7084-30

February 2, 1992

Mr. Sri Maddineni, P.E.
Project Manager
Bureau of Hazardous Site Control
Division of Hazardous Waste Remediation
New York State Department of Environmental Conservation
50 Wolf Road
Albany, New York 12233

SUBJECT: Initial Environmental Sampling Results
Great Lakes Carbon, Site No. 932016
Work Assignment No. D002472-6.1

Dear Mr. Maddineni:

Please find enclosed one copy of the Initial Environmental Sampling Results for the Task 3 field investigation conducted at the Great Lakes Carbon site. This package includes a draft sampling location map, sample data records, boring logs, monitoring well installation diagrams, and the analytical data package. Also, because the survey for this site has been completed, a copy of the Survey Control Report and map are included.

The analytical data package consists of three sets of data: Table 1, the raw, unvalidated laboratory data; Table 2, the validated laboratory data; and Table 3, the summary of validated data. Also included with the analytical data package is a data validation summary and data useability report.

If you have any questions regarding this package, please do not hesitate to call me (ext. 3372) or Glenn Daukas (ext. 3376) at (207) 775-5401.

Sincerely,

ABB ENVIRONMENTAL SERVICES

Cornelia B. Morin

Cornelia B. Morin
Site Manager

cc: M. Hinton NYSDEC Region 9 w/attachment
G. Daukas W. Weber File

JHF/CVRDUMP.ltr/GL2

110 Free Street
Post Office Box 7050
Portland, Maine 04112-7050
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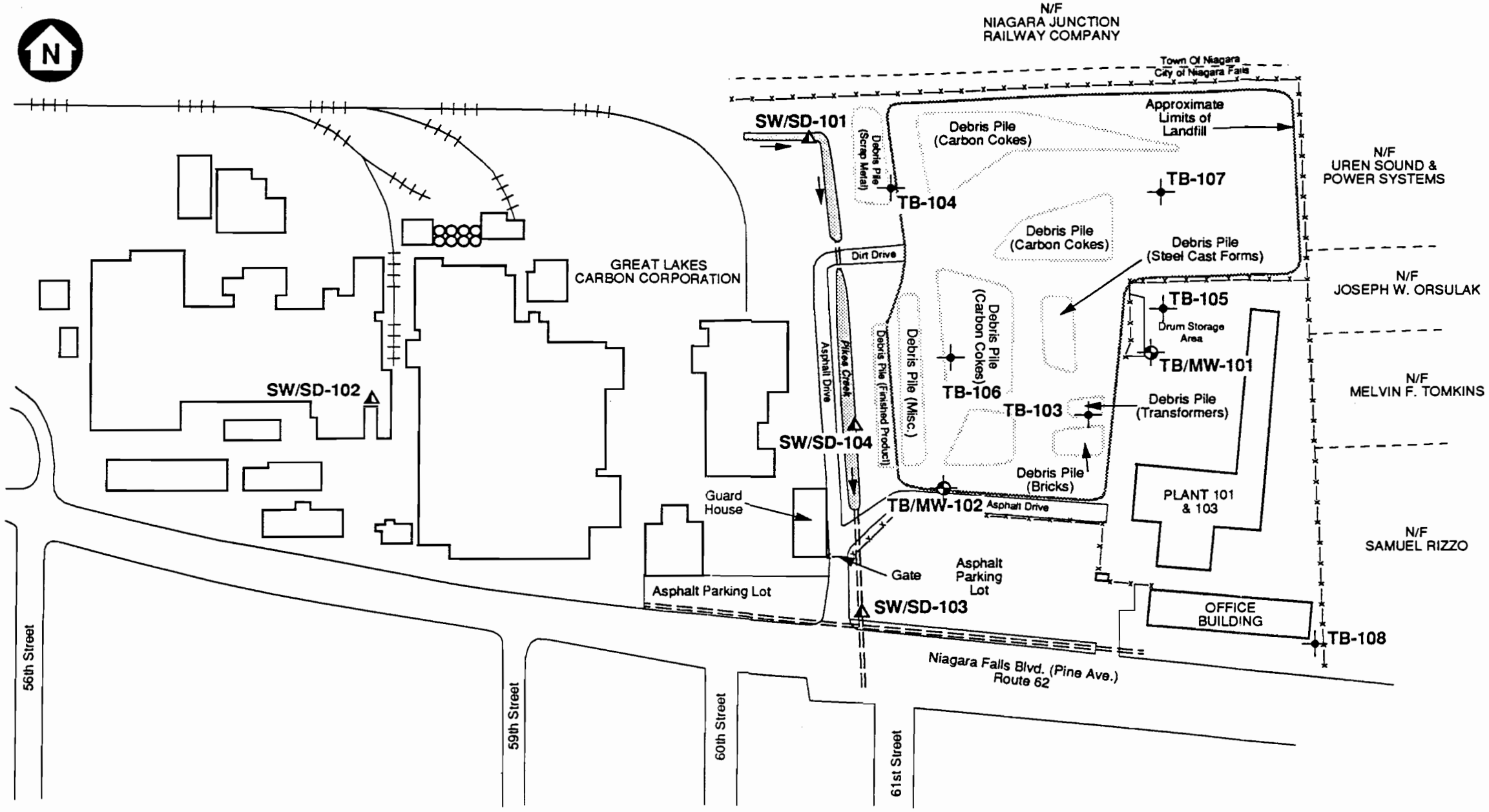


NOTES:

1. ALL LOCATIONS ON MAP ARE BASED ON A SCALED COORDINATE SYSTEM FROM THE U.S.G.S. QUADRANGLE TONAWANDA WEST.
2. ALL PROPERTY LINE AND R.O.W. INFORMATION SHOWN ON MAP WAS DETERMINED BY CURRENT TAX MAP INFORMATION ONLY.
3. BUILDINGS TO WEST OF GUARD HOUSE WERE NOT SURVEYED AND ARE BASED ON SITE PLANS FROM PRIOR INVESTIGATIONS.
4. SW/SD-102 WAS NOT SURVEYED, LOCATION IS APPROXIMATE.
5. N/F = NOW OR FORMERLY.

LEGEND

- MONITORING WELL LOCATION
- SURFACE WATER/SEDIMENT SAMPLE
- TEST BORING

APPROXIMATE SCALE IN FEET

0 200 400

FIGURE 2
SITE PLAN
GREAT LAKES CARBON SITE
NEW YORK STATE DEC

ABB Environmetal Services

9301060D

Team #1

YSI #4

FIELD INSTRUMENTATION & MATERIAL QUALITY ASSURANCE RECORD

Project 7054-30 Site Great Lakes

Project No. NYS DEC Sampler Signature J. Plowucky

Date 10-26

Field Instrumentation Calibration Data

Equipment Type/I.D.	Battery Condition	Calibration Information
YSI #4	Good	pH 4 4.01 pH 7 7.00 pH 10 ____
Model 3500	____	pH 4 ____ pH 7 6.99 ~~pH 10 ____~~ after sloping
____	____	pH 4 ____ pH 7 ____ pH 10 ____
Cal. Lot# H050	____	Cond. Std. 200 / 210 Cond. Std. ____/____
SN: H8000114	____	Cond. Std. ____/____ Cond. Std. ____/____
____	____	Cond. Std. ____/____ Cond. Std. ____/____
Dissolved Oxygen		
____	____	Avg. Winkler Value ____ppm Meter Value ____ppm
Redox		
____	____	Zobell Sol. Value ____ Meter Value ____
Photoionization Meter		
____	____	Zero/Zero Air? ☐ Yes ☐ No Span Gas Value ____ppm Equiv.
		Meter Value ____ppm Equiv.
____	____	Zero/Zero Air? ☐ Yes ☐ No Span Gas Value ____ppm Equiv.
		Meter Value 1 ppm Equiv.
Other		
____	____	____

Fluids/Materials Record

Deionized Water Source: ✓ ECJ Staging Portable System Other

Trip Blank Water Source: ____ ECJ Lab; Lot No. ____

✓ Other; Type Laboratory Supplied ID ____

Decontamination Fluids: ____ Methyl Hydrate; Lot No. ____

✓ Other; Type Liquinox ID ____

HNO_3/DI Rinse Solution: ____ ECJ Staging; Lot No. ____

Filtration Paper ID: (In Line) Manuf/Type ____ Lot No. ____/____

(Vacuum) Manuf/Type ____ Lot No. ____/____

Chemicals Used: HNO_3 Lot No. ____ ZnAOC Lot No. ____

H_2SO_4 Lot No. ____ Other ~~Lot No.~~ Pre-preserved containers w/

HCL Lot No. ____ Other Lot No. ____ HNO_3 + NaOH

NaOH Lot No. ____

E.C. JORDAN, CO.

91051070

FIELD INSTRUMENTATION & MATERIAL QUALITY ASSURANCE RECORD

Project PSA 6 Site Great Lakes

Project No. 7084-30 Sampler Signature J Connolly

Date 10/27/92

Field Instrumentation Calibration Data

Equipment Type/I.D.	Battery Condition	Calibration Information
~~TIP # 7~~	~~Chg~~	pH 4 ____ pH 7 ____ pH 10 ____
~~TIP # 13~~	~~Chg~~	pH 4 ____ pH 7 ____ pH 10 ____
YSI # 4		pH 4 4.01 pH 7 7.00 pH 10 ____
SN: H8000114	Good	Cond. Std. ____/____ Cond. Std. ____/____ Cond Lot # 72225
		Cond. Std. ____/____ Cond. Std. ____/____
		Cond. Std. ____/____ Cond. Std. ____/____

7 buffer lot # 31211
4 buffer lot # 31130
7 Standard std

Dissolved Oxygen

		Avg. Winkler Value ____ppm Meter Value ____ppm

Redox

		Zobell Sol. Value ____ Meter Value ____

Photoionization Meter

TIP # 7	~~Chg~~	Zero/Zero Air? ☐ Yes ☒ No Span Gas Value/100 ppm Equiv.
		Meter Value ____ppm Equiv.
TIP # 13	~~Chg~~	Zero/Zero Air? ☐ Yes ☒ No Span Gas Value/100 ppm Equiv.
		Meter Value 1 ppm Equiv.

Other

Fluids/Materials Record

Deionized Water Source: ✓ ECJ Staging Portable System Other

Trip Blank Water Source: ____ ECJ Lab; Lot No. ____

____ Other; Type ____ ID ____

Decontamination Fluids: ____ Methyl Hydrate; Lot No. ____

✓ Other; Type Liquinox Soln ~~DI~~ wid potable H2O (Niagra Falls, NY)

HNO_3/DI Rinse Solution: ____ ECJ Staging; Lot No. ____

Filtration Paper ID: (In Line) Manuf/Type ____ Lot No. ____/____

(Vacuum) Manuf/Type ____ Lot No. ____/____

Chemicals Used: HNO_3 Lot No. ____ ZnAOC Lot No. ____

H_2SO_4 Lot No. ____ Other ~~Lot No?~~ Pre-preserved containers from lab

HCL Lot No. ____ Other Lot No. ____

NaOH Lot No. ____

E.C. JORDAN, CO.

91051070

FIELD INSTRUMENTATION & MATERIAL QUALITY ASSURANCE RECORD

Project 7084-30 Site Great Lakes Carbon

Project No. NYSDEC Sampler Signature J Connolly

Date 10-28-92

Field Instrumentation Calibration Data

Equipment Type/I.D.	Battery Condition	Calibration Information
YSI #4		pH 4 ____ pH 7 ____ pH 10 ____
SN: H8000014	Good	pH 4 4.01 pH 7 7.01 pH 10 ____
		pH 4 ____ pH 7 ____ pH 10 ____
		Cond. Std. 762 / ____ Cond. Std. ____ / ____
		Cond. Std. ____ / ____ Cond. Std. ____ / ____
		Cond. Std. ____ / ____ Cond. Std. ____ / ____

→ ~~Soln~~ Buffers
pH 7 = 31241
pH 4 = 31130

-lot# 72225
718 std.

Dissolved Oxygen

		Avg. Winkler Value ____ppm Meter Value ____ppm

Redox

		Zobell Sol. Value ____ Meter Value ____

Photoionization Meter

		Zero/Zero Air? ☐ Yes ☐ No Span Gas Value ____ppm Equiv.
		Meter Value ____ppm Equiv.
		Zero/Zero Air? ☐ Yes ☐ No Span Gas Value ____ppm Equiv.
		Meter Value ____ppm Equiv.

Other

Fluids/Materials Record

Deionized Water Source: ___ ECJ Staging Portable System Other

Trip Blank Water Source: ____ ECJ Lab; Lot No. ____

___ Other; Type ____ ID ____

Decontamination Fluids: ___ Methyl Hydrate; Lot No. ____

___ Other; Type ...ionox soln and potable H_2O (N. agra Falls)

HNO_3/DI Rinse Solution: ___ ECJ Staging; Lot No. ____

Filtration Paper ID: (In Line) Manuf/Type ____ Lot No. ____/____

(Vacuum) Manuf/Type ____ Lot No. ____/____

Chemicals Used: HNO_3 Lot No. ____ ZnAOC Lot No. ____

H_2SO_4 Lot No. ____ Other ~~Lot No.~~ Pre-preserved containers

HCL Lot No. ____ Other Lot No. from lab.

NaOH Lot No. ____

E.C. JORDAN, CO.

FIELD INSTRUMENTATION & MATERIAL QUALITY ASSURANCE RECORD

Project 7084-3C Site PSA-6 Great Lakes Carbon

Project No. 7084-3C Sampler Signature Rick Butler

Date 11/16/92

Field Instrumentation Calibration Data

Equipment Type/I.D.	Battery Condition	Calibration Information
YSI 3500 # H8000111	OK	pH 4 ✓ pH 7 ✓ pH 10 ____
YSI 3500 # H8000114	OK	pH 4 ✓ pH 7 ✓ pH 10 ____
____	____	pH 4 ____ pH 7 ____ pH 10 ____
YSI 3500 # H8000111	OK	Cond. Std. 200 / ~~1413~~ Cond. Std. ____ / ____
YSI 3500 # H8000114	OK	Cond. Std. 200 / 205 Cond. Std. ____ / ____
____	____	Cond. Std. ____ / ____ Cond. Std. ____ / ____
Dissolved Oxygen		
N/A	____	Avg. Winkler Value ____ ppm Meter Value ____ ppm
Redox		
N/A	____	Zobell Sol. Value ____ Meter Value ____
Photoionization Meter		
TIP #13 (# 0274107)	OK	Zero/Zero Air? ☐ Yes ☒ No Span Gas Value 100 ppm Equiv.
		Bkgd = -3.0 Meter Value 103.5 ppm Equiv.
____	____	Zero/Zero Air? ☐ Yes ☐ No Span Gas Value ____ ppm Equiv.
		Meter Value ____ ppm Equiv.
Other		
HACH 2100P Turbidity # 911100341	OK	10 std = 8.8 1000 std = 994
		100 std = 93.9 0 std = 0.12

Fluids/Materials Record

Deionized Water Source: ✓ (ECJ Staging) Portable System Other

Trip Blank Water Source: ____ ECJ Lab; Lot No. ____

____ Other; Type ____ ID ____

Decontamination Fluids: ____ Methyl Hydrate; Lot No. ____

✓ Other; Type Liquinox ID ____

HNO_3/DI Rinse Solution: ____ ECJ Staging; Lot No. ____

Filtration Paper ID: (In Line) Manuf/Type ____ Lot No. ____ / ____

(Vacuum) Manuf/Type ____ Lot No. ____ / ____

Chemicals Used: HNO_3 Lot No. ____ ZnAOC Lot No. ____

H_2SO_4 Lot No. ____ Other Lot No. ____

HCL Lot No. ____ Other Lot No. ____

NaOH Lot No. - NITEST

HNO_3 - NITEST

E.C. JORDAN, CO.

SW/SD -101

SURFACE WATER AND SEDIMENT FIELD SAMPLE DATA RECORD

Project: NYSDEC
Project Number: 7084-30
Sample Location ID: SW/SD-101
Time: Start: 1330 End: 1500

Site: Great Lake Carbon
Date: 10-26-92
Signature of Sampler: _____

SURFACE WATER INFORMATION

TYPE OF SURFACE WATER:
[✓] STREAM [ ] RIVER
[ ] POND/LAKE [ ] SEEP

WATER DEPTH ~~AND~~ AT SAMPLE LOCATION 0.5 (ft)

DEPTH OF SAMPLE FROM TOP OF WATER Surface (ft)

EQUIPMENT USED FOR COLLECTION:
[✓] NONE, GRAB INTO BOTTLE
[ ] BOMB SAMPLER
[ ] PUMP _____

DECONTAMINATION FLUIDS USED:
✓ ALL USED
[ ] ETHYL ALCOHOL
[ ] 25% METHANOL/ 75% ASTM TYPE II WATER
[ ] DEIONIZED WATER
[✓] LIQUINOX SOLUTION
[ ] HEXANE
[ ] HNO_3 SOLUTION
[✓] POTABLE WATER
[ ] NONE

VELOCITY MEASUREMENTS OBTAINED? [ ] YES, SEE FLOW MEASUREMENT DATA RECORD _____

TEMPERATURE 8.3 Deg. C. SPEC. COND. ~~585~~ TPC 1072 µmhos/cm pH 8.08 Units DISS. O_2 _____ ppm

FIELD GC DATA: [ ] FIELD DUPLICATE COLLECTED
DUPLICATE ID None

SAMPLE LOCATION SKETCH:
[✓] YES
[ ] ~~NO~~ (JPC)

METHOD USED:
[ ] WINKLER
[✓] PROBE

SEDIMENT INFORMATION

DEPTH OF SEDIMENT SAMPLE .4 (ft)

EQUIPMENT USED FOR COLLECTION:
[ ] GRAVITY CORER
[ ] S.S. SPLIT SPOON
[ ] DREDGE
[✓] HAND SPOON
[ ] ALUMINUM PANS
[✓] SS BUCKET
[ ] _____

TYPE OF SAMPLE COLLECTED:
[✓] DISCRETE
[ ] COMPOSITE

SAMPLE OBSERVATIONS:
[ ] ODOR _____
[ ] COLOR Black/grey
[ ] _____

DECONTAMINATION FLUIDS USED:
✓ ALL USED
[ ] ETHYL ALCOHOL
[ ] 25% METHANOL/ 75% ASTM TYPE II WATER
[ ] DEIONIZED WATER
[✓] LIQUINOX SOLUTION
[ ] HEXANE
[ ] HNO_3 SOLUTION
[✓] POTABLE WATER
[ ] NONE

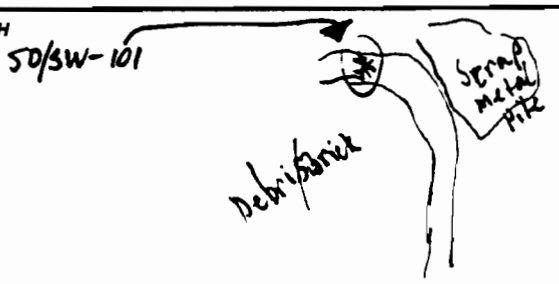
SEDIMENT TYPE:
[✓] CLAY
[ ] SAND
[✓] ORGANIC
[ ] GRAVEL

FIELD GC DATA: [ ] FIELD DUPLICATE COLLECTED
DUPLICATE ID None

SAMPLES COLLECTED

✓ IF REQUIRED AT THIS LOCATION	MATRIX: SURFACE WATER	MATRIX: SEDIMENT	✓ IF PRESERVED WITH ACID-BASE	VOLUME REQUIRED	✓ IF SAMPLE COLLECTED	SAMPLE BOTTLE IDS
[✓] VOC	[✓]	[ ]	[ ]	2-40 ml	[✓]	54 / 55
[✓] SVOC	[✓]	[ ]	[ ]	2-80 oz.	[✓]	56 / 57
[✓] Inorg	[✓]	[ ]	[ ]	1 QT	[✓]	58 / ~~54~~ TPH
[✓] CYANIDE	[✓]	[ ]	[ ]	1 PT	[✓]	59 /
[✓] VOC	[ ]	[✓]	[ ]	2-4 oz	[✓]	37 / 38
[✓] SVOC, Pest, PCB	[ ]	[✓]	[ ]	1-8 oz.	[✓]	39 /
[ ]	[ ]	[ ]	[ ]		[✓]	

NOTES/SKETCH



SURFACE WATER AND SEDIMENT FIELD SAMPLE DATA RECORD

Project: NYSDEC
Project Number: 7084-30
Sample Location ID: SW/SD-~~103~~ 102
Time: Start: 1600 End: 1700

Site: Great Lake Cambrian
Date: 10-26-92
Signature of Sampler: Connolly

SURFACE WATER INFORMATION

WATER DEPTH ~~AND~~ AT SAMPLE LOCATION 2" (ft)

DEPTH OF SAMPLE FROM TOP OF WATER Drain Runoff as it enters sump (ft)

TYPE OF SURFACE WATER:
[ ] STREAM [ ] RIVER
[ ] POND/LAKE [ ] SEEP
[✓] Other: Sump from drain in Bldg. 8

EQUIPMENT USED FOR COLLECTION:
[ ] NONE, GRAB INTO BOTTLE
[ ] BOMB SAMPLER
[ ] PUMP [✓] Other: SS Bucket

DECONTAMINATION FLUIDS USED:
[✓] ALL USED
[ ] ETHYL ALCOHOL
[ ] 25% METHANOL/ 75% ASTM TYPE II WATER
[✓] DEIONIZED WATER
[✓] LIQUINOX SOLUTION
[ ] HEXANE
[ ] HNO_3 SOLUTION
[✓] POTABLE WATER
[ ] NONE

VELOCITY MEASUREMENTS OBTAINED? [ ] YES, SEE FLOW MEASUREMENT DATA RECORD

TEMPERATURE 21.1 Deg. C. SPEC. COND. 286 µmhos/cm pH 8.48 Units DISS. O_2 ~~____~~ ppm

FIELD GC DATA: [ ] FIELD DUPLICATE COLLECTED
DUPLICATE ID None

SAMPLE LOCATION SKETCH:
[✓] YES
[ ] NO

METHOD USED:
[ ] WINKLER
[ ] PROBE

SEDIMENT INFORMATION

DEPTH OF SEDIMENT SAMPLE 3" (ft)

EQUIPMENT USED FOR COLLECTION:
[ ] GRAVITY CORER
[ ] S.S. SPLIT SPOON
[ ] DREDGE
[✓] HAND SPOON
[ ] ALUMINUM PANS
[ ] SS BUCKET
[ ] _____

TYPE OF SAMPLE COLLECTED:
[✓] DISCRETE
[ ] COMPOSITE

SAMPLE OBSERVATIONS:
[ ] ODOR
[✓] COLOR Black Granules
[ ] _____

DECONTAMINATION FLUIDS USED:
[✓] ALL USED
[ ] ETHYL ALCOHOL
[ ] 25% METHANOL/ 75% ASTM TYPE II WATER
[✓] DEIONIZED WATER
[✓] LIQUINOX SOLUTION
[ ] HEXANE
[ ] HNO_3 SOLUTION
[✓] POTABLE WATER
[ ] NONE

SEDIMENT TYPE:
[ ] CLAY
[✓] SAND - Coarse
[ ] ORGANIC
[✓] ~~GRAVEL~~ JPC

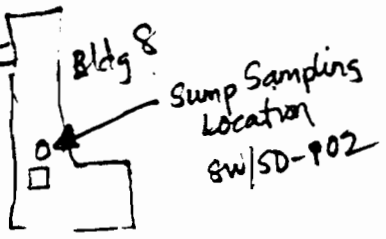
FIELD GC DATA: [ ] FIELD DUPLICATE COLLECTED
DUPLICATE ID None

SAMPLES COLLECTED

✓ IF REQUIRED AT THIS LOCATION	MATRIX: SURFACE WATER	MATRIX: SEDIMENT	✓ IF PRESERVED WITH ACID-BASE	VOLUME REQUIRED	✓ IF SAMPLE COLLECTED	SAMPLE BOTTLE IDS
[✓] VOC	[✓]	[ ]	[ ]	2-40ml	[✓]	60 / 61
[✓] SVOC	[✓]	[ ]	[ ]	2-50 ml	[✓]	62 / 63
[✓] INORG	[✓]	[ ]	[ ]	1 qt	[✓]	64
[ ] VOC	[ ]	[ ]	[ ]	~~1-40ml~~	[✓] JPC	
[ ] SVOC/PEST	[ ]	[ ]	[ ]	1-40ml	[✓] JPC	
[✓] Cyanide	[✓]	[ ]	[ ]	1-PP	[✓]	
[✓] RCRA Char. (+ EP Tox (pyc tals))	[ ]	[✓]	[ ]	1-8oz jar	[✓]	65 / 52

NOTES/SKETCH

PID Tip at ambient ~~5~~ JPC
PID Tip at sump ~~2.2~~ JPC
0.2 (for both)



SURFACE WATER AND SEDIMENT FIELD SAMPLE DATA RECORD

Project: NYSDEC - Site: Great Lakes (Tonawanda)
Project Number: 7054-30 Date: 10-27-92
Sample Location ID: SW/SED-103
Time: Start: 0800 End: 0945 Signature of Sampler: [signature]

SURFACE WATER INFORMATION

TYPE OF SURFACE WATER:
[ ] STREAM [ ] RIVER
[ ] POND/LAKE [ ] SEEP

WATER DEPTH AND SAMPLE LOCATION 1 (ft) ✓ - Manhole

DEPTH OF SAMPLE FROM TOP OF WATER Surface (ft)

EQUIPMENT USED FOR COLLECTION:
[ ] NONE, GRAB INTO BOTTLE
[ ] BOMB SAMPLER
[ ] PUMP [✓] SS Bucket

DECONTAMINATION FLUIDS USED:
✓ ALL USED
[ ] ETHYL ALCOHOL
[ ] 25% METHANOL/ 75% ASTM TYPE II WATER
[✓] DEIONIZED WATER
[✓] LIQUINOX SOLUTION
[ ] HEXANE
[ ] HNO_3 SOLUTION
[✓] POTABLE WATER
[ ] NONE

VELOCITY MEASUREMENTS OBTAINED? [ ] YES, SEE FLOW MEASUREMENT DATA RECORD

TEMPERATURE 17.6 Deg. C. SPEC. COND. 472 µmhos/cm pH 7.92 Units DISS. O_2 / ppm

FIELD GC DATA: [ ] FIELD DUPLICATE COLLECTED
DUPLICATE ID SW/SED-103 DUP

SAMPLE LOCATION SKETCH:
[✓] YES
[ ] NO

METHOD USED:
[ ] WINKLER
[ ] PROBE

SEDIMENT INFORMATION

DEPTH OF SEDIMENT SAMPLE 0-18" (ft)

EQUIPMENT USED FOR COLLECTION:
[ ] GRAVITY CORER
[ ] S.S. SPLIT SPOON
[ ] DREDGE
[ ] HAND SPOON
[ ] ALUMINUM PANS
[✓] SS BUCKET
[✓] SS Bucket Auger

TYPE OF SAMPLE COLLECTED:
[✓] DISCRETE
[ ] COMPOSITE

SAMPLE OBSERVATIONS:
[✓] ODOR Graphite / Oil
[✓] COLOR Black w/ sheen
[ ] _____

DECONTAMINATION FLUIDS USED:
✓ ALL USED
[ ] ETHYL ALCOHOL
[ ] 25% METHANOL/ 75% ASTM TYPE II WATER
[✓] DEIONIZED WATER
[✓] LIQUINOX SOLUTION
[ ] HEXANE
[ ] HNO_3 SOLUTION
[✓] POTABLE WATER
[ ] NONE

SEDIMENT TYPE:
[ ] CLAY
[✓] SAND - coarse
[ ] ORGANIC
[ ] GRAVEL
[✓] carbon/graphite

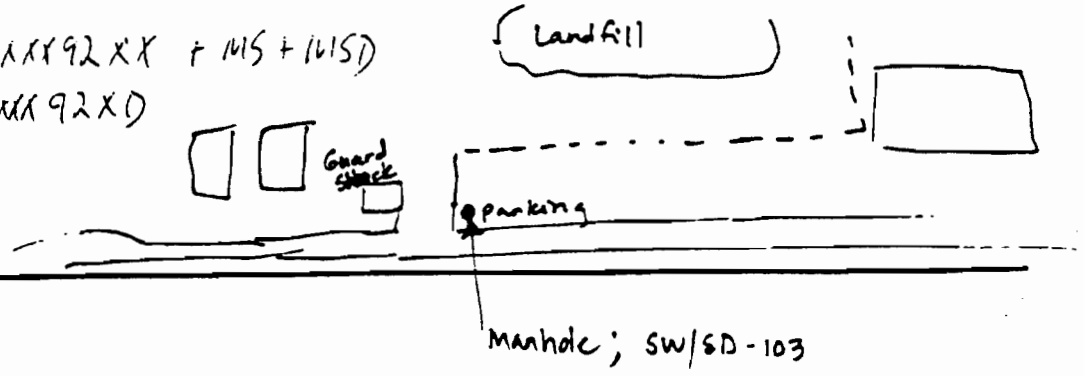
FIELD GC DATA: [ ] FIELD DUPLICATE COLLECTED
DUPLICATE ID _____

SAMPLES COLLECTED

✓ IF REQUIRED AT THIS LOCATION	MATRIX: SURFACE WATER	MATRIX: SEDIMENT	✓ IF PRESERVED WITH ACID-BASE	VOLUME REQUIRED	✓ IF SAMPLE COLLECTED	SAMPLE BOTTLE IDS
[✓] VOC	[✓]	[ ]	[ ]	2 - 40 mL	[✓]	66 / 67 / 72 / 73 78 79 84
[✓] SVOC/PCB	[✓]	[ ]	[ ]	2 - 1 L	[✓]	68 / 69 / 74 / 75 80 81 85
[✓] Metals	[✓]	[ ]	[✓]	1 - 8 oz	[✓]	70 / 76 / 87 / 88
[✓] Cyanide	[✓]	[ ]	[✓]	1 - 8 oz	[✓]	71 / 77 / 89 / 91
[ ]	[ ]	[ ]	[ ]		[ ]	/ / /
[✓] VOC	[ ]	[✓]	[ ]	2 - 40 mL	[✓]	46 / 51 / 47 / 48 46 47 49
[✓] SVOC, PCB, Pest	[ ]	[✓]	[ ]	1 - 8 oz	[✓]	42 / 43 / 44 / STERN

NOTES/SKETCH

GL SW/SD 103 XX 92 XX + MS + MSD
GL SW/SD 103 XX 92 XD



SURFACE WATER AND SEDIMENT FIELD SAMPLE DATA RECORD

Project: NYSDEC PSA-6 Site: Great Lakes Carbon
Project Number: 7084-30 Date: 10/29/92
Sample Location ID: GLSW104XXX92XX / GLSD104XXX92XX
Time: Start: 0815 End: 0900 Signature of Sampler: Cornelia Mori

SURFACE WATER INFORMATION

TYPE OF SURFACE WATER:
[✓] STREAM [ ] RIVER
[ ] POND/LAKE [ ] SEEP

WATER DEPTH AND SAMPLE LOCATION 3" (ft)

DEPTH OF SAMPLE FROM TOP OF WATER 0 (ft)

EQUIPMENT USED FOR COLLECTION:
[ ] NONE, GRAB INTO BOTTLE
[ ] BOMB SAMPLER
[ ] ~~PUMP~~ SS BUCKET

DECONTAMINATION FLUIDS USED:
✓ ALL USED
[ ] ETHYL ALCOHOL
[ ] 25% METHANOL/ 75% ASTM TYPE II WATER
[✓] DEIONIZED WATER
[✓] LIQUINOX SOLUTION
[ ] HEXANE
[ ] HNO_3 SOLUTION
[✓] POTABLE WATER
[ ] NONE

VELOCITY MEASUREMENTS OBTAINED? [ ] YES, SEE FLOW MEASUREMENT DATA RECORD ______

TEMPERATURE ______ Deg. C. SPEC. COND. ______ µmhos/cm pH ______ Units DISS. O_2 ______ ppm

FIELD GC DATA: [ ] FIELD DUPLICATE COLLECTED
DUPLICATE ID ______

SAMPLE LOCATION SKETCH:
[X] YES
[ ] NO

METHOD USED:
[ ] WINKLER
[ ] PROBE

SEDIMENT INFORMATION

DEPTH OF SEDIMENT SAMPLE 0-6" (ft)

EQUIPMENT USED FOR COLLECTION:
[ ] GRAVITY CORER
[ ] S.S. SPLIT SPOON
[ ] DREDGE
[✓] HAND SPOON
[ ] ALUMINUM PANS
[ ] SS BUCKET
[ ] ______

TYPE OF SAMPLE COLLECTED:
[✓] DISCRETE
[ ] COMPOSITE

SAMPLE OBSERVATIONS:
[ ] ODOR ______
[ ] COLOR streaks of black
[ ] could be oily material

DECONTAMINATION FLUIDS USED:
✓ ALL USED
[ ] ETHYL ALCOHOL
[ ] 25% METHANOL/ 75% ASTM TYPE II WATER
[✓] DEIONIZED WATER
[✓] LIQUINOX SOLUTION
[ ] HEXANE
[ ] HNO_3 SOLUTION
[✓] POTABLE WATER
[ ] NONE

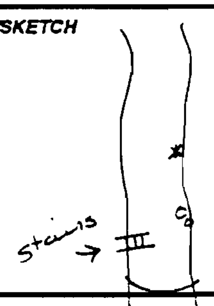
SEDIMENT TYPE:
[ ] CLAY
[X] SAND – FINE
[ ] ORGANIC
[ ] GRAVEL

FIELD GC DATA: [ ] FIELD DUPLICATE COLLECTED
DUPLICATE ID ______

SAMPLES COLLECTED

✓ IF REQUIRED AT THIS LOCATION	MATRIX: SURFACE WATER	MATRIX: SEDIMENT	✓ IF PRESERVED WITH ACID-BASE	VOLUME REQUIRED	✓ IF SAMPLE COLLECTED	SAMPLE BOTTLE IDS
[ ]	[ ]	[ ]	[ ]		[ ]	/ / /
[ ]	[ ]	[ ]	[ ]		[ ]	/ / /
[ ]	[ ]	[ ]	[ ]		[ ]	/ / /
[ ]	[ ]	[ ]	[ ]		[ ]	/ / /
[ ]	[ ]	[ ]	[ ]		[ ]	/ / /
[ ]	[ ]	[ ]	[ ]		[ ]	/ / /
[ ]	[ ]	[ ]	[ ]		[ ]	/ / /

NOTES/SKETCH



9202081D (b)

SURFACE WATER AND SEDIMENT FIELD SAMPLE DATA RECORD

Project: NYSDEC
Project Number: 7084-30
Sample Location ID: GS-001
Time: Start: 1000 End: 1020

Site: Great Lakes Carbon
Date: 10-27-92
Signature of Sampler: Connolly

Equipment Rinsate Blank

SURFACE WATER INFORMATION

TYPE OF SURFACE WATER:
[ ] STREAM [ ] RIVER
[ ] POND/LAKE [ ] SEEP

WATER DEPTH AND SAMPLE LOCATION _____ (ft)

DEPTH OF SAMPLE FROM TOP OF WATER _____ (ft)

EQUIPMENT USED FOR COLLECTION:
[ ] NONE, GRAB INTO BOTTLE
[ ] BOMB SAMPLER
[ ] PUMP _____
[✓] SS Bucket

DECONTAMINATION FLUIDS USED:
✓ ALL USED
[ ] ETHYL ALCOHOL
[ ] 25% METHANOL/ 75% ASTM TYPE II WATER
[ ] DEIONIZED WATER
[ ] LIQUINOX SOLUTION
[ ] HEXANE
[ ] HNO_3 SOLUTION
[ ] POTABLE WATER
[ ] NONE

VELOCITY MEASUREMENTS OBTAINED? [ ] YES, SEE FLOW MEASUREMENT DATA RECORD _____

TEMPERATURE _____ Deg. C. SPEC. COND. _____ µmhos/cm pH _____ Units DISS. O_2 _____ ppm

FIELD GC DATA: [ ] FIELD DUPLICATE COLLECTED
DUPLICATE ID _____

SAMPLE LOCATION SKETCH:
[ ] YES
[ ] NO

METHOD USED:
[ ] WINKLER
[ ] PROBE

SEDIMENT INFORMATION

DEPTH OF SEDIMENT SAMPLE _____ (ft)

EQUIPMENT USED FOR COLLECTION:
[ ] GRAVITY CORER
[ ] S.S. SPLIT SPOON
[ ] DREDGE
[ ] HAND SPOON
[ ] ALUMINUM PANS
[ ] SS BUCKET
[ ] _____

TYPE OF SAMPLE COLLECTED:
[ ] DISCRETE
[ ] COMPOSITE

SAMPLE OBSERVATIONS:
[ ] ODOR _____
[ ] COLOR _____
[ ] _____

DECONTAMINATION FLUIDS USED:
✓ ALL USED
[ ] ETHYL ALCOHOL
[ ] 25% METHANOL/ 75% ASTM TYPE II WATER
[ ] DEIONIZED WATER
[ ] LIQUINOX SOLUTION
[ ] HEXANE
[ ] HNO_3 SOLUTION
[ ] POTABLE WATER
[ ] NONE

SEDIMENT TYPE:
[ ] CLAY
[ ] SAND
[ ] ORGANIC
[ ] GRAVEL

FIELD GC DATA: [ ] FIELD DUPLICATE COLLECTED
DUPLICATE ID _____

SAMPLES COLLECTED

✓ IF REQUIRED AT THIS LOCATION	MATRIX: WATER	MATRIX: SEDIMENT	Equip. Rinsate for S.W. Samples	IF PRESERVED WITH ACID-BASE	VOLUME REQUIRED	✓ IF SAMPLE COLLECTED	SAMPLE BOTTLE IDS
[✓] VOC	[ ]	[ ]	✓	[ ]	2-40ml g. vials	[✓]	55 / 56 / /
[✓] SVOC/PCB-pest.	[ ]	[ ]	✓	[ ]	2-500ml g.	[✓]	57 / 58 / /
[✓] Inorgs.	[ ]	[ ]	✓	[✓]	1-qt. plastic	[✓]	59 / / /
[✓] CN	[ ]	[ ]	✓	[✓]	1-pt. plastic	[✓]	60 / / /
[ ]	[ ]	[ ]		[ ]		[ ]	/ / /
[ ]	[ ]	[ ]		[ ]		[ ]	/ / /
[ ]	[ ]	[ ]		[ ]		[ ]	/ / /

NOTES/SKETCH

GLBS001XXX92XX - equipment rinsate blank from SS bucket.

SURFACE WATER AND SEDIMENT FIELD SAMPLE DATA RECORD

Project: NYSDEC
Site: Great Lakes Carbon
Project Number: 7054-30
Date: 10-27-92
Sample Location ID: SS-002
Time: Start: 1000 End: 1020
Signature of Sampler: Donnelly

SURFACE WATER INFORMATION

TYPE OF SURFACE WATER:
[ ] STREAM [ ] RIVER
[ ] POND/LAKE [ ] SEEP

WATER DEPTH AND SAMPLE LOCATION _____ (ft)

DEPTH OF SAMPLE FROM TOP OF WATER _____ (ft)

EQUIPMENT USED FOR COLLECTION:
[ ] NONE, GRAB INTO BOTTLE
[ ] BOMB SAMPLER
[ ] PUMP _____

DECONTAMINATION FLUIDS USED:
✓ ALL USED
[ ] ETHYL ALCOHOL
[ ] 25% METHANOL/75% ASTM TYPE II WATER
[ ] DEIONIZED WATER
[ ] LIQUINOX SOLUTION
[ ] HEXANE
[ ] HNO_3 SOLUTION
[ ] POTABLE WATER
[ ] NONE

VELOCITY MEASUREMENTS OBTAINED? [ ] YES, SEE FLOW MEASUREMENT DATA RECORD _____

TEMPERATURE _____ Deg. C. SPEC. COND. _____ µmhos/cm pH _____ Units DISS. O_2 _____ ppm

FIELD GC DATA: [ ] FIELD DUPLICATE COLLECTED
DUPLICATE ID _____

SAMPLE LOCATION SKETCH:
[ ] YES
[ ] NO

METHOD USED:
[ ] WINKLER
[ ] PROBE

SEDIMENT INFORMATION

Equipment Rinsate Blank

DEPTH OF SEDIMENT SAMPLE _____ (ft)

EQUIPMENT USED FOR COLLECTION:
[ ] GRAVITY CORER
[ ] S.S. SPLIT SPOON
[ ] DREDGE
[✓] HAND SPOON (SS)
[ ] ALUMINUM PANS
[✓] SS BUCKET
[✓] SS Bucket Auger

TYPE OF SAMPLE COLLECTED:
[✓] DISCRETE
[ ] COMPOSITE

SAMPLE OBSERVATIONS:
[ ] ODOR _____
[ ] COLOR _____
[ ] _____

DECONTAMINATION FLUIDS USED:
✓ ALL USED
[ ] ETHYL ALCOHOL
[ ] 25% METHANOL/75% ASTM TYPE II WATER
[ ] DEIONIZED WATER
[ ] LIQUINOX SOLUTION
[ ] HEXANE
[ ] HNO_3 SOLUTION
[ ] POTABLE WATER
[ ] NONE

SEDIMENT TYPE:
[ ] CLAY
[ ] SAND
[ ] ORGANIC
[ ] GRAVEL

FIELD GC DATA: [ ] FIELD DUPLICATE COLLECTED
DUPLICATE ID _____

SAMPLES COLLECTED

✓ IF REQUIRED AT THIS LOCATION	MATRIX: SURFACE WATER	MATRIX: SEDIMENT	MATRIX: rinsate blank	✓ IF PRESERVED WITH ACID-BASE	VOLUME REQUIRED	✓ IF SAMPLE COLLECTED	SAMPLE BOTTLE IDS
[✓] VOCs	[ ]	[ ]	[✓]	[ ]	2-40 ml vials-unpres.	[✓]	63 / 64
[✓] SVOCs, P/P	[ ]	[ ]	[✓]	[ ]	2-60 cc in amber jars	[✓]	61 / 62
[✓] Inorgs	[ ]	[ ]	[✓]	[✓]	1 qt. plastic	[✓]	66
[✓] CN	[ ]	[ ]	[✓]	[✓]	1 pt. plastic	[✓]	65
[ ]	[ ]	[ ]	[ ]	[ ]		[ ]	
[ ]	[ ]	[ ]	[ ]	[ ]		[ ]	
[ ]	[ ]	[ ]	[ ]	[ ]		[ ]	

NOTES/SKETCH

6LQS002XXX02XX - equipment rinsate blank using
SS bucket
SS bucket auger
SS spoon

WELL DEVELOPMENT RECORD

Project: T-3A-6 GREAT LAKES CARBON	Well Installation Date: 10/26/92		Project No. 7084-30
Client: NYSDEC.	Well Development Date: 10/28/92	Logged by: C.B. Morin	Checked by:
Well/Site I.D.: MW-102	Weather: Clear, Sunny ± 40°F	Start Date: 10/28	Finish Date: 10/28
Initial Water Level (ft): 3.5		Start Time: 1110	Finish Time: 1145

Water Level during Initial Pumping/Purging (ft):
Bailed down to approx water level of 12'

Water Level at Termination of Pumping/Purging (ft):
Bailed down to approx 12' last purge.

	TIME	TEMP.	pH	Conductivity	Approximate Pumping Rate (gal/min)
BEGINING OF WELL DEVELOPMENT	1130	14.6	6.4	0.07	N/A
MIDDLE OF WELL DEVELOPMENT	1430	14.3	6.9	0.03	N/A
END OF WELL DEVELOPMENT	1645	14.4	7.4	0.02	N/A

NOTES:

Well developed solely by bailing. Slow recovery - too slow to pump.

NTU meter - readings > 1,000 until late in afternoon
NTU reading @ 1645 from 1st bailer taken from top of water column - 168.

Total volume purged approximately 60 gal

WELL DEVELOPER'S SIGNATURE Cynthia B. Morin

E.C.JORDAN CO.

9201165T

WELL DEVELOPMENT RECORD

Project: PSA-6 Great Lakes Carbon	Well Installation Date: 11/27/92		Project No. 2494-30
Client: NYSDEC	Well Development Date: 11/25/92	Logged by: CBT	Checked by:
Well/Site I.D.: MW-101	Weather: Clear + Sunny ≈ 45°F	Start Date: 11/27/92	Finish Date: 11/27/92
Initial Water Level (ft): 1'		Start Time: 1325	Finish Time: 1620
Water Level during Initial Pumping/Purging (ft): N/M			
Water Level at Termination of Pumping/Purging (ft): N/M			

	TIME	TEMP.	pH	Conductivity	Approximate Pumping Rate (gal/min)
BEGINING OF WELL DEVELOPMENT	1325 ~~1545~~	15.1	7.0	0.05	≈ 2
MIDDLE OF WELL DEVELOPMENT	1500	19.5	6.8	0.03	
END OF WELL DEVELOPMENT	1615	19.9	6.9	0.05	

NOTES:

Initially bailed. Good recovery so began pumping. Viscous sheen on purge water.

Pumped from 1415 - 1515. ~~Stop~~ NTU reading 14 Stopped pump

Resume pumping @ 1550 - Initial reading 155
Pumped 1550 - 1620. NTU = 7. Ceased well development.

WELL DEVELOPER'S SIGNATURE Carolin B. Thorn

E.C.JORDAN CO.

9201165T

GROUNDWATER FIELD SAMPLE DATA RECORD

Project: NYSDEC PSA-6
Project Number: 7084-30
Sample Location ID: mw-101
Time: Start: 1220 End: 1322

Site: Great Lakes Carbon
Date: 11/16/92
Signature of Sampler: A Decarolis

Water Level/Well Data

Well Depth 13.58 / 0.99 Ft. — ✓ Measured / ___ Historical
0.25 Top of Well / 0 Top of Protective Casing
Well Riser Stick-up ___ Ft. (from ground)
Protective .25 Ft. Casing/Well Difference
Protective 0 Ft. Casing

Depth to Water 0.99 Ft.
Well Material: ✓ PVC / ___ SS
Well Locked?: ✓ Yes / ___ No
Well Dia. ✓ 2 inch / ___ 4 inch / ___ 6 inch
Water Level Equip. Used: ✓ Elect. Cond. Probe / ___ Float Activated / ___ Press. Transducer

Height of Water Column 12 Ft. X ___ .16 Gal/Ft. (2 in.) / ___ .65 Gal/Ft. (4 in.) / ___ 1.5 Gal/Ft. (6 in.) / ___ Gal/Ft. (___ in.) = 1.92 Gal/Vol / ___ Total Gal Purged

Well Integrity:

	Yes	No
Prot. Casing Secure	✓	
Concrete Collar Intact	✓	
Other		

Equipment Documentation

Purging/Sampling Equipment Used:

(✓ If Used For) Purging	Sampling		Equipment ID
	✓	Peristaltic Pump	
	✓	Bailer	
	✓	PVC/Silicon Tubing	
		Teflon/Silicon Tubing	
		Airlift	
		Hand Pump	
		In-line Filter	
		Press/Vac Filter	
		Submersible Pump	

Decontamination Fluids Used: (✓ All That Apply at Location)
___ Methanol (100%)
___ 25% Methanol/75% ASTM Type II water
✓ Deionized Water
✓ Liquinox Solution
___ Hexane
___ HNO_3/D.I. Water Solution
___ Potable Water
___ None

Field Analysis Data

Ambient Air VOC ~2.6 ppm Well Mouth 2.6 ppm Field Data Collected ___ In-line / ✓ In Container

Sample Observations: ___ Turbid ___ Clear ___ Cloudy ___ Colored ___ Odor

Purge Data	@ 2 Gal.	@ 4 Gal.	@ 6 Gal.	@ ___ Gal.	@ ___ Gal.
Temperature, Deg. C	~~10.5~~ 11.3	11.4	11.6		
pH, units	~~5.6~~ 6.04	6.04	6.07		
Specific Conductivity (umhos/cm. @ 25 Deg. C.)	555 ~~55.5~~	996	1006		
Oxidation - Reduction, +/- mv					
Dissolved Oxygen, ppm					
Turbidity (NTU's)	26	15	11		

Sample Collection Requirements

(✓ If Required at this Location)

Analytical Parameter	✓ If Field Filtered	Preservation Method	Volume Required	✓ If Sample Collected	Sample Bottle IDs

Notes: Amb - 2.6
MS, MSD
Well head - 2.6
Dup

92020810 (a)

GROUNDWATER FIELD SAMPLE DATA RECORD

Project: NYSDEC PSA-6 Site: Great Lakes Cactus
Project Number: 7084-30 Date: 11/16/92
Sample Location ID: MW-102
Time: Start: 1125 End: 1215 Signature of Sampler: D. Decarlo

Water Level/Well Data

Well Depth 14 Ft. ✓ Measured ___ Historical
0.3 Top of Well
0 Top of Protective Casing
Well Riser Stick-up ~~0.3~~ Ft.
Protective 0.3 Ft. Casing/Well Difference
Protective 0 Ft. Casing

Depth to Water 3.64 Ft.
Well Material: ✓ PVC ___ SS
Well Locked?: ✓ Yes ___ No
Well Dia. ✓ 2 inch ___ 4 inch ___ 6 inch
Water Level Equip. Used: ✓ Elect. Cond. Probe ___ Float Activated ___ Press. Transducer

Height of Water Column 10 Ft. X ___.16 Gal/Ft. (2 in.) ___.65 Gal/Ft. (4 in.) ___1.5 Gal/Ft. (6 in.) ___ Gal/Ft. (___in.) = 1.6 Gal/Vol ___ Total Gal Purged

Well Integrity: Yes / No
Prot. Casing Secure: ✓ / ___
Concrete Collar Intact: ✓ / ___
Other: ___ / ___

Equipment Documentation

Purging/Sampling Equipment Used:

(✓ If Used For) Purging	Sampling		Equipment ID
✓	___	Peristaltic Pump	
✓	___	Bailer	
✓	___	PVC/Silicon Tubing	
___	___	Teflon/Silicon Tubing	
___	___	Airlift	
___	___	Hand Pump	
___	___	In-line Filter	
___	___	Press/Vac Filter	
___	___	Submersible Pump	
___	___		

Decontamination Fluids Used: (✓ All That Apply at Location)
___ Methanol (100%)
___ 25% Methanol/75% ASTM Type II water
✓ Deionized Water
✓ Liquinox Solution
___ Hexane
___ HNO_3/D.I. Water Solution
___ Potable Water
___ None
___ ___
___ ___

Field Analysis Data

Ambient Air VOC 0 ppm Well Mouth 0 ppm Field Data Collected ___ In-line ✓ In Container
Sample Observations: ___ Turbid ✓ Clear ___ Cloudy ___ Colored ___ Odor

Purge Data	@ 2 Gal.	@ 4 Gal.	@ 5 Gal.	@ 6 Gal.	@ ___ Gal.
Temperature, Deg. C	10.5	12.3		11.7	11.7
pH, units	6.13	6.32		6.37	6.39
Specific Conductivity (umhos/cm. @ 25 Deg. C.)	30	24		30	22
Oxidation - Reduction, +/- mv					
Dissolved Oxygen, ppm					
Turbidity (NTU's)	~~11~~ 11.1	25	7	4	2

Sample Collection Requirements

(✓ If Required at this Location)

Analytical Parameter	✓ If Field Filtered	Preservation Method	Volume Required	✓ If Sample Collected	Sample Bottle IDs
VOCs	___	~~4°C~~	2 40ml	✓	GLMW/102/X149/XX
SVOCs	___		2 8oz	✓	
PP/PCBs	___		1 8oz	✓	
Inorganics	___	~~NHO3~~	1 QT	✓	
CN	___		1 PT	✓	
___	___			___	
___	___			___	
___	___			___	

Notes: P.I.D. meter reading 0 in well head

92020810 (a)

Soil Boring Log

Project	Boring/Well No.	Project No.
PSA-6	MW-101	7084-30

Client	Site	Sheet No.
NYSDEC	GREAT LAKES CARBON	1 of 1

Logged By	Ground Elevation	Start Date	Finish Data
N. Migliaccio / CB Morin		10/27/92	10/27/92

Drilling Contractor	Driller's Name	Rig Type
Parratt Wolff	Brian Waters	Truck

Drilling Method	Protection Level	P.I.D. (eV)	Casing Size	Auger Size
HSA	C dermal		—	4.25

Soil Drilled	Rock Drilled	Total Depth	Depth to Groundwater/Date	Piez	Well	Boring
CBM ~~14.5~~ 15'	—	15' ~~14.5'~~ CBM	@ 6'	☐	☐	☒

Depth (Feet)	Sample No. & Penetration/ Recovery (Feet)	Sample Type	SPT Blows/6" or Core Rec./Rqd. %	SPT-N (Blows/Ft.)	Graphic Log	Sample Description	USCS Group Symbol	Notes on Drilling	Monitoring (ppm) PI Meter Field Scan	Monitoring (ppm) PI Meter Head Space		Lab Tests
0-2	1.4'			4-8-7-6		grey brown to green grey and black gravel, ash, car bon fill. Little silt, dry			bkg	2.1		
5-7	1.2'			2-4-4-5		grey and brown mottled fine silty sand. Trace silty clay @ tip, wet.			bkg	3.8		
10-12	2.0'			4-4-5-4		purplish grey brown clay 0-1.2 clay very stiff, slightly plastic, trace silt, moist 1.2-2.0 clay w/ bands of silt, moderately plastic, loose, wet.			bkg	2.1		
						BOB 15'						

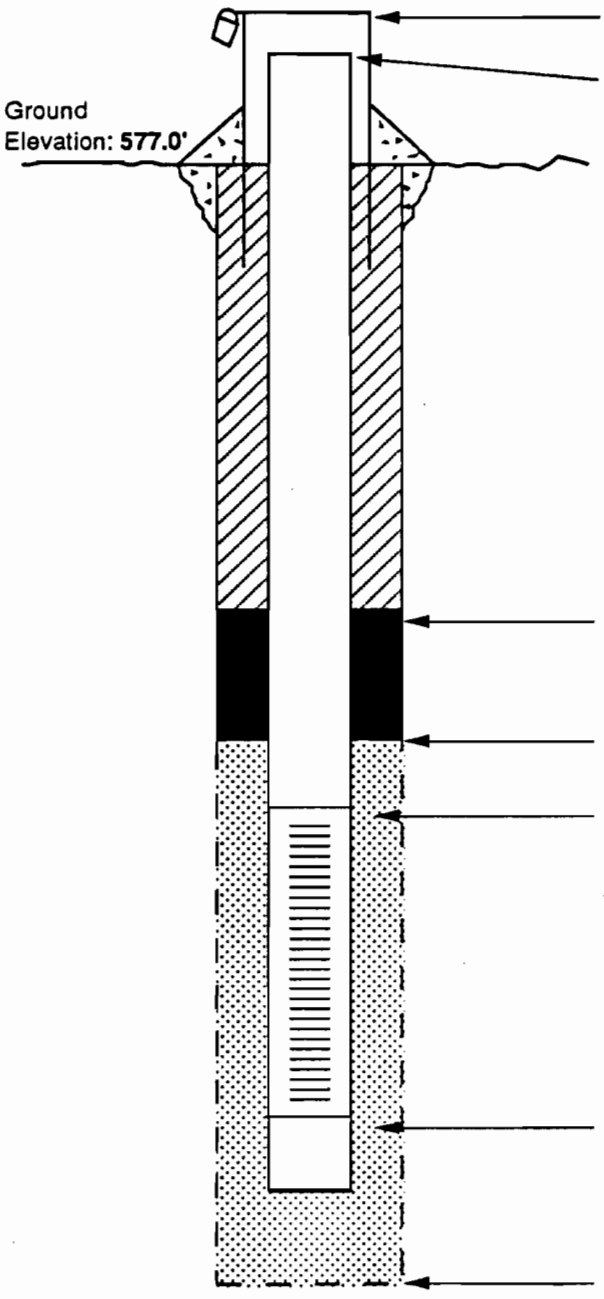
BEDROCK MONITORING WELL CONSTRUCTION DIAGRAM

Project: **NYSDEC PSA-6** Location: **Great Lakes Carbon** Driller **Parratt-Wolff, Inc**

Project No. **7084-30** Boring No. **MW-101** Drilling Method **4.25" HSA**

Date Installed **10/27/92** Development Method **Pump**

Field Geologist **Cornelia Morin / Nick Migliaccio**



Elevation of Top of Surface Casing: **577.02'**
Stick-up of Casing Above Ground Surface: **-0.29**
Elevation of Top of Riser Pipe: **576.73'**
Type of Surface Seal: **CONCRETE**
Type of Surface Casing: **2 FT LONG FLUSHMOUNT**

ID of Surface Casing: **8"**

Diameter of Borehole: **8"**

Riser Pipe ID: **2"**
Type of Riser Pipe: **PVC SCHEDULE 40**

Type of Backfill: **N/A**

Elevation of Top of Seal: **575.5'**
Depth of Top of Seal: **1.5"**
Type of Seal: **BENTONITE - ENVIROPLUG**

Elevation of Top of Sand: **574.0'**
Depth of Top of Sand: **3'**
Elevation of Top of Screen: **573.0'**
Depth of Top of Screen:**4'**

Type of Screen: **PVC**
Slot Size x Length: **#10 SLOT - 10' LONG**
ID of Screen: **2"**

Type of Sandpack: **MOIRE #0 GRADE SAND**

Elevation of Bottom of Screen: **563.0'**
Depth of Bottom of Screen: **14'**
Depth of Sediment Sump with Plug: **N/A**

Elevation of Bottom of Borehole: **562.0'**
Depth of Bottom of Borehole: **15'**

9301013D

Soil Boring Log

Project	Boring/Well No.	Project No.
PSA-6	HW-102	7084-30

Client	Site	Sheet No.
NYSDEC	GREAT LAKES CARBON	1 of 1

Logged By	Ground Elevation	Start Date	Finish Data
N. Migliaccio/CB Morin		10/26/92	10/26/92

Drilling Contractor	Driller's Name	Rig Type
Parratt-Wolff	Brian Waters	Truck-mounted

Drilling Method	Protection Level	P.I.D. (eV)	Casing Size	Auger Size
HSA	Cdermal		—	4.25

Soil Drilled	Rock Drilled	Total Depth	Depth to Groundwater/Date	Piez	Well	Boring
CBM ~~4.5~~ 15'	—	15' ~~14.5~~ bgm	∇ 6'	☐	☐	☒

Depth (Feet)	Sample No. & Penetration/ Recovery (Feet)	Sample Type	SPT Blows/6" or Core Rec./Rqd. %	SPT-N (Blows/Ft.)	Graphic Log	Sample Description	USCS Group Symbol	Notes on Drilling	Monitoring (ppm) PI Meter Field Scan	Monitoring (ppm) PI Meter Head Space		Lab Tests
0-2	1.4'			2-9-14-10		0-0.4 brown organic silt w/root matter, top soil 0.4-1.4 black ash and gravel, trace fine sand			bkg	bkg		
5-7	2'			2-2-4-5		0-0.8 grey to orange brown mottled, silty clay 0.8-2.0 grey to orange brown silt, some very fine sand, moist to wet			bkg	bkg		
10-12	2'			4-10-13-13		0-2.0 red to mauve brown clay, moderately plastic, a little stiff, moist			bkg	bkg		
						BOB 15'						

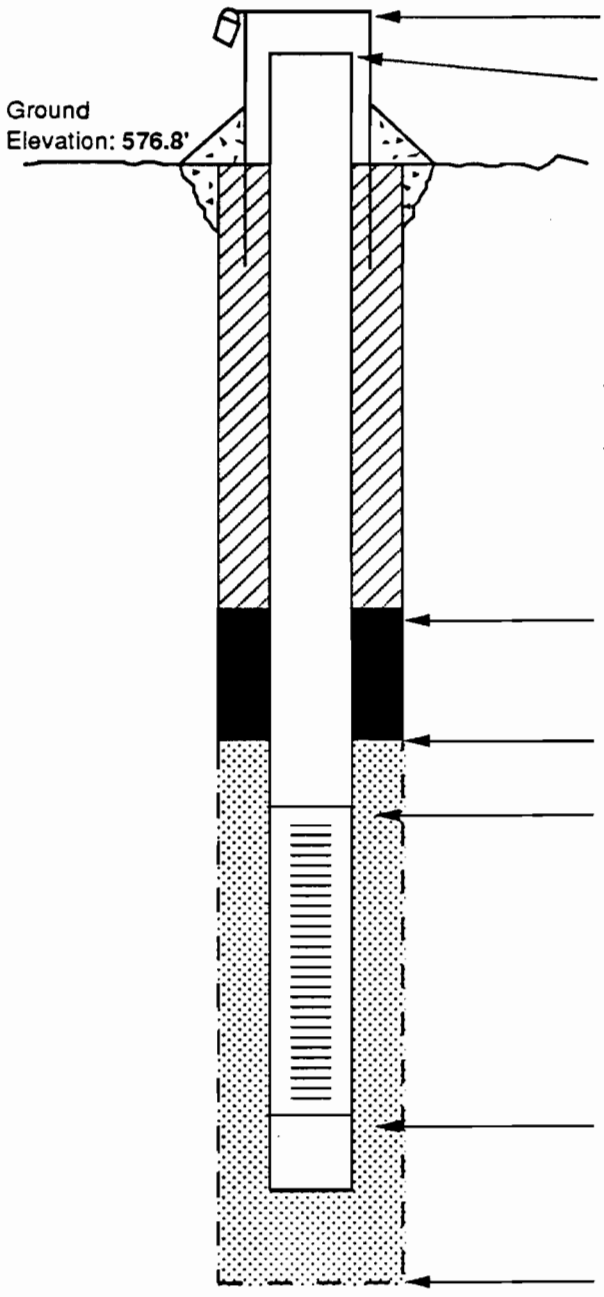
BEDROCK MONITORING WELL CONSTRUCTION DIAGRAM

Project: **NYSDEC PSA-6** Location: **Great Lakes Carbon** Driller **Parratt-Wolff, Inc**

Project No. **7084-30** Boring No. **MW-102** Drilling Method **4.25" HSA**

Date Installed **10/26/92** Development Method **Bailed**

Field Geologist **Cornelia Morin / Nick Migliaccio**



Elevation of Top of Surface Casing: **576.90'**
Stick-up of Casing Above Ground Surface: **-0.33**
Elevation of Top of Riser Pipe: **576.57'**
Type of Surface Seal: **CONCRETE**
Type of Surface Casing: **2 FT LONG FLUSHMOUNT**

ID of Surface Casing: **8"**

Diameter of Borehole: **8"**

Riser Pipe ID: **2"**
Type of Riser Pipe: **PVC SCHEDULE 40**

Type of Backfill: **CONCRETE**

Elevation of Top of Seal: **574.5'**
Depth of Top of Seal: **1.5"**
Type of Seal: **BENTONITE - ENVIROPLUG**

Elevation of Top of Sand: **573.8'**
Depth of Top of Sand: **3'**
Elevation of Top of Screen: **572.8'**
Depth of Top of Screen:**4'**

Type of Screen: **PVC**
Slot Size x Length: **#10 SLOT - 10' LONG**
ID of Screen: **2"**

Type of Sandpack: **MOIRE #0 GRADE SAND**

Elevation of Bottom of Screen: **562.8'**
Depth of Bottom of Screen: **14'**
Depth of Sediment Sump with Plug: **N/A**

Elevation of Bottom of Borehole: **561.8'**
Depth of Bottom of Borehole: **15'**

Soil Boring Log

Project	Boring/Well No.	Project No.
	TB-103	7084-30

Client	Site	Sheet No.
NYSDEC	Great Lakes Carbon	1 of 1

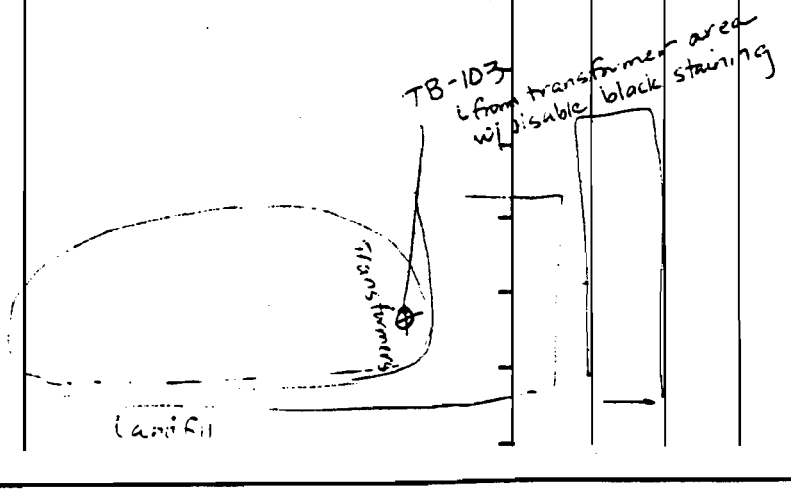
Logged By	Ground Elevation	Start Date	Finish Data
J. Connolly / T. Hillman		10-27-92	

Drilling Contractor	Driller's Name	Rig Type
NA	Tom Hillman	NA

Drilling Method	Protection Level	P.I.D. (eV)	Casing Size	Auger Size
Hand Auger	C-dermal	10	NA	2.25

Soil Drilled	Rock Drilled	Total Depth	Depth to Groundwater/Date	Piez ☐	Well ☐	Boring ☐
		2 ft.	NA			

Depth (Feet)	Sample No. & Penetration/ Recovery (Feet)	Sample Type	SPT Blows/6" or Core Rec./Rqd. %	SPT-N (Blows/Ft.)	Graphic Log	Sample Description	USCS Group Symbol	Notes on Drilling	Monitoring (ppm) PI Meter Field Scan	Monitoring (ppm) PI Meter Head Space	Monitoring (ppm)	Lab Tests
1						Clay w/ course sand + fine gravel w/ black stain			0			
2						Brownish/orange clay + sand w/ some black stain			0			



GLTB103X02922XX sampled w/ hand auger, SS bucket, SS spoon

↳ collected 8oz. amber glass for TCL PCBs.

10-27-92 at 1200

Soil Boring Log

Project	Boring/Well No.	Project No.
PEA-1	TB-104	7084-30

Client	Site	Sheet No.
NYSDEC	GREAT LAKES CARBON	1 of 1

Logged By	Ground Elevation	Start Date	Finish Data
N. Migliaccio/CB Marin		10/27/92	10/27/92

Drilling Contractor	Driller's Name	Rig Type
Parratt-Wolff	Brian Waters	Truck

Drilling Method	Protection Level	P.I.D. (eV)	Casing Size	Auger Size
Advancing Split-Spoon	Level D			

Soil Drilled	Rock Drilled	Total Depth	Depth to Groundwater/Date	Piez	Well	Boring
6'		6'	N/A	☐	☐	☒

Depth (Feet)	Sample No. & Penetration/ Recovery (Feet)	Sample Type	SPT Blows/6" or Core Rec./Rqd. %	SPT-N (Blows/Ft.)	Graphic Log	Sample Description	USCS Group Symbol	Notes on Drilling	Monitoring (ppm) PI Meter Field Scan	Monitoring (ppm) PI Meter Head Space	Monitoring (ppm)	Lab Tests
2	2.0			1-6-14-4c		Black carbon			3.4			
4	2.0			12-11-4-11		Black carbon			bkg			x
6	1.2			6-9-8-6		Black carbon, dry			bkg			
						Bois 6'						
						GLTB104XC4Q2XX Submitted for TCL VOC, SVOC, PEST/PCB, INORG & PHYSICAL CHARACTERISTICS						

Soil Boring Log

Project	Boring/Well No.	Project No.
P3A-6	TB-105	7084-30

Client	Site	Sheet No.
NYSDEC	GREAT LAKES CARBON	1 of 1

Logged By	Ground Elevation	Start Date	Finish Data
N Migliaccio / CB Hall		10-27-92	10-27-92

Drilling Contractor	Driller's Name	Rig Type
Parratt-Wolff	Brian Waters	Truck

Drilling Method	Protection Level	P.I.D. (eV)	Casing Size	Auger Size
Hollow Stem Auger	Level D		—	—

Soil Drilled	Rock Drilled	Total Depth	Depth to Groundwater/Date	Piez	Well	Boring
6'	—	6'	N/A	☐	☐	☐

Depth(Feet)	Sample No. & Penetration/ Recovery (Feet)	Sample Type	SPT Blows/6" or Core Rec./Rqd. %	SPT-N (Blows/Ft.)	Graphic Log	Sample Description	USCS Group Symbol	Notes on Drilling	Monitoring (ppm) PI Meter Field Scan	Monitoring (ppm) PI Meter Head Space		Lab Tests
2	2.0			7-9-21-26		Black gravel w/carbon material, wet			bkgd	5.2		X
4	0.6			5-10-4-6		Black gravel w/carbon debris, wet			bkgd	13.1		
6	0			4-3-2-3		No recovery						
						BOB 6'						
						SLCB1-TXC2-9ZXX Submit Hold for TCL VOC, SVOC, PEST/PCB, METALS & TCLP CHEM.						

Soil Boring Log

Project	Boring/Well No.	Project No.
PSA-6	TB-106	7084-30

Client	Site	Sheet No.
NYSDEC	GREAT LAKES HARBOR	1 of 1

Logged By	Ground Elevation	Start Date	Finish Data
N. Machaccia / CB McCain		10-27-92	10-27-92

Drilling Contractor	Driller's Name	Rig Type
Parratt-Wolff	Brian Waters	Truck

Drilling Method	Protection Level	P.I.D. (eV)	Casing Size	Auger Size
6" Advance Split Spoon	Criminal		—	—

Soil Drilled	Rock Drilled	Total Depth	Depth to Groundwater/Date	Piez	Well	Boring
6'	—	6'	N/A	☐	☐	☐

Depth (Feet)	Sample No. & Penetration/ Recovery (Feet)	Sample Type	SPT Blows/6" or Core Rec./Rqd. %	SPT-N (Blows/Ft.)	Graphic Log	Sample Description	USCS Group Symbol	Notes on Drilling	Monitoring (ppm) PI Meter Field Scan	Monitoring (ppm) PI Meter Head Space		Lab Tests
2	2.0			16-9 14-11		0-1.3 Black carbon 1.3-2.0 Tanish grey crushed gravel			bkg	2.3		
	1.6					0-0.4 Tanish grey crushed gravel 0.4-1.6 Black carbon w/ hard of wood @ 0.5-0.6			bkg	2.3		
4	1.4					Black carbon w/a little gravel, trace wood, dry			—	—		X
6						EOB 6.0'						
						GLTB106X0692XX SUBMITTED FOR TCL VOC, SVOC, PEST/PCB, INORG + PCDA ONLY						

Soil Boring Log

Project	Boring/Well No.	Project No.
DSA-6	TB-107	7054-30

Client	Site	Sheet No.
NYSDEC	GREAT LAKES CARBON.	1 of 1

Logged By	Ground Elevation	Start Date	Finish Data
N. Higliccio / TB Hurin		10 27 92	10-27-92

Drilling Contractor	Driller's Name	Rig Type
Parratt-Wolf	Brian Waters	Truck mounted

Drilling Method	Protection Level	P.I.D. (eV)	Casing Size	Auger Size
Advance Split Spoon	C dermal		—	—

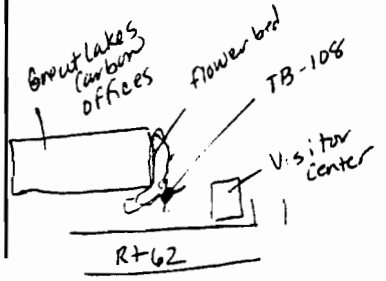
Soil Drilled	Rock Drilled	Total Depth	Depth to Groundwater/Date	Piez	Well	Boring
5.5'		5.5'	N/A	☐	☐	☐

Depth (Feet)	Sample No. & Penetration/ Recovery (Feet)	Sample Type	SPT Blows/6" or Core Rec./Rqd. %	SPT-N (Blows/Ft.)	Graphic Log	Sample Description	USCS Group Symbol	Notes on Drilling	Monitoring (ppm) PI Meter Field Scan	Monitoring (ppm) PI Meter Head Space		Lab Tests
	1.5			5-14-83		Black carbon		(1)	bkg	2.2		X
	0.6			4-5-14-19		Black carbon; fine silt, moist.			bkg	4.0		
	-0-			4-1-1-1		No recovery		-	bkg			
						BOB 5.5'						
						(1) Spoon started to break. (2) 1.5, removed + 2ND spoon started @ 1.5'						
						GLTB107X0292XX Submitted for TCL VOC, SVOC, PEST/PCB, TAL + RCRA CHAR						

Soil Boring Log

Project	Boring/Well No. TB-108	Project No. 7084-30
Client NYSDEC	Site Great Lakes Carbon	Sheet No. 1 of 1
Logged By J. Connolly / T. Hillman	Ground Elevation	Start Date 10-27-92 / Finish Data
Drilling Contractor NA	Driller's Name Tom Hillman	Rig Type NA
Drilling Method Hand Auger	Protection Level D+ / P.I.D. (eV)	Casing Size NA / Auger Size 2.25
Soil Drilled ✓ / Rock Drilled	Total Depth 3ft.	Depth to Groundwater/Date NA — Piez ☐ Well ☐ Boring ☐

Depth (Feet)	Sample No. & Penetration/ Recovery (Feet)	Sample Type	SPT Blows/6" or Core Rec./Rqd. %	SPT-N (Blows/Ft.)	Graphic Log	Sample Description	USCS Group Symbol	Notes on Drilling	Monitoring (ppm): PI Meter Field Scan	PI Meter Head Space		Lab Tests
1						Top soil						
2						clay w/ fine sand						
3						clay w/ fine sand (70/30)						✓
4						clay w/ fine sand (50/50)						↓



GLTB108X0492XX

Sampled 10-27-92 at 1130 for VOC, SVOC, Pest, PCB, Inorg, RCRA Characteristics

2-4oz. glass — 1-8oz. glass amber — 1-8oz. gl. amber

9202081D (U)

Sample Code Identification. ABB-ES utilizes a 14-digit sample identification code that represents sample type, sample location, depth of sample (if applicable), and designation of duplicate samples. Each individual sample has been assigned this sample identification code, listed as "Sample Location" on that following data tables. Explanation of the 14-digit system is as follows:

Digits 1, 2 — Site Code - **GL** for Great Lakes Carbon .

Digits 3, 4 — Sample Type - two letter code to identify sample media
- TB - Test Boring Soil Sample
- MW - Monitoring Well Groundwater Sample
- SW - Surface Water
- SD - Sediment Sample
- QT - Trip Blank
- QS - Sampler Blank

Digits 5,6,7 — Horizontal Sample Locator - three numbers to identify sample location
Example: 101
102

Digits 8,9,10 — Depth of Sample Below Ground Surface
Example: X01 foot
125 feet

For test boring samples, the depth indicated is assumed to be the top of a 2-foot, split-spoon sample. The designation 000 will be used for BS samples collected from 0 to 2 feet below ground surface.

For MW samples, the depth indicated is assumed to be the bottom of the well screen measured in feet below ground surface.

All samples obtained from the ground surface or from drums or containers will be designated XXX.

Digits 11,12 — Year of sampling event: **92**

Digits 13,14 — XX - sample
XD - duplicate sample

MEMORANDUM

TO: Cornelia Morin

FROM: Steve Turner

DATE: January 25, 1993

SUBJECT: Data Usability Report - Great Lakes Carbon Site

This memo summarizes the usability of the analytical results generated for the Great Lakes Carbon site. Laboratory analyses were performed in accordance with the New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (ASP), and the data were validated using the criteria specified by U.S. Environmental Protection Agency (USEPA) Region II, modified to include NYSDEC requirements. A detailed evaluation of the laboratory quality control results is attached.

Usability is based on validated sample results. Rejected results ("R" qualifier) represent unusable data since the analyte presence or absence is uncertain. In general, sample results with qualifiers other than "R" are considered as usable. Laboratory data from the Great Lakes Carbon Site will be used to establish whether hazardous waste has been disposed at the site and whether the site poses a potential threat to public health and the environment.

The data validation summary attached indicates which laboratory results are considered non-compliant when compared to the ASP requirements. However, the majority of these non-compliant results represent minor quality control problems and do not affect data usability. The cases where quality control problems affected usability and/or resulted in the rejection of data are discussed in the following sections. In most cases these problems are typical analytical difficulties or are the result of sample matrix problems.

Volatile Organics

The volatile organics results were acceptable and may be considered suitable for their intended use. Methylene chloride, a common laboratory contaminant, was detected in the laboratory method blank and the equipment blank. All sample results less than the action level were reported as non-detect. Some calibration problems (internal standard areas and continuing calibration percent differences outside acceptance limits) were observed, which represent typical laboratory performance. Samples exhibiting low internal standard areas were reanalyzed outside the holding time, so the initial analyses were reported. The affected compounds were qualified as estimated, and this minor deficiency does not affect usability. Sample GLSD104 was qualified as estimated

because of low total solids content (47%). This qualification does not affect the usability of these volatile data. Sample GLSW103 exhibited one surrogate recovery outside acceptance limits; all results were qualified as estimated to indicate a potential low bias.

Semivolatile Organics

The semivolatile organics analyses provided acceptable results, and the values may be used as presented. Bis(2-ethylhexyl)phthalate (BEHP), phenol, and 2-methylnaphthalene were detected in the laboratory method blank, and diethylphthalate, fluoranthene, pyrene, and BEHP were reported in the equipment blanks. All sample results less than the action level were reported as non-detect. Some calibration problems (continuing calibration percent differences outside acceptance limits) were observed, which represent typical laboratory performance. The affected compounds were qualified as estimated, and this minor deficiency does not affect usability. Some calibration problems (continuing calibration percent differences outside acceptance limits) were observed, which represent typical laboratory performance. The affected compounds were qualified as estimated, and this minor deficiency does not affect usability.

Sample GLSD104 was qualified as estimated because of low total solids content (47%). This qualification does not affect the usability of these semivolatile data. Sample GLTB107DL exhibited two base/neutral surrogate recoveries outside acceptance limits; all positive results were qualified as estimated to indicate a potential high bias. Several samples contained target compounds at concentrations which exceeded the calibration range of the analytical method. These results are considered usable and were qualified as estimated to indicate the potential uncertainty in the quantitation. Several samples exhibited internal standard areas below the acceptance limit. These samples were diluted (up to a factor of 500X) and reanalyzed, and the internal standard responses were acceptable. However, in order to provide the user with the most functional results (i.e., the lowest possible detection limits), the original data were reported, and the affected compounds were qualified as estimated to indicate a potential low bias.

Pesticides/Polychlorinated biphenels (PCBs)

The pesticides/PCBs results are acceptable and may be used as presented. Sample GLSD104 was qualified as estimated because of their low total solids content (47%). This qualification does not affect the usability of these data. Results for endrin aldehyde were qualified as estimated because standard linearity criteria were not met, but usability of these data is not affected. Several samples exhibited surrogate recoveries outside the acceptance limits,and the results were qualified as estimated. These low recoveries may be attributable to matrix problems and do not affect the usability of the results. GLMW102 exhibited 0% recovery. Because of this low bias, the non-detected result should not be used to determine the absence of pesticides/PCBs in this sample.

Inorganics

The majority of the inorganics analyses are acceptable and may be used as presented. Spike recoveries for selenium, thallium, copper, iron, lead, manganese, and silver were below acceptance limits, and recoveries for mercury were above acceptance limits, indicating an accuracy problem. The associated results were qualified as estimated. These non-compliant recoveries may be attributable to matrix and/or laboratory problems and do not affect the usability of the results. However, the spike recovery for selenium and thallium for some samples was well below the lower acceptance limit, and the associated results were rejected. These results should not be used to determine the absence of selenium and chromium in site samples. The Inductively Plasma Coupled (ICP) Contract Required Detection Limit (CRDL) standard exhibited recoveries outside quality control (QC) limits for cadmium, chromium, silver, antimony, and nickel. This deficiency indicates that there is some uncertainty associated with results for these elements reported at or near the CRDL. However, since these elements are not critical site contaminants, these results should not affect the reclassification decision. ICP serial dilution results were outside acceptance limits for potassium, vanadium, barium, and zinc. The results are usable and were qualified as estimated because of a potential low bias. Poor agreement between field and/or laboratory duplicate results for surface water and sediment samples was observed for mercury, sodium, magnesium, antimony, zinc, and iron, and the associated results were qualified as estimated. This precision problem may be attributable to matrix and/or laboratory problems and does not affect the usability of the results.

Hazardous Waste Characteristics

The ICP CRDL standard exhibited recoveries outside QC limits for lead during the Extraction Procedures Toxicity analysis. This deficiency indicates that there is some uncertainty associated with results for this element reported at or near the CRDL. ICP serial dilution results were outside acceptance limits for barium. The results are usable and were qualified as estimated because of a potential low bias. No problems were observed for corrosivity, reactivity, and ignitability.

Tentatively Identified Compounds (TICs)

The ASP analytical procedures for volatile and semivolatile organics may also detect the presence of additional compounds which are not included on the Target Compound List. The mass spectra of these non-target compounds [up to ten volatile organic compounds (VOCs) and 20 semivolatile organic compounds (SVOCs)] are compared to library spectra using a computerized search routine, and the best matches are evaluated by the laboratory. If a good library match can not be made the compound is reported as

"unknown". The concentrations are estimated by comparing the compound's response to the that of the closest internal standard.

Volatile TICs (aromatic hydrocarbons) were reported only in one sediment sample. semivolatile TICs were reported include aromatic hydrocarbons, which may have derived from coal tar It should be noted that uncertainty exists both in identification and quantitation and that the estimated concentrations could be orders of magnitude higher or lower than the actual concentration.

Data Quality Objectives

Data Quality Objectives are based on the premise that different data uses require different levels of data quality. Data quality refers to the degree of uncertainty of analytical data with respect to precision, accuracy, representativeness, completeness, and comparability (PARCC). These objectives are established based on site conditions, the purpose of the field program, and the knowledge of the measurement systems used for generation of the analytical data.

No major quality control problems were observed during the data validation process which would affect the usability of the sample results. A discussion of the laboratory data quality as it relates to the PARCC objectives is presented below.

Precision and Accuracy

Precision refers to the reproducibility of a measurement under certain specified conditions, and accuracy measures the bias associated with the sampling and analysis process. Precision and accuracy are affected by both field and laboratory conditions. Precision was monitored through the analysis of field and laboratory duplicate samples; accuracy was measured through the analysis of field and laboratory blanks, matrix spikes, and surrogate spikes. The ASP protocols used for the analysis of samples define the criteria for acceptable precision and accuracy. Accuracy results were outside acceptance limits for one VOC sample (low surrogate recovery), for one SVOC sample (high surrogate recovery), for the SVOC matrix spike/matrix spike duplicate (MS/MSD) recovery of 4-nitrophenol, acenaphthalene, and 2,4-dinitrotoluene, for pesticides/PCBs (surrogate recovery), for the pesticide MS/MSD recovery, and for inorganic spike recoveries for copper, iron, lead, manganese, silver, and mercury. These results are indicative of a matrix problem, and the data were qualified as estimated. In, addition, the SVOC MS/MSD recovery of pyrene could not be determined because the sample concentration was much greater than the spike concentration. The accuracy results for one pesticide sample (surrogate recovery) and for elements (selenium and thallium spike recovery) were well outside the acceptance limits, and the data were qualified as unusable. All other accuracy results were acceptable. Precision results (duplicates) were

outside acceptance limits for carbazole (i.e., SVOC), mercury, sodium, magnesium, antimony, zinc, and iron. The results are considered usable and were qualified as estimated. All other precision results were acceptable.

Several target analytes were reported at concentrations less than the Contract Required Quantitation Limit (CRQL) and were qualified as estimated, "J". Uncertainty exists for the quantitation of concentrations less than the CRQL. While these results provide information on the presence of contamination, these values should be qualified for use in decisions. In some cases poor precision was observed between the two columns used for pesticides/PCBs analyses, and the results were qualified with a "P" by the laboratory. While these concentrations should be considered as estimated, they provide an indication of contamination and are suitable for use.

Representativeness

Measurements are made so that the results obtained are representative of the sampling population, the medium (e.g. soil and groundwater), and the site conditions. The sampling protocols were developed to ensure that the samples were representative of the media, that sampling locations were properly selected, and that a sufficient number of samples were collected. Sample handling protocols (chain-of-custody, storage, and transportation) were adequate to preserve the sample integrity. Proper documentation established that the correct protocols had been followed. Collocated samples (field duplicates) were also collected to assess representativeness, and no major problems were observed which would affect usability.

Completeness

The characteristic of completeness is defined as the percent of valid data obtained as compared to what would be expected under normal conditions. The USEPA has found that Contract Laboratory Program protocols typically generate data that is 80% complete. Because sampling activities are often influenced by field conditions the Great Lakes Carbon Site Work Plan provided estimates of the number of samples to be collected during the field program. There were no significant deviations from the proposed field program. With the exception of the pesticide/PCBs and inorganics analyses, completeness was calculated to be 100%. Because of the rejected results, completeness is 94% for pesticides/PCBs and 98% for inorganics

Comparability

The characteristic of comparability reflects both the internal consistency of measurements and the expression of results in units which are consistent with other

organizations reporting similar data. Each value reported for a given measurement should be similar to other values within the same data set and with other related data sets. Comparability was assured through the use of standardized sampling procedures and ASP analytical methods.

MEMORANDUM

To: Cornelia Morin

From: Kate Kuebler/Steve Turner

Date: January 20, 1993

Subject: Validation : Great Lakes Carbon Site
Project No.: 07084-30
Sampling Dates: October 26 - 28, 1992
November 16, 1992

Review is complete for the data packages generated by NYTEST Environmental, Inc. pertaining to soil and water samples collected at the Great Lakes Carbon site. Review was performed following U.S. Environmental Protection Agency (USEPA) Region II guidelines. Samples were analyzed for various combinations of Target Compound List (TCL) organics, TCL inorganics, Extraction Procedure (EP) Toxicity metals, and Resource Conservation and Recovery Act (RCRA) characteristics in accordance with New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocols (ASP). Package documentation was generally complete with the following resubmissions requested:

1. Revised Form I volatile organic compounds (VOC) for GLSD103. Chlorobenzene was reported instead of ethylbenzene.
2. Form VII for continuing calibration of GLSD101.
3. Strip chart for cyanide analysis 11/10/92.
4. Revised inorganic Form XIII. Spike and duplicate performed on GLSD104, not GLSW104.
5. Case narrative for inorganics, sample delivery group 788.
6. Revised inorganic Form XIII. Incorrect date of cyanide analysis reported.
7. Revised inorganic Form VII. Incorrect silver results reported.
8. Clarification of X-intercept and correlation for Method of Standard Addition for lead.

The data tables referred to in this memo are comprised of the following:

Table 1 : Laboratory Report of Analysis
Table 2 : Validation / Summary Table
Table 3 : Summary Table

The following subsections summarize the qualifications/edits that have been determined by validation.

All Organic Analyses

Compound results below the Contract Required Quantitation Limit (CRQL) were flagged with a "J" by the laboratory. These were flagged "JJ" on Tables 2 and 3.

Volatile and semivolatile compound results greater than the calibration range were flagged with an "E" by the laboratory. Samples containing these compounds were diluted and reanalyzed, and the diluted results flagged with a "D". On Table 2, the diluted results for all compounds beyond calibration range were inserted into the original results and the remainder of the diluted analysis deleted from Table 2 and Table 3.

Pesticide/polychlorinated biphenel (PCB) compounds that had greater than 25% difference between the results of the two columns were flagged with a P by the laboratory. These were flagged "J" on Tables 2 and 3.

Volatile Analyses - Qualifications/Edits

1. Due to equipment blank contamination, results for methylene chloride should be considered nondetect in GLSW101, GLSW103/XX, GLSW103/XD, GLSW104, GLSD104, GLTB105, GLTB106, and GLTB107.

2. Due to method blank contamination, methylene chloride should be considered nondetect in GLSD101.

3. Due to percent solids less than 50%, all results were estimated for GLSD104.

4. Recovery of surrogate bromofluorobenzene was below quality control (QC) limits for the analysis of GLSW103. All results were estimated.

5. The reanalysis of GLMW101/XD and GLMW102 exceeded hold time. All results were estimated.

6. Areas of all three internal standards for both GLMW101/XD and GLMW102 were below QC limits. Samples were reanalyzed and all internal standards were compliant. Results of reanalyses were presented on Tables 2 and 3.

7. Several continuing calibration standards for had noncompliant percent difference results. Positive and nondetect results were estimated in associated samples for chloromethane, bromomethane, chloroethane, vinyl chloride, methylene chloride, acetone, 1,1-dichloroethene, 2-hexanone, and styrene.

Volatile Analyses - Comments

Please see items 1 - 7 under **Qualifications/Edits.** All volatile analyses were performed within hold times, except the reanalyses discussed. All method blank results were acceptable. All matrix spike blank (MSB), matrix spike/matrix spike duplicate (MS/MSD) recoveries, and relative percent differences were within recommended limits. Instrumental tune criteria were met. Surrogate recoveries were within QC limits except as discussed above. Initial calibration standards that did not meet criteria had no effect on the results. Field duplicate results were acceptable. Tentatively identified compounds were identified in one soil sample. No trip blank was associated with GLSW101, GLSW102, and GLSW104.

Semivolatile Analyses - Qualifications/Edits

8. Due to method blank contamination, bis(2-ethylhexyl)phthalate (BEHP) should be considered nondetect in GLSD101,

9. Due to method blank contamination, phenol should be considered nondetect in GLSD103 and GLTB104.

10. Due to method blank contamination, 2-methylnaphthalene should be considered nondetect in GLTB108.

11. Due to equipment blank contamination, results for diethylphthalate and fluoranthene should be considered nondetect in GLSW103/XX, GLSW103/XD,and GLSW104.

12. Due to equipment blank contamination, results for fluoranthene, pyrene, and BEHP should be considered nondetect in GLSW101.

13. Due to equipment blank contamination, results for bis(2-ethylhexyl)phthalate should be considered nondetect in GLSW102, GLMW101/XX, GLMW101/XD, and GLMW102.

14. Due to percent solids less than 50%, all results were estimated for GLSD104.

15. Two base/neutral surrogate recoveries were above QC limits in the analysis of GLTB107DL. Positive results for base/neutral compounds were estimated.

16. Internal standard (IS) areas were below QC limits for several samples. These samples were diluted (5 to 500 times) and reanalyzed and the IS areas were compliant. In order to provide the most useful information, the original results were reported on Tables 2 and 3, with the appropriate compounds estimated. The following list the samples and the noncompliant internal standards:

GLSD103	Phenanthrene, chrysene
GLTB104	Phenanthrene, chrysene
GLTB105	Phenanthrene, chrysene
GLTB106	Phenanthrene
GLTB107	Phenanthrene
GLSD103/XD	Phenanthrene, perylene*

* : IS area was above QC limits. Positive results were estimated.

17. Several continuing calibration standard compounds had noncompliant percent difference results. Positive and nondetect results were estimated in associated samples for hexachlorocyclopentadiene, 4-chloroaniline, 2,2'-oxybis(1-chloropropane), 4-nitrophenol, 2,4-dinitrotoluene, pyrene, 3,3'dichlorobenzidine, 4-chlorophenyl-phenylether, N-nitrosodiphenylamine, di-n-octylphthalate, benzo(b)fluoranthene, benzo(k)fluoranthene, and bis(2-ethylhexyl)phthalate.

Semivolatile Analyses - Comments

Please see items 8 and 17 under **Qualifications/Edits.** All hold time, instrument tune, method blank, and surrogate recovery criteria were met for all sample analyses. Initial calibration criteria that was not met had no effect on the results. Aqueous matrix spike blank, matrix spike, and matrix spike duplicate recoveries were acceptable for all compounds except 4-nitrophenol, which had a high recovery in all 3 spike analyses. Additionally, the soil MSB had a high recovery of 4-nitrophenol. Soil matrix spike and matrix spike duplicate recoveries were above QC limits for acenaphthene and 2,4-dinitrotoluene and incalculable for pyrene. The sample used for MS/MSD had very high concentrations of several target compounds. TICs were identified in all soil samples and in three water samples. Field duplicate results were acceptable for all compounds except carbazole in GLSD103XX/XD. The relative percent difference between these results was 76%. Carbazole results were previously estimated for other QC noncompliances.

Pesticide/PCB Analyses - Qualifications/Edits

18. Due to percent solids less than 50%, all results were estimated for GLSD104.

19. One surrogate recovery was 0% during the analysis of GLMW102. All nondetect results were rejected.

20. Surrogate recoveries were below QC limits during the analysis of GLSW101, GLSW104, and GLTB103. All results were estimated for these samples.

21. All surrogate recoveries were above QC limits for the analysis of GLTB106 and GLSD103/XD. All positive results were estimated in these samples.

22. Linearity criteria were not met for the endrin aldehyde standard during the initial calibration. Results for this compound were estimated in GLSW104 and GLSD104.

23. Due to peak interference during the initial analysis of GLSD104, the sample was reanalyzed. The reanalysis showed no interference and the results of these analysis were presented on Tables 2 and 3.

Pesticide/PCB Analyses - Comments

Please see items 18 - 23 under **Qualifications/Edits.** All samples were extracted and analyzed within hold time. All method and instrument blanks were compliant. For the surface water samples, designated with SW, all MSB and MS/MSD recoveries were within the required limits. For the soil samples, the MSB and MSD met all criteria. The matrix spike had 0% recovery for endrin and aldrin. For the ground water samples, designated with MW, all MSB recoveries were below the QC limits. It should be noted that all surrogate recoveries in the analysis of the MSB were quite low. The MS and MSD results were all within the limits except the recovery of gamma-BHC, which was high. All standard sequencing criteria were met. Field duplicate results were acceptable.

Inorganic Analyses - Qualifications/Edits

23. Due to percent solids less than 50%, all results were estimated for GLSD104.

24. Contract Required Detection Limit (CRDL) standard recoveries were below QC limits for several analytes. Affected analytes and associated samples are listed below. Results were estimated.

Cadmium, Chromium	GLSW101, GLSW102, GLSD101
Silver, Chromium	GLSW103XX/XD, GLSD103XX/XD
	All GLTB samples
Antimony, Silver	GLMW101XX/XD, GLMW102

25. Contract Required Detection Limit (CRDL) standard recoveries were above QC limits for antimony and nickel. Antimony results were estimated in GLTB105 and GLTB106. Nickel results were estimated in GLSD101.

26. Spike sample recovery was 0% for selenium. Results were rejected in GLSW101, GLSW102, GLSD103/XX, GLSD103/XD, and GLSD104.

27. Spike sample recovery was 0% for thallium. Results were rejected in GLSW103/XX, GLSW103/XD, and GLSW104.

28. Spike sample recovery was below QC limits for several analytes. Affected analytes and associated samples are listed below. Results were estimated.

Selenium	GLSW103XX/XD, GLSD101
Thallium	GLMW101XX/XD
Copper	GLSD103XX/XD, All GLTB samples
Iron	GLSW104
Lead	GLSW103XX/XD
Manganese	All GLTB samples
Silver	GLSD101

29. Spike sample recovery was above QC limits for mercury. Results were estimated in GLTB105 and GLTB106.

30. Serial dilution criteria were not met for several analytes. Affected analytes and associated samples are listed below. Results were estimated.

Barium	GLSD103XX/XD, All GLTB samples **except** GLTB106
Potassium	GLSW101, GLSW102, GLSW104
Vanadium	GLSD101
Zinc	All GLTB samples

31. Analytical spike recovery was below QC limits for thallium and selenium. Thallium results were estimated in GLSW101 and GLSW102. Selenium results were estimated in GLMW101XX/XD, GLMW102, and all GLTB samples.

32. Laboratory duplicate precision criteria were not met for mercury, sodium, and magnesium. Results for these analytes were estimated in GLSW103XX and GLSW103XD.

33. Laboratory duplicate precision criteria were not met for antimony. Results were estimated in GKSW101 and GLSW102.

34. Field duplicate precision criteria were not met for zinc and iron. Results were estimated in GLSW103XX and GLSW103XD.

35. Field duplicate precision criteria were not met for magnesium. Results were estimated in GLSD103XX and GLSD103XD.

Inorganic Analyses - Comments

Please see items 23 - 35 under **Qualifications/Edits.** All appropriate QC criteria were reviewed and found acceptable unless noted under **Qualifications/Edits.**

EPTOX Metals Analyses - Qualifications/Edits

36. CRDL standard recovery was below QC limits for lead. All EP Toxicity results were estimated for lead.

37. Serial dilution criteria were not met for barium. Results in GLSD102 were estimated.

EPTOX Metals Analyses - Comments

Please see items 36 an 37 under **Qualifications/Edits.** All appropriate QC criteria were reviewed and found acceptable unless noted.

RCRA Analyses - Qualifications/Edits

There were no qualifications or edits to these data.

RCRA Analyses - Comments

Data were reviewed for hold time, duplicate precision, spike sample recovery and method blank contamination. All QC results were acceptable.

Table 1
Laboratory Report of Analysis

	SAMPLE LOCATION:	GLMW101X1492XD	GLMW101X1492XD	GLMW101X1492XX	GLMW102X1492XX	GLMW102X1492XX
	LAB NUMBER:	1478605 #	1478605 R #	1478602 #	1478601 #	1478601 R #
	DATE SAMPLED:	11/16/92	11/16/92	11/16/92	11/16/92	11/16/92
	DATE ANALYZED:	11/21/92	12/01/92	11/21/92	11/21/92	12/01/92
ANALYTE	SOW-3/90 - II CRQL					
Chloromethane	10	10 U	10 U	10 U	10 U	10 U
Bromomethane	10	10 U	10 U	10 U	10 U	10 U
Vinyl Chloride	10	10 U	10 U	10 U	10 U	10 U
Chloroethane	10	10 U	10 U	10 U	10 U	10 U
Methylene Chloride	10	10 U	32	10 U	10 U	20
Acetone	10	10 U	10 U	10 U	10 U	10 U
Carbon Disulfide	10	10 U	10 U	10 U	10 U	10 U
1,1-Dichloroethene	10	10 U	10 U	10 U	10 U	10 U
1,1-Dichloroethane	10	10 U	10 U	10 U	10 U	10 U
1,2-Dichloroethene (total)	10	10 U	10 U	10 U	10 U	10 U
Chloroform	10	10 U	10 U	10 U	10 U	10 U
1,2-Dichloroethane	10	10 U	10 U	10 U	10 U	10 U
2-Butanone	10	10 U	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane	10	10 U	10 U	10 U	10 U	10 U
Carbon Tetrachloride	10	10 U	10 U	10 U	10 U	10 U
Bromodichloromethane	10	10 U	10 U	10 U	10 U	10 U
1,2-Dichloropropane	10	10 U	10 U	10 U	10 U	10 U
cis-1,3-Dichloropropene	10	10 U	10 U	10 U	10 U	10 U
Trichloroethene	10	10 U	10 U	10 U	10 U	10 U
Dibromochloromethane	10	10 U	10 U	10 U	10 U	10 U
1,1,2-Trichloroethane	10	10 U	10 U	10 U	10 U	10 U
Benzene	10	10 U	10 U	10 U	10 U	10 U
trans-1,3-Dichloropropene	10	10 U	10 U	10 U	10 U	10 U
Bromoform	10	10 U	10 U	10 U	10 U	10 U
4-Methyl-2-Pentanone	10	10 U	10 U	10 U	10 U	10 U
2-Hexanone	10	10 U	10 U	10 U	10 U	10 U
Tetrachloroethene	10	10 U	10 U	10 U	10 U	10 U
1,1,2,2-Tetrachloroethane	10	10 U	10 U	10 U	10 U	10 U
Toluene	10	10 U	10 U	10 U	10 U	10 U
Chlorobenzene	10	10 U	10 U	10 U	10 U	10 U
Ethylbenzene	10	10 U	10 U	10 U	10 U	10 U
Styrene	10	10 U	10 U	10 U	10 U	10 U
Total Xylenes	10	10 U	10 U	10 U	10 U	10 U
Dilution Factor:		1.00	1.00	1.00	1.00	1.00
Associated Method Blank:		K4745	K4878	K4745	K4745	K4878
Associated Equipment Blank:		GLQS005XXX92XX	GLQS005XXX92XX	GLQS005XXX92XX	GLQS005XXX92XX	GLQS005XXX92XX
Associated Field Blank:		-	-	-	-	-
Associated Trip Blank:		GLQT002XXX92XX	GLQT002XXX92XX	GLQT002XXX92XX	GLQT002XXX92XX	GLQT002XXX92XX

Site: MONITORING WELL
#: Level IV Validation J: Estimated B: Blank Contamination D: Diluted Result -: Not Detected
U: Not Detected JJ: Estimated Below CRQL E: Exceeds Calibration Range R: Unusable

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Table 2
Validation / Summary Table

	SAMPLE LOCATION:	GLMW101X1492XD	GLMW101X1492XX	GLMW102X1492XX
	LAB NUMBER:	1478605 #	1478602 #	1478601 #
	DATE SAMPLED:	11/16/92	11/16/92	11/16/92
	DATE ANALYZED:	11/21/92	11/21/92	11/21/92
ANALYTE	SOW-3/90 - II CRQL			
Chloromethane	10	10 UJ	10 U	10 UJ
Bromomethane	10	10 UJ	10 U	10 UJ
Vinyl Chloride	10	10 UJ	10 U	10 UJ
Chloroethane	10	10 UJ	10 U	10 UJ
Methylene Chloride	10	10 UJ	10 UJ	10 UJ
Acetone	10	10 UJ	10 U	10 UJ
Carbon Disulfide	10	10 UJ	10 U	10 UJ
1,1-Dichloroethene	10	10 UJ	10 U	10 UJ
1,1-Dichloroethane	10	10 UJ	10 U	10 UJ
1,2-Dichloroethene (total)	10	10 UJ	10 U	10 UJ
Chloroform	10	10 UJ	10 U	10 UJ
1,2-Dichloroethane	10	10 UJ	10 U	10 UJ
2-Butanone	10	10 UJ	10 U	10 UJ
1,1,1-Trichloroethane	10	10 UJ	10 U	10 UJ
Carbon Tetrachloride	10	10 UJ	10 U	10 UJ
Bromodichloromethane	10	10 UJ	10 U	10 UJ
1,2-Dichloropropane	10	10 UJ	10 U	10 UJ
cis-1,3-Dichloropropene	10	10 UJ	10 U	10 UJ
Trichloroethene	10	10 UJ	10 U	10 UJ
Dibromochloromethane	10	10 UJ	10 U	10 UJ
1,1,2-Trichloroethane	10	10 UJ	10 U	10 UJ
Benzene	10	10 UJ	10 U	10 UJ
trans-1,3-Dichloropropene	10	10 UJ	10 U	10 UJ
Bromoform	10	10 UJ	10 U	10 UJ
4-Methyl-2-Pentanone	10	10 UJ	10 U	10 UJ
2-Hexanone	10	10 UJ	10 U	10 UJ
Tetrachloroethene	10	10 UJ	10 U	10 UJ
1,1,2,2-Tetrachloroethane	10	10 UJ	10 U	10 UJ
Toluene	10	10 UJ	10 U	10 UJ
Chlorobenzene	10	10 UJ	10 U	10 UJ
Ethylbenzene	10	10 UJ	10 U	10 UJ
Styrene	10	10 UJ	10 U	10 UJ
Total Xylenes	10	10 UJ	10 U	10 UJ
Dilution Factor:		1.00	1.00	1.00
Associated Method Blank:		K4745	K4745	K4745
Associated Equipment Blank:		GLQS005XXX92XX	GLQS005XXX92XX	GLQS005XXX92XX
Associated Field Blank:		-	-	-
Associated Trip Blank:		GLQT002XXX92XX	GLQT002XXX92XX	GLQT002XXX92XX

Site: MONITORING WELL
#: Level IV Validation J: Estimated B: Blank Contamination D: Diluted Result -: Not Detected
U: Not Detected JJ: Estimated Below CRQL E: Exceeds Calibration Range R: Unusable

Table 3
Summary Table

	SAMPLE LOCATION:	GLMW101X1492XD	GLMW101X1492XX	GLMW102X1492XX
	LAB NUMBER:	1478605 #	1478602 #	1478601 #
	DATE SAMPLED:	11/16/92	11/16/92	11/16/92
	DATE ANALYZED:	11/21/92	11/21/92	11/21/92
ANALYTE	SOW-3/90 - II CRQL			
Chloromethane	10	-	-	-
Bromomethane	10	-	-	-
Vinyl Chloride	10	-	-	-
Chloroethane	10	-	-	-
Methylene Chloride	10	-	-	-
Acetone	10	-	-	-
Carbon Disulfide	10	-	-	-
1,1-Dichloroethene	10	-	-	-
1,1-Dichloroethane	10	-	-	-
1,2-Dichloroethene (total)	10	-	-	-
Chloroform	10	-	-	-
1,2-Dichloroethane	10	-	-	-
2-Butanone	10	-	-	-
1,1,1-Trichloroethane	10	-	-	-
Carbon Tetrachloride	10	-	-	-
Bromodichloromethane	10	-	-	-
1,2-Dichloropropane	10	-	-	-
cis-1,3-Dichloropropene	10	-	-	-
Trichloroethene	10	-	-	-
Dibromochloromethane	10	-	-	-
1,1,2-Trichloroethane	10	-	-	-
Benzene	10	-	-	-
trans-1,3-Dichloropropene	10	-	-	-
Bromoform	10	-	-	-
4-Methyl-2-Pentanone	10	-	-	-
2-Hexanone	10	-	-	-
Tetrachloroethene	10	-	-	-
1,1,2,2-Tetrachloroethane	10	-	-	-
Toluene	10	-	-	-
Chlorobenzene	10	-	-	-
Ethylbenzene	10	-	-	-
Styrene	10	-	-	-
Total Xylenes	10	-	-	-
Dilution Factor:		1.00	1.00	1.00
Associated Method Blank:		K4745	K4745	K4745
Associated Equipment Blank:		GLQS005XXX92XX	GLQS005XXX92XX	GLQS005XXX92XX
Associated Field Blank:		-	-	-
Associated Trip Blank:		GLQT002XXX92XX	GLQT002XXX92XX	GLQT002XXX92XX

Site: MONITORING WELL
#: Level IV Validation J: Estimated B: Blank Contamination D: Diluted Result -: Not Detected
U: Not Detected JJ: Estimated Below CRQL E: Exceeds Calibration Range R: Unusable

Table 1
Laboratory Report of Analysis

ANALYTE	SOW-3/90 - II CRQL	SAMPLE LOCATION: GLQS001XXX92XX	GLQS001XXX92XX	GLQS002XXX92XX	GLQS002XXX92XX	GLQS003XXX92XX	GLQS003XXX92XX	GLQS005XXX92XX	GLQS005XXX92XX
		LAB NUMBER: 1451905	1451905 R	1451906	1451906 R	1451907	1451907 R	1478606	1478606 R
		DATE SAMPLED: 10/27/92	10/27/92	10/27/92	10/27/92	10/27/92	10/27/92	11/16/92	11/16/92
		DATE ANALYZED: 11/04/92	11/07/92	11/04/92	11/07/92	11/04/92	11/07/92	11/21/92	12/01/92
Chloromethane	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromomethane	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Vinyl Chloride	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroethane	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene Chloride	10	3 J	3 BJ	3 J	4 BJ	10 U	4 BJ	10 U	31
Acetone	10	10 U	10 U	10 U	10 U	10 U	10 U	16	10 U
Carbon Disulfide	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1-Dichloroethene	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1-Dichloroethane	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichloroethene (total)	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroform	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichloroethane	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Butanone	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Carbon Tetrachloride	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromodichloromethane	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichloropropane	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
cis-1,3-Dichloropropene	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trichloroethene	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibromochloromethane	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1,2-Trichloroethane	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
trans-1,3-Dichloropropene	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromoform	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Methyl-2-Pentanone	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Tetrachloroethene	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1,2,2-Tetrachloroethane	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Toluene	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chlorobenzene	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Ethylbenzene	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Styrene	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total Xylenes	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dilution Factor:		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Associated Method Blank:		C9735	D2907	C9735	D2907	C9735	D2907	K4745	K4878
Associated Equipment Blank:		-	-	-	-	-	-	-	-
Associated Field Blank:		-	-	-	-	-	-	-	-
Associated Trip Blank:		-	-	-	-	-	-	-	-

Site: EQUIPMENT RINSATE
U: Not Detected JJ: Estimated Below CRQL E: Exceeds Calibration Range R: Unusable
J: Estimated B: Blank Contamination D: Diluted Result -: Not Detected

Table 1
Laboratory Report of Analysis

	SAMPLE LOCATION:	GLQT001XXX92XX	GLQT002XXX92XX	GLQT002XXX92XX
	LAB NUMBER:	1451918	1478607	1478607 R
	DATE SAMPLED:	10/27/92	11/16/92	11/16/92
	DATE ANALYZED:	11/04/92	11/21/92	12/01/92
ANALYTE	SOW-3/90 - II CRQL			
Chloromethane	10	10 U	10 U	10 U
Bromomethane	10	10 U	10 U	10 U
Vinyl Chloride	10	10 U	10 U	10 U
Chloroethane	10	10 U	10 U	10 U
Methylene Chloride	10	4 J	10 U	49
Acetone	10	10 U	10 U	10 U
Carbon Disulfide	10	10 U	10 U	10 U
1,1-Dichloroethene	10	10 U	10 U	10 U
1,1-Dichloroethane	10	10 U	10 U	10 U
1,2-Dichloroethene (total)	10	10 U	10 U	10 U
Chloroform	10	10 U	10 U	10 U
1,2-Dichloroethane	10	10 U	10 U	10 U
2-Butanone	10	10 U	10 U	10 U
1,1,1-Trichloroethane	10	10 U	10 U	10 U
Carbon Tetrachloride	10	10 U	10 U	10 U
Bromodichloromethane	10	10 U	10 U	10 U
1,2-Dichloropropane	10	10 U	10 U	10 U
cis-1,3-Dichloropropene	10	10 U	10 U	10 U
Trichloroethene	10	10 U	10 U	10 U
Dibromochloromethane	10	10 U	10 U	10 U
1,1,2-Trichloroethane	10	10 U	10 U	10 U
Benzene	10	10 U	10 U	10 U
trans-1,3-Dichloropropene	10	10 U	10 U	10 U
Bromoform	10	10 U	10 U	10 U
4-Methyl-2-Pentanone	10	10 U	10 U	10 U
2-Hexanone	10	10 U	10 U	10 U
Tetrachloroethene	10	10 U	10 U	10 U
1,1,2,2-Tetrachloroethane	10	10 U	10 U	10 U
Toluene	10	10 U	2 J	10 U
Chlorobenzene	10	10 U	10 U	10 U
Ethylbenzene	10	10 U	10 U	10 U
Styrene	10	10 U	10 U	10 U
Total Xylenes	10	10 U	10 U	10 U
Dilution Factor:		1.00	1.00	1.00
Associated Method Blank:		C9735	K4745	K4878
Associated Equipment Blank:		-	-	-
Associated Field Blank:		-	-	-
Associated Trip Blank:		-	-	-

Site: TRIP BLANK
U: Not Detected JJ: Estimated Below CRQL E: Exceeds Calibration Range R: Unusable
J: Estimated B: Blank Contamination D: Diluted Result -: Not Detected

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Table 1
Laboratory Report of Analysis

	SAMPLE LOCATION:	GLSW101XXX92XX	GLSW102XXX92XX	GLSW103XXX92XD	GLSW103XXX92XX	GLSW104XXX92XX
	LAB NUMBER:	1450901 #	1450902 #	1451904 #	1451901 #	1454001 #
	DATE SAMPLED:	10/26/92	10/26/92	10/27/92	10/27/92	10/28/92
	DATE ANALYZED:	11/02/92	11/02/92	11/04/92	11/04/92	11/04/92
ANALYTE	SOW-3/90 - II CRQL					
Chloromethane	10	10 U	10 U	10 U	10 U	10 U
Bromomethane	10	10 U	10 U	10 U	10 U	10 U
Vinyl Chloride	10	10 U	10 U	10 U	10 U	10 U
Chloroethane	10	10 U	10 U	10 U	10 U	10 U
Methylene Chloride	10	3 J	10 U	3 J	4 J	2 J
Acetone	10	40	10 U	10 U	10 U	10 U
Carbon Disulfide	10	10 U	10 U	10 U	10 U	10 U
1,1-Dichloroethene	10	10 U	10 U	10 U	10 U	10 U
1,1-Dichloroethane	10	10 U	10 U	10 U	10 U	10 U
1,2-Dichloroethene (total)	10	10 U	10 U	10 U	10 U	10 U
Chloroform	10	10 U	10	4 J	4 J	10 U
1,2-Dichloroethane	10	10 U	10 U	10 U	10 U	10 U
2-Butanone	10	10 U	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane	10	10 U	10 U	10 U	10 U	10 U
Carbon Tetrachloride	10	10 U	10 U	10 U	10 U	10 U
Bromodichloromethane	10	10 U	4 J	2 J	2 J	10 U
1,2-Dichloropropane	10	10 U	10 U	10 U	10 U	10 U
cis-1,3-Dichloropropene	10	10 U	10 U	10 U	10 U	10 U
Trichloroethene	10	10 U	10 U	10 U	10 U	10 U
Dibromochloromethane	10	10 U	10 U	10 U	10 U	10 U
1,1,2-Trichloroethane	10	10 U	10 U	10 U	10 U	10 U
Benzene	10	10 U	10 U	10 U	10 U	10 U
trans-1,3-Dichloropropene	10	10 U	10 U	10 U	10 U	10 U
Bromoform	10	10 U	10 U	10 U	10 U	10 U
4-Methyl-2-Pentanone	10	10 U	10 U	10 U	10 U	10 U
2-Hexanone	10	10 U	10 U	10 U	10 U	10 U
Tetrachloroethene	10	10 U	10 U	10 U	10 U	10 U
1,1,2,2-Tetrachloroethane	10	10 U	10 U	10 U	10 U	3 J
Toluene	10	10 U	10 U	1 J	10 U	10 U
Chlorobenzene	10	10 U	10 U	10 U	10 U	10 U
Ethylbenzene	10	10 U	10 U	10 U	10 U	10 U
Styrene	10	10 U	10 U	10 U	10 U	10 U
Total Xylenes	10	10 U	10 U	10 U	10 U	10 U
Dilution Factor:		1.00	1.00	1.00	1.00	1.00
Associated Method Blank:		D2795	D2795	C9735	C9735	D2832
Associated Equipment Blank:		GLQS001XXX92XX	GLQS001XXX92XX	GLQS001XXX92XX	GLQS001XXX92XX	GLQS001XXX92XX
Associated Field Blank:		-	-	-	-	-
Associated Trip Blank:		-	-	GLQT001XXX92XX	GLQT001XXX92XX	-

Site: SURFACE WATER
#: Level IV Validation J: Estimated B: Blank Contamination D: Diluted Result -: Not Detected
U: Not Detected JJ: Estimated Below CRQL E: Exceeds Calibration Range R: Unusable

Table 2
Validation / Summary Table

	SAMPLE LOCATION:	GLSW101XXX92XX	GLSW102XXX92XX	GLSW103XXX92XD	GLSW103XXX92XX	GLSW104XXX92XX
	LAB NUMBER:	1450901 #	1450902 #	1451904 #	1451901 #	1454001 #
	DATE SAMPLED:	10/26/92	10/26/92	10/27/92	10/27/92	10/28/92
	DATE ANALYZED:	11/02/92	11/02/92	11/04/92	11/04/92	11/04/92
ANALYTE	SOW-3/90 - II CRQL					
Chloromethane	10	10 UJ	10 UJ	10 UJ	10 UJ	10 U
Bromomethane	10	10 U	10 U	10 U	10 UJ	10 U
Vinyl Chloride	10	10 U	10 U	10 UJ	10 UJ	10 U
Chloroethane	10	10 U	10 U	10 U	10 UJ	10 U
Methylene Chloride	10	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Acetone	10	40 J	10 UJ	10 U	10 UJ	10 UJ
Carbon Disulfide	10	10 U	10 U	10 U	10 UJ	10 U
1,1-Dichloroethene	10	10 U	10 U	10 U	10 UJ	10 U
1,1-Dichloroethane	10	10 U	10 U	10 U	10 UJ	10 U
1,2-Dichloroethene (total)	10	10 U	10 U	10 U	10 UJ	10 U
Chloroform	10	10 U	10	4 JJ	4 JJ	10 U
1,2-Dichloroethane	10	10 U	10 U	10 U	10 UJ	10 U
2-Butanone	10	10 U	10 U	10 U	10 UJ	10 U
1,1,1-Trichloroethane	10	10 U	10 U	10 U	10 UJ	10 U
Carbon Tetrachloride	10	10 U	10 U	10 U	10 UJ	10 U
Bromodichloromethane	10	10 U	4 JJ	2 JJ	2 JJ	10 U
1,2-Dichloropropane	10	10 U	10 U	10 U	10 UJ	10 U
cis-1,3-Dichloropropene	10	10 U	10 U	10 U	10 UJ	10 U
Trichloroethene	10	10 U	10 U	10 U	10 UJ	10 U
Dibromochloromethane	10	10 U	10 U	10 U	10 UJ	10 U
1,1,2-Trichloroethane	10	10 U	10 U	10 U	10 UJ	10 U
Benzene	10	10 U	10 U	10 U	10 UJ	10 U
trans-1,3-Dichloropropene	10	10 U	10 U	10 U	10 UJ	10 U
Bromoform	10	10 U	10 U	10 U	10 UJ	10 U
4-Methyl-2-Pentanone	10	10 U	10 U	10 U	10 UJ	10 U
2-Hexanone	10	10 UJ	10 UJ	10 U	10 UJ	10 U
Tetrachloroethene	10	10 U	10 U	10 U	10 UJ	10 U
1,1,2,2-Tetrachloroethane	10	10 U	10 U	10 U	10 UJ	3 JJ
Toluene	10	10 U	10 U	1 JJ	10 UJ	10 U
Chlorobenzene	10	10 U	10 U	10 U	10 UJ	10 U
Ethylbenzene	10	10 U	10 U	10 U	10 UJ	10 U
Styrene	10	10 U	10 U	10 UJ	10 UJ	10 U
Total Xylenes	10	10 U	10 U	10 U	10 UJ	10 U
Dilution Factor:		1.00	1.00	1.00	1.00	1.00
Associated Method Blank:		D2795	D2795	C9735	C9735	D2832
Associated Equipment Blank:		GLQS001XXX92XX	GLQS001XXX92XX	GLQS001XXX92XX	GLQS001XXX92XX	GLQS001XXX92XX
Associated Field Blank:		-	-	-	-	-
Associated Trip Blank:		-	-	GLQT001XXX92XX	GLQT001XXX92XX	-

Site: SURFACE WATER
#: Level IV Validation J: Estimated B: Blank Contamination D: Diluted Result -: Not Detected
U: Not Detected JJ: Estimated Below CRQL E: Exceeds Calibration Range R: Unusable

Table 3
Summary Table

	SAMPLE LOCATION:	GLSW101XXX92XX	GLSW102XXX92XX	GLSW103XXX92XD	GLSW103XXX92XX	GLSW104XXX92XX
	LAB NUMBER:	1450901 #	1450902 #	1451904 #	1451901 #	1454001 #
	DATE SAMPLED:	10/26/92	10/26/92	10/27/92	10/27/92	10/28/92
	DATE ANALYZED:	11/02/92	11/02/92	11/04/92	11/04/92	11/04/92
ANALYTE	SOW-3/90 - II CRQL					
Chloromethane	10	-	-	-	-	-
Bromomethane	10	-	-	-	-	-
Vinyl Chloride	10	-	-	-	-	-
Chloroethane	10	-	-	-	-	-
Methylene Chloride	10	-	-	-	-	-
Acetone	10	40 J	-	-	-	-
Carbon Disulfide	10	-	-	-	-	-
1,1-Dichloroethene	10	-	-	-	-	-
1,1-Dichloroethane	10	-	-	-	-	-
1,2-Dichloroethene (total)	10	-	-	-	-	-
Chloroform	10	-	10	4 JJ	4 JJ	-
1,2-Dichloroethane	10	-	-	-	-	-
2-Butanone	10	-	-	-	-	-
1,1,1-Trichloroethane	10	-	-	-	-	-
Carbon Tetrachloride	10	-	-	-	-	-
Bromodichloromethane	10	-	4 JJ	2 JJ	2 JJ	-
1,2-Dichloropropane	10	-	-	-	-	-
cis-1,3-Dichloropropene	10	-	-	-	-	-
Trichloroethene	10	-	-	-	-	-
Dibromochloromethane	10	-	-	-	-	-
1,1,2-Trichloroethane	10	-	-	-	-	-
Benzene	10	-	-	-	-	-
trans-1,3-Dichloropropene	10	-	-	-	-	-
Bromoform	10	-	-	-	-	-
4-Methyl-2-Pentanone	10	-	-	-	-	-
2-Hexanone	10	-	-	-	-	-
Tetrachloroethene	10	-	-	-	-	-
1,1,2,2-Tetrachloroethane	10	-	-	-	-	3 JJ
Toluene	10	-	-	1 JJ	-	-
Chlorobenzene	10	-	-	-	-	-
Ethylbenzene	10	-	-	-	-	-
Styrene	10	-	-	-	-	-
Total Xylenes	10	-	-	-	-	-
Dilution Factor:		1.00	1.00	1.00	1.00	1.00
Associated Method Blank:		D2795	D2795	C9735	C9735	D2832
Associated Equipment Blank:		GLQS001XXX92XX	GLQS001XXX92XX	GLQS001XXX92XX	GLQS001XXX92XX	GLQS001XXX92XX
Associated Field Blank:		-	-	-	-	-
Associated Trip Blank:		-	-	GLQT001XXX92XX	GLQT001XXX92XX	-

Site: SURFACE WATER
#: Level IV Validation J: Estimated B: Blank Contamination D: Diluted Result -: Not Detected
U: Not Detected JJ: Estimated Below CRQL E: Exceeds Calibration Range R: Unusable

Table 1
Laboratory Report of Analysis

ANALYTE	SOW-3/90 - II CRQL	SAMPLE LOCATION: GLSD101XXX92XX LAB NUMBER: 1450903 # DATE SAMPLED: 10/26/92 DATE ANALYZED: 11/02/92	GLSD103XXX92XD 1451908 # 10/27/92 11/01/92	GLSD103XXX92XX 1451909 # 10/27/92 11/01/92	GLSD104XXX92XX 1454002 # 10/28/92 11/04/92
Chloromethane	10	16 U	13 U	13 U	21 U
Bromomethane	10	16 U	13 U	13 U	21 U
Vinyl Chloride	10	4 J	13 U	13 U	21 U
Chloroethane	10	48	13 U	13 U	21 U
Methylene Chloride	10	9 BJ	13 U	13 U	9 J
Acetone	10	16 U	13 U	13 U	21 U
Carbon Disulfide	10	16 U	13 U	13 U	21 U
1,1-Dichloroethene	10	16 U	13 U	13 U	21 U
1,1-Dichloroethane	10	26	13 U	13 U	21 U
1,2-Dichloroethene (total)	10	16 U	13 U	13 U	21 U
Chloroform	10	16 U	13 U	13 U	21 U
1,2-Dichloroethane	10	16 U	13 U	13 U	21 U
2-Butanone	10	16 U	13 U	13 U	21 U
1,1,1-Trichloroethane	10	16 U	13 U	13 U	21 U
Carbon Tetrachloride	10	16 U	13 U	13 U	21 U
Bromodichloromethane	10	16 U	13 U	13 U	21 U
1,2-Dichloropropane	10	16 U	13 U	13 U	21 U
cis-1,3-Dichloropropene	10	16 U	13 U	13 U	21 U
Trichloroethene	10	16 U	13 U	13 U	21 U
Dibromochloromethane	10	16 U	13 U	13 U	21 U
1,1,2-Trichloroethane	10	16 U	13 U	13 U	21 U
Benzene	10	16 U	13 U	13 U	21 U
trans-1,3-Dichloropropene	10	16 U	13 U	13 U	21 U
Bromoform	10	16 U	13 U	13 U	21 U
4-Methyl-2-Pentanone	10	16 U	13 U	13 U	21 U
2-Hexanone	10	16 U	13 U	13 U	21 U
Tetrachloroethene	10	16 U	13 U	13 U	21 U
1,1,2,2-Tetrachloroethane	10	16 U	13 U	13 U	21 U
Toluene	10	16 U	25	15	21 U
Chlorobenzene	10	16 U	13 U	13 U	21 U
Ethylbenzene	10	16 U	9 J	8 J	21 U
Styrene	10	16 U	13 U	13 U	21 U
Total Xylenes	10	16 U	53	43	21 U
Dilution Factor:		1.00	1.00	1.00	1.00
Percent Solids:		62	75	78	47
Associated Method Blank:		K4466	E8278	E8278	E8327
Associated Equipment Blank:		GLQS002XXX92XX	GLQS002XXX92XX	GLQS002XXX92XX	GLQS002XXX92XX
Associated Field Blank:		-	-	-	-
Associated Trip Blank:		-	-	-	-

Site: SEDIMENT
#: Level IV Validation J: Estimated B: Blank Contamination D: Diluted Result -: Not Detected
U: Not Detected JJ: Estimated Below CRQL E: Exceeds Calibration Range R: Unusable

Table 2
Validation / Summary Table

ANALYTE	SOW-3/90 - II CRQL	SAMPLE LOCATION: GLSD101XXX92XX LAB NUMBER: 1450903 # DATE SAMPLED: 10/26/92 DATE ANALYZED: 11/02/92	SAMPLE LOCATION: GLSD103XXX92XD LAB NUMBER: 1451908 # DATE SAMPLED: 10/27/92 DATE ANALYZED: 11/01/92	SAMPLE LOCATION: GLSD103XXX92XX LAB NUMBER: 1451909 # DATE SAMPLED: 10/27/92 DATE ANALYZED: 11/01/92	SAMPLE LOCATION: GLSD104XXX92XX LAB NUMBER: 1454002 # DATE SAMPLED: 10/28/92 DATE ANALYZED: 11/04/92
Chloromethane	10	16 U	13 U	13 U	21 UJ
Bromomethane	10	16 UJ	13 U	13 U	21 UJ
Vinyl Chloride	10	4 JJ	13 U	13 U	21 UJ
Chloroethane	10	48 J	13 U	13 U	21 UJ
Methylene Chloride	10	10 UJ	13 UJ	13 UJ	21 UJ
Acetone	10	16 UJ	13 UJ	13 UJ	21 UJ
Carbon Disulfide	10	16 U	13 U	13 U	21 UJ
1,1-Dichloroethene	10	16 UJ	13 U	13 U	21 UJ
1,1-Dichloroethane	10	26	13 U	13 U	21 UJ
1,2-Dichloroethene (total)	10	16 U	13 U	13 U	21 UJ
Chloroform	10	16 U	13 U	13 U	21 UJ
1,2-Dichloroethane	10	16 U	13 U	13 U	21 UJ
2-Butanone	10	16 U	13 U	13 U	21 UJ
1,1,1-Trichloroethane	10	16 U	13 U	13 U	21 UJ
Carbon Tetrachloride	10	16 U	13 U	13 U	21 UJ
Bromodichloromethane	10	16 U	13 U	13 U	21 UJ
1,2-Dichloropropane	10	16 U	13 U	13 U	21 UJ
cis-1,3-Dichloropropene	10	16 U	13 U	13 U	21 UJ
Trichloroethene	10	16 U	13 U	13 U	21 UJ
Dibromochloromethane	10	16 U	13 U	13 U	21 UJ
1,1,2-Trichloroethane	10	16 U	13 U	13 U	21 UJ
Benzene	10	16 U	13 U	13 U	21 UJ
trans-1,3-Dichloropropene	10	16 U	13 U	13 U	21 UJ
Bromoform	10	16 U	13 U	13 U	21 UJ
4-Methyl-2-Pentanone	10	16 U	13 U	13 U	21 UJ
2-Hexanone	10	16 U	13 U	13 U	21 UJ
Tetrachloroethene	10	16 U	13 U	13 U	21 UJ
1,1,2,2-Tetrachloroethane	10	16 U	13 U	13 U	21 UJ
Toluene	10	16 U	25	15	21 UJ
Chlorobenzene	10	16 U	13 U	13 U	21 UJ
Ethylbenzene	10	16 U	9 JJ	8 JJ	21 UJ
Styrene	10	16 U	13 U	13 U	21 UJ
Total Xylenes	10	16 U	53	43	21 UJ
Dilution Factor:		1.00	1.00	1.00	1.00
Percent Solids:		62	75	78	47
Associated Method Blank:		K4466	E8278	E8278	E8327
Associated Equipment Blank:		GLQS002XXX92XX	GLQS002XXX92XX	GLQS002XXX92XX	GLQS002XXX92XX
Associated Field Blank:		-	-	-	-
Associated Trip Blank:		-	-	-	-

Site: SEDIMENT
#: Level IV Validation J: Estimated B: Blank Contamination D: Diluted Result -: Not Detected
U: Not Detected JJ: Estimated Below CRQL E: Exceeds Calibration Range R: Unusable

Table 3
Summary Table

	SAMPLE LOCATION:	GLSD101XXX92XX	GLSD103XXX92XD	GLSD103XXX92XX	GLSD104XXX92XX
	LAB NUMBER:	1450903 #	1451908 #	1451909 #	1454002 #
	DATE SAMPLED:	10/26/92	10/27/92	10/27/92	10/28/92
	DATE ANALYZED:	11/02/92	11/01/92	11/01/92	11/04/92
ANALYTE	SOW-3/90 - II CRQL				
Chloromethane	10	-	-	-	-
Bromomethane	10	-	-	-	-
Vinyl Chloride	10	4 JJ	-	-	-
Chloroethane	10	48 J	-	-	-
Methylene Chloride	10	-	-	-	-
Acetone	10	-	-	-	-
Carbon Disulfide	10	-	-	-	-
1,1-Dichloroethene	10	-	-	-	-
1,1-Dichloroethane	10	26	-	-	-
1,2-Dichloroethene (total)	10	-	-	-	-
Chloroform	10	-	-	-	-
1,2-Dichloroethane	10	-	-	-	-
2-Butanone	10	-	-	-	-
1,1,1-Trichloroethane	10	-	-	-	-
Carbon Tetrachloride	10	-	-	-	-
Bromodichloromethane	10	-	-	-	-
1,2-Dichloropropane	10	-	-	-	-
cis-1,3-Dichloropropene	10	-	-	-	-
Trichloroethene	10	-	-	-	-
Dibromochloromethane	10	-	-	-	-
1,1,2-Trichloroethane	10	-	-	-	-
Benzene	10	-	-	-	-
trans-1,3-Dichloropropene	10	-	-	-	-
Bromoform	10	-	-	-	-
4-Methyl-2-Pentanone	10	-	-	-	-
2-Hexanone	10	-	-	-	-
Tetrachloroethene	10	-	-	-	-
1,1,2,2-Tetrachloroethane	10	-	-	-	-
Toluene	10	-	25	15	-
Chlorobenzene	10	-	-	-	-
Ethylbenzene	10	-	9 JJ	8 JJ	-
Styrene	10	-	-	-	-
Total Xylenes	10	-	53	43	-
Dilution Factor:		1.00	1.00	1.00	1.00
Percent Solids:		62	75	78	47
Associated Method Blank:		K4466	E8278	E8278	E8327
Associated Equipment Blank:		GLQS002XXX92XX	GLQS002XXX92XX	GLQS002XXX92XX	GLQS002XXX92XX
Associated Field Blank:		-	-	-	-
Associated Trip Blank:		-	-	-	-

Site: SEDIMENT
#: Level IV Validation J: Estimated B: Blank Contamination D: Diluted Result -: Not Detected
U: Not Detected JJ: Estimated Below CRQL E: Exceeds Calibration Range R: Unusable

Table 1
Laboratory Report of Analysis

ANALYTE	SOW-3/90 - II CRQL	SAMPLE LOCATION: GLTB104X0492XX	GLTB105X0292XX	GLTB106X0692XX	GLTB107X0292XX	GLTB108X0492XX
		LAB NUMBER: 1451914 #	1451915 #	1451916 #	1451917 #	1451913 #
		DATE SAMPLED: 10/27/92	10/27/92	10/27/92	10/27/92	10/27/92
		DATE ANALYZED: 11/04/92	11/04/92	11/04/92	11/04/92	11/01/92
Chloromethane	10	11 U	12 U	11 U	13 U	11 U
Bromomethane	10	11 U	12 U	11 U	13 U	11 U
Vinyl Chloride	10	11 U	12 U	11 U	13 U	11 U
Chloroethane	10	11 U	12 U	11 U	13 U	11 U
Methylene Chloride	10	11 U	9 J	12	4 J	11 U
Acetone	10	11 U	12 U	11 U	13 U	11 U
Carbon Disulfide	10	11 U	12 U	11 U	13 U	11 U
1,1-Dichloroethene	10	11 U	12 U	11 U	13 U	11 U
1,1-Dichloroethane	10	11 U	12 U	11 U	13 U	11 U
1,2-Dichloroethene (total)	10	11 U	12 U	11 U	13 U	11 U
Chloroform	10	11 U	12 U	11 U	13 U	11 U
1,2-Dichloroethane	10	11 U	12 U	11 U	13 U	11 U
2-Butanone	10	11 U	12 U	11 U	13 U	11 U
1,1,1-Trichloroethane	10	11 U	12 U	11 U	13 U	11 U
Carbon Tetrachloride	10	11 U	12 U	11 U	13 U	11 U
Bromodichloromethane	10	11 U	12 U	11 U	13 U	11 U
1,2-Dichloropropane	10	11 U	12 U	11 U	13 U	11 U
cis-1,3-Dichloropropene	10	11 U	12 U	11 U	13 U	11 U
Trichloroethene	10	11 U	12 U	11 U	13 U	11 U
Dibromochloromethane	10	11 U	12 U	11 U	13 U	11 U
1,1,2-Trichloroethane	10	11 U	12 U	11 U	13 U	11 U
Benzene	10	11 U	12 U	11 U	13 U	11 U
trans-1,3-Dichloropropene	10	11 U	12 U	11 U	13 U	11 U
Bromoform	10	11 U	12 U	11 U	13 U	11 U
4-Methyl-2-Pentanone	10	11 U	12 U	11 U	13 U	11 U
2-Hexanone	10	11 U	12 U	11 U	13 U	11 U
Tetrachloroethene	10	11 U	12 U	11 U	13 U	11 U
1,1,2,2-Tetrachloroethane	10	11 U	12 U	11 U	13 U	11 U
Toluene	10	11 U	12 U	11 U	13 U	11 U
Chlorobenzene	10	11 U	12 U	11 U	13 U	11 U
Ethylbenzene	10	11 U	12 U	11 U	13 U	11 U
Styrene	10	11 U	12 U	11 U	13 U	11 U
Total Xylenes	10	11 U	12 U	11 U	13 U	11 U
Dilution Factor:		1.00	1.00	1.00	1.00	1.00
Percent Solids:		92	84	92	76	88
Associated Method Blank:		E8327	E8327	E8327	E8327	E8278
Associated Equipment Blank:		GLQS003XXX92XX	GLQS003XXX92XX	GLQS003XXX92XX	GLQS003XXX92XX	GLQS002XXX92XX
Associated Field Blank:		-	-	-	-	-
Associated Trip Blank:		-	-	-	-	-

Site: TEST BORING
#: Level IV Validation J: Estimated B: Blank Contamination D: Diluted Result -: Not Detected
U: Not Detected JJ: Estimated Below CRQL E: Exceeds Calibration Range R: Unusable

Table 2
Validation / Summary Table

ANALYTE	SOW-3/90 - II CRQL	SAMPLE LOCATION: GLTB104X0492XX	GLTB105X0292XX	GLTB106X0692XX	GLTB107X0292XX	GLTB108X0492XX
		LAB NUMBER: 1451914 #	1451915 #	1451916 #	1451917 #	1451913 #
		DATE SAMPLED: 10/27/92	10/27/92	10/27/92	10/27/92	10/27/92
		DATE ANALYZED: 11/04/92	11/04/92	11/04/92	11/04/92	11/01/92
Chloromethane	10	11 U	12 U	11 U	13 U	11 U
Bromomethane	10	11 U	12 U	11 U	13 U	11 U
Vinyl Chloride	10	11 U	12 U	11 U	13 U	11 U
Chloroethane	10	11 U	12 U	11 U	13 U	11 U
Methylene Chloride	10	11 U	12 U	12 U	13 U	11 UJ
Acetone	10	11 UJ	12 UJ	11 UJ	13 UJ	11 UJ
Carbon Disulfide	10	11 U	12 U	11 U	13 U	11 U
1,1-Dichloroethene	10	11 U	12 U	11 U	13 U	11 U
1,1-Dichloroethane	10	11 U	12 U	11 U	13 U	11 U
1,2-Dichloroethene (total)	10	11 U	12 U	11 U	13 U	11 U
Chloroform	10	11 U	12 U	11 U	13 U	11 U
1,2-Dichloroethane	10	11 U	12 U	11 U	13 U	11 U
2-Butanone	10	11 U	12 U	11 U	13 U	11 U
1,1,1-Trichloroethane	10	11 U	12 U	11 U	13 U	11 U
Carbon Tetrachloride	10	11 U	12 U	11 U	13 U	11 U
Bromodichloromethane	10	11 U	12 U	11 U	13 U	11 U
1,2-Dichloropropane	10	11 U	12 U	11 U	13 U	11 U
cis-1,3-Dichloropropene	10	11 U	12 U	11 U	13 U	11 U
Trichloroethene	10	11 U	12 U	11 U	13 U	11 U
Dibromochloromethane	10	11 U	12 U	11 U	13 U	11 U
1,1,2-Trichloroethane	10	11 U	12 U	11 U	13 U	11 U
Benzene	10	11 U	12 U	11 U	13 U	11 U
trans-1,3-Dichloropropene	10	11 U	12 U	11 U	13 U	11 U
Bromoform	10	11 U	12 U	11 U	13 U	11 U
4-Methyl-2-Pentanone	10	11 U	12 U	11 U	13 U	11 U
2-Hexanone	10	11 U	12 U	11 U	13 U	11 U
Tetrachloroethene	10	11 U	12 U	11 U	13 U	11 U
1,1,2,2-Tetrachloroethane	10	11 U	12 U	11 U	13 U	11 U
Toluene	10	11 U	12 U	11 U	13 U	11 U
Chlorobenzene	10	11 U	12 U	11 U	13 U	11 U
Ethylbenzene	10	11 U	12 U	11 U	13 U	11 U
Styrene	10	11 U	12 U	11 U	13 U	11 U
Total Xylenes	10	11 U	12 U	11 U	13 U	11 U
Dilution Factor:		1.00	1.00	1.00	1.00	1.00
Percent Solids:		92	84	92	76	88
Associated Method Blank:		E8327	E8327	E8327	E8327	E8278
Associated Equipment Blank:		GLQS003XXX92XX	GLQS003XXX92XX	GLQS003XXX92XX	GLQS003XXX92XX	GLQS002XXX92XX
Associated Field Blank:		-	-	-	-	-
Associated Trip Blank:		-	-	-	-	-

Site: TEST BORING
#: Level IV Validation J: Estimated B: Blank Contamination D: Diluted Result -: Not Detected
U: Not Detected JJ: Estimated Below CRQL E: Exceeds Calibration Range R: Unusable

Table 3
Summary Table

	SAMPLE LOCATION:	GLTB104X0492XX	GLTB105X0292XX	GLTB106X0692XX	GLTB107X0292XX	GLTB108X0492XX
	LAB NUMBER:	1451914 #	1451915 #	1451916 #	1451917 #	1451913 #
	DATE SAMPLED:	10/27/92	10/27/92	10/27/92	10/27/92	10/27/92
	DATE ANALYZED:	11/04/92	11/04/92	11/04/92	11/04/92	11/01/92
ANALYTE	SOW-3/90 - II CRQL					
Chloromethane	10	-	-	-	-	-
Bromomethane	10	-	-	-	-	-
Vinyl Chloride	10	-	-	-	-	-
Chloroethane	10	-	-	-	-	-
Methylene Chloride	10	-	-	-	-	-
Acetone	10	-	-	-	-	-
Carbon Disulfide	10	-	-	-	-	-
1,1-Dichloroethene	10	-	-	-	-	-
1,1-Dichloroethane	10	-	-	-	-	-
1,2-Dichloroethene (total)	10	-	-	-	-	-
Chloroform	10	-	-	-	-	-
1,2-Dichloroethane	10	-	-	-	-	-
2-Butanone	10	-	-	-	-	-
1,1,1-Trichloroethane	10	-	-	-	-	-
Carbon Tetrachloride	10	-	-	-	-	-
Bromodichloromethane	10	-	-	-	-	-
1,2-Dichloropropane	10	-	-	-	-	-
cis-1,3-Dichloropropene	10	-	-	-	-	-
Trichloroethene	10	-	-	-	-	-
Dibromochloromethane	10	-	-	-	-	-
1,1,2-Trichloroethane	10	-	-	-	-	-
Benzene	10	-	-	-	-	-
trans-1,3-Dichloropropene	10	-	-	-	-	-
Bromoform	10	-	-	-	-	-
4-Methyl-2-Pentanone	10	-	-	-	-	-
2-Hexanone	10	-	-	-	-	-
Tetrachloroethene	10	-	-	-	-	-
1,1,2,2-Tetrachloroethane	10	-	-	-	-	-
Toluene	10	-	-	-	-	-
Chlorobenzene	10	-	-	-	-	-
Ethylbenzene	10	-	-	-	-	-
Styrene	10	-	-	-	-	-
Total Xylenes	10	-	-	-	-	-
Dilution Factor:		1.00	1.00	1.00	1.00	1.00
Percent Solids:		92	84	92	76	88
Associated Method Blank:		E8327	E8327	E8327	E8327	E8278
Associated Equipment Blank:		GLQS003XXX92XX	GLQS003XXX92XX	GLQS003XXX92XX	GLQS003XXX92XX	GLQS002XXX92XX
Associated Field Blank:		-	-	-	-	-
Associated Trip Blank:		-	-	-	-	-

Site: TEST BORING
#: Level IV Validation J: Estimated B: Blank Contamination D: Diluted Result -: Not Detected
U: Not Detected JJ: Estimated Below CRQL E: Exceeds Calibration Range R: Unusable

Table 1
Laboratory Report of Analysis

	SAMPLE LOCATION:	GLMW101X1492XD	GLMW101X1492XX	GLMW102X1492XX
	LAB NUMBER:	1478605 #	1478602 #	1478601 #
	DATE SAMPLED:	11/16/92	11/16/92	11/16/92
	DATE EXTRACTED:	11/20/92	11/20/92	11/20/92
	DATE ANALYZED:	12/16/92	12/16/92	12/16/92
ANALYTE	SOW-3/90 - II CRQL			
Phenol	10	10 U	10 U	10 U
bis(2-Chloroethyl)ether	10	10 U	10 U	10 U
2-Chlorophenol	10	10 U	10 U	10 U
1,3-Dichlorobenzene	10	10 U	10 U	10 U
1,4-Dichlorobenzene	10	10 U	10 U	10 U
1,2-Dichlorobenzene	10	10 U	10 U	10 U
2-Methylphenol	10	10 U	10 U	10 U
2,2'-oxybis(1-Chloropropane)	10	10 U	10 U	10 U
4-Methylphenol	10	10 U	10 U	10 U
N-Nitroso-di-n-propylamine	10	10 U	10 U	10 U
Hexachloroethane	10	10 U	10 U	10 U
Nitrobenzene	10	10 U	10 U	10 U
Isophorone	10	10 U	10 U	10 U
2-Nitrophenol	10	10 U	10 U	10 U
2,4-Dimethylphenol	10	10 U	10 U	10 U
bis(2-Chloroethoxy)methane	10	10 U	10 U	10 U
2,4-Dichlorophenol	10	10 U	10 U	10 U
1,2,4-Trichlorobenzene	10	10 U	10 U	10 U
Naphthalene	10	10 U	10 U	10 U
4-Chloroaniline	10	10 U	10 U	10 U
Hexachlorobutadiene	10	10 U	10 U	10 U
4-Chloro-3-Methylphenol	10	10 U	10 U	10 U
2-Methylnaphthalene	10	10 U	10 U	10 U
Hexachlorocyclopentadiene	10	10 U	10 U	10 U
2,4,6-Trichlorophenol	10	10 U	10 U	10 U
2,4,5-Trichlorophenol	25	25 U	25 U	25 U
2-Chloronaphthalene	10	10 U	10 U	10 U
2-Nitroaniline	25	25 U	25 U	25 U
Dimethylphthalate	10	10 U	10 U	10 U
Acenaphthylene	10	10 U	10 U	10 U
2,6-Dinitrotoluene	10	10 U	10 U	10 U

Site: MONITORING WELL
#: Level IV Validation J: Estimated B: Blank Contamination D: Diluted Result -: Not Detected
U: Not Detected JJ: Estimated Below CRQL E: Exceeds Calibration Range R: Unusable

Table 1
Laboratory Report of Analysis

SAMPLE LOCATION:	GLMW101X1492XD	GLMW101X1492XX	GLMW102X1492XX
LAB NUMBER:	1478605 #	1478602 #	1478601 #
DATE SAMPLED:	11/16/92	11/16/92	11/16/92
DATE EXTRACTED:	11/20/92	11/20/92	11/20/92
DATE ANALYZED:	12/16/92	12/16/92	12/16/92

ANALYTE	SOW-3/90 - II CRQL					
3-Nitroaniline	25	25	U	25	U	25 U
Acenaphthene	10	10	U	10	U	10 U
2,4-Dinitrophenol	25	25	U	25	U	25 U
4-Nitrophenol	25	25	U	25	U	25 U
Dibenzofuran	10	10	U	10	U	10 U
2,4-Dinitrotoluene	10	10	U	10	U	10 U
Diethylphthalate	10	10	U	10	U	10 U
4-Chlorophenyl-phenylether	10	10	U	10	U	10 U
Fluorene	10	10	U	10	U	10 U
4-Nitroaniline	25	25	U	25	U	25 U
4,6-Dinitro-2-methylphenol	25	25	U	25	U	25 U
N-Nitrosodiphenylamine	10	10	U	10	U	10 U
4-Bromophenyl-phenylether	10	10	U	10	U	10 U
Hexachlorobenzene	10	10	U	10	U	10 U
Pentachlorophenol	25	25	U	25	U	25 U
Phenanthrene	10	10	U	10	U	10 U
Anthracene	10	10	U	10	U	10 U
Carbazole	10	10	U	10	U	10 U
Di-n-butylphthalate	10	10	U	10	U	10 U
Fluoranthene	10	10	U	10	U	10 U
Pyrene	10	10	U	10	U	10 U
Butylbenzylphthalate	10	10	U	10	U	10 U
3,3'-Dichlorobenzidine	10	10	U	10	U	10 U
Benzo(a)Anthracene	10	10	U	10	U	10 U
Chrysene	10	10	U	10	U	10 U
bis(2-Ethylhexyl)phthalate	10	1	J	1	J	5 J
Di-n-octylphthalate	10	10	U	10	U	10 U
Benzo(b)Fluoranthene	10	10	U	10	U	10 U
Benzo(k)Fluoranthene	10	10	U	10	U	10 U
Benzo(a)Pyrene	10	10	U	10	U	10 U
Indeno(1,2,3-c,d)Pyrene	10	10	U	10	U	10 U
Dibenz(a,h)Anthracene	10	10	U	10	U	10 U
Benzo(g,h,i)perylene	10	10	U	10	U	10 U
Dilution Factor:		1.00		1.00		1.00

Associated Method Blank:	F3246	F3246	F3246
Associated Equipment Blank:	GLQS005XXX92XX	GLQS005XXX92XX	GLQS005XXX92XX
Associated Field Blank:	-	-	-

Site: MONITORING WELL
#: Level IV Validation J: Estimated B: Blank Contamination D: Diluted Result -: Not Detected
U: Not Detected JJ: Estimated Below CRQL E: Exceeds Calibration Range R: Unusable

Table 2
Validation / Summary Table

	SAMPLE LOCATION:	GLMW101X1492XD	GLMW101X1492XX	GLMW102X1492XX
	LAB NUMBER:	1478605 #	1478602 #	1478601 #
	DATE SAMPLED:	11/16/92	11/16/92	11/16/92
	DATE EXTRACTED:	11/20/92	11/20/92	11/20/92
	DATE ANALYZED:	12/16/92	12/16/92	12/16/92
ANALYTE	SOW-3/90 - II CRQL			
Phenol	10	10 U	10 U	10 U
bis(2-Chloroethyl)ether	10	10 U	10 U	10 U
2-Chlorophenol	10	10 U	10 U	10 U
1,3-Dichlorobenzene	10	10 U	10 U	10 U
1,4-Dichlorobenzene	10	10 U	10 U	10 U
1,2-Dichlorobenzene	10	10 U	10 U	10 U
2-Methylphenol	10	10 U	10 U	10 U
2,2'-oxybis(1-Chloropropane)	10	10 U	10 U	10 U
4-Methylphenol	10	10 U	10 U	10 U
N-Nitroso-di-n-propylamine	10	10 U	10 U	10 U
Hexachloroethane	10	10 U	10 U	10 U
Nitrobenzene	10	10 U	10 U	10 U
Isophorone	10	10 U	10 U	10 U
2-Nitrophenol	10	10 U	10 U	10 U
2,4-Dimethylphenol	10	10 U	10 U	10 U
bis(2-Chloroethoxy)methane	10	10 U	10 U	10 U
2,4-Dichlorophenol	10	10 U	10 U	10 U
1,2,4-Trichlorobenzene	10	10 U	10 U	10 U
Naphthalene	10	10 U	10 U	10 U
4-Chloroaniline	10	10 U	10 U	10 U
Hexachlorobutadiene	10	10 U	10 U	10 U
4-Chloro-3-Methylphenol	10	10 U	10 U	10 U
2-Methylnaphthalene	10	10 U	10 U	10 U
Hexachlorocyclopentadiene	10	10 UJ	10 UJ	10 UJ
2,4,6-Trichlorophenol	10	10 U	10 U	10 U
2,4,5-Trichlorophenol	25	25 U	25 U	25 U
2-Chloronaphthalene	10	10 U	10 U	10 U
2-Nitroaniline	25	25 U	25 U	25 U
Dimethylphthalate	10	10 U	10 U	10 U
Acenaphthylene	10	10 U	10 U	10 U
2,6-Dinitrotoluene	10	10 U	10 U	10 U

Site: MONITORING WELL
#: Level IV Validation J: Estimated B: Blank Contamination D: Diluted Result -: Not Detected
U: Not Detected JJ: Estimated Below CRQL E: Exceeds Calibration Range R: Unusable

Table 2
Validation / Summary Table

	SAMPLE LOCATION:	GLMW101X1492XD	GLMW101X1492XX	GLMW102X1492XX
	LAB NUMBER:	1478605 #	1478602 #	1478601 #
	DATE SAMPLED:	11/16/92	11/16/92	11/16/92
	DATE EXTRACTED:	11/20/92	11/20/92	11/20/92
	DATE ANALYZED:	12/16/92	12/16/92	12/16/92
ANALYTE	SOW-3/90 - II CRQL			
3-Nitroaniline	25	25 U	25 U	25 U
Acenaphthene	10	10 U	10 U	10 U
2,4-Dinitrophenol	25	25 U	25 U	25 U
4-Nitrophenol	25	25 U	25 U	25 U
Dibenzofuran	10	10 U	10 U	10 U
2,4-Dinitrotoluene	10	10 U	10 U	10 U
Diethylphthalate	10	10 U	10 U	10 U
4-Chlorophenyl-phenylether	10	10 U	10 U	10 U
Fluorene	10	10 U	10 U	10 U
4-Nitroaniline	25	25 U	25 U	25 U
4,6-Dinitro-2-methylphenol	25	25 U	25 U	25 U
N-Nitrosodiphenylamine	10	10 U	10 U	10 U
4-Bromophenyl-phenylether	10	10 U	10 U	10 U
Hexachlorobenzene	10	10 U	10 U	10 U
Pentachlorophenol	25	25 U	25 U	25 U
Phenanthrene	10	10 U	10 U	10 U
Anthracene	10	10 U	10 U	10 U
Carbazole	10	10 U	10 U	10 U
Di-n-butylphthalate	10	10 U	10 U	10 U
Fluoranthene	10	10 UJ	10 UJ	10 UJ
Pyrene	10	10 UJ	10 UJ	10 UJ
Butylbenzylphthalate	10	10 U	10 U	10 U
3,3'-Dichlorobenzidine	10	10 U	10 U	10 U
Benzo(a)Anthracene	10	10 U	10 U	10 U
Chrysene	10	10 U	10 U	10 U
bis(2-Ethylhexyl)phthalate	10	10 U	10 U	10 U
Di-n-octylphthalate	10	10 U	10 U	10 U
Benzo(b)Fluoranthene	10	10 U	10 U	10 U
Benzo(k)Fluoranthene	10	10 U	10 U	10 U
Benzo(a)Pyrene	10	10 U	10 U	10 U
Indeno(1,2,3-c,d)Pyrene	10	10 U	10 U	10 U
Dibenz(a,h)Anthracene	10	10 U	10 U	10 U
Benzo(g,h,i)perylene	10	10 U	10 U	10 U
Dilution Factor:		1.00	1.00	1.00
Associated Method Blank:		F3246	F3246	F3246
Associated Equipment Blank:		GLQS005XXX92XX	GLQS005XXX92XX	GLQS005XXX92XX
Associated Field Blank:		-	-	-

Site: MONITORING WELL
#: Level IV Validation J: Estimated B: Blank Contamination D: Diluted Result -: Not Detected
U: Not Detected JJ: Estimated Below CRQL E: Exceeds Calibration Range R: Unusable

Table 3
Summary Table

	SAMPLE LOCATION:	GLMW101X1492XD	GLMW101X1492XX	GLMW102X1492XX
	LAB NUMBER:	1478605 #	1478602 #	1478601 #
	DATE SAMPLED:	11/16/92	11/16/92	11/16/92
	DATE EXTRACTED:	11/20/92	11/20/92	11/20/92
	DATE ANALYZED:	12/16/92	12/16/92	12/16/92
ANALYTE	SOW-3/90 - II CRQL			
Phenol	10	-	-	-
bis(2-Chloroethyl)ether	10	-	-	-
2-Chlorophenol	10	-	-	-
1,3-Dichlorobenzene	10	-	-	-
1,4-Dichlorobenzene	10	-	-	-
1,2-Dichlorobenzene	10	-	-	-
2-Methylphenol	10	-	-	-
2,2'-oxybis(1-Chloropropane)	10	-	-	-
4-Methylphenol	10	-	-	-
N-Nitroso-di-n-propylamine	10	-	-	-
Hexachloroethane	10	-	-	-
Nitrobenzene	10	-	-	-
Isophorone	10	-	-	-
2-Nitrophenol	10	-	-	-
2,4-Dimethylphenol	10	-	-	-
bis(2-Chloroethoxy)methane	10	-	-	-
2,4-Dichlorophenol	10	-	-	-
1,2,4-Trichlorobenzene	10	-	-	-
Naphthalene	10	-	-	-
4-Chloroaniline	10	-	-	-
Hexachlorobutadiene	10	-	-	-
4-Chloro-3-Methylphenol	10	-	-	-
2-Methylnaphthalene	10	-	-	-
Hexachlorocyclopentadiene	10	-	-	-
2,4,6-Trichlorophenol	10	-	-	-
2,4,5-Trichlorophenol	25	-	-	-
2-Chloronaphthalene	10	-	-	-
2-Nitroaniline	25	-	-	-
Dimethylphthalate	10	-	-	-
Acenaphthylene	10	-	-	-
2,6-Dinitrotoluene	10	-	-	-

Site: MONITORING WELL
#: Level IV Validation J: Estimated B: Blank Contamination D: Diluted Result -: Not Detected
U: Not Detected JJ: Estimated Below CRQL E: Exceeds Calibration Range R: Unusable

Table 3
Summary Table

	SAMPLE LOCATION:	GLMW101X1492XD	GLMW101X1492XX	GLMW102X1492XX
	LAB NUMBER:	1478605 #	1478602 #	1478601 #
	DATE SAMPLED:	11/16/92	11/16/92	11/16/92
	DATE EXTRACTED:	11/20/92	11/20/92	11/20/92
	DATE ANALYZED:	12/16/92	12/16/92	12/16/92
ANALYTE	SOW-3/90 - II CRQL			
3-Nitroaniline	25	-	-	-
Acenaphthene	10	-	-	-
2,4-Dinitrophenol	25	-	-	-
4-Nitrophenol	25	-	-	-
Dibenzofuran	10	-	-	-
2,4-Dinitrotoluene	10	-	-	-
Diethylphthalate	10	-	-	-
4-Chlorophenyl-phenylether	10	-	-	-
Fluorene	10	-	-	-
4-Nitroaniline	25	-	-	-
4,6-Dinitro-2-methylphenol	25	-	-	-
N-Nitrosodiphenylamine	10	-	-	-
4-Bromophenyl-phenylether	10	-	-	-
Hexachlorobenzene	10	-	-	-
Pentachlorophenol	25	-	-	-
Phenanthrene	10	-	-	-
Anthracene	10	-	-	-
Carbazole	10	-	-	-
Di-n-butylphthalate	10	-	-	-
Fluoranthene	10	-	-	-
Pyrene	10	-	-	-
Butylbenzylphthalate	10	-	-	-
3,3'-Dichlorobenzidine	10	-	-	-
Benzo(a)Anthracene	10	-	-	-
Chrysene	10	-	-	-
bis(2-Ethylhexyl)phthalate	10	-	-	-
Di-n-octylphthalate	10	-	-	-
Benzo(b)Fluoranthene	10	-	-	-
Benzo(k)Fluoranthene	10	-	-	-
Benzo(a)Pyrene	10	-	-	-
Indeno(1,2,3-c,d)Pyrene	10	-	-	-
Dibenz(a,h)Anthracene	10	-	-	-
Benzo(g,h,i)perylene	10	-	-	-
Dilution Factor:		1.00	1.00	1.00
Associated Method Blank:		F3246	F3246	F3246
Associated Equipment Blank:		GLQS005XXX92XX	GLQS005XXX92XX	GLQS005XXX92XX
Associated Field Blank:		-	-	-

Site: MONITORING WELL
#: Level IV Validation J: Estimated B: Blank Contamination D: Diluted Result -: Not Detected
U: Not Detected JJ: Estimated Below CRQL E: Exceeds Calibration Range R: Unusable

Table 1
Laboratory Report of Analysis

	SAMPLE LOCATION:	GLQS001XXX92XX	GLQS002XXX92XX	GLQS002XXX92XX	GLQS003XXX92XX	GLQS005XXX92XX
	LAB NUMBER:	1451905	1451906	1451906 R	1451907	1478606
	DATE SAMPLED:	10/27/92	10/27/92	10/27/92	10/27/92	11/16/92
	DATE EXTRACTED:	10/30/92	10/30/92	10/30/92	10/30/92	11/20/92
	DATE ANALYZED:	11/11/92	11/11/92	11/12/92	11/12/92	12/16/92
ANALYTE	SOW-3/90 - II CRQL					
Phenol	10	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethyl)ether	10	10 U	10 U	10 U	10 U	10 U
2-Chlorophenol	10	10 U	10 U	10 U	10 U	10 U
1,3-Dichlorobenzene	10	10 U	10 U	10 U	10 U	10 U
1,4-Dichlorobenzene	10	10 U	10 U	10 U	10 U	10 U
1,2-Dichlorobenzene	10	10 U	10 U	10 U	10 U	10 U
2-Methylphenol	10	10 U	10 U	10 U	10 U	10 U
2,2'-oxybis(1-Chloropropane)	10	10 U	10 U	10 U	10 U	10 U
4-Methylphenol	10	10 U	10 U	10 U	10 U	10 U
N-Nitroso-di-n-propylamine	10	10 U	10 U	10 U	10 U	10 U
Hexachloroethane	10	10 U	10 U	10 U	10 U	10 U
Nitrobenzene	10	10 U	10 U	10 U	10 U	10 U
Isophorone	10	10 U	10 U	10 U	10 U	10 U
2-Nitrophenol	10	10 U	10 U	10 U	10 U	10 U
2,4-Dimethylphenol	10	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethoxy)methane	10	10 U	10 U	10 U	10 U	10 U
2,4-Dichlorophenol	10	10 U	10 U	10 U	10 U	10 U
1,2,4-Trichlorobenzene	10	10 U	10 U	10 U	10 U	10 U
Naphthalene	10	10 U	10 U	10 U	10 U	10 U
4-Chloroaniline	10	10 U	10 U	10 U	10 U	10 U
Hexachlorobutadiene	10	10 U	10 U	10 U	10 U	10 U
4-Chloro-3-Methylphenol	10	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	10	10 U	10 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	10	10 U	10 U	10 U	10 U	10 U
2,4,6-Trichlorophenol	10	10 U	10 U	10 U	10 U	10 U
2,4,5-Trichlorophenol	25	25 U	25 U	25 U	25 U	25 U
2-Chloronaphthalene	10	10 U	10 U	10 U	10 U	10 U
2-Nitroaniline	25	25 U	25 U	25 U	25 U	25 U
Dimethylphthalate	10	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	10	10 U	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene	10	10 U	10 U	10 U	10 U	10 U

Site: EQUIPMENT RINSATE
U: Not Detected JJ: Estimated Below CRQL E: Exceeds Calibration Range R: Unusable
J: Estimated B: Blank Contamination D: Diluted Result -: Not Detected

Table 1
Laboratory Report of Analysis

	SAMPLE LOCATION:	GLQS001XXX92XX	GLQS002XXX92XX	GLQS002XXX92XX	GLQS003XXX92XX	GLQS005XXX92XX
	LAB NUMBER:	1451905	1451906	1451906 R	1451907	1478606
	DATE SAMPLED:	10/27/92	10/27/92	10/27/92	10/27/92	11/16/92
	DATE EXTRACTED:	10/30/92	10/30/92	10/30/92	10/30/92	11/20/92
	DATE ANALYZED:	11/11/92	11/11/92	11/12/92	11/12/92	12/16/92
ANALYTE	SOW-3/90 - II CRQL					
3-Nitroaniline	25	25 U	25 U	25 U	25 U	25 U
Acenaphthene	10	10 U	10 U	10 U	10 U	10 U
2,4-Dinitrophenol	25	25 U	25 U	25 U	25 U	25 U
4-Nitrophenol	25	25 U	25 U	25 U	25 U	25 U
Dibenzofuran	10	10 U	10 U	10 U	10 U	10 U
2,4-Dinitrotoluene	10	10 U	10 U	10 U	10 U	10 U
Diethylphthalate	10	1 J	1 J	1 J	10 U	10 U
4-Chlorophenyl-phenylether	10	10 U	10 U	10 U	10 U	10 U
Fluorene	10	10 U	10 U	10 U	10 U	10 U
4-Nitroaniline	25	25 U	25 U	25 U	25 U	25 U
4,6-Dinitro-2-methylphenol	25	25 U	25 U	25 U	25 U	25 U
N-Nitrosodiphenylamine	10	10 U	10 U	10 U	10 U	10 U
4-Bromophenyl-phenylether	10	10 U	10 U	10 U	10 U	10 U
Hexachlorobenzene	10	10 U	10 U	10 U	10 U	10 U
Pentachlorophenol	25	25 U	25 U	25 U	25 U	25 U
Phenanthrene	10	10 U	1 J	1 J	10 U	10 U
Anthracene	10	10 U	10 U	10 U	10 U	10 U
Carbazole	10	10 U	10 U	10 U	10 U	10 U
Di-n-butylphthalate	10	12	10	12	10 U	10 U
Fluoranthene	10	1 J	1 J	1 J	10 U	10 U
Pyrene	10	10 U	10 U	10 U	10 U	10 U
Butylbenzylphthalate	10	4 J	3 J	3 J	10 U	10 U
3,3'-Dichlorobenzidine	10	10 U	10 U	10 U	10 U	10 U
Benzo(a)Anthracene	10	10 U	10 U	10 U	10 U	10 U
Chrysene	10	10 U	10 U	10 U	10 U	10 U
bis(2-Ethylhexyl)phthalate	10	1 BJ	10 U	10 U	2 BJ	1 J
Di-n-octylphthalate	10	10 U	10 U	10 U	10 U	10 U
Benzo(b)Fluoranthene	10	10 U	10 U	10 U	10 U	10 U
Benzo(k)Fluoranthene	10	10 U	10 U	10 U	10 U	10 U
Benzo(a)Pyrene	10	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-c,d)Pyrene	10	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)Anthracene	10	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	10	10 U	10 U	10 U	10 U	10 U
Dilution Factor:		1.00	1.00	1.00	1.00	1.00
Associated Method Blank:		F3030	F3030	F3030	F3030	F3246
Associated Equipment Blank:		-	-	-	-	-
Associated Field Blank:		-	-	-	-	-

Site: EQUIPMENT RINSATE
U: Not Detected JJ: Estimated Below CRQL E: Exceeds Calibration Range R: Unusable
J: Estimated B: Blank Contamination D: Diluted Result -: Not Detected

Table 1
Laboratory Report of Analysis

	SAMPLE LOCATION:	GLSW101XXX92XX	GLSW102XXX92XX	GLSW103XXX92XD	GLSW103XXX92XD	GLSW103XXX92XX	GLSW104XXX92XX
	LAB NUMBER:	1450901 #	1450902 #	1451904 #	1451904 R #	1451901 #	1454001 #
	DATE SAMPLED:	10/26/92	10/26/92	10/27/92	10/27/92	10/27/92	10/28/92
	DATE EXTRACTED:	10/29/92	10/29/92	10/30/92	10/30/92	10/30/92	11/02/92
	DATE ANALYZED:	11/09/92	11/07/92	11/11/92	11/12/92	11/10/92	11/17/92
ANALYTE	SOW-3/90 - II CRQL						
Phenol	10	11	10 U	6 J	6 J	5 J	10 U
bis(2-Chloroethyl)ether	10	10 U	10 U	10 U	10 U	10 U	10 U
2-Chlorophenol	10	10 U	10 U	10 U	10 U	10 U	10 U
1,3-Dichlorobenzene	10	10 U	10 U	10 U	10 U	10 U	10 U
1,4-Dichlorobenzene	10	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichlorobenzene	10	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylphenol	10	2 J	10 U	1 J	1 J	10 U	10 U
2,2'-oxybis(1-Chloropropane)	10	10 U	10 U	10 U	10 U	10 U	10 U
4-Methylphenol	10	2 J	10 U	1 J	1 J	1 J	10 U
N-Nitroso-di-n-propylamine	10	10 U	10 U	10 U	10 U	10 U	10 U
Hexachloroethane	10	10 U	10 U	10 U	10 U	10 U	10 U
Nitrobenzene	10	10 U	10 U	10 U	10 U	10 U	10 U
Isophorone	10	10 U	10 U	10 U	10 U	10 U	10 U
2-Nitrophenol	10	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dimethylphenol	10	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethoxy)methane	10	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dichlorophenol	10	10 U	10 U	10 U	10 U	10 U	10 U
1,2,4-Trichlorobenzene	10	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10	10 U	10 U	2 J	2 J	1 J	10 U
4-Chloroaniline	10	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobutadiene	10	10 U	10 U	10 U	10 U	10 U	10 U
4-Chloro-3-Methylphenol	10	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	10	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	10	10 U	10 U	10 U	10 U	10 U	10 U
2,4,6-Trichlorophenol	10	10 U	10 U	10 U	10 U	10 U	10 U
2,4,5-Trichlorophenol	25	25 U	25 U	25 U	25 U	25 U	25 U
2-Chloronaphthalene	10	10 U	10 U	10 U	10 U	10 U	10 U
2-Nitroaniline	25	25 U	25 U	25 U	25 U	25 U	25 U
Dimethylphthalate	10	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	10	10 U	10 U	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene	10	10 U	10 U	10 U	10 U	10 U	10 U

Site: SURFACE WATER
#: Level IV Validation J: Estimated B: Blank Contamination D: Diluted Result -: Not Detected
U: Not Detected JJ: Estimated Below CRQL E: Exceeds Calibration Range R: Unusable

Table 1
Laboratory Report of Analysis

	SAMPLE LOCATION:	GLSW101XXX92XX	GLSW102XXX92XX	GLSW103XXX92XD	GLSW103XXX92XD	GLSW103XXX92XX	GLSW104XXX92XX
	LAB NUMBER:	1450901 #	1450902 #	1451904 #	1451904 R #	1451901 #	1454001 #
	DATE SAMPLED:	10/26/92	10/26/92	10/27/92	10/27/92	10/27/92	10/28/92
	DATE EXTRACTED:	10/29/92	10/29/92	10/30/92	10/30/92	10/30/92	11/02/92
	DATE ANALYZED:	11/09/92	11/07/92	11/11/92	11/12/92	11/10/92	11/17/92
ANALYTE	SOW-3/90 - II CRQL						
3-Nitroaniline	25	25 U	25 U	25 U	25 U	25 U	25 U
Acenaphthene	10	10 U	10 U	1 J	1 J	1 J	10 U
2,4-Dinitrophenol	25	25 U	25 U	25 U	25 U	25 U	25 U
4-Nitrophenol	25	25 U	25 U	25 U	25 U	25 U	25 U
Dibenzofuran	10	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dinitrotoluene	10	10 U	10 U	10 U	10 U	10 U	10 U
Diethylphthalate	10	10 U	10 U	2 J	1 J	1 J	10 U
4-Chlorophenyl-phenylether	10	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	10	10 U	10 U	10 U	10 U	10 U	10 U
4-Nitroaniline	25	25 U	25 U	25 U	25 U	25 U	25 U
4,6-Dinitro-2-methylphenol	25	25 U	25 U	25 U	25 U	25 U	25 U
N-Nitrosodiphenylamine	10	10 U	10 U	10 U	10 U	10 U	10 U
4-Bromophenyl-phenylether	10	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobenzene	10	10 U	10 U	10 U	10 U	10 U	10 U
Pentachlorophenol	25	25 U	25 U	25 U	25 U	25 U	25 U
Phenanthrene	10	1 J	1 J	3 J	3 J	3 J	1 J
Anthracene	10	10 U	10 U	10 U	10 U	10 U	10 U
Carbazole	10	10 U	10 U	1 J	1 J	1 J	10 U
Di-n-butylphthalate	10	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	10	2 J	10 U	2 J	2 J	2 J	2 J
Pyrene	10	2 J	10 U	1 J	1 J	1 J	1 J
Butylbenzylphthalate	10	10 U	10 U	10 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	10	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)Anthracene	10	10 U	10 U	10 U	10 U	10 U	1 J
Chrysene	10	1 J	10 U	1 J	1 J	10 U	2 J
bis(2-Ethylhexyl)phthalate	10	1 J	1 J	10 U	10 U	10 U	10 U
Di-n-octylphthalate	10	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)Fluoranthene	10	10 U	10 U	10 U	10 U	10 U	1 J
Benzo(k)Fluoranthene	10	1 J	10 U	10 U	10 U	10 U	1 J
Benzo(a)Pyrene	10	1 J	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-c,d)Pyrene	10	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)Anthracene	10	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	10	10 U	10 U	10 U	10 U	10 U	10 U
Dilution Factor:		1.00	1.00	1.00	1.00	1.00	1.00
Associated Method Blank:		B0813	B0813	F3030	F3030	F3030	H8830
Associated Equipment Blank:		GLQS001XXX92XX	GLQS001XXX92XX	GLQS001XXX92XX	GLQS001XXX92XX	GLQS001XXX92XX	GLQS001XXX92XX
Associated Field Blank:		-	-	-	-	-	-

Site: SURFACE WATER
#: Level IV Validation J: Estimated B: Blank Contamination D: Diluted Result -: Not Detected
U: Not Detected JJ: Estimated Below CRQL E: Exceeds Calibration Range R: Unusable

Table 2
Validation / Summary Table

	SAMPLE LOCATION:	GLSW101XXX92XX	GLSW102XXX92XX	GLSW103XXX92XD	GLSW103XXX92XX	GLSW104XXX92XX
	LAB NUMBER:	1450901 #	1450902 #	1451904 #	1451901 #	1454001 #
	DATE SAMPLED:	10/26/92	10/26/92	10/27/92	10/27/92	10/28/92
	DATE EXTRACTED:	10/29/92	10/29/92	10/30/92	10/30/92	11/02/92
	DATE ANALYZED:	11/09/92	11/07/92	11/11/92	11/10/92	11/17/92
ANALYTE	SOW-3/90 - II CRQL					
Phenol	10	11	10 U	6 JJ	5 JJ	10 U
bis(2-Chloroethyl)ether	10	10 U	10 U	10 U	10 U	10 U
2-Chlorophenol	10	10 U	10 U	10 U	10 U	10 U
1,3-Dichlorobenzene	10	10 U	10 U	10 U	10 U	10 U
1,4-Dichlorobenzene	10	10 U	10 U	10 U	10 U	10 U
1,2-Dichlorobenzene	10	10 U	10 U	10 U	10 U	10 U
2-Methylphenol	10	2 JJ	10 U	1 JJ	10 U	10 U
2,2'-oxybis(1-Chloropropane)	10	10 U	10 U	10 U	10 UJ	10 U
4-Methylphenol	10	2 JJ	10 U	1 JJ	1 JJ	10 U
N-Nitroso-di-n-propylamine	10	10 U	10 U	10 U	10 U	10 U
Hexachloroethane	10	10 U	10 U	10 U	10 U	10 U
Nitrobenzene	10	10 U	10 U	10 U	10 U	10 U
Isophorone	10	10 U	10 U	10 U	10 U	10 U
2-Nitrophenol	10	10 U	10 U	10 U	10 U	10 U
2,4-Dimethylphenol	10	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethoxy)methane	10	10 U	10 U	10 U	10 U	10 U
2,4-Dichlorophenol	10	10 U	10 U	10 U	10 U	10 U
1,2,4-Trichlorobenzene	10	10 U	10 U	10 U	10 U	10 U
Naphthalene	10	10 U	10 U	2 JJ	1 JJ	10 U
4-Chloroaniline	10	10 U	10 U	10 U	10 U	10 U
Hexachlorobutadiene	10	10 U	10 U	10 U	10 U	10 U
4-Chloro-3-Methylphenol	10	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	10	10 U	10 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	10	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
2,4,6-Trichlorophenol	10	10 U	10 U	10 U	10 U	10 U
2,4,5-Trichlorophenol	25	25 U	25 U	25 U	25 U	25 U
2-Chloronaphthalene	10	10 U	10 U	10 U	10 U	10 U
2-Nitroaniline	25	25 U	25 U	25 U	25 U	25 U
Dimethylphthalate	10	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	10	10 U	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene	10	10 U	10 U	10 U	10 U	10 U

Site: SURFACE WATER
#: Level IV Validation J: Estimated B: Blank Contamination D: Diluted Result .-: Not Detected
U: Not Detected JJ: Estimated Below CRQL E: Exceeds Calibration Range R: Unusable

Table 2
Validation / Summary Table

	SAMPLE LOCATION:	GLSW101XXX92XX	GLSW102XXX92XX	GLSW103XXX92XD	GLSW103XXX92XX	GLSW104XXX92XX
	LAB NUMBER:	1450901 #	1450902 #	1451904 #	1451901 #	1454001 #
	DATE SAMPLED:	10/26/92	10/26/92	10/27/92	10/27/92	10/28/92
	DATE EXTRACTED:	10/29/92	10/29/92	10/30/92	10/30/92	11/02/92
	DATE ANALYZED:	11/09/92	11/07/92	11/11/92	11/10/92	11/17/92
ANALYTE	SOW-3/90 - II CRQL					
3-Nitroaniline	25	25 U	25 U	25 U	25 U	25 U
Acenaphthene	10	10 U	10 U	1 JJ	1 JJ	10 U
2,4-Dinitrophenol	25	25 U	25 U	25 U	25 U	25 U
4-Nitrophenol	25	25 U	25 U	25 U	25 U	25 U
Dibenzofuran	10	10 U	10 U	10 U	10 U	10 U
2,4-Dinitrotoluene	10	10 U	10 U	10 U	10 U	10 U
Diethylphthalate	10	10 U	10 U	10 U	10 U	10 U
4-Chlorophenyl-phenylether	10	10 U	10 U	10 U	10 U	10 UJ
Fluorene	10	10 U	10 U	10 U	10 U	10 U
4-Nitroaniline	25	25 U	25 U	25 U	25 U	25 U
4,6-Dinitro-2-methylphenol	25	25 U	25 U	25 U	25 U	25 U
N-Nitrosodiphenylamine	10	10 U	10 U	10 U	10 U	10 U
4-Bromophenyl-phenylether	10	10 U	10 U	10 U	10 U	10 U
Hexachlorobenzene	10	10 U	10 U	10 U	10 U	10 U
Pentachlorophenol	25	25 U	25 U	25 U	25 U	25 U
Phenanthrene	10	1 JJ	1 JJ	3 JJ	3 JJ	1 JJ
Anthracene	10	10 U	10 U	10 U	10 U	10 U
Carbazole	10	10 U	10 U	1 JJ	1 JJ	10 U
Di-n-butylphthalate	10	10 U	10 U	10 U	10 U	10 U
Fluoranthene	10	10 U	10 U	10 U	10 U	10 U
Pyrene	10	10 U	10 UJ	1 JJ	1 JJ	1 JJ
Butylbenzylphthalate	10	10 U	10 U	10 U	10 U	10 UJ
3,3'-Dichlorobenzidine	10	10 U	10 U	10 UJ	10 UJ	10 UJ
Benzo(a)Anthracene	10	10 U	10 U	10 U	10 U	1 JJ
Chrysene	10	1 JJ	10 U	1 JJ	10 U	2 JJ
bis(2-Ethylhexyl)phthalate	10	10 U	10 U	10 U	10 U	10 UJ
Di-n-octylphthalate	10	10 U	10 U	10 UJ	10 UJ	10 U
Benzo(b)Fluoranthene	10	10 U	10 U	10 U	10 UJ	1 JJ
Benzo(k)Fluoranthene	10	1 JJ	10 U	10 UJ	10 U	1 JJ
Benzo(a)Pyrene	10	1 JJ	10 U	10 U	10 U	10 U
Indeno(1,2,3-c,d)Pyrene	10	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)Anthracene	10	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	10	10 U	10 U	10 U	10 U	10 U
Dilution Factor:		1.00	1.00	1.00	1.00	1.00
Associated Method Blank:		B0813	B0813	F3030	F3030	H8830
Associated Equipment Blank:		GLQS001XXX92XX	GLQS001XXX92XX	GLQS001XXX92XX	GLQS001XXX92XX	GLQS001XXX92XX
Associated Field Blank:		-	-	-	-	-

Site: SURFACE WATER
#: Level IV Validation J: Estimated B: Blank Contamination D: Diluted Result -: Not Detected
U: Not Detected JJ: Estimated Below CRQL E: Exceeds Calibration Range R: Unusable

Table 3
Summary Table

	SAMPLE LOCATION:	GLSW101XXX92XX	GLSW102XXX92XX	GLSW103XXX92XD	GLSW103XXX92XX	GLSW104XXX92XX
	LAB NUMBER:	1450901 #	1450902 #	1451904 #	1451901 #	1454001 #
	DATE SAMPLED:	10/26/92	10/26/92	10/27/92	10/27/92	10/28/92
	DATE EXTRACTED:	10/29/92	10/29/92	10/30/92	10/30/92	11/02/92
	DATE ANALYZED:	11/09/92	11/07/92	11/11/92	11/10/92	11/17/92
ANALYTE	SOW-3/90 - II CRQL					
Phenol	10	11	-	6 JJ	5 JJ	-
bis(2-Chloroethyl)ether	10	-	-	-	-	-
2-Chlorophenol	10	-	-	-	-	-
1,3-Dichlorobenzene	10	-	-	-	-	-
1,4-Dichlorobenzene	10	-	-	-	-	-
1,2-Dichlorobenzene	10	-	-	-	-	-
2-Methylphenol	10	2 JJ	-	1 JJ	-	-
2,2'-oxybis(1-Chloropropane)	10	-	-	-	-	-
4-Methylphenol	10	2 JJ	-	1 JJ	1 JJ	-
N-Nitroso-di-n-propylamine	10	-	-	-	-	-
Hexachloroethane	10	-	-	-	-	-
Nitrobenzene	10	-	-	-	-	-
Isophorone	10	-	-	-	-	-
2-Nitrophenol	10	-	-	-	-	-
2,4-Dimethylphenol	10	-	-	-	-	-
bis(2-Chloroethoxy)methane	10	-	-	-	-	-
2,4-Dichlorophenol	10	-	-	-	-	-
1,2,4-Trichlorobenzene	10	-	-	-	-	-
Naphthalene	10	-	-	2 JJ	1 JJ	-
4-Chloroaniline	10	-	-	-	-	-
Hexachlorobutadiene	10	-	-	-	-	-
4-Chloro-3-Methylphenol	10	-	-	-	-	-
2-Methylnaphthalene	10	-	-	-	-	-
Hexachlorocyclopentadiene	10	-	-	-	-	-
2,4,6-Trichlorophenol	10	-	-	-	-	-
2,4,5-Trichlorophenol	25	-	-	-	-	-
2-Chloronaphthalene	10	-	-	-	-	-
2-Nitroaniline	25	-	-	-	-	-
Dimethylphthalate	10	-	-	-	-	-
Acenaphthylene	10	-	-	-	-	-
2,6-Dinitrotoluene	10	-	-	-	-	-

Site: SURFACE WATER
#: Level IV Validation J: Estimated B: Blank Contamination D: Diluted Result -: Not Detected
U: Not Detected JJ: Estimated Below CRQL E: Exceeds Calibration Range R: Unusable

Table 3
Summary Table

	SAMPLE LOCATION:	GLSW101XXX92XX	GLSW102XXX92XX	GLSW103XXX92XD	GLSW103XXX92XX	GLSW104XXX92XX
	LAB NUMBER:	1450901 #	1450902 #	1451904 #	1451901 #	1454001 #
	DATE SAMPLED:	10/26/92	10/26/92	10/27/92	10/27/92	10/28/92
	DATE EXTRACTED:	10/29/92	10/29/92	10/30/92	10/30/92	11/02/92
	DATE ANALYZED:	11/09/92	11/07/92	11/11/92	11/10/92	11/17/92
ANALYTE	SOW-3/90 - II CRQL					
3-Nitroaniline	25	-	-	-	-	-
Acenaphthene	10	-	-	1 JJ	1 JJ	-
2,4-Dinitrophenol	25	-	-	-	-	-
4-Nitrophenol	25	-	-	-	-	-
Dibenzofuran	10	-	-	-	-	-
2,4-Dinitrotoluene	10	-	-	-	-	-
Diethylphthalate	10	-	-	2	-	-
4-Chlorophenyl-phenylether	10	-	-	-	-	-
Fluorene	10	-	-	-	-	-
4-Nitroaniline	25	-	-	-	-	-
4,6-Dinitro-2-methylphenol	25	-	-	-	-	-
N-Nitrosodiphenylamine	10	-	-	-	-	-
4-Bromophenyl-phenylether	10	-	-	-	-	-
Hexachlorobenzene	10	-	-	-	-	-
Pentachlorophenol	25	-	-	-	-	-
Phenanthrene	10	1 JJ	1 JJ	3 JJ	3 JJ	1 JJ
Anthracene	10	-	-	-	-	-
Carbazole	10	-	-	1 JJ	1 JJ	-
Di-n-butylphthalate	10	-	-	-	-	-
Fluoranthene	10	-	-	-	-	-
Pyrene	10	-	-	1 JJ	1 JJ	1 JJ
Butylbenzylphthalate	10	-	-	-	-	-
3,3'-Dichlorobenzidine	10	-	-	-	-	-
Benzo(a)Anthracene	10	-	-	-	-	1 JJ
Chrysene	10	1 JJ	-	1 JJ	-	2 JJ
bis(2-Ethylhexyl)phthalate	10	-	-	-	-	-
Di-n-octylphthalate	10	-	-	-	-	-
Benzo(b)Fluoranthene	10	-	-	-	-	1 JJ
Benzo(k)Fluoranthene	10	1 JJ	-	-	-	1 JJ
Benzo(a)Pyrene	10	1 JJ	-	-	-	-
Indeno(1,2,3-c,d)Pyrene	10	-	-	-	-	-
Dibenz(a,h)Anthracene	10	-	-	-	-	-
Benzo(g,h,i)perylene	10	-	-	-	-	-
Dilution Factor:		1.00	1.00	1.00	1.00	1.00
Associated Method Blank:		B0813	B0813	F3030	F3030	H8830
Associated Equipment Blank:		GLQS001XXX92XX	GLQS001XXX92XX	GLQS001XXX92XX	GLQS001XXX92XX	GLQS001XXX92XX
Associated Field Blank:		-	-	-	-	-

Site: SURFACE WATER
#: Level IV Validation J: Estimated B: Blank Contamination D: Diluted Result -: Not Detected
U: Not Detected JJ: Estimated Below CRQL E: Exceeds Calibration Range R: Unusable

Table 1
Laboratory Report of Analysis

	SAMPLE LOCATION:	GLSD101XXX92XX	GLSD101XXX92XX	GLSD103XXX92XD	GLSD103XXX92XD	GLSD103XXX92XX	GLSD103XXX92XX	GLSD104XXX92XX
	LAB NUMBER:	1450903 #	1450903 D #	1451908 #	1451908 D #	1451909 #	1451909 D #	1454002 #
	DATE SAMPLED:	10/26/92	10/26/92	10/27/92	10/27/92	10/27/92	10/27/92	10/28/92
	DATE EXTRACTED:	10/29/92	10/29/92	10/30/92	10/30/92	10/30/92	10/30/92	11/26/92
	DATE ANALYZED:	11/11/92	11/13/92	11/18/92	11/20/92	11/18/92	11/20/92	11/30/92
ANALYTE	SOW-3/90 - II CRQL							
Phenol	330	1100 U	2100 U	44000 U	220000 U	80 BJ	85000 U	700 U
bis(2-Chloroethyl)ether	330	1100 U	2100 U	44000 U	220000 U	8500 U	85000 U	700 U
2-Chlorophenol	330	1100 U	2100 U	44000 U	220000 U	8500 U	85000 U	700 U
1,3-Dichlorobenzene	330	1100 U	2100 U	44000 U	220000 U	8500 U	85000 U	700 U
1,4-Dichlorobenzene	330	1100 U	2100 U	44000 U	220000 U	8500 U	85000 U	700 U
1,2-Dichlorobenzene	330	1100 U	2100 U	44000 U	220000 U	8500 U	85000 U	700 U
2-Methylphenol	330	1100 U	2100 U	44000 U	220000 U	8500 U	85000 U	700 U
2,2'-oxybis(1-Chloropropane)	330	1100 U	2100 U	44000 U	220000 U	8500 U	85000 U	700 U
4-Methylphenol	330	1100 U	2100 U	44000 U	220000 U	100 J	85000 U	700 U
N-Nitroso-di-n-propylamine	330	1100 U	2100 U	44000 U	220000 U	8500 U	85000 U	700 U
Hexachloroethane	330	1100 U	2100 U	44000 U	220000 U	8500 U	85000 U	700 U
Nitrobenzene	330	1100 U	2100 U	44000 U	220000 U	8500 U	85000 U	700 U
Isophorone	330	1100 U	2100 U	44000 U	220000 U	8500 U	85000 U	700 U
2-Nitrophenol	330	1100 U	2100 U	44000 U	220000 U	8500 U	85000 U	700 U
2,4-Dimethylphenol	330	1100 U	2100 U	44000 U	220000 U	480 J	85000 U	700 U
bis(2-Chloroethoxy)methane	330	1100 U	2100 U	44000 U	220000 U	8500 U	85000 U	700 U
2,4-Dichlorophenol	330	1100 U	2100 U	44000 U	220000 U	8500 U	85000 U	700 U
1,2,4-Trichlorobenzene	330	1100 U	2100 U	44000 U	220000 U	80 J	85000 U	700 U
Naphthalene	330	520 J	500 DJ	37000 BJ	28000 BDJ	17000 B	17000 BDJ	130 J
4-Chloroaniline	330	1100 U	2100 U	44000 U	220000 U	8500 U	85000 U	700 U
Hexachlorobutadiene	330	1100 U	2100 U	44000 U	220000 U	8500 U	85000 U	700 U
4-Chloro-3-Methylphenol	330	1100 U	2100 U	44000 U	220000 U	8500 U	85000 U	700 U
2-Methylnaphthalene	330	97 J	87 DJ	35000 BJ	31000 BDJ	16000 B	16000 BDJ	33 J
Hexachlorocyclopentadiene	330	1100 U	2100 U	44000 U	220000 U	8500 U	85000 U	700 U
2,4,6-Trichlorophenol	330	1100 U	2100 U	44000 U	220000 U	8500 U	85000 U	700 U
2,4,5-Trichlorophenol	800	2600 U	5200 U	110000 U	530000 U	21000 U	210000 U	1700 U
2-Chloronaphthalene	330	1100 U	2100 U	44000 U	220000 U	8500 U	85000 U	700 U
2-Nitroaniline	800	2600 U	5200 U	110000 U	530000 U	21000 U	210000 U	1700 U
Dimethylphthalate	330	1100 U	2100 U	44000 U	220000 U	8500 U	85000 U	700 U
Acenaphthylene	330	50 J	2100 U	5400 J	4200 DJ	4000 J	3600 DJ	700 U
2,6-Dinitrotoluene	330	1100 U	2100 U	44000 U	220000 U	8500 U	85000 U	700 U

Site: SEDIMENT
#: Level IV Validation J: Estimated B: Blank Contamination D: Diluted Result -: Not Detected
U: Not Detected JJ: Estimated Below CRQL E: Exceeds Calibration Range R: Unusable

Table 1
Laboratory Report of Analysis

	SAMPLE LOCATION:	GLSD101XXX92XX	GLSD101XXX92XX	GLSD103XXX92XD	GLSD103XXX92XD	GLSD103XXX92XX	GLSD103XXX92XX	GLSD104XXX92XX
	LAB NUMBER:	1450903 #	1450903 D #	1451908 #	1451908 D #	1451909 #	1451909 D #	1454002 #
	DATE SAMPLED:	10/26/92	10/26/92	10/27/92	10/27/92	10/27/92	10/27/92	10/28/92
	DATE EXTRACTED:	10/29/92	10/29/92	10/30/92	10/30/92	10/30/92	10/30/92	11/26/92
	DATE ANALYZED:	11/11/92	11/13/92	11/18/92	11/20/92	11/18/92	11/20/92	11/30/92
ANALYTE	SOW-3/90 - II CRQL							
3-Nitroaniline	800	2600 U	5200 U	110000 U	530000 U	21000 U	210000 U	1700 U
Acenaphthene	330	1200	1200 DJ	250000 B	230000 BD	99000 BE	140000 BD	400 J
2,4-Dinitrophenol	800	2600 U	5200 U	110000 U	530000 U	21000 U	210000 U	1700 U
4-Nitrophenol	800	2600 U	5200 U	110000 U	530000 U	21000 U	210000 U	1700 U
Dibenzofuran	330	400 J	380 DJ	89000 B	83000 BDJ	40000 B	47000 BDJ	87 J
2,4-Dinitrotoluene	330	1100 U	2100 U	44000 U	220000 U	8500 U	85000 U	700 U
Diethylphthalate	330	1100 U	2100 U	44000 U	220000 U	8500 U	85000 U	13 BJ
4-Chlorophenyl-phenylether	330	1100 U	2100 U	44000 U	220000 U	8500 U	85000 U	700 U
Fluorene	330	810 J	720 DJ	170000 B	170000 BDJ	77000 B	98000 BD	200 J
4-Nitroaniline	800	2600 U	5200 U	110000 U	530000 U	21000 U	210000 U	1700 U
4,6-Dinitro-2-methylphenol	800	2600 U	5200 U	110000 U	530000 U	21000 U	210000 U	1700 U
N-Nitrosodiphenylamine	330	1100 U	2100 U	4000 J	220000 U	8500 U	85000 U	700 U
4-Bromophenyl-phenylether	330	1100 U	2100 U	44000 U	220000 U	8500 U	85000 U	700 U
Hexachlorobenzene	330	1100 U	2100 U	44000 U	220000 U	8500 U	85000 U	700 U
Pentachlorophenol	800	2600 U	5200 U	110000 U	530000 U	21000 U	210000 U	1700 U
Phenanthrene	330	6200	6500 D	1600000 BE	2000000 BDE	800000 BE	1200000 BD	1800
Anthracene	330	1500	1300 DJ	460000 E	410000 D	240000 E	310000 D	500 J
Carbazole	330	620 J	560 DJ	180000	160000 DJ	81000	99000 D	170 J
Di-n-butylphthalate	330	110 J	2100 U	44000 U	220000 U	8500 U	85000 U	700 U
Fluoranthene	330	9600 E	13000 D	1500000 BE	3100000 BDE	790000 BE	1800000 BDE	3400
Pyrene	330	7800	9300 D	1300000 BE	2300000 BDE	660000 BE	1400000 BDE	3000
Butylbenzylphthalate	330	1100 U	2100 U	44000 UJ	220000 U	8500 U	85000 U	700 U
3,3'-Dichlorobenzidine	330	1100 U	2100 U	44000 U	220000 U	8500 U	85000 U	700 U
Benzo(a)Anthracene	330	5600	5300 D	1200000 E	1100000 D	920000 E	1200000 DE	1400
Chrysene	330	6700	6400 D	2000000 E	1800000 DE	1500000 E	2000000 DE	2500
bis(2-Ethylhexyl)phthalate	330	250 BJ	350 BDJ	44000 U	220000 U	8500 U	85000 U	110 BJ
Di-n-octylphthalate	330	10 J	8 DJ	44000 U	220000 U	8500 U	220 DJ	23 BJ
Benzo(b)Fluoranthene	330	4100	4100 D	920000 E	780000 D	700000 E	870000 DE	1700
Benzo(k)Fluoranthene	330	3600	3300 D	490000 E	520000 D	270000 E	540000 D	1400
Benzo(a)Pyrene	330	3900	3800 D	620000 E	580000 D	430000 E	630000 D	2100
Indeno(1,2,3-c,d)Pyrene	330	2900	2800 D	340000	290000 D	240000 E	320000 D	1600
Dibenz(a,h)Anthracene	330	500 J	490 DJ	110000	93000 DJ	93000 E	130000 D	350 J
Benzo(g,h,i)perylene	330	700 J	620 DJ	310000	280000 D	210000 E	300000 D	1400
Dilution Factor:		2.00	4.00	100	500	20.0	200	1.00
Percent Solids:		62	62	75	75	78	78	47
Associated Method Blank:		B0886	B0886	F3150	F3150	F3150	F3150	H9008
Associated Equipment Blank:		GLQS002XXX92XX	GLQS002XXX92XX	GLQS002XXX92XX	GLQS002XXX92XX	GLQS002XXX92XX	GLQS002XXX92XX	GLQS002XXX92XX
Associated Field Blank:		-	-	-	-	-	-	-

Site: SEDIMENT
#: Level IV Validation J: Estimated B: Blank Contamination D: Diluted Result -: Not Detected
U: Not Detected JJ: Estimated Below CRQL E: Exceeds Calibration Range R: Unusable

Table 2
Validation / Summary Table

	SAMPLE LOCATION:	GLSD101XXX92XX	GLSD103XXX92XD	GLSD103XXX92XX	GLSD104XXX92XX
	LAB NUMBER:	1450903 #	1451908 #	1451909 #	1454002 #
	DATE SAMPLED:	10/26/92	10/27/92	10/27/92	10/28/92
	DATE EXTRACTED:	10/29/92	10/30/92	10/30/92	11/26/92
	DATE ANALYZED:	11/11/92	11/18/92	11/18/92	11/30/92
ANALYTE	SOW-3/90 - II CRQL				
Phenol	330	1100 U	44000 U	8500 U	700 UJ
bis(2-Chloroethyl)ether	330	1100 U	44000 U	8500 U	700 UJ
2-Chlorophenol	330	1100 U	44000 U	8500 U	700 UJ
1,3-Dichlorobenzene	330	1100 U	44000 U	8500 U	700 UJ
1,4-Dichlorobenzene	330	1100 U	44000 U	8500 U	700 UJ
1,2-Dichlorobenzene	330	1100 U	44000 U	8500 U	700 UJ
2-Methylphenol	330	1100 U	44000 U	8500 U	700 UJ
2,2'-oxybis(1-Chloropropane)	330	1100 UJ	44000 U	8500 U	700 UJ
4-Methylphenol	330	1100 U	44000 U	100 JJ	700 UJ
N-Nitroso-di-n-propylamine	330	1100 U	44000 U	8500 U	700 UJ
Hexachloroethane	330	1100 U	44000 U	8500 U	700 UJ
Nitrobenzene	330	1100 U	44000 U	8500 U	700 UJ
Isophorone	330	1100 U	44000 U	8500 U	700 UJ
2-Nitrophenol	330	1100 U	44000 U	8500 U	700 UJ
2,4-Dimethylphenol	330	1100 U	44000 U	480 JJ	700 UJ
bis(2-Chloroethoxy)methane	330	1100 U	44000 U	8500 U	700 UJ
2,4-Dichlorophenol	330	1100 U	44000 U	8500 U	700 UJ
1,2,4-Trichlorobenzene	330	1100 U	44000 U	80 JJ	700 UJ
Naphthalene	330	520 JJ	37000 J	17000	130 JJ
4-Chloroaniline	330	1100 U	44000 U	8500 U	700 UJ
Hexachlorobutadiene	330	1100 U	44000 U	8500 U	700 UJ
4-Chloro-3-Methylphenol	330	1100 U	44000 U	8500 U	700 UJ
2-Methylnaphthalene	330	97 JJ	35000 J	16000	33 JJ
Hexachlorocyclopentadiene	330	1100 UJ	44000 UJ	8500 UJ	700 UJ
2,4,6-Trichlorophenol	330	1100 U	44000 U	8500 U	700 UJ
2,4,5-Trichlorophenol	800	2600 U	110000 U	21000 U	1700 UJ
2-Chloronaphthalene	330	1100 U	44000 U	8500 U	700 UJ
2-Nitroaniline	800	2600 U	110000 U	21000 U	1700 UJ
Dimethylphthalate	330	1100 U	44000 U	8500 U	700 UJ
Acenaphthylene	330	50 JJ	5400 JJ	4000 JJ	700 UJ
2,6-Dinitrotoluene	330	1100 U	44000 U	8500 U	700 UJ

Site: SEDIMENT
#: Level IV Validation J: Estimated B: Blank Contamination D: Diluted Result -: Not Detected
U: Not Detected JJ: Estimated Below CRQL E: Exceeds Calibration Range R: Unusable

Table 2
Validation / Summary Table

	SAMPLE LOCATION:	GLSD101XXX92XX		GLSD103XXX92XD		GLSD103XXX92XX		GLSD104XXX92XX	
	LAB NUMBER:	1450903 #		1451908 #		1451909 #		1454002 #	
	DATE SAMPLED:	10/26/92		10/27/92		10/27/92		10/28/92	
	DATE EXTRACTED:	10/29/92		10/30/92		10/30/92		11/26/92	
	DATE ANALYZED:	11/11/92		11/18/92		11/18/92		11/30/92	
ANALYTE	SOW-3/90 - II CRQL								
3-Nitroaniline	800	2600	U	110000	U	21000	U	1700	UJ
Acenaphthene	330	1200		250000		140000	D	400	JJ
2,4-Dinitrophenol	800	2600	U	110000	U	21000	U	1700	UJ
4-Nitrophenol	800	2600	U	110000	U	21000	U	1700	UJ
Dibenzofuran	330	400	JJ	89000		40000		87	JJ
2,4-Dinitrotoluene	330	1100	U	44000	U	8500	U	700	UJ
Diethylphthalate	330	1100	U	44000	U	8500	U	700	UJ
4-Chlorophenyl-phenylether	330	1100	U	44000	U	8500	U	700	UJ
Fluorene	330	810	JJ	170000		77000		200	JJ
4-Nitroaniline	800	2600	U	110000	U	21000	U	1700	UJ
4,6-Dinitro-2-methylphenol	800	2600	U	110000	UJ	21000	UJ	1700	UJ
N-Nitrosodiphenylamine	330	1100	U	4000	JJ	8500	UJ	700	UJ
4-Bromophenyl-phenylether	330	1100	U	44000	UJ	8500	UJ	700	UJ
Hexachlorobenzene	330	1100	U	44000	UJ	8500	UJ	700	UJ
Pentachlorophenol	800	2600	U	110000	UJ	21000	UJ	1700	UJ
Phenanthrene	330	6200		2000000	DEJ	1200000	D	1800	J
Anthracene	330	1500		410000	D	310000	D	500	JJ
Carbazole	330	620	JJ	180000	J	81000	J	170	JJ
Di-n-butylphthalate	330	1100	U	44000	UJ	8500	UJ	700	UJ
Fluoranthene	330	13000	D	3100000	DEJ	1800000	DEJ	3400	J
Pyrene	330	7800	J	2300000	DEJ	1400000	DEJ	3000	J
Butylbenzylphthalate	330	1100	U	44000	UJ	8500	UJ	700	UJ
3,3'-Dichlorobenzidine	330	1100	U	44000	U	8500	UJ	700	UJ
Benzo(a)Anthracene	330	5600		1100000	D	12000000	DEJ	1400	J
Chrysene	330	6700		1800000	DEJ	2000000	DEJ	2500	J
bis(2-Ethylhexyl)phthalate	330	1100	U	44000	UJ	8500	UJ	700	UJ
Di-n-octylphthalate	330	10	JJ	44000	U	8500	U	700	UJ
Benzo(b)Fluoranthene	330	4100		780000	D	870000	DEJ	1700	J
Benzo(k)Fluoranthene	330	3600		520000	D	540000	D	1400	J
Benzo(a)Pyrene	330	3900		580000	D	630000	D	2100	J
Indeno(1,2,3-c,d)Pyrene	330	2900		340000		320000	D	1600	J
Dibenz(a,h)Anthracene	330	500	JJ	110000		130000	D	350	JJ
Benzo(g,h,i)perylene	330	700	JJ	310000		300000	D	1400	J
Dilution Factor:		2.00		100		20.0		1.00	
Percent Solids:		62		75		78		47	
Associated Method Blank:		B0886		F3150		F3150		H9008	
Associated Equipment Blank:		GLQS002XXX92XX		GLQS002XXX92XX		GLQS002XXX92XX		GLQS002XXX92XX	
Associated Field Blank:		-		-		-		-	

Site: SEDIMENT
#: Level IV Validation J: Estimated B: Blank Contamination D: Diluted Result -: Not Detected
U: Not Detected JJ: Estimated Below CRQL E: Exceeds Calibration Range R: Unusable

Table 3
Summary Table

	SAMPLE LOCATION:	GLSD101XXX92XX	GLSD103XXX92XD	GLSD103XXX92XX	GLSD104XXX92XX
	LAB NUMBER:	1450903 #	1451908 #	1451909 #	1454002 #
	DATE SAMPLED:	10/26/92	10/27/92	10/27/92	10/28/92
	DATE EXTRACTED:	10/29/92	10/30/92	10/30/92	11/26/92
	DATE ANALYZED:	11/11/92	11/18/92	11/18/92	11/30/92
ANALYTE	SOW-3/90 - II CRQL				
Phenol	330	-	-	-	-
bis(2-Chloroethyl)ether	330	-	-	-	-
2-Chlorophenol	330	-	-	-	-
1,3-Dichlorobenzene	330	-	-	-	-
1,4-Dichlorobenzene	330	-	-	-	-
1,2-Dichlorobenzene	330	-	-	-	-
2-Methylphenol	330	-	-	-	-
2,2'-oxybis(1-Chloropropane)	330	-	-	-	-
4-Methylphenol	330	-	-	100 JJ	-
N-Nitroso-di-n-propylamine	330	-	-	-	-
Hexachloroethane	330	-	-	-	-
Nitrobenzene	330	-	-	-	-
Isophorone	330	-	-	-	-
2-Nitrophenol	330	-	-	-	-
2,4-Dimethylphenol	330	-	-	480 JJ	-
bis(2-Chloroethoxy)methane	330	-	-	-	-
2,4-Dichlorophenol	330	-	-	-	-
1,2,4-Trichlorobenzene	330	-	-	80 JJ	-
Naphthalene	330	520 JJ	37000 J	17000	130 JJ
4-Chloroaniline	330	-	-	-	-
Hexachlorobutadiene	330	-	-	-	-
4-Chloro-3-Methylphenol	330	-	-	-	-
2-Methylnaphthalene	330	97 JJ	35000 J	16000	33 JJ
Hexachlorocyclopentadiene	330	-	-	-	-
2,4,6-Trichlorophenol	330	-	-	-	-
2,4,5-Trichlorophenol	800	-	-	-	-
2-Chloronaphthalene	330	-	-	-	-
2-Nitroaniline	800	-	-	-	-
Dimethylphthalate	330	-	-	-	-
Acenaphthylene	330	50 JJ	5400 JJ	4000 JJ	-
2,6-Dinitrotoluene	330	-	-	-	-

Site: SEDIMENT
#: Level IV Validation J: Estimated B: Blank Contamination D: Diluted Result -: Not Detected
U: Not Detected JJ: Estimated Below CRQL E: Exceeds Calibration Range R: Unusable

Table 3
Summary Table

	SAMPLE LOCATION:	GLSD101XXX92XX		GLSD103XXX92XD		GLSD103XXX92XX		GLSD104XXX92XX	
	LAB NUMBER:	1450903 #		1451908 #		1451909 #		1454002 #	
	DATE SAMPLED:	10/26/92		10/27/92		10/27/92		10/28/92	
	DATE EXTRACTED:	10/29/92		10/30/92		10/30/92		11/26/92	
	DATE ANALYZED:	11/11/92		11/18/92		11/18/92		11/30/92	
ANALYTE	SOW-3/90 - II CRQL								
3-Nitroaniline	800	-		-		-		-	
Acenaphthene	330	1200		250000		140000	D	400	JJ
2,4-Dinitrophenol	800	-		-		-		-	
4-Nitrophenol	800	-		-		-		-	
Dibenzofuran	330	400	JJ	89000		40000		87	JJ
2,4-Dinitrotoluene	330	-		-		-		-	
Diethylphthalate	330	-		-		-		-	
4-Chlorophenyl-phenylether	330	-		-		-		-	
Fluorene	330	810	JJ	170000		77000		200	JJ
4-Nitroaniline	800	-		-		-		-	
4,6-Dinitro-2-methylphenol	800	-		-		-		-	
N-Nitrosodiphenylamine	330	-		4000	JJ	-		-	
4-Bromophenyl-phenylether	330	-		-		-		-	
Hexachlorobenzene	330	-		-		-		-	
Pentachlorophenol	800	-		-		-		-	
Phenanthrene	330	6200		2000000	DEJ	1200000	D	1800	J
Anthracene	330	1800		410000	D	310000	D	500	JJ
Carbazole	330	620	JJ	180000	J	81000	J	170	JJ
Di-n-butylphthalate	330	-		-		-		-	
Fluoranthene	330	13000	D	3100000	DEJ	1800000	DEJ	3400	J
Pyrene	330	7800	J	2300000	DEJ	1400000	DEJ	3000	J
Butylbenzylphthalate	330	-		-		-		-	
3,3'-Dichlorobenzidine	330	-		-		-		-	
Benzo(a)Anthracene	330	5600		1100000	D	12000000	DEJ	1400	J
Chrysene	330	6700		1800000	DEJ	2000000	DEJ	2500	J
bis(2-Ethylhexyl)phthalate	330	-		-		-		-	
Di-n-octylphthalate	330	10	JJ	-		-		-	
Benzo(b)Fluoranthene	330	4100		780000	D	870000	DEJ	1700	J
Benzo(k)Fluoranthene	330	3600		520000	D	540000	D	1400	J
Benzo(a)Pyrene	330	3900		580000	D	630000	D	2100	J
Indeno(1,2,3-c,d)Pyrene	330	2900		340000		320000	D	1600	J
Dibenz(a,h)Anthracene	330	500	JJ	110000		130000	D	350	JJ
Benzo(g,h,i)perylene	330	700	JJ	310000		300000	D	1400	J
Dilution Factor:		2.00		100		20.0		1.00	
Percent Solids:		62		75		78		47	
Associated Method Blank:		B0886		F3150		F3150		H9008	
Associated Equipment Blank:		GLQS002XXX92XX		GLQS002XXX92XX		GLQS002XXX92XX		GLQS002XXX92XX	
Associated Field Blank:		-		-		-		-	

Site: SEDIMENT
#: Level IV Validation J: Estimated B: Blank Contamination D: Diluted Result -: Not Detected
U: Not Detected JJ: Estimated Below CRQL E: Exceeds Calibration Range R: Unusable

Table 1
Laboratory Report of Analysis

	SAMPLE LOCATION:	GLTB104X0492XX	GLTB104X0492XX	GLTB105X0292XX	GLTB105X0292XX	GLTB106X0692XX	GLTB106X0692XX	GLTB107X0292XX	GLTB107X0292XX
	LAB NUMBER:	1451914 #	1451914 D #	1451915 #	1451915 D #	1451916 #	1451916 D #	1451917 #	1451917 D #
	DATE SAMPLED:	10/27/92	10/27/92	10/27/92	10/27/92	10/27/92	10/27/92	10/27/92	10/27/92
	DATE EXTRACTED:	10/30/92	10/30/92	10/30/92	10/30/92	10/30/92	10/30/92	10/30/92	10/30/92
	DATE ANALYZED:	11/19/92	11/20/92	11/19/92	11/20/92	11/19/92	11/20/92	11/19/92	11/20/92
ANALYTE	SOW-3/90 - II CRQL								
Phenol	330	180 BJ	18000 U	690 BJ	39000 U	350 BJ	360 BDJ	2200 U	22000 U
bis(2-Chloroethyl)ether	330	1800 U	18000 U	2000 U	39000 U	7000 U	14000 U	2200 U	22000 U
2-Chlorophenol	330	1800 U	18000 U	2000 U	39000 U	7000 U	14000 U	2200 U	22000 U
1,3-Dichlorobenzene	330	1800 U	18000 U	2000 U	39000 U	7000 U	14000 U	2200 U	22000 U
1,4-Dichlorobenzene	330	1800 U	18000 U	2000 U	39000 U	7000 U	14000 U	2200 U	22000 U
1,2-Dichlorobenzene	330	1800 U	18000 U	2000 U	39000 U	7000 U	14000 U	2200 U	22000 U
2-Methylphenol	330	130 J	18000 U	290 J	39000 U	7000 U	14000 U	2200 U	22000 U
2,2'-oxybis(1-Chloropropane)	330	1800 U	18000 U	2000 U	39000 U	7000 U	14000 U	2200 U	22000 U
4-Methylphenol	330	410 J	18000 U	880 J	39000 U	500 J	530 DJ	130 J	22000 U
N-Nitroso-di-n-propylamine	330	1800 U	18000 U	2000 U	39000 U	7000 U	14000 U	2200 U	22000 U
Hexachloroethane	330	1800 U	18000 U	2000 U	39000 U	7000 U	14000 U	2200 U	22000 U
Nitrobenzene	330	1800 U	18000 U	2000 U	39000 U	7000 U	14000 U	2200 U	22000 U
Isophorone	330	1800 U	18000 U	2000 U	39000 U	7000 U	14000 U	2200 U	22000 U
2-Nitrophenol	330	1800 U	18000 U	2000 U	39000 U	7000 U	14000 U	2200 U	22000 U
2,4-Dimethylphenol	330	210 J	18000 U	480 J	39000 U	260 J	14000 U	51 J	22000 U
bis(2-Chloroethoxy)methane	330	1800 U	18000 U	2000 U	39000 U	7000 U	14000 U	2200 U	22000 U
2,4-Dichlorophenol	330	1800 U	18000 U	2000 U	39000 U	7000 U	14000 U	2200 U	22000 U
1,2,4-Trichlorobenzene	330	1800 U	18000 U	2000 U	39000 U	7000 U	14000 U	2200 U	22000 U
Naphthalene	330	23000 BE	24000 BD	50000 BE	53000 BD	29000 B	29000 BD	17000 B	22000 BD
4-Chloroaniline	330	1800 U	18000 U	2000 U	39000 U	7000 U	14000 U	2200 U	22000 U
Hexachlorobutadiene	330	1800 U	18000 U	2000 U	39000 U	7000 U	14000 U	2200 U	22000 U
4-Chloro-3-Methylphenol	330	1800 U	18000 U	2000 U	39000 U	7000 U	14000 U	2200 U	22000 U
2-Methylnaphthalene	330	6200 B	5800 BDJ	14000 B	11000 BDJ	7100 B	6900 BDJ	3700 B	4400 BDJ
Hexachlorocyclopentadiene	330	1800 U	18000 U	2000 U	39000 U	7000 U	14000 U	2200 U	22000 U
2,4,6-Trichlorophenol	330	1800 U	18000 U	2000 U	39000 U	7000 U	14000 U	2200 U	22000 U
2,4,5-Trichlorophenol	800	4300 U	43000 U	4800 U	95000 U	17000 U	34000 U	5300 U	53000 U
2-Chloronaphthalene	330	1800 U	18000 U	2000 U	39000 U	7000 U	14000 U	2200 U	22000 U
2-Nitroaniline	800	4300 U	43000 U	4800 U	95000 U	17000 U	34000 U	5300 U	53000 U
Dimethylphthalate	330	1800 U	18000 U	2000 U	39000 U	7000 U	14000 U	2200 U	22000 U
Acenaphthylene	330	9900	8900 DJ	2000 U	39000 U	620 J	620 DJ	210 J	22000 U
2,6-Dinitrotoluene	330	1800 U	18000 U	2000 U	39000 U	7000 U	14000 U	2200 U	22000 U

Site: TEST BORING
#: Level IV Validation J: Estimated B: Blank Contamination D: Diluted Result -: Not Detected
U: Not Detected JJ: Estimated Below CRQL E: Exceeds Calibration Range R: Unusable

Table 1
Laboratory Report of Analysis

SAMPLE LOCATION:	GLTB104X0492XX	GLTB104X0492XX	GLTB105X0292XX	GLTB105X0292XX	GLTB106X0692XX	GLTB106X0692XX	GLTB107X0292XX	GLTB107X0292XX
LAB NUMBER:	1451914 #	1451914 D #	1451915 #	1451915 D #	1451916 #	1451916 D #	1451917 #	1451917 D #
DATE SAMPLED:	10/27/92	10/27/92	10/27/92	10/27/92	10/27/92	10/27/92	10/27/92	10/27/92
DATE EXTRACTED:	10/30/92	10/30/92	10/30/92	10/30/92	10/30/92	10/30/92	10/30/92	10/30/92
DATE ANALYZED:	11/19/92	11/20/92	11/19/92	11/20/92	11/19/92	11/20/92	11/19/92	11/20/92

ANALYTE	SOW-3/90 - II CRQL															
3-Nitroaniline	800	4300	U	43000	U	4800	U	95000	U	17000	U	34000	U	5300	U	53000	U
Acenaphthene	330	17000	BE	17000	BDJ	55000	BE	61000	BD	47000	B	47000	BD	21000	BE	27000	BD
2,4-Dinitrophenol	800	4300	U	43000	U	4800	U	95000	U	17000	U	34000	U	5300	U	53000	U
4-Nitrophenol	800	4300	U	43000	U	4800	U	95000	U	17000	U	34000	U	5300	U	53000	U
Dibenzofuran	330	13000	B	14000	BDJ	32000	BE	31000	BDJ	20000	B	21000	BD	12000	B	17000	BDJ
2,4-Dinitrotoluene	330	1800	U	18000	U	2000	U	39000	U	7000	U	14000	U	2200	U	22000	U
Diethylphthalate	330	1800	U	18000	U	2000	U	39000	U	7000	U	14000	U	2200	U	22000	U
4-Chlorophenyl-phenylether	330	1800	U	18000	U	2000	U	39000	U	7000	U	14000	U	2200	U	22000	U
Fluorene	330	19000	BE	22000	BD	46000	BE	47000	BD	29000	B	34000	BD	18000	BE	26000	BD
4-Nitroaniline	800	4300	U	43000	U	4800	U	95000	U	17000	U	34000	U	5300	U	53000	U
4,6-Dinitro-2-methylphenol	800	4300	U	43000	U	4800	U	95000	U	17000	U	34000	U	5300	U	53000	U
N-Nitrosodiphenylamine	330	1800	U	18000	U	2000	U	39000	U	7000	U	14000	U	2200	U	22000	U
4-Bromophenyl-phenylether	330	1800	U	18000	U	2000	U	39000	U	7000	U	14000	U	2200	U	22000	U
Hexachlorobenzene	330	1800	U	18000	U	2000	U	39000	U	7000	U	14000	U	2200	U	22000	U
Pentachlorophenol	800	4300	U	43000	U	4800	U	95000	U	17000	U	34000	U	5300	U	53000	U
Phenanthrene	330	92000	BE	120000	BD	280000	BE	350000	BDE	200000	BE	240000	BDE	130000	BE	250000	BDE
Anthracene	330	32000	E	35000	D	100000	E	99000	D	68000	E	68000	D	43000	E	56000	D
Carbazole	330	14000		12000	DJ	37000	E	31000	DJ	25000		23000	D	17000		22000	D
Di-n-butylphthalate	330	1800	U	18000	U	2000	U	39000	U	7000	U	14000	U	2200	U	22000	U
Fluoranthene	330	56000	BE	130000	BD	220000	BE	410000	BDE	170000	BE	240000	BDE	92000	BE	340000	BDE
Pyrene	330	60000	BE	110000	BD	130000	BE	330000	BDE	150000	BE	210000	BDE	89000	BE	290000	BDE
Butylbenzylphthalate	330	1800	U	18000	U	2000	U	39000	U	7000	U	14000	U	2200	U	22000	U
3,3'-Dichlorobenzidine	330	1800	U	18000	U	2000	U	39000	U	7000	U	14000	U	2200	U	22000	U
Benzo(a)Anthracene	330	54000	E	54000	D	210000	E	170000	D	130000	E	140000	DE	110000	E	140000	D
Chrysene	330	76000	E	67000	D	270000	E	190000	D	170000	E	180000	DE	150000	E	170000	D
bis(2-Ethylhexyl)phthalate	330	1800	U	18000	U	2000	U	39000	U	7000	U	14000	U	2200	U	22000	U
Di-n-octylphthalate	330	1800	U	18000	U	2000	U	39000	U	120	J	14000	U	2200	U	22000	U
Benzo(b)Fluoranthene	330	34000	E	31000	D	120000	E	100000	D	87000	E	80000	D	73000	E	92000	D
Benzo(k)Fluoranthene	330	29000	E	32000	D	84000	E	100000	D	79000	E	89000	D	50000	E	88000	D
Benzo(a)Pyrene	330	41000	E	41000	D	150000	E	140000	D	110000	E	120000	DE	90000	E	120000	D
Indeno(1,2,3-c,d)Pyrene	330	31000	E	27000	D	110000	E	88000	D	85000	E	80000	D	69000	E	80000	D
Dibenz(a,h)Anthracene	330	7300		7200	DJ	32000	E	22000	DJ	20000		19000	D	21000	E	19000	DJ
Benzo(g,h,i)perylene	330	16000	E	15000	DJ	75000	E	63000	D	64000	E	62000	D	51000	E	58000	D

Dilution Factor:	5.00	50.0	5.00	100	20.0	40.0	5.00	50.0
Percent Solids:	92	92	84	84	94	94	76	76
Associated Method Blank:	F3150	F3150	F3150	F3150	F3150	F3150	F3150	F3150
Associated Equipment Blank:	GLQS003XXX92XX	GLQS003XXX92XX	GLQS003XXX92XX	GLQS003XXX92XX	GLQS003XXX92XX	GLQS003XXX92XX	GLQS003XXX92XX	GLQS003XXX92XX
Associated Field Blank:	-	-	-	-	-	-	-	-

Site: TEST BORING
#: Level IV Validation J: Estimated B: Blank Contamination D: Diluted Result -: Not Detected
U: Not Detected JJ: Estimated Below CRQL E: Exceeds Calibration Range R: Unusable

Table 1
Laboratory Report of Analysis

SAMPLE LOCATION: GLTB108X0492XX
LAB NUMBER: 1451913 #
DATE SAMPLED: 10/27/92
DATE EXTRACTED: 10/30/92
DATE ANALYZED: 11/19/92

ANALYTE	SOW-3/90 - II CRQL		
Phenol	330	370	U
bis(2-Chloroethyl)ether	330	370	U
2-Chlorophenol	330	370	U
1,3-Dichlorobenzene	330	370	U
1,4-Dichlorobenzene	330	370	U
1,2-Dichlorobenzene	330	370	U
2-Methylphenol	330	370	U
2,2'-oxybis(1-Chloropropane)	330	370	U
4-Methylphenol	330	370	U
N-Nitroso-di-n-propylamine	330	370	U
Hexachloroethane	330	370	U
Nitrobenzene	330	370	U
Isophorone	330	370	U
2-Nitrophenol	330	370	U
2,4-Dimethylphenol	330	370	U
bis(2-Chloroethoxy)methane	330	370	U
2,4-Dichlorophenol	330	370	U
1,2,4-Trichlorobenzene	330	370	U
Naphthalene	330	69	BJ
4-Chloroaniline	330	370	U
Hexachlorobutadiene	330	370	U
4-Chloro-3-Methylphenol	330	370	U
2-Methylnaphthalene	330	26	BJ
Hexachlorocyclopentadiene	330	370	U
2,4,6-Trichlorophenol	330	370	U
2,4,5-Trichlorophenol	800	910	U
2-Chloronaphthalene	330	370	U
2-Nitroaniline	800	910	U
Dimethylphthalate	330	370	U
Acenaphthylene	330	24	J
2,6-Dinitrotoluene	330	370	U

Site: TEST BORING
#: Level IV Validation J: Estimated B: Blank Contamination D: Diluted Result -: Not Detected
U: Not Detected JJ: Estimated Below CRQL E: Exceeds Calibration Range R: Unusable

Table 1
Laboratory Report of Analysis

SAMPLE LOCATION: GLTB108X0492XX
LAB NUMBER: 1451913 #
DATE SAMPLED: 10/27/92
DATE EXTRACTED: 10/30/92
DATE ANALYZED: 11/19/92

ANALYTE	SOW-3/90 - II CRQL		
3-Nitroaniline	800	910	U
Acenaphthene	330	210	BJ
2,4-Dinitrophenol	800	910	U
4-Nitrophenol	800	910	U
Dibenzofuran	330	57	BJ
2,4-Dinitrotoluene	330	370	U
Diethylphthalate	330	17	J
4-Chlorophenyl-phenylether	330	370	U
Fluorene	330	99	BJ
4-Nitroaniline	800	910	U
4,6-Dinitro-2-methylphenol	800	910	U
N-Nitrosodiphenylamine	330	370	U
4-Bromophenyl-phenylether	330	370	U
Hexachlorobenzene	330	370	U
Pentachlorophenol	800	910	U
Phenanthrene	330	1100	B
Anthracene	330	220	J
Carbazole	330	99	J
Di-n-butylphthalate	330	370	U
Fluoranthene	330	1800	B
Pyrene	330	1800	B
Butylbenzylphthalate	330	370	U
3,3'-Dichlorobenzidine	330	370	U
Benzo(a)Anthracene	330	720	
Chrysene	330	1100	
bis(2-Ethylhexyl)phthalate	330	370	U
Di-n-octylphthalate	330	370	U
Benzo(b)Fluoranthene	330	580	
Benzo(k)Fluoranthene	330	490	
Benzo(a)Pyrene	330	660	
Indeno(1,2,3-c,d)Pyrene	330	550	
Dibenz(a,h)Anthracene	330	140	J
Benzo(g,h,i)perylene	330	280	J

Dilution Factor: 1.00
Percent Solids: 88

Associated Method Blank: F3150
Associated Equipment Blank: GLQS002XXX92XX
Associated Field Blank: -

Site: TEST BORING
#: Level IV Validation J: Estimated B: Blank Contamination D: Diluted Result -: Not Detected
U: Not Detected JJ: Estimated Below CRQL E: Exceeds Calibration Range R: Unusable

Table 2
Validation / Summary Table

	SAMPLE LOCATION:	GLTB104X0492XX	GLTB105X0292XX	GLTB106X0692XX	GLTB107X0292XX	GLTB108X0492XX
	LAB NUMBER:	1451914 #	1451915 #	1451916 #	1451917 #	1451913 #
	DATE SAMPLED:	10/27/92	10/27/92	10/27/92	10/27/92	10/27/92
	DATE EXTRACTED:	10/30/92	10/30/92	10/30/92	10/30/92	10/30/92
	DATE ANALYZED:	11/19/92	11/19/92	11/19/92	11/19/92	11/19/92
ANALYTE	SOW-3/90 - II CRQL					
Phenol	330	1800 U	2000 U	7000 U	2200 U	370 U
bis(2-Chloroethyl)ether	330	1800 U	2000 U	7000 U	2200 U	370 U
2-Chlorophenol	330	1800 U	2000 U	7000 U	2200 U	370 U
1,3-Dichlorobenzene	330	1800 U	2000 U	7000 U	2200 U	370 U
1,4-Dichlorobenzene	330	1800 U	2000 U	7000 U	2200 U	370 U
1,2-Dichlorobenzene	330	1800 U	2000 U	7000 U	2200 U	370 U
2-Methylphenol	330	130 JJ	290 JJ	7000 U	2200 U	370 U
2,2'-oxybis(1-Chloropropane)	330	1800 U	2000 U	7000 U	2200 U	370 U
4-Methylphenol	330	410 JJ	880 JJ	500 JJ	130 JJ	370 U
N-Nitroso-di-n-propylamine	330	1800 U	2000 U	7000 U	2200 U	370 U
Hexachloroethane	330	1800 U	2000 U	7000 U	2200 U	370 U
Nitrobenzene	330	1800 U	2000 U	7000 U	2200 U	370 U
Isophorone	330	1800 U	2000 U	7000 U	2200 U	370 U
2-Nitrophenol	330	1800 U	2000 U	7000 U	2200 U	370 U
2,4-Dimethylphenol	330	210 JJ	480 JJ	260 JJ	51 JJ	370 U
bis(2-Chloroethoxy)methane	330	1800 U	2000 U	7000 U	2200 U	370 U
2,4-Dichlorophenol	330	1800 U	2000 U	7000 U	2200 U	370 U
1,2,4-Trichlorobenzene	330	1800 U	2000 U	7000 U	2200 U	370 U
Naphthalene	330	24000 DJ	53000 D	29000	17000	69 JJ
4-Chloroaniline	330	1800 U	2000 U	7000 U	2200 U	370 U
Hexachlorobutadiene	330	1800 U	2000 U	7000 U	2200 U	370 U
4-Chloro-3-Methylphenol	330	1800 U	2000 U	7000 U	2200 U	370 U
2-Methylnaphthalene	330	6200	14000	7100	3700	370 U
Hexachlorocyclopentadiene	330	1800 UJ	2000 UJ	7000 UJ	2200 UJ	370 UJ
2,4,6-Trichlorophenol	330	1800 U	2000 U	7000 U	2200 U	370 U
2,4,5-Trichlorophenol	800	4300 U	4800 U	17000 U	5300 U	910 U
2-Chloronaphthalene	330	1800 U	2000 U	7000 U	2200 U	370 U
2-Nitroaniline	800	4300 U	4800 U	17000 U	5300 U	910 U
Dimethylphthalate	330	1800 U	2000 U	7000 U	2200 U	370 U
Acenaphthylene	330	9900	2000 U	620 JJ	210 JJ	24 JJ
2,6-Dinitrotoluene	330	1800 U	2000 U	7000 U	2200 U	370 U

Site: TEST BORING
#: Level IV Validation J: Estimated B: Blank Contamination D: Diluted Result -: Not Detected
U: Not Detected JJ: Estimated Below CRQL E: Exceeds Calibration Range R: Unusable

Table 2
Validation / Summary Table

	SAMPLE LOCATION:	GLTB104X0492XX		GLTB105X0292XX		GLTB106X0692XX		GLTB107X0292XX		GLTB108X0492XX	
	LAB NUMBER:	1451914 #		1451915 #		1451916 #		1451917 #		1451913 #	
	DATE SAMPLED:	10/27/92		10/27/92		10/27/92		10/27/92		10/27/92	
	DATE EXTRACTED:	10/30/92		10/30/92		10/30/92		10/30/92		10/30/92	
	DATE ANALYZED:	11/19/92		11/19/92		11/19/92		11/19/92		11/19/92	
ANALYTE	SOW-3/90 - II CRQL										
3-Nitroaniline	800	4300	U	4800	U	17000	U	5300	U	910	U
Acenaphthene	330	17000	DJJ	61000	D	47000		27000	DJ	210	JJ
2,4-Dinitrophenol	800	4300	U	4800	U	17000	U	5300	U	910	U
4-Nitrophenol	800	4300	U	4800	U	17000	U	5300	U	910	U
Dibenzofuran	330	13000		31000	DJJ	20000		12000		57	JJ
2,4-Dinitrotoluene	330	1800	U	2000	U	7000	U	2200	U	370	U
Diethylphthalate	330	1800	U	2000	U	7000	U	2200	U	370	U
4-Chlorophenyl-phenylether	330	1800	U	2000	U	7000	U	2200	U	370	U
Fluorene	330	22000	DJ	47000	D	29000		26000	DJ	99	J
4-Nitroaniline	800	4300	U	4800	U	17000	U	5300	U	910	U
4,6-Dinitro-2-methylphenol	800	4300	UJ	4800	UJ	17000	UJ	5300	UJ	910	U
N-Nitrosodiphenylamine	330	1800	UJ	2000	UJ	7000	UJ	2200	UJ	370	U
4-Bromophenyl-phenylether	330	1800	UJ	2000	UJ	7000	UJ	2200	UJ	370	U
Hexachlorobenzene	330	1800	UJ	2000	UJ	7000	UJ	2200	UJ	370	U
Pentachlorophenol	800	4300	UJ	4800	UJ	17000	UJ	5300	UJ	910	U
Phenanthrene	330	120000	DJ	350000	DEJ	240000	DEJ	250000	DEJ	1100	J
Anthracene	330	35000	DJ	99000	D	68000	D	56000	DJ	220	JJ
Carbazole	330	14000	J	31000	DJJ	25000	J	17000	J	99	JJ
Di-n-butylphthalate	330	1800	UJ	2000	UJ	7000	UJ	2200	UJ	370	U
Fluoranthene	330	130000	DJ	410000	DEJ	240000	DEJ	340000	DEJ	1800	
Pyrene	330	110000	DJ	330000	DEJ	210000	DEJ	290000	DEJ	1800	
Butylbenzylphthalate	330	1800	UJ	2000	UJ	7000	UJ	2200	UJ	370	UJ
3,3'-Dichlorobenzidine	330	1800	UJ	2000	UJ	7000	U	2200	U	370	U
Benzo(a)Anthracene	330	54000	DJ	170000	D	140000	DEJ	140000	DJ	720	
Chrysene	330	67000	DJ	190000	D	180000	DEJ	170000	DJ	1100	
bis(2-Ethylhexyl)phthalate	330	1800	UJ	2000	UJ	7000	UJ	2200	UJ	370	UJ
Di-n-octylphthalate	330	1800	U	2000	U	120	JJ	2200	U	370	U
Benzo(b)Fluoranthene	330	31000	DJ	100000	D	80000	D	92000	DJ	580	
Benzo(k)Fluoranthene	330	32000	DJ	100000	D	89000	D	88000	DJ	490	
Benzo(a)Pyrene	330	41000	DJ	140000	D	120000	DEJ	120000	DJ	660	
Indeno(1,2,3-c,d)Pyrene	330	27000	DJ	88000	D	80000	D	80000	DJ	550	
Dibenz(a,h)Anthracene	330	7300		22000	DJJ	20000		19000	DJJ	140	J
Benzo(g,h,i)perylene	330	15000	DJJ	63000	D	62000	D	58000	DJ	280	J
Dilution Factor:		5.00		5.00		20.0		5.00		1.00	
Percent Solids:		92		84		94		76		88	
Associated Method Blank:		F3150		F3150		F3150		F3150		F3150	
Associated Equipment Blank:		GLQS003XXX92XX		GLQS003XXX92XX		GLQS003XXX92XX		GLQS003XXX92XX		GLQS002XXX92XX	
Associated Field Blank:		-		-		-		-		-	

Site: TEST BORING
#: Level IV Validation J: Estimated B: Blank Contamination D: Diluted Result -: Not Detected
U: Not Detected JJ: Estimated Below CRQL E: Exceeds Calibration Range R: Unusable

Table 3
Summary Table

	SAMPLE LOCATION:	GLTB104X0492XX	GLTB105X0292XX	GLTB106X0692XX	GLTB107X0292XX	GLTB108X0492XX
	LAB NUMBER:	1451914 #	1451915 #	1451916 #	1451917 #	1451913 #
	DATE SAMPLED:	10/27/92	10/27/92	10/27/92	10/27/92	10/27/92
	DATE EXTRACTED:	10/30/92	10/30/92	10/30/92	10/30/92	10/30/92
	DATE ANALYZED:	11/19/92	11/19/92	11/19/92	11/19/92	11/19/92
ANALYTE	SOW-3/90 - II CRQL					
Phenol	330	-	-	-	-	-
bis(2-Chloroethyl)ether	330	-	-	-	-	-
2-Chlorophenol	330	-	-	-	-	-
1,3-Dichlorobenzene	330	-	-	-	-	-
1,4-Dichlorobenzene	330	-	-	-	-	-
1,2-Dichlorobenzene	330	-	-	-	-	-
2-Methylphenol	330	130 JJ	290 JJ	-	-	-
2,2'-oxybis(1-Chloropropane)	330	-	-	-	-	-
4-Methylphenol	330	410 JJ	880 JJ	500 JJ	130 JJ	-
N-Nitroso-di-n-propylamine	330	-	-	-	-	-
Hexachloroethane	330	-	-	-	-	-
Nitrobenzene	330	-	-	-	-	-
Isophorone	330	-	-	-	-	-
2-Nitrophenol	330	-	-	-	-	-
2,4-Dimethylphenol	330	210 JJ	480 JJ	260 JJ	51 JJ	-
bis(2-Chloroethoxy)methane	330	-	-	-	-	-
2,4-Dichlorophenol	330	-	-	-	-	-
1,2,4-Trichlorobenzene	330	-	-	-	-	-
Naphthalene	330	24000 DJ	53000 D	29000	17000	69 JJ
4-Chloroaniline	330	-	-	-	-	-
Hexachlorobutadiene	330	-	-	-	-	-
4-Chloro-3-Methylphenol	330	-	-	-	-	-
2-Methylnaphthalene	330	6200	14000	7100	3700	-
Hexachlorocyclopentadiene	330	-	-	-	-	-
2,4,6-Trichlorophenol	330	-	-	-	-	-
2,4,5-Trichlorophenol	800	-	-	-	-	-
2-Chloronaphthalene	330	-	-	-	-	-
2-Nitroaniline	800	-	-	-	-	-
Dimethylphthalate	330	-	-	-	-	-
Acenaphthylene	330	9900	-	620 JJ	210 JJ	24 JJ
2,6-Dinitrotoluene	330	-	-	-	-	-

Site: TEST BORING
#: Level IV Validation J: Estimated B: Blank Contamination D: Diluted Result -: Not Detected
U: Not Detected JJ: Estimated Below CRQL E: Exceeds Calibration Range R: Unusable

Table 3
Summary Table

ANALYTE	SOW-3/90 - II CRQL									
SAMPLE LOCATION:		GLTB104X0492XX		GLTB105X0292XX		GLTB106X0692XX		GLTB107X0292XX		GLTB108X0492XX	
LAB NUMBER:		1451914 #		1451915 #		1451916 #		1451917 #		1451913 #	
DATE SAMPLED:		10/27/92		10/27/92		10/27/92		10/27/92		10/27/92	
DATE EXTRACTED:		10/30/92		10/30/92		10/30/92		10/30/92		10/30/92	
DATE ANALYZED:		11/19/92		11/19/92		11/19/92		11/19/92		11/19/92	
3-Nitroaniline	800	-		-		-		-		-	
Acenaphthene	330	17000	DJJ	61000	D	47000		27000	DJ	210	JJ
2,4-Dinitrophenol	800	-		-		-		-		-	
4-Nitrophenol	800	-		-		-		-		-	
Dibenzofuran	330	13000		31000	DJJ	20000		12000		57	JJ
2,4-Dinitrotoluene	330	-		-		-		-		-	
Diethylphthalate	330	-		-		-		-		-	
4-Chlorophenyl-phenylether	330	-		-		-		-		-	
Fluorene	330	22000	DJ	47000	D	29000		26000	DJ	99	J
4-Nitroaniline	800	-		-		-		-		-	
4,6-Dinitro-2-methylphenol	800	-		-		-		-		-	
N-Nitrosodiphenylamine	330	-		-		-		-		-	
4-Bromophenyl-phenylether	330	-		-		-		-		-	
Hexachlorobenzene	330	-		-		-		-		-	
Pentachlorophenol	800	-		-		-		-		-	
Phenanthrene	330	120000	DJ	350000	DEJ	240000	DEJ	250000	DEJ	1100	J
Anthracene	330	35000	DJ	99000	D	68000	D	56000	DJ	220	JJ
Carbazole	330	14000	J	31000	DJJ	25000	J	17000	J	99	JJ
Di-n-butylphthalate	330	-		-		-		-		-	
Fluoranthene	330	130000	DJ	410000	DEJ	240000	DEJ	340000	DEJ	1800	
Pyrene	330	110000	DJ	330000	DEJ	210000	DEJ	290000	DEJ	1800	
Butylbenzylphthalate	330	-		-		-		-		-	
3,3'-Dichlorobenzidine	330	-		-		-		-		-	
Benzo(a)Anthracene	330	54000	DJ	170000	D	140000	DEJ	140000	DJ	720	
Chrysene	330	67000	DJ	190000	D	180000	DEJ	170000	DJ	1100	
bis(2-Ethylhexyl)phthalate	330	-		-		-		-		-	
Di-n-octylphthalate	330	-		-		120	JJ	-		-	
Benzo(b)Fluoranthene	330	31000	DJ	100000	D	80000	D	92000	DJ	580	
Benzo(k)Fluoranthene	330	32000	DJ	100000	D	89000	D	88000	DJ	490	
Benzo(a)Pyrene	330	41000	DJ	140000	D	120000	DEJ	120000	DJ	660	
Indeno(1,2,3-c,d)Pyrene	330	27000	DJ	88000	D	80000	D	80000	DJ	550	
Dibenz(a,h)Anthracene	330	7300		22000	DJJ	20000		19000	DJJ	140	J
Benzo(g,h,i)perylene	330	15000	DJJ	63000	D	62000	D	58000	DJ	280	J
Dilution Factor:		5.00		5.00		20.0		5.00		1.00	
Percent Solids:		92		84		94		76		88	
Associated Method Blank:		F3150		F3150		F3150		F3150		F3150	
Associated Equipment Blank:		GLQS003XXX92XX		GLQS003XXX92XX		GLQS003XXX92XX		GLQS003XXX92XX		GLQS002XXX92XX	
Associated Field Blank:		-		-		-		-		-	

Site: TEST BORING
#: Level IV Validation J: Estimated B: Blank Contamination D: Diluted Result -: Not Detected
U: Not Detected JJ: Estimated Below CRQL E: Exceeds Calibration Range R: Unusable

Table 1
Laboratory Report of Analysis

	SAMPLE LOCATION:	GLMW101X1492XD	GLMW101X1492XX	GLMW102X1492XX
	LAB NUMBER:	1478605 #	1478602 #	1478601 #
	DATE SAMPLED:	11/16/92	11/16/92	11/16/92
	DATE EXTRACTED:	11/20/92	11/20/92	11/20/92
	DATE ANALYZED:	12/02/92	12/02/92	12/02/92
ANALYTE	SOW-3/90 - II CRQL			
alpha-BHC	0.05	0.05 U	0.05 U	0.05 U
beta-BHC	0.05	0.05 U	0.05 U	0.05 U
delta-BHC	0.05	0.05 U	0.05 U	0.05 U
gamma-BHC (Lindane)	0.05	0.05 U	0.05 U	0.05 U
Heptachlor	0.05	0.05 U	0.05 U	0.05 U
Aldrin	0.05	0.05 U	0.05 U	0.05 U
Heptachlor Epoxide	0.05	0.05 U	0.05 U	0.05 U
Endosulfan I	0.05	0.05 U	0.05 U	0.05 U
Dieldrin	0.1	0.1 U	0.1 U	0.1 U
4,4'-DDE	0.1	0.1 U	0.1 U	0.1 U
Endrin	0.1	0.1 U	0.1 U	0.1 U
Endosulfan II	0.1	0.1 U	0.1 U	0.1 U
4,4'-DDD	0.1	0.1 U	0.1 U	0.1 U
Endrin Aldehyde	0.1	0.1 U	0.1 U	0.1 U
Endosulfan Sulfate	0.1	0.1 U	0.1 U	0.1 U
4,4'-DDT	0.1	0.1 U	0.1 U	0.1 U
Methoxychlor	0.5	0.5 U	0.5 U	0.5 U
Endrin Ketone	0.1	0.1 U	0.1 U	0.1 U
alpha-Chlordane	0.05	0.05 U	0.05 U	0.05 U
gamma-Chlordane	0.05	0.05 U	0.05 U	0.05 U
Toxaphene	5	5 U	5 U	5 U
Aroclor-1016	1	1 U	1 U	1 U
Aroclor-1221	2	2 U	2 U	2 U
Aroclor-1232	1	1 U	1 U	1 U
Aroclor-1242	1	1 U	1 U	1 U
Aroclor-1248	1	1 U	1 U	1 U
Aroclor-1254	1	1 U	1 U	1 U
Aroclor-1260	1	1 U	1 U	1 U
Dilution Factor:		1.00	1.00	1.00
Associated Method Blank:		PBLK50116	PBLK50116	PBLK50116
Associated Equipment Blank:		-	-	-
Associated Field Blank:		-	-	-

Site: MONITORING WELL
#: Level IV Validation J: Estimated B: Blank Contamination R: Unusable P: >25% Difference between Columns
U: Not Detected JJ: Estimated Below CRQL D: Diluted Result -: Not Detected C: Confirmed by GC/MS

Table 2
Validation / Summary Table

	SAMPLE LOCATION:	GLMW101X1492XD	GLMW101X1492XX	GLMW102X1492XX
	LAB NUMBER:	1478605 #	1478602 #	1478601 #
	DATE SAMPLED:	11/16/92	11/16/92	11/16/92
	DATE EXTRACTED:	11/20/92	11/20/92	11/20/92
	DATE ANALYZED:	12/02/92	12/02/92	12/02/92
ANALYTE	SOW-3/90 - II CRQL			
alpha-BHC	0.05	0.05 U	0.05 U	0.05 UR
beta-BHC	0.05	0.05 U	0.05 U	0.05 UR
delta-BHC	0.05	0.05 U	0.05 U	0.05 UR
gamma-BHC (Lindane)	0.05	0.05 U	0.05 U	0.05 UR
Heptachlor	0.05	0.05 U	0.05 U	0.05 UR
Aldrin	0.05	0.05 U	0.05 U	0.05 UR
Heptachlor Epoxide	0.05	0.05 U	0.05 U	0.05 UR
Endosulfan I	0.05	0.05 U	0.05 U	0.05 UR
Dieldrin	0.1	0.1 U	0.1 U	0.1 UR
4,4'-DDE	0.1	0.1 U	0.1 U	0.1 UR
Endrin	0.1	0.1 U	0.1 U	0.1 UR
Endosulfan II	0.1	0.1 U	0.1 U	0.1 UR
4,4'-DDD	0.1	0.1 U	0.1 U	0.1 UR
Endrin Aldehyde	0.1	0.1 U	0.1 U	0.1 UR
Endosulfan Sulfate	0.1	0.1 U	0.1 U	0.1 UR
4,4'-DDT	0.1	0.1 U	0.1 U	0.1 UR
Methoxychlor	0.5	0.5 U	0.5 U	0.5 UR
Endrin Ketone	0.1	0.1 U	0.1 U	0.1 UR
alpha-Chlordane	0.05	0.05 U	0.05 U	0.05 UR
gamma-Chlordane	0.05	0.05 U	0.05 U	0.05 UR
Toxaphene	5	5 U	5 U	5 UR
Aroclor-1016	1	1 U	1 U	1 UR
Aroclor-1221	2	2 U	2 U	2 UR
Aroclor-1232	1	1 U	1 U	1 UR
Aroclor-1242	1	1 U	1 U	1 UR
Aroclor-1248	1	1 U	1 U	1 UR
Aroclor-1254	1	1 U	1 U	1 UR
Aroclor-1260	1	1 U	1 U	1 UR
Dilution Factor:		1.00	1.00	1.00
Associated Method Blank:		PBLK50116	PBLK50116	PBLK50116
Associated Equipment Blank:		-	-	-
Associated Field Blank:		-	-	-

Site: MONITORING WELL
#: Level IV Validation J: Estimated B: Blank Contamination R: Unusable P: >25% Difference between Columns
U: Not Detected JJ: Estimated Below CRQL D: Diluted Result -: Not Detected C: Confirmed by GC/MS

Table 3
Summary Table

	SAMPLE LOCATION:	GLMW101X1492XD	GLMW101X1492XX	GLMW102X1492XX
	LAB NUMBER:	1478605 #	1478602 #	1478601 #
	DATE SAMPLED:	11/16/92	11/16/92	11/16/92
	DATE EXTRACTED:	11/20/92	11/20/92	11/20/92
	DATE ANALYZED:	12/02/92	12/02/92	12/02/92
ANALYTE	SOW-3/90 - II CRQL			
alpha-BHC	0.05	-	-	R
beta-BHC	0.05	-	-	R
delta-BHC	0.05	-	-	R
gamma-BHC (Lindane)	0.05	-	-	R
Heptachlor	0.05	-	-	R
Aldrin	0.05	-	-	R
Heptachlor Epoxide	0.05	-	-	R
Endosulfan I	0.05	-	-	R
Dieldrin	0.1	-	-	R
4,4'-DDE	0.1	-	-	R
Endrin	0.1	-	-	R
Endosulfan II	0.1	-	-	R
4,4'-DDD	0.1	-	-	R
Endrin Aldehyde	0.1	-	-	R
Endosulfan Sulfate	0.1	-	-	R
4,4'-DDT	0.1	-	-	R
Methoxychlor	0.5	-	-	R
Endrin Ketone	0.1	-	-	R
alpha-Chlordane	0.05	-	-	R
gamma-Chlordane	0.05	-	-	R
Toxaphene	5	-	-	R
Aroclor-1016	1	-	-	R
Aroclor-1221	2	-	-	R
Aroclor-1232	1	-	-	R
Aroclor-1242	1	-	-	R
Aroclor-1248	1	-	-	R
Aroclor-1254	1	-	-	R
Aroclor-1260	1	-	-	R
Dilution Factor:		1.00	1.00	1.00
Associated Method Blank:		PBLK50116	PBLK50116	PBLK50116
Associated Equipment Blank:		-	-	-
Associated Field Blank:		-	-	-

Site: MONITORING WELL
#: Level IV Validation J: Estimated B: Blank Contamination R: Unusable P: >25% Difference between Columns
U: Not Detected JJ: Estimated Below CRQL D: Diluted Result -: Not Detected C: Confirmed by GC/MS

Table 1
Laboratory Report of Analysis

	SAMPLE LOCATION:	GLQS001XXX92XX	GLQS002XXX92XX	GLQS003XXX92XX	GLQS005XXX92XX
	LAB NUMBER:	1451905	1451906	1451907	1478606
	DATE SAMPLED:	10/27/92	10/27/92	10/27/92	11/16/92
	DATE EXTRACTED:	10/30/92	10/30/92	10/30/92	11/20/92
	DATE ANALYZED:	11/18/92	11/18/92	11/18/92	12/02/92
ANALYTE	SOW-3/90 - II CRQL				
alpha-BHC	0.05	0.05 U	0.05 U	0.05 U	0.05 U
beta-BHC	0.05	0.05 U	0.05 U	0.05 U	0.05 U
delta-BHC	0.05	0.05 U	0.05 U	0.05 U	0.05 U
gamma-BHC (Lindane)	0.05	0.05 U	0.05 U	0.05 U	0.05 U
Heptachlor	0.05	0.05 U	0.05 U	0.05 U	0.05 U
Aldrin	0.05	0.05 U	0.05 U	0.05 U	0.05 U
Heptachlor Epoxide	0.05	0.05 U	0.05 U	0.05 U	0.05 U
Endosulfan I	0.05	0.05 U	0.05 U	0.05 U	0.05 U
Dieldrin	0.1	0.1 U	0.1 U	0.1 U	0.1 U
4,4'-DDE	0.1	0.1 U	0.1 U	0.1 U	0.1 U
Endrin	0.1	0.1 U	0.1 U	0.1 U	0.1 U
Endosulfan II	0.1	0.1 U	0.1 U	0.1 U	0.1 U
4,4'-DDD	0.1	0.1 U	0.1 U	0.1 U	0.1 U
Endrin Aldehyde	0.1	0.1 U	0.1 U	0.1 U	0.1 U
Endosulfan Sulfate	0.1	0.1 U	0.1 U	0.1 U	0.1 U
4,4'-DDT	0.1	0.1 U	0.1 U	0.1 U	0.1 U
Methoxychlor	0.5	0.5 U	0.5 U	0.5 U	0.5 U
Endrin Ketone	0.1	0.1 U	0.1 U	0.1 U	0.1 U
alpha-Chlordane	0.05	0.05 U	0.05 U	0.05 U	0.05 U
gamma-Chlordane	0.05	0.05 U	0.05 U	0.05 U	0.05 U
Toxaphene	5	5 U	5 U	5 U	5 U
Aroclor-1016	1	1 U	1 U	1 U	1 U
Aroclor-1221	2	2 U	2 U	2 U	2 U
Aroclor-1232	1	1 U	1 U	1 U	1 U
Aroclor-1242	1	1 U	1 U	1 U	1 U
Aroclor-1248	1	1 U	1 U	1 U	1 U
Aroclor-1254	1	1 U	1 U	1 U	1 U
Aroclor-1260	1	1 U	1 U	1 U	1 U
Dilution Factor:		1.00	1.00	1.00	1.00
Associated Method Blank:		PBLK3146	PBLK3146	PBLK3146	PBLK50116
Associated Equipment Blank:		-	-	-	-
Associated Field Blank:		-	-	-	-

Site: EQUIPMENT RINSATE
U: Not Detected JJ: Estimated Below CRQL D: Diluted Result -: Not Detected C: Confirmed by GC/MS
J: Estimated B: Blank Contamination R: Unusable P: >25% Difference between Columns

Table 1
Laboratory Report of Analysis

	SAMPLE LOCATION:	GLSW101XXX92XX	GLSW102XXX92XX	GLSW103XXX92XD	GLSW103XXX92XX	GLSW104XXX92XX
	LAB NUMBER:	1450901 #	1450902 #	1451904 #	1451901 #	1454001 #
	DATE SAMPLED:	10/26/92	10/26/92	10/27/92	10/27/92	10/28/92
	DATE EXTRACTED:	10/29/92	10/29/92	10/30/92	10/30/92	11/02/92
	DATE ANALYZED:	11/18/92	11/18/92	11/18/92	11/18/92	11/24/92
ANALYTE	SOW-3/90 - II CRQL					
alpha-BHC	0.05	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
beta-BHC	0.05	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
delta-BHC	0.05	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
gamma-BHC (Lindane)	0.05	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Heptachlor	0.05	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Aldrin	0.05	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Heptachlor Epoxide	0.05	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Endosulfan I	0.05	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Dieldrin	0.1	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
4,4'-DDE	0.1	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Endrin	0.1	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Endosulfan II	0.1	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
4,4'-DDD	0.1	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Endrin Aldehyde	0.1	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Endosulfan Sulfate	0.1	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
4,4'-DDT	0.1	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Methoxychlor	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Endrin Ketone	0.1	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
alpha-Chlordane	0.05	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
gamma-Chlordane	0.05	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Toxaphene	5	5 U	5 U	5 U	5 U	5 U
Aroclor-1016	1	1 U	1 U	1 U	1 U	1 U
Aroclor-1221	2	2 U	2 U	2 U	2 U	2 U
Aroclor-1232	1	1 U	1 U	1 U	1 U	1 U
Aroclor-1242	1	1 U	1 U	1 U	1 U	1 U
Aroclor-1248	1	1 U	1 U	1 U	1 U	1 U
Aroclor-1254	1	1 U	1 U	1 U	1 U	1 U
Aroclor-1260	1	1 U	1 U	1 U	1 U	1 U
Dilution Factor:		1.00	1.00	1.00	1.00	1.00
Associated Method Blank:		PBLK3147	PBLK3147	PBLK3146	PBLK3146	PBLK50109
Associated Equipment Blank:		GLQS001XXX92XX	GLQS001XXX92XX	GLQS001XXX92XX	GLQS001XXX92XX	GLQS001XXX92XX
Associated Field Blank:		-	-	-	-	-

Site: SURFACE WATER
#: Level IV Validation J: Estimated B: Blank Contamination R: Unusable P: >25% Difference between Columns
U: Not Detected JJ: Estimated Below CRQL D: Diluted Result -: Not Detected C: Confirmed by GC/MS

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Table 2
Validation / Summary Table

	SAMPLE LOCATION:	GLSW101XXX92XX	GLSW102XXX92XX	GLSW103XXX92XD	GLSW103XXX92XX	GLSW104XXX92XX
	LAB NUMBER:	1450901 #	1450902 #	1451904 #	1451901 #	1454001 #
	DATE SAMPLED:	10/26/92	10/26/92	10/27/92	10/27/92	10/28/92
	DATE EXTRACTED:	10/29/92	10/29/92	10/30/92	10/30/92	11/02/92
	DATE ANALYZED:	11/18/92	11/18/92	11/18/92	11/18/92	11/24/92
ANALYTE	SOW-3/90 - II CRQL					
alpha-BHC	0.05	0.05 UJ	0.05 U	0.05 U	0.05 U	0.05 UJ
beta-BHC	0.05	0.05 UJ	0.05 U	0.05 U	0.05 U	0.05 UJ
delta-BHC	0.05	0.05 UJ	0.05 U	0.05 U	0.05 U	0.05 UJ
gamma-BHC (Lindane)	0.05	0.05 UJ	0.05 U	0.05 U	0.05 U	0.05 UJ
Heptachlor	0.05	0.05 UJ	0.05 U	0.05 U	0.05 U	0.05 UJ
Aldrin	0.05	0.05 UJ	0.05 U	0.05 U	0.05 U	0.05 UJ
Heptachlor Epoxide	0.05	0.05 UJ	0.05 U	0.05 U	0.05 U	0.05 UJ
Endosulfan I	0.05	0.05 UJ	0.05 U	0.05 U	0.05 U	0.05 UJ
Dieldrin	0.1	0.1 UJ	0.1 U	0.1 U	0.1 U	0.1 UJ
4,4'-DDE	0.1	0.1 UJ	0.1 U	0.1 U	0.1 U	0.1 UJ
Endrin	0.1	0.1 UJ	0.1 U	0.1 U	0.1 U	0.1 UJ
Endosulfan II	0.1	0.1 UJ	0.1 U	0.1 U	0.1 U	0.1 UJ
4,4'-DDD	0.1	0.1 UJ	0.1 U	0.1 U	0.1 U	0.1 UJ
Endrin Aldehyde	0.1	0.1 UJ	0.1 U	0.1 U	0.1 U	0.1 UJ
Endosulfan Sulfate	0.1	0.1 UJ	0.1 U	0.1 U	0.1 U	0.1 UJ
4,4'-DDT	0.1	0.1 UJ	0.1 U	0.1 U	0.1 U	0.1 UJ
Methoxychlor	0.5	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 UJ
Endrin Ketone	0.1	0.1 UJ	0.1 U	0.1 U	0.1 U	0.1 UJ
alpha-Chlordane	0.05	0.05 UJ	0.05 U	0.05 U	0.05 U	0.05 UJ
gamma-Chlordane	0.05	0.05 UJ	0.05 U	0.05 U	0.05 U	0.05 UJ
Toxaphene	5	5 UJ	5 U	5 U	5 U	5 UJ
Aroclor-1016	1	1 UJ	1 U	1 U	1 U	1 UJ
Aroclor-1221	2	2 UJ	2 U	2 U	2 U	2 UJ
Aroclor-1232	1	1 UJ	1 U	1 U	1 U	1 UJ
Aroclor-1242	1	1 UJ	1 U	1 U	1 U	1 UJ
Aroclor-1248	1	1 UJ	1 U	1 U	1 U	1 UJ
Aroclor-1254	1	1 UJ	1 U	1 U	1 U	1 UJ
Aroclor-1260	1	1 UJ	1 U	1 U	1 U	1 UJ
Dilution Factor:		1.00	1.00	1.00	1.00	1.00
Associated Method Blank:		PBLK3147	PBLK3147	PBLK3146	PBLK3146	PBLK50109
Associated Equipment Blank:		GLQS001XXX92XX	GLQS001XXX92XX	GLQS001XXX92XX	GLQS001XXX92XX	GLQS001XXX92XX
Associated Field Blank:		-	-	-	-	-

Site: SURFACE WATER
#: Level IV Validation J: Estimated B: Blank Contamination R: Unusable P: >25% Difference between Columns
U: Not Detected JJ: Estimated Below CRQL D: Diluted Result -: Not Detected C: Confirmed by GC/MS

Table 3
Summary Table

	SAMPLE LOCATION:	GLSW101XXX92XX	GLSW102XXX92XX	GLSW103XXX92XD	GLSW103XXX92XX	GLSW104XXX92XX
	LAB NUMBER:	1450901 #	1450902 #	1451904 #	1451901 #	1454001 #
	DATE SAMPLED:	10/26/92	10/26/92	10/27/92	10/27/92	10/28/92
	DATE EXTRACTED:	10/29/92	10/29/92	10/30/92	10/30/92	11/02/92
	DATE ANALYZED:	11/18/92	11/18/92	11/18/92	11/18/92	11/24/92
ANALYTE	SOW-3/90 - II CRQL					
alpha-BHC	0.05	-	-	-	-	-
beta-BHC	0.05	-	-	-	-	-
delta-BHC	0.05	-	-	-	-	-
gamma-BHC (Lindane)	0.05	-	-	-	-	-
Heptachlor	0.05	-	-	-	-	-
Aldrin	0.05	-	-	-	-	-
Heptachlor Epoxide	0.05	-	-	-	-	-
Endosulfan I	0.05	-	-	-	-	-
Dieldrin	0.1	-	-	-	-	-
4,4'-DDE	0.1	-	-	-	-	-
Endrin	0.1	-	-	-	-	-
Endosulfan II	0.1	-	-	-	-	-
4,4'-DDD	0.1	-	-	-	-	-
Endrin Aldehyde	0.1	-	-	-	-	-
Endosulfan Sulfate	0.1	-	-	-	-	-
4,4'-DDT	0.1	-	-	-	-	-
Methoxychlor	0.5	-	-	-	-	-
Endrin Ketone	0.1	-	-	-	-	-
alpha-Chlordane	0.05	-	-	-	-	-
gamma-Chlordane	0.05	-	-	-	-	-
Toxaphene	5	-	-	-	-	-
Aroclor-1016	1	-	-	-	-	-
Aroclor-1221	2	-	-	-	-	-
Aroclor-1232	1	-	-	-	-	-
Aroclor-1242	1	-	-	-	-	-
Aroclor-1248	1	-	-	-	-	-
Aroclor-1254	1	-	-	-	-	-
Aroclor-1260	1	-	-	-	-	-
Dilution Factor:		1.00	1.00	1.00	1.00	1.00
Associated Method Blank:		PBLK3147	PBLK3147	PBLK3146	PBLK3146	PBLK50109
Associated Equipment Blank:		GLQS001XXX92XX	GLQS001XXX92XX	GLQS001XXX92XX	GLQS001XXX92XX	GLQS001XXX92XX
Associated Field Blank:		-	-	-	-	-

Site: SURFACE WATER
#: Level IV Validation J: Estimated B: Blank Contamination R: Unusable P: >25% Difference between Columns
U: Not Detected JJ: Estimated Below CRQL D: Diluted Result -: Not Detected C: Confirmed by GC/MS

Table 1
Laboratory Report of Analysis

	SAMPLE LOCATION:	GLSD101XXX92XX	GLSD103XXX92XD	GLSD103XXX92XX	GLSD104XXX92XX	GLSD104XXX92XX
	LAB NUMBER:	1450903 #	1451908 #	1451909 #	1454002 #	1454002 R #
	DATE SAMPLED:	10/26/92	10/27/92	10/27/92	10/28/92	10/28/92
	DATE EXTRACTED:	10/30/92	10/30/92	10/30/92	11/02/92	11/02/92
	DATE ANALYZED:	11/18/92	11/21/92	11/21/92	11/25/92	11/29/92
ANALYTE	SOW-3/90 - II CRQL					
alpha-BHC	1.7	7.4 U	45 U	17 U	7.2 U	7.2 U
beta-BHC	1.7	7.4 U	45 U	17 U	7.2 U	7.2 U
delta-BHC	1.7	7.4 U	45 U	17 U	7.2 U	7.2 U
gamma-BHC (Lindane)	1.7	7.4 U	45 U	17 U	7.2 U	7.2 U
Heptachlor	1.7	7.4 U	45 U	17 U	7.2 U	7.2 U
Aldrin	1.7	7.4 U	45 U	17 U	7.2 U	7.2 U
Heptachlor Epoxide	1.7	7.4 U	45 U	17 U	7.2 U	7.2 U
Endosulfan I	1.7	7.4 U	45 U	17 U	7.2 U	7.2 U
Dieldrin	3.3	14 U	88 U	34 U	14 U	14 U
4,4'-DDE	3.3	14 U	88 U	34 U	14 U	14 U
Endrin	3.3	14 U	88 U	34 U	14 U	14 U
Endosulfan II	3.3	14 U	88 U	34 U	14 U	14 U
4,4'-DDD	3.3	14 U	88 U	34 U	14 U	14 U
Endrin Aldehyde	3.3	14 U	88 U	34 U	14 U	14 U
Endosulfan Sulfate	3.3	14 U	88 U	34 U	14 U	14 U
4,4'-DDT	3.3	14 U	88 U	34 U	14 U	14 U
Methoxychlor	17	74 U	450 U	170 U	72 U	72 U
Endrin Ketone	3.3	14 U	410	270	14 U	14 U
alpha-Chlordane	1.7	7.4 U	45 U	17 U	7.2 U	7.2 U
gamma-Chlordane	1.7	7.4 U	45 U	17 U	7.2 U	7.2 U
Toxaphene	170	740 U	4500 U	1700 U	720 U	720 U
Aroclor-1016	33	140 U	880 U	340 U	140 U	140 U
Aroclor-1221	67	290 U	1800 U	690 U	290 U	290 U
Aroclor-1232	33	140 U	880 U	340 U	140 U	140 U
Aroclor-1242	33	140 U	880 U	340 U	140 U	140 U
Aroclor-1248	33	140 U	880 U	320 JP	140 U	140 U
Aroclor-1254	33	140 U	880 U	340 U	140 U	140 U
Aroclor-1260	33	140 U	880 U	340 U	140 U	140 U
Dilution Factor:		4.00	20.0	8.00	2.00	2.00
Percent Solids:		92	75	78	47	47
Associated Method Blank:		PBLK3148	PBLK3150	PBLK3150	PBLK50111	PBLK50111
Associated Equipment Blank:		GLQS002XXX92XX	GLQS002XXX92XX	GLQS002XXX92XX	GLQS002XXX92XX	GLQS002XXX92XX
Associated Field Blank:		-	-	-	-	-

Site: SEDIMENT
#: Level IV Validation J: Estimated B: Blank Contamination R: Unusable P: >25% Difference between Columns
U: Not Detected JJ: Estimated Below CRQL D: Diluted Result -: Not Detected C: Confirmed by GC/MS

Table 2
Validation / Summary Table

	SAMPLE LOCATION:	GLSD101XXX92XX	GLSD103XXX92XD	GLSD103XXX92XX	GLSD104XXX92XX
	LAB NUMBER:	1450903 #	1451908 #	1451909 #	1454002 R #
	DATE SAMPLED:	10/26/92	10/27/92	10/27/92	10/28/92
	DATE EXTRACTED:	10/30/92	10/30/92	10/30/92	11/02/92
	DATE ANALYZED:	11/18/92	11/21/92	11/21/92	11/29/92
ANALYTE	SOW-3/90 - 11 CRQL				
alpha-BHC	1.7	7.4 U	45 U	17 U	7.2 UJ
beta-BHC	1.7	7.4 U	45 U	17 U	7.2 UJ
delta-BHC	1.7	7.4 U	45 U	17 U	7.2 UJ
gamma-BHC (Lindane)	1.7	7.4 U	45 U	17 U	7.2 UJ
Heptachlor	1.7	7.4 U	45 U	17 U	7.2 UJ
Aldrin	1.7	7.4 U	45 U	17 U	7.2 UJ
Heptachlor Epoxide	1.7	7.4 U	45 U	17 U	7.2 UJ
Endosulfan I	1.7	7.4 U	45 U	17 U	7.2 UJ
Dieldrin	3.3	14 U	88 U	34 U	14 UJ
4,4'-DDE	3.3	14 U	88 U	34 U	14 UJ
Endrin	3.3	14 U	88 U	34 U	14 UJ
Endosulfan II	3.3	14 U	88 U	34 U	14 UJ
4,4'-DDD	3.3	14 U	88 U	34 U	14 UJ
Endrin Aldehyde	3.3	14 U	88 U	34 U	14 UJ
Endosulfan Sulfate	3.3	14 U	88 U	34 U	14 UJ
4,4'-DDT	3.3	14 U	88 U	34 U	14 UJ
Methoxychlor	17	74 U	450 U	170 U	72 UJ
Endrin Ketone	3.3	14 U	410 J	270	14 UJ
alpha-Chlordane	1.7	7.4 U	45 U	17 U	7.2 UJ
gamma-Chlordane	1.7	7.4 U	45 U	17 U	7.2 UJ
Toxaphene	170	740 U	4500 U	1700 U	720 UJ
Aroclor-1016	33	140 U	880 U	340 U	140 UJ
Aroclor-1221	67	290 U	1800 U	690 U	290 UJ
Aroclor-1232	33	140 U	880 U	340 U	140 UJ
Aroclor-1242	33	140 U	880 U	340 U	140 UJ
Aroclor-1248	33	140 U	880 U	320 JJ	140 UJ
Aroclor-1254	33	140 U	880 U	340 U	140 UJ
Aroclor-1260	33	140 U	880 U	340 U	140 UJ
Dilution Factor:		4.00	20.0	8.00	2.00
Percent Solids:		92	75	78	47
Associated Method Blank:		PBLK3148	PBLK3150	PBLK3150	PBLK50111
Associated Equipment Blank:		GLQS002XXX92XX	GLQS002XXX92XX	GLQS002XXX92XX	GLQS002XXX92XX
Associated Field Blank:		-	-	-	-

Site: SEDIMENT
#: Level IV Validation J: Estimated B: Blank Contamination R: Unusable P: >25% Difference between Columns
U: Not Detected JJ: Estimated Below CRQL D: Diluted Result -: Not Detected C: Confirmed by GC/MS

Table 3
Summary Table

	SAMPLE LOCATION:	GLSD101XXX92XX	GLSD103XXX92XD	GLSD103XXX92XX	GLSD104XXX92XX
	LAB NUMBER:	1450903 #	1451908 #	1451909 #	1454002 R #
	DATE SAMPLED:	10/26/92	10/27/92	10/27/92	10/28/92
	DATE EXTRACTED:	10/30/92	10/30/92	10/30/92	11/02/92
	DATE ANALYZED:	11/18/92	11/21/92	11/21/92	11/29/92
ANALYTE	SOW-3/90 - II CRQL				
alpha-BHC	1.7	-	-	-	-
beta-BHC	1.7	-	-	-	-
delta-BHC	1.7	-	-	-	-
gamma-BHC (Lindane)	1.7	-	-	-	-
Heptachlor	1.7	-	-	-	-
Aldrin	1.7	-	-	-	-
Heptachlor Epoxide	1.7	-	-	-	-
Endosulfan I	1.7	-	-	-	-
Dieldrin	3.3	-	-	-	-
4,4'-DDE	3.3	-	-	-	-
Endrin	3.3	-	-	-	-
Endosulfan II	3.3	-	-	-	-
4,4'-DDD	3.3	-	-	-	-
Endrin Aldehyde	3.3	-	-	-	-
Endosulfan Sulfate	3.3	-	-	-	-
4,4'-DDT	3.3	-	-	-	-
Methoxychlor	17	-	-	-	-
Endrin Ketone	3.3	-	410 J	270	-
alpha-Chlordane	1.7	-	-	-	-
gamma-Chlordane	1.7	-	-	-	-
Toxaphene	170	-	-	-	-
Aroclor-1016	33	-	-	-	-
Aroclor-1221	67	-	-	-	-
Aroclor-1232	33	-	-	-	-
Aroclor-1242	33	-	-	-	-
Aroclor-1248	33	-	-	320 JJ	-
Aroclor-1254	33	-	-	-	-
Aroclor-1260	33	-	-	-	-
Dilution Factor:		4.00	20.0	8.00	2.00
Percent Solids:		92	75	78	47
Associated Method Blank:		PBLK3148	PBLK3150	PBLK3150	PBLK50111
Associated Equipment Blank:		GLQS002XXX92XX	GLQS002XXX92XX	GLQS002XXX92XX	GLQS002XXX92XX
Associated Field Blank:		-	-	-	-

Site: SEDIMENT
#: Level IV Validation J: Estimated B: Blank Contamination R: Unusable P: >25% Difference between Columns
U: Not Detected JJ: Estimated Below CRQL D: Diluted Result -: Not Detected C: Confirmed by GC/MS

Table 1
Laboratory Report of Analysis

	SAMPLE LOCATION:	GLTB103X0292XX	GLTB104X0492XX	GLTB105X0292XX	GLTB106X0692XX	GLTB107X0292XX	GLTB108X0492XX
	LAB NUMBER:	1451912 #	1451914 #	1451915 #	1451916 #	1451917 #	1451913 #
	DATE SAMPLED:	10/27/92	10/27/92	10/27/92	10/27/92	10/27/92	10/27/92
	DATE EXTRACTED:	10/30/92	10/30/92	10/30/92	10/30/92	10/30/92	10/30/92
	DATE ANALYZED:	11/22/92	11/22/92	11/20/92	11/20/92	11/20/92	11/22/92
ANALYTE	SOW-3/90 - II CRQL						
alpha-BHC	1.7	17 U	12 P	10 U	9.1 U	11 U	5.8 U
beta-BHC	1.7	17 U	9.2 U	10 U	9.1 U	11 U	5.8 U
delta-BHC	1.7	17 U	9.2 U	10 U	9.1 U	11 U	5.8 U
gamma-BHC (Lindane)	1.7	17 U	9.2 U	10 U	9.1 U	11 U	5.8 U
Heptachlor	1.7	17 U	4.9 JP	10 U	9.1 U	3.1 JP	5.8 U
Aldrin	1.7	17 U	5.3 JP	10 U	9.1 U	11 U	5.8 U
Heptachlor Epoxide	1.7	17 U	9.2 U	10 U	9.1 U	11 U	5.8 U
Endosulfan I	1.7	17 U	9.2 U	10 U	9.1 U	11 U	5.8 U
Dieldrin	3.3	32 U	18 U	20 U	18 U	22 U	11 U
4,4'-DDE	3.3	32 U	18 U	20 U	18 U	22 U	11 U
Endrin	3.3	32 U	18 U	20 U	18 U	21 J	11 U
Endosulfan II	3.3	32 U	18 U	20 U	4.2 JP	22 U	11 U
4,4'-DDD	3.3	32 U	18 U	7.6 JP	18 U	22 U	11 U
Endrin Aldehyde	3.3	32 U	18 U	20 U	18 U	22 U	11 U
Endosulfan Sulfate	3.3	32 U	18 U	20 U	18 U	22 U	11 U
4,4'-DDT	3.3	32 U	18 U	20 U	18 U	22 U	11 U
Methoxychlor	17	170 U	92 U	11 JP	91 U	110 U	58 U
Endrin Ketone	3.3	32 U	67 P	46 P	63 P	29 P	11 U
alpha-Chlordane	1.7	17 U	9.2 U	10 U	9.1 U	11 U	5.8 U
gamma-Chlordane	1.7	17 U	9.2 U	10 U	9.1 U	11 U	5.8 U
Toxaphene	170	1700 U	920 U	1000 U	910 U	1100 U	580 U
Aroclor-1016	33	320 U	180 U	200 U	180 U	220 U	110 U
Aroclor-1221	67	650 U	360 U	400 U	360 U	440 U	230 U
Aroclor-1232	33	320 U	180 U	200 U	180 U	220 U	110 U
Aroclor-1242	33	320 U	180 U	200 U	180 U	220 U	110 U
Aroclor-1248	33	320 U	180 U	1700	180 U	220 U	110 U
Aroclor-1254	33	320 U	180 U	200 U	180 U	220 U	340
Aroclor-1260	33	320 U	180 U	200 U	180 U	220 U	110 U
Dilution Factor:		8.00	5.00	5.00	5.00	5.00	3.00
Percent Solids:		82	92	84	93	76	88
Associated Method Blank:		PBLK3150	PBLK3150	PBLK3150	PBLK3150	PBLK3150	PBLK3150
Associated Equipment Blank:		GLQS002XXX92XX	GLQS003XXX92XX	GLQS003XXX92XX	GLQS003XXX92XX	GLQS003XXX92XX	GLQS002XXX92XX
Associated Field Blank:		-	-	-	-	-	-

Site: TEST BORING
#: Level IV Validation J: Estimated B: Blank Contamination R: Unusable P: >25% Difference between Columns
U: Not Detected JJ: Estimated Below CRQL D: Diluted Result -: Not Detected C: Confirmed by GC/MS

Table 2
Validation / Summary Table

	SAMPLE LOCATION:	GLTB103X0292XX	GLTB104X0492XX	GLTB105X0292XX	GLTB106X0692XX	GLTB107X0292XX	GLTB108X0492XX
	LAB NUMBER:	1451912 #	1451914 #	1451915 #	1451916 #	1451917 #	1451913 #
	DATE SAMPLED:	10/27/92	10/27/92	10/27/92	10/27/92	10/27/92	10/27/92
	DATE EXTRACTED:	10/30/92	10/30/92	10/30/92	10/30/92	10/30/92	10/30/92
	DATE ANALYZED:	11/22/92	11/22/92	11/20/92	11/20/92	11/20/92	11/22/92
ANALYTE	SOW-3/90 - II CRQL						
alpha-BHC	1.7	17 UJ	12 J	10 U	9.1 U	11 U	5.8 U
beta-BHC	1.7	17 UJ	9.2 U	10 U	9.1 U	11 U	5.8 U
delta-BHC	1.7	17 UJ	9.2 U	10 U	9.1 U	11 U	5.8 U
gamma-BHC (Lindane)	1.7	17 UJ	9.2 U	10 U	9.1 U	11 U	5.8 U
Heptachlor	1.7	17 UJ	4.9 JJ	10 U	9.1 U	3.1 JJ	5.8 U
Aldrin	1.7	17 UJ	5.3 JJ	10 U	9.1 U	11 U	5.8 U
Heptachlor Epoxide	1.7	17 UJ	9.2 U	10 U	9.1 U	11 U	5.8 U
Endosulfan I	1.7	17 UJ	9.2 U	10 U	9.1 U	11 U	5.8 U
Dieldrin	3.3	32 UJ	18 U	20 U	18 U	22 U	11 U
4,4'-DDE	3.3	32 UJ	18 U	20 U	18 U	22 U	11 U
Endrin	3.3	32 UJ	18 U	20 U	18 U	21 J	11 U
Endosulfan II	3.3	32 UJ	18 U	20 U	4.2 JJ	22 U	11 U
4,4'-DDD	3.3	32 UJ	18 U	7.6 JJ	18 U	22 U	11 U
Endrin Aldehyde	3.3	32 UJ	18 U	20 U	18 U	22 U	11 U
Endosulfan Sulfate	3.3	32 UJ	18 U	20 U	18 U	22 U	11 U
4,4'-DDT	3.3	32 UJ	18 U	20 U	18 U	22 U	11 U
Methoxychlor	17	170 UJ	92 U	11 JJ	91 U	110 U	58 U
Endrin Ketone	3.3	32 UJ	67 J	46 J	63 J	29 J	11 U
alpha-Chlordane	1.7	17 UJ	9.2 U	10 U	9.1 U	11 U	5.8 U
gamma-Chlordane	1.7	17 UJ	9.2 U	10 U	9.1 U	11 U	5.8 U
Toxaphene	170	1700 UJ	920 U	1000 U	910 U	1100 U	580 U
Aroclor-1016	33	320 UJ	180 U	200 U	180 U	220 U	110 U
Aroclor-1221	67	650 UJ	360 U	400 U	360 U	440 U	230 U
Aroclor-1232	33	320 UJ	180 U	200 U	180 U	220 U	110 U
Aroclor-1242	33	320 UJ	180 U	200 U	180 U	220 U	110 U
Aroclor-1248	33	320 UJ	180 U	1700	180 U	220 U	110 U
Aroclor-1254	33	320 UJ	180 U	200 U	180 U	220 U	340
Aroclor-1260	33	320 UJ	180 U	200 U	180 U	220 U	110 U
Dilution Factor:		8.00	5.00	5.00	5.00	5.00	3.00
Percent Solids:		82	92	84	93	76	88
Associated Method Blank:		PBLK3150	PBLK3150	PBLK3150	PBLK3150	PBLK3150	PBLK3150
Associated Equipment Blank:		GLQS002XXX92XX	GLQS003XXX92XX	GLQS003XXX92XX	GLQS003XXX92XX	GLQS003XXX92XX	GLQS002XXX92XX
Associated Field Blank:		-	-	-	-	-	-

Site: TEST BORING
#: Level IV Validation J: Estimated B: Blank Contamination R: Unusable P: >25% Difference between Columns
U: Not Detected JJ: Estimated Below CRQL D: Diluted Result -: Not Detected C: Confirmed by GC/MS

Table 3
Summary Table

ANALYTE	SOW-3/90 - II CRQL	GLTB103X0292XX	GLTB104X0492XX	GLTB105X0292XX	GLTB106X0692XX	GLTB107X0292XX	GLTB108X0492XX
SAMPLE LOCATION:		GLTB103X0292XX	GLTB104X0492XX	GLTB105X0292XX	GLTB106X0692XX	GLTB107X0292XX	GLTB108X0492XX
LAB NUMBER:		1451912 #	1451914 #	1451915 #	1451916 #	1451917 #	1451913 #
DATE SAMPLED:		10/27/92	10/27/92	10/27/92	10/27/92	10/27/92	10/27/92
DATE EXTRACTED:		10/30/92	10/30/92	10/30/92	10/30/92	10/30/92	10/30/92
DATE ANALYZED:		11/22/92	11/22/92	11/20/92	11/20/92	11/20/92	11/22/92
alpha-BHC	1.7	-	12 J	-	-	-	-
beta-BHC	1.7	-	-	-	-	-	-
delta-BHC	1.7	-	-	-	-	-	-
gamma-BHC (Lindane)	1.7	-	-	-	-	-	-
Heptachlor	1.7	-	4.9 JJ	-	-	3.1 JJ	-
Aldrin	1.7	-	5.3 JJ	-	-	-	-
Heptachlor Epoxide	1.7	-	-	-	-	-	-
Endosulfan I	1.7	-	-	-	-	-	-
Dieldrin	3.3	-	-	-	-	-	-
4,4'-DDE	3.3	-	-	-	-	-	-
Endrin	3.3	-	-	-	-	21 J	-
Endosulfan II	3.3	-	-	-	4.2 JJ	-	-
4,4'-DDD	3.3	-	-	7.6 JJ	-	-	-
Endrin Aldehyde	3.3	-	-	-	-	-	-
Endosulfan Sulfate	3.3	-	-	-	-	-	-
4,4'-DDT	3.3	-	-	-	-	-	-
Methoxychlor	17	-	-	11 JJ	-	-	-
Endrin Ketone	3.3	-	67 J	46 J	63 J	29 J	-
alpha-Chlordane	1.7	-	-	-	-	-	-
gamma-Chlordane	1.7	-	-	-	-	-	-
Toxaphene	170	-	-	-	-	-	-
Aroclor-1016	33	-	-	-	-	-	-
Aroclor-1221	67	-	-	-	-	-	-
Aroclor-1232	33	-	-	-	-	-	-
Aroclor-1242	33	-	-	-	-	-	-
Aroclor-1248	33	-	-	1700	-	-	-
Aroclor-1254	33	-	-	-	-	-	340
Aroclor-1260	33	-	-	-	-	-	-
Dilution Factor:		8.00	5.00	5.00	5.00	5.00	3.00
Percent Solids:		82	92	84	93	76	88
Associated Method Blank:		PBLK3150	PBLK3150	PBLK3150	PBLK3150	PBLK3150	PBLK3150
Associated Equipment Blank:		GLQS002XXX92XX	GLQS003XXX92XX	GLQS003XXX92XX	GLQS003XXX92XX	GLQS003XXX92XX	GLQS002XXX92XX
Associated Field Blank:		-	-	-	-	-	-

Site: TEST BORING
#: Level IV Validation J: Estimated B: Blank Contamination R: Unusable P: >25% Difference between Columns
U: Not Detected JJ: Estimated Below CRQL D: Diluted Result -: Not Detected C: Confirmed by GC/MS

Table 1
Laboratory Report of Analysis

	SAMPLE LOCATION:	GLMW101X1492XD		GLMW101X1492XX		GLMW102X1492XX	
	LAB NUMBER:	478605 #		478602 #		478601 #	
	DATE SAMPLED:	11/16/92		11/16/92		11/16/92	
ANALYTE	SOW-3/90 - II CRQL						
Aluminum	200	75.5	[]	107	[]	45.0	U
Antimony	60	45.4	[]*	60.2	*	49.7	[]*
Arsenic	10	5.3	[]	5.0	U	5.0	U
Barium	200	36.5	[]	34.2	[]	54.2	[]
Beryllium	5	0.70	U	0.70	U	0.70	U
Cadmium	5	2.9	U	2.9	U	2.9	U
Calcium	5000	197000		190000		215000	
Chromium	10	4.7	U	4.7	U	4.7	U
Cobalt	50	5.0	U	5.0	U	5.0	U
Copper	25	4.2	U	4.2	U	4.2	U
Iron	100	2370		2310		29.3	U
Lead	3	3.0	U	3.0	U	3.0	UW
Magnesium	5000	60400		57900		50800	
Manganese	15	6800		6540		11.0	[]
Mercury	0.2	0.20	U	0.20	U	0.20	U
Nickel	40	18.6	U	18.6	U	18.6	U
Potassium	5000	767	U	767	U	1050	[]
Selenium	5	5.0	UW	5.0	UW	5.0	UW
Silver	10	3.7	U	3.7	U	3.7	U
Sodium	5000	33600		32500		12600	
Thallium	10	5.0	UWN	5.0	UN	5.0	UN
Vanadium	50	5.4	U	5.4	U	5.5	[]
Zinc	20	5.0	U	5.0	U	5.0	U
Cyanide	10	10.0	U	10.0	U	10.0	U
Associated Method Blank:		PB838		PB838		PB838	
Associated Equipment Blank:		GLQS005XXX92XX		GLQS005XXX92XX		GLQS005XXX92XX	
Associated Field Blank:		-		-		-	

Site: MONITORING WELL #: Level IV Validation *: Duplicate Analysis not Met +: Coefficient <0.995
U: Not Detected E: Interference M: Duplicate Injection Precision not Met S: Method of Standard Additions []: Less than CRQL
J: Estimated R: Unusable N: Spike Recovery not Met W: Post Digestion Spike not Met -: Not Detected

Table 2
Validation / Summary Table

	SAMPLE LOCATION:	GLMW101X1492XD		GLMW101X1492XX		GLMW102X1492XX	
	LAB NUMBER:	478605 #		478602 #		478601 #	
	DATE SAMPLED:	11/16/92		11/16/92		11/16/92	
ANALYTE	SOW-3/90 - II CRQL						
Aluminum	200	75.5	[]	107	[]	45.0	U
Antimony	60	45.4	[]J	60.2	J	49.7	[]J
Arsenic	10	5.3	[]	5.0	U	5.0	U
Barium	200	36.5	[]	34.2	[]	54.2	[]
Beryllium	5	0.70	U	0.70	U	0.70	U
Cadmium	5	2.9	U	2.9	U	2.9	U
Calcium	5000	197000		190000		215000	
Chromium	10	4.7	U	4.7	U	4.7	U
Cobalt	50	5.0	U	5.0	U	5.0	U
Copper	25	4.2	U	4.2	U	4.2	U
Iron	100	2370		2310		29.3	U
Lead	3	3.0	U	3.0	U	3.0	U
Magnesium	5000	60400		57900		50800	
Manganese	15	6800		6540		11.0	[]
Mercury	0.2	0.20	U	0.20	U	0.20	U
Nickel	40	18.6	U	18.6	U	18.6	U
Potassium	5000	767	U	767	U	1050	[]
Selenium	5	5.0	UJ	5.0	UJ	5.0	U
Silver	10	3.7	UJ	3.7	UJ	3.7	UJ
Sodium	5000	33600		32500		12600	
Thallium	10	5.0	UJ	5.0	UJ	5.0	UJ
Vanadium	50	5.4	U	5.4	U	5.5	[]
Zinc	20	5.0	U	5.0	U	5.0	U
Cyanide	10	10.0	U	10.0	U	10.0	U
Associated Method Blank:		PB838		PB838		PB838	
Associated Equipment Blank:		GLQS005XXX92XX		GLQS005XXX92XX		GLQS005XXX92XX	
Associated Field Blank:		-		-		-	

Site: MONITORING WELL #: Level IV Validation *: Duplicate Analysis not Met +: Coefficient <0.995
U: Not Detected E: Interference M: Duplicate Injection Precision not Met S: Method of Standard Additions []: Less than CRQL
J: Estimated R: Unusable N: Spike Recovery not Met W: Post Digestion Spike not Met -: Not Detected

Table 3
Summary Table

	SAMPLE LOCATION:	GLMW101X1492XD		GLMW101X1492XX		GLMW102X1492XX	
	LAB NUMBER:	478605 #		478602 #		478601 #	
	DATE SAMPLED:	11/16/92		11/16/92		11/16/92	
ANALYTE	SOW-3/90 - II CRQL						
Aluminum	200	75.5	[]	107	[]	-	
Antimony	60	45.4	[]J	60.2	J	49.7	[]J
Arsenic	10	5.3	[]	-		-	
Barium	200	36.5	[]	34.2	[]	54.2	[]
Beryllium	5	-		-		-	
Cadmium	5	-		-		-	
Calcium	5000	197000		190000		215000	
Chromium	10	-		-		-	
Cobalt	50	-		-		-	
Copper	25	-		-		-	
Iron	100	2370		2310		-	
Lead	3	-		-		-	
Magnesium	5000	60400		57900		50800	
Manganese	15	6800		6540		11.0	[]
Mercury	0.2	-		-		-	
Nickel	40	-		-		-	
Potassium	5000	-		-		1050	[]
Selenium	5	-		-		-	
Silver	10	-		-		-	
Sodium	5000	33600		32500		12600	
Thallium	10	-		-		-	
Vanadium	50	-		-		5.5	[]
Zinc	20	-		-		-	
Cyanide	10	-		-		-	
Associated Method Blank:		PB838		PB838		PB838	
Associated Equipment Blank:		GLQS005XXX92XX		GLQS005XXX92XX		GLQS005XXX92XX	
Associated Field Blank:		-		-		-	

Site: MONITORING WELL #: Level IV Validation *: Duplicate Analysis not Met +: Coefficient <0.995
U: Not Detected E: Interference M: Duplicate Injection Precision not Met S: Method of Standard Additions []: Less than CRQL
J: Estimated R: Unusable N: Spike Recovery not Met W: Post Digestion Spike not Met -: Not Detected

Table 1
Laboratory Report of Analysis

	SAMPLE LOCATION:	GLQS001XXX92XX	GLQS002XXX92XX	GLQS003XXX92XX	GLQS005XXX92XX
	LAB NUMBER:	451905	451906	451907	478606
	DATE SAMPLED:	10/27/92	10/27/92	10/27/92	11/16/92
ANALYTE	SOW-3/90 - II CRQL				
Aluminum	200	45.0 U	45.0 U	54.1 []	45.0 U
Antimony	60	39.0 U	39.0 U	39.0 U	38.6 U*
Arsenic	10	5.0 U	5.0 UW	5.0 U	5.0 U
Barium	200	10.0 U	10.0 U	10.0 U	9.9 U
Beryllium	5	1.0 U	1.0 U	1.0 U	0.70 U
Cadmium	5	3.0 U	3.0 U	3.0 U	2.9 U
Calcium	5000	558 U*	558 U*	611 []*	558 U
Chromium	10	5.0 U	5.0 U	5.0 U	4.7 U
Cobalt	50	5.0 U	5.0 U	5.0 U	5.0 U
Copper	25	4.0 U	4.0 U	4.0 U	4.2 U
Iron	100	36.0 []*	42.4 []*	61.4 []*	29.3 U
Lead	3	3.0 UN*	3.0 UN*	3.0 UN*	3.0 UW
Magnesium	5000	1200 U*	1200 U*	1200 U*	1200 U
Manganese	15	5.0 U*	5.0 U*	5.0 U*	4.7 U
Mercury	0.2	0.20 U*	0.20 U*	0.20 U*	0.20 U
Nickel	40	19.0 U	19.0 U	19.0 U	18.6 U
Potassium	5000	767 U	767 U	767 U	767 U
Selenium	5	5.0 UWN	5.0 UWN	5.0 UWN	5.0 U
Silver	10	4.0 UN	4.0 UN	4.0 UN	3.7 U
Sodium	5000	332 []*	321 U*	394 []*	321 U
Thallium	10	5.0 UWN	5.0 UWN	5.0 UWN	5.0 UN
Vanadium	50	5.0 U	5.0 U	5.0 U	5.4 U
Zinc	20	5.0 U	7.2 []	5.0 U	5.0 U
Cyanide	10	10.0 U	10.0 U	10.0 U	10.0 U
Associated Method Blank:		PB788W	PB788W	PB788W	PB838
Associated Equipment Blank:		-	-	-	-
Associated Field Blank:		-	-	-	-

Site: EQUIPMENT RINSATE *: Duplicate Analysis not Met +: Coefficient <0.995
U: Not Detected E: Interference M: Duplicate Injection Precision not Met S: Method of Standard Additions []: Less than CRQL
J: Estimated R: Unusable N: Spike Recovery not Met W: Post Digestion Spike not Met -: Not Detected

Table 1
Laboratory Report of Analysis

	SAMPLE LOCATION:	GLSW101XXX92XX		GLSW102XXX92XX		GLSW103XXX92XD		GLSW103XXX92XX		GLSW104XXX92XX	
	LAB NUMBER:	450901 #		450902 #		451904		451901		454001	
	DATE SAMPLED:	10/26/92		10/26/92		10/27/92		10/27/92		10/28/92	
ANALYTE	SOW-3/90 - II CRQL										
Aluminum	200	2210		172	[]	280		350		289	
Antimony	60	64.3	*	39.0	U*	39.0	U	39.0	U	60.4	
Arsenic	10	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Barium	200	440		17.6	[]	56.3	[]	66.5	[]	293	
Beryllium	5	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Cadmium	5	3.0	U	3.0	U	3.0	U	3.0	U	3.0	U
Calcium	5000	198000		32000		55400	*	64100	*	188000	
Chromium	10	16.6		5.0	U	5.0	U	5.0	U	10.2	
Cobalt	50	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Copper	25	5.2	[]	14.7	[]	26.6		48.7		4.0	U
Iron	100	4280		87.8	[]	336	*	597	*	756	N*
Lead	3	9.6	S	3.0	UW	3.7	N*	6.2	N*	3.3	
Magnesium	5000	35100		8160		13300	*	15500	*	43600	
Manganese	15	271		5.0	U	102	*	86.0	*	385	
Mercury	0.2	0.20	UN	0.20	UN	0.20	U*	0.20	U*	0.20	U
Nickel	40	19.0	U	19.0	U	19.0	U	19.0	U	19.0	U
Potassium	5000	7850		767	U	2140	[]	2670	[]	9550	
Selenium	5	5.0	UWN	5.0	UN	5.0	UWN	5.0	UN	5.0	U
Silver	10	4.0	U	4.0	U	4.0	UN	4.0	UN	4.0	U
Sodium	5000	68300		8760		19300	*	23200	*	72000	
Thallium	10	50.0	UW	5.0	U	50.0	UWN	50.0	UWN	50.0	UWN
Vanadium	50	5.2	[]	5.0	U	5.0	U	5.0	U	6.4	[]
Zinc	20	43.9		5.0	U	16.2	[]	36.7		14.7	[]
Cyanide	10	10.0	U	10.0	U	10.0	U	10.0	U	10.0	U
Associated Method Blank:		PB786W		PB786W		PB788W		PB788W		PB795W	
Associated Equipment Blank:		GLQS001XXX92XX		GLQS001XXX92XX		GLQS001XXX92XX		GLQS001XXX92XX		GLQS001XXX92XX	
Associated Field Blank:		-		-		-		-		-	

Site: SURFACE WATER #: Level IV Validation *: Duplicate Analysis not Met +: Coefficient <0.995
U: Not Detected E: Interference M: Duplicate Injection Precision not Met S: Method of Standard Additions []: Less than CRQL
J: Estimated R: Unusable N: Spike Recovery not Met W: Post Digestion Spike not Met -: Not Detected

Table 2
Validation / Summary Table

ANALYTE	SOW-3/90 - II CRQL	SAMPLE LOCATION: GLSW101XXX92XX LAB NUMBER: 450901 # DATE SAMPLED: 10/26/92		SAMPLE LOCATION: GLSW102XXX92XX LAB NUMBER: 450902 # DATE SAMPLED: 10/26/92		SAMPLE LOCATION: GLSW103XXX92XD LAB NUMBER: 451904 DATE SAMPLED: 10/27/92		SAMPLE LOCATION: GLSW103XXX92XX LAB NUMBER: 451901 DATE SAMPLED: 10/27/92		SAMPLE LOCATION: GLSW104XXX92XX LAB NUMBER: 454001 DATE SAMPLED: 10/28/92	
Aluminum	200	2210		172	[]	280		350		289	
Antimony	60	64.3	J	39.0	UJ	39.0	U	39.0	U	60.4	J
Arsenic	10	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Barium	200	440		17.6	[]	56.3	[]	66.5	[]	293	
Beryllium	5	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Cadmium	5	3.0	UJ	3.0	UJ	3.0	U	3.0	U	3.0	U
Calcium	5000	198000		32000		55400		64100		188000	
Chromium	10	16.6	J	5.0	UJ	5.0	UJ	5.0	UJ	10.2	J
Cobalt	50	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Copper	25	5.2	[]	14.7	[]	26.6		48.7	J	4.0	U
Iron	100	4280		87.8	[]	336	J	597	J	756	J
Lead	3	9.6		3.0	U	3.7	J	6.2	J	3.3	
Magnesium	5000	35100		8160		13300	J	15500	J	43600	
Manganese	15	271		5.0	U	102		86.0		385	
Mercury	0.2	0.20	U	0.20	U	0.20	UJ	0.20	UJ	0.20	U
Nickel	40	19.0	U	19.0	U	19.0	U	19.0	U	19.0	U
Potassium	5000	7850	J	767	U	2140	[]	2670	[]	9550	J
Selenium	5	5.0	UR	5.0	UR	5.0	UJ	5.0	UJ	5.0	U
Silver	10	4.0	U	4.0	U	4.0	UJ	4.0	UJ	4.0	U
Sodium	5000	68300		8760		19300	J	23200	J	72000	
Thallium	10	50.0	UJ	5.0	U	50.0	UR	50.0	UR	50.0	UR
Vanadium	50	5.2	[]	5.0	U	5.0	U	5.0	U	6.4	[]
Zinc	20	43.9		5.0	U	16.2	[]J	36.7	J	14.7	[]
Cyanide	10	10.0	U	10.0	U	10.0	U	10.0	U	10.0	U

Associated Method Blank:	PB786W	PB786W	PB788W	PB788W	PB795W
Associated Equipment Blank:	GLQS001XXX92XX	GLQS001XXX92XX	GLQS001XXX92XX	GLQS001XXX92XX	GLQS001XXX92XX
Associated Field Blank:	-	-	-	-	-

Site: SURFACE WATER #: Level IV Validation *: Duplicate Analysis not Met +: Coefficient <0.995
U: Not Detected E: Interference M: Duplicate Injection Precision not Met S: Method of Standard Additions []: Less than CRQL
J: Estimated R: Unusable N: Spike Recovery not Met W: Post Digestion Spike not Met -: Not Detected

Table 3
Summary Table

ANALYTE	SOW-3/90 - II CRQL	SAMPLE LOCATION: GLSW101XXX92XX LAB NUMBER: 450901 # DATE SAMPLED: 10/26/92		SAMPLE LOCATION: GLSW102XXX92XX LAB NUMBER: 450902 # DATE SAMPLED: 10/26/92		SAMPLE LOCATION: GLSW103XXX92XD LAB NUMBER: 451904 DATE SAMPLED: 10/27/92		SAMPLE LOCATION: GLSW103XXX92XX LAB NUMBER: 451901 DATE SAMPLED: 10/27/92		SAMPLE LOCATION: GLSW104XXX92XX LAB NUMBER: 454001 DATE SAMPLED: 10/28/92	
Aluminum	200	2210		172	[]	280		350		289	
Antimony	60	64.3	J	-		-		-		60.4	J
Arsenic	10	-		-		-		-		-	
Barium	200	440		17.6	[]	56.3	[]	66.5	[]	293	
Beryllium	5	-		-		-		-		-	
Cadmium	5	-		-		-		-		-	
Calcium	5000	198000		32000		55400		64100		188000	
Chromium	10	16.6	J	-		-		-		10.2	J
Cobalt	50	-		-		-		-		-	
Copper	25	5.2	[]	14.7	[]	26.6		48.7	J	-	
Iron	100	4280		87.8	[]	336	J	597	J	756	J
Lead	3	9.6		-		3.7	J	6.2	J	3.3	
Magnesium	5000	35100		8160		13300	J	15500	J	43600	
Manganese	15	271		-		102		86.0		385	
Mercury	0.2	-		-		-		-		-	
Nickel	40	-		-		-		-		-	
Potassium	5000	7850	J	-		2140	[]	2670	[]	9550	J
Selenium	5		R		R	-		-		-	
Silver	10	-		-		-		-		-	
Sodium	5000	68300		8760		19300	J	23200	J	72000	
Thallium	10	-		-			R		R		R
Vanadium	50	5.2	[]	-		-		-		6.4	[]
Zinc	20	43.9		-		16.2	[]J	36.7	J	14.7	[]
Cyanide	10	-		-		-		-		-	

Associated Method Blank:	PB786W	PB786W	PB788W	PB788W	PB795W
Associated Equipment Blank:	GLQS001XXX92XX	GLQS001XXX92XX	GLQS001XXX92XX	GLQS001XXX92XX	GLQS001XXX92XX
Associated Field Blank:	-	-	-	-	-

Site: SURFACE WATER #: Level IV Validation *: Duplicate Analysis not Met +: Coefficient <0.995
U: Not Detected E: Interference M: Duplicate Injection Precision not Met S: Method of Standard Additions []: Less than CRQL
J: Estimated R: Unusable N: Spike Recovery not Met W: Post Digestion Spike not Met -: Not Detected

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Table 1
Laboratory Report of Analysis

	SAMPLE LOCATION:	GLSD101XXX92XX		GLSD103XXX92XD		GLSD103XXX92XX		GLSD104XXX92XX	
	LAB NUMBER:	450903 #		451908		451909		454002	
	DATE SAMPLED:	10/26/92		10/27/92		10/27/92		10/28/92	
ANALYTE	SOW-3/90 - II CRQL								
Aluminum	40	8420	*	1950	*	2210	*	22900	
Antimony	12	18.9	[]	10.4	U	10.0	U	24.4	[]
Arsenic	2	2.7	[]	2.4	[]	2.1	[]	4.2	U
Barium	40	579		219	N*	274	N*	228	
Beryllium	1	0.43	[]	0.27	U	0.26	U	1.3	[]
Cadmium	1	0.96	U	0.80	U	0.93	[]	1.3	U
Calcium	1000	48900		35300	*	37000	*	64600	
Chromium	2	61.0		22.9	N*	28.8	N*	50.9	
Cobalt	10	12.0	[]	4.4	[]	4.2	[]	18.1	[]
Copper	5	23.9		81.8	N*	118	N*	31.6	
Iron	20	16800		6750		5400		36000	
Lead	0.6	28.3		24.4		30.8		25.2	N
Magnesium	1000	8240		4510	*	5400	*	15900	
Manganese	3	316		205		198		728	
Mercury	0.04	0.67		0.29	*	0.23	*	0.32	
Nickel	8	20.6		10.7	*	15.6	*	37.3	*
Potassium	1000	1190	[]	293	[]	516	[]	4940	
Selenium	1	1.6	UN	13.4	UN	12.9	UN	2.1	UWN
Silver	2	1.3	UN	1.1	UN	1.8	[]N	1.7	U
Sodium	1000	166	[]	184	[]	199	[]	217	[]
Thallium	2	1.6	UW	1.3	U	1.3	UW	2.1	U
Vanadium	10	23.3		12.2	[]	17.9		50.9	
Zinc	4	115		99.5		80.3		184	E
Cyanide	2	0.93	U	0.55	U	0.54	U	1.0	U
Percent Solids:		62		75		78		47	
Associated Method Blank:		PB786S		PB788S		PB788S		PB795S	
Associated Equipment Blank:		GLQS002XXX92XX		GLQS002XXX92XX		GLQS002XXX92XX		GLQS002XXX92XX	
Associated Field Blank:		-		-		-		-	

Site: SEDIMENT #: Level IV Validation *: Duplicate Analysis not Met +: Coefficient <0.995
U: Not Detected E: Interference M: Duplicate Injection Precision not Met S: Method of Standard Additions []: Less than CRQL
J: Estimated R: Unusable N: Spike Recovery not Met W: Post Digestion Spike not Met -: Not Detected

Table 2
Validation / Summary Table

ANALYTE	SOW-3/90 - II CRQL	SAMPLE LOCATION: GLSD101XXX92XX LAB NUMBER: 450903 # DATE SAMPLED: 10/26/92		SAMPLE LOCATION: GLSD103XXX92XD LAB NUMBER: 451908 DATE SAMPLED: 10/27/92		SAMPLE LOCATION: GLSD103XXX92XX LAB NUMBER: 451909 DATE SAMPLED: 10/27/92		SAMPLE LOCATION: GLSD104XXX92XX LAB NUMBER: 454002 DATE SAMPLED: 10/28/92	
Aluminum	40	8420		1950		2210		22900	J
Antimony	12	18.9	[]	10.4	U	10.0	U	24.4	[]J
Arsenic	2	2.7	[]	2.4	[]	2.1	[]	4.2	UJ
Barium	40	579		219	J	274	J	228	J
Beryllium	1	0.43	[]	0.27	U	0.26	U	1.3	[]J
Cadmium	1	0.96	UJ	0.80	U	0.93	[]	1.3	UJ
Calcium	1000	48900		35300		37000		64600	J
Chromium	2	61.0	J	22.9	J	28.8	J	50.9	J
Cobalt	10	12.0	[]	4.4	[]	4.2	[]	18.1	[]J
Copper	5	23.9		81.8	J	118	J	31.6	J
Iron	20	16800		6750		5400		36000	J
Lead	0.6	28.3		24.4		30.8		25.2	J
Magnesium	1000	8240		4510	J	5400	J	15900	J
Manganese	3	316		205		198		728	J
Mercury	0.04	0.67		0.29	J	0.23	J	0.32	J
Nickel	8	20.6	J	10.7		15.6		37.3	J
Potassium	1000	1190	[]	293	[]	516	[]	4940	J
Selenium	1	1.6	UJ	13.4	UR	12.9	UR	2.1	UR
Silver	2	1.3	UJ	1.1	UJ	1.8	[]J	1.7	UJ
Sodium	1000	166	[]	184	[]	199	[]	217	[]J
Thallium	2	1.6	U	1.3	U	1.3	UJ	2.1	UJ
Vanadium	10	23.3	J	12.2	[]	17.9		50.9	J
Zinc	4	115		99.5		80.3		184	J
Cyanide	2	0.93	U	0.55	U	0.54	U	1.0	UJ
Percent Solids:		62		75		78		47	
Associated Method Blank:		PB786S		PB788S		PB788S		PB795S	
Associated Equipment Blank:		GLQS002XXX92XX		GLQS002XXX92XX		GLQS002XXX92XX		GLQS002XXX92XX	
Associated Field Blank:		-		-		-		-	

Site: SEDIMENT #: Level IV Validation *: Duplicate Analysis not Met +: Coefficient <0.995
U: Not Detected E: Interference M: Duplicate Injection Precision not Met S: Method of Standard Additions []: Less than CRQL
J: Estimated R: Unusable N: Spike Recovery not Met W: Post Digestion Spike not Met -: Not Detected

Table 3
Summary Table

ANALYTE	SOW-3/90 - II CRQL	SAMPLE LOCATION: GLSD101XXX92XX LAB NUMBER: 450903 # DATE SAMPLED: 10/26/92		SAMPLE LOCATION: GLSD103XXX92XD LAB NUMBER: 451908 DATE SAMPLED: 10/27/92		SAMPLE LOCATION: GLSD103XXX92XX LAB NUMBER: 451909 DATE SAMPLED: 10/27/92		SAMPLE LOCATION: GLSD104XXX92XX LAB NUMBER: 454002 DATE SAMPLED: 10/28/92	
Aluminum	40	8420		1950		2210		22900	J
Antimony	12	18.9	[]	-		-		24.4	[]J
Arsenic	2	2.7	[]	2.4	[]	2.1	[]	-	
Barium	40	579		219	J	274	J	228	J
Beryllium	1	0.43	[]	-		-		1.3	[]J
Cadmium	1	-		-		0.93	[]	-	
Calcium	1000	48900		35300		37000		64600	J
Chromium	2	61.0	J	22.9	J	28.8	J	50.9	J
Cobalt	10	12.0	[]	4.4	[]	4.2	[]	18.1	[]J
Copper	5	23.9		81.8	J	118	J	31.6	J
Iron	20	16800		6750		5400		36000	J
Lead	0.6	28.3		24.4		30.8		25.2	J
Magnesium	1000	8240		4510	J	5400	J	15900	J
Manganese	3	316		205		198		728	J
Mercury	0.04	0.67		0.29	J	0.23	J	0.32	J
Nickel	8	20.6	J	10.7		15.6		37.3	J
Potassium	1000	1190	[]	293	[]	516	[]	4940	J
Selenium	1	-			R		R		R
Silver	2	-		-		1.8	[]J	-	
Sodium	1000	166	[]	184	[]	199	[]	217	[]J
Thallium	2	-		-		-		-	
Vanadium	10	23.3	J	12.2	[]	17.9		50.9	J
Zinc	4	115		99.5		80.3		184	J
Cyanide	2	-		-		-		-	
Percent Solids:		62		75		78		47	
Associated Method Blank:		PB786S		PB788S		PB788S		PB795S	
Associated Equipment Blank:		GLQS002XXX92XX		GLQS002XXX92XX		GLQS002XXX92XX		GLQS002XXX92XX	
Associated Field Blank:		-		-		-		-	

Site: SEDIMENT #: Level IV Validation *: Duplicate Analysis not Met +: Coefficient <0.995
U: Not Detected E: Interference M: Duplicate Injection Precision not Met S: Method of Standard Additions []: Less than CRQL
J: Estimated R: Unusable N: Spike Recovery not Met W: Post Digestion Spike not Met -: Not Detected

Table 1
Laboratory Report of Analysis

	SAMPLE LOCATION:	GLTB104X0492XX		GLTB105X0292XX		GLTB106X0692XX		GLTB107X0292XX		GLTB108X0492XX	
	LAB NUMBER:	451914		451915		451916		451917		451913	
	DATE SAMPLED:	10/27/92		10/27/92		10/27/92		10/27/92		10/27/92	
ANALYTE	SOW-3/90 - II CRQL										
Aluminum	40	2110		1250		844		5230		7680	
Antimony	12	8.5	U	14.8		14.5		10.2	U	10.1	[]
Arsenic	2	3.9		1.8	[]	2.2		4.6		4.2	S
Barium	40	25.0	[]	27.2	[]	19.2	[]	92.9		47.6	
Beryllium	1	0.56	[]	0.24	U	0.21	U	1.9		0.85	[]
Cadmium	1	0.65	U	0.71	[]	0.64	U	0.79	U	0.68	U
Calcium	1000	12200	*	56700	*	44700	*	11900	*	29800	*
Chromium	2	89.3	N	31.2	N	40.3	N	77.8	N	24.6	N
Cobalt	10	5.3	[]	2.9	[]	5.2	[]	6.7	[]	10.0	[]
Copper	5	34.1	N*	11.6	N*	20.2	N*	70.6	N*	15.4	N*
Iron	20	5930		5750		5420		11300		15300	
Lead	0.6	27.7	*	32.1	*	47.3	*	24.3	*	22.0	*
Magnesium	1000	5000	*	34300	*	27300	*	4370	*	9220	*
Manganese	3	129	N	328	N	165	N	234	N	337	N
Mercury	0.04	1.5	N	0.12	UN	0.11	UN	1.7	N	0.33	N
Nickel	8	20.8		9.2	[]	12.7		31.0		15.0	
Potassium	1000	273	[]	260	[]	328	[]	415	[]	862	[]
Selenium	1	1.1	U	1.2	U	1.1	UW	1.3	U	1.1	UW
Silver	2	0.87	U	0.95	U	0.86	U	1.1	U	0.91	U
Sodium	1000	72.9	[]	129	[]	103	[]	99.1	[]	73.3	U
Thallium	2	1.1	UW	1.2	UW	1.1	UW	1.3	UW	1.1	UW
Vanadium	10	16.3		12.1		15.9		19.6		20.0	
Zinc	4	55.4	E	232	E	132	E	74.7	E	62.0	E
Cyanide	2	0.63	U	0.65	U	0.68	U	0.52	U	0.59	U
Percent Solids:		92		85		93		76		88	
Associated Method Blank:		PB788S		PB788S		PB788S		PB788S		PB788S	
Associated Equipment Blank:		GLQS003XXX92XX		GLQS003XXX92XX		GLQS003XXX92XX		GLQS003XXX92XX		GLQS002XXX92XX	
Associated Field Blank:		-		-		-		-		-	

Site: TEST BORING *: Duplicate Analysis not Met +: Coefficinet <0.995
U: Not Detected E: Interference M: Duplicate Injection Precision not Met S: Method of Standard Additions []: Less than CRQL
J: Estimated R: Unusable N: Spike Recovery not Met W: Post Digestion Spike not Met -: Not Detected

Table 2
Validation / Summary Table

ANALYTE	SOW-3/90 - II CRQL	SAMPLE LOCATION: GLTB104X0492XX		SAMPLE LOCATION: GLTB105X0292XX		SAMPLE LOCATION: GLTB106X0692XX		SAMPLE LOCATION: GLTB107X0292XX		SAMPLE LOCATION: GLTB108X0492XX	
		LAB NUMBER: 451914		LAB NUMBER: 451915		LAB NUMBER: 451916		LAB NUMBER: 451917		LAB NUMBER: 451913	
		DATE SAMPLED: 10/27/92		DATE SAMPLED: 10/27/92		DATE SAMPLED: 10/27/92		DATE SAMPLED: 10/27/92		DATE SAMPLED: 10/27/92	
Aluminum	40	2110		1250		844		5230		7680	
Antimony	12	8.5	U	14.8	J	14.5	J	10.2	U	10.1	[]J
Arsenic	2	3.9		1.8	[]	2.2		4.6		4.2	
Barium	40	25.0	[]J	27.2	[]J	19.2	[]	92.9	J	47.6	J
Beryllium	1	0.56	[]	0.24	U	0.21	U	1.9		0.85	[]
Cadmium	1	0.65	U	0.71	[]	0.64	U	0.79	U	0.68	U
Calcium	1000	12200		56700		44700		11900		29800	
Chromium	2	89.3	J	31.2	J	40.3	J	77.8	J	24.6	J
Cobalt	10	5.3	[]	2.9	[]	5.2	[]	6.7	[]	10.0	[]
Copper	5	34.1	J	11.6	J	20.2	J	70.6	J	15.4	J
Iron	20	5930		5750		5420		11300		15300	
Lead	0.6	27.7		32.1		47.3		24.3		22.0	
Magnesium	1000	5000		34300		27300		4370		9220	
Manganese	3	129	J	328	J	165	J	234	J	337	J
Mercury	0.04	1.5	J	0.12	U	0.11	U	1.7	J	0.33	J
Nickel	8	20.8		9.2	[]	12.7		31.0		15.0	
Potassium	1000	273	[]	260	[]	328	[]	415	[]	862	[]
Selenium	1	1.1	U	1.2	U	1.1	UJ	1.3	U	1.1	UJ
Silver	2	0.87	UJ	0.95	UJ	0.86	UJ	1.1	UJ	0.91	UJ
Sodium	1000	72.9	[]	129	[]	103	[]	99.1	[]	73.3	U
Thallium	2	1.1	UJ	1.2	UJ	1.1	UJ	1.3	UJ	1.1	UJ
Vanadium	10	16.3		12.1		15.9		19.6		20.0	
Zinc	4	55.4	J	232	J	132	J	74.7	J	62.0	J
Cyanide	2	0.63	U	0.65	U	0.68	U	0.52	U	0.59	U
Percent Solids:		92		85		93		76		88	
Associated Method Blank:		PB788S		PB788S		PB788S		PB788S		PB788S	
Associated Equipment Blank:		GLQS003XXX92XX		GLQS003XXX92XX		GLQS003XXX92XX		GLQS003XXX92XX		GLQS002XXX92XX	
Associated Field Blank:		-		-		-		-		-	

Site: TEST BORING *: Duplicate Analysis not Met +: Coefficinet <0.995
U: Not Detected E: Interference M: Duplicate Injection Precision not Met S: Method of Standard Additions []: Less than CRQL
J: Estimated R: Unusable N: Spike Recovery not Met W: Post Digestion Spike not Met -: Not Detected

Table 3
Summary Table

	SAMPLE LOCATION:	GLTB104X0492XX		GLTB105X0292XX		GLTB106X0692XX		GLTB107X0292XX		GLTB108X0492XX	
	LAB NUMBER:	451914		451915		451916		451917		451913	
	DATE SAMPLED:	10/27/92		10/27/92		10/27/92		10/27/92		10/27/92	
ANALYTE	SOW-3/90 - II CRQL										
Aluminum	40	2110		1250		844		5230		7680	
Antimony	12	-		14.8	J	14.5	J	-		10.1	[]J
Arsenic	2	3.9		1.8	[]	2.2		4.6		4.2	
Barium	40	25.0	[]J	27.2	[]J	19.2	[]	92.9	J	47.6	J
Beryllium	1	0.56	[]	-		-		1.9		0.85	[]
Cadmium	1	-		0.71	[]	-		-		-	
Calcium	1000	12200		56700		44700		11900		29800	
Chromium	2	89.3	J	31.2	J	40.3	J	77.8	J	24.6	J
Cobalt	10	5.3	[]	2.9	[]	5.2	[]	6.7	[]	10.0	[]
Copper	5	34.1	J	11.6	J	20.2	J	70.6	J	15.4	J
Iron	20	5930		5750		5420		11300		15300	
Lead	0.6	27.7		32.1		47.3		24.3		22.0	
Magnesium	1000	5000		34300		27300		4370		9220	
Manganese	3	129	J	328	J	165	J	234	J	337	J
Mercury	0.04	1.5	J	-		-		1.7	J	0.33	J
Nickel	8	20.8		9.2	[]	12.7		31.0		15.0	
Potassium	1000	273	[]	260	[]	328	[]	415	[]	862	[]
Selenium	1	-		-		-		-		-	
Silver	2	-		-		-		-		-	
Sodium	1000	72.9	[]	129	[]	103	[]	99.1	[]	-	
Thallium	2	-		-		-		-		-	
Vanadium	10	16.3		12.1		15.9		19.6		20.0	
Zinc	4	55.4	J	232	J	132	J	74.7	J	62.0	J
Cyanide	2	-		-		-		-		-	
Percent Solids:		92		85		93		76		88	
Associated Method Blank:		PB788S		PB788S		PB788S		PB788S		PB788S	
Associated Equipment Blank:		GLQS003XXX92XX		GLQS003XXX92XX		GLQS003XXX92XX		GLQS003XXX92XX		GLQS002XXX92XX	
Associated Field Blank:		-		-		-		-		-	

Site: TEST BORING *: Duplicate Analysis not Met +: Coefficinet <0.995
U: Not Detected E: Interference M: Duplicate Injection Precision not Met S: Method of Standard Additions []: Less than CRQL
J: Estimated R: Unusable N: Spike Recovery not Met W: Post Digestion Spike not Met -: Not Detected

Table 1
Laboratory Report of Analysis

SAMPLE LOCATION: GLSD102XXX92XX
LAB NUMBER: 450904
DATE SAMPLED: 10/26/92

ANALYTE	RL	
Arsenic	43	43.0 U
Barium	10	373
Cadmium	3	3.0 U
Chromium	5	5.0 U
Lead	40	40.0 U
Mercury	0.2	0.20 U
Selenium	51	51.0 U
Silver	4	4.0 U

Associated Method Blank: BK786EP
Associated Equipment Blank: -
Associated Field Blank: -

Site: SEDIMENT
NOTE: EPTOX ANALYSIS U: Not Detected

Table 2
Validation / Summary Table

SAMPLE LOCATION: GLSD102XXX92XX
LAB NUMBER: 450904
DATE SAMPLED: 10/26/92

ANALYTE	RL	
Arsenic	43	43.0 U
Barium	10	373 J
Cadmium	3	3.0 U
Chromium	5	5.0 U
Lead	40	40.0 UJ
Mercury	0.2	0.20 U
Selenium	51	51.0 U
Silver	4	4.0 U

Associated Method Blank: BK786EP
Associated Equipment Blank: -
Associated Field Blank: -

Site: SEDIMENT
NOTE: EPTOX ANALYSIS U: Not Detected J: Estimated

Table 3
Summary Table

SAMPLE LOCATION: GLSD102XXX92XX
LAB NUMBER: 450904
DATE SAMPLED: 10/26/92

ANALYTE	RL	
Arsenic	43	-
Barium	10	373 J
Cadmium	3	-
Chromium	5	-
Lead	40	-
Mercury	0.2	-
Selenium	51	-
Silver	4	-

Associated Method Blank: BK786EP
Associated Equipment Blank: -
Associated Field Blank: -

Site: SEDIMENT
NOTE: EPTOX ANALYSIS J: Estimated -: Not Detected

Table 1
Laboratory Report of Analysis

	SAMPLE LOCATION:	GLTB104X0492XX	GLTB105X0292XX	GLTB106X0692XX	GLTB107X0292XX	GLTB108X0492XX
	LAB NUMBER:	E51914	E51915	E51916	E51917	E51913
	DATE SAMPLED:	10/27/92	10/27/92	10/27/92	10/27/92	10/27/92
ANALYTE	RL					
Arsenic	43	43.0 U	43.0 U	43.0 U	43.0 U	43.0 U
Barium	10	365	394	308	427	756
Cadmium	3	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U
Chromium	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Lead	40	40.0 U	40.0 U	40.0 U	40.0 U	40.0 U
Mercury	0.2	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Selenium	51	51.0 U	51.0 U	51.0 U	51.0 U	51.0 U
Silver	4	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U
Associated Method Blank:		BK788EP	BK788EP	BK788EP	BK788EP	BK788EP
Associated Equipment Blank:		-	-	-	-	-
Associated Field Blank:		-	-	-	-	-

SITE: TEST BORING
NOTE: EPTOX ANALYSIS U: Not Detected

Table 2
Validation / Summary Table

	SAMPLE LOCATION:	GLTB104X0492XX	GLTB105X0292XX	GLTB106X0692XX	GLTB107X0292XX	GLTB108X0492XX
	LAB NUMBER:	E51914	E51915	E51916	E51917	E51913
	DATE SAMPLED:	10/27/92	10/27/92	10/27/92	10/27/92	10/27/92
ANALYTE	RL					
Arsenic	43	43.0 U	43.0 U	43.0 U	43.0 U	43.0 U
Barium	10	365	394	308	427	756
Cadmium	3	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U
Chromium	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Lead	40	40.0 UJ	40.0 UJ	40.0 UJ	40.0 UJ	40.0 UJ
Mercury	0.2	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Selenium	51	51.0 U	51.0 U	51.0 U	51.0 U	51.0 U
Silver	4	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U
Associated Method Blank:		BK788EP	BK788EP	BK788EP	BK788EP	BK788EP
Associated Equipment Blank:		-	-	-	-	-
Associated Field Blank:		-	-	-	-	-

Site: TEST BORING
NOTE: EPTOX ANALYSIS U: Not Detected J: Estimated

Table 3
Summary Table

SAMPLE LOCATION:		GLTB104X0492XX	GLTB105X0292XX	GLTB106X0692XX	GLTB107X0292XX	GLTB108X0492XX
LAB NUMBER:		E51914	E51915	E51916	E51917	E51913
DATE SAM		10/27/92	10/27/92	10/27/92	10/27/92	10/27/92
ANALYTE						
Arsenic	43	-	-	-	-	-
Barium	10	365	394	308	427	756
Cadmium	3	-	-	-	-	-
Chromium	5	-	-	-	-	-
Lead	40	-	-	-	-	-
Mercury	0.2	-	-	-	-	-
Selenium	51	-	-	-	-	-
Silver	4	-	-	-	-	-
Associated Method Blank:		BK788EP	BK788EP	BK788EP	BK788EP	BK788EP
Associated Equipment Blank:		-	-	-	-	-
Associated Field Blank:		-	-	-	-	-

Site: TEST BORING
NOTE: EPTOX ANALYSIS -: Not Detected

Table 1
Laboratory Report of Analysis

SAMPLE LOCATION: GLSD102XXX92XX
LAB NUMBER: 1450904
DATE SAMPLED: 10/26/92

ANALYTE	RL	
Ignitability (degree F)		>212
Corrosivity (pH)		6.33
Reactivity - Cyanide (mg/kg)	1.0	1 U
Reactivity - Sulfide (mg/kg)	1.0	1 U

Associated Method Blank: -
Associated Equipment Blank: -
Associated Field Blank: -

Site: SEDIMENT U: Not Detected

Table 2
Validation / Summary Table

SAMPLE LOCATION: GLSD102XXX92XX
LAB NUMBER: 1450904
DATE SAMPLED: 10/26/92

ANALYTE	RL	
Ignitability (degree F)		>212
Corrosivity (pH)		6.33
Reactivity - Cyanide (mg/kg)	1.0	1 U
Reactivity - Sulfide (mg/kg)	1.0	1 U

Associated Method Blank: -
Associated Equipment Blank: -
Associated Field Blank: -

Site: SEDIMENT U: Not Detected

Table 3
Summary Table

SAMPLE LOCATION: GLSD102XXX92XX
LAB NUMBER: 1450904
DATE SAMPLED: 10/26/92

ANALYTE	RL	
Ignitability (degree F)		-
Corrosivity (pH)		6.33
Reactivity - Cyanide (mg/kg)	1.0	-
Reactivity - Sulfide (mg/kg)	1.0	-

Associated Method Blank:	-
Associated Equipment Blank:	-
Associated Field Blank:	-

Site: SEDIMENT -: Not Detected

Table 1
Laboratory Report of Analysis

	SAMPLE LOCATION:	GLTB104X0492XX	GLTB105X0292XX	GLTB106X0692XX	GLTB107X0292XX	GLTB108X0492XX
	LAB NUMBER:	1451914	1451915	1451916	1451917	1451913
	DATE SAMPLED:	10/27/92	10/27/92	10/27/92	10/27/92	10/27/92
ANALYTE	RL					
Ignitability (degree F)		>212	>212	>212	>212	>212
Corrosivity (pH)		6.14	6.75	6.84	6.33	7.58
Reactivity - Cyanide	1.0	1 U	1 U	1 U	1 U	1 U
Reactivity - Sulfide	1.0	1 U	1 U	1 U	1 U	1 U
Associated Method Blank:		-	-	-	-	-
Associated Equipment Blank:		-	-	-	-	-
Associated Field Blank:		-	-	-	-	-

Site: TEST BORING U: Not Detected

Table 2
Validation / Summary Table

	SAMPLE LOCATION:	GLTB104X0492XX	GLTB105X0292XX	GLTB106X0692XX	GLTB107X0292XX	GLTB108X0492XX
	LAB NUMBER:	1451914	1451915	1451916	1451917	1451913
	DATE SAMPLED:	10/27/92	10/27/92	10/27/92	10/27/92	10/27/92
ANALYTE	RL					
Ignitability (degree F)		>212	>212	>212	>212	>212
Corrosivity (pH)		6.14	6.75	6.84	6.33	7.58
Reactivity - Cyanide	1.0	1 U	1 U	1 U	1 U	1 U
Reactivity - Sulfide	1.0	1 U	1 U	1 U	1 U	1 U
Associated Method Blank:		-	-	-	-	-
Associated Equipment Blank:		-	-	-	-	-
Associated Field Blank:		-	-	-	-	-

Site: TEST BORING U: Not Detected

Table 3
Summary Table

	SAMPLE LOCATION:	GLTB104X0492XX	GLTB105X0292XX	GLTB106X0692XX	GLTB107X0292XX	GLTB108X0492XX
	LAB NUMBER:	1451914	1451915	1451916	1451917	1451913
	DATE SAMPLED:	10/27/92	10/27/92	10/27/92	10/27/92	10/27/92
ANALYTE	RL					
Ignitability (degree F)		-	-	-	-	-
Corrosivity (pH)		6.14	6.75	6.84	6.33	7.58
Reactivity - Cyanide	1.0	-	-	-	-	-
Reactivity - Sulfide	1.0	-	-	-	-	-
Associated Method Blank:		-	-	-	-	-
Associated Equipment Blank:		-	-	-	-	-
Associated Field Blank:		-	-	-	-	-

Site: TEST BORING -: Not Detected

TENTATIVELY IDENTIFIED COMPOUND (TIC) SUMMARY
FOR GREAT LAKES CARBON; FILE: 7084-101
SOIL (ug/kg)

VOLATILE

NO VOLATILE TICs WERE IDENTIFIED IN THE FOLLOWING SAMPLES:

GLSD101XXX92XX

SEMIVOLATILE

	GLSD101XXX92XX	GLSD101XXX92XXDL
Unknown Aromatic	1400 J(4)	1770 J(3)
C17H12 Aromatic Hydrocarbon	1550 J(3)	2700 J(2)
C20H12 Aromatic Hydrocarbon	5600 J	5300 J
C22H12 Aromatic Hydrocarbon	1500 J	
C15H12 Aromatic Hydrocarbon		1090 J(2)
C16H12 Aromatic Hydrocarbon		510 J

Data Qualifiers: J: Estimated N: Presumptive evidence A: Aldol-condensation product

TENTATIVELY IDENTIFIED COMPOUND (TIC) SUMMARY
FOR GREAT LAKES CARBON; FILE: 7084-101
AQUEOUS (ug/L)

VOLATILE

NO VOLATILE TICs WERE IDENTIFIED IN THE FOLLOWING SAMPLES:

GLSW101XXX92XX GLSW102XXX92XX

SEMIVOLATILE

	GLSW101XXX92XX
Unknown Aromatic	3 J

NO SEMIVOLATILE TICs WERE IDENTIFIED IN THE FOLLOWING SAMPLES:

GLSW102XXX92XX

Data Qualifiers: J: Estimated N: Presumptive evidence A: Aldol-condensation product

TENTATIVELY IDENTIFIED COMPOUND (TIC) SUMMARY
FOR GREAT LAKES CARBON; FILE: 7084-105
SOIL (ug/kg)

VOLATILE

	GLSD104XXX92XX
Unknown Aromatic	1520 J(4)
C17H12 Aromatic Hydrocarbon	3820 J(4)
C18H12 Aromatic Hydrocarbon	1390 J(2)
C20H12 Aromatic Hydrocarbon	3500 J(2)
C22H12 Aromatic Hydrocarbon	810 J

NO VOLATILE TICs WERE IDENTIFIED IN THE FOLLOWING SAMPLES:

GLSD104XXX92XX

Data Qualifiers: J: Estimated N: Presumptive evidence A: Aldol-condensation product

TENTATIVELY IDENTIFIED COMPOUND (TIC) SUMMARY
FOR GREAT LAKES CARBON; FILE: 7084-104
AQUEOUS (ug/L)

VOLATILE

NO VOLATILE TICs WERE IDENTIFIED IN THE FOLLOWING SAMPLES:

GLQS001XXX92XX	GLQS003XXX92XXRE
GLQS001XXX92XXRE	GLQT001XXX92XX
GLQS002XXX92XX	GLSW103XXX92XX
GLQS002XXX92XXRE	GLSW103XXX92XD
GLQS003XXX92XX	

SEMIVOLATILE

	GLSW103XXX92XDRE
Unknown Acid	3 J

NO SEMIVOLATILE TICs WERE IDENTIFIED IN THE FOLLOWING SAMPLES:

GLSW103XXX92XX	GLQS002XXX92XX
GLSW103XXX92XD	GLQS002XXX92XXRE
GLQS001XXX92XX	GLQS003XXX92XX

Data Qualifiers: J: Estimated N: Presumptive evidence A: Aldol-condensation product

TENTATIVELY IDENTIFIED COMPOUND (TIC) SUMMARY
FOR GREAT LAKES CARBON; FILE: 7084-104
SOIL (ug/kg)

VOLATILE

NO VOLATILE TICs WERE IDENTIFIED IN THE FOLLOWING SAMPLES:

GLSD103XXX92XX
GLSD103XXX92XD
GLTB104X0492XX
GLTB105X0292XX
GLTB106X0692XX
GLTB107X0292XX
GLTB108X0492XX

SEMIVOLATILE

	GLTB107X0292XX	GLTB108X0492XX	GLTB107X0292XXDL	GLSD103XXX92XX
C14H12 Aromatic Hydrocarbon	4100 J			
C14H14 Aromatic Hydrocarbon	3700 J			
C15H12 Aromatic Hydrocarbon	2400 J(2)			4700 J(2)
C16H12 Aromatic Hydrocarbon	870 J			
C17H12 Aromatic Hydrocarbon	2400 J(2)	1510 J(3)	43800 J(4)	209000 J(6)
C20H12 Aromatic Hydrocarbon	199000 J(3)	1000 J	48900 J(3)	95000 J(2)
C22H14 Aromatic Hydrocarbon	53000 J(2)			
Unknown Acid		230 J		
C13H12 Aromatic Hydrocarbon				5700 J
C19H14 Aromatic Hydrocarbon				2800 J

	GLSD103XXX92XD	GLSD103XXX92XDDL	GLTB104X0492XX	GLTB104X0492XXDL
Unknown Alkane	165000 J(3)			
C14H12 Aromatic Hydrocarbon	67000 J		2700 J	
C14H14 Aromatic Hydrocarbon	70000 J		2900 J	
C15H12 Aromatic Hydrocarbon	115000 J(3)		4060 J(3)	
C16H12 Aromatic Hydrocarbon	59000 J(2)		1200 J	
C17H12 Aromatic Hydrocarbon	105000 J(4)	659000 J(6)	2500 J(2)	50100 J(5)
C13H12 Aromatic Hydrocarbon		68000 J		
C20H12 Aromatic Hydrocarbon		490000 J	900 J	32800 J(2)
C12H10 Aromatic Hydrocarbon			2100 J	
C12H12 Aromatic Hydrocarbon			3800 J(2)	
C18H12 Aromatic Hydrocarbon			620 J	

	GLTB105X0292XX	GLTB105X0292XXDL	GLTB106X0692XX	GLTB106X0692XXDL
C11H10 Aromatic Hydrocarbon	580 J			
C13H12 Aromatic Hydrocarbon	1510 J(2)	9000 J	9100 J	8700 J
C17H12 Aromatic Hydrocarbon	2600 J(2)	96000 J(4)	6600 J(2)	24700 J(4)
C18H12 Aromatic Hydrocarbon	930 J			8100 J(2)
C19H14 Aromatic Hydrocarbon	520 J		2300 J	3300 J
C20H12 Aromatic Hydrocarbon	23400 J(3)	86000 J(3)	199000 J(2)	27500 J(2)
C20H14 Aromatic Hydrocarbon	2100 J			
Unknown Aromatic	2700 J		14900 J(3)	
C16H12 Aromatic Hydrocarbon			5000 J	
C15H12 Aromatic Hydrocarbon			14700 J(3)	
C22H12 Aromatic Hydrocarbon			6100 J	4600 J
C14H12 Aromatic Hydrocarbon			5200 J	

TENTATIVELY IDENTIFIED COMPOUND (TIC) SUMMARY
FOR GREAT LAKES CARBON; FILE: 7084-104
SOIL (ug/kg)

SEMIVOLATILE cont.

	GLSD103XXX92XXDL
C13H12 Aromatic Hydrocarbon	34000 J
C15H12 Aromatic Hydrocarbon	39000 J(2)
C16H12 Aromatic Hydrocarbon	19000 J
C17H12 Aromatic Hydrocarbon	182000 J(5)
C19H14 Aromatic Hydrocarbon	25000 J
C20H12 Aromatic Hydrocarbon	200000 J

Data Qualifiers: J: Estimated N: Presumptive evidence A: Aldol-condensation product

TENTATIVELY IDENTIFIED COMPOUND (TIC) SUMMARY
FOR GREAT LAKES CARBON; FILE: 7084-105
AQUEOUS (ug/L)

VOLATILE

NO VOLATILE TICs WERE IDENTIFIED IN THE FOLLOWING SAMPLES:

GLSW104XXX92XX

SEMIVOLATILE

NO SEMIVOLATILE TICs WERE IDENTIFIED IN THE FOLLOWING SAMPLES:

GLSW104XXX92XX