	ug/l	-	U	ug/l	-	U	ug/l
Benzene		-	U	ug/l	-	U	ug/l	-	U	ug/l	-	U	ug/l
Chlorobenzene		-	U	ug/l	-	U	ug/l	-	U	ug/l	-	U	ug/l
Ethylbenzene		24		ug/l	-	U	ug/l	-	U	ug/l	-	U	ug/l
Xylenes (total)		500	D	ug/l	-		ug/l	-		ug/l	-		ug/l
o-Xylene		-		ug/l	-	U	ug/l	-	U	ug/l	-	U	ug/l
m,p-Xylene		-		ug/l	-	U	ug/l	-	U	ug/l	-	U	ug/l
LEAD	ug/l												
Lead		-		ug/l	-	U	ug/l	-	U	ug/l	-	U	ug/l
PNA COMPDS	ug/l												
Naphthalene		-		ug/l	-	U	ug/l	-	U	ug/l	-	U	ug/l
2-Methylnaphthalene		-		ug/l	-	U	ug/l	-	U	ug/l	-	U	ug/l
1-Methylnaphthalene		-		ug/l	-	U	ug/l	-	U	ug/l	-	U	ug/l
TOTAL PETROLEUM HYDROCARBON	mg/l												
Total petroleum hydrocarbon		-		mg/l	-	U	mg/l	-	U	mg/l	-	U	mg/l

07/30/97 BUILDING 2273-- ITS REPORT----- 06:59:12
MAIN BASE, NTC ORLANDO, FLORIDA

Lab Sample Number:		96120066-6			G8232005			MB473005		
Site		2273			2273			2273		
Locator		TRIP BLANK			TRIP BLK			TRIPBLANK		
Collect Date:		09-DEC-96			15-AUG-95			25-JUL-96		
		VALUE	QUAL	UNITS	VALUE	QUAL	UNITS	VALUE	QUAL	UNITS
EPA 601/602	ug/l									
Chloroform		-	U	ug/l	-	U	ug/l	-	U	ug/l
Chlorobenzene		-	U	ug/l	-	U	ug/l	-	U	ug/l
1,2-Dichlorobenzene		-	U	ug/l	-	U	ug/l	-	U	ug/l
1,4-Dichlorobenzene		-	U	ug/l	-	U	ug/l	-	U	ug/l
Benzene		-	U	ug/l	-	U	ug/l	-	U	ug/l
Chlorobenzene		-	U	ug/l	-	U	ug/l	-	U	ug/l
Ethylbenzene		-	U	ug/l	-	U	ug/l	-	U	ug/l
Xylenes (total)		-		ug/l	-	U	ug/l	-		ug/l
o-Xylene		-	U	ug/l	-		ug/l	-	U	ug/l
m,p-Xylene		-	U	ug/l	-		ug/l	-	U	ug/l
LEAD	ug/l									
Lead		-		ug/l	-		ug/l	-		ug/l
PNA COMPDS	ug/l									
Naphthalene		-		ug/l	-		ug/l	-		ug/l
2-Methylnaphthalene		-		ug/l	-		ug/l	-		ug/l
1-Methylnaphthalene		-		ug/l	-		ug/l	-		ug/l
TOTAL PETROLEUM HYDROCARBON	mg/l									
Total petroleum hydrocarbon		-		mg/l	-		mg/l	-		mg/l

№ 34..8

PC&B Laboratories, Inc.

210 Park Road, Oviedo, Fl 32765
407-359-7194 (FAX) 407-359-7197

Chain of Custody

Work Order: 9706161 63

Date: 6-24-97 Page 1 of 1

COMPANY: ABB-ES
ADDRESS: 1080 Woodcock Road Suite 100, Orlando, FL 32803
SAMPLED BY: Scott Donelick
SIGN: [signature] PHONE NO: 895-8845

ANALYSIS REQUEST

#	SAMPLE ID.	DATE/TIME		MATRIX	EPA 601/602	EPA 504	EPA 610	EPA 418.1	EPA 232.2	NUMBER OF CONTAINERS
1	006RB301/2273 RB-3	6-24-97	0828	H2O	2	2	1	1	1	
2	006GD103/2273 DW-1	↓	1238	↓	2	2	1	1	1	
3	006GD203/2273 DW-2		1144		2	2	1	1	1	
4	006GD303/2273 DW-3		1304		2	2	1	1	1	
5	006GD401/2273 DW-4		1010		2	2	1	1	1	
6	006GD501/2273 DW-5		1346		2	2	1	1	1	
7										
8										
9										
10										
11										
12										
13										

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME
1: [signature]	6/9/97	1: [signature]	6/9/97
2: [signature]	6-24-97 1600	2: [signature]	6/24/97 1600
3:		3:	

SPECIAL INSTRUCTIONS/COMMENTS:

PROJECT INFORMATION
PROJECT NAME: NTC Orlando
PROJECT #: 8545-58
SITE ADDRESS: Building 2273
PROJECT MANAGER: John Kaiser
INVOICE TO: (IF DIFFERENT FROM ABOVE) Attn: Lorena Kandt

SAMPLE RECEIPT
Total No. of Containers
Chain of Custody Seals
Rec'd Good Condition/Cold
PO#:
SHIPPED VIA: Pil

QAL

QUALITY ANALYTICAL LABORATORIES, INC.

CHAIN OF CUSTODY RECORD AND AGREEMENT TO PERFORM SERVICES

Project # 8519-54

Purchase Order #

Project Name: NTC Orlando TMP

Company Name: ABB Environmental Services, Inc.

Project Manager or Contact & Phone #: John Lanco 407-895-8875

Report Copy to: Manuel Alonso

Requested Completion Date: 5-10-96

Site ID: NTC Orlando

Sample Disposal: Dispose ☒ Return ☐

☐ LGN
One Innovation Drive, Suite C
Alachua, FL 32615-9586
(904) 462-3050 FAX (904) 462-1670

☐ LRD
5090 Caterpillar Road
Redding, CA 96003-1412
(916) 244-5227 FAX (916) 244-4109

☒ LMG
2567 Fairlane Drive
Montgomery, AL 36116-1622
(205) 271-2440 FAX (205) 271-3428

☐ LKW
Canviro Analytical Laboratories, Inc.
50 Bathurst, Unit 12
Waterloo, Ontario, Canada N2V 2C5
(519) 747-2575 FAX (519) 747-3806

THIS AREA FOR LAB USE ONLY

Lab #	Page	of
Client Service	Price Source A P Q S	
Acct Code	Test Group	
Project Code	Ack. Gen.	
LIMS Ver	Login	Mult.
COC Review		

Sampling Date	Sampling Time	Type COMP	Type GRAB	Matrix WATER	Matrix SOIL	CLIENT SAMPLE ID (9 CHARACTERS)	QC ID (3 CHAR)	# OF CONTAINERS	ANALYSES REQUESTED: EPA 610	ANALYSES REQUESTED: EPA 602 - NTC	SAMPLE REMARKS	LAB 1 ID	LAB 2 ID
2-21-96	0952		X	X		047GT101		5	2	3	7119 TW-1		
	1030		X	X		053GT101		5	2	3	7190 TW-1		
	1100		X	X		057GT101		5	2	3	7290 TW-1		
	1424		X	X		006GT101		5	2	3	2273 TW-1		

Sampled By & Title (Please sign and print name): [illegible] (Scott Dirt Crew) Date/Time 2-21-96

Relinquished By (Please sign and print name): [illegible] (Scott Dirt Crew) Date/Time [illegible]

Received By (Please sign and print name) Date/Time

Relinquished By (Please sign and print name) Date/Time

Received By (Please sign and print name) Date/Time

Relinquished By (Please sign and print name) Date/Time

Received By (Please sign and print name) Date/Time

Shipped Via: UPS Fed-Ex Other _____

Shipping # 8157412510

HAZWRAP/NESSA: Y N

EDATA: Y N

QC LEVEL 1 2 3 OTHER _____

pH Ice

Custody Seal Temp

Batch Remarks:

Instructions and Agreement Provisions on Reverse Side

DISTRIBUTION: Original - LAB Yellow - LAB Pink - Client

BUILDING NUMBER 2273 ---- HITS REPORT----------
NTC ORLANDO FLORIDA MAIN BASE

Lab Sample Number:	MB473001				MB473002				MB473003				96100017-2			
Site	2273				2273				2273				2273			
Locator	006GM101				006GM201				006GM301				006GM401/2273MW4			
Collect Date:	25-JUL-96				25-JUL-96				25-JUL-96				01-OCT-96			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
PA 601/602																
Chloroform	-	U	ug/l	1	-	U	ug/l	1	-	U	ug/l	1	-	U	ug/l	1
Chlorobenzene	-	U	ug/l	1	-	U	ug/l	1	-	U	ug/l	1	22.9		ug/l	1
1,2-Dichlorobenzene	-	U	ug/l	1	-	U	ug/l	1	-	U	ug/l	1	-	U	ug/l	1
1,4-Dichlorobenzene	-	U	ug/l	1	-	U	ug/l	1	-	U	ug/l	1	-	U	ug/l	1
Benzene	-	U	ug/l	1	-	U	ug/l	1	-	U	ug/l	1	3.2		ug/l	1
Chlorobenzene	-	U	ug/l	1	-	U	ug/l	1	-	U	ug/l	1	22.9		ug/l	1
Ethylbenzene	27		ug/l	1	-	U	ug/l	1	-	U	ug/l	1	-	U	ug/l	1
o-Xylene	4.6		ug/l	1	-	U	ug/l	1	-	U	ug/l	1	-	U	ug/l	1
m,p-Xylene	26		ug/l	2	-	U	ug/l	2	-	U	ug/l	2	-			
EAD																
Lead	4.8		ug/l	3	3.5		ug/l	3	6.3		ug/l	3	-	U	ug/l	3
NA COMPDS																
1-Methylnaphthalene	-	U	ug/l	38	-	U	ug/l	2	-	U	ug/l	2	-	U	ug/l	5
OTAL PETROLEUM HYDROCARBON																
Total petroleum hydrocarbon	5.05		mg/l	.1	.19		mg/l	.05	.14		mg/l	.05	3.7		mg/l	1

BUILDING NUMBER 2273 ----- ITS REPORT----------
NTC ORLANDO FLORIDA MAIN BASE

Lab Sample Number:	97010005-1				96120066-3				97010005-2				96120066-4			
Site	2273				2273				2273				2273			
Locator	006GD102/DW-1				006GD201/DW2				006GD202/DM-2				006D301/DW3			
Collect Date:	02-JAN-97				09-DEC-96				02-JAN-97				09-DEC-96			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
PA 601/602																
Chloroform	-	U	ug/l	1	-	U	ug/l	1	-	U	ug/l	1	5.4		ug/l	1
Chlorobenzene	-	U	ug/l	1	39		ug/l	1	12.7		ug/l	1	2		ug/l	1
1,2-Dichlorobenzene	-	U	ug/l	1	-	U	ug/l	1	-	U	ug/l	1	110		ug/l	1
1,4-Dichlorobenzene	-	U	ug/l	1	-	U	ug/l	1	-	U	ug/l	1	4.9		ug/l	1
Benzene	-	U	ug/l	1	4.8		ug/l	1	-	U	ug/l	1	-	U	ug/l	1
Chlorobenzene	-	U	ug/l	1	39		ug/l	1	12.7		ug/l	1	2		ug/l	1
Ethylbenzene	11.8		ug/l	1	7		ug/l	1	2.1		ug/l	[illegible]	-	U	ug/l	1
o-Xylene	36.1		ug/l	1	8.6		ug/l	1	3.5		ug/l	1	-	U	ug/l	1
m,p-Xylene	-				-				-				-			
EAD																
Lead	-				11		ug/l	3	-				15		ug/l	3
NA COMPDS																
1-Methylnaphthalene	-				-	U	ug/l	5	-				-	U	ug/l	5
OTAL PETROLEUM HYDROCARBON																
Total petroleum hydrocarbon	-				-	U	mg/l	1	-				-	U	mg/l	1

BUILDING NUMBER 2273 --- -HITS REPORT----------
NTC ORLANDO FLORIDA MAIN BASE

Lab Sample Number:	G8232004				96100017-1				96120066-5			
Site	2273				2273				2273			
Locator	006GC401				006RB101/RB-1				006RB201/RB2			
Collect Date:	15-AUG-95				01-OCT-96				09-DEC-96			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
EPA 601/602												
Chloroform	-	U	ug/l	1	-	U	ug/l	1	-	U	ug/l	1
Chlorobenzene	-	U	ug/l	1	-	U	ug/l	1	-	U	ug/l	1
1,2-Dichlorobenzene	-	U	ug/l	1	-	U	ug/l	1	-	U	ug/l	1
1,4-Dichlorobenzene	-	U	ug/l	1	-	U	ug/l	1	-	U	ug/l	1
Benzene	-	U	ug/l	1	-	U	ug/l	1	-	U	ug/l	1
Chlorobenzene	-	U	ug/l	1	-	U	ug/l	1	-	U	ug/l	1
Ethylbenzene	-	U	ug/l	1	-	U	ug/l	1	-	U	ug/l	1
o-Xylene	-				-	U	ug/l	1	-	U	ug/l	1
m,p-Xylene	-				-				-			
LEAD												
Lead	4.1		ug/l	2	-	U	ug/l	3	-	U	ug/l	3
PNA COMPDS												
1-Methylnaphthalene	-	U	ug/l	2	-	U	ug/l	5	-	U	ug/l	5
TOTAL PETROLEUM HYDROCARBON												
Total petroleum hydrocarbon	-	U	mg/l	1	-	U	mg/l	1	-	U	mg/l	1

N: 241

PC&L Laboratories, Inc.

210 Park Road, Oviedo, Fl 32765
407-359-7194 (FAX) 407-359-7197

Chain of Custody

Work Order: _____

Date: 10/2/96 Page 1 of 1

COMPANY: ABB-ES
ADDRESS: ORLANDO, FL
SAMPLED BY: SCOTT DONELICK
SIGN: [signature] PHONE NO: 895-8845

#	SAMPLE ID.	DATE/TIME	MATRIX	EPA 601	EPA 602	EPA 610	EPA 239.2 (Pb)	EPA 504 (EDB)	EPA 418.1 (TRPH)	NUMBER OF CONTAINERS
1	006RB101/RB-1	10-1-96/0804	H_2O	2	2	1	1	2	1	9
2	006GM401/2278MW4	/0950		2	2	1	1	2	1	9
3	006GM501/2273MW5	/1021		2	2	1	1	2	1	9
4	006GD101/2273DW1	/1140		2	2	1	1	2	1	9
5	0176M102/2036MW1	/1238			2	1	1		1	5
6	0176M202/2036MW2	/1531			2	1	1		1	5
7	0176M302/2036MW3	/1500			2	1	1		1	5
8	0176M402/2036MW4	/1440			2	1	1		1	5
9	0176M502/2036MW5	/1415			2	1	1		1	5
10	0176D102/2056DW1	/1336			2	1	1		1	5
11	TRIP			1	1					1
12										
13				ONE VOA FOR BOTH						

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME
1: [signature]	10/2/96 0930	1: [signature]	1400 10/2/96
2:		2:	
3:		3:	

SPECIAL INSTRUCTIONS/COMMENTS:

PROJECT INFORMATION

PROJECT NAME: NTC ORLANDO
PROJECT #: 8519-51
SITE ADDRESS: NTC ORLANDO
PROJECT MANAGER: JOHN KAISER
INVOICE TO: (IF DIFFERENT FROM ABOVE)
Attn: Lorena Kandt

SAMPLE RECEIPT

Total No. of Containers
Chain of Custody Seals
Rec'd Good Condition/Cold
PO#:
SHIPPED VIA:

№ 2 54

PC&B Laboratories, Inc.

210 Park Road, Oviedo, Fl 32765
407-359-7194 (FAX) 407-359-7197

Chain of Custody

Work Order: 9612266

Date: 12-9-96 Page 1 of 1

COMPANY: ABB-ES
ADDRESS: 1080 WOODCOCK ROAD SUITE 100
ORLANDO, FL 32803
SAMPLED BY: SCOTT DONELIK
SIGN: Scott Donelik PHONE NO: 895-8845

ANALYSIS REQUEST

#	SAMPLE ID.	DATE/TIME	MATRIX	EPA 601/602	EPA 504 (EDB)	EPA 610	EPA 239.2 (Pb)	EPA 418.1 (TRPH)	NUMBER OF CONTAINERS
1	006GM601/2273 MW6	12-9-96 / 1152	H_2O	2	2	1	1	1	7
2	006GM701/2273 MW7	12-9-96 / 1125	↓	2	2	2	1	1	8
3	006GD201/2273 DW2	12-9-96 / 1232	↓	2	2	1	1	1	7
4	006GD301/2273 DW3	12-9-96 / 1320	↓	2	2	1	1	1	7
5	006RB201/2273 RB2	12-9-96 / 1014	↓	2	2	1	1	1	7
6	TRIP BLANK	— —	↓	1					1
7									
8									
9									
10									
11									
12									
13									

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME
1: D. Bennett	12/7/96	1: A. Donelik	12-6-96
2: Scott Donelik	12/9/96	2: D. Bennett	12/9/96
3:		3:	

SPECIAL INSTRUCTIONS/COMMENTS:

PROJECT INFORMATION

PROJECT NAME: NTC ORLANDO
PROJECT #: 8519-58
SITE ADDRESS: NTC ORLANDO
ORLANDO, FL
PROJECT MANAGER: JOHN KAISER
INVOICE TO: (IF DIFFERENT FROM ABOVE) ATTN: LORENA KANDT

SAMPLE RECEIPT

Total No. of Containers
Chain of Custody Seals
Rec'd Good Condition/Cold
PO#:
SHIPPED VIA:

PC B Laboratories, Inc.

210 Park Road, Oviedo, Fl 32765
407-359-7194 (FAX) 407-359-7197

Chain of Custody

Work Order: 97015 2

Date: 1-2-97 Page 1 of 1

COMPANY: ABB-ES
ADDRESS: 1080 Woodcock Rd. Suite 100, Orlando, FL 32803
SAMPLED BY: SCOTT DONELICK
SIGN: Scott Donelick PHONE NO: 895-8845

ANALYSIS REQUEST

#	SAMPLE ID.	DATE/TIME	MATRIX	EPA 601/602	EPA 610	EPA 504 (EDB)	EPA 418.1 (TRPH)	EPA 239.2 (Pb)	NUMBER OF CONTAINERS
1	006GD102/2273 DW-1	1-2-97/0930	H_2O	2					2
2	006GD202/2278 DW-2	/0940		2					2
3	006GD302/2273 DW-3	/1004		2					2
4	022RB101/220 RB-1	/0810		2	1	2	1	1	7
5	022GM102/220 MW-1	/1150		2	1	2	1	1	7
6	022GM202/220 MW-2	/1227		2	1	2	1	1	7
7	022GM302/220MW-3	/1157		2	1	2	1	1	7
8	023GM102/222 MW-1	/1054		2	1	2	1	1	7
9	023GM202/222 MW-2	/1130		2	1	2	1	1	7
10	023GM302/222 MW-3	/1102		2	1	2	1	1	7
11	TRIP			1					1
12									
13									

701005

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME
1: Scott Donelick	1600 1-2-97	1: [illegible]	1/2/97
2:		2:	
3:		3:	

SPECIAL INSTRUCTIONS/COMMENTS:

PROJECT INFORMATION
PROJECT NAME: NTC ORLANDO
PROJECT #: 8545.58
SITE ADDRESS: NTC ORLANDO
PROJECT MANAGER: JOHN KAISER
INVOICE TO: (IF DIFFERENT FROM ABOVE) ATTN: LORENA KANDT

SAMPLE RECEIPT
Total No. of Containers
Chain of Custody Seals
Rec'd Good Condition/Cold
PO#:
SHIPPED VIA: P/U