111713

APPENDICES

FINAL REMEDIAL INVESTIGATION REPORT

Havertown PCP Site
Haverford Township
Delaware County, Pennsylvania

DER Agreement Number ME - 86110
REWAI Project Number 86021

By

R. E. WRIGHT ASSOCIATES, INC.
3240 Schoolhouse Road
Middletown, PA 17057

AR300416

September 1988

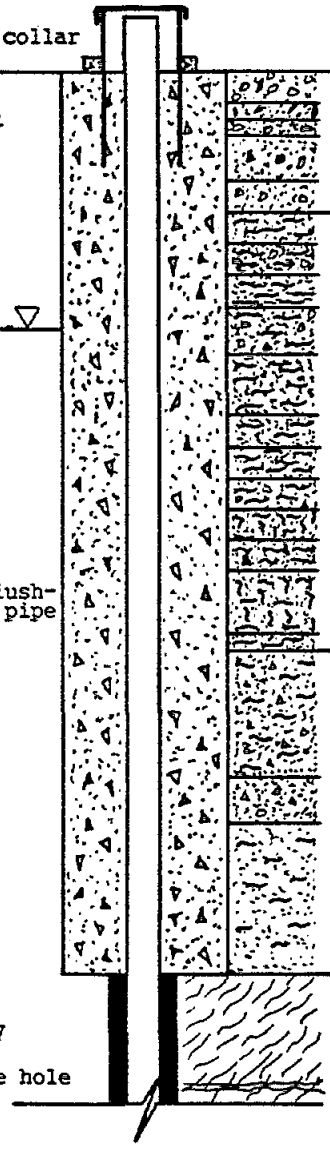
APPENDIX 1

Monitoring Well Logs

AR300418

Havertown PCP Site
Project 86021
Monitoring Well CW-1D

Depth Below Ground Surface	Blow Counts	Field VOA Analysis (ppm)	Well Construction Information	USCS* Symbol	Description
			Locking cap 6" ID steel protector pipe Antipercolation collar		
0' (307.2)	4 8 44 15 4 7 7 10 6 4	1 B	Bentonite/cement slurry	Fill Fill Fill Fill Fill	Moderate yellowish-brown to dusky yellowish-brown, fine to medium-grained SAND, fine cinders and wood fragments, weathered, moist to very moist, FILL.
6' (301.2)	6 10 5 7 11 15 8 9 6 9 4	3 5 1	10" diameter borehole	ML SM ML SM ML-SM	Dark yellowish-orange to light brown (5/6), very fine to fine-grained SILTY SAND, highly micaceous, highly weathered, little very coarse-grained sand, moist to very moist, evidence of foliation, micaceous saprolite.
12' (295.2)	15 20 46 56 14 18 12 12 7 13 27 100/5.5"	B 1 NA	2" ID Sch. 40 flush-joint PVC riser pipe	SM ML ML-SM CL SM ?	
18' (289.2)	30 80 100/2" -- 75 100/4" -- 40 79 100/3" 29 68 100/6"	NA NA 0		SM SM SP	Brownish-black, fine to medium-grained SILTY SAND, highly mica ceous, highly weathered, little schist fragments, moist, foliation dipping 49°, very highly weathered biotite-muscovite schist saprolite.
24' (283.2)	100/4" -- -- 49 100/5" -- -- 65 100/2"	0 0		SM	
30' (277.2)	R O C K		Bentonite slurry 4" diameter core hole		Silvery dark gray weathered yellowish-orange, hard, biotite-muscovite SCHIST, foliated, bedrock.
33' (274.2)	C O R E D				



Vertical Scale: 1" = 6'

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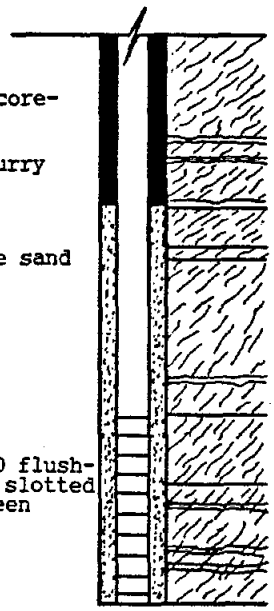
AR300419

Havertown PCP Site
Project 86021
Monitoring Well CW-ID (cont'd)

Depth Below Ground Surface	Blow Counts	Field VOA Analysis (ppm)	Well Construction Information	Description
33' (274.2)	ROCK		4" diameter core-hole	
36' (271.2)	CORED	NA	Bentonite slurry	Silvery dark gray weathered yellowish-orange, hard, biotite-muscovite SCHIST, foliated, bedrock.
42' (265.2)			Grade 1 Morie sand pack	
48' (259.2)			2" ID Sch. 40 flush-joint 0.020" slotted PVC well screen	
51.3' (255.9)				



Vertical Scale: 1" = 6'

Total Depth of Well: 51.3'
Bedrock Elevation: 278.4'
Borehole Diameter: 10"/4"
Monitoring Tube Diameter: 2" - 20 slot
Slotted Casing Interval: 265.9' - 255.9'
Elevation Top of Casing: 308.80'

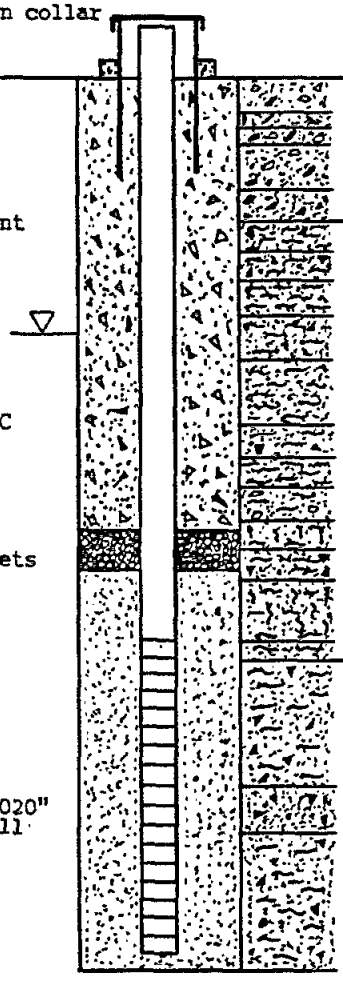
Elevation Ground Surface: 307.2'
SWL Elevation (3/17/88): 299.03'
Geologist: John N. Ward
Drilling Company: Empire Soils Investigations
Drilling Began: 2/3/88
Drilling Completed: 2/8/88

*Unified Soil Classification System
NA - Not Analyzed
B - Background
(307.2) elevation relative to mean sea level

AR300420

Havertown PCP Site
Project 86021
Monitoring Well CW-1I

Depth Below Ground Surface	Blow Counts	Field VOA Analysis (ppm)	Well Construction Information	USCS* Symbol	Description
0' (307.3)	BLANK DRILLED	NA	Locking cap 6" Steel protector casing Antipercolation collar	Fill Fill Fill Fill Fill	Moderate yellowish-brown to dusky yellowish-brown, fine to medium-grained SAND, fine cinders and wood fragments, weathered, moist to very moist, FILL.
6' (301.3)			Bentonite/cement slurry 10" diameter borehole	ML SM ML SM ML-SM SM ML ML-SM CL SM ?	Dark yellowish-orange to light Brown (5/6), very fine to fine-grained SILTY SAND, highly micaceous, highly weathered, little very coarse-grained sand, moist to very moist, evidence of foliation, micaceous saprolite.
12' (295.3)			2" ID Sch. 40 flush-joint PVC riser pipe		
			Bentonite pellets		
18' (289.3)			Grade 1 Morie sand pack	SM	Brownish-black, fine to medium-grained SILTY SAND, highly micaceous, highly weathered, little schist fragments, moist, foliation dipping 49°, very highly weathered biotite-muscovite schist saprolite.
24' (283.3)			2" ID Sch. 40 flush-joint 0.020" slotted PVC well screen	SP SM	
28.5' (278.8)					



Vertical Scale: 1" = 6'

Total Depth of Well: 28.0'
Bedrock Elevation: --
Borehole Diameter: 10"
Monitoring Tube Diameter: 2" - 20 slot
Slotted Casing Interval: 289.3' - 279.3'
Elevation Top of Casing: 308.82'

Elevation Ground Surface: 307.3'
SWL Elevation (3/17/88): 299.05'
Geologist: John N. Ward
Drilling Company: Empire Soils Investigations
Drilling Began: 2/10/88
Drilling Completed: 2/10/88

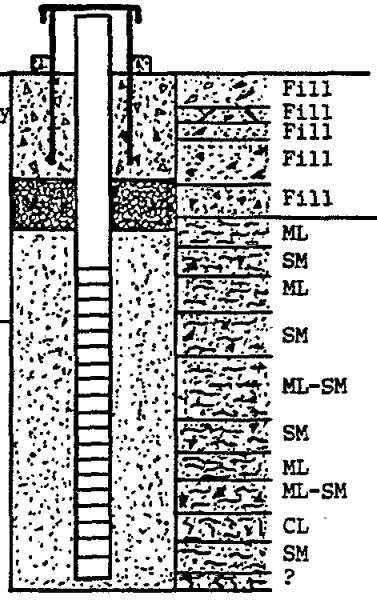
*Unified Soil Classification System
- Not Analyzed
(307.3) elevation relative to mean sea level

AR300421

r.e. wright associates, inc.

Havertown PCP Site
Project 86021
Monitoring Well CW-1S

Depth Below Ground Surface	Blow Counts	Field VOA Analysis (ppm)	Well Construction Information	USCS* Symbol	Description
0 (307.4)	BLANK DRILLED	NA	Locking cap; 6" ID steel protector pipe; Antipercolation collar; Bentonite/cement slurry; Bentonite pellets; 10" diameter borehole; 2" ID Sch. 40 flush-joint PVC well screen; Grade 1 Morie sand pack	Fill, Fill, Fill, Fill, Fill	Moderate yellowish-brown to dusky yellowish-brown, fine to medium-grained SAND, fine cinders and wood fragments, weathered, moist to very moist, FILL.
6' (301.4)				ML, SM, ML, SM, ML-SM, SM, ML, ML-SM, CL, SM, ?	Dark yellowish-orange to light brown (5/6), very fine to fine-grained SILTY SAND, highly micaceous, highly weathered, little very coarse-grained sand, moist to very moist, evidence of foliation, micaceous saprolite.
12' (295.4)					
16.2' (291.2)					



Vertical Scale: 1" = 6'

Total Depth of Well: 16.2'
Bedrock Elevation: --
Borehole Diameter: 10"
Monitoring Tube Diameter: 2" - 20 slot
Slotted Casing Interval: 301.2 - 291.2'
Elevation Top of Casing: 309.04'

Elevation Ground Surface: 307.4'
SWL Elevation (3/17/88): 299.48'
Geologist: John N. Ward
Drilling Company: Empire Soils Investigations
Drilling Began: 2/11/88
Drilling Completed: 2/11/88

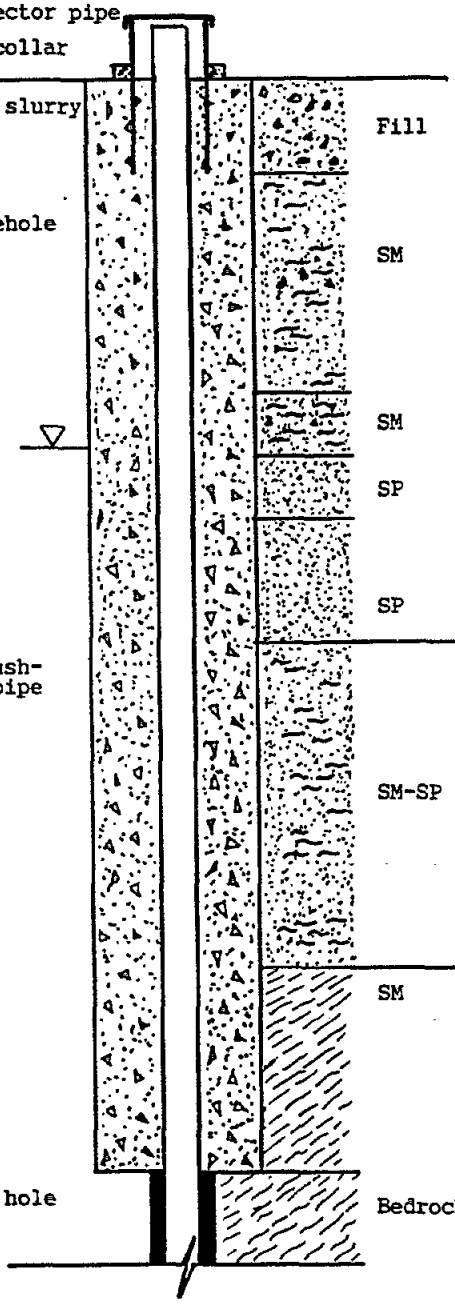
*Unified Soil Classification System
A - Not Analyzed
(307.4) elevation relative to mean sea level

AR300422

r.e. wright associates, inc.

Havertown PCP Site
Project 86021
Monitoring Well CW-2D

Depth Below Ground Surface	Blow Counts	Field VOA Analysis (ppm)	Well Construction Information	USCS* Symbol	Description
			Locking cap 6" ID steel protector pipe Antipercolation collar		
0' — (305.8)	10 11 10 50 15 8	B	Bentonite/cement slurry	Fill	Dark yellowish-brown to moderate reddish-brown, very fine-grained SILTY SAND, trace pebbles, cinders, and limestone fragments, moist to dry to moist, FILL.
	10 11 14 16 12 15	B	10" diameter borehole	SM	Light brown (5YR 5/4) to moderate brown, very fine-grained SILTY SAND, micaceous, highly weathered, little 1/2" highly weathered schist fragments, remnant highly weathered foliation dipping 20° between 9' and 10', moist to dry to moist, micaceous saprolite.
6' — (299.8)	8 16 16 18 10 17 25 27 18 25 33 28	3.5 10 2-3		SM	
12' — (293.8)	22 37 47 67 23 41 87 100/5" 32 45 100	B 4 B		SP SP	
18' — (287.8)	27 31 28 39 12 15 12 23 17 58 69 100/3"	11 B	2" ID Sch. 40 flush-joint PVC riser pipe	SM-SP	Light medium brown (5/6) and medium gray, fine to medium-grained SILTY SAND, highly micaceous, highly weathered, little biotite schist fragments, remnant foliation dipping 20°-50°, moist to very moist, biotite-muscovite schist saprolite.
24' — (281.8)	59 100/5" 20 50 38 69 19 35 100/6"	B B B		SM	Dark gray mottled dark yellowish-orange, severely weathered, highly broken, foliation dipping 50°, biotite-muscovite schist.
30' — (275.8)	10 100/6" 100/4" 100/1"	B B B	4" diameter core hole	Bedrock	Dark gray to brownish-black, moderately weathered, metamorpically deformed, foliation dipping 15°-30°, some soft weathered/broken zones, biotite-muscovite schist.
36' — (269.8) 38' — (267.8)	ROCK CORED	NA	Bentonite slurry		



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AR300423

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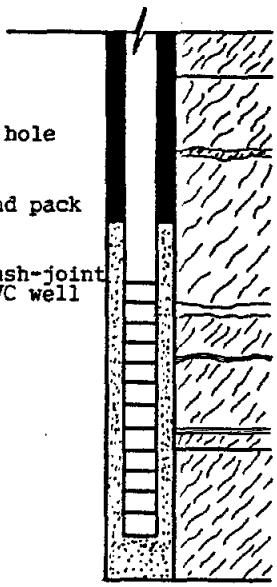
Havertown PCP Site
Project 86021
Monitoring Well CW-2D (cont'd)

Depth Below Ground Surface	Blow Counts	Field VOA Analysis (ppm)	Well Construction Information	USCS* Symbol	Description
38' (267.8)	ROCK		Bentonite slurry		Same as above.
42' (263.8)	CORED	NA	4" diameter core hole Grade 1 Morie sand pack 2" ID Sch. 40 flush-joint 0.020" slotted PVC well screen	Bedrock	Dark gray and very light gray, slightly weathered, highly fractured between 42'-50', 46.8'-47.2', and 48.5'-48.8', foliation dipping 25°-30°, biotite-muscovite schist.
48' (257.8)					
54' (251.8)				Bedrock	Dark gray and very light gray, slightly weathered, fractured, foliation dipping 30°-40°, pebbly quartz pods between ~50'-51', biotite-muscovite schist.
55.5' (250.3)					



Vertical Scale: 1" = 6'

Total Depth of Well: 54.1'
Bedrock Elevation: 275.9'
Borehole Diameter: 10"/4"
Monitoring Tube Diameter: 2" - 20 slot
Slotted Casing Interval: 259.8' - 251.7'
Elevation Top of Casing: 307.83'

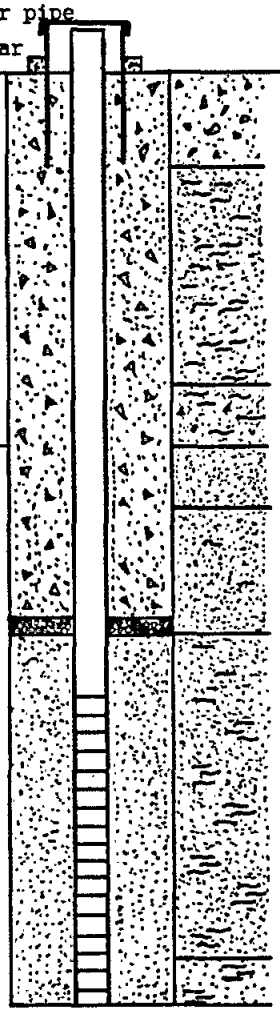
Elevation Ground Surface: 305.8'
SWL Elevation (3/17/88): 294.00'
Geologist: John N. Ward
Drilling Company: Empire Soils Investigations
Drilling Began: 1/20/88
Drilling Completed: 1/28/88

*Unified Soil Classification System
NA - Not Analyzed
B - Background
(305.8) elevation relative to mean sea level

AR300424

Havertown PCP Site
Project 86021
Monitoring Well CW-2I

Depth Below Ground Surface	Blow Counts	Field VOA Analysis (ppm)	Well Construction Information	USCS* Symbol	Description
0' (305.9)	BLANK DRILLED		Locking cap 6" ID steel protector pipe Antipercolation collar Bentonite/cement slurry	Fill	Dark yellowish-brown to moderate reddish-brown, very fine-grained SILTY SAND, trace pebbles, cinders and limestone fragments, moist to dry to moist, FILL.
6' (299.9)			10" diameter borehole 2" ID Sch. 40 flush-joint PVC riser pipe	SM	Light brown (5YR 5/4) to moderate brown, very fine-grained SILTY SAND, micaceous, highly weathered, little 1/2" highly weathered schist fragments, remnant highly weathered foliation dipping 20° between 9' and 10', moist to dry to moist, micaceous saprolite.
		NA		SM	
12' (293.9)				SP	
				SP	
18' (287.9)			Bentonite pellets Grade 1 Morie sand pack 2" ID Sch. 40 flush-joint 0.020" slotted PVC well screen	SM-SP	Light medium brown (5/6) and medium gray, fine to medium-grained SILTY SAND, highly micaceous, highly weathered, little biotite schist fragments, remnant dipping 20° to 50°, moist to very moist, biotite-muscovite schist saprolite.
24' (281.5)					
30' (275.9)				SM	



Vertical Scale: 1" = 6'

Total Depth of Well: 30'
Bedrock Elevation: 275.9'
Borehole Diameter: 10"
Monitoring Tube Diameter: 2" - 20 slot
Slotted Casing Interval: 285.9' - 275.9'
Elevation Top of Casing: 307.53'

Elevation Ground Surface: 305.9'
SWL Elevation (3/17/88): 293.95'
Geologist: John N. Ward
Drilling Company: Empire Soils Investigations
Drilling Began: 2/1/88
Drilling Completed: 2/1/88

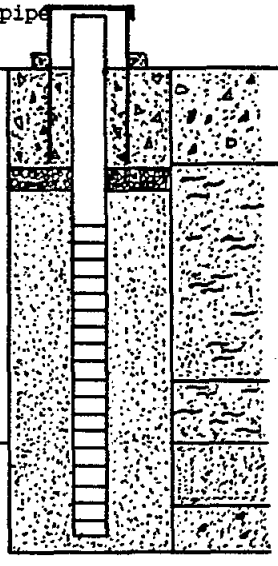
*Unified Soil Classification System
NA - Not Analyzed
(305.9) elevation relative to mean sea level

AR300425

r.e. wright associates, inc.

Havertown PCP Site
Project 86021
Monitoring Well CW-2S

Depth Below Ground Surface	Blow Counts	Field VOA Analysis (ppm)	Well Construction Information	USCS* Symbol	Description
0' (305.9)	BLANK		Locking cap 6" ID steel protector pipe Antipercolation collar Bentonite/cement slurry	Fill	Dark yellowish-brown to moderate reddish-brown, very fine-grained SILTY SAND, trace pebbles, cinders, and limestone fragments, moist to dry to moist, FILL.
6' (299.9)	DRILLED	NA	Bentonite pellets Grade 1 Morie sand pack	SM	Light brown (5YR 5/4) to moderate brown, very fine-grained SILTY SAND, micaceous, highly weathered, little 1/2" highly weathered schist fragments, remnant highly weathered foliation dipping 20° between 9' and 10', moist to dry to moist, micaceous saprolite.
			2" ID Sch. 40 flush-joint 0.020" slotted PVC well screen	SM	
12' (293.5)				SP	
15' (290.5)				SP	



Vertical Scale: 1" - 6'

Total Depth of Well: 15.0'
Bedrock Elevation: --
Borehole Diameter: 10"
Monitoring Tube Diameter: 2" - 20 slot
Slotted Casing Interval: 300.9' - 290.9'
Elevation Top of Casing: 307.35'

Elevation Ground Surface: 305.9'
SWL Elevation (3/17/88): 294.04'
Geologist: John N. Ward
Drilling Company: Empire Soils Investigations
Drilling Began: 2/2/88
Drilling Completed: 2/2/88

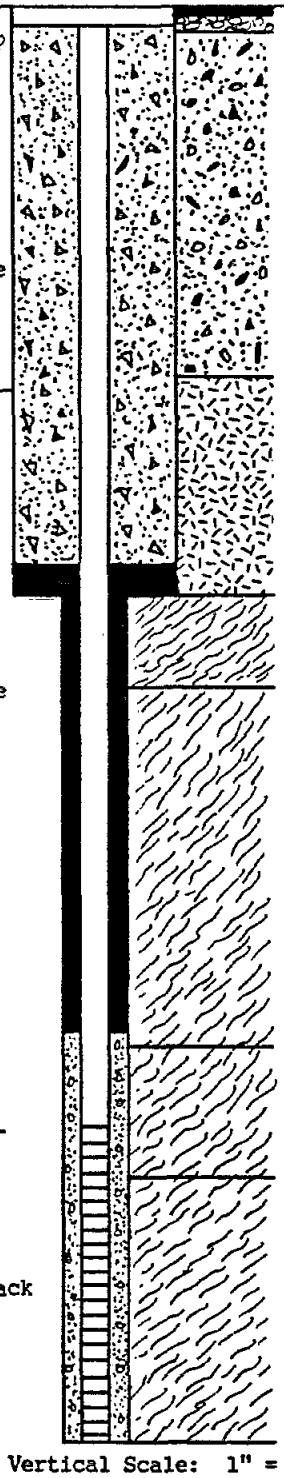
*Unified Soil Classification System
NA - Not Analyzed
(305.9) elevation relative to mean sea level

AR300426

r.e. wright associates, inc.

Havertown PCP Site
Project 86021
Monitoring Well CW-3D

Depth Below Ground Surface	Blow Counts	Field VOA Analysis (ppm)	Well Construction Information	USCS* Symbol	Description
0' (305.13)	A 100/3	B	Water-tight drive-over with locking cap	Asphalt subbase	Asphalt underlain by limestone subbase.
	A 6 5 6 8 7	B	Bentonite/cement slurry	Fill	Dusky brown, moderate brown and dark yellowish-brown, very fine to fine-grained silty sand and sandy silt. Trace to little clay and gravel. Fine cinders, wood and brick fragments. Weathered. Humid and moist. FILL.
6' (299.13)	A 5 5 9 4 5	B	2" ID Sch. 40 flush-joint PVC riser pipe		
	57 21 100 100/0	B	10" diameter borehole		
	A A 76 100/3	0.6			
12' (293.13)	A A 50 100/4	B		SW-SP	Dark grayish-brown, fine to medium-grained silty sand. Highly micaceous. Highly weathered. Little biotite schist fragments. Moist. Remnant foliation dipping 40°. White clay-like veins. Biotite schist saprolite.
	A A 100 100/1	B			
	A A 100/4	B			
18' (287.13)	A A 100 100/0	B		SW-SG Weathered Bedrock	Dark grayish-brown, very highly weathered biotite schist. Sand-filled seams.
	A	B			
	ROCK	B	4" diameter core hole		
24' (281.13)	CORED	B	Bentonite slurry	Bedrock	Grayish-black, highly weathered biotite gneiss. Trace muscovite. Many iron and manganese-stained fracture surfaces. Foliations exhibit 50°-80° dips. Trace weathered garnets. Schistosic in spots. Rock deformed.
30' (275.13)	ROCK	B			
	CORED			Bedrock	White to light gray quartz/feldspar pegmatite. Very coarsely crystalline. Biotite stringers. Highly weathered in spots.
36' (269.13)		B	2" ID Sch. 40 flush-joint 0.020" slotted PVC well screen		Grayish-black biotite gneiss as above.
			Grade 1 Morie sand pack	Bedrock	
42' (263.13)		B			
46' (259.13)					



Vertical Scale: 1" = 6'

Total Depth of Well: 46'
Bedrock Elevation: 285.13'
Borehole Diameter: 10" to 19'/4" from 19'-46'
Monitoring Tube Diameter: 2" - 20 slot
Slotted Casing Interval: 269.13' - 259.13'
Elevation Top of Casing: 304.73'
*Unified Soil Classification System
B-Background

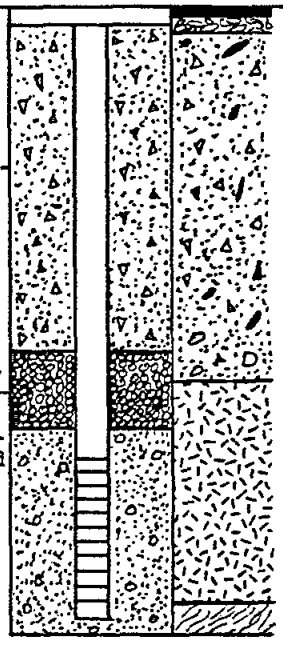
AR300427

Elevation Ground Surface: 305.13'
SWL Elevation (3/17/88): 292.78'
Geologist: Jeffrey S. Thompson
Drilling Company: Empire Soils Investigation
Drilling Began: 2/9/88
Drillnig Completed: 2/11/88
(305.13) elevation relative to mean sea level

r.e. wright associates, inc.

Havertown PCP Site
Project 86021
Monitoring Well CW-3I

Depth Below Ground Surface	Blow Counts	Field VOA Analysis (ppm)	Well Construction Information	USCS* Symbol	Description
0' (305.06)	BLANK DRILLED	B	Water-tight drive-over with locking cap	Asphalt subbase	Asphalt underlain by limestone subbase.
		B	Bentonite/cement slurry	Fill	Dusky brown, moderate brown, and dark yellowish-brown, very fine to fine-grained silty sand and sandy silt. Trace to little clay and gravel. Fine cinders, wood and brick fragments. Weathered. Humid to moist. FILL.
6' (299.06)		B	2" ID Sch. 40 flush-joint PVC riser pipe		
		B	10" diameter borehole		
12' (293.06)		B	Bentonite pellets		
		B	2" ID Sch. 40 flush-joint 0.020" slotted PVC well screen	SW-SP	Dark grayish-brown, fine to medium-grained silty sand. Highly weathered. Little biotite schist fragments. Moist. Remnant foliation dipping 40°. White clay-like veins. Biotite schist saprolite.
18' (287.06)		B	Grade 1 Morie sand pack		
20' (285.06)		B		SW-GW	Dark grayish-brown to grayish-black, highly weathered biotite schist.



Vertical Scale: 1" = 6'

Total Depth of Well: 20'
Bedrock Elevation: 285.06'
Borehole Diameter: 10"
Monitoring Tube Diameter: 2" - 20 slot
Slotted Casing Interval: 290.56' - 285.56'
Elevation Top of Casing: 304.49'

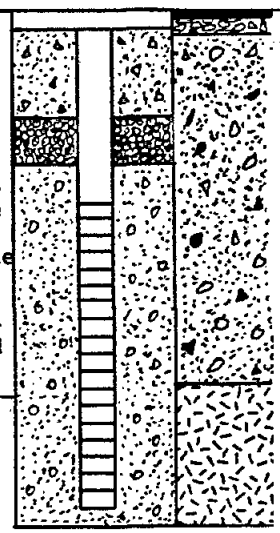
Elevation Ground Surface: 305.06'
SWL Elevation (3/17/88): 292.81'
Geologist: Jeffrey S. Thompson
Drilling Company: Empire Soils Investigations
Drilling Began: 2/15/88
Drilling Completed: 2/15/88

*Unified Soil Classification System
B - Background
(305.06) elevation relative to mean sea level

AR300428

Havertown PCP Site
Project 86021
Monitoring Well CW-3S

Depth Below Ground Surface	Blow Counts	Field VOA Analysis (ppm)	Well Construction Information	USCS* Symbol	Description
0' — (304.99)	BLANK DRILLED	B	Water-tight drive-over with locking cap	Asphalt subbase	Asphalt underlain by limestone subbase.
		B	Bentonite/cement slurry		Dusky brown, moderate brown and dark yellowish-brown, very fine to fine-grained silty sand and sandy silt. Trace to little clay and gravel. Fine cinders, wood and brick fragments. Weathered. Humid to moist. FILL.
			Bentonite pellets		
6' — (298.99)		B	2" ID Sch. 40 flush-joint PVC riser pipe	Fill	
			10" diameter borehole		
		B			
			2" ID Sch. 40 flush-joint 0.020" slotted PVC well screen		
12' — (292.99)		B			Dark grayish-brown, fine to medium-grained silty sand. Highly micaceous. Highly weathered. Little biotite schist fragments. Moist. Remnant foliation dipping 40°. White clay-like veins. Biotite schist saprolite.
			Grade 1 Morie sand pack	SW-SP	
		B			
.5' — (288.49)					



Vertical Scale: 1" = 6'

Total Depth of Well: 16.5'
Bedrock Elevation: --
Borehole Diameter: 10"
Monitoring Tube Diameter: 2" - 20 slot
Slotted Casing Interval: 298.99' - 288.99'
Elevation Top of Casing: 304.7'

Elevation Ground Surface: 304.99'
SWL Elevation (3/17/88): 292.7'
Geologist: Jeffrey S. Thompson
Drilling Company: Empire Soils Investigations
Drilling Began: 2/15/88
Drilling Completed: 2/16/88

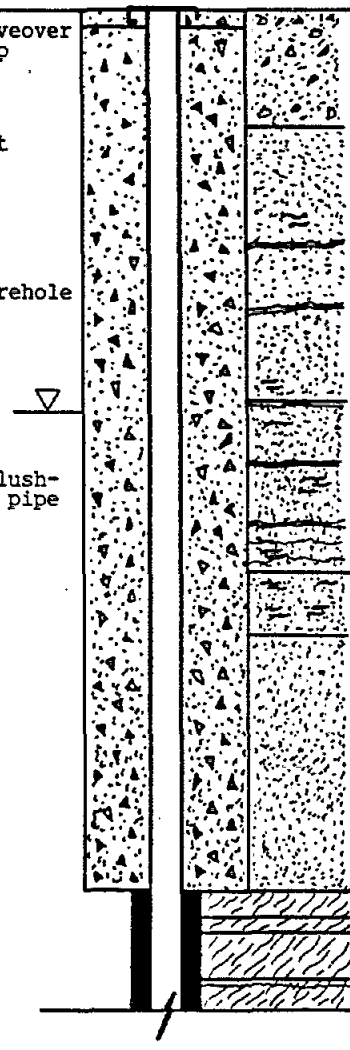
*Unified Soil Classification System
B - Background
(304.99) elevation relative to mean sea level

AR300429

r.e. wright associates, inc.

Havertown PCP Site
Project 86021
Monitoring Well CW-4D

Depth Below Ground Surface	Blow Counts	Field VOA Analysis (ppm)	Well Construction Information	USCS* Symbol	Description
0' — (305.6)	6, 5, 5, 5, 4, 7, 3, 3	B	Water-tight driveover with locking cap	Fill	Moderate yellowish-brown to dark yellowish-brown, fine to medium-grained SAND, weathered, highly micaceous, little cinders, trace schist fragments, moist, fill.
	6, 12, 14, 20	B	Bentonite/cement slurry		
6' — (299.6)	15, 18, 18, 20	B			Olive gray and dark gray, very fine to medium-grained SAND, micaceous, highly weathered, trace quartz/feldspar veins, foliation abundant and dipping 40°-50°, moist to saturated, micaceous saprolite.
	16, 20, 18, 20, 19	B	10" diameter borehole	SP	
	18, 18, 22	B			
12' — (293.6)	8, 9, 18, 23	B			
	8, 16, 24, 30	B	2" ID Sch. 40 flush-joint PVC riser pipe		
	14, 18, 20	B			
18' — (287.6)	20, 10, 26, 26, 29	1.5		SP-SM	Grayish-brown to dark yellowish brown, very fine to medium-grained SAND, trace of silt, trace manganese-coated fractures, highly weathered, foliation present only from 26'-28' dipping 30°, saturated, biotite-muscovite schist(?) saprolite.
	9, 14, 16, 28	B			
	10, 13, 19, 24	B		SP	
24' — (281.6)	14, 21, 30, 40	B			
	14, 78, 100/3"	B			
30' — (275.6)	ROCK			Bedrock	Olive gray to medium gray, heavily broken, moderately weathered, foliation dipping 30°, biotite-quartz-feldspar gneiss.
32' — (273.6)	CORED				



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AR300430

Havertown PCP Site
Project 86021
Monitoring Well CW-4D (cont'd)

Depth Below Ground Surface	Blow Counts	Field VOA Analysis (ppm)	Well Construction Information	USCS* Symbol	Description
32' (273.6)	ROCK CORED	NA	Bentonite slurry	Bedrock	Olive gray to medium gray, heavily broken, moderately, weathered, foliation dipping 30°, biotite-quartz-feldspar gneiss.
36' (269.6)			Grade 1 Morie sand pack		
42' (263.6)			2" ID Sch. 40 flush-joint 0.020" slotted PVC well screen	Pegmatite	White, hard, very slightly weathered, quartz, feldspar, biotite, pegmatite.
				Bedrock	Medium gray and black, hard, slightly weathered, biotite-quartz-feldspar gneiss.
				Pegmatite	White and dark yellowish-orange, hard, slightly weathered, quartz, feldspar, biotite pegmatite.
48' (257.6)				Bedrock	Medium gray and black, foliation dipping 30°, biotite-quartz-feldspar gneiss, as above.
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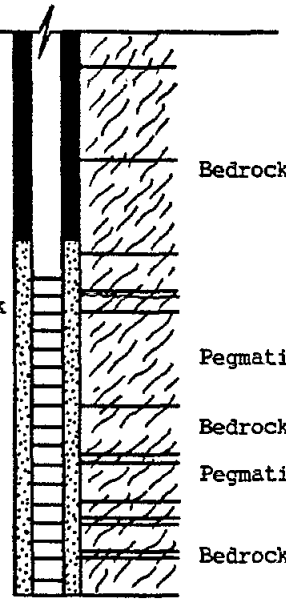


Vertical Scale: 1" = 6'

Total Depth of Well: 50'
Bedrock Elevation: 277.6'
Borehole Diameter: 10"/4"
Monitoring Tube Diameter: 2" - 20 slot
Slotted Casing Interval: 265.6' - 255.6'
Elevation Top of Casing: 305.66'

Elevation Ground Surface: 305.6'
SWL Elevation (3/17/88): 292.74'
Drilling Company: Empire Soils Investigations
Drilling Began: 2/22/88
Drilling Completed: 2/24/88
Geologist: John N. Ward

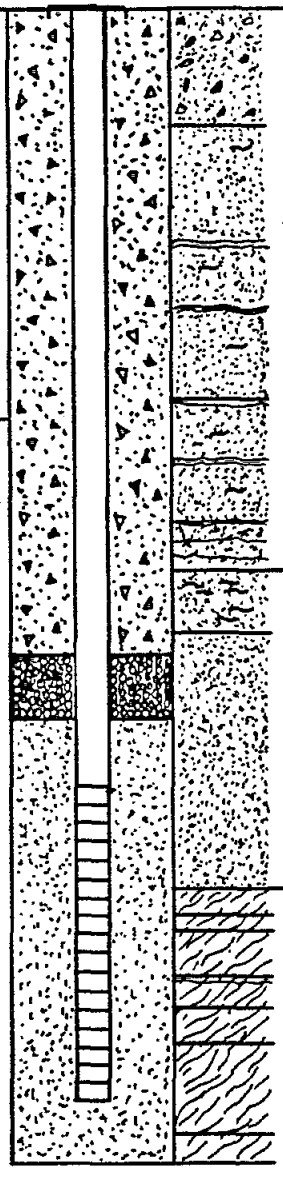
*Unified Soil Classification System
A - Not Analyzed
- Background

(305.6) elevation relative to mean sea level

AR300431

Havertown PCP Site
Project 86021
Monitoring Well CW-4I

Depth Below Ground Surface	Blow Counts	Field VOA Analysis (ppm)	Well Construction Information	USCS* Symbol	Description
0' (305.7)	BLANK		Water-tight driveover with locking cap	Fill	Moderate yellowish-brown to dark yellowish-brown, fine to medium-grained SAND, weathered, highly micaceous, little cinders, trace schist fragments, moist, fill.
			Bentonite/cement slurry		
6' (299.7)	DRILLED		10" diameter borehole	SP	Olive gray and dark gray, very fine to medium-grained SAND, micaceous, highly weathered, trace quartz/feldspar veins, foliation abundant and dipping 40°-50°, moist to saturated, micaceous saprolite.
		NA	2" ID Sch. 40 flush-joint PVC riser pipe		
12' (293.7)					
18' (287.7)				SP-SM	Grayish-brown to dark yellowish brown, very fine to medium-grained SAND, trace of silt, trace manganese-coated fractures, highly weathered, foliation present only from 26'-28' dipping 30°, saturated, biotite-muscovite schist(?) saprolite.
			Bentonite pellets		
24' (281.7)			Grade 1 Morie sand pack	SP	
			2" ID Sch. 40 flush-joint 0.020" slotted PVC well screen		
30' (275.7)				Bedrock	Olive gray to medium gray, heavily broken, moderately weathered, foliation dipping 30°, biotite-quartz-feldspar gneiss.
(269.7) 36'					
37' (268.7)					



Vertical Scale: 1" = 6'

Total Depth: 35'
Bedrock Elevation: 277.6'
Borehole Diameter: 10"
Monitoring Tube Diameter: 2" - 20 slot
Slotted Casing Interval: 280.7' - 270.7'
Elevation Top of Casing: 305.77'
*Unified Soil Classifiation System
NA - Not Analyzed
B - Background

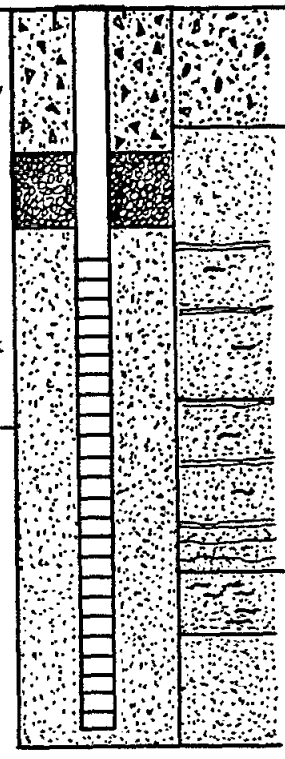
AR300437

Elevation Ground Surface: 305.7'
SWL Elevation (3/17/88): 292.59'
Geologist: John N. Ward
Drilling Company: Empire Soils Investigations
Drilling Began: 2/24/88
Drilling Completed: 2/24/88
(305.7) elevation relative to mean sea level

r.e. wright associates, inc.

Havertown PCP Site
Project 86021
Monitoring Well CW-4S

Depth Below Ground Surface	Blow Counts	Field VOA Analysis (ppm)	Well Construction Information	USCS* Symbol	Description
0' (305.9)	BLANK DRILLED		Water-tight driveover with locking cap Bentonite/cement slurry	Fill	Moderate yellowish-brown to dark yellowish-brown, fine to medium-grained SAND, weathered, highly micaceous, little cinders, trace schist fragments, moist, fill.
6' (299.9)		NA	Bentonite pellets 2" ID Sch. 40 flush-joint PVC riser pipe Grade 1 Morie sand pack	SP	Olive gray and dark gray, very fine to medium-grained SAND, micaceous, highly weathered, trace quartz/feldspar veins, foliation abundant and dipping 40°-50°, moist to saturated, micaceous saprolite.
12' (293.9)			2" ID Sch. 40 flush-joint 0.020" slotted PVC well screen		
18' (287.9)				SP-SM SP	Grayish-brown to dark yellowish-brown, very fine to medium-grained SAND, trace of silt, trace manganese-coated fractures, highly weathered, foliation present only from 26-28', dipping 30°, saturated, biotite-muscovite schist(?) saprolite.
23.5' (282.4)			10" diameter borehole		



Vertical Scale: 1" = 6'

Total Depth of Well: 23'
Bedrock Elevation: --
Borehole Diameter: 10"
Monitoring Tube Diameter: 2" - 20 slot
Slotted Casing Interval: 297.9' - 282.9'
Elevation Top of Casing: 305.90'

Elevation Ground Surface: 305.9'
SWL Elevation (3/17/88): 292.55'
Geologist: John N. Ward
Drilling Company: Empire Soils Investigations
Drilling Began: 2/25/88
Drilling Completed: 2/25/88

*Unified Soil Classification System
A - Not Analyzed
B - Background

(305.9) elevation relative to mean sea level

AR300433

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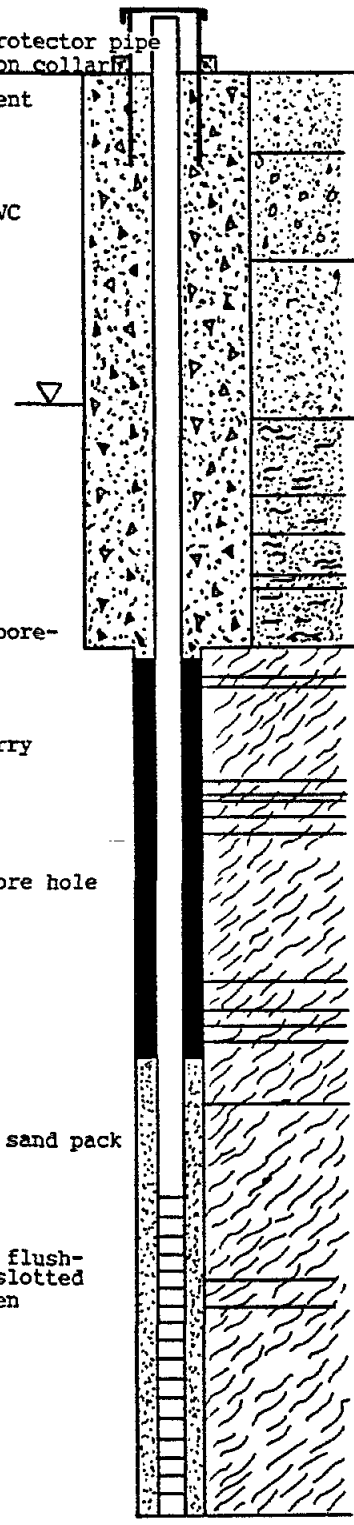
Havertown PCP Site
Project 86021
Monitoring Well CW-5D

Depth Below Ground Surface	Blow Counts	Field VOA Analysis (ppm)	Well Construction Information	USCS* Symbol	Description
			Locking cap 6" ID steel protector pipe Antipercolation collar		
0' (302.9)	5, 8, 5, 6, 4, 3, 3, 7, 4, 4, 3, 4	B	Bentonite/cement slurry	Fill	Moderate dark yellowish-brown to dark yellowish-brown, fine to medium-grained SAND, slightly silty, slightly micaceous, trace pebbles and rock fragments, moist to very moist, FILL.
		B	2" ID Sch. 40 flush-joint PVC riser pipe	Fill	
6' (296.9)	3, 4, 5, 6, 4, 4, 7	B		SP	Moderate yellowish-brown to moderate brown, very fine to fine-grained SAND, highly micaceous, trace rootlets, remnant fractures, moist to saturated, micaceous saprolite.
	18, 28, 8, 4, 4	B			
12' (290.9)	18, 43, 51, 25, 12, 80, 100/6"	OVA LOST		SM	Medium bluish-gray to dark gray to moderate brown, fine to medium-grained SILTY SAND, oil saturated from 11'-14.5', trace rock fragments, biotite-muscovite schist (?) saprolite.
	22, 100/6"			SM	
	45, 48, 100/4"			SM	
18' (284.9)		POWER	10" diameter bore-hole		Olive black to medium gray, moderately severe weathering, biotite-quartz-feldspar gneiss.
	ROCK		Bentonite slurry	Bedrock	
24' (278.9)	CORED			Heavily broken zone	
			4" diameter core hole	Bedrock	Same as above.
30' (272.9)				Heavily broken zone	
			Grade 1 Morie sand pack		
36' (266.9)				Bedrock	Same as above.
			2" ID Sch. 40 flush-joint 0.020" slotted PVC well screen	heavily broken zone	
42' (260.9)					Same as above.
46' (256.9)					



Vertical Scale: 1" = 6'

AR300434

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Havertown PCP Site
Project 86021
Monitoring Well CW-5D (cont'd)

Total Depth of Well: 46'
Bedrock Elevation: 284.6'
Borehole Diameter: 4"
Monitoring Tube Diameter: 2" - 20 slot
Slotted Casing Interval: 266.9' - 256.9'
Elevation Top of Casing: 304.65'

Elevation Ground Surface: 302.9'
SWL Elevation (3/12/88): 292.31'
Geologist: John Ward/Steve Rowley
Drilling Company: Empire Soils Investigations
Drilling Began: 2/15/88
Drilling Completed: 2/17/88

*Unified Soil Classification System
NA - Not Analyzed
B - Background
(302.9) elevation relative to mean sea level

AR300435

Havertown PCP Site
Project 86021
Monitoring Well CW-5I

Depth Below Ground Surface	Blow Counts	Field VOA Analysis (ppm)	Well Construction Information	USCS* Symbol	Description
			Locking cap		
			6" ID steel protector pipe		
			Antipercolation collar		
0' (303.0)	BLANK		Bentonite/cement slurry	Fill	Moderate dark yellowish-brown to dark yellowish-brown, fine to medium-grained SAND, slightly silty, slightly micaceous, trace pebbles and rock fragments, moist to very moist, FILL.
			10" diameter borehole	Fill	
6' (297.0)	DRILLED	NA	2" ID Sch. 40 flush-joint PVC riser pipe	SP	Moderate yellowish-brown to moderate brown, very fine to fine-grained SAND, highly micaceous, trace rootlets, remnant fractures, moist to saturated, micaceous saprolite.
12' (291.0)				SM, SM, SM, SM, SM	Medium bluish-gray to dark gray to moderate brown, fine to medium-grained SILTY SAND, oil saturated from 11'-14.5', trace rock fragments, biotite-muscovite schist (?) saprolite.
18' (285.0)			Bentonite pellets		
			Grade 1 Morie sand pack	Bedrock	Olive black to medium gray, moderately severe weathering biotite-quartz-feldspar gneiss.
				Heavily broken zone	
24' (279.0)	ROCK CORED		2" ID Sch. 40 flush-joint 0.020" slotted PVC well screen	Bedrock	Same as above.
(273.0) 30'			4" diameter core hole	Heavily broken zone	
31' (272.0)					

Vertical Scale: 1" = 6'

Total Depth of Well: 31'
Bedrock Elevation: 284.6'
Borehole Diameter: 10"/4"
Monitoring Tube Diameter: 2" - 20 slot
Slotted Casing Interval: 282' - 272'
Elevation Top of Casing: 304.55'

Elevation Ground Surface: 303.0'
SWL Elevation (3/17/88): 292.41'
Geologist: John N. Ward
Drilling Company: Empire Soils Investigations
Drilling Began: 2/17/88
Drilling Completed: 2/18/88

*Unified Soil Classification System
NA - Not Analyzed
(303.0) elevation relative to mean sea level

AR300436

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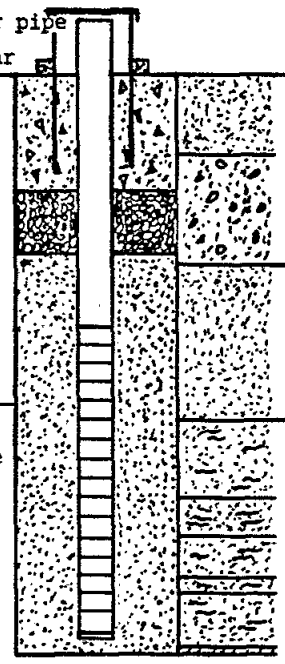
Havertown PCP Site
Project 86021
Monitoring Well CW-5S

Depth Below Ground Surface	Blow Counts	Field VOA Analysis (ppm)	Well Construction Information	USCS* Symbol	Description
			Locking cap		
			6" ID steel protector pipe		
			Antipercolation collar		
0' (303.3)	BLANK DRILLED		Bentonite/cement slurry	Fill	Moderate dark yellowish-brown to dark yellowish-brown, fine to medium-grained SAND, slightly silty, slightly micaceous, trace pebbles and rock fragments, moist to very moist, FILL.
			Bentonite pellets	Fill	
6' (297.3)		NA	2" ID Sch. 40 flush-joint PVC riser pipe	SP	Moderate yellowish-brown to moderate brown, very fine to fine-grained SAND, highly micaceous, trace rootlets, remnant fractures, moist to saturated, micaceous saprolite.
			Grade 1 Morie sand pack		
12' (291.3)			10" diameter borehole	SM	Medium bluish-gray to dark gray to moderate brown, fine to medium-grained SILTY SAND, oil saturated from 11'-14.5', trace rock fragments, biotite-muscovite schist (?) saprolite.
				SM	
				SM	
				SM	
			2" ID Sch. 40 flush-joint 0.020" slotted PVC well screen	SM	
[illegible].5' (284.8)					



Vertical Scale: 1" = 6'

Total Depth of Well: 18'
Bedrock Elevation: --
Borehole Diameter: 10"
Monitoring Tube Diameter: 2" - 20 slot
Slotted Casing Interval: 295.3' - 285.3'
Elevation Top of Casing: 304.58'

Elevation Ground Surface: 303.3'
SWL Elevation (3/17/88): 292.58'
Geologist: John Ward/Steve Rowley
Drilling Company: Empire Soils Investigations
Drilling Began: 2/18/88
Drilling Completed: 2/18/88

*Unified Soil Classification System
NA - Not Analyzed
(303.3) elevation relative to mean sea level

AR300437

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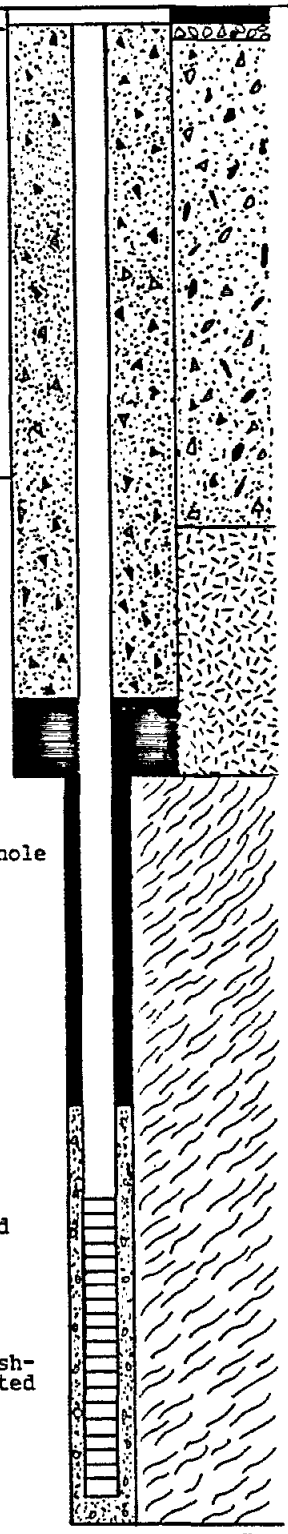
Havertown PCP Site
Project 86021
Monitoring Well CW-6D

Depth Below Ground Surface	Blow Counts	Field VOA Analysis (ppm)	Well Construction Information	USCS* Symbol	Description
0' — (301.34)	A A 13 16 13 10	B	Water-tight drive-over with locking cap	Asphalt subbase	Asphalt underlain by limestone subbase.
	3 3 3 3 3 3	B	Bentonite/cement slurry		Dusky brown, yellowish-brown, olive gray and brownish-black, very fine to medium-grained sand with little silt, trace to some clay, and trace to little gravel. Moist to very moist. Cinders and wood fragments present. FILL.
6' — (295.34)	5 4 5 3 3 4	B	2" ID Sch. 40 flush-joint PVC riser pipe	Fill	
	5 3 4 4 4 5	B	10" diameter borehole		
12' — (289.34)	4 2 3	B			
	21 17 6 11	B			
	7 8 10	B		SP	
18' — (283.34)	7 9 7 16	B		SM	Dark yellowish-orange, medium dark gray and brownish-gray, fine to medium grained, highly micaceous sand. Highly weathered. Little to some angular schist gravel. Faint remnant foliation. Micaceous saprolite to biotite schist saprolite.
	21 32 21 16 48	B		SM	
	100 100/3 100/3	B	Bentonite slurry	SM	
24' — (277.34)	A				
	ROCK CORED	B	4" diameter core hole	Bedrock	Silvery grayish-black biotite gneiss. Rock is schistosic in spots. Highly broken to 29' with many iron and manganese stained fractures. High angle breaks and folations (30°-60°). Trace highly weathered garnets. Quartz/feldspar veins and pods. Many micaceous sand seams to 30'.
30' — (271.34)		B			
36' — (264.34)	ROCK CORED	B	Grade 1 Morie sand pack		
42' — (259.34)		B	2" ID Sch. 40 flush-joint 0.020" slotted PVC well screen		
(253.34) 48' — 48.5' (252.84)					



Vertical Scale: 1" = 6'

AR300438

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Havertown PCP Site
Project 86021
Monitoring Well CW-6D (cont'd)

Total Depth of Well: 48.5'
Bedrock Elevation: 276.84'
Borehole Diameter: 10" to 24.5'/4" from 24.5' to 48.5'
Monitoring Tube Diameter: 2" - 20 slot
Slotted Casing Interval: 263.84' - 253.84'
Elevation Top of Casing: 301.34'

Elevation Ground Surface: 301.34'
SWL Elevation (3/17/88): 286.2'
Geologist: Steve Rowley/Jeffrey Thompson
Drilling Company: Empire Soils Investigations
Drilling Began: 2/17/88
Drilling Completed: 2/18/88

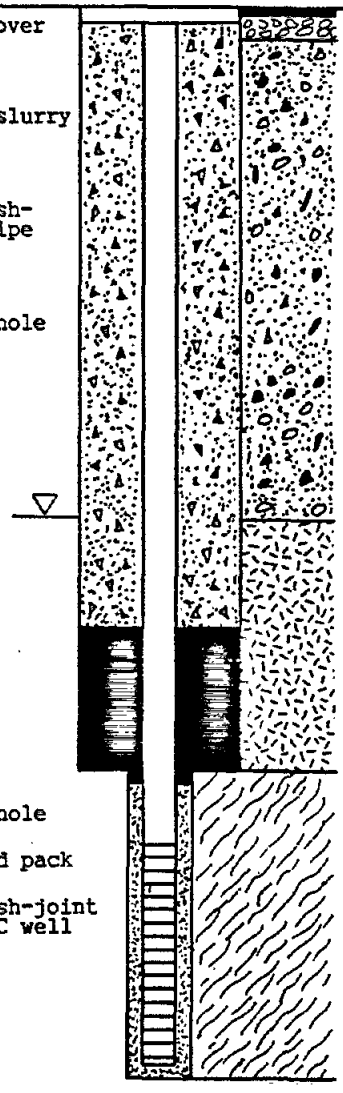
*Unified Soil Classification System
B - Background

(301.34) elevation relative to mean sea level

AR300439

Havertown PCP Site
Project 86021
Monitoring Well CW-6I

Depth Below Ground surface	Blow Counts	Field VOA Analysis (ppm)	Well Construction Information	USCS* Symbol	Description
0' (301.2)	BLANK	B	Water-tight driveover with locking cap	Asphalt subbase	Asphalt underlain by limestone subbase.
		B			Dusky brown, yellowish-brown, olive gray and brownish-black, very fine to medium-grained sand with little silt, trace to some clay, and trace to little gravel. Moist to very moist. Cinders and wood fragments present. FILL.
			Bentonite/cement slurry		
	DRILLED	B			
6' (295.2)		B	2" ID Sch. 40 flush-joint PVC riser pipe	Fill	
		B			
			10" diameter borehole		
		B			
12' (289.2)		B			
		B			
		B			
18' (283.2)	BLANK	B		SP	Dark yellowish-orange, medium dark gray and brownish-gray, fine to medium-grained, highly micaceous sand. Highly weathered. Little to some angular schist gravel. Faint remnant foliation. Micaceous saprolite to biotite schist saprolite.
		B		SM	
			Bentonite slurry	SM	
	DRILLED	B		SM	
24' (277.2)		B		SM	
			4" diameter core hole		Silvery grayish-black biotite gneiss. Rock is schistosic in spots. Highly broken and weathered to 32' with much iron and manganese staining. High angle breaks and foliations (30°-60°). Many micaceous sand filled seams.
		B	Grade 1 Morie sand pack		
30' (271.2)			2" ID Sch. 40 flush-joint 0.020" slotted PVC well screen		
34.5' (266.7)					



Vertical Scale: 1" = 6'

Total Depth of Well: 34.5'
Bedrock Elevation: 276.7'
Borehole Diameter: 10" to 24.5'/4" from 24.5' to 34.5'
Monitoring Tube Diameter: 2" - 20 slot
Slotted Casing Interval: 274.2' - 267.2'
Elevation Top of Casing: 301.2'

Elevation Ground Surface: 301.2'
SWL Elevation (3/17/88): 284.83'
Geologist: Jeffrey S. Thompson
Drilling Company: Empire Soils Investigations
Drilling Began: 2/19/88
Drilling Completed: 2/22/88

AR300440

*Unified Soil Classification System
B - Background
(301.2) elevation relative to mean sea level

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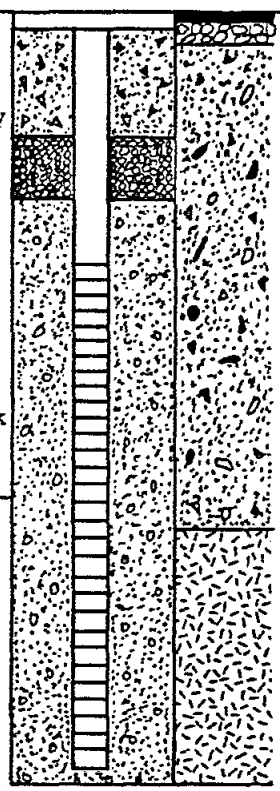
Havertown PCP Site
Project 86021
Monitoring Well CW-6S

Depth Below Ground Surface	Blow Counts	Field VOA Analysis (ppm)	Well Construction Information	USCS* Symbol	Description
0' — (301.1)	BLANK DRILLED	B	Water-tight driveover with locking cap	Asphalt subbase	Asphalt underlain by limestone subbase.
			Bentonite/cement slurry		Dusky brown, yellowish-brown, olive gray and brownish-black, very fine to medium-grained sand with little silt, trace to some clay, and trace to little gravel. Moist to very moist. Cinders and wood fragments present. FILL.
		B	Bentonite pellets		
6' — (295.1)			2" ID Sch. 40 flush-joint PVC riser pipe	Fill	
			10" diameter borehole		
12' — (289.1)	BLANK DRILLED	B	Grade 1 Morie sand pack		
			2" ID Sch. 40 flush-joint 0.020" slotted PVC well screen	SP	Dark yellowish-orange, medium dark gray and brownish-gray, fine to medium-grained, highly micaceous sand. Highly weathered, little to some angular schist gravel, faint remnant foliation, micaceous saprolite to biotite schist saprolite.
18' — (283.1)		B		SM	
				SM	
				SM	
				SM	
(277.1) 24' — 24.5' — (276.6)		B			



Vertical Scale: 1" = 6'

Total Depth of Well: 24.5'
Bedrock Elevation: --
Borehole Diameter: 10"
Monitoring Tube Diameter: 2" - 20 slot
Slotted Casing Interval: 293.1' - 277.1'
Elevation Top of Casing: 301.1'

Elevation Ground Surface: 301.1'
SWL Elevation (3/17/88): 285.46'
Geologist: Jeffrey S. Thompson
Drilling Company: Empire Soils Investigations
Drilling Began: 2/22/88
Drilling Completed: 2/22/88

*Unified Soil Classification Systems
B - Background
(301.1) elevation relative to mean sea level

AR300441

r.e. wright associates, inc.

FIELD OPERATIONS REPORT

REWAI

Project No. 86021

Page 1 of 3

Total Depth	51'4"
Depth to S.S. Refusal	26'11"
Depth to Competent Bedrock	28.8'
SWL (Date)	3/17/88 299.03'
Screened Interval	41'4"-51'4"
Hole Diameter	4.0"
Monitoring Tube	2" ID PVC
Elev., Ground Surface	307.2'
Well No.	CW-1D
Driller	Empire (Scott Breeds)
Logged by	John Ward
Drilling Began	2-3-88
Drilling Completed	2-8-88
Well Const. Completed	2-10-88
Development Completed	NA
Elev., T.O.C.	308.80'

Depth	Blows/6"	VOA (ppm)	Recovery in/Ft	Sample No. Run No.	Sample Description (USCS), GRN Size, Color, Shape texture, moistness, etc.	% Grn. Size C	S	Sd	Gr	Other Notes	Graphic Lith.	Well Const.
0	4, 5, 44, 15	1	1.2'/2'	1	moist pale yellowish brown fine to medium sand and limestone/quartzite pebbles. Fill.					Fill		
					dry to moist dusky brown fine to medium sand and wood fragments (from RR Tie ?). Fill					Fill		
					dry to moist medium light gray to medium dark gray fine cinders and "massive" schist fragments w/ muscovite flakes. 42 ppm in hole					Fill		
	4, 7, 7	Bkgd	1'/2'	2	moist to v. moist highly micaceous vf-f sand, moderate yellow brown to moderate yellowish brown, weathered.					Fill (SP)		
	10, 6				moist dusky yellow brown fine to medium sand and 1/4" to 1 1/4" rock fragments.	130 ppm at top of augers				Fill (SP)		
	4, 6	3	18"/2'	3	very moist dark yellowish orange micaceous very fine sandy silt, little very coarse sand, pale yellowish orange color also. saprolite, highly weathered					ML saprolite		
	10, 5				very moist highly micaceous light brown (5/6) silty very fine to fine sand with little highly weathered schist fragments.					SM saprolite		
	7, 11	5	16"/2'	4	moist pale yellowish orange to dark yellowish orange coarse sandy silt. weathered saprolite; little to some muscovite.					ML saprolite		
	15, 8, 9	1	14"/2'	5	moist to very moist highly micaceous light brown (5/6) silty very fine to fine sand. very weathered with evidence of foliation. highly weathered schist fragments (trace to little).					SM saprolite		
	6, 9, 4', 15	Bkgd	20"/2'	6	moist pale yellowish orange to dark yellowish orange coarse sandy silt. weathered saprolite. evidence of foliation, very weathered. } very moist, becoming sandier (some c-vc sand).					ML-SM saprolite		
	70, 56				moist dark yellowish orange to light brown (5/6) highly weathered muscovite schist, some very fine to fine silty sand; and little rock fragments. foliation	50 ppm in augers at 10' dipping		35°	40°	SM saprolite		
	14, 16	1	16"/2'	7	very moist pale yellowish orange to dark yellowish orange coarse sandy silt. weathered saprolite. with very pale orange color (little); with biotite.					ML		
	12, 12				moist to very moist highly micaceous silt and very fine to fine sand; little competent but weathered schist fragments. grayish orange					ML-SM saprolite		
4	7, 13	OVA - Batteries Dead	20"/2'	8	moist soft white silty clay, some very coarse sand; mottled (4/2) moderate yellowish orange.					CL saprolite		
	27, 100/5½"				moist highly micaceous silty sand. foliation not measureable, (sand - very fine to fine); little weathered schist fragments. dark yellowish orange					SM saprolite		
	30, 90, 100/2"		10"/2'	9	moist high angle (almost vertical) foliation, weathered schist. some curved portions of the white silty, sandy clay. schist appears to be a chlorite - muscovite variety ⇒ weathered. greenish-yellow color.					saprolite		
	75, 100/0.4'		10"/2'	10	moist light brown (5/6) highly micaceous silty very fine to fine sand					SM saprolite		
					moist weathered black biotite mica schist and highly micaceous silty fine sand.					saprolite SM + weathered Rock		

Depth: 0, 2, 4, 6, 8, 10, 12, 14, 16, 18, 20

Bentonite/cement slurry

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FIELD OPERATIONS REPORT

REWAI

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Total Depth	51'4"	Well No.	CW-1D
Depth to S.S. Refusal	26'11"	Driller	Scott Breed (Empire)
Depth to Competent Bedrock	28.8'	Logged by	John Ward
SWL (Date)	3/17/88 299.03'	Drilling Began	2-3-88
Screened Interval	41'4"-51'4"	Drilling Completed	2-8-88
Hole Diameter	4.00 inch	Well Const. Completed	2-10-88
Monitoring Tube	2" ID PVC	Development Completed	NA
Elev., Ground Surface	307.2'	Elev., T.O.C.	308.80'

Depth	Blows/6"	VOA (ppm)	Recovery in/ft	Sample No. Run No.	Sample Description (USCS), GRN Size, Color, Shape texture, moistness, etc. SWL - 9 1/2' below grd surface, 2-4-88	% Grn. Size C	S	Sd	Gr	Other Notes	Graphic Lith.	Well Const.	Depth
20	40	0	10"/2'	11	Black to yellowish-green moist highly micaceous highly weathered biotite-muscovite schist saprolite; mostly yellow-green-gray. foliation dipping 50°.	Black				sm saprolite 2ppm @ 20' in augers quartz vein 50°		10" dia borehole	20
	79					mottled moderate brown (4/4) yellow-green-gray							
	100/0.25'				highly micaceous foliation dipping 40° silty vf-med sand								22
	29	0	12"/2'	12	moist to v. moist highly weathered quartz, hornblend, feldspar? pod (?); no structure, trace dark yellow orange mottling; white, trace muscovite; very fine sand, little quartz pebbles					SP saprolite			24
	68												
	100/~6"												
	100/4"	0	7"/2'	13	moist very highly weathered biotite-muscovite schist; foliation dipping 40°; Brownish-black highly micaceous silty fine-medium sand					sm saprolite spoon refusal, augered to 26' 1ppm @ 26'		Bentonite/cement slurry	
	100/5"	0	8"/2'	14	moist highly weathered biotite-muscovite schist saprolite; foliation dipping 40°; little rock (schist) fragments								26
	65		8"/2'		as above, moist, very hard, highly micaceous slightly silty vf-f sand					sm-SP			28
	100/0.2'				28.8' Top of Competent Bedrock Packer test 30'-40' not completed - unable to seal interval.	mech brk.		28'9"	20°	28.8' most mech brk's dip w/foliation			
		RQD 24"/2.8'	2'12"/2.8'	Core run		"		29'	30°				
						"		29'9"	30°				
						"		30'1"	5°		25°		30
	1				hard silvery gray with yellowing orange weathering, muscovite schist; foliated.	dip	ork	30'3"	25°	weathered			
						mech	brk	30'10"	30°			4.0" dia. core hole	
						"		31'6"	15°				
					31 1/2'	dip	erks	32'	40°				
								32'5"	30°	Quartz pod			32
								32'9"	30°	quartz pod			
								33'1"	25°				
		RQD 45"/4.7'	4.7'/4.7'	Core run				33'9"	30°				
								33'11"	30°				
								34'7"	20°				
								34'8"	40°				
								35'1"	40°			Thick bentonite powder mud seal	34
								35'4"	20°				
								35'10"	20°				
								36'1"	50				
								36'5"	broken zone				
								36'7"	25°				36
					36.3'			37'	50°	broken	broken zone		
					becoming more broken, weathered softer?			37'5"	20°				
		RQD 32"/5'	4.7'/4.7'	Core run	weathered chlorite(?)-muscovite schist			37'7"	25°		50°		
								37'11"	20°				
								38'1"	25°				38
								38'4"		broken zone			38.5'
								38'5"					
								38'6"		Broken Zone			
								38'7"					
								38'8"		39.9' Broken Zone			40

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FIELD OPERATIONS REPORT

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Total Depth	51'4"
Depth to S.S. Refusal	26'11"
Depth to Competent Bedrock	28.8'
SWL (Date)	3/17/88 299.03'
Screened Interval	41'4" - 51'4"
Hole Diameter	4.0"
Monitoring Tube	2" ID PVC
Elev., Ground Surface	307.2'

Well No.	CW-1D
Driller	Scott Breeds (Empire)
Logged by	John Ward
Drilling Began	2-3-88
Drilling Completed	2-8-88
Well Const. Completed	2-10-88
Development Completed	NA
Elev., T.O.C.	308.80'

Depth	Blows/6"	VOA (ppm)	Recovery in/ft	Sample No. Run No.	Sample Description (USCS), GRN Size, Color, Shape texture, moistness, etc.	% Grn. Size C	S	Sd	Gr	Other Notes	Graphic Lith.	Well Const.	Depth
					SWL 2-8-88 1300 hrs. 8'9 1/2" below grade								
40					40'2" highly broken & weathered zone	dip	strk's	39'	20°	Broken Zone 40'2"			40
								39'2"	20°	broken		Top Slots 41'4"	
								39'5"	25°				
								39'9" ↓ 40'2"		Broken Zone			
42					42'1" Competent here			43'	25°				42
		RQD 25/5'	5'/5'	Core Run	silvery dark gray with yellow & green muscovite schist			43'2"	30°				
								43'7"	20°				
44								44'	Broken				44
								44'4"	20°	Broken			
								44'8"	35°				
					45'3"			45'3" ↓ 47'6"		Broken Zone 45'3"			
					highly broken and weathered and folded (deformed) biotite(?) - muscovite schist			47'6"	5°				
								47'9"	10°				
								47'10"	15°	Broken Zone			
								48'2"	broken				
					extremely weathered zone, remanent silt in fractures. 47'6"			48'8"	10°				
		RQD 19"/5'	5'/5'	Core Run				49'	2°±	47'½"			48
								49'4"	35°	broken			
								49'8" ↓ 50'1"		Broken Zone			
								50'8"	5°				
50								51'	40°	Broken Zone 49'8" 51'			50
												2" ID Sch 40 flush joint 0.030" slotted PVC well screen	
												51'4" Bottom 4" dia core hole	52

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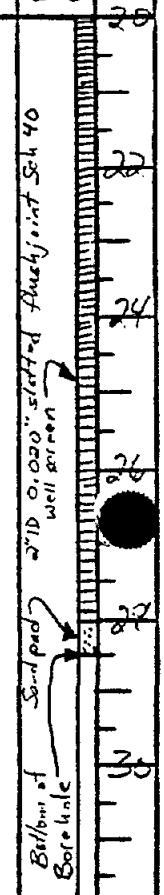
Total Depth	28'
Depth to S.S. Refusal	—
Depth to Competent Bedrock	—
SWL (Date)	3/17/88 299.05
Screened Interval	18'-28'
Hole Diameter	10"
Monitoring Tube	2" ID PVC
Elev., Ground Surface	307.3'
Well No.	CW-1 I
Driller	Scott Breeds (Empire)
Logged by	John Ward
Drilling Began	2-10-88
Drilling Completed	2-10-88
Well Const. Completed	2-11-88
Development Completed	NA
Elev., T.O.C.	308.82'

Depth	Blows/6"	VOA (ppm)	Recovery in/ft	Sample No. Run No.	Sample Description (USCS), GRN Size, Color, Shape texture, moistness, etc.	% Grn. Size C	S	Sd	Gr	Other Notes	Graphic Lith.	Well Const.	Depth
0					Refer to CW-1D well log for lithology. Blank augered to 28.5'								0
2													2
4													4
6													6
8													8
10													10
12													12
14													14
16													16
18													18
20													20

AR300445

FIELD OPERATIONS REPORT REWAI Project No. 86021 Page 2 of 2	Total Depth 28' Depth to S.S. Refusal — Depth to Competent Bedrock — SWL (Date) 3/17/88 299.05' Screened Interval 18'-28' Hole Diameter 10-inch Monitoring Tube 2" ID PVC Elev., Ground Surface 307.3'	Well No. CW-1I Driller Scott Breeds (Empire) Logged by John Ward Drilling Began 2-10-88 Drilling Completed 2-10-88 Well Const. Completed 2-11-88 Development Completed NA Elev., T.O.C. 308.82'

Depth	Blows/6"	VOA (ppm)	Recovery in/ft	Sample No. Run No.	Sample Description (USCS), GRN Size, Color, Shape texture, moistness, etc.	% Grn. Size C	S	Sd	Gr	Other Notes	Graphic Lith.	Well Const.	Depth
20													20
22													22
24													24
26													26
28													28
30													30



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FIELD OPERATIONS REPORT

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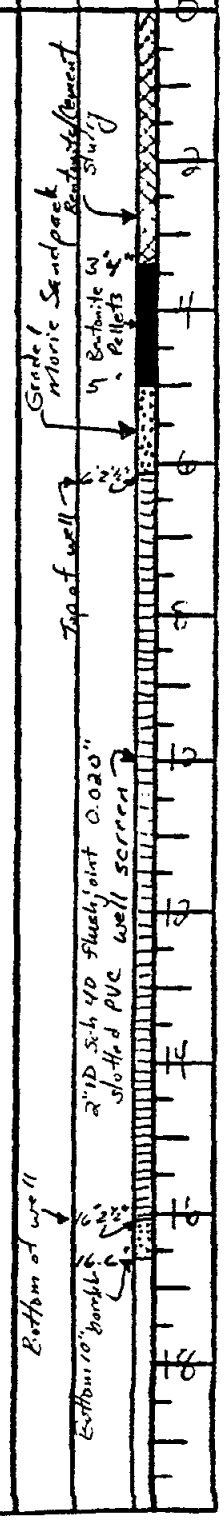
Total Depth	16' 2½"
Depth to S.S. Refusal	—
Depth to Competent Bedrock	—
SWL (Date)	3/17/88 299.48'
Screened Interval	6' 2½"-16' 2½"
Hole Diameter	10-inch
Monitoring Tube	2" ID PVC
Elev., Ground Surface	307.4'

Well No.	CW-1S
Driller	Scott Breeds (Empire)
Logged by	John Ward
Drilling Began	2-11-88
Drilling Completed	2-11-88
Well Const. Completed	2-11-88
Development Completed	NA
Elev., T.O.C.	309.04'

Depth	Blows/6"	VOA (ppm)	Recovery in/ft	Sample No. Run No.	Sample Description (USCS), GRN Size, Color, Shape texture, moistness, etc.	% Grn. Size C	S	Sd	Gr	Other Notes	Graphic Lith.	Well Const.	Depth
0					Refer to CW-1D well log for lithology. Blank augered to 16.6'								0
2													2
4													4
6													6
8													8
10													10
12													12
14													14
16													16
18													18



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FIELD OPERATIONS REPORT

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Total Depth	55 1/2'
Depth to S.S. Refusal	34.1'
Depth to Competent Bedrock	35'
SWL (Date)	
Screened Interval	46'-54' 1 1/2"
Hole Diameter	(bedrock - 3.882')
Monitoring Tube	2" ID PVC
Elev., Ground Surface	

Well No.	CW-2D
Driller	Empire Scott Breeds
Logged by	John Ward (JST assist)
Drilling Began	1-20-88
Drilling Completed	1-28-88
Well Const. Completed	1-29-88
Development Completed	
Elev., T.O.C.	

Blows/6"	VOA (ppm)	Recovery in/ft	Sample No. Run No.	Sample Description (USCS), GRN Size, Color, Shape texture, moistness, etc. B = Background	% Grn. Size C	S	Sd	Gr	Other Notes	Graphic Lith.	Well Const.	Depth
10, 11, 10	B	12"/2'	1, 2	moist dark yellowish-brown to moderate reddish brown very silty, v. fine sand; trace 1/2"-1/4" quartz pebbles.		✓	✓		SM	Fill		0
				moist dusky brown v. fine sand and silt.		✓	✓		SM			
			3	~~medium gray dry limestone fragment~~					rock frag.			
55, 15, 8	B	14"/2'	4	dry to moist dark gray to black and very pale orange v. fine to fine pebbles (1/4") cinders; with limestone fragments - trace					SP	Fill		2
10, 11, 14			5	moist light brown (5YR 5/4) very fine silty clayey micaceous sand.					SM Saprolite			4
16, 12	B	10"/2'	6	same as above; trace c. gravel, very silty ← v.f. sand lense (v. small)					saprolite SM			
15, 8, 16, 16	3.5	10"/2'	7	moist, same as above, with little 1/2" highly weathered schist fragments (original schist type?)					SM saprolite	10" auger bore hole (dia.)		6
18, 10, 17, 25, 27	10	12"/2'	8	moist, same as above. trace v. coarse (sand-size) Quartz fragments. } what appears to be remanent, highly weathered "cleavage", estimated dipping ~20°								8
18, 26, 33, 28	2-3	18"/2'	9	moist, highly micaceous grayish-black silty v. fine sand, with weathered biotite schist fragments.					SM saprolite			10
22, 37, 47, 67	B	16"/2'	10	slightly more moist light olive brown to moderate olive brown, highly micaceous highly weathered garnet-schist saprolite, fine grained sand					SP Saprolite			12
23, 41, 87	4	12"/2'	11	dry to moist moderate yellowish brown fine sand, trace coarse sand highly weathered					SP saprolite			14
100/5, 32, 45, 100	B	14"/18"	12	dry to moist moderate brown (4/4) to dark yellowish-orange v. fine sand trace silt, trace coarse sand } no sample	AR300448 End of day 1-20-88				SP saprolite			16
--, 27, 31, 28, 29	11	9"/2"	13	moist to v. moist dark yellowish orange to light medium brown (5/6) and medium gray micaceous silty fine to medium sand.	5pm on 1-21-88 top of auger				SM-SP water level at start on 1-21-88 = 17.2' BGS ~1' above bottom			18, 20

FIELD OPERATIONS REPORT

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Total Depth	55 1/2'
Depth to S.S. Refusal	34.1'
Depth to Competent Bedrock	35'
SWL (Date)	
Screened Interval	46'-54' 1 1/2"
Hole Diameter	3.882"
Monitoring Tube	2" ID PVC
Elev., Ground Surface	

Well No.	CW-2D
Driller	Empire (Scott Breeds)
Logged by	John Ward (JST ass.st)
Drilling Began	1-20-88
Drilling Completed	1-28-88
Well Const. Completed	1-29-88
Development Completed	
Elev., T.O.C.	

Blows/6"	VOA (ppm)	Recovery in/ft	Sample No. Run No.	Sample Description (USCS), GRN Size, Color, Shape texture, moistness, etc.	% Grn. Size C	S	Sd	Gr	Other Notes	Graphic Lith.	Well Const.	Depth
12 15 12 23	B	10"/2'	14	moist, multicolored, dark gray and light brown (5/6) silty fine to med sand, micaceous "cleavage"/layers dipping ~20°. oil spots and sheen in auger (muck) return — no OVA above background.					SM saprolite Same as above			20
17 58 69	B	~8"/2'	15	moist to v. moist same as above. highly micaceous (biotite) fine to med silty sand, little biotite schist (weathered) fragments.					SM saprolite			22
100/3" 59 100/6" --	B	8"/11"	16	moist v. highly micaceous biotite-schist saprolite, v. hard micaceous (80%) silty sand. steeply inclined "cleavage" (~30-50°)					SM ?-ML ? saprolite		Slurry	24
				lots of high angle "cleavage"								26
50 38 69 19	B	10"/2'	17	moist same as above, less mica (biotite) "cleavage" inclined but shallow. more sandy and silty. medium dark gray highly weathered biotite-gneiss ?? schist					saprolite SM		Bentonite/Cement	28
35 100/6"	B	10"/17"	18	moist highly weathered garnet-schist saprolite, mottled dark yellowish orange, dusky gray and dusk yellowish green	micaceous				silty fine to medium sand. SM			30
10 100/~6" -- --	B	7"/11"	19	moist, v. highly weathered biotite garnet-schist saprolite, high angle "cleavage" (~50°) color mottled dark yellowish-orange, mainly dark gray with some hint of green & yellow.					fine to med silty sand SM	21' of bentonite cut auger seal (sharp)		32
100/4" -- -- --	B	4"/4"	20	hard, same as above, little dark gray hard rock fragments — v. weathered garnet & biotite schist; saprolite,					SM ?			34
100/0.1' --	B	0"/0.1'	NONE	no recovery, spoon refusal. augers having difficult time but cutting smoothly.					maybe weathered bedrock contact			
				← Bottom of hole 1-21-88 (35') Top of Bedrock →	end of day 1/21/88				Bottom of 10" auger borehole diameter	30'	35.1'	
				RQD = 0 Dark gray to brownish-black weathered (moderate to moderately severe) biotite (?) schist dipcrack along "foliation" ~30° Rock highly deformed — metamorphosed. weathered zone, soft, seriately					← 35.8' end of day 1/25/88 20°	36'	36.1' 36.25'	36
					dip crack 36.25'				dipcrack 36.5' 30° " " 36.8' 20°	15'		
				RQD: 100/4.7'	weathered zone							
		4.9"/4.7'		★ all dipcracks are weathered by soln. weathered zone dipcracks along ~20° dipping "foliation"; core broken up, highly weathered					dip cracks along same planes as above			40
				39.3'	39.3'					39.3'		

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FIELD OPERATIONS REPORT

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Total Depth	55 1/2'
Depth to S.S. Refusal	34.1'
Depth to Competent Bedrock	35'
SWL (Date)	
Screened Interval	46'-54' 1 1/2"
Hole Diameter	3.882"
Monitoring Tube	2" ID PVC
Elev., Ground Surface	

Well No.	CW-2D
Driller	Empire (Scott Breeds)
Logged by	John Ward
Drilling Began	1-20-88
Drilling Completed	1-28-88
Well Const. Completed	1-29-88
Development Completed	
Elev., T.O.C.	

Depth	Blows/6"	VOA (ppm)	Recovery in/ft	Sample No. Run No.	Sample Description (USCS), GRN Size, Color, Shape texture, moistness, etc.	% Grn. Size C	S	Sd	Gr	Other Notes	Graphic Lith.	Well Const.	Depth
40				Core run	RQD-21'/45' dip cracks 41.1' - 5°, 41.2' - 10°; 41.2' rock becomes more broken & weathered, 41.6' - 20°, 41.7' - 30°; weathered garnets found here	soft, highly weathered zone				end of morning coring; water level before afternoon coring began is 10.3' below grade.	15° 10° 10°	41.2' 40.8' 40.9'	40
			49"/4.5'		schist hard dip cracks 42.0' - 25°, 42.35 - 20°, 42.7 - 20°, 42.8 - 30°, 43.2 - 15°					drilling became harder - rock harder. began to lose some water; oily sheen greater in mud tub.	25°	42'	42
				Core run	43.2' rock w. hard - silvery dark gray - biotite schist; dip cracks 43.3 - 25°, 43.5 - 25°, 43.7' - 25°, 43.8 - 20°, 44.4 - 10°, 44.6' - 20°, 44.9 - 15°, 45.0 - 20°, 46.3 - 20°, 46.6 - 15°, 46.8 20°							thick Bentonite (Powder) sand pack Grade 1	44
			60"/5'		46.8' 47.2' broken zone [w/ dip cracks ~20°]					Rock is highly fractured between 42' - 50' but still competent	40°	46'	46
				Core run	RQD-2.5'/5' dip cracks 47.6' - 45°, 47.7' - 5°, 47.8' - 35°, 47.9' - 20°, 48.1' - 20°, 48.3 - 30°, 48.5 - broken zone, 48.8 - 40°, 48.9 - 40°, 49.2 - 35°, 49.5 - 30°; soln on cracks; rock still silvery gray					end of afternoon coring; end of day 1-26-88		2" ID 0.020" slotted flush joint Sch 40 PVC screen	48
					continued p. 5.								50
													52
													54
													56
													58
													60

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Total Depth	55 1/2'
Depth to S.S. Refusal	34.1'
Depth to Competent Bedrock	35'
SWL (Date)	
Screened Interval	46'-54' 1 1/2"
Hole Diameter	3.882"
Monitoring Tube	2" ID PVC
Elev., Ground Surface	

Well No.	CW-2D
Driller	Empire (Scott Breeds)
Logged by	John Ward
Drilling Began	1-20-88
Drilling Completed	1-28-88
Well Const. Completed	1-29-88
Development Completed	
Elev., T.O.C.	

Blows/6"	VOA (ppm)	Recovery in/ft	Sample No. Run No.	Sample Description (USCS), GRN Size, Color, Shape texture, moistness, etc.	% Grn. Size C	S	Sd	Gr	Other Notes	Graphic Lith.	Well Const.	Depth
				1-27-88 Packer Test 40'-50' interval					☆ Core hole diameter is 3.882 inches. ☆			
				12:30pm SWL (auger) - 13.5'								
				SWL (core barrel) - 21' 10 1/2"								
				30' long Packer								
				Pulled core barrel up 13' off bottom of well (50' to 37'). Packer Placed at 40'.								
				30 PSI Test								
				Time (min.) Volume (gal.)								
				0 137.4								
				1 153.6								
				2 169.7								
				3 185.7								
				4 201.6								
				5 217.6								
				40 psi Test								
				0 271.5								
				1 290.4								
				2 309.3								
				3 328.0								
				4 346.7								
				5 365.2								
				45 psi Test (best thing could do)								
				0 408.0								
				1 428.0								
				2 448.0								
				3 467.8								
				4 487.8								
				5 507.6								

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FIELD OPERATIONS REPORT

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Total Depth	55 1/2'
Depth to S.S. Refusal	34.1'
Depth to Competent Bedrock	35'
SWL (Date)	
Screened Interval	46' - 54' 1 1/2"
Hole Diameter	3.882" core hole
Monitoring Tube	2' ID PVC Sch 40
Elev., Ground Surface	

Well No.	CW-2D
Driller	Scott Breeds - Empire
Logged by	John Ward
Drilling Began	1-20-88
Drilling Completed	1-28-88
Well Const. Completed	1-29-88
Development Completed	
Elev., T.O.C.	

Depth	Blows/6"	VOA (ppm)	Recovery in/ft	Sample No. Run No.	Sample Description (USCS), GRN Size, Color, Shape texture, moistness, etc.	% Grn. Size C	S	Sd	Gr	Other Notes	Graphic Lith.	Graphic Well Const.	Depth
50		to cold for OVA to be used			1-28-88								50
					Feebly quartz pod, inner grain fractures weathered as are the outer grain (pebble) surfaces.					SWL - 13.0' G.S. (core barrel not in hole.)			
					biotite schist - no quartz, some muscovite	50'7"							
					Quartz pod, 1/2 (upper) weather, bottom unweathered. intersecting fractures forming a cross in the str.	50'9"							
						51'3"				taking some water, (53') hard drilling.			
			53"/4.3'	core run	51'5" - 30° dipping Quartz filled crack.								
					51'7" to 52'2" → small Quartz pod.					dip cracks			52
					silvery dark gray biotite schist with some muscovite (brassy).					49.5' - 40°			
					v. hard drilling at 53.8', taking much water.					49'10" - 35°			
										50' - 40°			
					most dip cracks occurring predominantly with the rocks foliation which is "high" angle.					50'2" - 80°	54'1 1/2" bottom of well.	Grade 1 Marie Sand	54
				54.3'						50'9" - 30°			
			12"/1.2'	core run						51'3" - 30°			
										51'7" - 30°			
				55.5'						52'2" - 30°	55 1/2'		
					55 1/2' - Bottom of 3.882" core hole					52'10 1/2" - 50° (60°) (int. 2 cracks)		3.882" dia. core hole	56
					water level after coring - 13'2" G.S.					53'7" - 30°			
										54'1" - 30°			
										54'3" - 30°			
										54'8" - 40° (excellent opening)			
										55'6" - 30°			

Packer Test - 50' to 55 1/2'

Packer set at ~50' @ 100 psi pressure.

30 psi Test

Time (min)	Volume (gallons)
0	532.0
1	537.1
2	542.0
3	547.2
4	553.2
5	559.5

40 psi Test

1st run packer was pushed upwards voiding the test. Packer pressure raised to 200 psi and test run again. Packer broke, test not completed.

Time (min)	Volume (gal)
0	568.2
1	583.2
2	599.4
3	618.1
4	637.3
5	656.7

VOID

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FIELD OPERATIONS REPORT

REWAI
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Total Depth	30'
Depth to S.S. Refusal	not sampled
Depth to Competent Bedrock	30'
SWL (Date)	
Screened Interval	20' - 30'
Hole Diameter	10"
Monitoring Tube	2" ID PVC
Elev., Ground Surface	

Well No.	CW-2 I
Driller	Empire - Scott Breeds
Logged by	John Ward
Drilling Began	2-1-88
Drilling Completed	2-1-88
Well Const. Completed	2-1-88
Development Completed	
Elev., T.O.C.	

Blows/6"	VOA (ppm)	Recovery in/ft	Sample No. Run No.	Sample Description (USCS), GRN Size, Color, Shape texture, moistness, etc.	% Grn. Size C	S	Sd	Gr	Other Notes	Graphic Lith.	Well Const.	Depth
				This well not sampled, refer to CW-2D well log for lithology.								0
				Blank augered 0' to 30' where v. hard, competent bedrock was encountered.								2
				Bedrock was anticipated to be at 35' like CW-2D.								4
												6
												8
												10
												12
									Bentonite/cement slurry			14
												16
									17½' top of bentonite pellets			18
									Top of sandpack			20
				Top of well screen @ 20'								

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FIELD OPERATIONS REPORT

REWAI
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Total Depth 30'
Depth to S.S. Refusal not sampled
Depth to Competent Bedrock 30'
SWL (Date)
Screened Interval 20'-30'
Hole Diameter 10"
Monitoring Tube 2" ID PVC
Elev., Ground Surface

Well No. CW-2I
Driller Empire - Scott Breeds
Logged by John Ward
Drilling Began 2-1-88
Drilling Completed 2-1-88
Well Const. Completed 2-1-88
Development Completed
Elev., T.O.C.

Depth	Blows/6"	VOA (ppm)	Recovery in/ft	Sample No. Run No.	Sample Description (USCS), GRN Size, Color, Shape texture, moistness, etc.	% Grn. Size C	S	Sd	Gr	Other Notes	Graphic Lith.	Well Const.	Depth
													20
													22
										Grade 1 Morie Sandpack	2" ID sch 40 PVC 0.020" slotted flushjoint well screen		24
													26
													28
					Bottom of sandpack @ 30'. Bottom of well screen @ 30'								30
					Top of v. hard competent Bedrock								

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FIELD OPERATIONS REPORT

REWAI
Project No. 8602(
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Total Depth	15½'
Depth to S.S. Refusal	—
Depth to Competent Bedrock	—
SWL (Date)	
Screened Interval	5'-15'
Hole Diameter	10"
Monitoring Tube	2" ID PVC
Elev., Ground Surface	

Well No.	CW-2S
Driller	Empire (Scott Breeds)
Logged by	John Ward
Drilling Began	2-2-88
Drilling Completed	2-2-88
Well Const. Completed	2-2-88
Development Completed	
Elev., T.O.C.	

Depth	Blows/6"	VOA (ppm)	Recovery in/ft	Sample No. Run No.	Sample Description (USCS), GRN Size, Color, Shape texture, moistness, etc.	% Grn. Size C	S	Sd	Gr	Other Notes	Graphic Lith.	Well Const.	Depth
					Refer to well log for CW-2D for lithology. Blank augered from 0' to 15½'. Railroad tie encountered at ~ 2'-3'.								
					tannish-gray w/white fragments Fill					2.7' Bottom of Protector casing			2
					+/- medium dark gray uf-c sand cinders Fill					Bentonite/cement slurry; Top Pellets		3'2" Bentonite Pellets	
					+/- medium f-m brown sand					Top sand pack 3'10"			4
					+/- Brownish-yellowish dark orange f-m sand					Grade 1 Morie Sandpack			6
					description & depths based upon auger returns. RR tie hit approximately 2' down.						2" ID Sch 40 PVC 0.020" slotted flushjoint well screen		2
					SWL taken on CW-2D (2-2-88) ~8:30am 14'6" below top PVC; SWL - CW-2I 14'0" " " "								10
					10' PVC screen dimensions								12
					Top 1" 9'3" 4" Bot 2" ID								14
										15½' bottom of 10" pebble and bottom of sandpack			16

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FIELD OPERATIONS REPORT

REWAI
Project No. 86021
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Total Depth	46.0'
Depth to S.S. Refusal	9-10'
Depth to Competent Bedrock	22.0'
SWL (Date)	12.54' (2/16/88)
Screened Interval	36' to 46'
Hole Diameter	8" to 19' / 4" to 46'
Monitoring Tube	2" PVC
Elev., Ground Surface	

Well No.	CW-3D
Driller	EMPIRE SOILS INC.
Logged by	JST
Drilling Began	2/9/88
Drilling Completed	2/11/88
Well Const. Completed	2/12/88
Development Completed	
Elev., T.O.C.	

Depth	Blows/6"	Samples (F) VOA (ppm)	Recovery in/ft	Sample No. Run No.	Sample Description (USCS), GRN Size, Color, Shape texture, moistness, etc. (A denotes augered; NAB denotes not above background)	Other Notes	Graphic: Lith.	Graphic: Well Const.	Depth
	A 100/3 A	NAB	0"/3"	1	Approximately 2-3" of asphalt (macadam). Approximately 6" of medium to coarse limestone subbase. Dry, dusky brown, very fine to fine sand with some limestone subbase. Little to some silt. This material is very loose. Fill. (SM).	Driveover Ambient OVA NAB Hole OVA NAB FILL (SM)		CEMENT WITH 4% BENTONITE TO 18'	
5	A 5 6 8 7	NAB	5"/2'	2	Moist, moderate brown (5YR 3/4) very fine to find sand and sandy silt. Some silt. Trace to little gravel, angular and rounded, consisting of limestone sandstone, schist and cinders. Trace clay. Material is stiffer and more cohesive. Becoming siltier towards 4'. Fill. (SM).	Ambient OVA NAB Hole OVA NAB Poor recovery FILL (SM)			
10	4 5 7 9	NAB	6"/2'	3	Moist, moderate brown to dark yellowish orange sandy silt with little clay. Sand mostly fine to very fine grained. Some angular schist and sandstone fragments. Material is stiffer. Sand is somewhat micaeous. Some cinders noted. Fill. (ML to SM).	Ambient OVA NAB Hole OVA NAB FILL (ML SM)			
	4 5 57 21	NAB	18"/2'	4	As above except gravel content is increasing. Some gravel is up to 1 inch in diameter. Gravel looks like sandstone. Material is moist to very moist. Still fill (ML to GM).	Ambient OVA NAB Hole OVA 2 ppm FILL (ML GM)			
	100 100/6 A A	NAB	6"/6"	5	Dark yellow brown, fine to medium grained sand. Trace coarse sand. Most sand appears to be quartz. Little silt. Little angular schist fragments. No structure is evident. Very moist. Fill (SP).	Ambient OVA NAB - 2 ppm Hole OVA 80 ppm Outside of spoon is wet. FILL (SP)			
15	76 100/3 A A	0.6	9"/9"	6	Becoming coarser with increasing angular biotite schist fragments. Very highly weathered. Sand is mostly medium grained. Gravel seems somewhat layered. Very moist. Fill (SP).	Ambient OVA NAB Hole OVA 12 ppm Spoon wet FILL (SP) POSSIBLE SAP.			12.0
	50 100/4 A A	NAB	10"/10"	7	Very moist to saturated, dark gray brown, fine to medium, micaeous sand. Some highly weathered biotite schist fragments. Also much quartz sand. Sand is predominantly medium grained. Little silt. White clay-like veins present. Remnant structure (Foliation ?) exhibits a 40° dip. This material is somewhat cohesive and very weathered. Saprolite. (SW-SP)	Ambient OVA NAB Hole OVA 20 ppm SAPROLITE			
	100 100/1 A A	NAB	6"/7"	8	Augering alternates from hard to easy. Mostly same as above except more weathered biotite schist. Still saprolite (SW-SP).	Ambient OVA NAB Hole OVA 150 ppm water on plug. No sheen.	SAPROLITE		
	100/4 A A A	NAB	4"/4"	9	By the way the material augers I believe it is alternating layers of micaeous, medium grained sand with little fine sand and silt, and black to brownish black biotite schist. Either saprolite or extremely weathered schist. Both the saprolite and schist would be biotite type. Saprolite (SW-GW). Foliations 35° to 40° dip.	Ambient OVA NAB Hole OVA 150 ppm No sheen evident.			
	100 A 100/6 A	NAB	6"/6" 0"	10 RUN #1	Augering becoming very difficult. Color is darker (more black). Coring Started at 19.0'	Ambient OVA NAB Hole OVA 120-150 ppm WL 2/10/88 11' 4" GS (augers/bent)		BENTONITE SLURRY	

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FIELD OPERATIONS REPORT

REWAI

Project No. 86021

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Total Depth	46.0'
Depth to S.S. Refusal	9-10'
Depth to Competent Bedrock	22'
SWL (Date)	12.31' TOPVC (3/2/88)
Screened Interval	36' to 46'
Hole Diameter	8" to 19'/4" to 46'
Monitoring Tube	2" PVC
Elev., Ground Surface	

Well No.	CW-3D
Driller	EMPIRE SOILS INC.
Logged by	JST
Drilling Began	2/9/88
Drilling Completed	2/11/88
Well Const. Completed	2/12/88
Development Completed	2/25/88
Elev., T.O.C.	

Depth	Blows/6"	VOA (ppm)	Recovery in/ft	Sample No. Run No.	Sample Description (USCS), GRN Size, Color, Shape texture, moistness, etc. (NAB: not above background)	Depth C	∠ S	N/M Sd	Gr	Other Notes	Graphic Lith.	Graphic Well Const.	Depth
22.0	CORED	NAB	16"/5' RQD 0"/60"	RUN 1	Saturated, highly weathered, biotite schist saprolite or extremely weathered biotite schist bedrock. Much fine to medium grained micaceous sand. Rock fragments are very highly weathered. Becoming much harder at 22'. Saprolite (SW-GW)					Largest cored section is 2". Hard from 21' to 21.5'. Oily sheen in tub. Coring much more smoothly. Harder. END RUN #1		BENTONITE SLURRY TO 33'	22.0
23.5					Grayish black biotite gneiss with minor amounts of muscovite. Quartz and feldspar grains are interspersed with biotite. High angle foliations present 50-80°. Muscovite increases slightly downward. Rock is highly weathered. Most fractures are heavily ironed stained and also exhibit some manganese staining. Some areas appear more schistosic. Trace highly weathered garnets. A few milky quartz veins with some light pink feldspar. Some fractures coated with highly weathered mica. Rock is highly broken. Muscovite has a brassy appearance. Quartz veins up to ½" and quartz.	ROCK BROKEN QUITE							23.5
26.0	CORED	NAB	60"/5' RQD 13"/60"	RUN 2		23.75	25°	N		Hole taking ≤ 1-2 gpm of water. Oily sheen on water in tub. Highly broken around 25'. Hole seems to be taking more water. 27.95 40° N, 28.05 20° M, 28.30 30° M. END RUN #2			
						24.05	25°	N					
						24.4	15°	M					
						24.6	30°	N *					
						24.65	60°	N					
						25.10	30°	N *					
						25.50	40°	N					
						25.9	15°	M					
						26.35	15°	M/N					
						26.90	50°	N					
						26.95	35°	N					
						27.03	40°	N *					
						27.10	35°	N					
						27.25	0°	M					
						27.45	15°	N					
						27.70	15°	N					
						27.80	30°	N					
28.5	CORED	NAB	48"/5' RQD 35.5"/48"	RUN 3	Same as above with large quartz/feldspar veins at 29', 30' and 31'. Mica is highly deformed and occurs at high angles. Some yellowish weathered areas also occur on fracture surfaces. At 31.2' there is a very large, light gray to white quartz vein. Many small (thin), curved biotite layers also occur. Quartz is smoky. Rock highly deformed.	28.5	40°	N *		Oily sheen on water in tub. END RUN #3			28.5
						28.6	10°	M					
						28.7	10°	M					
						29.1	5°	M					
						29.5	15°	M					
						29.95	20°	M					
						30.5	~	N					
						30.65	15°	N					
						31.15	35°	N *					
						32.0	~	N/M					
						32.4	40°	N *					
						32.5	10°	M					
32.5	CORED	NAB	60"/5' RQD 33"/60"	RUN 4	Grayish black biotite gneiss (salt and pepper appearance) as above. Quartz and feldspar appear to be increasing. Trace muscovite. Highly weathered fractures. At 33.5' there is a high angle, white to light gray, quartz/feldspar pegmatite. Highly curved stringers of black biotite occur within the pegmatite. 3 major minerals in the pegmatite are quartz (smoky), feldspar and biotite. Highly deformed. Cleavage surfaces very evident on feldspar (striations also). This area is very coarsely crystalline. Red brown nodules with weathered rings around them. Pegmatite ends at 37.9'.	* BROKEN ZONE				Oily sheen on water in tub. END RUN #4		SAND PACK	33.0
						33.5	30°	M					
						33.7	40°	N					
						34.0	~	N					
						35.1	35°	N					
						35.4	40°	N					
						36.35	[illegible]	N/M					36.0
37.5	CORED	NAB	58"/5'	RUN 5	Grayish black biotite gneiss. White quartz and feldspar increasing. Many curved quartz/feldspar veins. A few thin biotite rich layers. Very deformed.	37.9	40°	N		near vertical break at at 38.7'			37.5
						38.5	BROKEN ZONE *						
						39.1	20°	N					
						39.23	25°	N					
						39.4	15°	M		39.75 20° N			
						39.5	45°	N					
						39.7	25°	N/M					

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FIELD OPERATIONS REPORT

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Total Depth	46.0'
Depth to S.S. Refusal	9-10'
Depth to Competent Bedrock	22.0'
SWL (Date)	
Screened Interval	36' to 46'
Hole Diameter	8" and 4"
Monitoring Tube	2" PVC
Elev., Ground Surface	
Well No.	CW-3D
Driller	EMPIRE SOILS INC.
Logged by	JST
Drilling Began	2/9/88
Drilling Completed	2/11/88
Well Const. Completed	2/12/88
Development Completed	2/25/88
Elev., T.O.C.	

Depth	Blows/6"	VOA (ppm)	Recovery in/ft	Sample No. Run No.	Sample Description (USCS), GRN Size, Color, Shape texture, moistness, etc.	% Grn. Size C	S	Sd	Gr	Other Notes	Graphic Lith.	Well Const.	Depth
5.0	CORED	NAB	4.95'/5.0'	RCN #5	Same as above. Seems to be more granular with depth. Brassy mica. Bands or veins of feldspar and quartz up to 1". Bands also contain a pinkish mineral (grayish orange pink). (END RUN #5) RQD 34"/59"	40.25 40.40 41.00 42.25 42.50 43.50 43.70	30° 30° 25° 10° ✓ ✓ 20°	M M M M N/M* N/M N	COMPETENT BEDROCK	also very steep fracture here, 70° 10 minutes		SAND PACK	
6.0	CORED	NAB	3.5'/3.5'	RCN #6	Silvery grayish black biotite gneiss. Very quartzitic and feldspathic in spots. Pinkish quartzlike mineral present in a few thin layers. 45.7' Greenish layer with pinkish mineral - Thin layer. Seems to alternate from finer grained to somewhat coarser grained. Same mineralogy. Brassy to bronzy mica. (END RUN #6) RQD 28"/42"	44.25 44.40 44.60 45.20 45.35 45.45 45.50 45.80 45.90	15° 5° M M N N*	 15° 20° 30° 25° 25° 20° 20°	COMPETENT BEDROCK	15 minutes			46.0

Bottom of hole = 46.0'

PACKER TESTS (35' to 45')

★ 30 PSI TEST
INITIAL 782.8 G
1 MIN 784.7 G
2 MIN 786.5 G
3 MIN 788.2 G
4 MIN 790.0 G
5 MIN 791.8 G

★ 35 PSI TEST
INITIAL 794.8 G
1 MIN 797.3 G
2 MIN 800.1 G
3 MIN 802.9 G
4 MIN 806.1 G
5 MIN 809.1 G

★ 40 PSI TEST
INITIAL 821.0 G
1 MIN 826.4 G
2 MIN 831.6 G
3 MIN 837.1 G
4 MIN 842.3 G
5 MIN 847.7 G

Well Construction Info
screen: 36' to 46'
solid riser: 0.5' to 36'
sand pack: 33' to 46'
bentonite slurry: 18' to 33'
cement (4% bentonite): ~1' to 18'
driveover/locking cap
8" hole: 0' to 19'
4" hole: 19' to 46'

Sand - 1 bag
benseal - 1 bag
cement - 6 bags

SWL: 12.54 (2/16/88)

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CW-3I

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Total Depth	20.0'
Depth to S.S. Refusal	NA
Depth to Competent Bedrock	20.0'
SWL (Date)	
Screened Interval	14.5' to 19.5'
Hole Diameter	8 inch
Monitoring Tube	2" PVC
Elev., Ground Surface	

Well No.	CW-3I
Driller	EMPIRE DRILLING INC.
Logged by	JST
Drilling Began	2/15/88
Drilling Completed	2/15/88
Well Const. Completed	2/15/88
Development Completed	
Elev., T.O.C.	

Depth	Blows/6"	VOA (ppm)	Recovery in/ft	Sample No. Run No.	Sample Description (USCS), GRN Size, Color, Shape texture, moistness, etc.	% Grn. Size C	S	Sd	Gr	Other Notes	Graphic Lith.	Well Const.	Depth
	AUGERED	NAB		NO SAMPLES COLLECTED	Well Log for CW-3I is contained on CW-3D. No sampling conducted on this hole.							CEMENT WITH 4% BENTONITE	
					Oily sheen noted on saturated returns from auger flights.								
					~8" asphalt and subbase.								
					Augered easy from ~1.0' to 7.0'								
					Augered hard and easy from 7.0' to 15.0'								
					Augered harder from 15.0' to 20.0'								
					Auger Refusal at 20'. Competent bedrock is therefore higher in this hole then in CW-3D.								
	AUGERED	NAB											
				NO SAMPLES COLLECTED									11.0
	AUGERED	NAB			Well Construction Info screen: 14.5' to 19.5' riser pipe: 0.5' to 14.5' sand pack: 13.5' to 20.0' peltonite: 11.0' to 13.5' cement (4% bentonite): ~1.0' to 11.0' driveover/locking cap 8" hole: 0' to 20.0'							PELTONITE	13.5
												SAND PACK	14.5
					sand - 3 bags peltonite - 1 bucket cement - 4 bags benseal - 1/4 bag								
		NAB			SWL (2/16/88) 11.92' GS					Augered very hard at 19.5' 20.0' Auger Refusal			19.5

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CW-3S

FIELD OPERATIONS REPORT

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Total Depth	16.5'
Depth to S.S. Refusal	NA
Depth to Competent Bedrock	NA
SWL (Date)	
Screened Interval	6' to 16'
Hole Diameter	8 inch
Monitoring Tube	2" PVC
Elev., Ground Surface	

Well No.	CW-3S
Driller	EMPIRE SOILS INC.
Logged by	JST
Drilling Began	2/15/88
Drilling Completed	2/16/88
Well Const. Completed	2/16/88
Development Completed	
Elev., T.O.C.	

Blows/6"	VOA (ppm)	Recovery in/ft	Sample No. Run No.	Sample Description (USCS), GRN Size, Color, Shape texture, moistness, etc.	% Grn. Size C	S	Sd	Gr	Other Notes	Graphic Lith.	Well Const.	Depth
AUGERED	NAB		NO SAMPLES COLLECTED	Well Log for CW-3S is contained on CW-3D. This hole augered very similar to CW-3D. Augering was very hard between 4' and 6 feet.					Water level in augers 2/16/88 12'9"		CEMENT 4% BENT.	3.5
AUGERED	NAB										BENTONITE	5.0
											SAND PACK	6.0
AUGERED	NAB			Well Construction Info screen: 6.0' to 16.0' riser pipe: 0' to 6.0' sand pack: 5.0' to 16.5' peltonite: 3.5' to 5.0' cement (with 4% bentonite): 0' to 3.5' driveover/locking cap 8" hole: 0' to 16.5' sand: 6 bags peltonite: 1 bucket cement: 1 bag benseal: sm. amt. SWL (2/16/88) 12.14' GS							SAND PACK	
									Oily sheen seen of saturated auger flight mud			16.0 16.5
				Bottom of Hole 16.5'								

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FIELD OPERATIONS REPORT

REWAI

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Total Depth	50'
Depth to S.S. Refusal	27.3'
Depth to Competent Bedrock	28.2'
SWL (Date)	
Screened Interval	40'-50'
Hole Diameter	4" ID
Monitoring Tube	2" ID PVC
Elev., Ground Surface	

Well No.	CW-4D
Driller	Scott Breeds (Empire)
Logged by	John Ward
Drilling Began	2-22-88
Drilling Completed	2-23-88
Well Const. Completed	2-24-88
Development Completed	
Elev., T.O.C.	

Sample Description (USCS), GRN Size, Color, Shape texture, moistness, etc.

☒ = foliation

★ dashed lines denote essentially color changes. Bold solid lines denote lithology changes.

B = Background

Depth	Blows/6"	VOA (ppm)	Recovery in/ft	Sample No. Run No.	Sample Description	% Grn. Size C	S	Sd	Gr	Other Notes	Graphic Lith.	Well Const.	Depth
0	6, 5, 5	B	16"/2'	1	moist moderate yellow brown to dark yellow brown micaceous f-m SAND, little dark medium gray medium cinders, trace 1/2" weathered black schist fragments.					Fill SP			0
2	5, 4, 7, 3	B	12"/2'	2	moist, highly micaceous olive gray mottled moderate yellow brown f-m SAND, trace black weathered schist fragments.			3'9"		Fill SP			2
4	3, 6, 12, 14	B	16"/2'	3	moist micaceous olive gray and dark gray very fine to fine SAND; foliation dipping estimated 40°-45°, trace 1/4" to 3/8" highly weathered Quartz/feldspar? vein.		olive gray / dark gray			highly weathered saprolite SP			4
6	20, 18, 18	B	15"/2'	4	moist highly micaceous medium dark gray medium SAND; no trace of foliation. ← 1" Quartz/Feldspar? pod					highly weathered saprolite SP			6
8	20, 16, 20, 18	B	16"/2'	5	moist olive gray highly weathered "garnet schist?" medium sand, no foliation. moist highly micaceous dark gray fine to medium SAND; foliation dipping estimated 40° - weathered, ← 2"-3" high angle fracture, 1½" Quartz/feldspar? pod					SP saprolite SP		10" diameter auger hole	8
10	20, 14, 18, 18	B	18"/2'	6	moist olive gray highly micaceous fine to medium SAND, slightly silty. moist to very moist highly micaceous fine to medium SAND; trace silt; medium dark gray. moist to very moist olive gray highly micaceous fine to medium sand, trace silt; fracture coloration dipping estimated 50°					SP saprolite saprolite SP saprolite SP			10
12	22, 8, 9, 18	B	18"/2'	7	very moist dark gray very fine to fine SAND, highly micaceous, thin filled fracture dipping estimated 80°, trace silt. very moist to saturated dark yellowish orange to dark yellowish brown very fine to fine slightly silty SAND	1"-2" quartz/feldspar? pod				saprolite SP SP		Bentonite/Cement slurry	12
14	23, 8, 16, 24	B	19"/2'	8	saturated, highly micaceous dark yellowish brown very fine to fine SAND, trace silt, trace quartz/feldspar? veins dipping estimated 40°, weathered foliation dip estimated at 40°-50°.					SP			14
16	30, 14, 20, 20	B	23"/2'	9	saturated highly micaceous olive gray to dark gray very fine SAND. foliation not visible. ★all quartz/feldspar? pods/veins very weathered crossed fractures dipping estimated 45°					SP crossed fractures in quartz/feldspar? pod			16
18	10, 26, 26, 29	1.5	22"/2'	10	saturated grayish brown highly micaceous silty very fine to fine SAND; little to some fractures mottled dark yellowish orange dipping estimated range 40° and 80°.					SP-SM			18
20													20

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FIELD OPERATIONS REPORT

REWAI
Project No. 86021
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Total Depth	50'
Depth to S.S. Refusal	27.3'
Depth to Competent Bedrock	28.2'
SWL (Date)	
Screened Interval	40'-50'
Hole Diameter	4" ID
Monitoring Tube	2" ID PVC
Elev., Ground Surface	

Well No.	CW-4D
Driller	Scott Breeds (Empire)
Logged by	John Ward
Drilling Began	2-22-88
Drilling Completed	2-23-88
Well Const. Completed	2-24-88
Development Completed	
Elev., T.O.C.	

Depth	Blows/6"	VOA (ppm)	Recovery in/ft	Sample No. Run No.	Sample Description (USCS), GRN Size, Color, Shape texture, moistness, etc.	% Grn. Size C	S	Sd	Gr	Other Notes	Graphic Lith.	Well Const.	Depth
20	9 / 14 / 16	B	20" / 2'	11	saturated highly micaceous very fine to fine SAND trace silt?, two high angle parallel fractures estimate dip 80° have black manganese? coatings, olive gray to medium dark gray and dark yellowish brown. foliation not discernable.					SP		Slurry	20
22	28 / 10 / 13	B	19" / 2'	12	very moist to saturated (?) highly micaceous dark yellowish brown very fine to fine SAND; trace silt? foliation not observed. No fractures observed.					SP		Bentonite/Cement	22
24	19 / 24 / 14	B	16" / 2'	13	Saturated, as above, foliation not really observable. highly micaceous dark yellowish-brown slightly silty very fine to fine SAND. fractures coated w/ manganese? estimated dip 40° and 70°					SP			24
26	21 / 30 / 40												
	14 / 78	B	14" / 1'3"	14	saturated, as above, combined shades of olive gray, light brown (5/6) on dark yellowish brown. highly micaceous very fine to medium SAND, highly weathered foliation estimated dip 30°. Spoon refusal, 27'3" fractures, manganese coated? estimated dip 30° advanced augers to 28' → hard.					SP	Bottom of 10" auger hole		
	100/3"							28'	2'				
30		RQD 15½" / 3.6'	39" / 3.6'	core run	weathered biotite gneiss olive gray to medium gray very broken, as indicated. minor more competent zone between 36'2" and ~39'	dip point / Broken Zone	29.8 / 29.0 / 29.5' / 29.8' / 29.9' / 30.0' / 30.2' / 30.5' / 30.6'	25° / 30° / 5° / 10° / 20° / 20° / 40° / 40° / 25°	32.8' / 39.1' / 40.3' / 40.7' / 41.2' / 41.9'	mech. / 20° / 20° / 30° / 80° / mech.	Broken Zone / Broken Zone / 41.2' pegmatite / 42' / sand lense	Bentonite 4" borehole		30
32						fine to medium sand lense Broken Zone	31.0' / 31.3' / 32.0'	25° / — / 65°					32
34		RQD 4" / 5'	45" / 5'	core run	* unable to packer test because rock is so heavily broken up.		32.3' / 32.5' / 32.7' / 32.9'	mech. / 40° / 10° / 20°		Broken Zone		Thick Bentonite Powder Seal	34
						extreme broken zone	33.1' / 36'2" / 34' / 34.5'	20° / 30° / vert. / 85°/20°					
36		RQD 30" / 5'	50± / 5'	core run			36' / 36.8' / 37.0' / 37.8' / 38.2' / 38.6'	40°/70° / 30° / 30° / 30° / 30°/70° / 50°		Broken Zone		38'7" Top of Shale Sand Pack	36
40													40

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FIELD OPERATIONS REPORT		
REWAI	Total Depth 50'	Well No. CW-4D
Project No. 86021	Depth to S.S. Refusal 27.3'	Driller Scott Breeds (Empire)
Page 3 of 3	Depth to Competent Bedrock 28.2'	Logged by John Ward
	SWL (Date)	Drilling Began 2-22-88
	Screened Interval 40'-50'	Drilling Completed 2-23-88
	Hole Diameter 4" ID	Well Const. Completed 2-24-88
	Monitoring Tube 2" ID PVC	Development Completed
	Elev., Ground Surface	Elev., T.O.C.

Depth	Blows/6"	VOA (ppm)	Recovery in/ft	Sample No. Run No.	Sample Description (USCS), GRN Size, Color, Shape texture, moistness, etc.	% Grn. Size C	S	Sd	Gr	Other Notes	Graphic Lith.	Graphic Well Const.	Depth
40				core						weathered			40
					41.2'					Broken Zone			
					white, hard, quartz, trace biotite, plagioclase feldspar Pegmatite zone	42.4'	-						
42					Broken zone	42.6'	-					Top of well screen	42
						42.8'	40°			Pegmatite Zone			
						43'	mech						
						43.2'	60°						
		RQD				43.7'	60°						
44		23"/3.5'	3.5'/3.5'	core run		44.4	60°						44
						44.9'	40°						
					medium gray & black biotite gneiss, hard, some plagioclase feldspar/quartz stringers and pods plunging with "former foliation" dip cracks.	45'	30°			greenish tinted gneiss, more soft, "crystals" visible sphene? garnets?			
						45.2'	60°						
						45.6'	30°						
		RQD	45.5'		white and dark yellowish orange quartz, plagioclase feldspar, trace biotite pegmatite zone	46.3'	30°			Pegmatite Zone			
46		6"/1.2'±	9"/1.2'±	core run		46.9'	30°					2" ID Sch 40 0.020" flush joint PVC well screen	46
						47.4'	30°						
					soft greenish gray silty sandy clay, some reddish-brown crystals	47.6'	broken & weathered			silty sandy clay seam			
						47.9'							
			47.9'			47.9'	30°						
						48.1'	mech			47.7' → 48.8' somewhat more weathered tinted greenish gray w/ some dark yellow orange mottling trace Quartz pods.			
		RQD				48.4'	30°						
		16"/2.1'±	24"/2.1'±	core run	48.8' hard medium gray & black biotite gneiss	48.7	30°						
						48.6'	30°						
						48.7	highly weathered						
50			50'			48.9'	30°						50
						49.2'	30°	mech				Bottom of 4" core hole	
						49.5'	30°	mech					
						50'	mech						

* well completed with a flush-mount manhole.

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FIELD OPERATIONS REPORT

REWAI
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Total Depth	35'
Depth to S.S. Refusal	—
Depth to Competent Bedrock	—
SWL (Date)	
Screened Interval	25'-35'
Hole Diameter	10" ID
Monitoring Tube	2" ID PVC
Elev., Ground Surface	

Well No.	CW-4 I
Driller	Scott Breeds (Empire)
Logged by	John Ward
Drilling Began	2-24-88
Drilling Completed	2-24-88
Well Const. Completed	2-24-88
Development Completed	
Elev., T.O.C.	

Depth	Blows/6"	VOA (ppm)	Recovery In/ft	Sample No. Run No.	Sample Description (USCS), GRN Size, Color, Shape texture, moistness, etc.	Other Notes	Graphic: Lith.	Graphic: Well Const.	Depth
0					Refer to the well log of CW-4D for lithology.				0
2					Blank augered from 0' to 37.'				2
					* well completed with a flush-mount manhole.				
4								10" diameter auger hole	4
6									6
8									8
10									10
12									12
14								Bentonite/Cement Slurry	14
16									16
18									18
20									20

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FIELD OPERATIONS REPORT

REWAI

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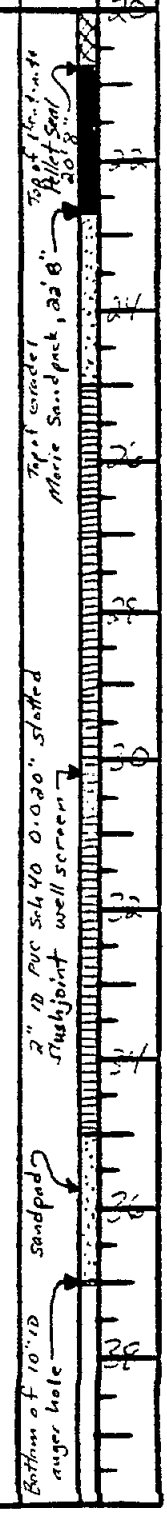
Total Depth	35'
Depth to S.S. Refusal	—
Depth to Competent Bedrock	—
SWL (Date)	
Screened Interval	25'-35'
Hole Diameter	10" ID
Monitoring Tube	2" ID PVC
Elev., Ground Surface	

Well No.	CW-4I
Driller	Scott Breeds (Empire)
Logged by	John Ward
Drilling Began	2-24-88
Drilling Completed	2-24-88
Well Const. Completed	2-24-88
Development Completed	
Elev., T.O.C.	

Depth	Blows/6"	VOA (ppm)	Recovery in/ft	Sample No. Run No.	Sample Description (USCS), GRN Size, Color, Shape texture, moistness, etc.	Other Notes	Graphic: Lith.	Graphic: Well Const.	Depth
20									20
25									25
30									30
35									35



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FIELD OPERATIONS REPORT

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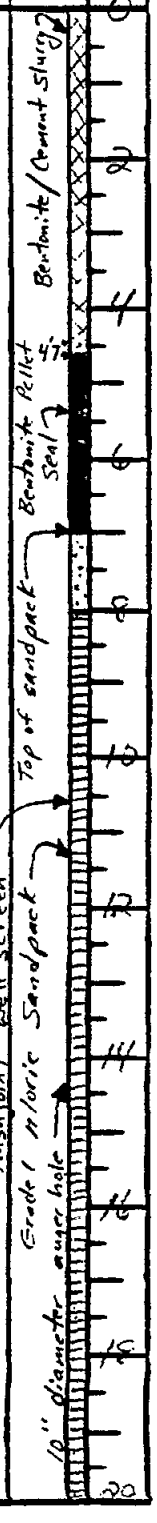
Total Depth	23'
Depth to S.S. Refusal	—
Depth to Competent Bedrock	—
SWL (Date)	
Screened Interval	8' - 23'
Hole Diameter	10" ID
Monitoring Tube	2" ID PVC
Elev., Ground Surface	

Well No.	CW-4S
Driller	Scott Breeds (Empire)
Logged by	John Ward
Drilling Began	2-25-88
Drilling Completed	2-25-88
Well Const. Completed	2-25-88
Development Completed	
Elev., T.O.C.	

Depth	Blows/6"	VOA (ppm)	Recovery In/ft	Sample No. Run No.	Sample Description (USCS), GRN Size, Color, Shape texture, moistness, etc.	Other Notes	Graphic: Lith.	Graphic: Well Const.	Depth
0					Refer to the well log of CW-4D for lithology.				0
2					Blank augered from 0' to 23 1/2'.				2
					* Well completed with a flush-mount manhole.				
4									4
6									6
8									8
10									10
12									12
14									14
16									16
18									18
20									20



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FIELD OPERATIONS REPORT

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Total Depth 23'
Depth to S.S. Refusal —
Depth to Competent Bedrock —
SWL (Date)
Screened Interval 8'-23'
Hole Diameter 10" ID
Monitoring Tube 2" PVC
Elev., Ground Surface

Well No. CW-45
Driller Scott Breeds (Empire)
Logged by John Ward
Drilling Began 2-25-88
Drilling Completed 2-25-88
Well Const. Completed 2-25-88
Development Completed
Elev., T.D.C.

Depth	Blows/6"	VOA (ppm)	Recovery In/ft	Sample No. Run No.	Sample Description (USCS), GRN Size, Color, Shape texture, moistness, etc.	Other Notes	Graphic Lith.	Graphic Well Const.	Depth
20									20
22									22
24								Sandpad Bottom of 10" ID auger hole	24

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FIELD OPERATIONS REPORT

[illegible]EWAI
[illegible]oject No. 86021
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Total Depth	46'
Depth to S.S. Refusal	18.3'
Depth to Competent Bedrock	23.5'
SWL (Date)	
Screened Interval	36'-46'
Hole Diameter	4.0"
Monitoring Tube	2" ID PVC
Elev., Ground Surface	

Well No.	CW-5D
Driller	EMPIRE SCOTT BREEDS
Logged by	SGR/JNW
Drilling Began	2/15/88
Drilling Completed	2/16/88
Well Const. Completed	2/17/88
Development Completed	
Elev., T.O.C.	

Depth	Blows/6"	VOA (ppm)	Recovery in/ft	Sample No. Run No.	Sample Description (USCS), GRN Size, Color, Shape texture, moistness, etc. B= BACKGROUND	% Grn. Size C	S	Sd	Gr	Other Notes	Graphic Lith.	Well Const.	Depth
	5 8 5 6 4	B	15"/2'	1	moist moderate dark yellow brown to dark yellow brown, trace silt, fine to med sands, trace 1/4" pebbles, trace 1" pebbles, slightly micaceous					SP Top Soil			0 2
	3 3 7 4	B	16"/2'	2	moist to very moist, moderate dark yellow brown to dark yellow brown, slightly silty, fine to medium sand, trace 1/4" rock fragments, some mica					SP Fill?			4
	4 3 4	B	13"/2'	3	moist - same as above					SP			6
	5 6 4	B	11"/2'	4	moist to very moist, moderate yellow brown, very fine to fine sands, rootlets - trace, possible remnant fracture lines, highly micaceous					SP Saprolite? Highly weathered		10" auger hole	8
	4 7	B	16 1/2"/2'	5	moist to very moist to saturated, moderate brown silty fine sand, very micaceous. Same as above					Sm-SP Saprolite?			
	18 21				Highly weathered schist fragments							Bentonite/Cement Slurry	10
	8		11"/2'	6	moist to saturated - same as above, some schist fragments								
	4 4 18				oil saturated, medium blue gray to dark gray, very fine to fine silty sand					Sm			12
	43 51		19"/2'	7	oil saturated, dark yellow brown to medium brown fine to medium silty sand - Spoon has oil sheen on it								
	23 12				oil saturated, dark yellow brown to med. brown, very soft, very fine to fine silty sand saturated. same as above					Sm			14
	30 100/6"		17"/2'	8	Saturated dusky brown, medium sand very silty and rock fragments - probably schist - NO OIL					Sm/Rock Fragments			16
	22				Saturated, med brown very silty fine grain sand, rock fragments					Sm/Rock Fragments			
	48		19"/2'	9	Rock fragments. Weathered schist Saturated, dark yellow brown, med. grain sand, silty					Sm/Rock Fragments			18
	100/3			10	TOP OF COMPETENT ROCK Saturated, medium silty sand, moderate brown to dusky brown					SPOON REFUSAL			20

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FIELD OPERATIONS REPORT

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Total Depth	46'
Depth to S.S. Refusal	18.3'
Depth to Competent Bedrock	23.5'
SWL (Date)	
Screened Interval	36'-46'
Hole Diameter	4.0"
Monitoring Tube	2" ID PVC
Elev., Ground Surface	

Well No.	CW-5D
Driller	Scott Breeds (Empire)
Logged by	0'-18.3' SGR, 18.3'-46' JNW
Drilling Began	2-15-88
Drilling Completed	2-16-88
Well Const. Completed	2-17-88
Development Completed	
Elev., T.O.C.	

Depth	Blows/6"	VOA (ppm)	Recovery in/ft	Sample No. Run No.	Sample Description (USCS), GRN Size, Color, Shape texture, moistness, etc.	% Grn. Size C	S	Sd	Gr	Other Notes	Graphic Lith.	Well Const.	Depth
18					Top of weathered bedrock		18.3'						18
					olive black to medium gray biotite gneiss.					Broken Zone		18.8'	
20		RQD 4"/2.2'	10"/22'	core run	this zone heavily broken, weathered, "sandy". no oily sheen in tub water 1/4 tub of water lost into hole					19.4' 19.7' Broken Zone		Bottom 10" auger hole	20
22										20.7'			22
		RQD 17"/5'	46"/5'	core run	starting to get harder at 23.2'					broken zone 22' 23.3'			
24					Top competent (hard) bedrock hard olive black to medium gray biotite gneiss.	dip	crack	19.4'	20°				24
								20.7'	20°				
								20.9	25°				
								21.0'	20°				
					dipcrack depth angle			21.3'	30°	some sand			
					~~[illegible]~~'			21.5'	40°				26
					30.6' 5° hard, hole taking some water, no water return			21.7'	40°	Quartz filled			
					31' 25°			21.9'	40°				
					31.3' 20°			22.1'	40°	heavily weathered			
					31.8' 20°			22.5'	25°				
28		RQD 39"/5'	50"/5'	core run	31.9' 55°			22.7'	20°				28
					32.4' mechanical			23.10'					
					33.3' 40°					broken Zone			
					33.8' 35°			24.3'		dipcrack			
					34.6' 5°			24.3'	40°				
					34.8' 15°			24.9'	10°	mechanical			30
					35.5' 30°			25.7'	30°				
					36' mechanical			26.1'	30°				
					35.1' 60°			26.5'	35°			31.5'	
32								26.7'	35°				32
					sandpack bridged during construction causing the top of sandpack to be slightly higher than the expected 34'.			27.0'	40°				
		RQD 54"/5'	61"/5'	core run				27.2'	10°	mechanical			
34								27.7'	40°				34
								28.8	40°				
								29.1'	20°				
								29.7'	65°				
								30.2'	40°				
								29'					36
					core hole still taking much water			30'		Broken weathered Zone			
				run				30.5'					
38								31'		Broken, weathered Zone		Top of screen	38

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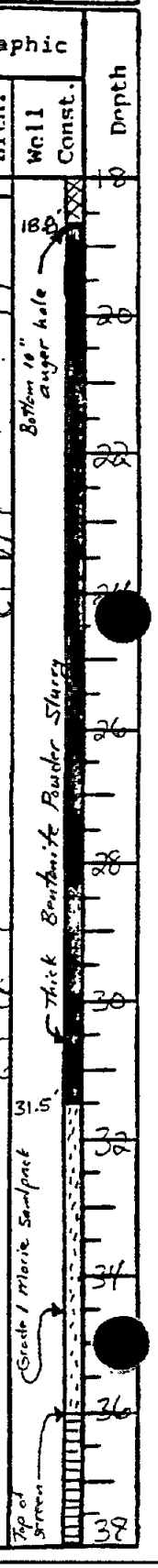
Thick Bentonite Powder Slurry



Grade 1 Morie Sandpack

FIELD OPERATIONS REPORT

REWAI

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Total Depth	46'
Depth to S.S. Refusal	18.3'
Depth to Competent Bedrock	23.5'
SWL (Date)	
Screened Interval	36'-46'
Hole Diameter	4.0"
Monitoring Tube	2" ID PVC
Elev., Ground Surface	

Well No.	CW-5D
Driller	Scott Creeds (Empire)
Logged by	John Ward
Drilling Began	2-15-88
Drilling Completed	2-16-88
Well Const. Completed	2-17-88
Development Completed	
Elev., T.O.C.	

Depth	Blows/6"	VOA (ppm)	Recovery in/ft	Sample No. Run No.	Sample Description (USCS), GRN Size, Color, Shape texture, moistness, etc.	Grn. Size C	S	Sd	Gr	Other Notes	Graphic Lith.	Well Const.	Depth
36													36
		RQD 20"/5'	48"/5'	core run	biotite gneiss	dip crack		36.2'	40°				
								36.4'	30°				
								36.5'	5°				
40								36.8'	50°				40
								37.1'	10°				
								37.7'	30°				
								37.9'	mechanical				
42								38.0'	40°				42
		RQD 48"/5'	61"/5'	core run				38.1'	40°				
								38.2'	40°				
								38.4'	40°				
44								38.6'	mechanical				44
								38.9'	mechanical				
								39.0'					
								39.6'	3	broken zone			
46								39.8'	mechanical				46
								40.1'	30°				
								40.5'	30°				
								41.0'	40°				
								41.5'	40°				
								42.0'	25°				
								42.4'	mechanical				
								43'	30°				
								43.5'	30°				
								43.8'	30°				
								45.1'	mechanical				
								45.2'	mechanical				
								45.3'	20°				
								45.5'	40°				
								36.0'	35°				
								44'	40°				

Bottom of 4" core hole

2" ID Sch. 40 0.020" slotted PVC well screen

flush joint

AR300470

FIELD OPERATIONS REPORT

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Total Depth 46'
Depth to S.S. Refusal 18.3'
Depth to Competent Bedrock 23.5'
SWL (Date)
Screened Interval 36'-46'
Hole Diameter 4.0"
Monitoring Tube 2" ID PVC
Elev., Ground Surface

Well No. CW-5D
Driller Scott Breeds (Empire)
Logged by John Ward
Drilling Began 2-15-88
Drilling Completed 2-16-88
Well Const. Completed 2-17-88
Development Completed
Elev., T.O.C.

Depth	Blows/6"	VOA (ppm)	Recovery in/ft	Sample No. Run No.	Sample Description (USCS), GRN Size, Color, Shape texture, moistness, etc.	% Grn. Size C	S	Sd	Gr	Other Notes	Graphic Lith.	Well Const.	Depth
					2/17/88 CW-5D Packer Tests					in-line dual packer system			
					SWL: 11'3" G.S. (auger) 11'4" G.S. (core barrel)								
					Test Interval - 34'-46'								
					Packer pressure 160 psi								
					30 psi test								
					Time (min.) Volume (gal.)								
					0 930.2								
					1 951.2								
					2 971.9					seal held at packer			
					3 992.5								
					4 1013.1								
					5 1033.7								
					40 psi Test								
					Time (min.) Volume (gal.)								
					0 1191.4								
					1 1214.0					seal held at packer.			
					2 1237.5								
					3 1261.2								
					4 1284.5								
					5 1308.3								

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FIELD OPERATIONS REPORT

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Total Depth	31'
Depth to S.S. Refusal	—
Depth to Competent Bedrock	—
SWL (Date)	
Screened Interval	21'-31'
Hole Diameter	10" & 4"
Monitoring Tube	2" ID PVC
Elev., Ground Surface	

Well No.	CW-5 I
Driller	Scott Breeds (Empire)
Logged by	John Ward
Drilling Began	2-17-88
Drilling Completed	2-17-88
Well Const. Completed	2-18-88
Development Completed	
Elev., T.O.C.	

Depth	Blows/6"	VOA (ppm)	Recovery in/ft	Sample No. Run No.	Sample Description (USCS), GRN Size, Color, Shape texture, moistness, etc.	% Grn. Size C	S	Sd	Gr	Other Notes	Graphic Lith.	Well Const.	Depth
0					Refer to well log CW-5D for lithology. Blank augered 10" diameter borehole to 23.2'. 4" diameter rock core from 23.2' to 31'.								0
2													2
4					* Double checked the lithology of the rock core at 31' in this well; matched perfectly with that of CW-5D.								4
6													6
8												Bentonite/Cement Slurry	8
10													10
12													12
14												Thick Bentonite Powder Seal	14
16													16
													18
20										Top of sand pack	19.6'		20

AR300472

FIELD OPERATIONS REPORT REWAI Project No. 86021 Page 2 of 2	Total Depth 31' Depth to S.S. Refusal — Depth to Competent Bedrock — SWL (Date) Screened Interval 21'-31' Hole Diameter 10"&4" Monitoring Tube 2"ID PVC Elev., Ground Surface	Well No. CW-5I Driller Scott Breeds (Empire) Logged by John Ward Drilling Began 2-17-88 Drilling Completed 2-17-88 Well Const. Completed 2-18-88 Development Completed Elev., T.O.C.

Depth	Blows/6"	VOA (ppm)	Recovery in/ft	Sample No. Run No.	Sample Description (USCS), GRN Size, Color, Shape texture, moistness, etc.	% Grn. Size C	S	Sd	Gr	Other Notes	Graphic Lith.	Well Const.	Depth
20													20
22													22
24													24
26													26
28													28
30													30
32													32

Graphic: Bottom of 10" dia. auger hole (23.2') Beginning of 4" dia core hole (23.2')

Well Const.: Graded Morie Sandpack Top of well screen 21'

2"ID 0.020" Sch 40 slotted PVC well screen

Bottom 4" dia core hole (31')

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Total Depth	18.5'
Depth to S.S. Refusal	—
Depth to Competent Bedrock	—
SWL (Date)	
Screened Interval	8-18'
Hole Diameter	10"
Monitoring Tube	2" ID PVC
Elev., Ground Surface	

Well No.	CW-5S
Driller	Empire (Scott Breeds)
Logged by	SGR rewritten by JNW
Drilling Began	2/18/88
Drilling Completed	2/18/88
Well Const. Completed	2/18/88
Development Completed	
Elev., T.O.C.	

Depth	Blows/6"	VOA (ppm)	Recovery in/ft	Sample No. Run No.	Sample Description (USCS), GRN Size, Color, Shape texture, moistness, etc.	Other Notes	Graphic: Lith.	Graphic: Well Const.	Depth
0					Refer to monitoring well CW-5D log for lithology. Blank augered 0'-18.5' with 6" ID hollow-stem augers.	Bentonite/cement slurry; 2" ID Sch 40 flushjoint PVC riser pipe; Bentonite Pellets; Grade 1 Monie Sand pack; 2" ID Sch 40 flushjoint 0.020 inch slotted PVC well screen; Bottom of 10" auger hole		3'7"; 5'8"; 18.5'	0
2									2
4									4
6									6
8									8
10									10
12									12
14									14
16									16
18									18
20									20

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Total Depth	48.5'
Depth to S.S. Refusal	23'
Depth to Competent Bedrock	24.5'
SWL (Date)	15.18' TOPVC (3/2/88)
Screened Interval	37.5' to 47.5'
Hole Diameter	8" to 24.5'/4" to 48.5
Monitoring Tube	2" PVC
Elev., Ground Surface	

Well No.	CW-6D
Driller	Empire Rick Emerson
Logged by	[illegible]
Drilling Began	2/17/88
Drilling Completed	2/18/88
Well Const. Completed	2/19/88
Development Completed	3/2/88
Elev., T.O.C.	

Depth	Blows/6"	VOA (ppm)	Recovery in/ft	Sample No. Run No.	Sample Description (USCS), GRN Size, Color, Shape texture, moistness, etc.	% Grn. Size C	S	Sd	Gr	Other Notes	Graphic Lith.	Well Const.	Depth
	A A				Asphalt + Sub base								
2	13 16 13	B	15/2"	1	Dry to moist, olive gray, med. sand, trace 1/4" pebbles, trace 1/2" pebbles. Some cinders. Fill.					Fill Background OVA 0-3ppm		CEMENT 3HH 4% BENTONITE TO 22.0'	
3	10 3				Dry to moist, moderate yellow brown, med. sand Little silt. Fill.								
	3 3 3	B	11/2"	2	moist, dusky brown to dark yellowish brown, medium to fine sand, highly micaceous, trace 1/4" pebbles Trace silt. Fill.					SW			
6	2 3 4	B	12/2"	3	moist to very moist, dusky yellowish brown to moderate yellow, fine to medium sand trace quartz granules, micaceous moist to saturated, same as above, trace rootlets, little cinders. Fill.					SW/SM			
	3 3 4	B	19/2"	4	Saturated, olive gray to brownish black, very fine sand, little clay, some cinders Pieces of RR ties, brick. Fill.					SM			
7 10	5 3 4 4	B	1/2"	5	Saturated, olive black, very fine sand, some clay, little cinders, trace pieces brick, trace rootlets. Little silt. Fill.					SM (ML)			
	4 5 4 3 4	B	15/2"	6	Saturated, same as above, trace 1/2" pebbles, wood debris, Fill.							CEMENT 3HH 4% BENTONITE TO 22.0'	
	2 3 21 17 6	B	21/2"	7	Saturated, dark yellowish brown, very fine sand, some clay. Fill.					SM			
6	11 7	B	16/2"	8	Saturated, dark yellowish brown, fine to med. sand, some quartz granules. Fill. (Possible saprolite). Same as above accept medium gray					SM			
2	5 7 9 7 16	B	10/2"	9	Saturated, dark yellowish orange, med. to fine grain sand, highly micaceous, highly weathered, trace 1/4" pebbles (saprolite?) Saturated dark yellowish orange, fine to med. sand, highly micaceous, highly weathered slightly silty saprolite. quartz rock fragments					Sp SM			
30	21	B											

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Total Depth	48.5'
Depth to S.S. Refusal	23'
Depth to Competent Bedrock	24.5'
SWL (Date)	15.18' TOPVC (3/2/88)
Screened Interval	37.5' to 47.5'
Hole Diameter	8" to 24.5' / 4" to 48.5'
Monitoring Tube	2" PVC
Elev., Ground Surface	

Well No.	CW-6D
Driller	EMPIRE SOILS
Logged by	JST/SGR
Drilling Began	2/17/88
Drilling Completed	2/18/88
Well Const. Completed	2/19/88
Development Completed	3/2/88
Elev., T.O.C.	

Depth	Blows/6"	VOA (ppm)	Recovery in/ft	Sample No. Run No.	Sample Description (USCS), GRN Size, Color, Shape texture, moistness, etc. ★ indicate possible WBZ	Breaks Depth	C	S	N/M Sd	Gr	Other Notes	Graphic Lith.	Well Const.	Depth
	32 21 16	B	18"/2'	9	Saturated, medium dark gray to brownish gray medium grained sand. Trace silt. Sand is micaceous. Saprolite.						SM		CEMENT	
22.0	48 100	B	0"	10	Saturated, moderate brown to dark yellow brown, medium to fine grained sand. Sand very micaceous. Little silt. Saprolite.						SM			22.0
24.5	18 3" 1 A	B	0"	11	Becoming much harder.						Split Spoon Refusal 23' SWL in augers 2/18/88 17'7" GS		BENTONITE SLURRY TO 35'	24.5
26.0	CORED	B	24"/4'	RUN 1	Silvery grayish black biotite gneiss. Rock appears schist-like from 24.5' to 26'. Very highly weathered from 24.5' to 27.5'. Rock is highly broken. Many high angle fractures but due to low return these cannot be precisely located. Fractured surfaces are heavily iron stained. Some manganese staining also. Trace highly weathered garnets. Many silt and sand filled seams (micaceous). Quartz and feldspar interspersed between biotite give the rock a salt and pepper appearance.			ROCK VERY BROKEN			Oily sheen on water in tub. Rock is highly broken. Trace muscovite. RQD 4"/24" Fractures - 50-70° END RUN #1			28.5
30.0	CORED	B	54"/5'	RUN 2	Upper .5' broken as above then becoming more competent. Same as above with banding apparent. Banding caused by accumulation of biotite grains (dark bands) and quartz/feldspar grains (light bands). Bands are curved but have a general 40-50° dip. Veins and pods of quartz and feldspar also present. Some textural changes (finer to coarser grained) also apparent. Rock is very weathered and highly deformed. Little muscovite. Also trace bronzy colored mica.	28.5 to 29	BROKEN ZONE				Oily scum on water in tub. Rock still quite broken. Fracture at 31.85' has clay smeared surface. RQD 20"/54" END RUN #2			33.5
						29.3	30°	N						
						29.6	35°	N						
						29.7	30°	N						
						29.9	35°	N						
						30.5	35°	N						
						30.85	40°	N						
						30.9	35°	N						
						31.0	∿	M						
						31.05	V	M						
						31.15	30°	N						
						31.3 to 31.6	BROKEN ZONE							
						31.85	35°	N						
						32.0	50°	N						
						32.4	40°	N						
						33.5	45°	N/M						
36.0	CORED	B	60"/5'	RUN 3	Same as above with a 1" wide, white quartz/feldspar vein at 37.3'.	33.65	50°	N			Rock quite broken.			35.0
						33.9	55°	M						
						34.8	50°	M						
						35 to 36.2	BROKEN ZONE							
						35.6	50°	M						
						35.9	30°	N						
						36.15	⌒	N/M			36.3' to 36.8' vertical break			
						36.3	BROKEN ZONE ★							
						36.5	40°	N						
						36.8	20°	N						
						37 to 37.3	BROKEN ZONE ★							
						37.4	40°	N			RQD 27"/60"			
						37.7	50°	N						
						38 to 38.3	BROKEN ZONE ★							
						38.5	40°	N			END RUN #3			38.5
40.0	CORED	B	60"/5'	RUN 4	Silvery grayish black (salt & pepper) biotite gneiss. Appears as if white quartz and feldspar increase around 39'. At 40' there are large quartz/feldspar pods. Rock highly deformed. Muscovite increases slightly.	38.7	15°	M			Rock much less broken. Coarse grains.		SAND PACK	
						38.75	15°	M						
						39.5	40°	N						
						39.9	10°	M						

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Total Depth	48.5'
Depth to S.S. Refusal	23'
Depth to Competent Bedrock	24.5'
SWL (Date)	15.18' TOPVC (3/2/88)
Screened Interval	37.5' to 47.5'
Hole Diameter	8" to 24.5'/4" to 48.5'
Monitoring Tube	2" PVC
Elev., Ground Surface	

Well No.	CW-6D
Driller	EMPIRE SOILS
Logged by	JST
Drilling Began	2/17/88
Drilling Completed	2/18/88
Well Const. Completed	2/19/88
Development Completed	3/2/88
Elev., T.O.C.	

Depth	Blows/6"	VOA (ppm)	Recovery in/ft	Sample No. Run No.	Sample Description (USCS), GRN Size, Color, Shape texture, moistness, etc. ★ indicates possible WBZ	N-natural M-mechanical BREAKS DEPTH C	∠ S	N/M Sd	Gr	Other Notes	Graphic Lith.	Graphic Well Const.	Depth
42.0	CORED	B	60"/5'	RUN 4	Grayish black biotite gneiss. Salt and pepper appearance. More quartz and feldspar present. Rock appears highly deformed with very curved and at times nearly vertical banding present. Bands are generally quartz/feldspar accumulations. Along breaks the rock appears somewhat schistose. Rock is much less broken.	40.6 41.0 42.7 43.3 43.5	30° ~ 55° 50° BRO	N★ N/M N/M N/M KEN	★	RQD 43"/60" END RUN #4		SAND PACK	
46.0	CORED	B	60"/5'	RUN 5	Same as above.	44.5 44.55 44.9 45.6 46.7 47.2 47.7	30° 40° 40° ~ 20° 30° 30°	N★ N★ N M M N/M M		Rock not highly broken Coring very smoothly. Rock is harder. Not taking much drilling water. RQD 50"/60" END RUN #5			47.5 48.5

BOTTOM OF HOLE 48.5'

PACKER TEST

	30 PSI	35 PSI	40 PSI
Initial Reading	1320.0	1330.2	1343.2
1 minute	1321.6	1332.2	1346.3
2 minutes	1322.9	1334.1	1348.8
3 minutes	1324.4	1336.2	1351.8
4 minutes	1325.8	1337.9	1354.9
5 minutes	1327.2	1339.9	1358.8

Packer set at 37.5' to 47.5'
WL: 13'5" GS

Well Construction Info

Screen 37.5' to 47.5' (1 section)
Solid PVC riser ~.5' to 37.5' (4 sections)
Sand pack 35' to 48.5'
bentonite slurry 22' to 35'
cement (4% bentonite) ~1' to 22'
Driveover installed

Materials Used

Grade 1 Morie Sand 1 bag
Benseal ½ bag
Cement 6 bags
Driveover

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Total Depth 34.5'	Well No. CW-6I
Depth to S.S. Refusal NA	Driller EMPIRE SOILS INC.
Depth to Competent Bedrock 24.5'	Logged by JST/SGR
SWL (Date)	Drilling Began 2/19/88
Screened Interval 27' to 34'	Drilling Completed 2/22/88
Hole Diameter 8" to 24.5'/4" to 34.5'	Well Const. Completed 2/22/88
Monitoring Tube 2" PVC	Development Completed
Elev., Ground Surface	Elev., T.O.C.

Dep	Blows/6"	VOA (ppm)	Recovery In/Ft	Sample No. Run No.	Sample Description (USCS), GRN Size, Color, Shape texture, moistness, etc.	Other Notes	Graphic Lith.	Graphic Well Const.	Depth
	AUGERED	B		NO SAMPLES COLLECTED FOR THIS HOLE	Lithologic log for this hole is shown on log for Well CW-6D. This hole was blank drilled and cored to 34.5' for an intermediate setting in highly weathered biotite schist bedrock. This rock is very broken and has many micaeous sand filled fractures.	Water level in augers ~16' on 2/22/88	SEE LOG ON CW-6D SHEET FOR LITHOLOGY	CEMENT WITH 4% BENTONITE TO 20'	
0									
		B			The rock in this well was much more broken and weathered from 24.5' to 34.5' than in CW-6D.				
	AUGERED	B							
		B			Augered hard from 6' to 7.5'.				
0	AUGERED	B							
		B							
10	AUGERED	B			Augered hard around 12'.			CEMENT WITH 4% BENTONITE TO 20'	
		B							
0	AUGERED	B			Saturated mud coming off of auger flights has and oily sheen.				
2		B			Augering hard and soft from 18' to 24.5'.				
		B							20.0

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Total Depth	34.5'
Depth to S.S. Refusal	NA
Depth to Competent Bedrock	24.5'
SWL (Date)	
Screened Interval	27' to 34'
Hole Diameter	8" to 24.5'/4" to 34.5'
Monitoring Tube	2" PVC
Elev., Ground Surface	

Well No.	CW-6I
Driller	EMPIRE SOILS INC.
Logged by	JST/SGR
Drilling Began	2/19/88
Drilling Completed	2/22/88
Well Const. Completed	2/22/88
Development Completed	
Elev., T.O.C.	

Depth	Blows/6"	VOA (ppm)	Recovery in/ft	Sample No. Run No.	Sample Description (USCS), GRN Size, Color, Shape texture, moistness, etc.	Other Notes	Graphic Lith.	Graphic Well Const.	Depth
	AUGERED	B		NO SAMPLES COLLECTED FOR THIS HOLE			SEE LOG ON CW-6D SHEET FOR LITHOLOGY	PELTONITE	
2.0					Augering becoming much more difficult.				
		B							
	CORED	B	RUN #1 2'/5'		Water in mud tub from coring has a definite oily sheen.				25.0
		B			Well Construction Info Screen: 27' to 34' solid PVC riser: 0.5' to 27' sand pack: 25' to 34.5' peltonite seal: 20' to 25' cement with 4% bentonite: ~1' to 20' Driveover 8" hole to 24.5' 4" hole 24.5' to 34.5'			SAND PACK	27.0
3.0	CORED	B	RUN #2 3'/5'		used 1 section screen cut to 7' 3 sections riser (1 cut) cement 7 bags benseal ½ bag sand 1 bag peltonite 2 bags			SAND PACK	
2.0	CORED	B							
									34.0
4.5			RUN 3		Bottom of Hole 34.5'				34.5

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Total Depth	24.5'
Depth to S.S. Refusal	NA
Depth to Competent Bedrock	24.5'
SWL (Date)	
Screened Interval	8' to 24'
Hole Diameter	8"
Monitoring Tube	2" PVC
Elev., Ground Surface	

Well No.	CW-6S
Driller	EMPIRE SOILS INC.
Logged by	JST
Drilling Began	2/22/88
Drilling Completed	2/22/88
Well Const. Completed	2/23/88
Development Completed	
Elev., T.O.C.	

Depth	Blows/6"	VOA (ppm)	Recovery in/ft	Sample No. Run No.	Sample Description (USCS), GRN Size, Color, Shape texture, moistness, etc.	Other Notes	Graphic: Lith.	Graphic: Well Const.	Depth
					Lithologic log for this hole is shown on log for well CW-6D. This hole was blank drilled to 24.5' for a shallow setting.	Water level in augers on 2/23/88 was 15'5" GS.			0.5
		B			Saturated mud has a slight sheen.				4.0
		B							6.0
					Augers hard from ~6' to 8'				8.0
		B							
		B							
					Augers hard around 17' (soft again 18').				
		B							
		B							
					Some silt and very fine sand inside 2" PVC. (~3").	Augers hard at 24'.			24.0
					Bottom of hole 24.5'				24.5

Well Construction Info

8" hole to 24.5'
Screen from 8' to 24'
solid PVC from 0.5' to 8'
Sand pack (Grade 1 Morie) 6' to 24.5'
Peltonite seal 4' to 6'
Cement with 4% bentonite ~1' to 4'
drivecover

Materials Used

Grade 1 Morie Sand - 9 bags
Peltonite - 2 buckets
Cement - 2 bags
2" PVC screen - 20' cut to 16'
2" PVC solid - 10' cut to ~8'
Driveover/ locking cap

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APPENDIX 2

Chemical Results

2.1 Air Quality Samples

- 2.1.1 Round 1
- 2.1.2 Round 2
- 2.1.3 Round 3

2.2 Soil Samples

2.3 Sediment Samples

2.4 Surface Water Samples

2.5 Groundwater Samples

- 2.5.1 Round 1
- 2.5.2 Round 2

2.6 Oil Specific Gravity Analysis

2.1 Air Quality Sample Results

2.1.1 Round 1

	SITE	86021	86021	86021	86021
	POINT	AIR-1	AIR-1 DUP	AIR-2	AIR-3
	SAMPLE	7/1/87	7/1/87	7/1/87	7/1/87
	UNITS	NG/M3	NG/M3	NG/M3	NG/M3
	DATE	7/27/87	7/27/87	7/27/87	7/27/87
CMPD CL	CMPD-DESC				
101 M	ANTIMONY	2.0U NG/M3	2.8U NG/M3	5.2 NG/M3	4.5U NG/M3
102 M	ARSENIC	9.0 NG/M3	11 NG/M3	9.6 NG/M3	13 NG/M3
103 M	BERYLLIUM	2.0 NG/M3	1.6 NG/M3	3.5 NG/M3	2.4 NG/M3
104 M	CADMIUM	1.0U NG/M3	0.7U NG/M3	1.3 NG/M3	1.1U NG/M3
105 M	CHROMIUM	12 NG/M3	15 NG/M3	27 NG/M3	12 NG/M3
106 M	COPPER	159 NG/M3	176 NG/M3	105 NG/M3	168 NG/M3
107 M	LEAD	1.0U NG/M3	1.0U NG/M3	126 NG/M3	27 NG/M3
108 M	MERCURY	0.63 NG/M3	0.5 NG/M3	0.31 NG/M3	0.52 NG/M3
109 M	NICKEL	5.0 NG/M3	5.5 NG/M3	6.1 NG/M3	11 NG/M3
110 M	SELENIUM	1.0U NG/M3	1.3U NG/M3	1.4U NG/M3	2.1U NG/M3
111 M	SILVER	1.0U NG/M3	0.5U NG/M3	0.5U NG/M3	0.9U NG/M3
112 M	THALLIUM	1.0U NG/M3	1.3U NG/M3	1.4U NG/M3	2.1U NG/M3
113 M	ZINC	4930 NG/M3	6010 NG/M3	13170 NG/M3	10010 NG/M3
114 M	BARIUM	140 NG/M3	160 NG/M3	181 NG/M3	237 NG/M3
115 M	IRON	930 NG/M3	1020 NG/M3	1500 NG/M3	1170 NG/M3
116 M	MANGANESE	25 NG/M3	29 NG/M3	53 NG/M3	28 NG/M3
117 M	VANADIUM	1.0U NG/M3	0.7U NG/M3	1.7 NG/M3	1.1U NG/M3
118 M	ALUMINUM	3840 NG/M3	4970 NG/M3	10740 NG/M3	8370 NG/M3
120 M	COBALT	0.6U NG/M3	0.7U NG/M3	0.7U NG/M3	1.1U NG/M3
121 M	MAGNESIUM	1600 NG/M3	1950 NG/M3	5060 NG/M3	1420 NG/M3
129 M	CALCIUM	4320 NG/M3	5090 NG/M3	13540 NG/M3	5360 NG/M3
130 M	SODIUM	20700 NG/M3	26700 NG/M3	41480 NG/M3	44740 NG/M3
131 M	POTASSIUM	5230 NG/M3	6550 NG/M3	10730 NG/M3	11230 NG/M3
1001	CYANIDE	10U NG/M3	10U NG/M3	10U NG/M3	10U NG/M3
	VOLATILE ORGANIC COMPOUNDS				
203 V	BENZENE	1500 NG/M3	1400 NG/M3	2000 NG/M3	2000 NG/M3
205 V	BROMOFORM	87U NG/M3	87U NG/M3	87U NG/M3	87U NG/M3
206 V	CARBON TETRACHLORIDE	87U NG/M3	87U NG/M3	87U NG/M3	87U NG/M3
207 V	CHLOROBENZENE	87U NG/M3	87U NG/M3	87U NG/M3	87U NG/M3
208 V	DIBROMOCHLOROMETHANE	87U NG/M3	87U NG/M3	87U NG/M3	87U NG/M3
209 V	CHLOROETHANE	170U NG/M3	170U NG/M3	170U NG/M3	940 NG/M3
210 V	2-CHLOROETHYLVINYLETHER	170U NG/M3	170U NG/M3	170U NG/M3	170U NG/M3
211 V	CHLOROFORM	87U NG/M3	87U NG/M3	350 NG/M3	87U NG/M3
212 V	BROMODICHLOROMETHANE	87U NG/M3	87U NG/M3	87U NG/M3	87U NG/M3
214 V	1,1-DICHLOROETHANE	87U NG/M3	87U NG/M3	87U NG/M3	87U NG/M3
215 V	1,2-DICHLOROETHANE	87U NG/M3	87U NG/M3	87U NG/M3	87U NG/M3
216 V	1,1-DICHLOROETHENE	87U NG/M3	87U NG/M3	87U NG/M3	87U NG/M3
217 V	1,2-DICHLOROPROPANE	87U NG/M3	87U NG/M3	100 NG/M3	87U NG/M3
218 V	CIS-1,3-DICHLOROPROPENE	87U NG/M3	87U NG/M3	87U NG/M3	87U NG/M3
219 V	ETHYLBENZENE	1500 NG/M3	1400 NG/M3	1300 NG/M3	3000 NG/M3
220 V	BROMOMETHANE	170U NG/M3	170U NG/M3	170U NG/M3	170U NG/M3
221 V	CHLOROMETHANE	170U NG/M3	170U NG/M3	170U NG/M3	170U NG/M3
222 V	METHYLENE CHLORIDE	430 NG/M3	750 NG/M3	1800 NG/M3	87U NG/M3
223 V	1,1,2,2-TETRACHLOROETHANE	87U NG/M3	87U NG/M3	87U NG/M3	87U NG/M3
224 V	TETRACHLOROETHENE	87U NG/M3	87U NG/M3	570 NG/M3	87U NG/M3
225 V	TOLUENE	11000 NG/M3	8100 NG/M3	18000 NG/M3	12000 NG/M3

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		SITE	84021	84021	84021	84021
		POINT	AIR-1	AIR-1 DUP	AIR-2	AIR-3
		SAMPLE	7/1/87	7/1/87	7/1/87	7/1/87
		UNITS	NG/M3	NG/M3	NG/M3	NG/M3
		DATE	7/27/87	7/27/87	7/27/87	7/27/87
CMPD	CL	CMPD-DESC				
226	V	TRANS-1,2-DICHLOROETHENE	87U NG/M3	87U NG/M3	87U NG/M3	87U NG/M3
227	V	1,1,1-TRICHLOROETHANE	420 NG/M3	760 NG/M3	2500 NG/M3	640 NG/M3
228	V	1,1,2-TRICHLOROETHANE	87U NG/M3	87U NG/M3	87U NG/M3	87U NG/M3
229	V	TRICHLOROETHENE	87U NG/M3	87U NG/M3	400 NG/M3	87U NG/M3
231	V	VINYL CHLORIDE	170U NG/M3	170U NG/M3	170U NG/M3	170U NG/M3
250	V	TRANS-1,3-DICHLOROPROPENE	87U NG/M3	87U NG/M3	87U NG/M3	87U NG/M3
251	V	STYRENE	87U NG/M3	87U NG/M3	87U NG/M3	87U NG/M3
252	V	ACETONE	170U NG/M3	170U NG/M3	170U NG/M3	170U NG/M3
253	V	2-BUTANONE	500 NG/M3	500 NG/M3	1200 NG/M3	830 NG/M3
254	V	CARBON DISULFIDE	87 NG/M3	87 NG/M3	69 NG/M3	87 NG/M3
255	V	2-HEXANONE	170U NG/M3	170U NG/M3	170U NG/M3	170U NG/M3
256	V	4-METHYL-2-PENTANONE	87 NG/M3	140 NG/M3	570 NG/M3	280 NG/M3
257	V	VINYL ACETATE	170U NG/M3	170U NG/M3	170U NG/M3	170U NG/M3
289	V	XYLENES (TOTAL)	9800 NG/M3	9500 NG/M3	7700 NG/M3	22000 NG/M3
		ACID EXTRACTABLES / BASE NEUTRALS				
401	B	ACENAPHTHENE	23U NG/M3	28U NG/M3	40U NG/M3	26U NG/M3
402	B	ACENAPHTHYLENE	23U NG/M3	28U NG/M3	40U NG/M3	26U NG/M3
403	B	ANTHRACENE	23U NG/M3	28U NG/M3	40U NG/M3	26U NG/M3
405	B	BENZO(A)ANTHRACENE	23U NG/M3	28U NG/M3	40U NG/M3	26U NG/M3
406	B	BENZO(A)PYRENE	23U NG/M3	28U NG/M3	40U NG/M3	26U NG/M3
407	B	BENZO(B)FLUORANTHENE	23U NG/M3	28U NG/M3	40U NG/M3	26U NG/M3
408	B	BENZO(G,H,I)PERYLENE	23U NG/M3	28U NG/M3	40U NG/M3	26U NG/M3
409	B	BENZO(K)FLUORANTHENE	23U NG/M3	28U NG/M3	40U NG/M3	26U NG/M3
410	B	BIS(-2-CHLOROETHOXY)METHANE	23U NG/M3	28U NG/M3	40U NG/M3	26U NG/M3
411	B	BIS(-2-CHLOROETHYL)ETHER	23U NG/M3	28U NG/M3	40U NG/M3	26U NG/M3
412	B	BIS(2-CHLOROISOPROPYL)ETHER	23U NG/M3	28U NG/M3	40U NG/M3	26U NG/M3
413	B	BIS(2-ETHYLHEXYL)PHTHALATE	23U NG/M3	22 est. NG/M3	40 NG/M3	16 est. NG/M3
414	B	4-BROMOPHENYL-PHENYLETHER	23U NG/M3	28U NG/M3	40U NG/M3	26U NG/M3
415	B	BUTYLBENZYLPHTHALATE	23U NG/M3	11 est. NG/M3	60 NG/M3	26U NG/M3
416	B	2-CHLORONAPHTHALENE	23U NG/M3	28U NG/M3	40U NG/M3	26U NG/M3
417	B	4-CHLOROPHENYL-PHENYLETHER	23U NG/M3	28U NG/M3	40U NG/M3	26U NG/M3
418	B	CHRYSENE	23U NG/M3	28U NG/M3	40U NG/M3	26U NG/M3
419	B	DIBENZ(A,H)ANTHRACENE	23U NG/M3	28U NG/M3	40U NG/M3	26U NG/M3
420	B	1,2-DICHLOROBENZENE	23U NG/M3	28U NG/M3	40U NG/M3	26U NG/M3
421	B	1,3-DICHLOROBENZENE	23U NG/M3	28U NG/M3	40U NG/M3	26U NG/M3
422	B	1,4-DICHLOROBENZENE	23U NG/M3	28U NG/M3	40U NG/M3	26U NG/M3
423	B	3,3'-DICHLOROBENZIDINE	45U NG/M3	56U NG/M3	80U NG/M3	52U NG/M3
424	B	DIETHYLPHTHALATE	23U NG/M3	28U NG/M3	40U NG/M3	26U NG/M3
425	B	DIMETHYL PHTHALATE	23U NG/M3	28U NG/M3	40U NG/M3	26U NG/M3
426	B	DI-N-BUTYLPHTHALATE	23 NG/M3	17 est. NG/M3	160 NG/M3	16 est. NG/M3
427	B	2,4-DINITROTOLUENE	23U NG/M3	28U NG/M3	40U NG/M3	26U NG/M3
428	B	2,6-DINITROTOLUENE	23U NG/M3	28U NG/M3	40U NG/M3	26U NG/M3
429	B	DI-N-OCTYL PHTHALATE	23U NG/M3	28U NG/M3	40U NG/M3	26U NG/M3
431	B	FLUORANTHENE	23U NG/M3	28U NG/M3	40U NG/M3	26U NG/M3
432	B	FLUORENE	23U NG/M3	28U NG/M3	40U NG/M3	26U NG/M3
433	B	HEXACHLOROBENZENE	23U NG/M3	28U NG/M3	40U NG/M3	26U NG/M3

	SITE	86021	86021	86021	86021
	POINT	AIR-1	AIR-1 DUP	AIR-2	AIR-3
	SAMPLE	7/1/87	7/1/87	7/1/87	7/1/87
	UNITS	NG/M3	NG/M3	NG/M3	NG/M3
	DATE	7/27/87	7/27/87	7/27/87	7/27/87
CMPD	CL	CMPD-DESC			
434	B	HEXACHLOROBUTADIENE	23U NG/M3	28U NG/M3	40U NG/M3	26U NG/M3
435	B	HEXACHLOROCYCLOPENTADIENE	23U NG/M3	28U NG/M3	40U NG/M3	26U NG/M3
436	B	HEXACHLOROETHANE	23U NG/M3	28U NG/M3	40U NG/M3	26U NG/M3
437	B	INDENO(1,2,3-CD)PYRENE	23U NG/M3	28U NG/M3	40U NG/M3	26U NG/M3
438	B	ISOPHORONE	23U NG/M3	28U NG/M3	40U NG/M3	26U NG/M3
439	B	NAPHTHALENE	23U NG/M3	28U NG/M3	40U NG/M3	26U NG/M3
440	B	NITROBENZENE	23U NG/M3	28U NG/M3	40U NG/M3	26U NG/M3
442	B	N-NITROSO-DI-N-PROPYLAMINE	23U NG/M3	28U NG/M3	40U NG/M3	26U NG/M3
443	B	N-NITROSODIPHENYLAMINE(1)	23U NG/M3	28U NG/M3	40U NG/M3	26U NG/M3
444	B	PHENANTHRENE	23U NG/M3	28U NG/M3	40U NG/M3	26U NG/M3
445	B	PYRENE	23U NG/M3	28U NG/M3	40U NG/M3	26U NG/M3
446	B	1,2,4-TRICHLOROBENZENE	23U NG/M3	28U NG/M3	40U NG/M3	26U NG/M3
474	B	BENZYL ALCOHOL	23U NG/M3	28U NG/M3	40U NG/M3	26U NG/M3
475	B	4-CHLOROANILINE	23U NG/M3	28U NG/M3	40U NG/M3	26U NG/M3
476	B	DIBENZOFURAN	23U NG/M3	28U NG/M3	40U NG/M3	26U NG/M3
477	B	2-METHYLNAPHTHALENE	23U NG/M3	28U NG/M3	40U NG/M3	26U NG/M3
478	B	2-NITROANILINE	110U NG/M3	140U NG/M3	200U NG/M3	130U NG/M3
479	B	3-NITROANILINE	110U NG/M3	140U NG/M3	200U NG/M3	130U NG/M3
480	B	4-NITROANILINE	110U NG/M3	140U NG/M3	200U NG/M3	130U NG/M3
601	A	2-CHLOROPHENOL	23U NG/M3	28U NG/M3	40U NG/M3	26U NG/M3
602	A	2,4-DICHLOROPHENOL	23U NG/M3	28U NG/M3	40U NG/M3	26U NG/M3
603	A	2,4-DIMETHYLPHENOL	23U NG/M3	28U NG/M3	40U NG/M3	26U NG/M3
604	A	4,6-DINITRO-2-METHYLPHENOL	110U NG/M3	140U NG/M3	200U NG/M3	130U NG/M3
605	A	2,4-DINITROPHENOL	110U NG/M3	140U NG/M3	200U NG/M3	130U NG/M3
606	A	2-NITROPHENOL	23U NG/M3	28U NG/M3	40U NG/M3	26U NG/M3
607	A	4-NITROPHENOL	110U NG/M3	140U NG/M3	200U NG/M3	130U NG/M3
608	A	4-CHLORO-3-METHYLPHENOL	23U NG/M3	28U NG/M3	40U NG/M3	26U NG/M3
609	A	PENTACHLOROPHENOL	110U NG/M3	140U NG/M3	200U NG/M3	130U NG/M3
610	A	PHENOL	23U NG/M3	28U NG/M3	40U NG/M3	26U NG/M3
611	A	2,4,6-TRICHLOROPHENOL	23U NG/M3	28U NG/M3	40U NG/M3	26U NG/M3
620	A	2-METHYLPHENOL	23U NG/M3	28U NG/M3	40U NG/M3	26U NG/M3
622	A	4-METHYLPHENOL	23U NG/M3	28U NG/M3	40U NG/M3	26U NG/M3
625	A	BENZOIC ACID	23U NG/M3	28U NG/M3	40U NG/M3	26U NG/M3
626	A	2,4,5-TRICHLOROPHENOL	110U NG/M3	140U NG/M3	200U NG/M3	130U NG/M3
		PESTICIDES / PCB'S				
701	P	ALDRIN	.23U NG/M3	.28U NG/M3	.4U NG/M3	.26U NG/M3
702	P	ALPHA-BHC	.23U NG/M3	.28U NG/M3	.4U NG/M3	.26U NG/M3
703	P	BETA-BHC	.23U NG/M3	.28U NG/M3	.4U NG/M3	.26U NG/M3
704	P	GAMMA-BHC	.23U NG/M3	.28U NG/M3	.4U NG/M3	.26U NG/M3
705	P	DELTA-BHC	.23U NG/M3	.28U NG/M3	.4U NG/M3	.26U NG/M3
706	P	CHLORDANE	2.3U NG/M3	2.8U NG/M3	4U NG/M3	2.6U NG/M3
707	P	4,4'-DDT	.46U NG/M3	.56U NG/M3	.8U NG/M3	.52U NG/M3
708	P	4,4'-DDE	.46U NG/M3	.56U NG/M3	.8U NG/M3	.52U NG/M3
709	P	4,4'-DDD	.46U NG/M3	.56U NG/M3	.8U NG/M3	.52U NG/M3
710	P	DIELDRIN	.46U NG/M3	.56U NG/M3	.8U NG/M3	.52U NG/M3
711	P	ALPHA-ENDOSULFAN	.23U NG/M3	.28U NG/M3	.4U NG/M3	.26U NG/M3

	SITE	86021	86021	86021	86021
	POINT	AIR-1	AIR-1 DUP	AIR-2	AIR-3
	SAMPLE	7/1/87	7/1/87	7/1/87	7/1/87
	UNITS	NG/M3	NG/M3	NG/M3	NG/M3
	DATE	7/27/87	7/27/87	7/27/87	7/27/87
CMPD	CL	CMPD-DESC			
712	P	BETA-ENDOSULFAN	.46U NG/M3	.56U NG/M3	.8U NG/M3	.52U NG/M3
713	P	ENDOSULFAN SULFATE	.46U NG/M3	.56U NG/M3	.8U NG/M3	.52U NG/M3
714	P	ENDRIN	.46U NG/M3	.56U NG/M3	.8U NG/M3	.52U NG/M3
716	P	HEPTACHLOR	.23U NG/M3	.28U NG/M3	.4U NG/M3	.26U NG/M3
717	P	HEPTACHLOR EPOXIDE	.23U NG/M3	.28U NG/M3	.4U NG/M3	.26U NG/M3
718	P	PCB-1242	2.3U NG/M3	2.8U NG/M3	4U NG/M3	2.6U NG/M3
719	P	PCB-1254	4.6U NG/M3	5.6U NG/M3	8U NG/M3	5.2U NG/M3
720	P	PCB-1221	2.3U NG/M3	2.8U NG/M3	4U NG/M3	2.6U NG/M3
721	P	PCB-1232	2.3U NG/M3	2.8U NG/M3	4U NG/M3	2.6U NG/M3
722	P	PCB-1248	2.3U NG/M3	2.8U NG/M3	4U NG/M3	2.6U NG/M3
723	P	PCB-1260	4.6U NG/M3	5.6U NG/M3	8U NG/M3	5.2U NG/M3
724	P	PCB-1016	2.3U NG/M3	2.8U NG/M3	4U NG/M3	2.6U NG/M3
725	P	TOXAPHENE	2.3U NG/M3	2.8U NG/M3	4U NG/M3	2.6U NG/M3
726	P	P,P'-METHOXYCHLOR	2.3U NG/M3	2.8U NG/M3	4U NG/M3	2.6U NG/M3
739	P	ENDRIN KETONE	.46U NG/M3	.56U NG/M3	.8U NG/M3	.52U NG/M3

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2.1 Air Quality Sample Results

2.1.2 Round 2

	SITE	86021	86021	86021	86021
	POINT	AIR-1	AIR-1 DUP	AIR-2	AIR-3
	SAMPLE	10142	10142	10142	10142
	UNITS	NG/M3	NG/M3	NG/M3	NG/M3
	DATE	3/12/88	3-12-88	3-12-88	3-12-88
CMPD CL	CMPD-DESC				
101 M	ANTIMONY	7.48 NG/M3	9.84U NG/M3	11.5U NG/M3	9.89U NG/M3
102 M	ARSENIC	6.75 NG/M3	6.47 NG/M3	8.63 NG/M3	6.55 NG/M3
103 M	BERYLLIUM	5.99 NG/M3	0.52U NG/M3	10.4 NG/M3	5.18 NG/M3
104 M	CADMIUM	0.91 NG/M3	1.08U NG/M3	2.2 NG/M3	1.13 NG/M3
105 M	CHROMIUM	5.19 NG/M3	5.58 NG/M3	13.5 NG/M3	6.78 NG/M3
106 M	COPPER	97.5 NG/M3	164 NG/M3	84.6 NG/M3	16.5 NG/M3
107 M	LEAD	10.2 NG/M3	10.5 NG/M3	13.7 NG/M3	12.1 NG/M3
108 M	MERCURY	0.41 NG/M3	0.41U NG/M3	0.41U NG/M3	0.41U NG/M3
109 M	NICKEL	11.6 NG/M3	11.1 NG/M3	17.3 NG/M3	7.54 NG/M3
110 M	SELENIUM	1.74U NG/M3	2.34U NG/M3	2.75U NG/M3	2.36U NG/M3
111 M	SILVER	2.33 NG/M3	1.87 NG/M3	5.06 NG/M3	5.18 NG/M3
112 M	THALLIUM	2.09U NG/M3	1.82U NG/M3	3.96U NG/M3	3.38U NG/M3
113 M	ZINC	20432 NG/M3	21272 NG/M3	42047 NG/M3	20114 NG/M3
114 M	BARIUM	26280 NG/M3	27082 NG/M3	54304 NG/M3	25861 NG/M3
115 M	IRON	320 NG/M3	316 NG/M3	513 NG/M3	315 NG/M3
116 M	MANGANESE	11.7 NG/M3	12.3 NG/M3	23.0 NG/M3	12.5 NG/M3
117 M	VANADIUM	1.36U NG/M3	1.82U NG/M3	2.14U NG/M3	1.84U NG/M3
118 M	ALUMINUM	15699 NG/M3	16258 NG/M3	32264 NG/M3	15404 NG/M3
120 M	COBALT	5.5 NG/M3	5.29 NG/M3	11.5 NG/M3	5.61 NG/M3
121 M	MAGNESIUM	1110 NG/M3	1185 NG/M3	2792 NG/M3	1324 NG/M3
129 M	CALCIUM	9781 NG/M3	10074 NG/M3	18963 NG/M3	9374 NG/M3
130 M	SODIUM	47339 NG/M3	48729 NG/M3	96187 NG/M3	46494 NG/M3
131 M	POTASSIUM	14933 NG/M3	15321 NG/M3	30945 NG/M3	14744 NG/M3
1001 C	CYANIDE	5.1U NG/M3	5.1U NG/M3	5.1U NG/M3	5.1U NG/M3
	VOLATILE ORGANIC COMPOUNDS				
203 V	BENZENE	2500 NG/M3	2600 NG/M3	4800 NG/M3	3300 NG/M3
205 V	BROMOFORM	87 U NG/M3	87U NG/M3	87U NG/M3	87U NG/M3
206 V	CARBON TETRACHLORIDE	87 U NG/M3	87U NG/M3	87U NG/M3	87U NG/M3
207 V	CHLOROBENZENE	87 U NG/M3	87U NG/M3	87U NG/M3	87U NG/M3
208 V	DIBROMOCHLOROMETHANE	87 U NG/M3	87U NG/M3	87U NG/M3	87U NG/M3
209 V	CHLOROETHANE	170 U NG/M3	170U NG/M3	170U NG/M3	170U NG/M3
210 V	2-CHLOROETHYLVINYLETHER	170 U NG/M3	170U NG/M3	170U NG/M3	170U NG/M3
211 V	CHLOROFORM	170 NG/M3	87U NG/M3	87U NG/M3	300 NG/M3
212 V	BROMODICHLOROMETHANE	87 U NG/M3	87U NG/M3	87U NG/M3	87U NG/M3
214 V	1,1-DICHLOROETHANE	87 U NG/M3	87U NG/M3	87U NG/M3	87U NG/M3
215 V	1,2-DICHLOROETHANE	87 U NG/M3	87U NG/M3	87U NG/M3	87U NG/M3
216 V	1,1-DICHLOROETHENE	87 U NG/M3	87U NG/M3	87U NG/M3	87U NG/M3
217 V	1,2-DICHLOROPROPANE	750 NG/M3	950 NG/M3	21000 NG/M3	6200 NG/M3
218 V	CIS-1,3-DICHLOROPROPENE	1771 NG/M3	1319 NG/M3	31000 NG/M3	4900 NG/M3
219 V	ETHYLBENZENE	4700 NG/M3	4700 NG/M3	2200 NG/M3	5200 NG/M3
220 V	BROMOMETHANE	170 U NG/M3	170U NG/M3	170U NG/M3	170U NG/M3
221 V	CHLOROMETHANE	170 U NG/M3	170U NG/M3	170U NG/M3	7100 NG/M3
222 V	METHYLENE CHLORIDE	72009 NG/M3	72000 NG/M3	88397 NG/M3	90689 NG/M3
223 V	1,1,2,2-TETRACHLOROETHANE	87 U NG/M3	87U NG/M3	87U NG/M3	87U NG/M3
224 V	TETRACHLOROETHENE	1100 NG/M3	1500 NG/M3	850 NG/M3	1300 NG/M3
225 V	TOLUENE	15000 NG/M3	[illegible] NG/M3	12000 NG/M3	32000 NG/M3

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	SITE	86021	86021	86021	86021
	POINT	AIR-1	AIR-1 DUP	AIR-2	AIR-3
	SAMPLE	10142	10142	10142	10142
	UNITS	NG/M3	NG/M3	NG/M3	NG/M3
	DATE	3/12/88	3-12-88	3-12-88	3-12-88
CMPD CL	CMPD-DESC				
226 V	TRANS-1,2-DICHLOROETHENE	87 U NG/M3	87U NG/M3	87U NG/M3	87U NG/M3
227 V	1,1,1-TRICHLOROETHANE	87 U NG/M3	87U NG/M3	87U NG/M3	87U NG/M3
228 V	1,1,2-TRICHLOROETHANE	87 U NG/M3	87U NG/M3	87U NG/M3	87U NG/M3
229 V	TRICHLOROETHENE	87 U NG/M3	87U NG/M3	87U NG/M3	87U NG/M3
231 V	VINYL CHLORIDE	170 U NG/M3	170U NG/M3	170U NG/M3	170U NG/M3
250 V	TRANS-1,3-DICHLOROPROPENE	1500 NG/M3	1100 NG/M3	22000 NG/M3	3600 NG/M3
251 V	STYRENE	87 U NG/M3	87U NG/M3	87U NG/M3	87U NG/M3
252 V	ACETONE	25000 NG/M3	24000 NG/M3	51000 NG/M3	37000 NG/M3
253 V	2-BUTANONE	750 NG/M3	760 NG/M3	NG/M3	990 NG/M3
254 V	CARBON DISULFIDE	87 U NG/M3	87U NG/M3	87U NG/M3	87U NG/M3
255 V	2-HEXANONE	170 U NG/M3	170U NG/M3	170U NG/M3	170U NG/M3
256 V	4-METHYL-2-PENTANONE	170 U NG/M3	170U NG/M3	170U NG/M3	170U NG/M3
257 V	VINYL ACETATE	170 U NG/M3	170U NG/M3	170U NG/M3	170U NG/M3
289 V	XYLENES (TOTAL)	18000 NG/M3	21000 NG/M3	10000 NG/M3	22000 NG/M3
	ACID EXTRACTABLES / BASE NEUTRALS				
401 B	ACENAPHTHENE	27 U NG/M3	24U NG/M3	28U NG/M3	24U NG/M3
402 B	ACENAPHTHYLENE	27 U NG/M3	24U NG/M3	28U NG/M3	24U NG/M3
403 B	ANTHRACENE	27 U NG/M3	24U NG/M3	28U NG/M3	24U NG/M3
405 B	BENZO(A)ANTHRACENE	27 U NG/M3	24U NG/M3	28U NG/M3	24U NG/M3
406 B	BENZO(A)PYRENE	27 U NG/M3	24U NG/M3	28U NG/M3	24U NG/M3
407 B	BENZO(B)FLUORANTHENE	27 U NG/M3	24U NG/M3	28U NG/M3	24U NG/M3
408 B	BENZO(G,H,I)PERYLENE	27 U NG/M3	24U NG/M3	28U NG/M3	24U NG/M3
409 B	BENZO(K)FLUORANTHENE	27 U NG/M3	24U NG/M3	28U NG/M3	24U NG/M3
410 B	BIS(-2-CHLOROETHOXY)METHANE	27 U NG/M3	24U NG/M3	28U NG/M3	24U NG/M3
411 B	BIS(-2-CHLOROETHYL)ETHER	27 U NG/M3	24U NG/M3	28U NG/M3	24U NG/M3
412 B	BIS(2-CHLOROISOPROPYL)ETHER	27 U NG/M3	24U NG/M3	28U NG/M3	24U NG/M3
413 B	BIS(2-ETHYLHEXYL)PHTHALATE	27 U NG/M3	24U NG/M3	100 NG/M3	7 J NG/M3
414 B	4-BROMOPHENYL-PHENYLETHER	27 U NG/M3	24U NG/M3	28U NG/M3	24U NG/M3
415 B	BUTYLBENZYLPHTHALATE	27 U NG/M3	24U NG/M3	28U NG/M3	24U NG/M3
416 B	2-CHLORONAPHTHALENE	27 U NG/M3	24U NG/M3	28U NG/M3	24U NG/M3
417 B	4-CHLOROPHENYL-PHENYLETHER	27 U NG/M3	24U NG/M3	28U NG/M3	24U NG/M3
418 B	CHRYSENE	27 U NG/M3	24U NG/M3	28U NG/M3	24U NG/M3
419 B	DIBENZ(A,H)ANTHRACENE	27 U NG/M3	24U NG/M3	28U NG/M3	24U NG/M3
420 B	1,2-DICHLOROBENZENE	27 U NG/M3	24U NG/M3	28U NG/M3	24U NG/M3
421 B	1,3-DICHLOROBENZENE	27 U NG/M3	24U NG/M3	28U NG/M3	24U NG/M3
422 B	1,4-DICHLOROBENZENE	27 U NG/M3	24U NG/M3	28U NG/M3	24U NG/M3
423 B	3,3'-DICHLOROBENZIDINE	55 U NG/M3	48U NG/M3	55U NG/M3	48U NG/M3
424 B	DIETHYLPHTHALATE	38 NG/M3	26 NG/M3	36 NG/M3	110 NG/M3
425 B	DIMETHYL PHTHALATE	3 J NG/M3	2 J NG/M3	3 J NG/M3	2 J NG/M3
426 B	DI-N-BUTYLPHTHALATE	27 NG/M3	19 J NG/M3	22 J NG/M3	17 J NG/M3
427 B	2,4-DINITROTOLUENE	27 U NG/M3	24U NG/M3	28U NG/M3	24U NG/M3
428 B	2,6-DINITROTOLUENE	27 U NG/M3	24U NG/M3	28U NG/M3	24U NG/M3
429 B	DI-N-OCTYL PHTHALATE	27 U NG/M3	7 J NG/M3	6 J NG/M3	24U NG/M3
431 B	FLUORANTHENE	27 U NG/M3	24U NG/M3	28U NG/M3	24U NG/M3
432 B	FLUORENE	27 U NG/M3	24U NG/M3	28U NG/M3	24U NG/M3
433 B	HEXACHLOROBENZENE	27 U NG/M3	24U NG/M3	28U NG/M3	24U NG/M3

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	SITE	86021	86021	86021	86021
	POINT	AIR-1	AIR-1 DUP	AIR-2	AIR-3
	SAMPLE	10142	10142	10142	10142
	UNITS	MG/M3	MG/M3	MG/M3	MG/M3
	DATE	3/12/88	3-12-88	3-12-88	3-12-88
) CL	CMPD-DESC				
4 B	HEXACHLOROBUTADIENE	27 U MG/M3	24U MG/M3	28U MG/M3	24U MG/M3
5 B	HEXACHLOROCYCLOPENTADIENE	27 U MG/M3	24U MG/M3	28U MG/M3	24U MG/M3
6 B	HEXACHLOROETHANE	27 U MG/M3	24U MG/M3	28U MG/M3	24U MG/M3
7 B	INDENO(1,2,3-CD)PYRENE	27 U MG/M3	24U MG/M3	28U MG/M3	24U MG/M3
8 B	ISOPHORONE	27 U MG/M3	24U MG/M3	28U MG/M3	24U MG/M3
9 B	NAPHTHALENE	27 U MG/M3	24U MG/M3	28U MG/M3	24U MG/M3
0 B	NITROBENZENE	27 U MG/M3	24U MG/M3	28U MG/M3	24U MG/M3
2 B	N-NITROSO-DI-N-PROPYLAMINE	27 U MG/M3	24U MG/M3	28U MG/M3	24U MG/M3
3 B	N-NITROSODIPHENYLAMINE(1)	27 U MG/M3	24U MG/M3	28U MG/M3	24U MG/M3
4 B	PHENANTHRENE	27 U MG/M3	24U MG/M3	28U MG/M3	24U MG/M3
5 B	PYRENE	27 U MG/M3	24U MG/M3	28U MG/M3	24U MG/M3
6 B	1,2,4-TRICHLOROBENZENE	27 U MG/M3	24U MG/M3	28U MG/M3	24U MG/M3
74 B	BENZYL ALCOHOL	27 U MG/M3	24U MG/M3	28U MG/M3	24U MG/M3
75 B	4-CHLOROANILINE	27 U MG/M3	24U MG/M3	28U MG/M3	24U MG/M3
76 B	DIBENZOFURAN	27 U MG/M3	24U MG/M3	28U MG/M3	24U MG/M3
77 B	2-METHYLNAPHTHALENE	27 U MG/M3	24U MG/M3	28U MG/M3	24U MG/M3
78 B	2-NITROANILINE	140 U MG/M3	120U MG/M3	140U MG/M3	120U MG/M3
79 B	3-NITROANILINE	140 U MG/M3	120U MG/M3	140U MG/M3	120U MG/M3
80 B	4-NITROANILINE	140 U MG/M3	120U MG/M3	140U MG/M3	120U MG/M3
01 A	2-CHLOROPHENOL	27 U MG/M3	24U MG/M3	28U MG/M3	24U MG/M3
02 A	2,4-DICHLOROPHENOL	27 U MG/M3	24U MG/M3	28U MG/M3	24U MG/M3
03 A	2,4-DIMETHYLPHENOL	27 U MG/M3	24U MG/M3	28U MG/M3	24U MG/M3
04 A	4,6-DINITRO-2-METHYLPHENOL	140 U MG/M3	120U MG/M3	140U MG/M3	120U MG/M3
05 A	2,4-DINITROPHENOL	140 U MG/M3	120U MG/M3	140U MG/M3	120U MG/M3
06 A	2-NITROPHENOL	27 U MG/M3	24U MG/M3	28U MG/M3	24U MG/M3
07 A	4-NITROPHENOL	140 U MG/M3	120U MG/M3	140U MG/M3	120U MG/M3
08 A	4-CHLORO-3-METHYLPHENOL	27 U MG/M3	24U MG/M3	28U MG/M3	24U MG/M3
09 A	PENTACHLOROPHENOL	140 U MG/M3	120U MG/M3	140U MG/M3	120U MG/M3
10 A	PHENOL	27 U MG/M3	24U MG/M3	28U MG/M3	24U MG/M3
11 A	2,4,6-TRICHLOROPHENOL	27 U MG/M3	24U MG/M3	28U MG/M3	24U MG/M3
20 A	2-METHYLPHENOL	27 U MG/M3	24U MG/M3	28U MG/M3	24U MG/M3
22 A	4-METHYLPHENOL	27 U MG/M3	24U MG/M3	28U MG/M3	24U MG/M3
25 A	BENZOIC ACID	27 U MG/M3	24U MG/M3	28U MG/M3	24U MG/M3
26 A	2,4,5-TRICHLOROPHENOL	140 U MG/M3	120U MG/M3	140U MG/M3	120U MG/M3

PESTICIDES / PCB'S

701 P	ALDRIN	1.4U MG/M3	1.2U MG/M3	1.4U MG/M3	1.2U MG/M3
702 P	ALPHA-BHC	1.4U MG/M3	1.2U MG/M3	1.4U MG/M3	1.2U MG/M3
703 P	BETA-BHC	1.4U MG/M3	1.2U MG/M3	1.4U MG/M3	1.2U MG/M3
704 P	GAMMA-BHC	1.4U MG/M3	1.2U MG/M3	1.4U MG/M3	1.2U MG/M3
705 P	DELTA-BHC	1.4U MG/M3	1.2U MG/M3	1.4U MG/M3	1.2U MG/M3
706 P	CHLORDANE	14U MG/M3	12U MG/M3	14U MG/M3	12U MG/M3
707 P	4,4'-DDT	2.7U MG/M3	2.4U MG/M3	2.8U MG/M3	2.4U MG/M3
708 P	4,4'-DDE	2.7U MG/M3	2.4U MG/M3	2.8U MG/M3	2.4U MG/M3
709 P	4,4'-DDD	2.7U MG/M3	2.4U MG/M3	2.8U MG/M3	2.4U MG/M3
710 P	DIELDRIN	2.7U MG/M3	2.4U MG/M3	2.8U MG/M3	2.4U MG/M3
711 P	ALPHA-ENDOSULFAN	1.4U MG/M3	[illegible]/M3	1.4U MG/M3	1.2U MG/M3

	SITE	86021	86021	86021	86021
	POINT	AIR-1	AIR-1 DUP	AIR-2	AIR-3
	SAMPLE	10142	10142	10142	10142
	UNITS	NG/M3	NG/M3	NG/M3	NG/M3
	DATE	3/12/88	3-12-88	3-12-88	3-12-88
CMPD CL	CMPD-DESC				
712 P	BETA-ENDOSULFAN	2.7U NG/M3	2.4U NG/M3	2.8U NG/M3	2.4U NG/M3
713 P	ENDOSULFAN SULFATE	2.7U NG/M3	2.4U NG/M3	2.8U NG/M3	2.4U NG/M3
714 P	ENDRIN	2.7U NG/M3	2.4U NG/M3	2.8U NG/M3	2.4U NG/M3
716 P	HEPTACHLOR	1.4U NG/M3	1.2U NG/M3	1.4U NG/M3	1.2U NG/M3
717 P	HEPTACHLOR EPOXIDE	1.4U NG/M3	1.2U NG/M3	1.4U NG/M3	1.2U NG/M3
718 P	PCB-1242	14U NG/M3	12U NG/M3	14U NG/M3	12U NG/M3
719 P	PCB-1254	27U NG/M3	24U NG/M3	28U NG/M3	24U NG/M3
720 P	PCB-1221	14U NG/M3	12U NG/M3	14U NG/M3	12U NG/M3
721 P	PCB-1232	14U NG/M3	12U NG/M3	14U NG/M3	12U NG/M3
722 P	PCB-1248	14U NG/M3	12U NG/M3	14U NG/M3	12U NG/M3
723 P	PCB-1260	27U NG/M3	24U NG/M3	28U NG/M3	24U NG/M3
724 P	PCB-1016	14U NG/M3	12U NG/M3	14U NG/M3	12U NG/M3
725 P	TOXAPHENE	14U NG/M3	12U NG/M3	14U NG/M3	12U NG/M3
726 P	P,P'-METHOXYCHLOR	14U NG/M3	12U NG/M3	14U NG/M3	12U NG/M3
739 P	ENDRIN KETONE	2.7U NG/M3	2.4U NG/M3	2.8U NG/M3	2.4U NG/M3

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2.1 Air Quality Sample Results

2.1.3 Round 3

	SITE	86021	86021	86021	86021
	POINT	AIR-1	AIR-1 DUP	AIR-2	AIR-3
	SAMPLE	10204	10204	10204	10204
	UNITS	NG/M3	NG/M3	NG/M3	NG/M3
	DATE	4-2-88	4-2-88	4-2-88	4-2-88
CMPD CL	CMPD-DESC				
101 M	ANTIMONY	10.5U NG/M3	10.6U NG/M3	9.00U NG/M3	11.9U NG/M3
102 M	ARSENIC	29.1 NG/M3	28.9 NG/M3	30.0 NG/M3	11.1 NG/M3
103 M	BERYLLIUM	6.45 NG/M3	11.3 NG/M3	5.66 NG/M3	8.09 NG/M3
104 M	CADMIUM	1.2 NG/M3	3.29U NG/M3	0.99U NG/M3	1.41 NG/M3
105 M	CHROMIUM	7.17 NG/M3	9.93 NG/M3	15.5 NG/M3	6.45 NG/M3
106 M	COPPER	81.2 NG/M3	53.7 NG/M3	57.9 NG/M3	36.4 NG/M3
107 M	LEAD	92.2 NG/M3	41.3 NG/M3	83.2 NG/M3	76.4 NG/M3
108 M	MERCURY	0.32U NG/M3	0.32U NG/M3	0.32U NG/M3	0.32U NG/M3
109 M	NICKEL	15 NG/M3	18.1 NG/M3	11.1 NG/M3	13.3 NG/M3
110 M	SELENIUM	2.49U NG/M3	2.53U NG/M3	2.14U NG/M3	2.83U NG/M3
111 M	SILVER	2.74 NG/M3	5.12 NG/M3	1.89 NG/M3	4.19 NG/M3
112 M	THALLIUM	4.98U NG/M3	5.07U NG/M3	4.29U NG/M3	5.66 NG/M3
113 M	ZINC	22570 NG/M3	39407 NG/M3	19889 NG/M3	28008 NG/M3
114 M	BARIUM	28948 NG/M3	49690 NG/M3	25333 NG/M3	36496 NG/M3
115 M	IRON	49.8 NG/M3	1140 NG/M3	990.0 NG/M3	685 NG/M3
116 M	MANGANESE	36.5 NG/M3	38.1 NG/M3	123 NG/M3	521 NG/M3
117 M	VANADIUM	8.57 NG/M3	9.62U NG/M3	6.43 NG/M3	5.71 NG/M3
118 M	ALUMINUM	16342 NG/M3	20811 NG/M3	13674 NG/M3	19917 NG/M3
120 M	COBALT	9.72 NG/M3	19.2 NG/M3	8.75 NG/M3	13.7 NG/M3
121 M	MAGNESIUM	2028 NG/M3	2750 NG/M3	3095 NG/M3	1816 NG/M3
129 M	CALCIUM	14100 NG/M3	23401 NG/M3	14917 NG/M3	16183 NG/M3
130 M	SODIUM	51817 NG/M3	89148 NG/M3	46294 NG/M3	65636 NG/M3
131 M	POTASSIUM	16492 NG/M3	28467 NG/M3	14574 NG/M3	20709 NG/M3
1001 C	CYANIDE	7.94U NG/M3	7.94U NG/M3	7.94U NG/M3	7.94U NG/M3
	VOLATILE ORGANIC COMPOUNDS				
203 V	BENZENE	730 NG/M3	780 NG/M3	540 NG/M3	800 NG/M3
205 V	BROMOFORM	87 U NG/M3	87U NG/M3	87U NG/M3	87U NG/M3
206 V	CARBON TETRACHLORIDE	87 U NG/M3	87U NG/M3	87U NG/M3	87U NG/M3
207 V	CHLOROBENZENE	120 NG/M3	87U NG/M3	120 NG/M3	87U NG/M3
208 V	DIBROMOCHLOROMETHANE	87 U NG/M3	87U NG/M3	87U NG/M3	87U NG/M3
209 V	CHLOROETHANE	170 U NG/M3	170U NG/M3	170U NG/M3	170U NG/M3
210 V	2-CHLOROETHYLVINYLETHER	170 U NG/M3	170U NG/M3	170U NG/M3	170U NG/M3
211 V	CHLOROFORM	87 NG/M3	35 J NG/M3	69 J NG/M3	87U NG/M3
212 V	BROMODICHLOROMETHANE	87 U NG/M3	87U NG/M3	87U NG/M3	87U NG/M3
214 V	1,1-DICHLOROETHANE	87 U NG/M3	87U NG/M3	87U NG/M3	87U NG/M3
215 V	1,2-DICHLOROETHANE	87 U NG/M3	87U NG/M3	87U NG/M3	87U NG/M3
216 V	1,1-DICHLOROETHENE	87 U NG/M3	87U NG/M3	87U NG/M3	87U NG/M3
217 V	1,2-DICHLOROPROPANE -	1400 NG/M3	2800 NG/M3	690 NG/M3	1700 NG/M3
218 V	CIS-1,3-DICHLOROPROPENE	NG/M3	87U NG/M3	87U NG/M3	87U NG/M3
219 V	ETHYLBENZENE	2100 NG/M3	1400 NG/M3	1400 NG/M3	2000 NG/M3
220 V	BROMOMETHANE	170 U NG/M3	170U NG/M3	170U NG/M3	170U NG/M3
221 V	CHLOROMETHANE	170 U NG/M3	170U NG/M3	170U NG/M3	170U NG/M3
222 V	METHYLENE CHLORIDE	89000 NG/M3	36000 NG/M3	27000 NG/M3	19000 NG/M3
223 V	1,1,2,2-TETRACHLOROETHANE	87 U NG/M3	87U NG/M3	87U NG/M3	87U NG/M3
224 V	TETRACHLOROETHENE	680 NG/M3	450 NG/M3	620 NG/M3	450 NG/M3
225 V	TOLUENE	7800 NG/M3	5500 NG/M3	5600 NG/M3	6400. NG/M3

r.e. wright associates, inc.

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		SITE	86021			86021			86021			86021	
		POINT	AIR-1			AIR-1 DUP			AIR-2			AIR-3	
		SAMPLE	10204			10204			10204			10204	
		UNITS	MG/M3			MG/M3			MG/M3			MG/M3	
		DATE	4-2-88			4-2-88			4-2-88			4-2-88	
CMPD	CL	CMPD-DESC											
226	V	TRANS-1,2-DICHLOROETHENE	87	U	MG/M3	87	U	MG/M3	87	U	MG/M3	87	U MG/M3
227	V	1,1,1-TRICHLOROETHANE	87	U	MG/M3	87	U	MG/M3	87	U	MG/M3	87	U MG/M3
228	V	1,1,2-TRICHLOROETHANE	87	U	MG/M3	87	U	MG/M3	87	U	MG/M3	87	U MG/M3
229	V	TRICHLOROETHENE	87	U	MG/M3	87	U	MG/M3	87	U	MG/M3	87	U MG/M3
231	V	VINYL CHLORIDE	170	U	MG/M3	170	U	MG/M3	170	U	MG/M3	170	U MG/M3
250	V	TRANS-1,3-DICHLOROPROPENE	210		MG/M3	87	U	MG/M3	87	U	MG/M3	87	U MG/M3
251	V	STYRENE	87	U	MG/M3	87	U	MG/M3	87	U	MG/M3	87	U MG/M3
252	V	ACETONE	88000		MG/M3	58000		MG/M3	58000		MG/M3	15000	MG/M3
253	V	2-BUTANONE	780		MG/M3	1300		MG/M3	1200		MG/M3	610	MG/M3
254	V	CARBON DISULFIDE	87	U	MG/M3	87	U	MG/M3	87	U	MG/M3	87	U MG/M3
255	V	2-HEXANONE	170	U	MG/M3	170	U	MG/M3	170	U	MG/M3	170	U MG/M3
256	V	4-METHYL-2-PENTANONE	170	U	MG/M3	170	U	MG/M3	170	U	MG/M3	170	U MG/M3
257	V	VINYL ACETATE	170	U	MG/M3	170	U	MG/M3	170	U	MG/M3	170	U MG/M3
289	V	XYLENES (TOTAL)	12000		MG/M3	6700		MG/M3	7600		MG/M3	10000	MG/M3
		ACID EXTRACTABLES / BASE NEUTRALS											
401	B	ACENAPHTHENE	14	U	MG/M3	14	U	MG/M3	13	U	MG/M3	11	U MG/M3
402	B	ACENAPHTHYLENE	14	U	MG/M3	14	U	MG/M3	13	U	MG/M3	11	U MG/M3
403	B	ANTHRACENE	14	U	MG/M3	14	U	MG/M3	13	U	MG/M3	11	U MG/M3
405	B	BENZO(A)ANTHRACENE	14	U	MG/M3	14	U	MG/M3	13	U	MG/M3	11	U MG/M3
406	B	BENZO(A)PYRENE	14	U	MG/M3	14	U	MG/M3	13	U	MG/M3	11	U MG/M3
407	B	BENZO(B)FLUORANTHENE	14	U	MG/M3	14	U	MG/M3	13	U	MG/M3	11	U MG/M3
408	B	BENZO(G,H,I)PERYLENE	14	U	MG/M3	14	U	MG/M3	13	U	MG/M3	11	U MG/M3
409	B	BENZO(K)FLUORANTHENE	14	U	MG/M3	14	U	MG/M3	13	U	MG/M3	11	U MG/M3
410	B	BIS(-2-CHLOROETHOXY)METHANE	14	U	MG/M3	14	U	MG/M3	13	U	MG/M3	11	U MG/M3
411	B	BIS(-2-CHLOROETHYL)ETHER	14	U	MG/M3	14	U	MG/M3	13	U	MG/M3	11	U MG/M3
412	B	BIS(2-CHLOROISOPROPYL)ETHER	14	U	MG/M3	14	U	MG/M3	13	U	MG/M3	11	U MG/M3
413	B	BIS(2-ETHYLHEXYL)PHTHALATE	23		MG/M3	39		MG/M3	25		MG/M3	27	MG/M3
414	B	4-BROMOPHENYL-PHENYLETHER	14	U	MG/M3	14	U	MG/M3	13	U	MG/M3	11	U MG/M3
415	B	BUTYLBENZYLPHTHALATE	3	J	MG/M3	4	J	MG/M3	3	J	MG/M3	4	J MG/M3
416	B	2-CHLORONAPHTHALENE	14	U	MG/M3	14	U	MG/M3	13	U	MG/M3	11	U MG/M3
417	B	4-CHLOROPHENYL-PHENYLETHER	14	U	MG/M3	14	U	MG/M3	13	U	MG/M3	11	U MG/M3
418	B	CHRYSENE	14	U	MG/M3	14	U	MG/M3	13	U	MG/M3	11	U MG/M3
419	B	DIBENZ(A,H)ANTHRACENE	14	U	MG/M3	14	U	MG/M3	13	U	MG/M3	11	U MG/M3
420	B	1,2-DICHLOROBENZENE	14	U	MG/M3	14	U	MG/M3	13	U	MG/M3	11	U MG/M3
421	B	1,3-DICHLOROBENZENE	14	U	MG/M3	14	U	MG/M3	13	U	MG/M3	11	U MG/M3
422	B	1,4-DICHLOROBENZENE	14	U	MG/M3	14	U	MG/M3	13	U	MG/M3	11	U MG/M3
423	B	3,3'-DICHLOROBENZIDINE	29	U	MG/M3	29	U	MG/M3	27	U	MG/M3	21	U MG/M3
424	B	DIETHYLPHTHALATE	7	J	MG/M3	7	J	MG/M3	4	J	MG/M3	5	J MG/M3
425	B	DIMETHYL PHTHALATE	14	U	MG/M3	14	U	MG/M3	13	U	MG/M3	11	U MG/M3
426	B	DI-N-BUTYLPHTHALATE	22		MG/M3	44		MG/M3	21		MG/M3	29	MG/M3
427	B	2,4-DINITROTOLUENE	14	U	MG/M3	14	U	MG/M3	13	U	MG/M3	11	U MG/M3
428	B	2,6-DINITROTOLUENE	14	U	MG/M3	14	U	MG/M3	13	U	MG/M3	11	U MG/M3
429	B	DI-N-OCTYL PHTHALATE	14	U	MG/M3	14	U	MG/M3	13	U	MG/M3	11	U MG/M3
431	B	FLUORANTHENE	14	U	MG/M3	14	U	MG/M3	13	U	MG/M3	11	U MG/M3
432	B	FLUORENE	14	U	MG/M3	14	U	MG/M3	13	U	MG/M3	11	U MG/M3
433	B	HEXACHLOROBENZENE	14	U	MG/M3	14	U	MG/M3	13	U	MG/M3	11	U MG/M3

AR300494

	SITE	86021	86021	86021	86021
	POINT	AIR-1	AIR-1 DUP	AIR-2	AIR-3
	SAMPLE	10204	10204	10204	10204
	UNITS	NG/M3	NG/M3	NG/M3	NG/M3
	DATE	4-2-88	4-2-88	4-2-88	4-2-88
CMPD CL	CMPD-DESC				
434 B	HEXACHLOROBUTADIENE	14U NG/M3	14U NG/M3	13U NG/M3	11U NG/M3
435 B	HEXACHLOROCYCLOPENTADIENE	14U NG/M3	14U NG/M3	13U NG/M3	11U NG/M3
436 B	HEXACHLOROETHANE	14U NG/M3	14U NG/M3	13U NG/M3	11U NG/M3
437 B	INDENO(1,2,3-CD)PYRENE	14U NG/M3	14U NG/M3	13U NG/M3	11U NG/M3
438 B	ISOPHORONE	14U NG/M3	14U NG/M3	13U NG/M3	11U NG/M3
439 B	NAPHTHALENE	14U NG/M3	14U NG/M3	13U NG/M3	11U NG/M3
440 B	NITROBENZENE	14U NG/M3	14U NG/M3	13U NG/M3	11U NG/M3
442 B	N-NITROSO-DI-N-PROPYLAMINE	14U NG/M3	14U NG/M3	13U NG/M3	11U NG/M3
443 B	N-NITROSODIPHENYLAMINE(1)	14U NG/M3	14U NG/M3	13U NG/M3	11U NG/M3
444 B	PHENANTHRENE	14U NG/M3	14U NG/M3	13U NG/M3	11U NG/M3
445 B	PYRENE	14U NG/M3	14U NG/M3	13U NG/M3	11U NG/M3
446 B	1,2,4-TRICHLOROBENZENE	14U NG/M3	14U NG/M3	13U NG/M3	11U NG/M3
474 B	BENZYL ALCOHOL	14U NG/M3	14U NG/M3	13U NG/M3	11U NG/M3
475 B	4-CHLOROANILINE	14U NG/M3	14U NG/M3	13U NG/M3	11U NG/M3
476 B	DIBENZOFURAN	14U NG/M3	14U NG/M3	13U NG/M3	11U NG/M3
477 B	2-METHYLNAPHTHALENE	14U NG/M3	14U NG/M3	13U NG/M3	11U NG/M3
478 B	2-NITROANILINE	72U NG/M3	71U NG/M3	67U NG/M3	54U NG/M3
479 B	3-NITROANILINE	72U NG/M3	71U NG/M3	67U NG/M3	54U NG/M3
480 B	4-NITROANILINE	72U NG/M3	71U NG/M3	67U NG/M3	54U NG/M3
601 A	2-CHLOROPHENOL	14U NG/M3	14U NG/M3	13U NG/M3	11U NG/M3
602 A	2,4-DICHLOROPHENOL	14U NG/M3	14U NG/M3	13U NG/M3	11U NG/M3
603 A	2,4-DIMETHYLPHENOL	14U NG/M3	14U NG/M3	13U NG/M3	11U NG/M3
604 A	4,6-DINITRO-2-METHYLPHENOL	72U NG/M3	71U NG/M3	67U NG/M3	54U NG/M3
605 A	2,4-DINITROPHENOL	72U NG/M3	71U NG/M3	67U NG/M3	54U NG/M3
606 A	2-NITROPHENOL	14U NG/M3	14U NG/M3	13U NG/M3	11U NG/M3
607 A	4-NITROPHENOL	72U NG/M3	71U NG/M3	67U NG/M3	54U NG/M3
608 A	4-CHLORO-3-METHYLPHENOL	14U NG/M3	14U NG/M3	13U NG/M3	11U NG/M3
609 A	PENTACHLOROPHENOL	72U NG/M3	71U NG/M3	67U NG/M3	54U NG/M3
610 A	PHENOL	14U NG/M3	14U NG/M3	13U NG/M3	11U NG/M3
611 A	2,4,6-TRICHLOROPHENOL	14U NG/M3	14U NG/M3	13U NG/M3	11U NG/M3
620 A	2-METHYLPHENOL	14U NG/M3	14U NG/M3	13U NG/M3	11U NG/M3
622 A	4-METHYLPHENOL	14U NG/M3	14U NG/M3	13U NG/M3	11U NG/M3
625 A	BENZOIC ACID	14U NG/M3	14U NG/M3	13U NG/M3	11U NG/M3
626 A	2,4,5-TRICHLOROPHENOL	72U NG/M3	71U NG/M3	67U NG/M3	54U NG/M3
	PESTICIDES / PCB'S				
701 P	ALDRIN	0.14U NG/M3	0.14U NG/M3	0.13U NG/M3	0.11U NG/M3
702 P	ALPHA-BHC	0.14U NG/M3	0.14U NG/M3	0.13U NG/M3	0.11U NG/M3
703 P	BETA-BHC	0.14U NG/M3	0.14U NG/M3	0.13U NG/M3	0.11U NG/M3
704 P	GAMMA-BHC	0.14U NG/M3	0.14U NG/M3	0.13U NG/M3	0.11U NG/M3
705 P	DELTA-BHC	0.14U NG/M3	0.14U NG/M3	0.13U NG/M3	0.11U NG/M3
706 P	CHLORDANE	1.4U NG/M3	1.4U NG/M3	1.3U NG/M3	1.1U NG/M3
707 P	4,4'-DDT	0.29U NG/M3	0.29U NG/M3	0.27U NG/M3	0.21U NG/M3
708 P	4,4'-DDE	0.29U NG/M3	0.29U NG/M3	0.27U NG/M3	0.21U NG/M3
709 P	4,4'-DDD	0.29U NG/M3	0.29U NG/M3	0.27U NG/M3	0.21U NG/M3
710 P	DIELDRIN	0.29U NG/M3	0.29U NG/M3	0.27U NG/M3	0.21U NG/M3
711 P	ALPHA-ENDOSULFAN	0.14U NG/M3	0.14U NG/M3	0.13U NG/M3	0.11U NG/M3

AR300495

	SITE	86021	86021	86021	86021
	POINT	AIR-1	AIR-1 DUP	AIR-2	AIR-3
	SAMPLE	10204	10204	10204	10204
	UNITS	NG/M3	NG/M3	NG/M3	NG/M3
	DATE	4-2-88	4-2-88	4-2-88	4-2-88
CMPD CL	CMPD-DESC				
712 P	BETA-ENDOSULFAN	0.29U NG/M3	0.29U NG/M3	0.27U NG/M3	0.21U NG/M3
713 P	ENDOSULFAN SULFATE	0.29U NG/M3	0.29U NG/M3	0.27U NG/M3	0.21U NG/M3
714 P	ENDRIN	0.29U NG/M3	0.29U NG/M3	0.27U NG/M3	0.21U NG/M3
716 P	HEPTACHLOR	0.14U NG/M3	0.14U NG/M3	0.13U NG/M3	0.11U NG/M3
717 P	HEPTACHLOR EPOXIDE	0.14U NG/M3	0.14U NG/M3	0.13U NG/M3	0.11U NG/M3
718 P	PCB-1242	1.4U NG/M3	1.4U NG/M3	1.3U NG/M3	1.1U NG/M3
719 P	PCB-1254	2.9U NG/M3	2.9U NG/M3	2.7U NG/M3	2.1U NG/M3
720 P	PCB-1221	1.4U NG/M3	1.4U NG/M3	1.3U NG/M3	1.1U NG/M3
721 P	PCB-1232	1.4U NG/M3	1.4U NG/M3	1.3U NG/M3	1.1U NG/M3
722 P	PCB-1248	1.4U NG/M3	1.4U NG/M3	1.3U NG/M3	1.1U NG/M3
723 P	PCB-1260	2.9U NG/M3	2.9U NG/M3	2.7U NG/M3	2.1U NG/M3
724 P	PCB-1016	1.4U NG/M3	1.4U NG/M3	1.3U NG/M3	1.1U NG/M3
725 P	TOXAPHENE	1.4U NG/M3	1.4U NG/M3	1.3U NG/M3	1.1U NG/M3
726 P	P,P'-METHOXYCHLOR	1.4U NG/M3	1.4U NG/M3	1.3U NG/M3	1.1U NG/M3
739 P	ENDRIN KETONE	0.29U NG/M3	0.29U NG/M3	0.27U NG/M3	0.21U NG/M3

AR300496

2.2 Soil Sample Results

CMPD CL	CMPD-DESC							
	SITE	84021	84021	84021	84021	84021	84021	84021
	POINT	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	SAMPLE	S1 0'-6'	S-1 2'	S-2 1'	S-3 1'	S-3 1.5'	S-4 2'	S-4 3'
	DATE	07/16/87	07/23/87	07/23/87	07/23/87	07/23/87	07/23/87	07/23/87
	DEPTH	0	2'	1'	1'	1.5'	2'	3'
	MATRIX	SO	SO	SO	SO	SO	SO	SO
	METALS LAB I.D. #	141516	142905	142906	142907	142908	142909	142910
101 M	ANTIMONY	12 N UG/KG	BDL 11 UG/KG	BDL 11 UG/KG	BDL 10 UG/KG	BDL 10 UG/KG	BDL 11 UG/KG	BDL 11 UG/KG
102 M	ARSENIC	280 UG/KG	54 UG/KG	162 UG/KG	137 UG/KG	191 UG/KG	466 UG/KG	208 UG/KG
103 M	BERYLLIUM	0.52 UG/KG	0.88 UG/KG	0.48 UG/KG	0.67 UG/KG	0.93 UG/KG	0.52 UG/KG	0.66 UG/KG
104 M	CADMIUM	BDL 0.89 UG/KG	BDL 0.9 UG/KG	1.3 N UG/KG	1.2 N UG/KG	0.99 N UG/KG	1.5 N UG/KG	1.2 UG/KG
105 M	CHROMIUM	240 UG/KG	82 UG/KG	328 UG/KG	384 UG/KG	489 UG/KG	426 UG/KG	261 UG/KG
106 M	COPPER	107 UG/KG	43 UG/KG	111 UG/KG	88 UG/KG	110 UG/KG	121 UG/KG	91 UG/KG
107 M	LEAD	26 * UG/KG	19 N F UG/KG	32 * UG/KG	44 N F UG/KG	56 N F UG/KG	60 * UG/KG	108 * UG/KG
108 M	MERCURY	0.33 * CV UG/KG	0.17 * CV UG/KG	BDL 0.1 UG/KG	0.27 * CV UG/KG	0.6 * CV UG/KG	0.24 * CV UG/KG	0.31 * CV UG/KG
109 M	NICKEL	7.8 UG/KG	13 UG/KG	14 UG/KG	21 UG/KG	17 UG/KG	29 UG/KG	21 UG/KG
110 M	SELENIUM	BDL 5.6 UG/KG	BDL 5.8 UG/KG	BDL 5.5 UG/KG	BDL 5.6 UG/KG	BDL 5.5 UG/KG	BDL 5.6 UG/KG	BDL 5.9 UG/KG
111 M	SILVER	BDL 1.6 UG/KG	BDL 1.6 UG/KG	BDL 1.5 UG/KG	BDL 1.5 UG/KG	BDL 1.5 UG/KG	BDL 1.6 UG/KG	BDL 1.6 UG/KG
112 M	THALLIUM	BDL 0.49 UG/KG	BDL 0.51 UG/KG	BDL 0.48 UG/KG	BDL 0.49 UG/KG	BDL 4.8 UG/KG	BDL 0.498 UG/KG	BDL 0.52 UG/KG
113 M	ZINC	627 UG/KG	206 UG/KG	844 UG/KG	1370 UG/KG	1250 UG/KG	1230 UG/KG	906 UG/KG
114 M	BARIUM	80 UG/KG	126 UG/KG	109 UG/KG	99 UG/KG	115 UG/KG	141 UG/KG	130 UG/KG
115 M	IRON	10900 UG/KG	15700 UG/KG	13100 UG/KG	28500 UG/KG	29000 UG/KG	9830 UG/KG	7530 UG/KG
116 M	MANGANESE	440 N UG/KG	376 N UG/KG	460 N UG/KG	3050 N UG/KG	3410 N UG/KG	319 N UG/KG	348 N UG/KG
117 M	VANADIUM	30 E UG/KG	38 E UG/KG	35 E UG/KG	120 E UG/KG	158 E UG/KG	28 E UG/KG	26 E UG/KG
118 M	ALUMINUM	5430 UG/KG	10500 UG/KG	7290 UG/KG	5770 UG/KG	6860 UG/KG	6370 UG/KG	5840 UG/KG
120 M	COBALT	7.3 UG/KG	10 UG/KG	7.7 UG/KG	3.2 UG/KG	3 UG/KG	5 UG/KG	5.5 UG/KG
121 M	MAGNESIUM	79900 UG/KG	29900 UG/KG	40500 UG/KG	66300 UG/KG	59900 UG/KG	44100 UG/KG	75200 UG/KG
129 M	CALCIUM	134000 UG/KG	51000 UG/KG	69900 UG/KG	126000 UG/KG	119000 UG/KG	75100 UG/KG	129000 UG/KG
130 M	SODIUM	1610 UG/KG	896 UG/KG	1290 UG/KG	2100 UG/KG	1890 UG/KG	1470 UG/KG	2050 UG/KG
131 M	POTASSIUM	2600 UG/KG	3360 UG/KG	3480 UG/KG	1540 UG/KG	1580 UG/KG	2200 UG/KG	1520 UG/KG
	V.O.C. LAB I.D. #	141496	142875	142876	142877	142878	142879	142880
203 V	BENZENE	1.2 J B ug/kg	BDL 5.7 ug/kg	BDL 5.6 ug/kg	1.1 J ug/kg	1.8 J ug/kg	BDL 5.8 ug/kg	BDL 5.8 ug/kg
205 V	BROMOFORM	BDL 5.6 ug/kg	BDL 5.7 ug/kg	BDL 5.6 ug/kg	BDL 5.6 ug/kg	BDL 5.6 ug/kg	BDL 5.8 ug/kg	BDL 5.8 ug/kg
206 V	CARBON TETRACHLORIDE	BDL 5.6 ug/kg	BDL 5.7 ug/kg	BDL 5.6 ug/kg	BDL 5.6 ug/kg	BDL 5.6 ug/kg	BDL 5.8 ug/kg	BDL 5.8 ug/kg
207 V	CHLOROBENZENE	BDL 5.6 ug/kg	BDL 5.7 ug/kg	BDL 5.6 ug/kg	BDL 5.6 ug/kg	BDL 5.6 ug/kg	BDL 5.8 ug/kg	BDL 5.8 ug/kg
208 V	DIBROMOCHLOROMETHANE	BDL 5.6 ug/kg	BDL 5.7 ug/kg	BDL 5.6 ug/kg	BDL 5.6 ug/kg	BDL 5.6 ug/kg	BDL 5.8 ug/kg	BDL 5.8 ug/kg
209 V	CHLOROETHANE	BDL 11 ug/kg	BDL 11 ug/kg	BDL 11 ug/kg	BDL 11 ug/kg	BDL 11 ug/kg	BDL 12 ug/kg	BDL 12 ug/kg
210 V	2-CHLOROETHYLVINYLETHER	BDL 11 ug/kg	BDL 11 ug/kg	BDL 11 ug/kg	BDL 11 ug/kg	BDL 11 ug/kg	BDL 12 ug/kg	BDL 12 ug/kg
211 V	CHLOROFORM	BDL 5.6 ug/kg	BDL 5.7 ug/kg	BDL 5.6 ug/kg	BDL 5.6 ug/kg	BDL 5.6 ug/kg	BDL 5.8 ug/kg	BDL 5.8 ug/kg
212 V	BROMODICHLOROMETHANE	BDL 5.6 ug/kg	BDL 5.7 ug/kg	BDL 5.6 ug/kg	BDL 5.6 ug/kg	BDL 5.6 ug/kg	BDL 5.8 ug/kg	BDL 5.8 ug/kg
214 V	1,1-DICHLOROETHANE	BDL 5.6 ug/kg	BDL 5.7 ug/kg	BDL 5.6 ug/kg	BDL 5.6 ug/kg	BDL 5.6 ug/kg	BDL 5.8 ug/kg	BDL 5.8 ug/kg
215 V	1,2-DICHLOROETHANE	BDL 5.6 ug/kg	BDL 5.7 ug/kg	BDL 5.6 ug/kg	BDL 5.6 ug/kg	BDL 5.6 ug/kg	BDL 5.8 ug/kg	BDL 5.8 ug/kg
216 V	1,1-DICHLOROETHENE	BDL 5.6 ug/kg	BDL 5.7 ug/kg	BDL 5.6 ug/kg	BDL 5.6 ug/kg	BDL 5.6 ug/kg	BDL 5.8 ug/kg	BDL 5.8 ug/kg
217 V	1,2-DICHLOROPROPANE	BDL 5.6 ug/kg	BDL 5.7 ug/kg	BDL 5.6 ug/kg	BDL 5.6 ug/kg	BDL 5.6 ug/kg	BDL 5.8 ug/kg	BDL 5.8 ug/kg
218 V	CIS-1,3-DICHLOROPROPENE	BDL 5.6 ug/kg	BDL 5.7 ug/kg	BDL 5.6 ug/kg	BDL 5.6 ug/kg	BDL 5.6 ug/kg	BDL 5.8 ug/kg	BDL 5.8 ug/kg
219 V	ETHYLBENZENE	BDL 5.6 ug/kg	BDL 5.7 ug/kg	BDL 5.6 ug/kg	BDL 5.6 ug/kg	18 ug/kg	BDL 5.8 ug/kg	25 ug/kg
220 V	BROMOMETHANE	BDL 11 ug/kg	BDL 11 ug/kg	BDL 11 ug/kg	BDL 11 ug/kg	BDL 11 ug/kg	BDL 12 ug/kg	BDL 12 ug/kg
221 V	CHLOROMETHANE	BDL 11 ug/kg	BDL 11 ug/kg	BDL 11 ug/kg	BDL 11 ug/kg	BDL 11 ug/kg	BDL 12 ug/kg	BDL 12 ug/kg

AR300110

	SITE	86021		86021		86021		86021		86021		86021		86021	
	POINT	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	SAMPLE	S1 0"-6"		S-1 2'		S-2 1'		S-3 1'		S-3 1.5'		S-4 2'		S-4 3'	
	DATE	07/16/87		07/23/87		07/23/87		07/23/87		07/23/87		07/23/87		07/23/87	
	DEPTH	0		2'		1'		1'		1.5'		2'		3'	
	MATRIX	SO		SO		SO		SO		SO		SO		SO	
CMPD CL	CMPD-DESC														
222 V	METHYLENE CHLORIDE	26	B ug/kg	91	B ug/kg	38	B ug/kg	12	B ug/kg	18	B ug/kg	14	B ug/kg	10	B ug/kg
223 V	1,1,2,2-TETRACHLOROETHANE	BDL	5.6 ug/kg	BDL	5.7 ug/kg	BDL	5.6 ug/kg	BDL	5.6 ug/kg	BDL	5.6 ug/kg	BDL	5.8 ug/kg	BDL	5.8 ug/kg
224 V	TETRACHLOROETHENE	BDL	5.6 ug/kg	BDL	5.7 ug/kg	BDL	5.6 ug/kg	1.3	J ug/kg	1.1	J ug/kg	10	ug/kg	5.3	J ug/kg
225 V	TOLUENE	BDL	5.6 ug/kg	BDL	5.7 ug/kg	BDL	5.6 ug/kg	7.3	ug/kg	7.5	ug/kg	8.6	ug/kg	14	ug/kg
226 V	TRANS-1,2-DICHLOROETHENE	BDL	5.6 ug/kg	BDL	5.7 ug/kg	BDL	5.6 ug/kg	BDL	5.6 ug/kg	BDL	5.6 ug/kg	BDL	5.8 ug/kg	BDL	5.8 ug/kg
227 V	1,1,1-TRICHLOROETHANE	BDL	5.6 ug/kg	BDL	5.7 ug/kg	BDL	5.6 ug/kg	BDL	5.6 ug/kg	BDL	5.6 ug/kg	BDL	5.8 ug/kg	BDL	5.8 ug/kg
228 V	1,1,2-TRICHLOROETHANE	BDL	5.6 ug/kg	BDL	5.7 ug/kg	BDL	5.6 ug/kg	BDL	5.6 ug/kg	BDL	5.6 ug/kg	BDL	5.8 ug/kg	BDL	5.8 ug/kg
229 V	TRICHLOROETHENE	BDL	5.6 ug/kg	BDL	5.7 ug/kg	BDL	5.6 ug/kg	BDL	5.6 ug/kg	BDL	5.6 ug/kg	BDL	5.8 ug/kg	BDL	5.8 ug/kg
231 V	VINYL CHLORIDE	BDL	11 ug/kg	BDL	11 ug/kg	BDL	11 ug/kg	BDL	11 ug/kg	BDL	11 ug/kg	BDL	12 ug/kg	BDL	12 ug/kg
250 V	TRANS-1,3-DICHLOROPROPENE	BDL	5.6 ug/kg	BDL	5.7 ug/kg	BDL	5.6 ug/kg	BDL	5.6 ug/kg	BDL	5.6 ug/kg	BDL	5.8 ug/kg	BDL	5.8 ug/kg
251 V	STYRENE	BDL	5.6 ug/kg	BDL	5.7 ug/kg	BDL	5.6 ug/kg	BDL	5.6 ug/kg	BDL	5.6 ug/kg	BDL	5.8 ug/kg	BDL	5.8 ug/kg
252 V	ACETONE	12	B ug/kg	8.9	J B ug/kg	10	J ug/kg	41	B ug/kg	34	B ug/kg	10	J B ug/kg	18	B ug/kg
253 V	2-BUTANONE	BDL	11 ug/kg	BDL	11 ug/kg	BDL	11 ug/kg	45	ug/kg	16	ug/kg	BDL	12 ug/kg	16	ug/kg
254 V	CARBON DISULFIDE	BDL	5.6 ug/kg	BDL	5.7 ug/kg	BDL	5.6 ug/kg	BDL	5.6 ug/kg	BDL	5.6 ug/kg	BDL	5.8 ug/kg	BDL	5.8 ug/kg
255 V	2-HEXANONE	BDL	11 ug/kg	BDL	11 ug/kg	BDL	11 ug/kg	BDL	11 ug/kg	BDL	11 ug/kg	BDL	12 ug/kg	BDL	12 ug/kg
256 V	4-METHYL-2-PENTANONE	BDL	11 ug/kg	BDL	11 ug/kg	BDL	11 ug/kg	BDL	11 ug/kg	BDL	11 ug/kg	BDL	12 ug/kg	BDL	12 ug/kg
257 V	VINYL ACETATE	BDL	11 ug/kg	BDL	11 ug/kg	BDL	11 ug/kg	BDL	11 ug/kg	BDL	11 ug/kg	BDL	12 ug/kg	BDL	12 ug/kg
289 V	XYLENES (TOTAL)	BDL	5.6 ug/kg	BDL	5.7 ug/kg	17	ug/kg	BDL	5.6 ug/kg	160	ug/kg	720	ug/kg	250	ug/kg
	ACID EXTRACT/ BASE NEUT. LAB ID #	141496		142875		142876		142877		142878		142879		142880	
	==========	======		======		======		======		======		======		======	
401 B	ACENAPHTHENE	BDL	390 ug/kg	9200	D ug/kg	5400	ug/kg	4700	ug/kg	14000	J ug/kg	5600	J ug/kg	6100	J ug/kg
402 B	ACENAPHTHYLENE	BDL	390 ug/kg	120	J ug/kg	730	ug/kg	BDL	1900 ug/kg	BDL	22000 ug/kg	BDL	23000 ug/kg	BDL	23000 ug/kg
403 B	ANTHRACENE	BDL	390 ug/kg	4200	ug/kg	2400	ug/kg	1800	J ug/kg	7800	J ug/kg	BDL	23000 ug/kg	BDL	23000 ug/kg
405 B	BENZO(A)ANTHRACENE	BDL	390 ug/kg	4000	D ug/kg	6500	ug/kg	1800	J ug/kg	7500	J ug/kg	2600	J ug/kg	3300	J ug/kg
406 B	BENZO(A)PYRENE	120	J ug/kg	3400	ug/kg	4700	ug/kg	1200	J ug/kg	2400	J ug/kg	BDL	23000 ug/kg	BDL	23000 ug/kg
407 B	BENZO(B)FLUORANTHENE	330	J ug/kg	2800	D ug/kg	10000	D ug/kg	3300	ug/kg	4200	J ug/kg	3700	J ug/kg	3300	J ug/kg
408 B	BENZO(G,H,I)PERYLENE	BDL	390 ug/kg	1700	ug/kg	3100	ug/kg	BDL	1900 ug/kg	BDL	22000 ug/kg	BDL	23000 ug/kg	BDL	23000 ug/kg
409 B	BENZO(K)FLUORANTHENE	330	J ug/kg	2800	D ug/kg	10000	D ug/kg	3300	ug/kg	4200	J ug/kg	3700	J ug/kg	3300	J ug/kg
410 B	BIS(-2-CHLOROETHOXY)METHANE	BDL	390 ug/kg	BDL	380 ug/kg	BDL	370 ug/kg	BDL	1900 ug/kg	BDL	22000 ug/kg	BDL	23000 ug/kg	BDL	23000 ug/kg
411 B	BIS(-2-CHLOROETHYL)ETHER	BDL	390 ug/kg	BDL	380 ug/kg	BDL	370 ug/kg	BDL	1900 ug/kg	BDL	22000 ug/kg	BDL	23000 ug/kg	BDL	23000 ug/kg
412 B	BIS(2-CHLOROISOPROPYL)ETHER	BDL	390 ug/kg	BDL	380 ug/kg	BDL	370 ug/kg	BDL	1900 ug/kg	BDL	22000 ug/kg	BDL	23000 ug/kg	BDL	23000 ug/kg
413 B	BIS(2-ETHYLHEXYL)PHTHALATE	280	J ug/kg	270	J ug/kg	1700	ug/kg	2700	ug/kg	4400	J ug/kg	5800	J ug/kg	6600	J ug/kg
414 B	4-BROMOPHENYL-PHENYLETHER	BDL	390 ug/kg	BDL	380 ug/kg	BDL	370 ug/kg	BDL	1900 ug/kg	BDL	22000 ug/kg	BDL	23000 ug/kg	BDL	23000 ug/kg
415 B	BUTYLBENZYLPHTHALATE	120	J ug/kg	BDL	380 ug/kg	BDL	370 ug/kg	360	J ug/kg	BDL	22000 ug/kg	BDL	23000 ug/kg	BDL	23000 ug/kg
416 B	2-CHLORONAPHTHALENE	BDL	390 ug/kg	BDL	380 ug/kg	BDL	370 ug/kg	BDL	1900 ug/kg	BDL	22000 ug/kg	BDL	23000 ug/kg	BDL	23000 ug/kg
417 B	4-CHLOROPHENYL-PHENYLETHER	BDL	390 ug/kg	BDL	380 ug/kg	BDL	370 ug/kg	BDL	1900 ug/kg	BDL	22000 ug/kg	BDL	23000 ug/kg	BDL	23000 ug/kg
418 B	CHRYSENE	130	J ug/kg	5000	ug/kg	6100	ug/kg	2800	ug/kg	10000	J ug/kg	4000	J ug/kg	4200	J ug/kg
419 B	DIBENZ(A,H)ANTHRACENE	BDL	390 ug/kg	810	ug/kg	1600	ug/kg	BDL	1900 ug/kg	BDL	22000 ug/kg	BDL	23000 ug/kg	BDL	23000 ug/kg
420 B	1,2-DICHLOROBENZENE	BDL	390 ug/kg	BDL	380 ug/kg	BDL	370 ug/kg	BDL	1900 ug/kg	BDL	22000 ug/kg	BDL	23000 ug/kg	BDL	23000 ug/kg
421 B	1,3-DICHLOROBENZENE	BDL	390 ug/kg	BDL	380 ug/kg	BDL	370 ug/kg	BDL	1900 ug/kg	BDL	22000 ug/kg	BDL	23000 ug/kg	BDL	23000 ug/kg
422 B	1,4-DICHLOROBENZENE	BDL	390 ug/kg	BDL	380 ug/kg	BDL	370 ug/kg	BDL	1900 ug/kg	BDL	22000 ug/kg	BDL	23000 ug/kg	BDL	23000 ug/kg
423 B	3,3'-DICHLOROBENZIDINE	BDL	770 ug/kg	BDL	770 ug/kg	BDL	750 ug/kg	BDL	3800 ug/kg	BDL	44000 ug/kg	BDL	47000 ug/kg	BDL	47000 ug/kg
424 B	DIETHYLPHTHALATE	BDL	390 ug/kg	BDL	380 ug/kg	BDL	370 ug/kg	BDL	1900 ug/kg	BDL	22000 ug/kg	BDL	23000 ug/kg	BDL	23000 ug/kg
425 B	DIMETHYL PHTHALATE	BDL	390 ug/kg	BDL	380 ug/kg	BDL	370 ug/kg	BDL	1900 ug/kg	BDL	22000 ug/kg	BDL	23000 ug/kg	BDL	23000 ug/kg

		SITE	86021		86021		86021		86021		86021		86021		86021	
		POINT	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
		SAMPLE	S1 0'-6'		S-1 2'		S-2 1'		S-3 1'		S-3 1.5'		S-4 2'		S-4 3'	
		DATE	07/16/87		07/23/87		07/23/87		07/23/87		07/23/87		07/23/87		07/23/87	
		DEPTH	0		2'		1'		1'		1.5'		2'		3'	
		MATRIX	SO		SO		SO		SO		SO		SO		SO	
CMPD	CL	CMPD-DESC														
426	B	DI-N-BUTYLPHTHALATE	BDL	390 ug/kg	BDL	380 ug/kg	BDL	370 ug/kg	BDL	1900 ug/kg	BDL	22000 ug/kg	BDL	23000 ug/kg	BDL	23000 ug/kg
427	B	2,4-DINITROTOLUENE	BDL	390 ug/kg	BDL	380 ug/kg	BDL	370 ug/kg	BDL	1900 ug/kg	BDL	22000 ug/kg	BDL	23000 ug/kg	BDL	23000 ug/kg
428	B	2,6-DINITROTOLUENE	BDL	390 ug/kg	BDL	380 ug/kg	BDL	370 ug/kg	BDL	1900 ug/kg	BDL	22000 ug/kg	BDL	23000 ug/kg	BDL	23000 ug/kg
429	B	DI-N-OCTYL PHTHALATE	140	J ug/kg	BDL	380 ug/kg	490	ug/kg	BDL	1900 ug/kg	BDL	22000 ug/kg	BDL	23000 ug/kg	BDL	23000 ug/kg
431	B	FLUORANTHENE	150	J ug/kg	18000	D ug/kg	7100	D ug/kg	6800	ug/kg	32000	ug/kg	10000	J ug/kg	10000	J ug/kg
432	B	FLUORENE	BDL	390 ug/kg	7800	D ug/kg	3600	ug/kg	4500	ug/kg	18000	J ug/kg	7200	J ug/kg	8000	J ug/kg
433	B	HEXACHLOROBENZENE	BDL	390 ug/kg	BDL	380 ug/kg	BDL	370 ug/kg	BDL	1900 ug/kg	BDL	22000 ug/kg	BDL	23000 ug/kg	BDL	23000 ug/kg
434	B	HEXACHLOROBUTADIENE	BDL	390 ug/kg	BDL	380 ug/kg	BDL	370 ug/kg	BDL	1900 ug/kg	BDL	22000 ug/kg	BDL	23000 ug/kg	BDL	23000 ug/kg
435	B	HEXACHLOROCYCLOPENTADIENE	BDL	390 ug/kg	BDL	380 ug/kg	BDL	370 ug/kg	BDL	1900 ug/kg	BDL	22000 ug/kg	BDL	23000 ug/kg	BDL	23000 ug/kg
436	B	HEXACHLOROETHANE	BDL	390 ug/kg	BDL	380 ug/kg	BDL	370 ug/kg	BDL	1900 ug/kg	BDL	22000 ug/kg	BDL	23000 ug/kg	BDL	23000 ug/kg
437	B	INDENO(1,2,3-CD)PYRENE	BDL	390 ug/kg	1800	ug/kg	3000	ug/kg	BDL	1900 ug/kg	BDL	22000 ug/kg	BDL	23000 ug/kg	BDL	23000 ug/kg
438	B	ISOPHORONE	BDL	390 ug/kg	BDL	380 ug/kg	BDL	370 ug/kg	BDL	1900 ug/kg	BDL	22000 ug/kg	BDL	23000 ug/kg	BDL	23000 ug/kg
439	B	NAPHTHALENE	BDL	390 ug/kg	7700	D ug/kg	6200	ug/kg	6600	ug/kg	25000	ug/kg	19000	J ug/kg	10000	J ug/kg
440	B	NITROBENZENE	BDL	390 ug/kg	BDL	380 ug/kg	BDL	370 ug/kg	BDL	1900 ug/kg	BDL	22000 ug/kg	BDL	23000 ug/kg	BDL	23000 ug/kg
442	B	N-NITROSO-DI-N-PROPYLAMINE	BDL	390 ug/kg	BDL	380 ug/kg	BDL	370 ug/kg	BDL	1900 ug/kg	BDL	22000 ug/kg	BDL	23000 ug/kg	BDL	23000 ug/kg
443	B	N-NITROSODIPHENYLAMINE(1)	BDL	390 ug/kg	BDL	380 ug/kg	7300	D ug/kg	8600	ug/kg	BDL	22000 ug/kg	BDL	23000 ug/kg	BDL	23000 ug/kg
444	B	PHENANTHRENE	46	J ug/kg	19000	D ug/kg	7200	D ug/kg	16000	ug/kg	61000	ug/kg	21000	J ug/kg	26000	ug/kg
445	B	PYRENE	140	J ug/kg	12000	D ug/kg	11000	D ug/kg	11000	ug/kg	37000	ug/kg	15000	J ug/kg	14000	ug/kg
446	B	1,2,4-TRICHLOROBENZENE	BDL	390 ug/kg	BDL	380 ug/kg	BDL	370 ug/kg	BDL	1900 ug/kg	BDL	22000 ug/kg	BDL	23000 ug/kg	BDL	23000 ug/kg
456	B	1,2,3,4-TETRACHLOROBENZENE	NA		NA		NA		NA		BDL	22000 ug/kg	BDL	23000 ug/kg	BDL	23000 ug/kg
474	B	BENZYL ALCOHOL	BDL	390 ug/kg	BDL	380 ug/kg	BDL	370 ug/kg	BDL	1900 ug/kg	BDL	22000 ug/kg	BDL	23000 ug/kg	BDL	23000 ug/kg
475	B	4-CHLOROANILINE	BDL	390 ug/kg	BDL	380 ug/kg	BDL	370 ug/kg	BDL	1900 ug/kg	BDL	22000 ug/kg	BDL	23000 ug/kg	BDL	23000 ug/kg
476	B	DIBENZOFURAN	BDL	390 ug/kg	6800	ug/kg	1800	ug/kg	BDL	1900 ug/kg	BDL	22000 ug/kg	4000	J ug/kg	BDL	23000 ug/kg
477	B	2-METHYLNAPHTHALENE	BDL	390 ug/kg	5100	ug/kg	3200	ug/kg	4400	ug/kg	17000	J ug/kg	20000	J ug/kg	19000	J ug/kg
478	B	2-NITROANILINE	BDL	1900 ug/kg	BDL	1900 ug/kg	BDL	1900 ug/kg	BDL	9400 ug/kg	BDL	110000 ug/kg	BDL	120000 ug/kg	BDL	120000 ug/kg
479	B	3-NITROANILINE	BDL	1900 ug/kg	BDL	1900 ug/kg	BDL	1900 ug/kg	BDL	9400 ug/kg	BDL	110000 ug/kg	BDL	120000 ug/kg	BDL	120000 ug/kg
480	B	4-NITROANILINE	BDL	1900 ug/kg	BDL	1900 ug/kg	BDL	1900 ug/kg	BDL	9400 ug/kg	BDL	110000 ug/kg	BDL	120000 ug/kg	BDL	120000 ug/kg
601	A	2-CHLOROPHENOL	BDL	390 ug/kg	BDL	380 ug/kg	BDL	370 ug/kg	BDL	1900 ug/kg	BDL	22000 ug/kg	BDL	23000 ug/kg	BDL	23000 ug/kg
602	A	2,4-DICHLOROPHENOL	BDL	390 ug/kg	BDL	380 ug/kg	BDL	370 ug/kg	BDL	1900 ug/kg	BDL	22000 ug/kg	BDL	23000 ug/kg	BDL	23000 ug/kg
603	A	2,4-DIMETHYLPHENOL	BDL	390 ug/kg	BDL	380 ug/kg	BDL	370 ug/kg	BDL	1900 ug/kg	BDL	22000 ug/kg	BDL	23000 ug/kg	BDL	23000 ug/kg
604	A	4,6-DINITRO-2-METHYLPHENOL	BDL	1900 ug/kg	BDL	1900 ug/kg	BDL	1900 ug/kg	BDL	9400 ug/kg	BDL	110000 ug/kg	BDL	120000 ug/kg	BDL	120000 ug/kg
605	A	2,4-DINITROPHENOL	BDL	1900 ug/kg	BDL	1900 ug/kg	BDL	1900 ug/kg	BDL	9400 ug/kg	BDL	110000 ug/kg	BDL	120000 ug/kg	BDL	120000 ug/kg
606	A	2-NITROPHENOL	BDL	390 ug/kg	BDL	380 ug/kg	BDL	370 ug/kg	BDL	1900 ug/kg	BDL	22000 ug/kg	BDL	23000 ug/kg	BDL	23000 ug/kg
607	A	4-NITROPHENOL	BDL	1900 ug/kg	BDL	1900 ug/kg	BDL	1900 ug/kg	BDL	9400 ug/kg	BDL	110000 ug/kg	BDL	120000 ug/kg	BDL	120000 ug/kg
608	A	4-CHLORO-3-METHYLPHENOL	BDL	390 ug/kg	BDL	380 ug/kg	BDL	370 ug/kg	BDL	1900 ug/kg	BDL	22000 ug/kg	BDL	23000 ug/kg	BDL	23000 ug/kg
609	A	PENTACHLOROPHENOL	1000	J ug/kg	780	J ug/kg	19000	D ug/kg	130000	D ug/kg	120000	ug/kg	270000	ug/kg	600000	D ug/kg
610	A	PHENOL	BDL	390 ug/kg	BDL	380 ug/kg	BDL	370 ug/kg	BDL	1900 ug/kg	BDL	22000 ug/kg	BDL	23000 ug/kg	BDL	23000 ug/kg
611	A	2,4,6-TRICHLOROPHENOL	BDL	390 ug/kg	BDL	380 ug/kg	BDL	370 ug/kg	BDL	1900 ug/kg	BDL	22000 ug/kg	BDL	23000 ug/kg	BDL	23000 ug/kg
620	A	2-METHYLPHENOL	BDL	390 ug/kg	BDL	380 ug/kg	BDL	370 ug/kg	BDL	1900 ug/kg	BDL	22000 ug/kg	BDL	23000 ug/kg	BDL	23000 ug/kg
622	A	4-METHYLPHENOL	BDL	390 ug/kg	BDL	380 ug/kg	BDL	370 ug/kg	BDL	1900 ug/kg	BDL	22000 ug/kg	BDL	23000 ug/kg	BDL	23000 ug/kg
625	A	BENZOIC ACID	BDL	1900 ug/kg	BDL	1900 ug/kg	BDL	1900 ug/kg	BDL	9400 ug/kg	BDL	110000 ug/kg	BDL	120000 ug/kg	BDL	120000 ug/kg
626	A	2,4,5-TRICHLOROPHENOL	BDL	1900 ug/kg	BDL	1900 ug/kg	BDL	1900 ug/kg	BDL	9400 ug/kg	BDL	110000 ug/kg	BDL	120000 ug/kg	BDL	120000 ug/kg
		PESTICIDE/ PCB'S LAB I.D. #	141496		142875		142876		142877		142878		142879		142880	

	SITE	86021		86021		86021		86021		86021		86021		86021	
	POINT	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	SAMPLE	S1 0'-6'		S-1 2'		S-2 1'		S-3 1'		S-3 1.5'		S-4 2'		S-4 3'	
	DATE	07/16/87		07/23/87		07/23/87		07/23/87		07/23/87		07/23/87		07/23/87	
	DEPTH	0		2'		1'		1'		1.5'		2'		3'	
	MATRIX	SO		SO		SO		SO		SO		SO		SO	
CMPD CL	CMPD-DESC														
701 P	ALDRIN	BDL	9 ug/kg	BDL	9.1 ug/kg	BDL	35 ug/kg	BDL	130 ug/kg	BDL	130 ug/kg	BDL	140 ug/kg	BDL	140 ug/kg
702 P	ALPHA-BHC	BDL	9 ug/kg	BDL	9.1 ug/kg	BDL	35 ug/kg	BDL	130 ug/kg	BDL	130 ug/kg	BDL	140 ug/kg	BDL	140 ug/kg
703 P	BETA-BHC	BDL	9 ug/kg	BDL	9.1 ug/kg	BDL	35 ug/kg	660	ug/kg	1300	ug/kg	BDL	140 ug/kg	BDL	140 ug/kg
704 P	GAMMA-BHC	BDL	9 ug/kg	BDL	9.1 ug/kg	BDL	35 ug/kg	BDL	130 ug/kg	BDL	130 ug/kg	BDL	140 ug/kg	BDL	140 ug/kg
705 P	DELTA-BHC	BDL	9 ug/kg	BDL	9.1 ug/kg	BDL	35 ug/kg	BDL	130 ug/kg	BDL	130 ug/kg	BDL	140 ug/kg	BDL	140 ug/kg
706 P	CHLORDANE	BDL	90 ug/kg	BDL	91 ug/kg	BDL	350 ug/kg	BDL	1300 ug/kg	BDL	1300 ug/kg	BDL	1400 ug/kg	BDL	1400 ug/kg
707 P	4,4'-DDT	BDL	18 ug/kg	BDL	18 ug/kg	BDL	71 ug/kg	BDL	270 ug/kg	BDL	270 ug/kg	BDL	280 ug/kg	BDL	280 ug/kg
708 P	4,4'-DDE	BDL	18 ug/kg	BDL	18 ug/kg	BDL	71 ug/kg	BDL	270 ug/kg	BDL	270 ug/kg	BDL	280 ug/kg	BDL	280 ug/kg
709 P	4,4'-DDD	BDL	18 ug/kg	BDL	18 ug/kg	BDL	71 ug/kg	BDL	270 ug/kg	BDL	270 ug/kg	BDL	280 ug/kg	BDL	280 ug/kg
710 P	DIELDRIN	BDL	18 ug/kg	BDL	18 ug/kg	BDL	71 ug/kg	BDL	270 ug/kg	BDL	270 ug/kg	BDL	280 ug/kg	BDL	280 ug/kg
711 P	ALPHA-ENDOSULFAN	BDL	9 ug/kg	BDL	9.1 ug/kg	BDL	35 ug/kg	BDL	130 ug/kg	BDL	130 ug/kg	BDL	140 ug/kg	BDL	140 ug/kg
712 P	BETA-ENDOSULFAN	BDL	18 ug/kg	BDL	18 ug/kg	BDL	71 ug/kg	BDL	270 ug/kg	BDL	270 ug/kg	BDL	280 ug/kg	BDL	280 ug/kg
713 P	ENDOSULFAN SULFATE	BDL	18 ug/kg	BDL	18 ug/kg	BDL	71 ug/kg	BDL	270 ug/kg	BDL	270 ug/kg	BDL	280 ug/kg	BDL	280 ug/kg
714 P	ENDRIN	BDL	18 ug/kg	BDL	18 ug/kg	BDL	71 ug/kg	BDL	270 ug/kg	BDL	270 ug/kg	BDL	280 ug/kg	BDL	280 ug/kg
715 P	ENDRIN ALDEHYDE	NA		NA		NA		BDL	2700 ug/kg	BDL	2700 ug/kg	BDL	2800 ug/kg	BDL	2800 ug/kg
716 P	HEPTACHLOR	BDL	9 ug/kg	BDL	9.1 ug/kg	BDL	35 ug/kg	BDL	130 ug/kg	BDL	130 ug/kg	BDL	140 ug/kg	BDL	140 ug/kg
717 P	HEPTACHLOR EPOXIDE	BDL	9 ug/kg	BDL	9.1 ug/kg	BDL	35 ug/kg	BDL	130 ug/kg	BDL	130 ug/kg	BDL	140 ug/kg	BDL	140 ug/kg
718 P	PCB-1242	BDL	90 ug/kg	BDL	91 ug/kg	BDL	350 ug/kg	BDL	1300 ug/kg	BDL	1300 ug/kg	BDL	1400 ug/kg	BDL	1400 ug/kg
719 P	PCB-1254	BDL	180 ug/kg	BDL	180 ug/kg	BDL	710 ug/kg	BDL	2700 ug/kg	BDL	2700 ug/kg	BDL	2800 ug/kg	BDL	2800 ug/kg
720 P	PCB-1221	BDL	90 ug/kg	BDL	91 ug/kg	BDL	350 ug/kg	BDL	1300 ug/kg	BDL	1300 ug/kg	BDL	1400 ug/kg	BDL	1400 ug/kg
721 P	PCB-1232	BDL	90 ug/kg	BDL	91 ug/kg	BDL	350 ug/kg	BDL	1300 ug/kg	BDL	1300 ug/kg	BDL	1400 ug/kg	BDL	1400 ug/kg
722 P	PCB-1248	BDL	90 ug/kg	BDL	91 ug/kg	BDL	350 ug/kg	BDL	1300 ug/kg	BDL	1300 ug/kg	BDL	1400 ug/kg	BDL	1400 ug/kg
723 P	PCB-1260	BDL	180 ug/kg	BDL	180 ug/kg	1600	ug/kg	BDL	2700 ug/kg	BDL	2700 ug/kg	BDL	2800 ug/kg	BDL	2800 ug/kg
724 P	PCB-1016	BDL	90 ug/kg	BDL	91 ug/kg	BDL	350 ug/kg	BDL	1300 ug/kg	BDL	1300 ug/kg	BDL	1400 ug/kg	BDL	1400 ug/kg
725 P	TOXAPHENE	BDL	180 ug/kg	BDL	180 ug/kg	BDL	710 ug/kg	BDL	2700 ug/kg	BDL	2700 ug/kg	BDL	2800 ug/kg	BDL	2800 ug/kg
726 P	P,P'-METHOXYCHLOR	BDL	90 ug/kg	BDL	91 ug/kg	BDL	350 ug/kg	BDL	1300 ug/kg	BDL	1300 ug/kg	BDL	1400 ug/kg	BDL	1400 ug/kg
739 P	ENDRIN KETONE	BDL	18 ug/kg	BDL	18 ug/kg	BDL	710 ug/kg	BDL	270 ug/kg	BDL	2700 ug/kg	BDL	2800 ug/kg	BDL	2800 ug/kg
	OIL & GREASE LAB ID #	141508		142930		142931		142932		142937		142941		142942	
	==========	======		======		======		======		======		======		======	
1033 C	OIL AND GREASE	3800	mg/kg	2300	mg/kg	8200	mg/kg	26000	mg/kg	24000	mg/kg	50000	mg/kg	34000	mg/kg
		141516		142905		142906		142907		142908		142909		142910	
		======		======		======		======		======		======		======	
1080 C	PERCENT SOLIDS	88		87		91		89		91		87		84	
		141516		142905		142906		142907		142908		142909		142910	
		======		======		======		======		======		======		======	
1001 C	CYANIDE	BDL	0.57 MG/KG	BDL	0.57 MG/KG	BDL	0.55 MG/KG	BDL	0.56 MG/KG	BDL	0.55 MG/KG	BDL	0.57 MG/KG	BDL	0.6 MG/KG
		141496		142875		142876		142877		142878		142879		142880	
		======		======		======		======		======		======		======	
1047 C	PH	6.9	pH	7.21	pH	7.24	pH	7.26	pH	7.21	pH	7.13	pH	7.07	pH

AR300501

CMPD CL	CMPD-DESC																		
	SITE	86021		86021		86021		86021		86021		86021		86021					
	POINT	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL					
	SAMPLE	S-5 1'		S-6 1'		S-7 1'		S-7 2'		S-7 3'		S-8 17'		S-8 2'					
	DATE	07/23/87		07/23/87		07/23/87		07/23/87		07/23/87		07/23/87		07/23/87					
	DEPTH	1'		1'		1'		2'		3'		17'		2'					
	MATRIX	SO		SO		SO		SO		SO		SO		SO					
	METALS LAB I.D. #	142911		142912		142913		142914		142915		142916		142917					
101 M	ANTIMONY	BDL	17 UG/KG	BDL	11 UG/KG	BDL	11 UG/KG	BDL	11 UG/KG	BDL	11 UG/KG	11	N UG/KG	BDL	11 UG/KG				
102 M	ARSENIC	6850	UG/KG	889	UG/KG	43	UG/KG	62	UG/KG	1.4	F UG/KG	428	UG/KG	456	UG/KG				
103 M	BERYLLIUM	0.63	UG/KG	0.83	UG/KG	0.62	UG/KG	3.7	UG/KG	4.2	UG/KG	0.85	UG/KG	0.86	UG/KG				
104 M	CADMIUM	44	N UG/KG	9.6	N UG/KG	BDL	0.94 UG/KG	1.1	N UG/KG	BDL	0.93 UG/KG	1.7	N UG/KG	1.4	N UG/KG				
105 M	CHROMIUM	22300	UG/KG	2150	UG/KG	67	UG/KG	167	UG/KG	56	UG/KG	508	UG/KG	495	UG/KG				
106 M	COPPER	9790	UG/KG	680	UG/KG	46	UG/KG	62	UG/KG	56	UG/KG	203	UG/KG	179	UG/KG				
107 M	LEAD	83	X UG/KG	83	X UG/KG	60	X UG/KG	17	M F UG/KG	12	M UG/KG	69	X UG/KG	31	X UG/KG				
108 M	MERCURY	1.8	X CV UG/KG	0.48	X CV UG/KG	0.13	X CV UG/KG	0.1	UG/KG	BDL	0.11 UG/KG	4	X CV UG/KG	2	X CV UG/KG				
109 M	NICKEL	55	UG/KG	14	UG/KG	13	UG/KG	35	UG/KG	23	UG/KG	14	UG/KG	16	UG/KG				
110 M	SELENIUM	BDL	0.89 UG/KG	BDL	5.8 UG/KG	BDL	5.9 UG/KG	BDL	5.8 UG/KG	BDL	5.8 UG/KG	BDL	5.6 UG/KG	BDL	5.6 UG/KG				
111 M	SILVER	BDL	2.5 UG/KG	BDL	1.7 UG/KG	BDL	1.6 UG/KG	BDL	1.6 UG/KG	BDL	1.6 UG/KG	BDL	1.6 UG/KG	BDL	1.6 UG/KG				
112 M	THALLIUM	BDL	0.79 UG/KG	0.54	UG/KG	BDL	0.52 UG/KG	0.7	UG/KG	1.1	UG/KG	BDL	0.49 UG/KG	BDL	0.5 UG/KG				
113 M	ZINC	13000	UG/KG	5750	UG/KG	240	UG/KG	246	UG/KG	183	UG/KG	1850	UG/KG	1850	UG/KG				
114 M	BARIUM	39	UG/KG	163	UG/KG	173	UG/KG	823	UG/KG	499	UG/KG	113	UG/KG	115	UG/KG				
115 M	IRON	36900	UG/KG	27200	UG/KG	16900	UG/KG	58700	UG/KG	47700	UG/KG	13000	UG/KG	13500	UG/KG				
116 M	MANGANESE	70	N UG/KG	2700	N UG/KG	371	N UG/KG	1300	N UG/KG	1820	N UG/KG	415	N UG/KG	430	N UG/KG				
117 M	VANADIUM	34	E UG/KG	100	E UG/KG	47	E UG/KG	162	E UG/KG	138	E UG/KG	43	E UG/KG	40	E UG/KG				
118 M	ALUMINUM	958	UG/KG	8880	UG/KG	9970	UG/KG	33800	UG/KG	24000	UG/KG	8430	UG/KG	8790	UG/KG				
120 M	COBALT	BDL	1.4 UG/KG	8.4	UG/KG	11	UG/KG	60	UG/KG	90	UG/KG	8.2	UG/KG	8.7	UG/KG				
121 M	MAGNESIUM	3260	UG/KG	42600	UG/KG	56700	UG/KG	16600	UG/KG	12100	UG/KG	44500	UG/KG	37900	UG/KG				
129 M	CALCIUM	7330	UG/KG	81500	UG/KG	87500	UG/KG	4670	UG/KG	5010	UG/KG	90600	UG/KG	88500	UG/KG				
130 M	SODIUM	10900	UG/KG	5230	UG/KG	1220	UG/KG	1550	UG/KG	1140	UG/KG	2310	UG/KG	2220	UG/KG				
131 M	POTASSIUM	BDL	822 UG/KG	3640	UG/KG	6270	UG/KG	15200	UG/KG	9500	UG/KG	3500	UG/KG	3640	UG/KG				
	V.O.C. LAB I.D. #	142881		142882		142883		142884		142885		142886		142887					
203 V	BENZENE	38	ug/kg	BDL	6.1 ug/kg	BDL	5.7 ug/kg	1.6	J ug/kg	2.3	J ug/kg	BDL	5.8 ug/kg	1.4	J ug/kg				
205 V	BROMOFORM	BDL	9 ug/kg	BDL	6.1 ug/kg	BDL	5.7 ug/kg	BDL	5.9 ug/kg	BDL	5.8 ug/kg	BDL	5.8 ug/kg	BDL	5.8 ug/kg				
206 V	CARBON TETRACHLORIDE	BDL	9 ug/kg	BDL	6.1 ug/kg	BDL	5.7 ug/kg	BDL	5.9 ug/kg	BDL	5.8 ug/kg	BDL	5.8 ug/kg	BDL	5.8 ug/kg				
207 V	CHLOROBENZENE	BDL	9 ug/kg	BDL	6.1 ug/kg	BDL	5.7 ug/kg	BDL	5.9 ug/kg	BDL	5.87 ug/kg	BDL	5.8 ug/kg	BDL	5.8 ug/kg				
208 V	DIBROMOCHLOROMETHANE	BDL	9 ug/kg	BDL	6.1 ug/kg	BDL	5.7 ug/kg	BDL	5.9 ug/kg	BDL	5.8 ug/kg	BDL	5.8 ug/kg	BDL	5.8 ug/kg				
209 V	CHLOROETHANE	BDL	18 ug/kg	BDL	12 ug/kg	BDL	11 ug/kg	BDL	12 ug/kg	BDL	12 ug/kg	BDL	12 ug/kg	BDL	12 ug/kg				
210 V	2-CHLOROETHYLVINYLETHER	BDL	18 ug/kg	BDL	12 ug/kg	BDL	11 ug/kg	BDL	12 ug/kg	BDL	12 ug/kg	BDL	12 ug/kg	BDL	12 ug/kg				
211 V	CHLOROFORM	BDL	9 ug/kg	2.4	J ug/kg	BDL	5.7 ug/kg	BDL	5.9 ug/kg	BDL	5.8 ug/kg	BDL	5.8 ug/kg	1.6	J ug/kg				
212 V	BROMODICHLOROMETHANE	BDL	9 ug/kg	BDL	6.1 ug/kg	BDL	5.7 ug/kg	BDL	5.9 ug/kg	BDL	5.8 ug/kg	BDL	5.8 ug/kg	BDL	5.8 ug/kg				
214 V	1,1-DICHLOROETHANE	BDL	9 ug/kg	BDL	6.1 ug/kg	BDL	5.7 ug/kg	BDL	5.9 ug/kg	BDL	5.8 ug/kg	BDL	5.8 ug/kg	BDL	5.8 ug/kg				
215 V	1,2-DICHLOROETHANE	BDL	9 ug/kg	BDL	6.1 ug/kg	BDL	5.7 ug/kg	BDL	5.9 ug/kg	BDL	5.8 ug/kg	BDL	5.8 ug/kg	BDL	5.8 ug/kg				
216 V	1,1-DICHLOROETHENE	BDL	9 ug/kg	BDL	6.1 ug/kg	BDL	5.7 ug/kg	BDL	5.9 ug/kg	BDL	5.8 ug/kg	BDL	5.8 ug/kg	BDL	5.8 ug/kg				
217 V	1,2-DICHLOROPROPANE	BDL	9 ug/kg	BDL	6.1 ug/kg	BDL	5.7 ug/kg	BDL	5.9 ug/kg	BDL	5.8 ug/kg	BDL	5.8 ug/kg	BDL	5.8 ug/kg				
218 V	CIS-1,3-DICHLOROPROPENE	BDL	9 ug/kg	BDL	6.1 ug/kg	BDL	5.7 ug/kg	BDL	5.9 ug/kg	BDL	5.8 ug/kg	BDL	5.8 ug/kg	BDL	5.8 ug/kg				
219 V	ETHYLBENZENE	490	D ug/kg	BDL	6.1 ug/kg	BDL	5.7 ug/kg	7.9	ug/kg	3.8	J ug/kg	BDL	5.8 ug/kg	BDL	5.8 ug/kg				
220 V	BROMOMETHANE	4.9	J ug/kg	BDL	12 ug/kg	BDL	11 ug/kg	BDL	12 ug/kg	BDL	12 ug/kg	BDL	12 ug/kg	BDL	12 ug/kg				
221 V	CHLOROMETHANE	15	J ug/kg	BDL	12 ug/kg	BDL	11 ug/kg	BDL	12 ug/kg	BDL	12 ug/kg	BDL	12 ug/kg	BDL	12 ug/kg				

AR305502

	SITE	86021		86021		86021		86021		86021		86021		86021	
	POINT	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	SAMPLE	S-5 1'		S-6 1'		S-7 1'		S-7 2'		S-7 3'		S-8 17'		S-8 2'	
	DATE	07/23/87		07/23/87		07/23/87		07/23/87		07/23/87		07/23/87		07/23/87	
	DEPTH	1'		1'		1'		2'		3'		17'		2'	
	MATRIX	SO		SO		SO		SO		SO		SO		SO	
CMPD CL	CMPD-DESC														
222 V	METHYLENE CHLORIDE	28	B ug/kg	15	B ug/kg	17	B ug/kg	16	ug/kg	18	B ug/kg	22	B ug/kg	12	B ug/kg
223 V	1,1,2,2-TETRACHLOROETHANE	BDL	9 ug/kg	BDL	6.1 ug/kg	BDL	5.7 ug/kg	BDL	5.9 ug/kg	BDL	5.8 ug/kg	BDL	5.8 ug/kg	BDL	5.8 ug/kg
224 V	TETRACHLOROETHENE	7.8	J ug/kg	BDL	6.1 ug/kg	BDL	5.7 ug/kg	BDL	5.9 ug/kg	BDL	5.8 ug/kg	BDL	5.8 ug/kg	BDL	5.8 ug/kg
225 V	TOLUENE	390	D ug/kg	BDL	6.1 ug/kg	BDL	5.7 ug/kg	10	ug/kg	6.1	ug/kg	BDL	5.8 ug/kg	BDL	5.8 ug/kg
226 V	TRANS-1,2-DICHLOROETHENE	BDL	9 ug/kg	BDL	6.1 ug/kg	BDL	5.7 ug/kg	BDL	5.9 ug/kg	BDL	5.8 ug/kg	BDL	5.8 ug/kg	BDL	5.8 ug/kg
227 V	1,1,1-TRICHLOROETHANE	BDL	9 ug/kg	BDL	6.1 ug/kg	BDL	5.7 ug/kg	BDL	5.9 ug/kg	BDL	5.8 ug/kg	BDL	5.8 ug/kg	BDL	5.8 ug/kg
228 V	1,1,2-TRICHLOROETHANE	BDL	9 ug/kg	BDL	6.1 ug/kg	BDL	5.7 ug/kg	BDL	5.9 ug/kg	BDL	5.8 ug/kg	BDL	5.8 ug/kg	BDL	5.8 ug/kg
229 V	TRICHLOROETHENE	BDL	9 ug/kg	BDL	6.1 ug/kg	BDL	5.7 ug/kg	3.2	J ug/kg	3.7	J ug/kg	BDL	5.8 ug/kg	BDL	5.8 ug/kg
231 V	VINYL CHLORIDE	BDL	18 ug/kg	BDL	12 ug/kg	BDL	11 ug/kg	BDL	12 ug/kg	BDL	12 ug/kg	BDL	12 ug/kg	BDL	12 ug/kg
250 V	TRANS-1,3-DICHLOROPROPENE	BDL	9 ug/kg	BDL	6.1 ug/kg	BDL	5.7 ug/kg	BDL	5.9 ug/kg	BDL	5.8 ug/kg	BDL	5.8 ug/kg	BDL	5.8 ug/kg
251 V	STYRENE	BDL	9 ug/kg	BDL	6.1 ug/kg	BDL	5.7 ug/kg	BDL	5.9 ug/kg	BDL	5.8 ug/kg	BDL	5.8 ug/kg	BDL	5.8 ug/kg
252 V	ACETONE	170	B ug/kg	14	B ug/kg	BDL	11 ug/kg	12	J ug/kg	29	B ug/kg	14	B ug/kg	8	J B ug/kg
253 V	2-BUTANONE	110	ug/kg	BDL	12 ug/kg	BDL	11 ug/kg	BDL	12 ug/kg	BDL	12 ug/kg	BDL	12 ug/kg	BDL	12 ug/kg
254 V	CARBON DISULFIDE	BDL	9 ug/kg	BDL	6.1 ug/kg	BDL	5.7 ug/kg	BDL	5.9 ug/kg	BDL	5.8 ug/kg	BDL	5.8 ug/kg	BDL	5.8 ug/kg
255 V	2-HEXANONE	BDL	18 ug/kg	BDL	12 ug/kg	BDL	11 ug/kg	BDL	12 ug/kg	BDL	12 ug/kg	BDL	12 ug/kg	BDL	12 ug/kg
256 V	4-METHYL-2-PENTANONE	39	ug/kg	BDL	12 ug/kg	BDL	11 ug/kg	BDL	12 ug/kg	BDL	12 ug/kg	BDL	12 ug/kg	BDL	12 ug/kg
257 V	VINYL ACETATE	BDL	18 ug/kg	BDL	12 ug/kg	BDL	11 ug/kg	BDL	12 ug/kg	BDL	12 ug/kg	BDL	12 ug/kg	BDL	12 ug/kg
289 V	XYLENES (TOTAL)	2800	D ug/kg	BDL	6.1 ug/kg	BDL	5.7 ug/kg	8.3	ug/kg	16	ug/kg	BDL	5.8 ug/kg	5.1	J ug/kg
	ACID EXTRACT/ BASE NEUT. LAB ID #	142881		142882		142883		142884		142885		142886		142887	
	==========	======		======		======		======		======		======		======	
401 B	ACENAPHTHENE	73000	ug/kg	BDL	24000 ug/kg	BDL	380 ug/kg	2400	ug/kg	BDL	390 ug/kg	BDL	790 ug/kg	6100	ug/kg
402 B	ACENAPHTHYLENE	BDL	36000 ug/kg	BDL	24000 ug/kg	BDL	380 ug/kg	BDL	1900 ug/kg	BDL	390 ug/kg	BDL	790 ug/kg	BDL	790 ug/kg
403 B	ANTHRACENE	17000	J ug/kg	BDL	24000 ug/kg	94	J ug/kg	BDL	1900 ug/kg	BDL	390 ug/kg	BDL	790 ug/kg	3200	ug/kg
405 B	BENZO(A)ANTHRACENE	8700	J ug/kg	3200	J ug/kg	140	J ug/kg	250	J ug/kg	90	J ug/kg	8200	ug/kg	8700	ug/kg
406 B	BENZO(A)PYRENE	BDL	36000 ug/kg	BDL	24000 ug/kg	190	J ug/kg	BDL	1900 ug/kg	BDL	390 ug/kg	5000	ug/kg	6200	ug/kg
407 B	BENZO(B)FLUORANTHENE	7200	J ug/kg	4900	ug/kg	540	ug/kg	430	J ug/kg	BDL	390 ug/kg	19000	D ug/kg	10000	ug/kg
408 B	BENZO(G,H,I)PERYLENE	BDL	36000 ug/kg	BDL	24000 ug/kg	45	J ug/kg	BDL	1900 ug/kg	BDL	390 ug/kg	2300	ug/kg	2100	ug/kg
409 B	BENZO(K)FLUORANTHENE	7200	J ug/kg	4900	ug/kg	540	ug/kg	660	J ug/kg	BDL	390 ug/kg	19000	D ug/kg	10000	ug/kg
410 B	BIS(-2-CHLOROETHOXY)METHANE	BDL	36000 ug/kg	BDL	24000 ug/kg	BDL	380 ug/kg	BDL	1900 ug/kg	BDL	390 ug/kg	BDL	790 ug/kg	BDL	790 ug/kg
411 B	BIS(-2-CHLOROETHYL)ETHER	BDL	36000 ug/kg	BDL	24000 ug/kg	BDL	380 ug/kg	BDL	1900 ug/kg	BDL	390 ug/kg	BDL	790 ug/kg	BDL	790 ug/kg
412 B	BIS(2-CHLOROISOPROPYL)ETHER	BDL	36000 ug/kg	BDL	24000 ug/kg	BDL	380 ug/kg	BDL	1900 ug/kg	BDL	390 ug/kg	BDL	790 ug/kg	BDL	790 ug/kg
413 B	BIS(2-ETHYLHEXYL)PHTHALATE	34000	J ug/kg	2700	J ug/kg	1600	ug/kg	660	J ug/kg	BDL	390 ug/kg	7200	ug/kg	5600	ug/kg
414 B	4-BROMOPHENYL-PHENYLETHER	BDL	36000 ug/kg	BDL	24000 ug/kg	BDL	380 ug/kg	BDL	1900 ug/kg	BDL	390 ug/kg	BDL	790 ug/kg	BDL	790 ug/kg
415 B	BUTYLBENZYLPHTHALATE	15000	J ug/kg	BDL	24000 ug/kg	BDL	380 ug/kg	BDL	1900 ug/kg	BDL	390 ug/kg	730	J ug/kg	BDL	790 ug/kg
416 B	2-CHLORONAPHTHALENE	BDL	36000 ug/kg	BDL	24000 ug/kg	BDL	380 ug/kg	BDL	1900 ug/kg	BDL	390 ug/kg	BDL	790 ug/kg	BDL	790 ug/kg
417 B	4-CHLOROPHENYL-PHENYLETHER	BDL	36000 ug/kg	BDL	24000 ug/kg	BDL	380 ug/kg	BDL	1900 ug/kg	BDL	390 ug/kg	BDL	790 ug/kg	BDL	790 ug/kg
418 B	CHRYSENE	14000	36000 ug/kg	4600	J ug/kg	230	J ug/kg	410	J ug/kg	130	J ug/kg	8900	ug/kg	9800	ug/kg
419 B	DIBENZ(A,H)ANTHRACENE	BDL	36000 ug/kg	BDL	24000 ug/kg	BDL	380 ug/kg	BDL	1900 ug/kg	BDL	390 ug/kg	1200	ug/kg	1100	ug/kg
420 B	1,2-DICHLOROBENZENE	BDL	36000 ug/kg	BDL	24000 ug/kg	BDL	380 ug/kg	BDL	1900 ug/kg	BDL	390 ug/kg	BDL	790 ug/kg	BDL	790 ug/kg
421 B	1,3-DICHLOROBENZENE	BDL	36000 ug/kg	BDL	24000 ug/kg	BDL	380 ug/kg	BDL	1900 ug/kg	BDL	390 ug/kg	BDL	790 ug/kg	BDL	790 ug/kg
422 B	1,4-DICHLOROBENZENE	BDL	36000 ug/kg	BDL	24000 ug/kg	BDL	380 ug/kg	BDL	1900 ug/kg	BDL	390 ug/kg	BDL	790 ug/kg	BDL	790 ug/kg
423 B	3,3'-DICHLOROBENZIDINE	BDL	72000 ug/kg	BDL	49000 ug/kg	BDL	750 ug/kg	BDL	3900 ug/kg	BDL	790 ug/kg	BDL	1600 ug/kg	BDL	1600 ug/kg
424 B	DIETHYLPHTHALATE	BDL	36000 ug/kg	BDL	24000 ug/kg	BDL	380 ug/kg	BDL	1900 ug/kg	BDL	390 ug/kg	BDL	790 ug/kg	BDL	790 ug/kg
425 B	DIMETHYL PHTHALATE	BDL	36000 ug/kg	BDL	24000 ug/kg	BDL	380 ug/kg	BDL	1900 ug/kg	BDL	390 ug/kg	BDL	790 ug/kg	BDL	790 ug/kg

		SITE	84021	84021	84021	84021	84021	84021	84021
		POINT	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
		SAMPLE	S-5 1'	S-6 1'	S-7 1'	S-7 2'	S-7 3'	S-8 17'	S-8 2'
		DATE	07/23/87	07/23/87	07/23/87	07/23/87	07/23/87	07/23/87	07/23/87
		DEPTH	1'	1'	1'	2'	3'	17'	2'
		MATRIX	SO	SO	SO	SO	SO	SO	SO
CMPD	CL	CMPD-DESC							
426	B	DI-N-BUTYLPHTHALATE	BDL 36000 ug/kg	BDL 24000 ug/kg	570 ug/kg	BDL 1900 ug/kg	BDL 390 ug/kg	BDL 790 ug/kg	BDL 790 ug/kg
427	B	2,4-DINITROTOLUENE	BDL 36000 ug/kg	BDL 24000 ug/kg	BDL 380 ug/kg	BDL 1900 ug/kg	BDL 390 ug/kg	BDL 790 ug/kg	BDL 790 ug/kg
428	B	2,6-DINITROTOLUENE	BDL 36000 ug/kg	BDL 24000 ug/kg	BDL 380 ug/kg	BDL 1900 ug/kg	BDL 390 ug/kg	BDL 790 ug/kg	BDL 790 ug/kg
429	B	DI-N-OCTYL PHTHALATE	BDL 36000 ug/kg	BDL 24000 ug/kg	86 J ug/kg	BDL 1900 ug/kg	BDL 390 ug/kg	BDL 790 ug/kg	BDL 790 ug/kg
431	B	FLUORANTHENE	30000 J ug/kg	7600 J ug/kg	160 J ug/kg	660 J ug/kg	220 J ug/kg	30000 D ug/kg	37000 D ug/kg
432	B	FLUORENE	120000 ug/kg	BDL 24000 ug/kg	90 J ug/kg	BDL 1900 ug/kg	720 ug/kg	BDL 790 ug/kg	9000 ug/kg
433	B	HEXACHLOROBENZENE	BDL 36000 ug/kg	BDL 24000 ug/kg	BDL 380 ug/kg	BDL 1900 ug/kg	BDL 390 ug/kg	BDL 790 ug/kg	BDL 790 ug/kg
434	B	HEXACHLOROBUTADIENE	BDL 36000 ug/kg	BDL 24000 ug/kg	BDL 380 ug/kg	BDL 1900 ug/kg	BDL 390 ug/kg	BDL 790 ug/kg	BDL 790 ug/kg
435	B	HEXACHLOROCYCLOPENTADIENE	BDL 36000 ug/kg	BDL 24000 ug/kg	BDL 380 ug/kg	BDL 1900 ug/kg	BDL 390 ug/kg	BDL 790 ug/kg	BDL 790 ug/kg
436	B	HEXACHLOROETHANE	BDL 36000 ug/kg	BDL 24000 ug/kg	BDL 380 ug/kg	BDL 1900 ug/kg	BDL 390 ug/kg	BDL 790 ug/kg	BDL 790 ug/kg
437	B	INDENO(1,2,3-CD)PYRENE	BDL 36000 ug/kg	BDL 24000 ug/kg	75 J ug/kg	BDL 1900 ug/kg	BDL 390 ug/kg	2500 ug/kg	2300 ug/kg
438	B	ISOPHORONE	BDL 36000 ug/kg	BDL 24000 ug/kg	BDL 380 ug/kg	BDL 1900 ug/kg	BDL 390 ug/kg	BDL 790 ug/kg	BDL 790 ug/kg
439	B	NAPHTHALENE	340000 ug/kg	BDL 24000 ug/kg	450 ug/kg	51000 D ug/kg	18000 J D ug/kg	1400 ug/kg	7300 ug/kg
440	B	NITROBENZENE	BDL 36000 ug/kg	BDL 24000 ug/kg	BDL 380 ug/kg	BDL 1900 ug/kg	BDL 390 ug/kg	BDL 790 ug/kg	BDL 790 ug/kg
442	B	N-NITROSO-DI-N-PROPYLAMINE	BDL 36000 ug/kg	BDL 24000 ug/kg	BDL 380 ug/kg	BDL 1900 ug/kg	BDL 390 ug/kg	BDL 790 ug/kg	BDL 790 ug/kg
443	B	N-NITROSODIPHENYLAMINE(1)	BDL 36000 ug/kg	BDL 24000 ug/kg	BDL 380 ug/kg	BDL 1900 ug/kg	BDL 390 ug/kg	BDL 790 ug/kg	BDL 790 ug/kg
444	B	PHENANTHRENE	250000 ug/kg	13000 J ug/kg	150 J ug/kg	2200 ug/kg	550 ug/kg	21000 D ug/kg	36000 D ug/kg
445	B	PYRENE	58000 ug/kg	13000 J ug/kg	290 J ug/kg	1200 J ug/kg	300 J ug/kg	35000 D ug/kg	30000 D ug/kg
446	B	1,2,4-TRICHLOROBENZENE	BDL 36000 ug/kg	BDL 24000 ug/kg	BDL 380 ug/kg	BDL 1900 ug/kg	BDL 390 ug/kg	BDL 790 ug/kg	BDL 790 ug/kg
456	B	1,2,3,4-TETRACHLOROBENZENE	BDL 36000 ug/kg	BDL 24000 ug/kg	NA	NA	NA	NA	NA
474	B	BENZYL ALCOHOL	BDL 36000 ug/kg	BDL 24000 ug/kg	BDL 380 ug/kg	BDL 1900 ug/kg	BDL 390 ug/kg	BDL 790 ug/kg	BDL 790 ug/kg
475	B	4-CHLOROANILINE	BDL 36000 ug/kg	BDL 24000 ug/kg	BDL 380 ug/kg	BDL 1900 ug/kg	BDL 390 ug/kg	BDL 790 ug/kg	BDL 790 ug/kg
476	B	DIBENZOFURAN	71000 ug/kg	BDL 24000 ug/kg	BDL 380 ug/kg	970 J ug/kg	BDL 390 ug/kg	BDL 790 ug/kg	BDL 790 ug/kg
477	B	2-METHYLNAPHTHALENE	650000 J ug/kg	BDL 24000 ug/kg	800 ug/kg	98000 D ug/kg	38000 D ug/kg	3800 ug/kg	7800 ug/kg
478	B	2-NITROANILINE	BDL 180000 ug/kg	BDL 120000 ug/kg	BDL 1900 ug/kg	BDL 9700 ug/kg	BDL 2000 ug/kg	BDL 4000 ug/kg	BDL 4000 ug/kg
479	B	3-NITROANILINE	BDL 180000 ug/kg	BDL 120000 ug/kg	BDL 1900 ug/kg	BDL 9700 ug/kg	BDL 2000 ug/kg	BDL 4000 ug/kg	BDL 4000 ug/kg
480	B	4-NITROANILINE	BDL 180000 ug/kg	BDL 120000 ug/kg	BDL 1900 ug/kg	BDL 9700 ug/kg	BDL 2000 ug/kg	BDL 4000 ug/kg	BDL 4000 ug/kg
601	A	2-CHLOROPHENOL	BDL 36000 ug/kg	BDL 24000 ug/kg	BDL 380 ug/kg	BDL 1900 ug/kg	BDL 390 ug/kg	BDL 790 ug/kg	BDL 790 ug/kg
602	A	2,4-DICHLOROPHENOL	BDL 36000 ug/kg	BDL 24000 ug/kg	BDL 380 ug/kg	430 J ug/kg	BDL 390 ug/kg	BDL 790 ug/kg	BDL 790 ug/kg
603	A	2,4-DIMETHYLPHENOL	BDL 36000 ug/kg	BDL 24000 ug/kg	BDL 380 ug/kg	BDL 1900 ug/kg	BDL 390 ug/kg	BDL 790 ug/kg	BDL 790 ug/kg
604	A	4,6-DINITRO-2-METHYLPHENOL	BDL 180000 ug/kg	BDL 120000 ug/kg	BDL 1900 ug/kg	BDL 9700 ug/kg	BDL 2000 ug/kg	BDL 4000 ug/kg	BDL 4000 ug/kg
605	A	2,4-DINITROPHENOL	BDL 180000 ug/kg	BDL 120000 ug/kg	BDL 1900 ug/kg	BDL 9700 ug/kg	BDL 2000 ug/kg	BDL 4000 ug/kg	BDL 4000 ug/kg
606	A	2-NITROPHENOL	BDL 36000 ug/kg	BDL 24000 ug/kg	BDL 380 ug/kg	BDL 1900 ug/kg	BDL 390 ug/kg	BDL 790 ug/kg	BDL 790 ug/kg
607	A	4-NITROPHENOL	BDL 180000 ug/kg	BDL 120000 ug/kg	BDL 1900 ug/kg	BDL 9700 ug/kg	BDL 2000 ug/kg	BDL 4000 ug/kg	BDL 4000 ug/kg
608	A	4-CHLORO-3-METHYLPHENOL	BDL 36000 ug/kg	BDL 24000 ug/kg	BDL 380 ug/kg	BDL 1900 ug/kg	BDL 390 ug/kg	BDL 790 ug/kg	BDL 790 ug/kg
609	A	PENTACHLOROPHENOL	4500000 D ug/kg	7300 J ug/kg	2500 ug/kg	32000 D ug/kg	140000 D ug/kg	180000 D ug/kg	250000 D ug/kg
610	A	PHENOL	BDL 36000 ug/kg	BDL 24000 ug/kg	BDL 380 ug/kg	BDL 1900 ug/kg	BDL 390 ug/kg	BDL 790 ug/kg	BDL 790 ug/kg
611	A	2,4,6-TRICHLOROPHENOL	BDL 36000 ug/kg	BDL 24000 ug/kg	BDL 380 ug/kg	BDL 1900 ug/kg	BDL 390 ug/kg	BDL 790 ug/kg	BDL 790 ug/kg
620	A	2-METHYLPHENOL	BDL 36000 ug/kg	BDL 24000 ug/kg	BDL 380 ug/kg	BDL 1900 ug/kg	BDL 390 ug/kg	BDL 790 ug/kg	BDL 790 ug/kg
622	A	4-METHYLPHENOL	BDL 36000 ug/kg	BDL 24000 ug/kg	BDL 380 ug/kg	BDL 1900 ug/kg	BDL 390 ug/kg	BDL 790 ug/kg	BDL 790 ug/kg
625	A	BENZOIC ACID	BDL 180000 ug/kg	BDL 120000 ug/kg	BDL 1900 ug/kg	BDL 9700 ug/kg	BDL 2000 ug/kg	BDL 4000 ug/kg	BDL 4000 ug/kg
626	A	2,4,5-TRICHLOROPHENOL	BDL 180000 ug/kg	BDL 120000 ug/kg	BDL 1900 ug/kg	BDL 9700 ug/kg	BDL 2000 ug/kg	BDL 4000 ug/kg	BDL 4000 ug/kg
		PESTICIDE/ PCB'S LAB I.D. #	142881	142882	142883	142884	142885	142886	142887

	SITE	86021		86021		86021		86021		86021		86021		86021	
	POINT	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	SAMPLE	S-5 1'		S-6 1'		S-7 1'		S-7 2'		S-7 3'		S-8 17'		S-8 2'	
	DATE	07/23/87		07/23/87		07/23/87		07/23/87		07/23/87		07/23/87		07/23/87	
	DEPTH	1'		1'		1'		2'		3'		17'		2'	
	MATRIX	SO		SO		SO		SO		SO		SO		SO	
CMPD CL	CMPD-DESC														
701 P	ALDRIN	BDL	870 ug/kg	BDL	150 ug/kg	BDL	35 ug/kg	BDL	36 ug/kg	BDL	18 ug/kg	BDL	94 ug/kg	BDL	94 ug/kg
702 P	ALPHA-BHC	BDL	870 ug/kg	BDL	150 ug/kg	BDL	35 ug/kg	BDL	36 ug/kg	BDL	18 ug/kg	BDL	94 ug/kg	BDL	94 ug/kg
703 P	BETA-BHC	BDL	870 ug/kg	BDL	150 ug/kg	BDL	35 ug/kg	BDL	36 ug/kg	BDL	18 ug/kg	BDL	94 ug/kg	BDL	94 ug/kg
704 P	GAMMA-BHC	BDL	870 ug/kg	BDL	150 ug/kg	BDL	35 ug/kg	BDL	36 ug/kg	BDL	18 ug/kg	BDL	94 ug/kg	BDL	94 ug/kg
705 P	DELTA-BHC	BDL	870 ug/kg	BDL	150 ug/kg	BDL	35 ug/kg	BDL	36 ug/kg	BDL	18 ug/kg	BDL	94 ug/kg	BDL	94 ug/kg
706 P	CHLORDANE	BDL	8700 ug/kg	BDL	1500 ug/kg	BDL	350 ug/kg	BDL	360 ug/kg	BDL	180 ug/kg	1000	ug/kg	1200	ug/kg
707 P	4,4'-DDT	BDL	1700 ug/kg	BDL	290 ug/kg	BDL	71 ug/kg	BDL	73 ug/kg	BDL	37 ug/kg	BDL	190 ug/kg	BDL	190 ug/kg
708 P	4,4'-DDE	BDL	1700 ug/kg	BDL	290 ug/kg	BDL	71 ug/kg	BDL	73 ug/kg	BDL	37 ug/kg	BDL	190 ug/kg	BDL	190 ug/kg
709 P	4,4'-DDD	BDL	1700 ug/kg	BDL	290 ug/kg	BDL	71 ug/kg	BDL	73 ug/kg	BDL	37 ug/kg	BDL	190 ug/kg	BDL	190 ug/kg
710 P	DIELDRIN	BDL	1700 ug/kg	BDL	290 ug/kg	BDL	71 ug/kg	BDL	73 ug/kg	BDL	37 ug/kg	BDL	190 ug/kg	BDL	190 ug/kg
711 P	ALPHA-ENDOSULFAN	BDL	870 ug/kg	BDL	150 ug/kg	BDL	35 ug/kg	BDL	36 ug/kg	BDL	18 ug/kg	BDL	94 ug/kg	BDL	94 ug/kg
712 P	BETA-ENDOSULFAN	BDL	1700 ug/kg	BDL	290 ug/kg	BDL	71 ug/kg	BDL	73 ug/kg	BDL	180 ug/kg	BDL	190 ug/kg	BDL	190 ug/kg
713 P	ENDOSULFAN SULFATE	BDL	1700 ug/kg	BDL	290 ug/kg	BDL	71 ug/kg	BDL	73 ug/kg	BDL	180 ug/kg	BDL	190 ug/kg	BDL	190 ug/kg
714 P	ENDRIN	BDL	1700 ug/kg	BDL	290 ug/kg	BDL	71 ug/kg	BDL	73 ug/kg	BDL	180 ug/kg	BDL	190 ug/kg	BDL	190 ug/kg
715 P	ENDRIN ALDEHYDE	BDL	17000 ug/kg	BDL	2900 ug/kg	NA		NA		NA		NA		NA	
716 P	HEPTACHLOR	BDL	870 ug/kg	BDL	290 ug/kg	BDL	35 ug/kg	BDL	36 ug/kg	BDL	18 ug/kg	BDL	94 ug/kg	BDL	94 ug/kg
717 P	HEPTACHLOR EPOXIDE	BDL	870 ug/kg	BDL	290 ug/kg	BDL	35 ug/kg	BDL	36 ug/kg	BDL	18 ug/kg	BDL	94 ug/kg	BDL	94 ug/kg
718 P	PCB-1242	BDL	8700 ug/kg	BDL	1500 ug/kg	BDL	350 ug/kg	BDL	360 ug/kg	BDL	180 ug/kg	BDL	940 ug/kg	BDL	940 ug/kg
719 P	PCB-1254	BDL	17000 ug/kg	BDL	2900 ug/kg	BDL	710 ug/kg	BDL	730 ug/kg	BDL	370 ug/kg	BDL	1900 ug/kg	BDL	1900 ug/kg
720 P	PCB-1221	BDL	8700 ug/kg	BDL	1500 ug/kg	BDL	350 ug/kg	BDL	360 ug/kg	BDL	180 ug/kg	BDL	940 ug/kg	BDL	940 ug/kg
721 P	PCB-1232	BDL	8700 ug/kg	BDL	1500 ug/kg	BDL	350 ug/kg	BDL	360 ug/kg	BDL	180 ug/kg	BDL	940 ug/kg	BDL	940 ug/kg
722 P	PCB-1248	BDL	8700 ug/kg	BDL	1500 ug/kg	BDL	350 ug/kg	BDL	360 ug/kg	BDL	180 ug/kg	BDL	940 ug/kg	BDL	940 ug/kg
723 P	PCB-1260	BDL	17000 ug/kg	BDL	2900 ug/kg	BDL	710 ug/kg	BDL	730 ug/kg	BDL	370 ug/kg	BDL	1900 ug/kg	BDL	1900 ug/kg
724 P	PCB-1016	BDL	8700 ug/kg	BDL	1500 ug/kg	BDL	350 ug/kg	BDL	360 ug/kg	BDL	180 ug/kg	BDL	940 ug/kg	BDL	940 ug/kg
725 P	TOXAPHENE	BDL	17000 ug/kg	BDL	2900 ug/kg	BDL	710 ug/kg	BDL	730 ug/kg	BDL	370 ug/kg	BDL	1900 ug/kg	BDL	1900 ug/kg
726 P	P,P'-METHOXYCHLOR	BDL	8700 ug/kg	BDL	1500 ug/kg	BDL	350 ug/kg	BDL	360 ug/kg	BDL	180 ug/kg	BDL	940 ug/kg	BDL	940 ug/kg
739 P	ENDRIN KETONE	BDL	17000 ug/kg	BDL	290 ug/kg	BDL	71 ug/kg	BDL	73 ug/kg	BDL	37 ug/kg	BDL	190 ug/kg	BDL	190 ug/kg
	OIL & GREASE LAB ID #	142944		142946		142947		142948		142949		142951		142952	
	==========	======		======		======		======		======		======		======	
1033 C	OIL AND GREASE	560000	mg/kg	3700	mg/kg	11000	mg/kg	3800	mg/kg	980	mg/kg	20000	mg/kg	8900	mg/kg
		142911		142912		142913		142914		142915		142916		142917	
		======		======		======		======		======		======		======	
1080 C	PERCENT SOLIDS	55		84		85		86		85		87		86	
		142911		142912		142913		142914		142915		142916		142917	
		======		======		======		======		======		======		======	
1001 C	CYANIDE	BDL	0.9 MG/KG	BDL	0.59 MG/KG	BDL	0.59 MG/KG	BDL	0.58 MG/KG	BDL	0.59 MG/KG	BDL	0.57 MG/KG	BDL	0.58 MG/KG
		142881		142882		142883		142884		142885		142886		142887	
		======		======		======		======		======		======		======	
1047 C	PH	6.95	pH	7.21	pH	7.23	pH	7.34	pH	7.22	pH	7.09	pH	7.04	pH

AR300505

		SITE	84021
		POINT	SOIL
		SAMPLE	S-8 2'DUP
		DATE	07/23/87
		DEPTH	2'
		MATRIX	SO
CMPD CL	CMPD-DESC		
		METALS LAB I.D. #	142918
		==========	======
101 M	ANTIMONY	12	N UG/KG
102 M	ARSENIC	326	UG/KG
103 M	BERYLLIUM	1.4	UG/KG
104 M	CADMIUM	2.5	N UG/KG
105 M	CHROMIUM	401	UG/KG
106 M	COPPER	164	UG/KG
107 M	LEAD	34	X UG/KG
108 M	MERCURY	2.3	X CV UG/KG
109 M	NICKEL	16	UG/KG
110 M	SELENIUM	BDL	5.9 UG/KG
111 M	SILVER	BDL	1.6 UG/KG
112 M	THALLIUM	BDL	0.52 UG/KG
113 M	ZINC	1690	UG/KG
114 M	BARIUM	146	UG/KG
115 M	IRON	13400	UG/KG
116 M	MANGANESE	774	N UG/KG
117 M	VANADIUM	44	E UG/KG
118 M	ALUMINUM	13500	UG/KG
120 M	COBALT	9.8	UG/KG
121 M	MAGNESIUM	32900	UG/KG
129 M	CALCIUM	87800	UG/KG
130 M	SODIUM	2850	UG/KG
131 M	POTASSIUM	5300	UG/KG
		V.O.C. LAB I.D. #	142888
		==========	======
203 V	BENZENE	BDL	5.8 ug/kg
205 V	BROMOFORM	BDL	5.8 ug/kg
206 V	CARBON TETRACHLORIDE	BDL	5.8 ug/kg
207 V	CHLOROBENZENE	BDL	5.8 ug/kg
208 V	DIBROMOCHLOROMETHANE	BDL	5.8 ug/kg
209 V	CHLOROETHANE	BDL	12 ug/kg
210 V	2-CHLOROETHYLVINYLETHER	BDL	12 ug/kg
211 V	CHLOROFORM	2.7	J ug/kg
212 V	BROMODICHLOROMETHANE	BDL	5.8 ug/kg
214 V	1,1-DICHLOROETHANE	BDL	5.8 ug/kg
215 V	1,2-DICHLOROETHANE	BDL	5.8 ug/kg
216 V	1,1-DICHLOROETHENE	BDL	5.8 ug/kg
217 V	1,2-DICHLOROPROPANE	BDL	5.8 ug/kg
218 V	CIS-1,3-DICHLOROPROPENE	BDL	5.8 ug/kg
219 V	ETHYLBENZENE	BDL	5.8 ug/kg
220 V	BROMOMETHANE	BDL	12 ug/kg
221 V	CHLOROMETHANE	BDL	12 ug/kg

AR300506

		SITE	86021	
		POINT	SOIL	
		SAMPLE	S-8 2'DUP	
		DATE	07/23/87	
		DEPTH	2'	
		MATRIX	SO	
CMPD	CL	CMPD-DESC		
222	V	METHYLENE CHLORIDE	9.4	B ug/kg
223	V	1,1,2,2-TETRACHLOROETHANE	BDL	5.8 ug/kg
224	V	TETRACHLOROETHENE	BDL	5.8 ug/kg
225	V	TOLUENE	BDL	5.8 ug/kg
226	V	TRANS-1,2-DICHLOROETHENE	BDL	5.8 ug/kg
227	V	1,1,1-TRICHLOROETHANE	BDL	5.8 ug/kg
228	V	1,1,2-TRICHLOROETHANE	BDL	5.8 ug/kg
229	V	TRICHLOROETHENE	BDL	5.8 ug/kg
231	V	VINYL CHLORIDE	BDL	12 ug/kg
250	V	TRANS-1,3-DICHLOROPROPENE	BDL	5.8 ug/kg
251	V	STYRENE	BDL	5.8 ug/kg
252	V	ACETONE	11	B ug/kg
253	V	2-BUTANONE	BDL	12 ug/kg
254	V	CARBON DISULFIDE	BDL	5.8 ug/kg
255	V	2-HEXANONE	BDL	12 ug/kg
256	V	4-METHYL-2-PENTANONE	BDL	12 ug/kg
257	V	VINYL ACETATE	BDL	12 ug/kg
289	V	XYLENES (TOTAL)	5.1	J ug/kg
		ACID EXTRACT/ BASE NEUT. LAB ID #	142888	
		==========	======	
401	B	ACENAPHTHENE	5500	ug/kg
402	B	ACENAPHTHYLENE	BDL	790 ug/kg
403	B	ANTHRACENE	2200	ug/kg
405	B	BENZO(A)ANTHRACENE	10000	ug/kg
406	B	BENZO(A)PYRENE	7200	ug/kg
407	B	BENZO(B)FLUORANTHENE	12000	ug/kg
408	B	BENZO(G,H,I)PERYLENE	2400	ug/kg
409	B	BENZO(K)FLUORANTHENE	12000	ug/kg
410	B	BIS(-2-CHLOROETHOXY)METHANE	BDL	790 ug/kg
411	B	BIS(-2-CHLOROETHYL)ETHER	BDL	790 ug/kg
412	B	BIS(2-CHLOROISOPROPYL)ETHER	BDL	790 ug/kg
413	B	BIS(2-ETHYLHEXYL)PHTHALATE	7000	ug/kg
414	B	4-BROMOPHENYL-PHENYLETHER	BDL	790 ug/kg
415	B	BUTYLBENZYLPHTHALATE	850	ug/kg
416	B	2-CHLORONAPHTHALENE	BDL	790 ug/kg
417	B	4-CHLOROPHENYL-PHENYLETHER	BDL	790 ug/kg
418	B	CHRYSENE	11000	ug/kg
419	B	DIBENZ(A,H)ANTHRACENE	1400	ug/kg
420	B	1,2-DICHLOROBENZENE	BDL	790 ug/kg
421	B	1,3-DICHLOROBENZENE	BDL	790 ug/kg
422	B	1,4-DICHLOROBENZENE	BDL	790 ug/kg
423	B	3,3'-DICHLOROBENZIDINE	BDL	1600 ug/kg
424	B	DIETHYLPHTHALATE	BDL	790 ug/kg
425	B	DIMETHYL PHTHALATE	BDL	790 ug/kg

		SITE	86021	
		POINT	SOIL	
		SAMPLE	S-8 2'DUP	
		DATE	07/23/87	
		DEPTH	2'	
		MATRIX	SO	
CMPD	CL	CMPD-DESC		
426	B	DI-N-BUTYLPHTHALATE	BDL 790	ug/kg
427	B	2,4-DINITROTOLUENE	BDL 790	ug/kg
428	B	2,6-DINITROTOLUENE	BDL 790	ug/kg
429	B	DI-N-OCTYL PHTHALATE	BDL 790	ug/kg
431	B	FLUORANTHENE	35000 D	ug/kg
432	B	FLUORENE	8900	ug/kg
433	B	HEXACHLOROBENZENE	BDL 790	ug/kg
434	B	HEXACHLOROBUTADIENE	BDL 790	ug/kg
435	B	HEXACHLOROCYCLOPENTADIENE	BDL 790	ug/kg
436	B	HEXACHLOROETHANE	BDL 790	ug/kg
437	B	INDENO(1,2,3-CD)PYRENE	2800	ug/kg
438	B	ISOPHORONE	BDL 790	ug/kg
439	B	NAPHTHALENE	1600	ug/kg
440	B	NITROBENZENE	BDL 790	ug/kg
442	B	N-NITROSO-DI-N-PROPYLAMINE	BDL 790	ug/kg
443	B	N-NITROSODIPHENYLAMINE(1)	BDL 790	ug/kg
444	B	PHENANTHRENE	31000 D	ug/kg
445	B	PYRENE	39000	ug/kg
446	B	1,2,4-TRICHLOROBENZENE	BDL 790	ug/kg
456	B	1,2,3,4-TETRACHLOROBENZENE	NA	
474	B	BENZYL ALCOHOL	BDL 790	ug/kg
475	B	4-CHLOROANILINE	BDL 790	ug/kg
476	B	DIBENZOFURAN	5100	ug/kg
477	B	2-METHYLNAPHTHALENE	3800	ug/kg
478	B	2-NITROANILINE	BDL 4000	ug/kg
479	B	3-NITROANILINE	BDL 4000	ug/kg
480	B	4-NITROANILINE	BDL 4000	ug/kg
601	A	2-CHLOROPHENOL	BDL 790	ug/kg
602	A	2,4-DICHLOROPHENOL	BDL 790	ug/kg
603	A	2,4-DIMETHYLPHENOL	BDL 790	ug/kg
604	A	4,6-DINITRO-2-METHYLPHENOL	BDL 4000	ug/kg
605	A	2,4-DINITROPHENOL	BDL 4000	ug/kg
606	A	2-NITROPHENOL	BDL 790	ug/kg
607	A	4-NITROPHENOL	BDL 4000	ug/kg
608	A	4-CHLORO-3-METHYLPHENOL	BDL 790	ug/kg
609	A	PENTACHLOROPHENOL	190000 D	ug/kg
610	A	PHENOL	BDL 790	ug/kg
611	A	2,4,6-TRICHLOROPHENOL	BDL 790	ug/kg
620	A	2-METHYLPHENOL	BDL 790	ug/kg
622	A	4-METHYLPHENOL	BDL 790	ug/kg
625	A	BENZOIC ACID	BDL 4000	ug/kg
626	A	2,4,5-TRICHLOROPHENOL	BDL 4000	ug/kg

PESTICIDE/ PCB'S LAB I.D. # 142888

		SITE	86021	
		POINT	SOIL	
		SAMPLE	S-8 2'DUP	
		DATE	07/23/87	
		DEPTH	2'	
		MATRIX	SO	
CMPD	CL	CMPD-DESC		
701	P	ALDRIN	BDL	93 ug/kg
702	P	ALPHA-BHC	BDL	93 ug/kg
703	P	BETA-BHC	BDL	93 ug/kg
704	P	GAMMA-BHC	BDL	93 ug/kg
705	P	DELTA-BHC	BDL	93 ug/kg
706	P	CHLORDANE	1300	ug/kg
707	P	4,4'-DDT	BDL	180 ug/kg
708	P	4,4'-DDE	BDL	180 ug/kg
709	P	4,4'-DDD	BDL	180 ug/kg
710	P	DIELDRIN	BDL	180 ug/kg
711	P	ALPHA-ENDOSULFAN	BDL	93 ug/kg
712	P	BETA-ENDOSULFAN	BDL	180 ug/kg
713	P	ENDOSULFAN SULFATE	BDL	180 ug/kg
714	P	ENDRIN	BDL	180 ug/kg
715	P	ENDRIN ALDEHYDE	NA	
716	P	HEPTACHLOR	BDL	93 ug/kg
717	P	HEPTACHLOR EPOXIDE	BDL	93 ug/kg
718	P	PCB-1242	BDL	930 ug/kg
719	P	PCB-1254	BDL	1800 ug/kg
720	P	PCB-1221	BDL	930 ug/kg
721	P	PCB-1232	BDL	930 ug/kg
722	P	PCB-1248	BDL	930 ug/kg
723	P	PCB-1260	BDL	1800 ug/kg
724	P	PCB-1016	BDL	930 ug/kg
725	P	TOXAPHENE	BDL	1800 ug/kg
726	P	P,P'-METHOXYCHLOR	BDL	930 ug/kg
739	P	ENDRIN KETONE	BDL	180 ug/kg
		OIL & GREASE LAB ID #	142953	
		==========	======	
1033	C	OIL AND GREASE	11000	mg/kg
			142918	
			======	
1080	C	PERCENT SOLIDS	84	
			142918	
			======	
1001	C	CYANIDE	BDL	0.59 MG/KG
			142888	
			======	
1047	C	PH	7.02	pH

AR300509

SITE:	86021	86021	86021	86021	86021	86021	86021
POINT:	S-1	S-2	S-3	S-3	S-4	S-4	S-5
LAB ID #:	30892-19	30892-17	30892-18	30892-15	30892-25	30892-16	30892-24
GC/MS DATE:	9-11-87	9-11-87	9-11-87	9-11-87	9-12-87	9-11-87	9-12-87
DEPTH:	(0')	(0')	(1')	(1.5')	(2')	(3')	(1')
MATRIX:	SO	SO	SO	SO	SO	SO	SO
COP NAME							
TCDD	0.016 ppt	BDL 0.02 ppt	BDL 0.068 ppt	BDL 0.033 ppt	BDL 0.34 ppt	BDL 0.043 ppt	BDL 1.1 ppt
2378 TCDD	0.036 ppt	0.077 ppt	BDL 0.071 ppt	BDL 0.11x ppt	BDL 0.3 ppt	BDL 0.034 ppt	BDL 0.45 ppt
PnCDD	1.5 ppt	1.2 ppt	1.6 ppt	1.4 ppt	0.75 ppt	1.4 ppt	BDL 2.1 ppt
12378 PnCDD	0.53 ppt	0.54 ppt	1.1 ppt	0.7 ppt	0.35 ppt	0.61 ppt	BDL 1.8 ppt
HxCDD	15.1 ppt	24.2 ppt	41.8 ppt	35.4 ppt	22.2 ppt	25.3 ppt	202 ppt
123478 HxCDD	1.4 ppt	1.9 ppt	3.8 ppt	2.5 ppt	1.5 ppt	2.1 ppt	BDL 4.0 ppt
123678 HxCDD	3.7 ppt	12.3 ppt	22.9 ppt	19.9 ppt	109 ppt	11.8 ppt	140 ppt
123789 HxCDD	3 ppt	4 ppt	8.2 ppt	5.8 ppt	3.1 ppt	4.5 ppt	17.4 ppt
HpCDD	68.9 ppt	246 ppt	331 ppt	363 ppt	199 ppt	199 ppt	3256 ppt
1234678 HpCDD	81.1 ppt	379 ppt	648 ppt	613 ppt	312 ppt	339 ppt	5124 ppt
OCDD	392 ppt	3237 ppt	2784 ppt	3420 ppt	1653 ppt	1490 ppt	30579 ppt

(x MPC)

AR300510

SITE:	86021	86021	86021	86021	86021
POINT:	S-6	S-7	S-7	S-7	S-8
LAB ID #:	30892-22	30892-14	30892-21	30892-20	30892-23
GC/MS DATE:	9-12-87	9-11-87	9-12-87	9-12-87	9-12-87
DEPTH:	(1')	(1')	(2')	(3')	(0')
MATRIX:	SO	SO	SO	SO	SO
COP NAME					
TCDD	BDL 0.063 ppt	BDL 0.022 ppt	BDL 0.068 ppt	BDL 0.029 ppt	BDL ? ppt
2378 TCDD	0.04 ppt	BDL 0.013 ppt	BDL 0.026 ppt	BDL 0.024 ppt	0.21 ppt
PnCDD	2.7 ppt	0.20 ppt	0.81 ppt	0.06 ppt	6.8 ppt
12378 PnCDD	BDL 1.1 ppt	0.12 ppt	0.49 ppt	0.1 ppt	5.1 ppt
HxCDD	35.3 ppt	4.4 ppt	48.7 ppt	11.8 ppt	106 ppt
123478 HxCDD	3.5 ppt	0.3 ppt	2.3 ppt	0.78 ppt	11.8 ppt
123678 HxCDD	14.8 ppt	1.2 ppt	29.9 ppt	6.3 ppt	29.6 ppt
123789 HxCDD	7.5 ppt	0.62 ppt	5.2 ppt	1.1 ppt	29 ppt
HpCDD	283 ppt	23 ppt	462 ppt	107 ppt	470 ppt
1234678 HpCDD	407 ppt	30.9 ppt	747 ppt	162 ppt	627 ppt
OCDD	1871 ppt	171 ppt	2725 ppt	685 ppt	2090 ppt

(x MPC)

AR300511

SITE:	86021	86021	86021	86021	86021	86021	86021
POINT:	S-1	S-2	S-3	S-3	S-4	S-4	S-5
LAB ID #:	30892-19	30892-17	30892-18	30892-15	30892-25	30892-16	30892-24
GC/MS DATE:	9-11-87	9-11-87	9-11-87	9-11-87	9-12-87	9-11-87	9-12-87
DEPTH:	(0')	(0')	(1')	(1.5')	(2')	(3')	(1')
MATRIX:	SO	SO	SO	SO	SO	SO	SO
CDP NAME							
TCDF	0.32 ppt	0.22 ppt	0.51 ppt	0.34 ppt	BDL 0.24 ppt	0.28 ppt	BDL 1.3 ppt
2378 TCDF	0.019 ppt	0.26 ppt	0.04 ppt	0.055 ppt	BDL 0.028 ppt	BDL 0.028 ppt	BDL 1.2 ppt
PnCDF	5.2 ppt	10.1 ppt	5 ppt	4.2 ppt	3 ppt	4.5 ppt	BDL ? ppt
12378 PnCDF	0.13 ppt	1.5 ppt	0.4 ppt	0.31 ppt	0.25 ppt	0.36 * ppt	2.1 ppt
23478 PnCDF	0.09 * ppt	0.81 * ppt	0.32 * ppt	0.39 * ppt	BDL .12 * ppt	0.24 * ppt	BDL 1.8 ppt
HxCDF	39.8 ppt	109 ppt	119 ppt	113 ppt	73.4 ppt	78.8 ppt	544 ppt
123478 HxCDF	0.59 ** ppt	5.5 ppt	3 ** ppt	1.9 ** ppt	1.3 ** ppt	1.6 ppt	16.4 ppt
123678 HxCDF	0.75 ppt	1.1 ppt	1.5 ppt	0.83 ppt	0.63 ppt	0.19 ppt	BDL 3.6 ppt
123789 HxCDF	0.13 ppt	2.2 ppt	0.56 ppt	0.47 ppt	0.32 ppt	0.45 ppt	BDL 1.5 ppt
234678 HxCDF	0.85 ppt	1.5 ppt	1.1 ppt	0.79 ppt	0.6 ppt	1.1 ppt	BDL 6.1 ppt
HpCDF	51.1 ppt	417 ppt	745 ppt	983 ppt	348 ppt	339 ppt	4252 ppt
1234678 HpCDF	29.7 ppt	98.2 ppt	182 ppt	186 ppt	78 ppt	87.3 ppt	955 ppt
1234789 HpCDF	1.1 ppt	5.8 ppt	11 ppt	10.9 ppt	4.6 ppt	6.3 ppt	48.8 ppt
OCDF	88.8 ppt	1775 ppt	3196 ppt	4556 ppt	749 ppt	1000 ppt	10706 ppt

(* MPC)
(** POSSIBLE DPE INTERFERENCE)

AR300512

SITE:	86021	86021	86021	86021	86021
POINT:	S-6	S-7	S-7	S-7	S-8
LAB ID #:	30892-22	30892-14	30892-21	30892-20	30892-23
GC/MS DATE:	9-12-87	9-11-87	9-12-87	9-12-87	9-12-87
DEPTH:	(1')	(1')	(2')	(3')	(0')
MATIRX:	SO	SO	SO	SO	SO
CDP NAME					
TCDF	0.13 ppt	BDL 0.017 ppt	0.20 ppt	0.092 ppt	0.56 ppt
2378 TCDF	BDL .084* ppt	BDL .0096 ppt	BDL 0.033 ppt	BDL 0.016 ppt	0.098 ppt
PnCDF	4.5 ppt	0.94 ppt	2.6 ppt	0.88 ppt	23.5 ppt
12378 PnCDF	0.41 ppt	BDL 0.021 ppt	0.079 ppt	BDL 0.025 ppt	0.8 ppt
23478 PnCDF	0.18 * ppt	BDL 0.026 ppt	BDL **0.16 ppt	BDL 0.077 ppt	0.61 * ppt
HxCDF	89.3 ppt	10.4 ppt	241 ppt	67 ppt	227 ppt
123478 HxCDF	1.8 ppt	0.17 ppt	3.5 ppt	0.61 ppt	4.1 ppt
123678 HxCDF	0.84 ppt	0.14 ppt	BDL 0.082 ppt	BDL 0.17 ppt	6 ppt
123789 HxCDF	0.4 ppt	0.021 ppt	0.38 ppt	0.089 ppt	0.55 ppt
234678 HxCDF	0.95 ppt	0.15 ppt	1.2 ppt	BDL 0.25 ppt	5.5 ppt
HpCDF	409 ppt	32.2 ppt	1376 ppt	340 ppt	364 ppt
1234678 HpCDF	106 ppt	10.1 ppt	271 ppt	63.6 ppt	246 ppt
1234789 HpCDF	5.1 ppt	0.37 ppt	12 ppt	2.8 ppt	8.7 ppt
OCDF	1067 ppt	60.1 ppt	2324 ppt	470 ppt	668 ppt

(* MPC)
(** POSSIBLE DPE INTERFERENCE)

AR300513

2.3 Sediment Sample Results

CMPD CL	CMPD-DESC							
	SITE	86021	86021	86021	86021	86021	86021	86021
	POINT	SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT
	SAMPLE	SED#1	SED#2	SED#3	SED#4	SED#5	SED#6	SED-7
	DATE	07/15/87	07/15/87	07/15/87	07/15/87	07/16/87	07/17/87	07/23/87
	DEPTH	0	0	0	0	0	0	0
	MATRIX	SE	SE	SE	SE	SE	SE	SE
	METALS LAB ID #	141083	141090	141106	141111	141522	141691	142919
101 M	ANTIMONY	BDL 13 UG/KG	BDL 14 UG/KG	BDL 13 UG/KG	BDL 12 UG/KG	BDL 12 UG/KG	BDL 15 UG/KG	BDL 13 UG/KG
102 M	ARSENIC	6.5 N F UG/KG	2.5 N F UG/KG	6.5 N F UG/KG	5.8 N F UG/KG	4.2 F UG/KG	2.6 F UG/KG	2.1 F UG/KG
103 M	BERYLLIUM	0.59 UG/KG	1.3 UG/KG	0.76 UG/KG	0.43 UG/KG	0.81 UG/KG	0.59 UG/KG	0.5 UG/KG
104 M	CADMIUM	BDL 1.1 UG/KG	1.4 UG/KG	1.7 UG/KG	2.3 UG/KG	1.2 N UG/KG	BDL 1.3 UG/KG	1.6 N UG/KG
105 M	CHROMIUM	36 N UG/KG	88 N UG/KG	302 N UG/KG	96 N UG/KG	300 UG/KG	44 UG/KG	60 UG/KG
106 M	COPPER	42 E N UG/KG	34 E N UG/KG	66 E N UG/KG	55 E N UG/KG	88 UG/KG	53 UG/KG	32 UG/KG
107 M	LEAD	46 UG/KG	16 F UG/KG	401 UG/KG	335 UG/KG	140 * UG/KG	135 * UG/KG	87 * UG/KG
108 M	MERCURY	BDL 0.11 UG/KG	BDL 0.14 UG/KG	BDL 0.12 UG/KG	0.13 CV UG/KG	BDL 0.12 UG/KG	0.21 * CV UG/KG	0.17 * CV UG/KG
109 M	NICKEL	7.8 UG/KG	26 UG/KG	9.8 UG/KG	9 UG/KG	18 UG/KG	15 UG/KG	13 UG/KG
110 M	SELENIUM	BDL 3.5 UG/KG	BDL 3.7 UG/KG	BDL 3.3 UG/KG	BDL 3.1 UG/KG	BDL 6.1 UG/KG	BDL 7.9 UG/KG	BDL 6.6 UG/KG
111 M	SILVER	BDL 1.9 UG/KG	BDL 2.1 UG/KG	BDL 1.9 UG/KG	BDL 1.7 UG/KG	BDL 1.7 UG/KG	BDL 2.2 UG/KG	BDL 1.9 UG/KG
112 M	THALLIUM	0.85 UG/KG	1.2 UG/KG	BDL 0.58 UG/KG	BDL 0.55 UG/KG	BDL 0.54 UG/KG	BDL 0.7 UG/KG	BDL 0.58 UG/KG
113 M	ZINC	86 UG/KG	93 UG/KG	213 UG/KG	218 UG/KG	231 UG/KG	254 UG/KG	168 UG/KG
114 M	BARIUM	85 UG/KG	206 UG/KG	111 UG/KG	70 UG/KG	102 UG/KG	60 UG/KG	42 UG/KG
115 M	IRON	15100 UG/KG	34200 UG/KG	32900 UG/KG	24900 UG/KG	54600 UG/KG	10800 UG/KG	9850 UG/KG
116 M	MANGANESE	300 N * UG/KG	295 N * UG/KG	2440 N * UG/KG	1370 * N UG/KG	10400 N UG/KG	476 N UG/KG	783 N UG/KG
117 M	VANADIUM	35 UG/KG	104 UG/KG	86 UG/KG	35 UG/KG	97 E UG/KG	19 E UG/KG	22 E UG/KG
118 M	ALUMINUM	9170 UG/KG	25200 UG/KG	8330 UG/KG	4800 UG/KG	5940 UG/KG	3870 UG/KG	2940 UG/KG
120 M	COBALT	6.8 E UG/KG	16 E UG/KG	8.2 E UG/KG	2.2 E UG/KG	1.7 UG/KG	3.8 UG/KG	2 UG/KG
121 M	MAGNESIUM	4360 E UG/KG	9030 E UG/KG	14500 E UG/KG	25600 E UG/KG	22400 UG/KG	9190 UG/KG	26700 UG/KG
129 M	CALCIUM	4690 * UG/KG	2860 * UG/KG	25200 * UG/KG	44900 * UG/KG	46000 UG/KG	17500 UG/KG	49700 UG/KG
130 M	SODIUM	532 UG/KG	960 UG/KG	971 UG/KG	881 UG/KG	743 UG/KG	BDL 568 UG/KG	734 UG/KG
131 M	POTASSIUM	1900 E UG/KG	7970 E UG/KG	4140 E UG/KG	903 E UG/KG	1720 UG/KG	BDL 730 UG/KG	BDL 629 UG/KG
	V.O.C. LAB I.D. #	141082	141086	141095	141110	141511	141690	142889
203 V	BENZENE	BDL 7.1 ug/kg	BDL 7.6 ug/kg	BDL 6.8 ug/kg	BDL 6.3 ug/kg	1.5 J B ug/kg	1.6 J B ug/kg	2.7 J ug/kg
205 V	BROMOFORM	BDL 7.1 ug/kg	BDL 7.6 ug/kg	BDL 6.8 ug/kg	BDL 6.3 ug/kg	BDL 6.2 ug/kg	BDL 8.0 ug/kg	BDL 6.8 ug/kg
206 V	CARBON TETRACHLORIDE	BDL 7.1 ug/kg	BDL 7.6 ug/kg	BDL 6.8 ug/kg	BDL 6.3 ug/kg	BDL 6.2 ug/kg	BDL 8.0 ug/kg	BDL 6.8 ug/kg
207 V	CHLOROBENZENE	BDL 7.1 ug/kg	BDL 7.6 ug/kg	BDL 6.8 ug/kg	BDL 6.3 ug/kg	BDL 6.2 ug/kg	BDL 8.0 ug/kg	BDL 6.8 ug/kg
208 V	DIBROMOCHLOROMETHANE	BDL 7.1 ug/kg	BDL 7.6 ug/kg	BDL 6.8 ug/kg	BDL 6.3 ug/kg	BDL 6.2 ug/kg	BDL 8.0 ug/kg	BDL 6.8 ug/kg
209 V	CHLOROETHANE	BDL 14 ug/kg	BDL 15 ug/kg	BDL 14 ug/kg	BDL 13 ug/kg	BDL 12 ug/kg	BDL 16 ug/kg	BDL 14 ug/kg
210 V	2-CHLOROETHYLVINYLETHER	BDL 14 ug/kg	BDL 15 ug/kg	BDL 14 ug/kg	BDL 13 ug/kg	BDL 12 ug/kg	BDL 16 ug/kg	BDL 14 ug/kg
211 V	CHLOROFORM	1.7 J ug/kg	BDL 7.6 ug/kg	BDL 6.8 ug/kg	BDL 6.3 ug/kg	2.1 J ug/kg	BDL 8.0 ug/kg	BDL 6.8 ug/kg
212 V	BROMODICHLOROMETHANE	BDL 7.1 ug/kg	BDL 7.6 ug/kg	BDL 6.8 ug/kg	BDL 6.3 ug/kg	BDL 6.2 ug/kg	BDL 8.0 ug/kg	BDL 6.8 ug/kg
214 V	1,1-DICHLOROETHANE	BDL 7.1 ug/kg	BDL 7.6 ug/kg	BDL 6.8 ug/kg	BDL 6.3 ug/kg	BDL 6.2 ug/kg	BDL 8.0 ug/kg	BDL 6.8 ug/kg
215 V	1,2-DICHLOROETHANE	BDL 7.1 ug/kg	BDL 7.6 ug/kg	BDL 6.8 ug/kg	BDL 6.3 ug/kg	BDL 6.2 ug/kg	BDL 8.0 ug/kg	BDL 6.8 ug/kg
216 V	1,1-DICHLOROETHENE	BDL 7.1 ug/kg	BDL 7.6 ug/kg	BDL 6.8 ug/kg	BDL 6.3 ug/kg	BDL 6.2 ug/kg	BDL 8.0 ug/kg	BDL 6.8 ug/kg
217 V	1,2-DICHLOROPROPANE	BDL 7.1 ug/kg	BDL 7.6 ug/kg	BDL 6.8 ug/kg	BDL 6.3 ug/kg	BDL 6.2 ug/kg	BDL 8.0 ug/kg	BDL 6.8 ug/kg
218 V	CIS-1,3-DICHLOROPROPENE	BDL 7.1 ug/kg	BDL 7.6 ug/kg	BDL 6.8 ug/kg	BDL 6.3 ug/kg	BDL 6.2 ug/kg	BDL 8.0 ug/kg	BDL 6.8 ug/kg
219 V	ETHYLBENZENE	BDL 7.1 ug/kg	BDL 7.6 ug/kg	BDL 6.8 ug/kg	BDL 6.3 ug/kg	BDL 6.2 ug/kg	BDL 8.0 ug/kg	BDL 6.8 ug/kg
220 V	BROMOMETHANE	BDL 14 ug/kg	BDL 15 ug/kg	BDL 14 ug/kg	BDL 13 ug/kg	BDL 12 ug/kg	BDL 16 ug/kg	BDL 14 ug/kg

AR300055

	SITE	84021	84021	84021	84021	84021	84021	84021
	POINT	SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT
	SAMPLE	SED#1	SED#2	SED#3	SED#4	SED#5	SED#6	SED-7
	DATE	07/15/87	07/15/87	07/15/87	07/15/87	07/16/87	07/17/87	07/23/87
	DEPTH	0	0	0	0	0	0	0
	MATRIX	SE	SE	SE	SE	SE	SE	SE
CMPD CL	CMPD-DESC							
221 V	CHLOROMETHANE	BDL 14 ug/kg	BDL 15 ug/kg	BDL 14 ug/kg	BDL 13 ug/kg	BDL 12 ug/kg	BDL 16 ug/kg	BDL 14 ug/kg
222 V	METHYLENE CHLORIDE	110 B ug/kg	28 B ug/kg	27 B ug/kg	12 B ug/kg	91 B ug/kg	25 B ug/kg	22 B ug/kg
223 V	1,1,2,2-TETRACHLOROETHANE	BDL 7.1 ug/kg	BDL 7.6 ug/kg	BDL 6.8 ug/kg	BDL 6.3 ug/kg	BDL 6.2 ug/kg	BDL 8.0 ug/kg	BDL 6.8 ug/kg
224 V	TETRACHLOROETHENE	BDL 7.1 ug/kg	BDL 7.6 ug/kg	BDL 6.8 ug/kg	BDL 6.3 ug/kg	BDL 6.2 ug/kg	BDL 8.0 ug/kg	BDL 6.8 ug/kg
225 V	TOLUENE	BDL 7.1 ug/kg	BDL 7.6 ug/kg	BDL 6.8 ug/kg	BDL 6.3 ug/kg	BDL 6.2 ug/kg	BDL 8.0 ug/kg	BDL 6.8 ug/kg
226 V	TRANS-1,2-DICHLOROETHENE	BDL 7.1 ug/kg	BDL 7.6 ug/kg	BDL 6.8 ug/kg	BDL 6.3 ug/kg	BDL 6.2 ug/kg	BDL 8.0 ug/kg	BDL 6.8 ug/kg
227 V	1,1,1-TRICHLOROETHANE	BDL 7.1 ug/kg	BDL 7.6 ug/kg	BDL 6.8 ug/kg	BDL 6.3 ug/kg	BDL 6.2 ug/kg	BDL 8.0 ug/kg	BDL 6.8 ug/kg
228 V	1,1,2-TRICHLOROETHANE	BDL 7.1 ug/kg	BDL 7.6 ug/kg	BDL 6.8 ug/kg	BDL 6.3 ug/kg	BDL 6.2 ug/kg	BDL 8.0 ug/kg	BDL 6.8 ug/kg
229 V	TRICHLOROETHENE	BDL 7.1 ug/kg	BDL 7.6 ug/kg	BDL 6.8 ug/kg	BDL 6.3 ug/kg	BDL 6.2 ug/kg	BDL 8.0 ug/kg	BDL 6.8 ug/kg
231 V	VINYL CHLORIDE	BDL 14 ug/kg	BDL 15 ug/kg	BDL 14 ug/kg	BDL 13 ug/kg	BDL 12 ug/kg	BDL 16 ug/kg	BDL 14 ug/kg
250 V	TRANS-1,3-DICHLOROPROPENE	BDL 7.1 ug/kg	BDL 7.6 ug/kg	BDL 6.8 ug/kg	BDL 6.3 ug/kg	BDL 6.2 ug/kg	BDL 8.0 ug/kg	BDL 6.8 ug/kg
251 V	STYRENE	BDL 7.1 ug/kg	BDL 7.6 ug/kg	BDL 6.8 ug/kg	BDL 6.3 ug/kg	BDL 6.2 ug/kg	BDL 8.0 ug/kg	BDL 6.8 ug/kg
252 V	ACETONE	23 B ug/kg	16 B ug/kg	40 B ug/kg	17 B ug/kg	120 B ug/kg	24 B ug/kg	17 B ug/kg
253 V	2-BUTANONE	BDL 14 ug/kg	BDL 15 ug/kg	BDL 14 ug/kg	BDL 13 ug/kg	BDL 12 ug/kg	BDL 16 ug/kg	BDL 14 ug/kg
254 V	CARBON DISULFIDE	BDL 7.1 ug/kg	BDL 7.6 ug/kg	BDL 6.8 ug/kg	BDL 6.3 ug/kg	BDL 6.2 ug/kg	BDL 8.0 ug/kg	BDL 6.8 ug/kg
255 V	2-HEXANONE	BDL 14 ug/kg	BDL 15 ug/kg	BDL 14 ug/kg	BDL 13 ug/kg	BDL 12 ug/kg	BDL 16 ug/kg	BDL 14 ug/kg
256 V	4-METHYL-2-PENTANONE	BDL 14 ug/kg	BDL 15 ug/kg	BDL 14 ug/kg	BDL 13 ug/kg	BDL 12 ug/kg	BDL 16 ug/kg	BDL 14 ug/kg
257 V	VINYL ACETATE	BDL 14 ug/kg	BDL 15 ug/kg	BDL 14 ug/kg	BDL 13 ug/kg	BDL 12 ug/kg	BDL 16 ug/kg	BDL 14 ug/kg
289 V	XYLENES (TOTAL)	BDL 7.1 ug/kg	BDL 7.6 ug/kg	BDL 6.8 ug/kg	BDL 6.3 ug/kg	BDL 6.2 ug/kg	BDL 8.0 ug/kg	BDL 6.8 ug/kg
	ACID EXTRACT/ BASE NEUT. LAB ID B	141082	141086	141095	141110	141511	141690	142889
	==========	======	======	======	======	======	======	======
401 B	ACENAPHTHENE	BDL 470 ug/kg	67 J ug/kg	2800 ug/kg	1500 ug/kg	2100 ug/kg	1900 ug/kg	1500 ug/kg
402 B	ACENAPHTHYLENE	850 ug/kg	BDL 520 ug/kg	95 J ug/kg	120 J ug/kg	68 J ug/kg	60 J ug/kg	BDL 920 ug/kg
403 B	ANTHRACENE	1300 ug/kg	120 J ug/kg	3900 ug/kg	2800 ug/kg	3500 ug/kg	3000 ug/kg	2100 ug/kg
405 B	BENZO(A)ANTHRACENE	3800 ug/kg	380 J ug/kg	15000 D ug/kg	7500 ug/kg	13000 D ug/kg	20000 D ug/kg	8700 ug/kg
406 B	BENZO(A)PYRENE	2900 ug/kg	340 J ug/kg	14000 D ug/kg	5900 ug/kg	8100 D ug/kg	13000 D ug/kg	5700 ug/kg
407 B	BENZO(B)FLUORANTHENE	5800 ug/kg	660 ug/kg	14000 D ug/kg	5900 ug/kg	16000 D ug/kg	28000 D ug/kg	14000 ug/kg
408 B	BENZO(G,H,I)PERYLENE	1300 ug/kg	210 J ug/kg	4400 ug/kg	3000 ug/kg	2000 ug/kg	2800 ug/kg	2000 ug/kg
409 B	BENZO(K)FLUORANTHENE	5800 ug/kg	660 ug/kg	16000 D ug/kg	6400 ug/kg	16000 D ug/kg	28000 D ug/kg	14000 ug/kg
410 B	BIS(-2-CHLOROETHOXY)METHANE	BDL 470 ug/kg	BDL 520 ug/kg	BDL 450 ug/kg	BDL 430 ug/kg	BDL 420 ug/kg	BDL 550 ug/kg	BDL 920 ug/kg
411 B	BIS(-2-CHLOROETHYL)ETHER	BDL 470 ug/kg	BDL 520 ug/kg	BDL 450 ug/kg	BDL 430 ug/kg	BDL 420 ug/kg	BDL 550 ug/kg	BDL 920 ug/kg
412 B	BIS(2-CHLOROISOPROPYL)ETHER	BDL 470 ug/kg	BDL 520 ug/kg	BDL 450 ug/kg	BDL 430 ug/kg	BDL 420 ug/kg	BDL 550 ug/kg	BDL 920 ug/kg
413 B	BIS(2-ETHYLHEXYL)PHTHALATE	610 ug/kg	210 J ug/kg	1400 ug/kg	2100 ug/kg	1100 ug/kg	6000 ug/kg	1900 ug/kg
414 B	4-BROMOPHENYL-PHENYLETHER	BDL 470 ug/kg	BDL 520 ug/kg	BDL 450 ug/kg	BDL 430 ug/kg	BDL 420 ug/kg	BDL 550 ug/kg	BDL 920 ug/kg
415 B	BUTYLBENZYLPHTHALATE	61 J ug/kg	520 ug/kg	270 J ug/kg	310 J ug/kg	110 J ug/kg	1300 ug/kg	150 J ug/kg
416 B	2-CHLORONAPHTHALENE	BDL 470 ug/kg	BDL 520 ug/kg	BDL 450 ug/kg	BDL 430 ug/kg	130 J ug/kg	BDL 550 ug/kg	BDL 920 ug/kg
417 B	4-CHLOROPHENYL-PHENYLETHER	BDL 470 ug/kg	BDL 520 ug/kg	BDL 450 ug/kg	BDL 430 ug/kg	BDL 420 ug/kg	BDL 550 ug/kg	BDL 920 ug/kg
418 B	CHRYSENE	3700 ug/kg	470 J ug/kg	16000 D ug/kg	10000 D ug/kg	7300 ug/kg	18000 D ug/kg	7800 ug/kg
419 B	DIBENZ(A,H)ANTHRACENE	480 ug/kg	BDL 520 ug/kg	1900 ug/kg	850 ug/kg	870 ug/kg	1600 ug/kg	930 ug/kg
420 B	1,2-DICHLOROBENZENE	BDL 470 ug/kg	BDL 520 ug/kg	BDL 450 ug/kg	BDL 430 ug/kg	BDL 420 ug/kg	BDL 550 ug/kg	BDL 920 ug/kg
421 B	1,3-DICHLOROBENZENE	BDL 470 ug/kg	BDL 520 ug/kg	BDL 450 ug/kg	BDL 430 ug/kg	BDL 420 ug/kg	BDL 550 ug/kg	BDL 920 ug/kg
422 B	1,4-DICHLOROBENZENE	BDL 470 ug/kg	BDL 520 ug/kg	BDL 450 ug/kg	BDL 430 ug/kg	BDL 420 ug/kg	BDL 550 ug/kg	BDL 920 ug/kg
423 B	3,3'-DICHLOROBENZIDINE	BDL 940 ug/kg	BDL 1000 ug/kg	BDL 900 ug/kg	BDL 850 ug/kg	BDL 850 ug/kg	BDL 1100 ug/kg	BDL 1800 ug/kg
424 B	DIETHYLPHTHALATE	BDL 470 ug/kg	BDL 520 ug/kg	BDL 450 ug/kg	BDL 430 ug/kg	BDL 420 ug/kg	BDL 550 ug/kg	BDL 820 ug/kg

	SITE	86021	86021	86021	86021	86021	86021	86021
	POINT	SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT
	SAMPLE	SED#1	SED#2	SED#3	SED#4	SED#5	SED#6	SED-7
	DATE	07/15/87	07/15/87	07/15/87	07/15/87	07/16/87	07/17/87	07/23/87
	DEPTH	0	0	0	0	0	0	0
	MATRIX	SE	SE	SE	SE	SE	SE	SE
CMPD CL	CMPD-DESC							
425 B	DIMETHYL PHTHALATE	BDL 470 ug/kg	BDL 520 ug/kg	BDL 450 ug/kg	BDL 430 ug/kg	BDL 420 ug/kg	BDL 550 ug/kg	BDL 920 ug/kg
426 B	DI-N-BUTYLPHTHALATE	BDL 470 ug/kg	BDL 520 ug/kg	50 J ug/kg	72 J ug/kg	BDL 420 ug/kg	BDL 550 ug/kg	BDL 920 ug/kg
427 B	2,4-DINITROTOLUENE	BDL 470 ug/kg	BDL 520 ug/kg	BDL 450 ug/kg	BDL 430 ug/kg	BDL 420 ug/kg	BDL 550 ug/kg	BDL 920 ug/kg
428 B	2,6-DINITROTOLUENE	BDL 470 ug/kg	BDL 520 ug/kg	BDL 450 ug/kg	BDL 430 ug/kg	BDL 420 ug/kg	BDL 550 ug/kg	BDL 920 ug/kg
429 B	DI-N-OCTYL PHTHALATE	BDL 470 ug/kg	BDL 520 ug/kg	190 J ug/kg	400 J ug/kg	140 J ug/kg	520 J ug/kg	160 J ug/kg
431 B	FLUORANTHENE	5800 ug/kg	1000 ug/kg	35000 D ug/kg	20000 D ug/kg	27000 D ug/kg	33000 D ug/kg	19000 D ug/kg
432 B	FLUORENE	740 ug/kg	67 ug/kg	3500 ug/kg	2000 ug/kg	3000 ug/kg	2400 ug/kg	1900 ug/kg
433 B	HEXACHLOROBENZENE	BDL 470 ug/kg	BDL 520 ug/kg	BDL 450 ug/kg	BDL 430 ug/kg	BDL 420 ug/kg	BDL 550 ug/kg	BDL 920 ug/kg
434 B	HEXACHLOROBUTADIENE	BDL 470 ug/kg	BDL 520 ug/kg	BDL 450 ug/kg	BDL 430 ug/kg	BDL 420 ug/kg	BDL 550 ug/kg	BDL 920 ug/kg
435 B	HEXACHLOROCYCLOPENTADIENE	BDL 470 ug/kg	BDL 520 ug/kg	BDL 450 ug/kg	BDL 430 ug/kg	BDL 420 ug/kg	BDL 550 ug/kg	BDL 920 ug/kg
436 B	HEXACHLOROETHANE	BDL 470 ug/kg	BDL 520 ug/kg	BDL 450 ug/kg	BDL 430 ug/kg	BDL 420 ug/kg	BDL 550 ug/kg	BDL 920 ug/kg
437 B	INDENO(1,2,3-CD)PYRENE	1200 ug/kg	200 J ug/kg	4400 ug/kg	2700 ug/kg	2000 ug/kg	3000 ug/kg	2000 ug/kg
438 B	ISOPHORONE	BDL 470 ug/kg	BDL 520 ug/kg	BDL 450 ug/kg	BDL 430 ug/kg	BDL 420 ug/kg	BDL 550 ug/kg	BDL 920 ug/kg
439 B	NAPHTHALENE	71 J ug/kg	BDL 520 ug/kg	400 J ug/kg	140 J ug/kg	510 ug/kg	220 J ug/kg	160 J ug/kg
440 B	NITROBENZENE	BDL 470 ug/kg	BDL 520 ug/kg	BDL 450 ug/kg	BDL 430 ug/kg	BDL 420 ug/kg	BDL 550 ug/kg	BDL 920 ug/kg
442 B	N-NITROSO-DI-N-PROPYLAMINE	BDL 470 ug/kg	BDL 520 ug/kg	BDL 450 ug/kg	BDL 430 ug/kg	BDL 420 ug/kg	BDL 550 ug/kg	BDL 920 ug/kg
443 B	N-NITROSODIPHENYLAMINE(1)	BDL 470 ug/kg	BDL 520 ug/kg	BDL 450 ug/kg	BDL 430 ug/kg	BDL 420 ug/kg	BDL 550 ug/kg	BDL 920 ug/kg
444 B	PHENANTHRENE	6800 ug/kg	690 ug/kg	33000 D ug/kg	18000 D ug/kg	21000 D ug/kg	27000 D ug/kg	18000 D ug/kg
445 B	PYRENE	5300 ug/kg	880 ug/kg	37000 D ug/kg	23000 D ug/kg	19000 D ug/kg	28000 D ug/kg	13000 ug/kg
446 B	1,2,4-TRICHLOROBENZENE	BDL 470 ug/kg	BDL 520 ug/kg	BDL 450 ug/kg	BDL 430 ug/kg	BDL 420 ug/kg	BDL 550 ug/kg	BDL 920 ug/kg
474 B	BENZYL ALCOHOL	BDL 470 ug/kg	BDL 520 ug/kg	BDL 450 ug/kg	BDL 430 ug/kg	BDL 420 ug/kg	BDL 550 ug/kg	BDL 920 ug/kg
475 B	4-CHLOROANILINE	BDL 470 ug/kg	BDL 520 ug/kg	BDL 450 ug/kg	BDL 430 ug/kg	BDL 420 ug/kg	BDL 550 ug/kg	BDL 920 ug/kg
476 B	DIBENZOFURAN	370 J ug/kg	BDL 520 ug/kg	1800 ug/kg	990 ug/kg	1400 ug/kg	1100 ug/kg	900 J ug/kg
477 B	2-METHYLNAPHTHALENE	76 J ug/kg	BDL 520 ug/kg	430 J ug/kg	180 J ug/kg	870 ug/kg	200 J ug/kg	160 J ug/kg
478 B	2-NITROANILINE	BDL 2400 ug/kg	BDL 2600 ug/kg	BDL 2300 ug/kg	BDL 2100 ug/kg	BDL 2100 ug/kg	BDL 2700 ug/kg	BDL 4600 ug/kg
479 B	3-NITROANILINE	BDL 2400 ug/kg	BDL 2600 ug/kg	BDL 2300 ug/kg	BDL 2100 ug/kg	BDL 2100 ug/kg	BDL 2700 ug/kg	BDL 4600 ug/kg
480 B	4-NITROANILINE	BDL 2400 ug/kg	BDL 2600 ug/kg	BDL 2300 ug/kg	BDL 2100 ug/kg	BDL 2100 ug/kg	BDL 2700 ug/kg	BDL 4600 ug/kg
601 A	2-CHLOROPHENOL	BDL 470 ug/kg	BDL 520 ug/kg	BDL 450 ug/kg	BDL 430 ug/kg	BDL 420 ug/kg	BDL 550 ug/kg	BDL 920 ug/kg
602 A	2,4-DICHLOROPHENOL	BDL 470 ug/kg	BDL 520 ug/kg	BDL 450 ug/kg	BDL 430 ug/kg	BDL 420 ug/kg	BDL 550 ug/kg	BDL 920 ug/kg
603 A	2,4-DIMETHYLPHENOL	BDL 470 ug/kg	BDL 520 ug/kg	BDL 450 ug/kg	BDL 430 ug/kg	BDL 420 ug/kg	BDL 550 ug/kg	BDL 920 ug/kg
604 A	4,6-DINITRO-2-METHYLPHENOL	BDL 2400 ug/kg	BDL 2600 ug/kg	BDL 2300 ug/kg	BDL 2100 ug/kg	BDL 2100 ug/kg	BDL 2700 ug/kg	BDL 4600 ug/kg
605 A	2,4-DINITROPHENOL	BDL 2400 ug/kg	BDL 2600 ug/kg	BDL 2300 ug/kg	BDL 2100 ug/kg	BDL 2100 ug/kg	BDL 2700 ug/kg	BDL 4600 ug/kg
606 A	2-NITROPHENOL	BDL 470 ug/kg	BDL 520 ug/kg	BDL 450 ug/kg	BDL 430 ug/kg	BDL 420 ug/kg	BDL 550 ug/kg	BDL 920 ug/kg
607 A	4-NITROPHENOL	BDL 2400 ug/kg	BDL 2600 ug/kg	BDL 2300 ug/kg	BDL 2100 ug/kg	BDL 2100 ug/kg	BDL 2700 ug/kg	BDL 4600 ug/kg
608 A	4-CHLORO-3-METHYLPHENOL	BDL 470 ug/kg	BDL 520 ug/kg	BDL 450 ug/kg	BDL 430 ug/kg	BDL 420 ug/kg	BDL 550 ug/kg	BDL 920 ug/kg
609 A	PENTACHLOROPHENOL	120 J ug/kg	120 J ug/kg	870 J ug/kg	2300 ug/kg	1100 J ug/kg	BDL 2700 ug/kg	BDL 4600 ug/kg
610 A	PHENOL	BDL 470 ug/kg	BDL 520 ug/kg	BDL 450 ug/kg	BDL 430 ug/kg	BDL 420 ug/kg	BDL 550 ug/kg	BDL 920 ug/kg
611 A	2,4,6-TRICHLOROPHENOL	BDL 470 ug/kg	BDL 520 ug/kg	BDL 450 ug/kg	BDL 430 ug/kg	BDL 420 ug/kg	BDL 550 ug/kg	BDL 920 ug/kg
620 A	2-METHYLPHENOL	BDL 470 ug/kg	BDL 520 ug/kg	BDL 450 ug/kg	BDL 430 ug/kg	BDL 420 ug/kg	BDL 550 ug/kg	BDL 920 ug/kg
622 A	4-METHYLPHENOL	BDL 470 ug/kg	BDL 520 ug/kg	86 J ug/kg	BDL 430 ug/kg	55 J ug/kg	270 J ug/kg	BDL 920 ug/kg
625 A	BENZOIC ACID	BDL 2400 ug/kg	450 J ug/kg	BDL 2300 ug/kg	BDL 2100 ug/kg	BDL 2100 ug/kg	230 J ug/kg	BDL 4600 ug/kg
626 A	2,4,5-TRICHLOROPHENOL	BDL 2400 ug/kg	BDL 2600 ug/kg	BDL 22 ug/kg	BDL 2100 ug/kg	BDL 2100 ug/kg	BDL 2700 ug/kg	BDL 4600 ug/kg
	PESTICIDES / PCB'S LAB ID #	141082	141086	141095	141110	141511	141690	142889
	==========	======	======	======	======	======	======	======

	SITE	86021	86021	86021	86021	86021	86021	86021
	POINT	SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT
	SAMPLE	SED#1	SED#2	SED#3	SED#4	SED#5	SED#6	SED-7
	DATE	07/15/87	07/15/87	07/15/87	07/15/87	07/16/87	07/17/87	07/23/87
	DEPTH	0	0	0	0	0	0	0
	MATRIX	SE	SE	SE	SE	SE	SE	SE
CMPD CL	CMPD-DESC							
701 P	ALDRIN	BDL 11 ug/kg	BDL 12 ug/kg	BDL 22 ug/kg	BDL 20 ug/kg	BDL 20 ug/kg	BDL 13 ug/kg	BDL 11 ug/kg
702 P	ALPHA-BHC	BDL 11 ug/kg	BDL 12 ug/kg	BDL 22 ug/kg	BDL 20 ug/kg	BDL 20 ug/kg	BDL 13 ug/kg	BDL 11 ug/kg
703 P	BETA-BHC	BDL 11 ug/kg	BDL 12 ug/kg	BDL 22 ug/kg	BDL 20 ug/kg	BDL 20 ug/kg	BDL 13 ug/kg	BDL 11 ug/kg
704 P	GAMMA-BHC	BDL 11 ug/kg	BDL 12 ug/kg	BDL 22 ug/kg	BDL 20 ug/kg	BDL 20 ug/kg	BDL 13 ug/kg	BDL 11 ug/kg
705 P	DELTA-BHC	BDL 11 ug/kg	BDL 12 ug/kg	BDL 22 ug/kg	BDL 20 ug/kg	33 ug/kg	BDL 13 ug/kg	BDL 11 ug/kg
706 P	CHLORDANE	BDL 110 ug/kg	BDL 120 ug/kg	BDL 230 ug/kg	BDL 200 ug/kg	BDL 200 ug/kg	420 ug/kg	300 ug/kg
707 P	4,4'-DDT	BDL 22 ug/kg	BDL 24 ug/kg	BDL 43 ug/kg	BDL 40 ug/kg	BDL 40 ug/kg	BDL 27 ug/kg	BDL 22 ug/kg
708 P	4,4'-DDE	BDL 22 ug/kg	BDL 24 ug/kg	BDL 43 ug/kg	BDL 40 ug/kg	BDL 40 ug/kg	BDL 27 ug/kg	BDL 22 ug/kg
709 P	4,4'-DDD	BDL 22 ug/kg	BDL 24 ug/kg	BDL 43 ug/kg	BDL 40 ug/kg	BDL 40 ug/kg	BDL 27 ug/kg	BDL 22 ug/kg
710 P	DIELDRIN	BDL 22 ug/kg	BDL 24 ug/kg	67 ug/kg	57 ug/kg	BDL 40 ug/kg	30 ug/kg	BDL 22 ug/kg
711 P	ALPHA-ENDOSULFAN	BDL 11 ug/kg	BDL 12 ug/kg	BDL 22 ug/kg	BDL 20 ug/kg	BDL 20 ug/kg	BDL 13 ug/kg	BDL 11 ug/kg
712 P	BETA-ENDOSULFAN	BDL 22 ug/kg	BDL 24 ug/kg	BDL 43 ug/kg	BDL 40 ug/kg	BDL 40 ug/kg	BDL 27 ug/kg	BDL 22 ug/kg
713 P	ENDOSULFAN SULFATE	BDL 22 ug/kg	BDL 24 ug/kg	BDL 43 ug/kg	BDL 40 ug/kg	BDL 40 ug/kg	BDL 27 ug/kg	BDL 22 ug/kg
714 P	ENDRIN	BDL 22 ug/kg	BDL 24 ug/kg	BDL 43 ug/kg	BDL 40 ug/kg	BDL 40 ug/kg	BDL 27 ug/kg	BDL 22 ug/kg
716 P	HEPTACHLOR	BDL 11 ug/kg	BDL 12 ug/kg	BDL 22 ug/kg	BDL 20 ug/kg	BDL 20 ug/kg	BDL 13 ug/kg	BDL 11 ug/kg
717 P	HEPTACHLOR EPOXIDE	BDL 11 ug/kg	BDL 12 ug/kg	BDL 22 ug/kg	BDL 20 ug/kg	BDL 20 ug/kg	BDL 13 ug/kg	BDL 11 ug/kg
718 P	PCB-1242	BDL 110 ug/kg	BDL 120 ug/kg	BDL 230 ug/kg	BDL 200 ug/kg	BDL 200 ug/kg	BDL 130 ug/kg	BDL 110 ug/kg
719 P	PCB-1254	BDL 220 ug/kg	BDL 240 ug/kg	BDL 430 ug/kg	BDL 400 ug/kg	BDL 400 ug/kg	BDL 270 ug/kg	BDL 220 ug/kg
720 P	PCB-1221	BDL 110 ug/kg	BDL 120 ug/kg	BDL 230 ug/kg	BDL 200 ug/kg	BDL 200 ug/kg	BDL 130 ug/kg	BDL 110 ug/kg
721 P	PCB-1232	BDL 110 ug/kg	BDL 120 ug/kg	BDL 220 ug/kg	BDL 200 ug/kg	BDL 200 ug/kg	BDL 130 ug/kg	BDL 110 ug/kg
722 P	PCB-1248	BDL 110 ug/kg	BDL 120 ug/kg	BDL 220 ug/kg	BDL 200 ug/kg	BDL 200 ug/kg	BDL 130 ug/kg	BDL 100 ug/kg
723 P	PCB-1260	BDL 220 ug/kg	BDL 240 ug/kg	BDL 430 ug/kg	BDL 400 ug/kg	BDL 400 ug/kg	BDL 270 ug/kg	BDL 220 ug/kg
724 P	PCB-1016	BDL 110 ug/kg	BDL 120 ug/kg	BDL 220 ug/kg	BDL 200 ug/kg	BDL 200 ug/kg	BDL 130 ug/kg	BDL 110 ug/kg
725 P	TOXAPHENE	BDL 220 ug/kg	BDL 240 ug/kg	BDL 430 ug/kg	BDL 400 ug/kg	BDL 400 ug/kg	BDL 270 ug/kg	BDL 220 ug/kg
726 P	P,P'-METHOXYCHLOR	BDL 110 ug/kg	BDL 120 ug/kg	BDL 220 ug/kg	BDL 200 ug/kg	BDL 200 ug/kg	BDL 130 ug/kg	BDL 110 ug/kg
739 P	ENDRIN KETONE	BDL 22 ug/kg	BDL 24 ug/kg	BDL 43 ug/kg	BDL 40 ug/kg	BDL 40 ug/kg	BDL 27 ug/kg	BDL 22 ug/kg
		141083	141090	141106	141111	141522	141691	142919
		======	======	======	======	======	======	======
1001 C	CYANIDE	BDL 0.71 MG/KG	BDL 0.77 MG/KG	BDL 0.68 MG/KG	1.3 MG/KG	BDL 0.62 MG/KG	BDL 0.81 MG/KG	BDL 0.68 MG/KG
		141113	14114	141115	141116	141512	141692	142954
		======	======	======	======	======	======	======
1033 C	OIL AND GREASE	140 mg/kg	BDL 25 mg/kg	1400 mg/kg	710 mg/kg	4500 mg/kg	5400 mg/kg	460 mg/kg
		141082	141086	141095	141110	141511	141690	142889
		======	======	======	======	======	======	======
1047 C	PH	7.07 pH	7.03 pH	6.99 pH	7.05 pH	6.94 pH	7.21 pH	6.97 pH
		141083	141086	141106	141111	141522	141691	142919
		======	======	======	======	======	======	======
1080 C	PERCENT SOLIDS	70	65	73	79	80	62	73

AR300518

CMPD CL	CMPD-DESC				
	SITE	86021	86021	86021	86021
	POINT	SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT
	SAMPLE	SED-7 DUP	SED-8	SED-9	SED-10
	DATE	07/23/87	07/23/87	07/23/87	07/23/87
	DEPTH	0	0	0	0
	MATRIX	SE	SE	SE	SE
	METALS LAB ID #	142921	142922	142923	142929
101 M	ANTIMONY	BDL 13 UG/KG	BDL 12 UG/KG	BDL 11 UG/KG	BDL 13 UG/KG
102 M	ARSENIC	2.3 F UG/KG	2.7 F UG/KG	3.3 UG/KG	1050 UG/KG
103 M	BERYLLIUM	0.6 UG/KG	0.51 UG/KG	0.7 UG/KG	0.51 UG/KG
104 M	CADMIUM	BDL 1.1 UG/KG	BDL 0.97 UG/KG	1.1 UG/KG	11 UG/KG
105 M	CHROMIUM	149 UG/KG	205 UG/KG	163 E N *UG/KG	1020 E N *UG/KG
106 M	COPPER	39 UG/KG	33 UG/KG	134 N * UG/KG	437 N * UG/KG
107 M	LEAD	80 * UG/KG	84 N F UG/KG	159 E N UG/KG	231 E N UG/KG
108 M	MERCURY	0.25 * CV UG/KG	BDL 0.12 UG/KG	BDL 0.11 UG/KG	1.5 N CV UG/KG
109 M	NICKEL	8.9 UG/KG	7.9 UG/KG	BDL 4.9 UG/KG	16 UG/KG
110 M	SELENIUM	BDL 7 UG/KG	BDL 6 UG/KG	BDL 5.8 UG/KG	BDL 6.9 UG/KG
111 M	SILVER	BDL 1.9 UG/KG	BDL 1.7 UG/KG	BDL 1.6 UG/KG	BDL 1.9 UG/KG
112 M	THALLIUM	BDL 0.62 UG/KG	BDL 0.53 UG/KG	BDL 0.51 UG/KG	BDL 0.61 UG/KG
113 M	ZINC	217 UG/KG	184 UG/KG	67 E * UG/KG	3510 E * UG/KG
114 M	BARIUM	68 UG/KG	41 UG/KG	24 UG/KG	115 UG/KG
115 M	IRON	22100 UG/KG	22000 UG/KG	23300 E UG/KG	15000 E UG/KG
116 M	MANGANESE	1780 N UG/KG	4390 N UG/KG	4930 UG/KG	414 UG/KG
117 M	VANADIUM	47 E UG/KG	48 E UG/KG	95 E * UG/KG	40 E * UG/KG
118 M	ALUMINUM	3860 UG/KG	3190 UG/KG	2960 * UG/KG	7660 * UG/KG
120 M	COBALT	1.6 UG/KG	BDL 0.97 UG/KG	BDL 0.93 UG/KG	8.8 UG/KG
121 M	MAGNESIUM	13200 UG/KG	13800 UG/KG	41600 * UG/KG	74100 * UG/KG
129 M	CALCIUM	38200 UG/KG	29800 UG/KG	76700 * UG/KG	119000 * UG/KG
130 M	SODIUM	730 UG/KG	476 UG/KG	969 UG/KG	3900 UG/KG
131 M	POTASSIUM	814 UG/KG	BDL 500 UG/KG	BDL 553 UG/KG	3210 UG/KG
	V.O.C. LAB I.D. #	142890	142891	142892	142904
203 V	BENZENE	2.6 J ug/kg	2.1 J ug/kg	1.8 J ug/kg	BDL 7.2 ug/kg
205 V	BROMOFORM	BDL 7.4 ug/kg	BDL 6.2 ug/kg	BDL 6 ug/kg	BDL 7.2 ug/kg
206 V	CARBON TETRACHLORIDE	BDL 7.4 ug/kg	BDL 6.2 ug/kg	BDL 6 ug/kg	BDL 7.2 ug/kg
207 V	CHLOROBENZENE	BDL 7.4 ug/kg	BDL 6.2 ug/kg	BDL 6 ug/kg	BDL 7.2 ug/kg
208 V	DIBROMOCHLOROMETHANE	BDL 7.4 ug/kg	BDL 6.2 ug/kg	BDL 6 ug/kg	BDL 7.2 ug/kg
209 V	CHLOROETHANE	BDL 15 ug/kg	BDL 12 ug/kg	BDL 12 ug/kg	BDL 14 ug/kg
210 V	2-CHLOROETHYLVINYLETHER	BDL 15 ug/kg	BDL 12 ug/kg	BDL 12 ug/kg	BDL 14 ug/kg
211 V	CHLOROFORM	2.2 J ug/kg	5.2 J ug/kg	4 J ug/kg	1.7 J ug/kg
212 V	BROMODICHLOROMETHANE	BDL 7.4 ug/kg	BDL 6.2 ug/kg	BDL 6 ug/kg	BDL 7.2 ug/kg
214 V	1,1-DICHLOROETHANE	BDL 7.4 ug/kg	BDL 6.23 ug/kg	BDL 6 ug/kg	BDL 7.2 ug/kg
215 V	1,2-DICHLOROETHANE	BDL 7.4 ug/kg	BDL 6.2 ug/kg	BDL 6 ug/kg	BDL 7.2 ug/kg
216 V	1,1-DICHLOROETHENE	BDL 7.4 ug/kg	BDL 6.2 ug/kg	BDL 6 ug/kg	BDL 7.2 ug/kg
217 V	1,2-DICHLOROPROPANE	BDL 7.4 ug/kg	BDL 6.2 ug/kg	BDL 6 ug/kg	BDL 7.2 ug/kg
218 V	CIS-1,3-DICHLOROPROPENE	BDL 7.4 ug/kg	BDL 6.2 ug/kg	BDL 6 ug/kg	BDL 7.2 ug/kg
219 V	ETHYLBENZENE	BDL 7.4 ug/kg	BDL 6.2 ug/kg	BDL 6 ug/kg	BDL 7.2 ug/kg
220 V	BROMOMETHANE	BDL 15 ug/kg	BDL 12 ug/kg	BDL 12 ug/kg	BDL 14 ug/kg

AR300519

		SITE	86021		86021		86021		86021	
		POINT	SEDIMENT		SEDIMENT		SEDIMENT		SEDIMENT	
		SAMPLE	SED-7 DUP		SED-8		SED-9		SED-10	
		DATE	07/23/87		07/23/87		07/23/87		07/23/87	
		DEPTH	0		0		0		0	
		MATRIX	SE		SE		SE		SE	
CMPD	CL	CMPD-DESC								
221	V	CHLOROMETHANE	BDL	15 ug/kg	BDL	12 ug/kg	BDL	12 ug/kg	BDL	14 ug/kg
222	V	METHYLENE CHLORIDE	18	B ug/kg	43	B ug/kg	23	B ug/kg	20	B ug/kg
223	V	1,1,2,2-TETRACHLOROETHANE	BDL	7.4 ug/kg	BDL	6.2 ug/kg	BDL	6 ug/kg	BDL	7.2 ug/kg
224	V	TETRACHLOROETHENE	BDL	7.4 ug/kg	BDL	6.2 ug/kg	BDL	6 ug/kg	BDL	7.2 ug/kg
225	V	TOLUENE	BDL	7.4 ug/kg	BDL	6.2 ug/kg	BDL	6 ug/kg	BDL	7.2 ug/kg
226	V	TRANS-1,2-DICHLOROETHENE	BDL	7.4 ug/kg	BDL	6.2 ug/kg	BDL	6 ug/kg	BDL	7.2 ug/kg
227	V	1,1,1-TRICHLOROETHANE	BDL	7.4 ug/kg	BDL	6.2 ug/kg	BDL	6 ug/kg	BDL	7.2 ug/kg
228	V	1,1,2-TRICHLOROETHANE	BDL	7.4 ug/kg	BDL	6.2 ug/kg	BDL	6 ug/kg	BDL	7.2 ug/kg
229	V	TRICHLOROETHENE	BDL	7.4 ug/kg	BDL	6.2 ug/kg	BDL	6 ug/kg	BDL	7.2 ug/kg
231	V	VINYL CHLORIDE	BDL	15 ug/kg	BDL	12 ug/kg	BDL	12 ug/kg	BDL	14 ug/kg
250	V	TRANS-1,3-DICHLOROPROPENE	BDL	7.4 ug/kg	BDL	6.2 ug/kg	BDL	6 ug/kg	BDL	7.2 ug/kg
251	V	STYRENE	BDL	7.4 ug/kg	BDL	6.2 ug/kg	BDL	6 ug/kg	BDL	7.2 ug/kg
252	V	ACETONE	12	B ug/kg	11	J B ug/kg	14	B ug/kg	13	J B ug/kg
253	V	2-BUTANONE	BDL	15 ug/kg	BDL	12 ug/kg	BDL	12 ug/kg	BDL	14 ug/kg
254	V	CARBON-DISULFIDE	BDL	7.4 ug/kg	BDL	6.2 ug/kg	BDL	6 ug/kg	BDL	7.2 ug/kg
255	V	2-HEXANONE	BDL	15 ug/kg	BDL	12 ug/kg	BDL	12 ug/kg	BDL	14 ug/kg
256	V	4-METHYL-2-PENTANONE	BDL	15 ug/kg	BDL	12 ug/kg	BDL	12 ug/kg	BDL	14 ug/kg
257	V	VINYL ACETATE	BDL	15 ug/kg	BDL	12 ug/kg	BDL	12 ug/kg	BDL	14 ug/kg
289	V	XYLENES (TOTAL)	BDL	7.4 ug/kg	BDL	6.2 ug/kg	BDL	6 ug/kg	BDL	7.2 ug/kg
		ACID EXTRACT/ BASE NEUT. LAB ID #	142890		142891		142892		142904	
		==========	======		======		======		======	
401	B	ACENAPHTHENE	1900	ug/kg	660	J ug/kg	400	J ug/kg	BDL	14 ug/kg
402	B	ACENAPHTHYLENE	BDL	1000 ug/kg	BDL	850 ug/kg	BDL	820 ug/kg	110	J ug/kg
403	B	ANTHRACENE	2900	ug/kg	960	ug/kg	880	ug/kg	160	J ug/kg
405	B	BENZO(A)ANTHRACENE	10000	ug/kg	3100	ug/kg	2400	ug/kg	340	J ug/kg
406	B	BENZO(A)PYRENE	8800	ug/kg	2200	ug/kg	1900	ug/kg	950	J ug/kg
407	B	BENZO(B)FLUORANTHENE	16000	ug/kg	5700	ug/kg	2100	ug/kg	2000	ug/kg
408	B	BENZO(G,H,I)PERYLENE	2200	ug/kg	540	J ug/kg	520	ug/kg	410	J ug/kg
409	B	BENZO(K)FLUORANTHENE	16000	ug/kg	5700	ug/kg	2100	ug/kg	2000	ug/kg
410	B	BIS(-2-CHLOROETHOXY)METHANE	BDL	1000 ug/kg	BDL	850 ug/kg	BDL	820 ug/kg	BDL	980 ug/kg
411	B	BIS(-2-CHLOROETHYL)ETHER	BDL	1000 ug/kg	BDL	850 ug/kg	BDL	820 ug/kg	BDL	980 ug/kg
412	B	BIS(2-CHLOROISOPROPYL)ETHER	BDL	1000 ug/kg	BDL	850 ug/kg	BDL	820 ug/kg	BDL	980 ug/kg
413	B	BIS(2-ETHYLHEXYL)PHTHALATE	1700	ug/kg	780	J ug/kg	900	ug/kg	1900	ug/kg
414	B	4-BROMOPHENYL-PHENYLETHER	BDL	1000 ug/kg	BDL	850 ug/kg	BDL	820 ug/kg	BDL	980 ug/kg
415	B	BUTYLBENZYLPHTHALATE	260	J ug/kg	130	J ug/kg	BDL	820 ug/kg	1800	ug/kg
416	B	2-CHLORONAPHTHALENE	BDL	1000 ug/kg	BDL	850 ug/kg	BDL	820 ug/kg	BDL	980 ug/kg
417	B	4-CHLOROPHENYL-PHENYLETHER	BDL	1000 ug/kg	BDL	850 ug/kg	BDL	820 ug/kg	BDL	980 ug/kg
418	B	CHRYSENE	9900	ug/kg	2700	ug/kg	2600	ug/kg	550	J ug/kg
419	B	DIBENZ(A,H)ANTHRACENE	1100	ug/kg	BDL	850 ug/kg	270	ug/kg	150	J ug/kg
420	B	1,2-DICHLOROBENZENE	BDL	1000 ug/kg	BDL	850 ug/kg	BDL	820 ug/kg	BDL	980 ug/kg
421	B	1,3-DICHLOROBENZENE	BDL	1000 ug/kg	BDL	850 ug/kg	BDL	820 ug/kg	BDL	980 ug/kg
422	B	1,4-DICHLOROBENZENE	BDL	1000 ug/kg	BDL	850 ug/kg	BDL	820 ug/kg	BDL	980 ug/kg
423	B	3,3'-DICHLOROBENZIDINE	BDL	2000 ug/kg	BDL	1700 ug/kg	BDL	1600 ug/kg	BDL	2000 ug/kg
424	B	DIETHYLPHTHALATE	BDL	1000 ug/kg	BDL	850 ug/kg	BDL	820 ug/kg	BDL	980 ug/kg

		SITE	84021		84021		84021		84021	
		POINT	SEDIMENT		SEDIMENT		SEDIMENT		SEDIMENT	
		SAMPLE	SED-7 DUP		SED-8		SED-9		SED-10	
		DATE	07/23/87		07/23/87		07/23/87		07/23/87	
		DEPTH	0		0		0		0	
		MATRIX	SE		SE		SE		SE	
CMPD	CL	CMPD-DESC								
425	B	DIMETHYL PHTHALATE	BDL	1000 ug/kg	BDL	850 ug/kg	BDL	820 ug/kg	BDL	980 ug/kg
426	B	DI-N-BUTYLPHTHALATE	120	J ug/kg	BDL	850 ug/kg	160	J ug/kg	BDL	980 ug/kg
427	B	2,4-DINITROTOLUENE	BDL	1000 ug/kg	BDL	850 ug/kg	BDL	820 ug/kg	BDL	980 ug/kg
428	B	2,6-DINITROTOLUENE	BDL	1000 ug/kg	BDL	850 ug/kg	BDL	820 ug/kg	BDL	980 ug/kg
429	B	DI-N-OCTYL PHTHALATE	180	J ug/kg	BDL	850 ug/kg	BDL	820 ug/kg	BDL	980 ug/kg
431	B	FLUORANTHENE	25000	D ug/kg	800	J ug/kg	7100	ug/kg	600	J ug/kg
432	B	FLUORENE	2500	ug/kg	BDL	850 ug/kg	520	J ug/kg	BDL	980 ug/kg
433	B	HEXACHLOROBENZENE	BDL	1000 ug/kg	BDL	850 ug/kg	BDL	820 ug/kg	BDL	980 ug/kg
434	B	HEXACHLOROBUTADIENE	BDL	1000 ug/kg	BDL	850 ug/kg	BDL	820 ug/kg	BDL	980 ug/kg
435	B	HEXACHLOROCYCLOPENTADIENE	BDL	1000 ug/kg	BDL	850 ug/kg	BDL	820 ug/kg	BDL	980 ug/kg
436	B	HEXACHLOROETHANE	BDL	1000 ug/kg	BDL	850 ug/kg	BDL	820 ug/kg	BDL	980 ug/kg
437	B	INDENO(1,2,3-CD)PYRENE	2600	ug/kg	630	J ug/kg	640	ug/kg	440	J ug/kg
438	B	ISOPHORONE	BDL	1000 ug/kg	BDL	850 ug/kg	BDL	820 ug/kg	BDL	980 ug/kg
439	B	NAPHTHALENE	240	J ug/kg	200	J ug/kg	BDL	820 ug/kg	BDL	980 ug/kg
440	B	NITROBENZENE	BDL	1000 ug/kg	BDL	850 ug/kg	BDL	820 ug/kg	BDL	980 ug/kg
442	B	N-NITROSO-DI-N-PROPYLAMINE	BDL	1000 ug/kg	BDL	850 ug/kg	BDL	820 ug/kg	BDL	980 ug/kg
443	B	N-NITROSODIPHENYLAMINE(1)	BDL	1000 ug/kg	BDL	850 ug/kg	BDL	820 ug/kg	BDL	980 ug/kg
444	B	PHENANTHRENE	20000	D ug/kg	6400	ug/kg	5400	ug/kg	210	J ug/kg
445	B	PYRENE	17000	ug/kg	4900	ug/kg	3600	ug/kg	580	J ug/kg
446	B	1,2,4-TRICHLOROBENZENE	BDL	1000 ug/kg	BDL	850 ug/kg	BDL	820 ug/kg	BDL	980 ug/kg
474	B	BENZYL ALCOHOL	BDL	1000 ug/kg	BDL	850 ug/kg	BDL	820 ug/kg	BDL	980 ug/kg
475	B	4-CHLOROANILINE	BDL	1000 ug/kg	BDL	850 ug/kg	BDL	820 ug/kg	BDL	980 ug/kg
476	B	DIBENZOFURAN	1300	ug/kg	440	J ug/kg	250	J ug/kg	BDL	980 ug/kg
477	B	2-METHYLNAPHTHALENE	240	J ug/kg	94	J ug/kg	BDL	820 ug/kg	BDL	980 ug/kg
478	B	2-NITROANILINE	BDL	5000 ug/kg	BDL	4300 ug/kg	BDL	4100 ug/kg	BDL	4900 ug/kg
479	B	3-NITROANILINE	BDL	5000 ug/kg	BDL	4300 ug/kg	BDL	4100 ug/kg	BDL	4900 ug/kg
480	B	4-NITROANILINE	BDL	5000 ug/kg	BDL	4300 ug/kg	BDL	4100 ug/kg	BDL	4900 ug/kg
601	A	2-CHLOROPHENOL	BDL	1000 ug/kg	BDL	850 ug/kg	BDL	820 ug/kg	BDL	980 ug/kg
602	A	2,4-DICHLOROPHENOL	BDL	1000 ug/kg	BDL	850 ug/kg	BDL	820 ug/kg	BDL	980 ug/kg
603	A	2,4-DIMETHYLPHENOL	BDL	1000 ug/kg	BDL	850 ug/kg	BDL	820 ug/kg	BDL	980 ug/kg
604	A	4,6-DINITRO-2-METHYLPHENOL	BDL	5000 ug/kg	BDL	4300 ug/kg	BDL	4100 ug/kg	BDL	4900 ug/kg
605	A	2,4-DINITROPHENOL	BDL	5000 ug/kg	BDL	4300 ug/kg	BDL	4100 ug/kg	BDL	4900 ug/kg
606	A	2-NITROPHENOL	BDL	1000 ug/kg	BDL	850 ug/kg	BDL	820 ug/kg	BDL	980 ug/kg
607	A	4-NITROPHENOL	BDL	5000 ug/kg	BDL	4300 ug/kg	BDL	4100 ug/kg	BDL	4900 ug/kg
608	A	4-CHLORO-3-METHYLPHENOL	BDL	1000 ug/kg	BDL	850 ug/kg	BDL	820 ug/kg	BDL	980 ug/kg
609	A	PENTACHLOROPHENOL	BDL	5000 ug/kg	BDL	4300 ug/kg	BDL	4100 ug/kg	8700	ug/kg
610	A	PHENOL	BDL	1000 ug/kg	BDL	850 ug/kg	BDL	820 ug/kg	BDL	980 ug/kg
611	A	2,4,6-TRICHLOROPHENOL	BDL	1000 ug/kg	BDL	850 ug/kg	BDL	820 ug/kg	BDL	980 ug/kg
620	A	2-METHYLPHENOL	BDL	1000 ug/kg	BDL	850 ug/kg	BDL	820 ug/kg	BDL	980 ug/kg
622	A	4-METHYLPHENOL	BDL	1000 ug/kg	BDL	850 ug/kg	BDL	820 ug/kg	100	J ug/kg
625	A	BENZOIC ACID	BDL	5000 ug/kg	BDL	4300 ug/kg	BDL	4100 ug/kg	BDL	4900 ug/kg
626	A	2,4,5-TRICHLOROPHENOL	BDL	5000 ug/kg	BDL	4300 ug/kg	BDL	4100 ug/kg	BDL	4900 ug/kg
		PESTICIDES / PCB'S LAB ID #	142890		142891		142892		142904	

	SITE	86021	86021	86021	86021
	POINT	SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT
	SAMPLE	SED-7 DUP	SED-8	SED-9	SED-10
	DATE	07/23/87	07/23/87	07/23/87	07/23/87
	DEPTH	0	0	0	0
	MATRIX	SE	SE	SE	SE
CMPD CL	CMPD-DESC				
701 P	ALDRIN	BDL 12 ug/kg	BDL 10 ug/kg	BDL 9.7 ug/kg	BDL 23 ug/kg
702 P	ALPHA-BHC	BDL 12 ug/kg	BDL 10 ug/kg	BDL 9.7 ug/kg	BDL 23 ug/kg
703 P	BETA-BHC	BDL 12 ug/kg	BDL 10 ug/kg	BDL 9.7 ug/kg	BDL 23 ug/kg
704 P	GAMMA-BHC	BDL 12 ug/kg	BDL 10 ug/kg	BDL 9.7 ug/kg	BDL 23 ug/kg
705 P	DELTA-BHC	BDL 12 ug/kg	BDL 10 ug/kg	BDL 9.7 ug/kg	BDL 23 ug/kg
706 P	CHLORDANE	150 ug/kg	170 ug/kg	330 ug/kg	BDL 230 ug/kg
707 P	4,4'-DDT	BDL 24 ug/kg	BDL 20 ug/kg	BDL 19 ug/kg	BDL 46 ug/kg
708 P	4,4'-DDE	BDL 24 ug/kg	BDL 20 ug/kg	BDL 19 ug/kg	BDL 46 ug/kg
709 P	4,4'-DDD	BDL 24 ug/kg	BDL 20 ug/kg	BDL 19 ug/kg	BDL 465 ug/kg
710 P	DIELDRIN	BDL 24 ug/kg	BDL 20 ug/kg	BDL 19 ug/kg	BDL 46 ug/kg
711 P	ALPHA-ENDOSULFAN	BDL 12 ug/kg	BDL 10 ug/kg	BDL 9.7 ug/kg	BDL 23 ug/kg
712 P	BETA-ENDOSULFAN	BDL 24 ug/kg	BDL 20 ug/kg	BDL 19 ug/kg	BDL 46 ug/kg
713 P	ENDOSULFAN SULFATE	BDL 24 ug/kg	BDL 20 ug/kg	BDL 19 ug/kg	BDL 46 ug/kg
714 P	ENDRIN	BDL 24 ug/kg	BDL 20 ug/kg	BDL 19 ug/kg	BDL 46 ug/kg
716 P	HEPTACHLOR	BDL 12 ug/kg	BDL 10 ug/kg	BDL 9.7 ug/kg	BDL 23 ug/kg
717 P	HEPTACHLOR EPOXIDE	BDL 12 ug/kg	BDL 10 ug/kg	BDL 9.7 ug/kg	BDL 23 ug/kg
718 P	PCB-1242	BDL 120 ug/kg	BDL 100 ug/kg	BDL 97 ug/kg	BDL 230 ug/kg
719 P	PCB-1254	BDL 240 ug/kg	BDL 200 ug/kg	BDL 190 ug/kg	BDL 460 ug/kg
720 P	PCB-1221	BDL 120 ug/kg	BDL 100 ug/kg	BDL 97 ug/kg	BDL 230 ug/kg
721 P	PCB-1232	BDL 120 ug/kg	BDL 100 ug/kg	BDL 97 ug/kg	BDL 230 ug/kg
722 P	PCB-1248	BDL 120 ug/kg	BDL 100 ug/kg	BDL 97 ug/kg	BDL 230 ug/kg
723 P	PCB-1260	BDL 240 ug/kg	BDL 200 ug/kg	BDL 190 ug/kg	BDL 460 ug/kg
724 P	PCB-1016	BDL 120 ug/kg	BDL 100 ug/kg	BDL 97 ug/kg	BDL 230 ug/kg
725 P	TOXAPHENE	BDL 240 ug/kg	BDL 200 ug/kg	BDL 190 ug/kg	BDL 460 ug/kg
726 P	P,P'-METHOXYCHLOR	BDL 120 ug/kg	BDL 100 ug/kg	BDL 97 ug/kg	BDL 230 ug/kg
739 P	ENDRIN KETONE	BDL 24 ug/kg	BDL 20 ug/kg	BDL 19 ug/kg	BDL 6 ug/kg
		142921	142922	142923	142929
		======	======	======	======
1001 C	CYANIDE	BDL 0.72 MG/KG	BDL 0.61 MG/KG	BDL 0.58 MG/KG	BDL 0.73 MG/KG
		142957	142967	142974	142975
		======	======	======	======
1033 C	OIL AND GREASE	1600 mg/kg	2400 mg/kg	840 mg/kg	8300 mg/kg
		142890	142891	142892	142904
		======	======	======	======
1047 C	PH	6.9 pH	7.35 pH	7.29 pH	7.19 pH
		142921	142922	142923	142929
		======	======	======	======
1080 C	PERCENT SOLIDS	69	82	86	69

R300522

SITE:	86021	86021	86021	86021	86021	86021	86021
POINT:	SED-1	SED-2	SED-3	SED-4	SED-5	SED-6	SED-6(DUP)
LAB ID #:	30892-6R1	30892-9	30892-3	30892-10RX2	30892-8	30892-1	30892-7
GC/MS DATE:	9-10-87	9-10-87	9-10-87	9-10-87	9-10-87	9-10-87	9-10-87
MATRIX:	SED	SED	SED	SED	SED	SED	SED
CDP NAME							
TCDD	BDL 0.016 ppt	BDL 0.017 ppt	BDL 0.016 ppt	BDL 0.009 ppt	BDL 0.019 ppt	BDL 0.051 ppt	BDL 0.038 ppt
2378 TCDD	BDL 0.016 ppt	BDL 0.017 ppt	BDL 0.016 ppt	BDL 0.009 ppt	BDL 0.019 ppt	BDL 0.051 ppt	BDL 0.038 ppt
PnCDD	BDL 0.042 ppt	BDL 0.025 ppt	BDL 0.058 ppt	BDL 0.04 ppt	BDL 0.032 ppt	BDL 0.069 ppt	BDL 0.05 ppt
12378 PnCDD							
HxCDD	1.0 ppt	BDL 0.097 ppt	2.0 ppt	0.13 ppt	0.94 ppt	BDL 0.02 ppt	BDL 0.094 ppt
123478 HxCDD							
123678 HxCDD							
123789 HxCDD							
HpCDD	14.6 ppt	0.26 ppt	25.5 ppt	5.7 ppt	7.4 ppt	1.8 ppt	1.9 ppt
1234678 HpCDD							
OCDD	62.1 ppt	11.1 ppt	90.5 ppt	19.6 ppt	30.9 ppt	7.6 ppt	7.5 ppt

AR300523

SITE:	86021	86021	86021	86021
POINT:	SED-7	SED-8	SED-9	SED-10
LAB ID #:	30892-11	30892-4	30892-2	30892-5
GC/MS DATE:	9-10-87	9-10-87	9-10-87	9-10-87
MATRIX:	SED	SED	SED	SED
COP NAME				
TCDD	BDL 0.026 ppt	BDL 0.036 ppt	BDL 0.012 ppt	BDL ? ppt
2378 TCDD	BDL 0.026 ppt	BDL 0.036 ppt	BDL 0.012 ppt	0.15 ppt
PnCDD	BDL 0.034 ppt	BDL 0.092 ppt	BDL 0.048 ppt	3.4 ppt
12378 PnCDD				3.5 ppt
HxCDD	BDL 0.054 ppt	BDL 0.044 ppt	BDL 0.06 ppt	80.4 ppt
123478 HxCDD				8.6 ppt
123678 HxCDD				26.7 ppt
123789 HxCDD				21.3 ppt
HpCDD	0.65 ppt	0.16 ppt	0.27 ppt	422 ppt
1234678 HpCDD				630 ppt
OCDD	2.3 ppt	1.5 ppt	1.3 ppt	2546 ppt

AR300524

SITE:	86021	86021	86021	86021	86021	86021	86021
POINT:	SED-1	SED-2	SED-3	SED-4	SED-5	SED-6	SE-6(DUP)
LAB ID #:	30892-6R1	30892-9	30892-3	30892-10RX	30892-8	30892-1	30892-7
GC/MS DATE:	9-10-87	9-10-87	9-10-87	9-10-87	910-87	9-10-87	9-10-87
MATIRX:	SED	SED	SED	SED	SED	SED	SED
CDP NAME							
TCDF	BDL 0.014 ppt	BDL 0.0084 ppt	BDL 0.012 ppt	BDL 0.023 ppt	BDL 0.032 ppt	BDL 0.026 ppt	BDL 0.02 ppt
2378 TCDF	BDL 0.014 ppt	BDL 0.0084 ppt	BDL 0.012 ppt	BDL 0.023 ppt	BDL 0.032 ppt	BDL 0.026 ppt	BDL 0.02 ppt
PnCDF	BDL 0.029 ppt	BDL 0.016 ppt	0.065 ppt	BDL 0.046 ppt	BDL 0.027 ppt	BDL 0.063 ppt	BDL 0.046 ppt
12378 PnCDF							
23478 PnCDF							
HxCDF	2.0 ppt	BDL 0.022 ppt	3.5 ppt	0.083 ppt	0.54 ppt	BDL 0.14 ppt	0.19 ppt
123478 HxCDF							
123678 HxCDF							
123789 HxCDF							
234678 HxCDF							
HpCDF	14.6 ppt	0.025 ppt	25 ppt	5.5 ppt	3.9 ppt	0.80 ppt	0.82 ppt
1234678 HpCDF							
1234789 HpCDF							
OCDF	20.9 ppt	0.32 ppt	38.6 ppt	7.1 ppt	5.4 ppt	1.1 ppt	0.95 ppt

(* MPC)
(** POSSIBLE DPE INTERFERENCE)

AR300525

SITE:	B6021	B6021	B6021	B6021
POINT:	SED-7	SED-8	SED-9	SED-10
LAB ID #:	30892-11	30892-4	30892-2	30892-5
GC/MS DATE:	9-10-87	9-10-87	9-10-87	9-10-87
MATIRX:	SED	SED	SED	SED
COP NAME				
TCDF	BDL 0.026 ppt	BDL 0.028 ppt	BDL 0.015 ppt	0.13 ppt
2378 TCDF	BDL 0.026 ppt	BDL 0.028 ppt	BDL 0.015 ppt	BDL 0.06 ppt
PnCDF	BDL 0.036 ppt	BDL 0.081 ppt	BDL 0.037 ppt	1106 ppt
12378 PnCDF				0.74 ppt
23478 PnCDF				0.51 * ppt
HxCDF	BDL 0.037 ppt	BDL 0.047 ppt	BDL 0.022 ppt	178 ppt
123478 HxCDF				3.5 ** ppt
123678 HxCDF				3.5 ppt
123789 HxCDF				0.55 ppt
234678 HxCDF				4.1 ppt
HpCDF	0.25 ppt	BDL 0.015 ppt	BDL 0.11 ppt	429 ppt
1234678 HpCDF				192 ppt
1234789 HpCDF				7.7 ppt
OCDF	BDL 0.39 ppt	BDL 0.30 ppt	BDL 0.15 ppt	973 ppt

(* MPC)
(** POSSIBLE DPE INTERFERENCE)

AR300526

2.4 Surface Water Sample Results

CMPD CL	CMPD-DESC															
	SITE	86021		86021		86021		86021		86021		86021		86021		
	POINT	SURF WAT		SURF WAT		SURF WAT		SURF WAT		SURF WAT		SURF WAT		SURF WAT		
	SAMPLE	SW-1		SW-2		SW-3		SW-4		SW-5		SW-6		SW-7		
	DATE	07/24/87		07/24/87		07/24/87		07/24/87		07/24/87		07/24/87		07/24/87		
	DEPTH	0		0		0		0		0		0		0		
	MATRIX	WA		WA		WA		WA		WA		WA		WA		
	METALS LAB ID #	143081		143024		143025		143026		143027		143028		143029		
101 M	ANTIMONY	BDL	50 UG/L	BDL	50 UG/L	BDL	50 UG/L	BDL	50 UG/L	BDL	50 UG/L	BDL	50 UG/L	BDL	50 UG/L	
102 M	ARSENIC	BDL	2.3 UG/L	BDL	2.3 UG/L	BDL	2.3 UG/L	BDL	2.3 UG/L	BDL	2.3 UG/L	BDL	2.3 UG/L	BDL	2.3 UG/L	
103 M	BERYLLIUM	BDL	1 UG/L	BDL	1 UG/L	BDL	1 UG/L	BDL	1 UG/L	BDL	1 UG/L	BDL	1 UG/L	BDL	1 UG/L	
104 M	CADMIUM	BDL	4 UG/L	BDL	4 UG/L	BDL	4 UG/L	BDL	4 UG/L	BDL	4 UG/L	BDL	4 UG/L	BDL	4 UG/L	
105 M	CHROMIUM	BDL	10 UG/L	BDL	10 UG/L	BDL	10 UG/L	BDL	10 UG/L	BDL	10 UG/L	BDL	10 UG/L	BDL	10 UG/L	
106 M	COPPER	8.8	UG/L	11	UG/L	10	UG/L	10	UG/L	6.4	UG/L	21	UG/L	22	UG/L	
107 M	LEAD	2.2	N F UG/L	3.5	N F UG/L	2.9	N F UG/L	2	N F UG/L	5.2	N F UG/L	4.1	N F UG/L	1.4	N F UG/L	
108 M	MERCURY	BDL	0.2 UG/L	BDL	0.2 UG/L	BDL	0.2 UG/L	2.6	N CV UG/L	BDL	0.2 UG/L	BDL	0.2 UG/L	BDL	0.2 UG/L	
109 M	NICKEL	BDL	32 UG/L	BDL	32 UG/L	BDL	32 UG/L	BDL	32 UG/L	BDL	32 UG/L	BDL	32 UG/L	BDL	32 UG/L	
110 M	SELENIUM	BDL	7.5 UG/L	BDL	7.5 UG/L	BDL	7.5 UG/L	BDL	7.5 UG/L	BDL	7.5 UG/L	BDL	1.5 UG/L	BDL	7.5 UG/L	
111 M	SILVER	BDL	9 UG/L	BDL	9 UG/L	BDL	9 UG/L	BDL	9 UG/L	BDL	9 UG/L	BDL	9 UG/L	21	UG/L	
112 M	THALLIUM	BDL	1.4 UG/L	2.4	F UG/L	2.9	F UG/L	2.3	UG/L	2.8	UG/L	BDL	1.4 UG/L	BDL	1.4 UG/L	
113 M	ZINC	503	UG/L	96	UG/L	100	UG/L	108	UG/L	95	UG/L	78	UG/L	70	UG/L	
114 M	BARIUM	55	E UG/L	54	E UG/L	54	E UG/L	50	E UG/L	71	E UG/L	34	E UG/L	34	E UG/L	
115 M	IRON	2570	UG/L	2560	UG/L	2820	UG/L	2710	UG/L	15100	UG/L	59	UG/L	37	UG/L	
116 M	MANGANESE	2630	UG/L	2560	UG/L	2720	UG/L	2720	UG/L	16300	UG/L	64	UG/L	68	UG/L	
117 M	VANADIUM	7.2	UG/L	7.2	UG/L	7.5	UG/L	8.1	UG/L	9	UG/L	9	UG/L	9.6	UG/L	
118 M	ALUMINUM	BDL	57 UG/L	BDL	57 UG/L	BDL	57 UG/L	BDL	57 UG/L	114	UG/L	BDL	57 UG/L	BDL	57 UG/L	
120 M	COBALT	16	UG/L	15	UG/L	16	UG/L	17	UG/L	79	UG/L	BDL	5 UG/L	5.2	UG/L	
121 M	MAGNESIUM	12000	E UG/L	12100	E UG/L	12000	E UG/L	12000	E UG/L	16500	E UG/L	11600	E UG/L	11600	E UG/L	
129 M	CALCIUM	34400	UG/L	35100	UG/L	34400	UG/L	34500	UG/L	31400	UG/L	36900	UG/L	37100	UG/L	
130 M	SODIUM	29300	E UG/L	29400	E UG/L	28700	E UG/L	29100	E UG/L	37000	E UG/L	30400	E UG/L	30400	E UG/L	
131 M	POTASSIUM	5020	UG/L	3920	UG/L	3850	UG/L	3950	UG/L	5520	UG/L	4130	UG/L	4040	UG/L	
	V.O.C. LAB ID #	143034		143036		143046		143048		143049		143050		143051		
203 V	BENZENE	BDL	5.0 ug/l	3.8	J ug/l	9.5	ug/l	4.4	J ug/l	70	ug/l	BDL	5.0 ug/l	BDL	5.0 ug/l	
205 V	BROMOFORM	BDL	5.0 ug/l	BDL	5 ug/l	BDL	5.0 ug/l	BDL	5.0 ug/l	BDL	5.0 ug/l	BDL	5.0 ug/l	BDL	5.0 ug/l	
206 V	CARBON TETRACHLORIDE	BDL	5.0 ug/l	1.7	J ug/l	BDL	5.0 ug/l	BDL	5.0 ug/l	BDL	5.0 ug/l	BDL	5.0 ug/l	BDL	5.0 ug/l	
207 V	CHLOROBENZENE	BDL	5.0 ug/l	BDL	5.0 ug/l	BDL	5.0 ug/l	BDL	5.0 ug/l	BDL	5.0 ug/l	BDL	5.0 ug/l	BDL	5.0 ug/l	
208 V	DIBROMOCHLOROMETHANE	BDL	5.0 ug/l	BDL	5.0 ug/l	BDL	5.0 ug/l	BDL	5.0 ug/l	BDL	5.0 ug/l	BDL	5.0 ug/l	BDL	5.0 ug/l	
209 V	CHLOROETHANE	BDL	10 ug/l	BDL	10 ug/l	BDL	10 ug/l	BDL	10 ug/l	BDL	10 ug/l	BDL	10 ug/l	BDL	10 ug/l	
210 V	2-CHLOROETHYLVINYLETHER	BDL	10 ug/l	BDL	10 ug/l	BDL	10 ug/l	BDL	10 ug/l	1.9	J ug/l	BDL	10 ug/l	BDL	10 ug/l	
211 V	CHLOROFORM	BDL	5.0 ug/l	BDL	5.0 ug/l	BDL	5.0 ug/l	BDL	5.0 ug/l	BDL	5.0 ug/l	1.4	B ug/l	1.3	J ug/l	
212 V	BROMODICHLOROMETHANE	BDL	5.0 ug/l	BDL	5.0 ug/l	BDL	5.0 ug/l	BDL	5.0 ug/l	BDL	5.0 ug/l	BDL	5.0 ug/l	BDL	5.0 ug/l	
214 V	1,1-DICHLOROETHANE	BDL	5.0 ug/l	BDL	5.0 ug/l	BDL	5.0 ug/l	BDL	5.0 ug/l	BDL	5.0 ug/l	BDL	5.0 ug/l	BDL	5.0 ug/l	
215 V	1,2-DICHLOROETHANE	BDL	5.0 ug/l	BDL	5.0 ug/l	BDL	5.0 ug/l	BDL	5.0 ug/l	2.8	J ug/l	BDL	5.0 ug/l	BDL	5.0 ug/l	
216 V	1,1-DICHLOROETHENE	BDL	5.0 ug/l	BDL	5.0 ug/l	BDL	5.0 ug/l	BDL	5.0 ug/l	BDL	5.0 ug/l	BDL	5.0 ug/l	BDL	5.0 ug/l	
217 V	1,2-DICHLOROPROPANE	BDL	5.0 ug/l	BDL	5.0 ug/l	BDL	5.0 ug/l	BDL	5.0 ug/l	BDL	5.0 ug/l	BDL	5.0 ug/l	BDL	5.0 ug/l	
218 V	CIS-1,3-DICHLOROPROPENE	BDL	5.0 ug/l	BDL	5.0 ug/l	BDL	5.0 ug/l	BDL	5.0 ug/l	BDL	5.0 ug/l	BDL	5.0 ug/l	BDL	5.0 ug/l	
219 V	ETHYLBENZENE	BDL	5.0 ug/l	BDL	5.0 ug/l	BDL	5.0 ug/l	BDL	5.0 ug/l	BDL	5.0 ug/l	BDL	5.0 ug/l	BDL	5.0 ug/l	
220 V	BROMOMETHANE	BDL	10 ug/l	BDL	10 ug/l	BDL	10 ug/l	BDL	10 ug/l	BDL	10 ug/l	BDL	10 ug/l	BDL	10 ug/l	
221 V	CHLOROMETHANE	BDL	10 ug/l	BDL	10 ug/l	BDL	10 ug/l	BDL	10 ug/l	BDL	10 ug/l	BDL	10 ug/l	BDL	10 ug/l	

	SITE	86021	86021	86021	86021	86021	86021	86021
	POINT	SURF WAT	SURF WAT	SURF WAT	SURF WAT	SURF WAT	SURF WAT	SURF WAT
	SAMPLE	SW-1	SW-2	SW-3	SW-4	SW-5	SW-6	SW-7
	DATE	07/24/87	07/24/87	07/24/87	07/24/87	07/24/87	07/24/87	07/24/87
	DEPTH	0	0	0	0	0	0	0
	MATRIX	WA	WA	WA	WA	WA	WA	WA
CMPD CL	CMPD-DESC							
222 V	METHYLENE CHLORIDE	0.4 B ug/l	3.6 J B ug/l	2.9 J B ug/l	2.5 J B ug/l	1.7 J B ug/l	5.1 B ug/l	1.5 J B ug/l
223 V	1,1,2,2-TETRACHLOROETHANE	BDL 5.0 ug/l	BDL 5.0 ug/l	BDL 5.0 ug/l	BDL 5.0 ug/l	BDL 5.0 ug/l	BDL 5.0 ug/l	BDL 5.0 ug/l
224 V	TETRACHLOROETHENE	BDL 5.0 ug/l	BDL 5.0 ug/l	BDL 5.0 ug/l	BDL 5.0 ug/l	BDL 5.0 ug/l	BDL 5.0 ug/l	BDL 5.0 ug/l
225 V	TOLUENE	BDL 5.0 ug/l	BDL 5.0 ug/l	BDL 5.0 ug/l	BDL 5.0 ug/l	7.0 ug/l	BDL 5.0 ug/l	BDL 5.0 ug/l
226 V	TRANS-1,2-DICHLOROETHENE	BDL 5.0 ug/l	BDL 5.0 ug/l	BDL 5.0 ug/l	BDL 5.0 ug/l	9.1 ug/l	BDL 5.0 ug/l	BDL 5.0 ug/l
227 V	1,1,1-TRICHLOROETHANE	1.6 J ug/l	1.7 J ug/l	2.3 J ug/l	2.5 J ug/l	BDL 5.0 ug/l	BDL 5.0 ug/l	BDL 5.0 ug/l
228 V	1,1,2-TRICHLOROETHANE	BDL 5.0 ug/l	BDL 5.0 ug/l	BDL 5.0 ug/l	BDL 5.0 ug/l	BDL 5.0 ug/l	BDL 5.0 ug/l	BDL 5.0 ug/l
229 V	TRICHLOROETHENE	1.8 J ug/l	2.1 J ug/l	3.3 J ug/l	3.0 J ug/l	16 ug/l	BDL 5.0 ug/l	BDL 5.0 ug/l
231 V	VINYL CHLORIDE	BDL 10 ug/l	BDL 10 ug/l	BDL 10 ug/l	BDL 10 ug/l	BDL 10 ug/l	BDL 10 ug/l	BDL 10 ug/l
250 V	TRANS-1,3-DICHLOROPROPENE	BDL 5.0 ug/l	BDL 5.0 ug/l	BDL 5.0 ug/l	BDL 5.0 ug/l	BDL 5.0 ug/l	BDL 5.0 ug/l	BDL 5.0 ug/l
251 V	STYRENE	BDL 5.0 ug/l	BDL 5.0 ug/l	BDL 5.0 ug/l	BDL 5.0 ug/l	BDL 5.0 ug/l	BDL 5.0 ug/l	BDL 5.0 ug/l
252 V	ACETONE	16 ug/l	BDL 10 ug/l	BDL 10 ug/l	BDL 10 ug/l	18 ug/l	BDL 10 ug/l	BDL 10 ug/l
253 V	2-BUTANONE	BDL 10 ug/l	BDL 10 ug/l	BDL 10 ug/l	BDL 10 ug/l	BDL 10 ug/l	BDL 10 ug/l	BDL 10 ug/l
254 V	CARBON DISULFIDE	BDL 5.0 ug/l	BDL 5.0 ug/l	BDL 5.0 ug/l	BDL 5.0 ug/l	BDL 5.0 ug/l	BDL 5.0 ug/l	BDL 5.0 ug/l
255 V	2-HEXANONE	BDL 10 ug/l	BDL 10 ug/l	BDL 10 ug/l	BDL 10 ug/l	BDL 10 ug/l	BDL 10 ug/l	BDL 10 ug/l
256 V	4-METHYL-2-PENTANONE	BDL 10 ug/l	BDL 10 ug/l	BDL 10 ug/l	BDL 10 ug/l	BDL 10 ug/l	BDL 10 ug/l	BDL 10 ug/l
257 V	VINYL ACETATE	BDL 10 ug/l	BDL 10 ug/l	BDL 10 ug/l	BDL 10 ug/l	BDL 10 ug/l	BDL 10 ug/l	BDL 10 ug/l
289 V	XYLENES (TOTAL)	4.7 J ug/l	13 ug/l	22 ug/l	14 ug/l	180 ug/l	BDL 5.0 ug/l	BDL 5.0 ug/l
	ACID EXTRACT/ BASE NEUT. LAB ID #	143034	143036	143046	143048	143049	143050	143051
	==========	======	======	======	======	======	======	======
401 B	ACENAPHTHENE	BDL 20 ug/l	BDL 40 ug/l	BDL 20 ug/l	BDL 20 ug/l	6.6 J ug/l	BDL 20 ug/l	BDL 20 ug/l
402 B	ACENAPHTHYLENE	BDL 20 ug/l	BDL 40 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l
403 B	ANTHRACENE	BDL 20 ug/l	BDL 40 ug/l	2.2 J ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l
405 B	BENZO(A)ANTHRACENE	BDL 20 ug/l	BDL 40 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l
406 B	BENZO(A)PYRENE	BDL 20 ug/l	BDL 40 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l
407 B	BENZO(B)FLUORANTHENE	BDL 20 ug/l	BDL 40 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l
408 B	BENZO(G,H,I)PERYLENE	BDL 20 ug/l	BDL 40 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l
409 B	BENZO(K)FLUORANTHENE	BDL 20 ug/l	BDL 40 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l
410 B	BIS(-2-CHLOROETHOXY)METHANE	BDL 20 ug/l	BDL 40 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l
411 B	BIS(-2-CHLOROETHYL)ETHER	BDL 20 ug/l	BDL 40 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l
412 B	BIS(2-CHLOROISOPROPYL)ETHER	BDL 20 ug/l	BDL 40 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l
413 B	BIS(2-ETHYLHEXYL)PHTHALATE	BDL 20 ug/l	BDL 40 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	3 J ug/l
414 B	4-BROMOPHENYL-PHENYLETHER	BDL 20 ug/l	BDL 40 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l
415 B	BUTYLBENZYLPHTHALATE	BDL 20 ug/l	BDL 40 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l
416 B	2-CHLORONAPHTHALENE	BDL 20 ug/l	BDL 40 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l
417 B	4-CHLOROPHENYL-PHENYLETHER	BDL 20 ug/l	BDL 40 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l
418 B	CHRYSENE	BDL 20 ug/l	BDL 40 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l
419 B	DIBENZ(A,H)ANTHRACENE	BDL 20 ug/l	BDL 40 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l
420 B	1,2-DICHLOROBENZENE	BDL 20 ug/l	BDL 40 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l
421 B	1,3-DICHLOROBENZENE	BDL 20 ug/l	BDL 40 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l
422 B	1,4-DICHLOROBENZENE	BDL 20 ug/l	BDL 40 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l
423 B	3,3'-DICHLOROBENZIDINE	BDL 40 ug/l	BDL 80 ug/l	BDL 40 ug/l	BDL 40 ug/l	BDL 40 ug/l	BDL 40 ug/l	BDL 40 ug/l
424 B	DIETHYLPHTHALATE	BDL 20 ug/l	BDL 40 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l
425 B	DIMETHYL PHTHALATE	BDL 20 ug/l	BDL 40 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l

	SITE	86021		86021		86021		86021		86021		86021		86021	
	POINT	SURF WAT		SURF WAT		SURF WAT		SURF WAT		SURF WAT		SURF WAT		SURF WAT	
	SAMPLE	SW-1		SW-2		SW-3		SW-4		SW-5		SW-6		SW-7	
	DATE	07/24/87		07/24/87		07/24/87		07/24/87		07/24/87		07/24/87		07/24/87	
	DEPTH	0		0		0		0		0		0		0	
	MATRIX	WA		WA		WA		WA		WA		WA		WA	
CMPD CL	CMPD-DESC														
426 B	DI-N-BUTYLPHTHALATE	BDL	20 ug/l	BDL	40 ug/l	BDL	20 ug/l	BDL	20 ug/l	3.0	J ug/l	BDL	20 ug/l	BDL	20 ug/l
427 B	2,4-DINITROTOLUENE	BDL	20 ug/l	BDL	40 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
428 B	2,6-DINITROTOLUENE	BDL	20 ug/l	BDL	40 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
429 B	DI-N-OCTYL PHTHALATE	BDL	20 ug/l	BDL	40 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
431 B	FLUORANTHENE	BDL	20 ug/l	BDL	40 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
432 B	FLUORENE	BDL	20 ug/l	BDL	40 ug/l	BDL	20 ug/l	BDL	20 ug/l	11	J ug/l	BDL	20 ug/l	BDL	20 ug/l
433 B	HEXACHLOROBENZENE	BDL	20 ug/l	BDL	40 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
434 B	HEXACHLOROBUTADIENE	BDL	20 ug/l	BDL	40 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
435 B	HEXACHLOROCYCLOPENTADIENE	BDL	20 ug/l	BDL	40 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
436 B	HEXACHLOROETHANE	BDL	20 ug/l	BDL	40 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
437 B	INDENO(1,2,3-CD)PYRENE	BDL	20 ug/l	BDL	40 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
438 B	ISOPHORONE	BDL	20 ug/l	BDL	40 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
439 B	NAPHTHALENE	BDL	20 ug/l	BDL	40 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
440 B	NITROBENZENE	BDL	20 ug/l	BDL	40 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
442 B	N-NITROSO-DI-N-PROPYLAMINE	BDL	20 ug/l	BDL	40 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
443 B	N-NITROSODIPHENYLAMINE(1)	BDL	20 ug/l	BDL	40 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
444 B	PHENANTHRENE	BDL	20 ug/l	BDL	40 ug/l	BDL	20 ug/l	BDL	20 ug/l	17	J ug/l	BDL	20 ug/l	BDL	20 ug/l
445 B	PYRENE	BDL	20 ug/l	BDL	40 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
446 B	1,2,4-TRICHLOROBENZENE	BDL	20 ug/l	BDL	40 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
474 B	BENZYL ALCOHOL	BDL	20 ug/l	BDL	40 ug/l	BDL	20 ug/l	BDL	20 ug/l	2	J ug/l	BDL	20 ug/l	BDL	20 ug/l
475 B	4-CHLOROANILINE	BDL	20 ug/l	BDL	40 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
476 B	DIBENZOFURAN	BDL	20 ug/l	BDL	40 ug/l	BDL	20 ug/l	BDL	20 ug/l	5	J ug/l	BDL	20 ug/l	BDL	20 ug/l
477 B	2-METHYLNAPHTHALENE	BDL	20 ug/l	BDL	40 ug/l	2	J ug/l	BDL	20 ug/l	8.4	J ug/l	BDL	20 ug/l	BDL	20 ug/l
478 B	2-NITROANILINE	BDL	100 ug/l	BDL	200 ug/l	BDL	100 ug/l	BDL	100 ug/l	BDL	100 ug/l	BDL	100 ug/l	BDL	100 ug/l
479 B	3-NITROANILINE	BDL	100 ug/l	BDL	200 ug/l	BDL	100 ug/l	BDL	100 ug/l	BDL	100 ug/l	BDL	100 ug/l	BDL	100 ug/l
480 B	4-NITROANILINE	BDL	100 ug/l	BDL	200 ug/l	BDL	100 ug/l	BDL	100 ug/l	BDL	100 ug/l	BDL	100 ug/l	BDL	100 ug/l
601 A	2-CHLOROPHENOL	BDL	20 ug/l	BDL	40 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
602 A	2,4-DICHLOROPHENOL	BDL	20 ug/l	BDL	40 ug/l	BDL	20 ug/l	BDL	20 ug/l	19	J ug/l	BDL	20 ug/l	BDL	20 ug/l
603 A	2,4-DIMETHYLPHENOL	BDL	20 ug/l	BDL	40 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
604 A	4,6-DINITRO-2-METHYLPHENOL	BDL	100 ug/l	BDL	200 ug/l	BDL	100 ug/l	BDL	100 ug/l	BDL	100 ug/l	BDL	100 ug/l	BDL	100 ug/l
605 A	2,4-DINITROPHENOL	BDL	100 ug/l	BDL	200 ug/l	BDL	100 ug/l	BDL	100 ug/l	BDL	100 ug/l	BDL	100 ug/l	BDL	100 ug/l
606 A	2-NITROPHENOL	BDL	20 ug/l	BDL	40 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
607 A	4-NITROPHENOL	BDL	100 ug/l	BDL	200 ug/l	BDL	100 ug/l	BDL	100 ug/l	BDL	100 ug/l	BDL	100 ug/l	BDL	100 ug/l
608 A	4-CHLORO-3-METHYLPHENOL	BDL	20 ug/l	BDL	40 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
609 A	PENTACHLOROPHENOL	230	ug/l	330	ug/l	120	ug/l	140	ug/l	660	ug/l	BDL	100 ug/l	BDL	100 ug/l
610 A	PHENOL	BDL	20 ug/l	BDL	40 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
611 A	2,4,6-TRICHLOROPHENOL	BDL	20 ug/l	BDL	40 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
620 A	2-METHYLPHENOL	BDL	20 ug/l	BDL	40 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
622 A	4-METHYLPHENOL	BDL	20 ug/l	BDL	40 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
625 A	BENZOIC ACID	BDL	100 ug/l	BDL	200 ug/l	BDL	100 ug/l	BDL	100 ug/l	BDL	100 ug/l	BDL	100 ug/l	BDL	100 ug/l
626 A	2,4,5-TRICHLOROPHENOL	BDL	100 ug/l	BDL	200 ug/l	BDL	100 ug/l	BDL	100 ug/l	BDL	100 ug/l	BDL	100 ug/l	BDL	100 ug/l
	PESTICIDES / PCB LAB ID #	143034		143036		143046		143048		143049		143050		143051	
	==========	======		======		======		======		======		======		======	
701 P	ALDRIN	BDL	0.05 ug/l	BDL	0.05 ug/l	BDL	0.05 ug/l	BDL	0.05 ug/l	BDL	0.10 ug/l	BDL	0.05 ug/l	BDL	0.05 ug/l

	SITE	86021	86021	86021	86021	86021	86021	86021
	POINT	SURF WAT	SURF WAT	SURF WAT	SURF WAT	SURF WAT	SURF WAT	SURF WAT
	SAMPLE	SW-1	SW-2	SW-3	SW-4	SW-5	SW-6	SW-7
	DATE	07/24/87	07/24/87	07/24/87	07/24/87	07/24/87	07/24/87	07/24/87
	DEPTH	0	0	0	0	0	0	0
	MATRIX	WA	WA	WA	WA	WA	WA	WA
CMPD CL	CMPD-DESC							
702 P	ALPHA-BHC	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.10 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l
703 P	BETA-BHC	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.10 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l
704 P	GAMMA-BHC	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.10 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l
705 P	DELTA-BHC	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.10 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l
706 P	CHLORDANE	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 1.0 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l
707 P	4,4'-DDT	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.20 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l
708 P	4,4'-DDE	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.20 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l
709 P	4,4'-DDD	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.20 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l
710 P	DIELDRIN	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.20 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l
711 P	ALPHA-ENDOSULFAN	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.10 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l
712 P	BETA-ENDOSULFAN	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.20 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l
713 P	ENDOSULFAN SULFATE	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.20 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l
714 P	ENDRIN	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.20 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l
716 P	HEPTACHLOR	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.10 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l
717 P	HEPTACHLOR EPOXIDE	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.10 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l
718 P	PCB-1242	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 1.0 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l
719 P	PCB-1254	BDL 1 ug/l	BDL 1 ug/l	BDL 1 ug/l	BDL 1 ug/l	BDL 2.0 ug/l	BDL 1 ug/l	BDL 1 ug/l
720 P	PCB-1221	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 1.0 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l
721 P	PCB-1232	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 1.0 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l
722 P	PCB-1248	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 1.0 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l
723 P	PCB-1260	BDL 1 ug/l	BDL 1 ug/l	BDL 1 ug/l	BDL 1 ug/l	BDL 2.0 ug/l	BDL 1 ug/l	BDL 1 ug/l
724 P	PCB-1016	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 1.0 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l
725 P	TOXAPHENE	BDL 1 ug/l	BDL 1 ug/l	BDL 1 ug/l	BDL 1 ug/l	BDL 2.0 ug/l	BDL 1 ug/l	BDL 1 ug/l
726 P	P,P'-METHOXYCHLOR	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 1.0 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l
739 P	ENDRIN KETONE	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.2 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l
		143081	143024	143025	143026	143027	143028	143029
		======	======	======	======	======	======	======
1001 C	CYANIDE	BDL 10 ug/l	BDL 10 ug/l	BDL 10 ug/l	BDL 10 ug/l	BDL 10 ug/l	BDL 10 ug/l	BDL 10 ug/l

AR300531

CMPD CL	CMPD-DESC											
		SITE	86021		86021		86021		86021			
		POINT	SURF WAT		SURF WAT		SURF WAT		SURF WAT			
		SAMPLE	SW-8		SW-9		SW-9 DUP		SW-10			
		DATE	07/24/87		07/24/87		07/24/87		07/24/87			
		DEPTH	0		0		0		0			
		MATRIX	WA		WA		WA		WA			
		METALS LAB ID #	143030		143031		143033		143032			
		==========	======		======		======		======			
101 M	ANTIMONY		BDL	50 UG/L	BDL	50 UG/L	BDL	50 UG/L	BDL	50 UG/L		
102 M	ARSENIC		BDL	2.3 UG/L	BDL	2.3 UG/L	BDL	2.3 UG/L	BDL	2.3 UG/L		
103 M	BERYLLIUM		BDL	1 UG/L	BDL	1 UG/L	BDL	1 UG/L	BDL	1 UG/L		
104 M	CADMIUM		BDL	4 UG/L	BDL	4 UG/L	BDL	4 UG/L	BDL	4 UG/L		
105 M	CHROMIUM		BDL	10 UG/L	BDL	10 UG/L	BDL	10 UG/L	BDL	10 UG/L		
106 M	COPPER		24	UG/L	27	UG/L	27	UG/L	20	UG/L		
107 M	LEAD		1	N F UG/L	1.7	N F UG/L	2.1	N F UG/L	2	N F UG/L		
108 M	MERCURY		BDL	0.2 UG/L	BDL	0.2 UG/L	BDL	0.2 UG/L	BDL	0.2 UG/L		
109 M	NICKEL		BDL	32 UG/L	BDL	32 UG/L	BDL	32 UG/L	BDL	32 UG/L		
110 M	SELENIUM		BDL	1.5 UG/L	BDL	1.5 UG/L	BDL	1.5 UG/L	BDL	7.5 UG/L		
111 M	SILVER		9.9	UG/L	BDL	9 UG/L	BDL	9 UG/L	BDL	9 UG/L		
112 M	THALLIUM		BDL	1.4 UG/L	BDL	1.4 UG/L	1.8	UG/L	BDL	1.4 UG/L		
113 M	ZINC		52	UG/L	326	UG/L	324	UG/L	44	UG/L		
114 M	BARIUM		31	E UG/L	31	E UG/L	31	E UG/L	34	E UG/L		
115 M	IRON		14	UG/L	257	UG/L	12	UG/L	150	UG/L		
116 M	MANGANESE		36	UG/L	31	UG/L	29	UG/L	85	UG/L		
117 M	VANADIUM		9.5	UG/L	9.9	UG/L	10	UG/L	9.8	UG/L		
118 M	ALUMINUM		BDL	57 UG/L	BDL	57 UG/L	BDL	57 UG/L	BDL	57 UG/L		
120 M	COBALT		5.4	UG/L	5.6	UG/L	5.5	UG/L	6.2	UG/L		
121 M	MAGNESIUM		11300	E UG/L	11400	E UG/L	11000	E UG/L	11000	E UG/L		
129 M	CALCIUM		35900	UG/L	35900	UG/L	35000	UG/L	36200	UG/L		
130 M	SODIUM		30100	E UG/L	31000	E UG/L	29800	E UG/L	29100	E UG/L		
131 M	POTASSIUM		4250	UG/L	5240	UG/L	5150	UG/L	4760	UG/L		
		V.O.C. LAB ID #	143052		143053		143056		143055			
		==========	======		======		======		======			
203 V	BENZENE		BDL	5.0 ug/l	BDL	5.0 ug/l	BDL	5.0 ug/l	BDL	5.0 ug/l		
205 V	BROMOFORM		BDL	5.0 ug/l	BDL	5.0 ug/l	BDL	5.0 ug/l	BDL	5.0 ug/l		
206 V	CARBON TETRACHLORIDE		BDL	5.0 ug/l	BDL	5.0 ug/l	BDL	5.0 ug/l	BDL	5.0 ug/l		
207 V	CHLOROBENZENE		BDL	5.0 ug/l	BDL	5.0 ug/l	BDL	5.0 ug/l	BDL	5.0 ug/l		
208 V	DIBROMOCHLOROMETHANE		BDL	5.0 ug/l	BDL	5.0 ug/l	BDL	5.0 ug/l	BDL	5.0 ug/l		
209 V	CHLOROETHANE		BDL	10 ug/l	BDL	10 ug/l	BDL	10 ug/l	BDL	10 ug/l		
210 V	2-CHLOROETHYLVINYLETHER		BDL	10 ug/l	BDL	10 ug/l	BDL	10 ug/l	BDL	10 ug/l		
211 V	CHLOROFORM		1.9	J ug/l	2.2	J ug/l	2.3	J ug/l	BDL	5.0 ug/l		
212 V	BROMODICHLOROMETHANE		1.2	J ug/l	1.6	J ug/l	1.6	J ug/l	BDL	5.0 ug/l		
214 V	1,1-DICHLOROETHANE		BDL	5.0 ug/l	BDL	5.0 ug/l	BDL	5.0 ug/l	BDL	5.0 ug/l		
215 V	1,2-DICHLOROETHANE		BDL	5.0 ug/l	BDL	5.0 ug/l	BDL	5.0 ug/l	BDL	5.0 ug/l		
216 V	1,1-DICHLOROETHENE		BDL	5.0 ug/l	BDL	5.0 ug/l	BDL	5.0 ug/l	BDL	5.0 ug/l		
217 V	1,2-DICHLOROPROPANE		BDL	5.0 ug/l	BDL	5.0 ug/l	BDL	5.0 ug/l	BDL	5.0 ug/l		
218 V	CIS-1,3-DICHLOROPROPENE		BDL	5.0 ug/l	BDL	5.0 ug/l	BDL	5.0 ug/l	BDL	5.0 ug/l		
219 V	ETHYLBENZENE		BDL	5.0 ug/l	BDL	5.0 ug/l	BDL	5.0 ug/l	BDL	5.0 ug/l		
220 V	BROMOMETHANE		BDL	10 ug/l	BDL	10 ug/l	BDL	10 ug/l	BDL	10 ug/l		
221 V	CHLOROMETHANE		BDL	10 ug/l	BDL	10 ug/l	BDL	10 ug/l	BDL	10 ug/l		

		SITE	86021			86021			86021			86021	
		POINT	SURF WAT			SURF WAT			SURF WAT			SURF WAT	
		SAMPLE	SW-8			SW-9			SW-9 DUP			SW-10	
		DATE	07/24/87			07/24/87			07/24/87			07/24/87	
		DEPTH	0			0			0			0	
		MATRIX	WA			WA			WA			WA	
CMPD	CL	CMPD-DESC											
222	V	METHYLENE CHLORIDE	2.4	J B	ug/l	1.7	J B	ug/l	1.6	J B	ug/l	1.2	J B ug/l
223	V	1,1,2,2-TETRACHLORDETHANE	BDL	5.0	ug/l	BDL	5.0	ug/l	BDL	5.0	ug/l	BDL	5.0 ug/l
224	V	TETRACHLORDETHENE	BDL	5.0	ug/l	BDL	5.0	ug/l	BDL	5.0	ug/l	BDL	5.0 ug/l
225	V	TOLUENE	BDL	5.0	ug/l	BDL	5.0	ug/l	BDL	5.0	ug/l	BDL	5.0 ug/l
226	V	TRANS-1,2-DICHLORDETHENE	BDL	5.0	ug/l	BDL	5.0	ug/l	BDL	5.0	ug/l	BDL	5.0 ug/l
227	V	1,1,1-TRICHLORDETHANE	BDL	5.0	ug/l	BDL	5.0	ug/l	BDL	5.0	ug/l	BDL	5.0 ug/l
228	V	1,1,2-TRICHLORDETHANE	BDL	5.0	ug/l	BDL	5.0	ug/l	BDL	5.0	ug/l	BDL	5.0 ug/l
229	V	TRICHLORDETHENE	BDL	5.0	ug/l	BDL	5.0	ug/l	BDL	5.0	ug/l	BDL	5.0 ug/l
231	V	VINYL CHLORIDE	BDL	10	ug/l	BDL	10	ug/l	BDL	10	ug/l	BDL	10 ug/l
250	V	TRANS-1,3-DICHLOROPROPENE	BDL	5.0	ug/l	BDL	5.0	ug/l	BDL	5.0	ug/l	BDL	5.0 ug/l
251	V	STYRENE	BDL	5.0	ug/l	BDL	5.0	ug/l	BDL	5.0	ug/l	BDL	5.0 ug/l
252	V	ACETONE	BDL	10	ug/l	BDL	10	ug/l	BDL	10	ug/l	BDL	10 ug/l
253	V	2-BUTANONE	BDL	10	ug/l	BDL	10	ug/l	BDL	10	ug/l	BDL	10 ug/l
254	V	CARBON DISULFIDE	BDL	5.0	ug/l	BDL	5.0	ug/l	BDL	5.0	ug/l	BDL	5.0 ug/l
255	V	2-HEXANONE	BDL	10	ug/l	BDL	10	ug/l	BDL	10	ug/l	BDL	10 ug/l
256	V	4-METHYL-2-PENTANONE	BDL	10	ug/l	BDL	10	ug/l	BDL	10	ug/l	BDL	10 ug/l
257	V	VINYL ACETATE	BDL	10	ug/l	BDL	10	ug/l	BDL	10	ug/l	BDL	10 ug/l
289	V	XYLENES (TOTAL)	BDL	5.0	ug/l	BDL	5.0	ug/l	BDL	5.0	ug/l	BDL	5.0 ug/l
		ACID EXTRACT/ BASE NEUT. LAB ID #	143052			143053			143056			143055	
		==========	======			======			======			======	
401	B	ACENAPHTHENE	BDL	20	ug/l	BDL	20	ug/l	BDL	20	ug/l	BDL	20 ug/l
402	B	ACENAPHTHYLENE	BDL	20	ug/l	BDL	20	ug/l	BDL	20	ug/l	BDL	20 ug/l
403	B	ANTHRACENE	BDL	20	ug/l	BDL	20	ug/l	BDL	20	ug/l	BDL	20 ug/l
405	B	BENZO(A)ANTHRACENE	BDL	20	ug/l	BDL	20	ug/l	BDL	20	ug/l	BDL	20 ug/l
406	B	BENZO(A)PYRENE	BDL	20	ug/l	BDL	20	ug/l	BDL	20	ug/l	BDL	20 ug/l
407	B	BENZO(B)FLUORANTHENE	BDL	20	ug/l	BDL	20	ug/l	BDL	20	ug/l	BDL	20 ug/l
408	B	BENZO(G,H,I)PERYLENE	BDL	20	ug/l	BDL	20	ug/l	BDL	20	ug/l	BDL	20 ug/l
409	B	BENZO(K)FLUORANTHENE	BDL	20	ug/l	BDL	20	ug/l	BDL	20	ug/l	BDL	20 ug/l
410	B	BIS(2-CHLOROETHOXY)METHANE	BDL	20	ug/l	BDL	20	ug/l	BDL	20	ug/l	BDL	20 ug/l
411	B	BIS(2-CHLOROETHYL)ETHER	BDL	20	ug/l	BDL	20	ug/l	BDL	20	ug/l	BDL	20 ug/l
412	B	BIS(2-CHLOROISOPROPYL)ETHER	BDL	20	ug/l	BDL	20	ug/l	BDL	20	ug/l	BDL	20 ug/l
413	B	BIS(2-ETHYLHEXYL)PHTHALATE	BDL	20	ug/l	BDL	20	ug/l	BDL	20	ug/l	BDL	20 ug/l
414	B	4-BROMOPHENYL-PHENYLETHER	BDL	20	ug/l	BDL	20	ug/l	BDL	20	ug/l	BDL	20 ug/l
415	B	BUTYLBENZYLPHTHALATE	BDL	20	ug/l	BDL	20	ug/l	BDL	20	ug/l	BDL	20 ug/l
416	B	2-CHLORONAPHTHALENE	BDL	20	ug/l	BDL	20	ug/l	BDL	20	ug/l	BDL	20 ug/l
417	B	4-CHLOROPHENYL-PHENYLETHER	BDL	20	ug/l	BDL	20	ug/l	BDL	20	ug/l	BDL	20 ug/l
418	B	CHRYSENE	BDL	20	ug/l	BDL	20	ug/l	BDL	20	ug/l	BDL	20 ug/l
419	B	DIBENZ(A,H)ANTHRACENE	BDL	20	ug/l	BDL	20	ug/l	BDL	20	ug/l	BDL	20 ug/l
420	B	1,2-DICHLOROBENZENE	BDL	20	ug/l	BDL	20	ug/l	BDL	20	ug/l	BDL	20 ug/l
421	B	1,3-DICHLOROBENZENE	BDL	20	ug/l	BDL	20	ug/l	BDL	20	ug/l	BDL	20 ug/l
422	B	1,4-DICHLOROBENZENE	BDL	20	ug/l	BDL	20	ug/l	BDL	20	ug/l	BDL	20 ug/l
423	B	3,3'-DICHLOROBENZIDINE	BDL	40	ug/l	BDL	40	ug/l	BDL	40	ug/l	BDL	40 ug/l
424	B	DIETHYLPHTHALATE	BDL	20	ug/l	BDL	20	ug/l	BDL	20	ug/l	BDL	20 ug/l
425	B	DIMETHYL PHTHALATE	BDL	20	ug/l	BDL	20	ug/l	BDL	20	ug/l	BDL	20 ug/l

		SITE	86021		86021		86021		86021	
		POINT	SURF WAT		SURF WAT		SURF WAT		SURF WAT	
		SAMPLE	SW-8		SW-9		SW-9 DUP		SW-10	
		DATE	07/24/87		07/24/87		07/24/87		07/24/87	
		DEPTH	0		0		0		0	
		MATRIX	WA		WA		WA		WA	
CMPD	CL	CMPD-DESC								
426	B	DI-N-BUTYLPHTHALATE	BDL	20 ug/l	BDL	20 ug/l	4.4	J ug/l	BDL	20 ug/l
427	B	2,4-DINITROTOLUENE	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
428	B	2,6-DINITROTOLUENE	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
429	B	DI-N-OCTYL PHTHALATE	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
431	B	FLUORANTHENE	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
432	B	FLUORENE	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
433	B	HEXACHLOROBENZENE	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
434	B	HEXACHLOROBUTADIENE	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
435	B	HEXACHLOROCYCLOPENTADIENE	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
436	B	HEXACHLOROETHANE	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
437	B	INDENO(1,2,3-CD)PYRENE	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
438	B	ISOPHORONE	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
439	B	NAPHTHALENE	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
440	B	NITROBENZENE	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
442	B	N-NITROSO-DI-N-PROPYLAMINE	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
443	B	N-NITROSODIPHENYLAMINE(1)	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
444	B	PHENANTHRENE	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
445	B	PYRENE	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
446	B	1,2,4-TRICHLOROBENZENE	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
474	B	BENZYL ALCOHOL	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
475	B	4-CHLOROANILINE	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
476	B	DIBENZOFURAN	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
477	B	2-METHYLNAPHTHALENE	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
478	B	2-NITROANILINE	BDL	100 ug/l	BDL	100 ug/l	BDL	100 ug/l	BDL	100 ug/l
479	B	3-NITROANILINE	BDL	100 ug/l	BDL	100 ug/l	BDL	100 ug/l	BDL	100 ug/l
480	B	4-NITROANILINE	BDL	100 ug/l	BDL	100 ug/l	BDL	100 ug/l	BDL	100 ug/l
601	A	2-CHLOROPHENOL	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
602	A	2,4-DICHLOROPHENOL	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
603	A	2,4-DIMETHYLPHENOL	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
604	A	4,6-DINITRO-2-METHYLPHENOL	BDL	100 ug/l	BDL	100 ug/l	BDL	100 ug/l	BDL	100 ug/l
605	A	2,4-DINITROPHENOL	BDL	100 ug/l	BDL	100 ug/l	BDL	100 ug/l	BDL	100 ug/l
606	A	2-NITROPHENOL	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
607	A	4-NITROPHENOL	BDL	100 ug/l	BDL	100 ug/l	BDL	100 ug/l	BDL	100 ug/l
608	A	4-CHLORO-3-METHYLPHENOL	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
609	A	PENTACHLOROPHENOL	BDL	100 ug/l	BDL	100 ug/l	BDL	100 ug/l	BDL	100 ug/l
610	A	PHENOL	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
611	A	2,4,6-TRICHLOROPHENOL	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
620	A	2-METHYLPHENOL	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
622	A	4-METHYLPHENOL	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
625	A	BENZOIC ACID	BDL	100 ug/l	BDL	100 ug/l	BDL	100 ug/l	BDL	100 ug/l
626	A	2,4,5-TRICHLOROPHENOL	BDL	100 ug/l	BDL	100 ug/l	BDL	100 ug/l	BDL	100 ug/l
		PESTICIDES / PCB LAB ID #	143052		143053		143056		143055	
		==========	======		======		======		======	
701	P	ALDRIN	BDL	0.05 ug/l	BDL	0.05 ug/l	BDL	0.05 ug/l	BDL	0.05 ug/l

	SITE	86021	86021	86021	86021
	POINT	SURF WAT	SURF WAT	SURF WAT	SURF WAT
	SAMPLE	SW-8	SW-9	SW-9 DUP	SW-10
	DATE	07/24/87	07/24/87	07/24/87	07/24/87
	DEPTH	0	0	0	0
	MATRIX	WA	WA	WA	WA
CMPD CL	CMPD-DESC				
702 P	ALPHA-BHC	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l
703 P	BETA-BHC	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l
704 P	GAMMA-BHC	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l
705 P	DELTA-BHC	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l
706 P	CHLORDANE	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l
707 P	4,4'-DDT	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l
708 P	4,4'-DDE	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l
709 P	4,4'-DDD	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l
710 P	DIELDRIN	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l
711 P	ALPHA-ENDOSULFAN	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l
712 P	BETA-ENDOSULFAN	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l
713 P	ENDOSULFAN SULFATE	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l
714 P	ENDRIN	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l
716 P	HEPTACHLOR	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l
717 P	HEPTACHLOR EPOXIDE	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l
718 P	PCB-1242	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l
719 P	PCB-1254	BDL 1 ug/l	BDL 1 ug/l	BDL 1 ug/l	BDL 1 ug/l
720 P	PCB-1221	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l
721 P	PCB-1232	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l
722 P	PCB-1248	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l
723 P	PCB-1260	BDL 1 ug/l	BDL 1 ug/l	BDL 1 ug/l	BDL 1 ug/l
724 P	PCB-1016	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l
725 P	TOXAPHENE	BDL 1 ug/l	BDL 1 ug/l	BDL 1 ug/l	BDL 1 ug/l
726 P	P,P'-METHOXYCHLOR	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l
739 P	ENDRIN KETONE	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l
		143030	143031	143033	143032
		======	======	======	======
1001 C	CYANIDE	BDL 10 ug/l	BDL 10 ug/l	BDL 10 ug/l	10 ug/l

AR300535

SITE:	86021	86021	86021	86021	86021	86021	86021
POINT:	SW-1	SW-2	SW-3	SW-4	SW-5	SW-6	SW-7
LAB ID #:	30648-17	30648-15	30648-20	30648-16	30648-18	30648-5RI	30648-8
GC/MS DATE:	8-20-87	8-20-87	8-20-87	8-20-87	8-20-88	8-19-87	8-19-87
MATRIX:	WA	WA	WA	WA	WA	WA	WA
CDP NAME							
TCDD	BDL 0.052 ppt	BDL 0.056 ppt	BDL 0.032 ppt	BDL 0.034 ppt	BDL 0.025 ppt	BDL 0.058 ppt	BDL 0.049 ppt
2378 TCDD	BDL 0.052 ppt	BDL 0.056 ppt	BDL 0.032 ppt	BDL 0.034 ppt	BDL 0.052 ppt	BDL 0.058 ppt	BDL 0.049 ppt
PnCDD	BDL 0.22 ppt	BDL 0.10 ppt	BDL 0.13 ppt	BDL 0.13 ppt	BDL 0.24 ppt	BDL 0.38 ppt	BDL 0.14 ppt
12378 PnCDD							
HxCDD	BDL 0.13 ppt	BDL 0.12 ppt	BDL 0.084 ppt	BDL 0.10 ppt	BDL 0.11 ppt	BDL 0.13 ppt	BDL 0.092 ppt
123478 HxCDD							
123678 HxCDD							
123789 HxCDD							
HpCDD	1.4 ppt	3.9 ppt	BDL 0.26 ppt	3.3 ppt	4.7 ppt	BDL 0.21 ppt	BDL 0.14 ppt
1234678 HpCDD							
OCDD	5.8 ppt	14.4 ppt	BDL 1.6 ppt	11.6 ppt	15.6 ppt	BDL 0.47 ppt	BDL 0.38 ppt

(x MPC)

AR300536

SITE:	86021	86021	86021	86021
POINT:	SW-8	SW-9(DUP)	SW-9	SW-10
LAB ID #:	30648-4	30648-6	30648-7	30648-19
GC/MS DATE:	8-19-87	8-19-87	8-19-87	8-20-87
MATRIX:	WA	WA	WA	WA
CDP NAME				
TCDD	BDL 0.083 ppt	BDL 0.16 ppt	BDL 0.064 ppt	BDL 0.04 ppt
2378 TCDD	BDL 0.083 ppt	BDL 0.16 ppt	BDL 0.064 ppt	BDL 0.04 ppt
PnCDD	BDL 0.17 ppt	BDL 0.51 ppt	BDL 0.16 ppt	BDL 0.19 ppt
12378 PnCDD				
HxCDD	BDL 0.18 ppt	BDL 0.29 ppt	BDL 0.094 ppt	BDL 0.11 ppt
123478 HxCDD				
123678 HxCDD				
123789 HxCDD				
HpCDD	BDL 0.48 ppt	BDL 0.34 ppt	BDL 0.17 ppt	BDL 0.26 ppt
1234678 HpCDD				
OCDD	BDL 1.8 ppt	BDL 1.5 ppt	BDL 0.54 ppt	BDL 0.79 ppt

(x MPC)

AR300537

SITE:	86021	86021	86021	86021	86021	86021	86021
POINT:	SW-3	SW-4	SW-5	SW-6	SW-7	SW-8	SW-9(DUP)
LAB ID #:	30648-20	30648-16	30648-18	30648-5R1	30648-8	30648-4	30648-6
GC/MS DATE:	8-20-87	8-20-87	8-20-87	8-19-87	8-19-87	8-19-87	8-19-87
MATIRX:	WA	WA	WA	WA	WA	WA	WA
COP NAME							
TCDF	BDL 0.034 ppt	BDL 0.021 ppt	BDL 0.02 ppt	BDL 0.029 ppt	BDL 0.049 ppt	BDL 0.035 ppt	BDL 0.14 ppt
2378 TCDF	BDL 0.034 ppt	BDL 0.021 ppt	BDL 0.02 ppt	BDL 0.029 ppt	BDL 0.049 ppt	BDL 0.035 ppt	BDL 0.14 ppt
PnCDF	BDL 0.096 ppt	BDL 0.074 ppt	BDL 0.18 ppt	BDL 0.25 ppt	BDL 0.1 ppt	BDL 0.17 ppt	BDL 0.64 ppt
12378 PnCDF							
23478 PnCDF							
HxCDF	BDL 0.048 ppt	BDL 0.066 ppt	BDL 0.053 ppt	BDL 0.072 ppt	BDL 0.055 ppt	BDL 0.099 ppt	BDL 0.13 ppt
123478 HxCDF							
123678 HxCDF							
123789 HxCDF							
234678 HxCDF							
HpCDF	BDL 0.35 ppt	3.3 ppt	5.8 ppt	BDL 0.42 ppt	BDL 0.12 ppt	0.38 ppt	BDL 0.37 ppt
1234678 HpCDF							
1234789 HpCDF							
OCDF	BDL 0.81 ppt	5.5 ppt	8.1 ppt	BDL 0.51 ppt	BDL 0.31 ppt	BDL X.090 ppt	BDL 0.92 ppt

(X MPC)

AR300538

SITE:	86021	86021
POINT:	SW-9	SW-10
LAB ID #:	30648-7	30648-19
GC/MS DATE:	8-19-87	8-20-87
MATRIX:	WA	WA
CDP NAME		
TCDF	BDL 0.051 ppt	BDL 0.023 ppt
2378 TCDF	BDL 0.051 ppt	BDL 0.023 ppt
PnCDF	BDL 0.12 ppt	BDL 0.16 ppt
12378 PnCDF		
23478 PnCDF		
HxCDF	BDL 0.077 ppt	BDL 0.067 ppt
123478 HxCDF		
123678 HxCDF		
123789 HxCDF		
234678 HxCDF		
HpCDF	BDL 0.19 ppt	BDL 0.23 ppt
1234678 HpCDF		
1234789 HpCDF		
OCDF	BDL 0.36 ppt	BDL 0.46 ppt

(= MPC)

AR300539

2.5 Groundwater Sample Results

2.5.1 Round 1

SITE	86021
SAMPLE	TRIP BLANK
CCN	143059
DATE	07/24/87
MATRIX	WA

CMPD	CL			
203	V	Benzene	BDL	5 ug/l
205	V	Bromoform	BDL	5 ug/l
206	V	Carbon Tetrachloride	BDL	5 ug/l
207	V	Chlorobenzene	BDL	5 ug/l
208	V	Dibromochloromethane	BDL	5 ug/l
209	V	Chloroethane	BDL	10 ug/l
210	V	2-Chloroethylvinylether	BDL	10 ug/l
211	V	Chloroform	BDL	5 ug/l
212	V	Bromodichloromethane	BDL	5 ug/l
214	V	1,1-Dichloroethane	BDL	5 ug/l
215	V	1,2-Dichloroethane	BDL	5 ug/l
216	V	1,1-Dichloroethene	BDL	5 ug/l
217	V	1,2-Dichloropropane	BDL	5 ug/l
218	V	cis-1,3-Dichloropropene	BDL	5 ug/l
219	V	Ethylbenzene	BDL	5 ug/l
220	V	Bromomethane	BDL	10 ug/l
221	V	Chloromethane	BDL	10 ug/l
222	V	Methylene Chloride	2.1 J B	ug/l
223	V	1,1,2,2-Tetrachloroethane	BDL	5 ug/l
224	V	Tetrachloroethene	BDL	5 ug/l
225	V	Toluene	BDL	5 ug/l
226	V	Trans-1,2-Dichloroethene	BDL	5 ug/l
227	V	1,1,1-Trichloroethane	BDL	5 ug/l
228	V	1,1,2-Trichloroethane	BDL	5 ug/l
229	V	Trichloroethene	BDL	5 ug/l
231	V	Vinyl Chloride	BDL	10 ug/l
250	V	Trans-1,3-Dichloropropene	BDL	5 ug/l
251	V	Styrene	BDL	5 ug/l
252	V	Acetone	BDL	10 ug/l
253	V	2-Butanone	BDL	10 ug/l
254	V	Carbon Disulfide	BDL	5 ug/l
255	V	2-Hexanone	BDL	10 ug/l
256	V	4-Methyl-2-pentanone	BDL	10 ug/l
257	V	Vinyl Acetate	BDL	10 ug/l
289	V	Xylenes (Total)	BDL	5 ug/l

AR300541

CMPD CL	CMPD-DESC														
	SITE	86021		86021		86021		86021		86021		86021		86021	
	SAMPLE	MW-1		MW-2		MW-3		MW-6		R-2		R-2(DUP)		R-4	
	DATE	07/30/87		07/28/87		07/28/87		07/28/87		07/30/87		07/30/87		07/30/87	
	MATRIX	GNDWAT		GNDWAT		GNDWAT		GNDWAT		GNDWAT		GNDWAT		GNDWAT	
	METALS LAB I.D. #	143948		143473		143474		143475		144180		144188		144182	
	==========	======		======		======		======		======		======		======	
101 M	ANTIMONY	BDL	48 ug/l	BDL	57 ug/l	BDL	50 ug/l	BDL	50 ug/l	BDL	48 ug/l	BDL	48 ug/l	BDL	48 ug/l
102 M	ARSENIC	BDL	3.7 ug/l	BDL	2.3 ug/l	BDL	2.3 ug/l	7.9	ug/l	4.1	F ug/l	7.4	F ug/l	BDL	3.7 ug/l
103 M	BERYLLIUM	BDL	1 ug/l	BDL	1 ug/l	BDL	1 ug/l	BDL	1 ug/l	BDL	1 ug/l	BDL	1 ug/l	BDL	1 ug/l
104 M	CADMIUM	BDL	4 ug/l	BDL	4 ug/l	BDL	4 ug/l	BDL	4 ug/l	BDL	4 ug/l	BDL	4 ug/l	BDL	4 ug/l
105 M	CHROMIUM	BDL	7 ug/l	BDL	10 ug/l	161	ug/l	BDL	10 ug/l	BDL	7 ug/l	BDL	7 ug/l	BDL	7 ug/l
106 M	COPPER	2.9	ug/l	6.5	ug/l	6.5	ug/l	6.4	ug/l	13	ug/l	14	E ug/l	6.9	E ug/l
107 M	LEAD	BDL	2.2 ug/l	1.3 N	F ug/l	BDL	1 ug/l	BDL	1 ug/l	BDL	2.2 ug/l	3.1	F ug/l	BDL	2.2 ug/l
108 M	MERCURY	BDL	0.2 ug/l	BDL	0.2 ug/l	BDL	0.2 ug/l	BDL	0.2 ug/l	BDL	0.2 ug/l	BDL	0.2 ug/l	BDL	0.2 ug/l
109 M	NICKEL	BDL	21 ug/l	BDL	32 ug/l	BDL	32 ug/l	BDL	32 ug/l	BDL	21 ug/l	BDL	21 ug/l	BDL	21 ug/l
110 M	SELENIUM	BDL	2.5 ug/l	BDL	7.5 ug/l	BDL	7.5 ug/l	BDL	1.5 ug/l	BDL	12 ug/l	BDL	7.5 ug/l	BDL	12 ug/l
111 M	SILVER	BDL	7 ug/l	BDL	9 ug/l	BDL	9 ug/l	BDL	9 ug/l	BDL	7 ug/l	BDL	12 ug/l	BDL	7 ug/l
112 M	THALLIUM	2.9	F ug/l	BDL	1.4 ug/l	1.7	F ug/l	BDL	1.4 ug/l	BDL	2.2 ug/l	BDL	11 ug/l	BDL	2.2 ug/l
113 M	ZINC	48	E ug/l	157	ug/l	28	ug/l	81	ug/l	322	E ug/l	358	ug/l	68	ug/l
114 M	BARIUM	102	ug/l	27	E ug/l	19	E ug/l	32	E ug/l	42	ug/l	43	ug/l	90	ug/l
115 M	IRON	6090	ug/l	60	ug/l	47	ug/l	11100	ug/l	5430	ug/l	9500	ug/l	BDL	4 ug/l
116 M	MANGANESE	566	ug/l	10900	ug/l	5390	ug/l	8200	ug/l	19700	ug/l	20400	ug/l	76	ug/l
117 M	VANADIUM	8.4	ug/l	6.7	ug/l	8	ug/l	6.5	ug/l	9	ug/l	15	ug/l	9.5	ug/l
118 M	ALUMINUM	BDL	45 ug/l	BDL	57 ug/l	163	ug/l	BDL	57 ug/l	BDL	45 ug/l	48	ug/l	BDL	45 ug/l
120 M	COBALT	19	E ug/l	539	ug/l	124	ug/l	78	ug/l	111	E ug/l	118	E ug/l	13	E ug/l
121 M	MAGNESIUM	10900	E ug/l	14000	E ug/l	31200	E ug/l	12500	E ug/l	24900	E ug/l	25500	E ug/l	12100	E ug/l
129 M	CALCIUM	33500	ug/l	36700	ug/l	88000	ug/l	39100	ug/l	60000	ug/l	61900	ug/l	13300	ug/l
130 M	SODIUM	30600	E ug/l	21000	ug/l	21100	E ug/l	27300	E ug/l	72100	E ug/l	74600	E ug/l	14400	E ug/l
131 M	POTASSIUM	8100	ug/l	3870	ug/l	BDL	3600 ug/l	5920	ug/l	18300	ug/l	19000	ug/l	7130	ug/l
	VOC LAB I.D. #	143946		143468		143469		143470		143941		143944		143945	
	==========	======		======		======		======		======		======		======	
203 V	BENZENE	1	J ug/l	1.5	J ug/l	1.1	J ug/l	2.9	J ug/l	20	J ug/l	10	J ug/l	BDL	5 ug/l
205 V	BROMOFORM	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	25 ug/l	BDL	25 ug/l	BDL	5 ug/l
206 V	CARBON TETRACHLORIDE	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	25 ug/l	BDL	25 ug/l	BDL	5 ug/l
207 V	CHLOROBENZENE	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	25 ug/l	BDL	25 ug/l	BDL	5 ug/l
208 V	DIBROMOCHLOROMETHANE	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	25 ug/l	BDL	25 ug/l	BDL	5 ug/l
209 V	CHLOROETHANE	BDL	10 ug/l	BDL	10 ug/l	BDL	10 ug/l	BDL	10 ug/l	BDL	50 ug/l	BDL	50 ug/l	BDL	10 ug/l
210 V	2-CHLOROETHYLVINYLETHER	BDL	10 ug/l	BDL	10 ug/l	BDL	10 ug/l	BDL	10 ug/l	BDL	50 ug/l	BDL	50 ug/l	BDL	10 ug/l
211 V	CHLOROFORM	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	25 ug/l	BDL	25 ug/l	BDL	5 ug/l
212 V	BROMODICHLOROMETHANE	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	25 ug/l	BDL	25 ug/l	BDL	5 ug/l
214 V	1,1-DICHLOROETHANE	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	25 ug/l	BDL	25 ug/l	BDL	5 ug/l
215 V	1,2-DICHLOROETHANE	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	7.9	ug/l	BDL	25 ug/l	BDL	25 ug/l	BDL	5 ug/l
216 V	1,1-DICHLOROETHENE	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	25 ug/l	BDL	25 ug/l	BDL	5 ug/l
217 V	1,2-DICHLOROPROPANE	BDL	5 ug/l	BDL	5 ug/l	1.6	J ug/l	BDL	5 ug/l	BDL	25 ug/l	BDL	25 ug/l	BDL	5 ug/l
218 V	CIS-1,3-DICHLOROPROPENE	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	25 ug/l	BDL	25 ug/l	BDL	5 ug/l
219 V	ETHYLBENZENE	6.2	ug/l	11	ug/l	BDL	5 ug/l	BDL	5 ug/l	340	ug/l	120	ug/l	BDL	5 ug/l
220 V	BROMOMETHANE	BDL	10 ug/l	BDL	10 ug/l	BDL	10 ug/l	BDL	10 ug/l	BDL	50 ug/l	BDL	50 ug/l	BDL	10 ug/l
221 V	CHLOROMETHANE	BDL	10 ug/l	BDL	10 ug/l	BDL	10 ug/l	BDL	10 ug/l	BDL	50 ug/l	BDL	50 ug/l	BDL	10 ug/l
222 V	METHYLENE CHLORIDE	4.2	J B ug/l	1.2	J ug/l	2.3	J ug/l	1.6	J ug/l	11	J B ug/l	62	ug/l	6.6	B ug/l

	SITE	86021		86021		86021		86021		86021		86021		86021	
	SAMPLE	MW-1		MW-2		MW-3		MW-6		R-2		R-2(DUP)		R-4	
	DATE	07/30/87		07/28/87		07/28/87		07/28/87		07/30/87		07/30/87		07/30/87	
	MATRIX	GNDWAT		GNDWAT		GNDWAT		GNDWAT		GNDWAT		GNDWAT		GNDWAT	
CMPD CL	CMPD-DESC														
223 V	1,1,2,2-TETRACHLOROETHANE	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	25 ug/l	BDL	25 ug/l	BDL	5 ug/l
224 V	TETRACHLOROETHENE	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	25 ug/l	BDL	25 ug/l	BDL	5 ug/l
225 V	TOLUENE	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	230	ug/l	110	ug/l	BDL	5 ug/l
226 V	TRANS-1,2-DICHLOROETHENE	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	52	ug/l	40	ug/l	35	ug/l	BDL	5 ug/l
227 V	1,1,1-TRICHLOROETHANE	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	25 ug/l	BDL	25 ug/l	BDL	5 ug/l
228 V	1,1,2-TRICHLOROETHANE	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	25 ug/l	BDL	25 ug/l	BDL	5 ug/l
229 V	TRICHLOROETHENE	BDL	5 ug/l	1.2	J ug/l	2.8	J ug/l	8.3	ug/l	86	ug/l	40	ug/l	BDL	5 ug/l
231 V	VINYL CHLORIDE	BDL	10 ug/l	BDL	10 ug/l	BDL	10 ug/l	9.4	J ug/l	BDL	50 ug/l	BDL	50 ug/l	BDL	10 ug/l
250 V	TRANS-1,3-DICHLOROPROPENE	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	25 ug/l	BDL	25 ug/l	BDL	5 ug/l
251 V	STYRENE	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	25 ug/l	BDL	25 ug/l	BDL	5 ug/l
252 V	ACETONE	7.1	J B ug/l	BDL	10 ug/l	BDL	10 ug/l	BDL	10 ug/l	100	ug/l	220	ug/l	BDL	10 ug/l
253 V	2-BUTANONE	BDL	10 ug/l	BDL	10 ug/l	BDL	10 ug/l	BDL	10 ug/l	BDL	50 ug/l	BDL	50 ug/l	BDL	10 ug/l
254 V	CARBON DISULFIDE	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	25 ug/l	BDL	25 ug/l	BDL	5 ug/l
255 V	2-HEXANONE	BDL	10 ug/l	BDL	10 ug/l	BDL	10 ug/l	BDL	10 ug/l	BDL	50 ug/l	BDL	50 ug/l	BDL	10 ug/l
256 V	4-METHYL-2-PENTANONE	BDL	10 ug/l	BDL	10 ug/l	BDL	10 ug/l	BDL	10 ug/l	BDL	50 ug/l	BDL	50 ug/l	BDL	10 ug/l
257 V	VINYL ACETATE	BDL	10 ug/l	BDL	10 ug/l	BDL	10 ug/l	BDL	10 ug/l	BDL	50 ug/l	BDL	50 ug/l	BDL	10 ug/l
289 V	XYLENES (TOTAL)	42	ug/l	76	ug/l	4.6	J ug/l	BDL	5 ug/l	2400	ug/l	970	ug/l	BDL	5 ug/l
	ACID EXTRACT./BASE NEUT. LAB ID #	144123		143468		143469		143470		144159		144171		144163	
	==========	======		======		======		======		======		======		======	
401 B	ACENAPHTHENE	140	ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	210	J ug/l	BDL	200 ug/l	BDL	20 ug/l
402 B	ACENAPHTHYLENE	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	400 ug/l	BDL	200 ug/l	BDL	20 ug/l
403 B	ANTHRACENE	160	ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	88	J ug/l	BDL	200 ug/l	BDL	20 ug/l
405 B	BENZO(A)ANTHRACENE	19	J ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	400 ug/l	BDL	200 ug/l	BDL	20 ug/l
406 B	BENZO(A)PYRENE	3.4	J ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	400 ug/l	BDL	200 ug/l	BDL	20 ug/l
407 B	BENZO(B)FLUORANTHENE	5.2	J ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	400 ug/l	BDL	200 ug/l	BDL	20 ug/l
408 B	BENZO(G,H,I)PERYLENE	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	400 ug/l	BDL	200 ug/l	BDL	20 ug/l
409 B	BENZO(K)FLUORANTHENE	5.2	J ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	400 ug/l	BDL	200 ug/l	BDL	20 ug/l
410 B	BIS(-2-CHLOROETHOXY)METHANE	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	400 ug/l	BDL	200 ug/l	BDL	20 ug/l
411 B	BIS(-2-CHLOROETHYL)ETHER	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	400 ug/l	BDL	200 ug/l	BDL	20 ug/l
412 B	BIS(2-CHLOROISOPROPYL)ETHER	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	400 ug/l	BDL	200 ug/l	BDL	20 ug/l
413 B	BIS(2-ETHYLHEXYL)PHTHALATE	2.8	J ug/l	7.8	J ug/l	2.6	J ug/l	7.6	ug/l	BDL	400 ug/l	BDL	200 ug/l	BDL	20 ug/l
414 B	4-BROMOPHENYL-PHENYLETHER	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	400 ug/l	BDL	200 ug/l	BDL	20 ug/l
415 B	BUTYLBENZYLPHTHALATE	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	400 ug/l	BDL	200 ug/l	BDL	20 ug/l
416 B	2-CHLORONAPHTHALENE	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	400 ug/l	BDL	200 ug/l	BDL	20 ug/l
417 B	4-CHLOROPHENYL-PHENYLETHER	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	400 ug/l	BDL	200 ug/l	BDL	20 ug/l
418 B	CHRYSENE	22	ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	400 ug/l	BDL	200 ug/l	BDL	20 ug/l
419 B	DIBENZ(A,H)ANTHRACENE	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	400 ug/l	BDL	200 ug/l	BDL	20 ug/l
420 B	1,2-DICHLOROBENZENE	BDL	20 ug/l	BDL	20 ug/l	2.8	J ug/l	BDL	20 ug/l	BDL	400 ug/l	BDL	200 ug/l	BDL	20 ug/l
421 B	1,3-DICHLOROBENZENE	BDL	20 ug/l	BDL	20 ug/l	2.2	J ug/l	BDL	20 ug/l	BDL	400 ug/l	BDL	200 ug/l	BDL	20 ug/l
422 B	1,4-DICHLOROBENZENE	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	400 ug/l	BDL	200 ug/l	BDL	20 ug/l
423 B	3,3'-DICHLOROBENZIDINE	BDL	40 ug/l	BDL	40 ug/l	BDL	40 ug/l	BDL	40 ug/l	BDL	800 ug/l	BDL	400 ug/l	BDL	40 ug/l
424 B	DIETHYLPHTHALATE	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	400 ug/l	BDL	200 ug/l	BDL	20 ug/l
425 B	DIMETHYL PHTHALATE	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	400 ug/l	BDL	200 ug/l	BDL	20 ug/l
426 B	DI-N-BUTYLPHTHALATE	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	400 ug/l	BDL	200 ug/l	BDL	20 ug/l
427 B	2,4-DINITROTOLUENE	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	400 ug/l	BDL	200 ug/l	BDL	20 ug/l
428 B	2,6-DINITROTOLUENE	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	400 ug/l	BDL	200 ug/l	BDL	20 ug/l

	SITE	86021	86021	86021	86021	86021	86021	86021
	SAMPLE	MW-1	MW-2	MW-3	MW-6	R-2	R-2(DUP)	R-4
	DATE	07/30/87	07/28/87	07/28/87	07/28/87	07/30/87	07/30/87	07/30/87
	MATRIX	GWDWAT	GWDWAT	GWDWAT	GWDWAT	GWDWAT	GWDWAT	GWDWAT
CMPD CL	CMPD-DESC							
429 B	DI-N-OCTYL PHTHALATE	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 400 ug/l	BDL 200 ug/l	BDL 20 ug/l
431 B	FLUORANTHENE	100 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	84 J ug/l	60 J ug/l	BDL 20 ug/l
432 B	FLUORENE	BDL 20 ug/l	6.6 J ug/l	BDL 20 ug/l	BDL 20 ug/l	380 J ug/l	190 J ug/l	BDL 20 ug/l
433 B	HEXACHLOROBENZENE	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 400 ug/l	BDL 200 ug/l	BDL 20 ug/l
434 B	HEXACHLOROBUTADIENE	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 400 ug/l	BDL 200 ug/l	BDL 20 ug/l
435 B	HEXACHLOROCYCLOPENTADIENE	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 400 ug/l	BDL 200 ug/l	BDL 20 ug/l
436 B	HEXACHLOROETHANE	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 400 ug/l	BDL 200 ug/l	BDL 20 ug/l
437 B	INDENO(1,2,3-CD)PYRENE	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 400 ug/l	BDL 200 ug/l	BDL 20 ug/l
438 B	ISOPHORONE	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 400 ug/l	BDL 200 ug/l	BDL 20 ug/l
439 B	NAPHTHALENE	340 D ug/l	240 ug/l	81 ug/l	BDL 20 ug/l	980 ug/l	1200 ug/l	BDL 20 ug/l
440 B	NITROBENZENE	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 400 ug/l	BDL 200 ug/l	BDL 20 ug/l
442 B	N-NITROSO-DI-N-PROPYLAMINE	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 400 ug/l	BDL 200 ug/l	BDL 20 ug/l
443 B	N-NITROSODIPHENYLAMINE(1)	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 400 ug/l	BDL 200 ug/l	BDL 20 ug/l
444 B	PHENANTHRENE	790 D ug/l	8 J ug/l	BDL 20 ug/l	BDL 20 ug/l	1200 ug/l	540 ug/l	BDL 20 ug/l
445 B	PYRENE	180 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	110 J ug/l	90 J ug/l	BDL 20 ug/l
446 B	1,2,4-TRICHLOROBENZENE	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 400 ug/l	BDL 200 ug/l	BDL 20 ug/l
474 B	BENZYL ALCOHOL	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 400 ug/l	BDL 200 ug/l	BDL 20 ug/l
475 B	4-CHLOROANILINE	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 400 ug/l	BDL 200 ug/l	BDL 20 ug/l
476 B	DIBENZOFURAN	83 ug/l	6.2 J ug/l	BDL 20 ug/l	BDL 20 ug/l	160 J ug/l	90 J ug/l	BDL 20 ug/l
477 B	2-METHYLNAPHTHALENE	720 D ug/l	210 ug/l	27 ug/l	BDL 20 ug/l	3500 ug/l	2400 ug/l	BDL 20 ug/l
478 B	2-NITROANILINE	BDL 100 ug/l	BDL 100 ug/l	BDL 100 ug/l	BDL 100 ug/l	BDL 2000 ug/l	BDL 1000 ug/l	BDL 100 ug/l
479 B	3-NITROANILINE	BDL 100 ug/l	BDL 100 ug/l	BDL 100 ug/l	BDL 100 ug/l	BDL 2000 ug/l	BDL 1000 ug/l	BDL 100 ug/l
480 B	4-NITROANILINE	BDL 100 ug/l	BDL 100 ug/l	BDL 100 ug/l	BDL 100 ug/l	BDL 2000 ug/l	BDL 1000 ug/l	BDL 100 ug/l
601 A	2-CHLOROPHENOL	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 400 ug/l	BDL 200 ug/l	BDL 20 ug/l
602 A	2,4-DICHLOROPHENOL	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 400 ug/l	BDL 200 ug/l	BDL 20 ug/l
603 A	2,4-DIMETHYLPHENOL	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 400 ug/l	BDL 200 ug/l	BDL 20 ug/l
604 A	4,6-DINITRO-2-METHYLPHENOL	BDL 100 ug/l	BDL 100 ug/l	BDL 100 ug/l	BDL 100 ug/l	BDL 2000 ug/l	BDL 1000 ug/l	BDL 100 ug/l
605 A	2,4-DINITROPHENOL	BDL 100 ug/l	BDL 100 ug/l	BDL 100 ug/l	BDL 100 ug/l	BDL 2000 ug/l	BDL 1000 ug/l	BDL 100 ug/l
606 A	2-NITROPHENOL	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 400 ug/l	BDL 200 ug/l	BDL 20 ug/l
607 A	4-NITROPHENOL	BDL 100 ug/l	BDL 100 ug/l	BDL 100 ug/l	BDL 100 ug/l	BDL 2000 ug/l	BDL 1000 ug/l	BDL 100 ug/l
608 A	4-CHLORO-3-METHYLPHENOL	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 400 ug/l	BDL 200 ug/l	BDL 20 ug/l
609 A	PENTACHLOROPHENOL	860 J D ug/l	2800 ug/l	30 J ug/l	BDL 20 ug/l	4200 ug/l	4500 J D ug/l	3.4 J ug/l
610 A	PHENOL	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 400 ug/l	BDL 200 ug/l	BDL 20 ug/l
611 A	2,4,6-TRICHLOROPHENOL	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 400 ug/l	BDL 200 ug/l	BDL 20 ug/l
620 A	2-METHYLPHENOL	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 400 ug/l	BDL 200 ug/l	BDL 20 ug/l
622 A	4-METHYLPHENOL	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 400 ug/l	BDL 200 ug/l	BDL 20 ug/l
625 A	BENZOIC ACID	BDL 100 ug/l	BDL 100 ug/l	BDL 100 ug/l	BDL 100 ug/l	BDL 2000 ug/l	BDL 1000 ug/l	BDL 100 ug/l
626 A	2,4,5-TRICHLOROPHENOL	BDL 100 ug/l	BDL 100 ug/l	BDL 100 ug/l	BDL 100 ug/l	BDL 2000 ug/l	BDL 1000 ug/l	BDL 100 ug/l
	PESTICIDE/PCB LAB ID #	143949	143468	143469	143470	144159	144171	144163
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701 P	ALDRIN	BDL 0.2 ug/l	BDL 0.5 ug/l	BDL 0.05 ug/l	BDL 0.1 ug/l	5.3 ug/l	BDL 0.2 ug/l	BDL 0.05 ug/l
702 P	ALPHA-BHC	BDL 0.2 ug/l	BDL 0.5 ug/l	BDL 0.05 ug/l	BDL 0.1 ug/l	BDL 1 ug/l	BDL 0.2 ug/l	BDL 0.05 ug/l
703 P	BETA-BHC	BDL 0.2 ug/l	BDL 0.5 ug/l	BDL 0.05 ug/l	BDL 0.1 ug/l	BDL 1 ug/l	BDL 0.2 ug/l	0.18 ug/l
704 P	GAMMA-BHC	BDL 0.2 ug/l	BDL 0.5 ug/l	BDL 0.05 ug/l	BDL 0.1 ug/l	BDL 1 ug/l	BDL 0.2 ug/l	BDL 0.05 ug/l
705 P	DELTA-BHC	BDL 0.2 ug/l	BDL 0.5 ug/l	BDL 0.05 ug/l	BDL 0.1 ug/l	BDL 1 ug/l	BDL 0.2 ug/l	BDL 0.05 ug/l
706 P	CHLORDANE	BDL 2 ug/l	BDL 5 ug/l	BDL 0.05 ug/l	BDL 1 ug/l	BDL 10 ug/l	BDL 2 ug/l	BDL 0.5 ug/l

	SITE	86021		86021		86021		86021		86021		86021		86021	
	SAMPLE	NW-1		NW-2		NW-3		NW-6		R-2		R-2(DUP)		R-4	
	DATE	07/30/87		07/28/87		07/28/87		07/28/87		07/30/87		07/30/87		07/30/87	
	MATRIX	GNDWAT		GNDWAT		GNDWAT		GNDWAT		GNDWAT		GNDWAT		GNDWAT	
CMPD CL	CMPD-DESC														
707 P	4,4'-DDT	BDL	0.4 ug/l	BDL	1 ug/l	BDL	1 ug/l	BDL	0.2 ug/l	BDL	2 ug/l	BDL	0.4 ug/l	BDL	0.1 ug/l
708 P	4,4'-DDE	BDL	0.4 ug/l	BDL	1 ug/l	BDL	1 ug/l	BDL	0.2 ug/l	BDL	2 ug/l	BDL	0.4 ug/l	BDL	0.1 ug/l
709 P	4,4'-DDD	BDL	0.4 ug/l	BDL	1 ug/l	BDL	1 ug/l	BDL	0.2 ug/l	BDL	2 ug/l	BDL	0.4 ug/l	BDL	0.1 ug/l
710 P	DIELDRIN	BDL	0.4 ug/l	BDL	1 ug/l	BDL	1 ug/l	BDL	0.2 ug/l	BDL	2 ug/l	BDL	0.4 ug/l	0.31	ug/l
711 P	ALPHA-ENDOSULFAN	BDL	0.2 ug/l	BDL	0.5 ug/l	BDL	1 ug/l	BDL	0.1 ug/l	BDL	1 ug/l	BDL	0.2 ug/l	BDL	0.05 ug/l
712 P	BETA-ENDOSULFAN	BDL	0.4 ug/l	BDL	1 ug/l	BDL	0.1 ug/l	BDL	0.2 ug/l	BDL	2 ug/l	BDL	0.4 ug/l	BDL	0.1 ug/l
713 P	ENDOSULFAN SULFATE	BDL	0.4 ug/l	BDL	1 ug/l	BDL	0.1 ug/l	BDL	0.2 ug/l	BDL	2 ug/l	BDL	0.4 ug/l	BDL	0.1 ug/l
714 P	ENDRIN	BDL	0.4 ug/l	BDL	1 ug/l	BDL	0.1 ug/l	BDL	0.2 ug/l	BDL	2 ug/l	BDL	0.4 ug/l	BDL	0.1 ug/l
716 P	HEPTACHLOR	BDL	0.2 ug/l	BDL	0.5 ug/l	BDL	0.05 ug/l	BDL	0.1 ug/l	BDL	1 ug/l	BDL	0.2 ug/l	BDL	0.05 ug/l
717 P	HEPTACHLOR EPOXIDE	BDL	0.2 ug/l	BDL	0.5 ug/l	BDL	0.05 ug/l	BDL	0.1 ug/l	BDL	1 ug/l	BDL	0.2 ug/l	BDL	0.05 ug/l
718 P	PCB-1242	BDL	2 ug/l	BDL	5 ug/l	BDL	0.5 ug/l	BDL	1 ug/l	BDL	10 ug/l	BDL	2 ug/l	BDL	0.5 ug/l
719 P	PCB-1254	BDL	4 ug/l	BDL	10 ug/l	BDL	1 ug/l	BDL	2 ug/l	BDL	20 ug/l	BDL	4 ug/l	BDL	1 ug/l
720 P	PCB-1221	BDL	2 ug/l	BDL	5 ug/l	BDL	0.5 ug/l	BDL	1 ug/l	BDL	10 ug/l	BDL	2 ug/l	BDL	0.5 ug/l
721 P	PCB-1232	BDL	2 ug/l	BDL	5 ug/l	BDL	0.5 ug/l	BDL	1 ug/l	BDL	10 ug/l	BDL	2 ug/l	BDL	0.5 ug/l
722 P	PCB-1248	BDL	2 ug/l	BDL	5 ug/l	BDL	0.5 ug/l	BDL	1 ug/l	BDL	10 ug/l	BDL	2 ug/l	BDL	0.5 ug/l
723 P	PCB-1260	BDL	2 ug/l	BDL	10 ug/l	BDL	1 ug/l	BDL	2 ug/l	BDL	20 ug/l	BDL	4 ug/l	BDL	1 ug/l
724 P	PCB-1016	BDL	2 ug/l	BDL	5 ug/l	BDL	0.5 ug/l	BDL	1 ug/l	BDL	10 ug/l	BDL	2 ug/l	BDL	0.5 ug/l
725 P	TOXAPHENE	BDL	4 ug/l	BDL	10 ug/l	BDL	1 ug/l	BDL	2 ug/l	BDL	20 ug/l	BDL	4 ug/l	BDL	1 ug/l
726 P	P,P'-METHOXYCHLOR	BDL	2 ug/l	BDL	5 ug/l	BDL	0.5 ug/l	BDL	1 ug/l	BDL	10 ug/l	BDL	2 ug/l	BDL	0.5 ug/l
739 P	ENDRIN KETONE	BDL	0.4 ug/l	BDL	1 ug/l	BDL	0.1 ug/l	BDL	0.2 ug/l	BDL	2 ug/l	BDL	0.4 ug/l	BDL	0.1 ug/l
	OIL & GREASE LAB ID #	143950		143476		143477		143478		144145		144151		144149	
	==========	======		======		======		======		======		======		======	
1033 C	OIL AND GREASE	21	mg/l	BDL	2 mg/l	BDL	2 mg/l	5.1	mg/l	310	mg/l	220	mg/l	BDL	2 mg/l
1001 C	CYANIDE	BDL	10 ug/l	BDL	10 ug/l	BDL	10 ug/l	BDL	10 ug/l	BDL	10 ug/l	14	ug/l	BDL	10 ug/l

AR300545

CMPD CL	CMPD-DESC								
	SITE	86021		86021		86021		86021	
	SAMPLE	HAV-2		HAV-7		HAV-8		HAV-10	
	DATE	07/30/87		08/01/87		08/01/87		08/01/87	
	MATRIX	GWOWAT		GWOWAT		GWOWAT		GWOWAT	
	METALS LAB I.D. #	144181		144175		144177		144179	
101 M	ANTIMONY	BDL	48 ug/l	BDL	48 ug/l	BDL	48 ug/l	BDL	48 ug/l
102 M	ARSENIC	BDL	3.7 ug/l	BDL	3.7 ug/l	BDL	3.7 ug/l	BDL	3.7 ug/l
103 M	BERYLLIUM	BDL	1 ug/l	BDL	1 ug/l	BDL	1 ug/l	BDL	1 ug/l
104 M	CADMIUM	BDL	4 ug/l	BDL	4 ug/l	BDL	4 ug/l	BDL	4 ug/l
105 M	CHROMIUM	BDL	7 ug/l	BDL	7 ug/l	BDL	7 ug/l	BDL	7 ug/l
106 M	COPPER	3.4	ug/l	3.5	ug/l	4.6	ug/l	6.4	ug/l
107 M	LEAD	BDL	2.2 ug/l	BDL	2.2 ug/l	BDL	2.2 ug/l	2.5	N F ug/l
108 M	MERCURY	BDL	0.2 ug/l	BDL	0.2 ug/l	BDL	0.2 ug/l	BDL	0.2 ug/l
109 M	NICKEL	BDL	21 ug/l	BDL	21 ug/l	BDL	21 ug/l	BDL	21 ug/l
110 M	SELENIUM	BDL	12 ug/l	BDL	12 ug/l	BDL	12 ug/l	5.1	N F ug/l
111 M	SILVER	BDL	7 ug/l	BDL	7 ug/l	BDL	7 ug/l	BDL	7 ug/l
112 M	THALLIUM	14	F ug/l	2.4	F ug/l	3.4	F ug/l	3.6	ug/l
113 M	ZINC	75	E ug/l	18	E ug/l	581	E ug/l	35	E ug/l
114 M	BARIUM	63	ug/l	117	ug/l	122	ug/l	60	ug/l
115 M	IRON	6460	ug/l	4660	ug/l	268	ug/l	191	ug/l
116 M	MANGANESE	20900	ug/l	1450	ug/l	253	ug/l	874	ug/l
117 M	VANADIUM	9.6	ug/l	9.2	ug/l	10	ug/l	9.9	ug/l
118 M	ALUMINUM	BDL	45 ug/l	BDL	45 ug/l	BDL	45 ug/l	BDL	45 ug/l
120 M	COBALT	142	E ug/l	17	E ug/l	13	E ug/l	17	E ug/l
121 M	MAGNESIUM	27500	E ug/l	15700	E ug/l	43200	E ug/l	11900	E ug/l
129 M	CALCIUM	39700	ug/l	40500	ug/l	38100	ug/l	25900	ug/l
130 M	SODIUM	59000	E ug/l	23700	E ug/l	11700	E ug/l	12400	E ug/l
131 M	POTASSIUM	12600	ug/l	13900	ug/l	10700	ug/l	9100	ug/l
	VOC LAB I.D. #	143947		144124		144128		144129	
203 V	BENZENE	6.2	J ug/l	BDL	5 ug/l	9	ug/l	BDL	5 ug/l
205 V	BROMOFORM	BDL	6.8 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l
206 V	CARBON TETRACHLORIDE	BDL	6.8 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l
207 V	CHLOROBENZENE	BDL	6.8 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l
208 V	DIBROMOCHLOROMETHANE	BDL	6.8 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l
209 V	CHLOROETHANE	BDL	14 ug/l	BDL	10 ug/l	BDL	10 ug/l	BDL	10 ug/l
210 V	2-CHLOROETHYLVINYLETHER	BDL	14 ug/l	BDL	10 ug/l	BDL	10 ug/l	BDL	10 ug/l
211 V	CHLOROFORM	BDL	6.8 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l
212 V	BROMODICHLOROMETHANE	BDL	6.8 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l
214 V	1,1-DICHLOROETHANE	BDL	6.8 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l
215 V	1,2-DICHLOROETHANE	BDL	6.8 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l
216 V	1,1-DICHLOROETHENE	BDL	6.8 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l
217 V	1,2-DICHLOROPROPANE	BDL	6.8 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l
218 V	CIS-1,3-DICHLOROPROPENE	BDL	6.8 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l
219 V	ETHYLBENZENE	7.7	ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l
220 V	BROMOMETHANE	BDL	14 ug/l	BDL	10 ug/l	BDL	10 ug/l	BDL	10 ug/l
221 V	CHLOROMETHANE	BDL	14 ug/l	BDL	10 ug/l	BDL	10 ug/l	BDL	10 ug/l
222 V	METHYLENE CHLORIDE	20	B ug/l	2.5	J B ug/l	1.4	J B ug/l	1.3	J B ug/l

AR300546

	SITE	86021		86021		86021		86021	
	SAMPLE	HAV-2		HAV-7		HAV-8		HAV-10	
	DATE	07/30/87		08/01/87		08/01/87		08/01/87	
	MATRIX	GNDWAT		GNDWAT		GNDWAT		GNDWAT	
CMPD CL	CMPD-DESC								
223 V	1,1,2,2-TETRACHLOROETHANE	BDL	6.8 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l
224 V	TETRACHLOROETHENE	BDL	6.8 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l
225 V	TOLUENE	20	ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l
226 V	TRANS-1,2-DICHLOROETHENE	10	ug/l	1.8	J ug/l	3.5	J ug/l	BDL	5 ug/l
227 V	1,1,1-TRICHLOROETHANE	BDL	6.8 ug/l	BDL	5 ug/l	3.5	J ug/l	BDL	5 ug/l
228 V	1,1,2-TRICHLOROETHANE	BDL	6.8 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l
229 V	TRICHLOROETHENE	21	ug/l	BDL	5 ug/l	5.4	ug/l	BDL	5 ug/l
231 V	VINYL CHLORIDE	BDL	14 ug/l	BDL	10 ug/l	BDL	10 ug/l	BDL	10 ug/l
250 V	TRANS-1,3-DICHLOROPROPENE	BDL	6.8 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l
251 V	STYRENE	BDL	6.8 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l
252 V	ACETONE	36	ug/l	BDL	10 ug/l	BDL	10 ug/l	BDL	10 ug/l
253 V	2-BUTANONE	BDL	14 ug/l	BDL	10 ug/l	BDL	10 ug/l	BDL	10 ug/l
254 V	CARBON DISULFIDE	BDL	6.8 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l
255 V	2-HEXANONE	BDL	14 ug/l	BDL	10 ug/l	BDL	10 ug/l	BDL	10 ug/l
256 V	4-METHYL-2-PENTANONE	BDL	14 ug/l	BDL	10 ug/l	BDL	10 ug/l	BDL	10 ug/l
257 V	VINYL ACETATE	BDL	14 ug/l	BDL	10 ug/l	BDL	10 ug/l	BDL	10 ug/l
289 V	XYLENES (TOTAL)	240	ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l
	ACID EXTRACT./BASE NEUT. LAB ID #	144160		144132		144140		144158	
	==========	======		======		======		======	
401 B	ACENAPHTHENE	300	J ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
402 B	ACENAPHTHYLENE	BDL	2000 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
403 B	ANTHRACENE	BDL	2000 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
405 B	BENZO(A)ANTHRACENE	BDL	2000 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
406 B	BENZO(A)PYRENE	BDL	2000 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
407 B	BENZO(B)FLUORANTHENE	BDL	2000 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
408 B	BENZO(G,H,I)PERYLENE	BDL	2000 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
409 B	BENZO(K)FLUORANTHENE	BDL	2000 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
410 B	BIS(-2-CHLOROETHOXY)METHANE	BDL	2000 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
411 B	BIS(-2-CHLOROETHYL)ETHER	BDL	2000 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
412 B	BIS(2-CHLOROISOPROPYL)ETHER	BDL	2000 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
413 B	BIS(2-ETHYLHEXYL)PHTHALATE	BDL	2000 ug/l	2.6	J ug/l	3	J ug/l	BDL	20 ug/l
414 B	4-BROMOPHENYL-PHENYLETHER	BDL	2000 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
415 B	BUTYLBENZYLPHTHALATE	BDL	2000 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
416 B	2-CHLORONAPHTHALENE	BDL	2000 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
417 B	4-CHLOROPHENYL-PHENYLETHER	BDL	2000 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
418 B	CHRYSENE	BDL	2000 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
419 B	DIBENZ(A,H)ANTHRACENE	BDL	2000 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
420 B	1,2-DICHLOROBENZENE	BDL	2000 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
421 B	1,3-DICHLOROBENZENE	BDL	2000 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
422 B	1,4-DICHLOROBENZENE	BDL	2000 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
423 B	3,3'-DICHLOROBENZIDINE	BDL	4000 ug/l	BDL	40 ug/l	BDL	40 ug/l	BDL	40 ug/l
424 B	DIETHYLPHTHALATE	BDL	2000 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
425 B	DIMETHYL PHTHALATE	BDL	2000 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
426 B	DI-N-BUTYLPHTHALATE	BDL	2000 ug/l	BDL	20 ug/l	BDL	20 ug/l	2.2	2 ug/l
427 B	2,4-DINITROTOLUENE	BDL	2000 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
428 B	2,6-DINITROTOLUENE	BDL	2000 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l

AR300547

		SITE	86021		86021		86021		86021	
		SAMPLE	MAW-2		MAW-7		MAW-8		MAW-10	
		DATE	07/30/87		08/01/87		08/01/87		08/01/87	
		MATRIX	GNDWAT		GNDWAT		GNDWAT		GNDWAT	
CMPD	CL	CMPD-DESC								
429	B	DI-N-OCTYL PHTHALATE	BDL	2000 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
431	B	FLUORANTHENE	BDL	2000 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
432	B	FLUORENE	500	J ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
433	B	HEXACHLOROBENZENE	BDL	2000 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
434	B	HEXACHLOROBUTADIENE	BDL	2000 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
435	B	HEXACHLOROCYCLOPENTADIENE	BDL	2000 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
436	B	HEXACHLOROETHANE	BDL	2000 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
437	B	INDENO(1,2,3-CD)PYRENE	BDL	2000 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
438	B	ISOPHORONE	BDL	2000 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
439	B	NAPHTHALENE	3800	ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
440	B	NITROBENZENE	BDL	2000 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
442	B	N-NITROSO-DI-N-PROPYLAMINE	BDL	2000 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
443	B	N-NITROSODIPHENYLAMINE(1)	BDL	2000 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
444	B	PHENANTHRENE	1500	J ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
445	B	PYRENE	200	J ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
446	B	1,2,4-TRICHLOROBENZENE	BDL	2000 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
474	B	BENZYL ALCOHOL	BDL	2000 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
475	B	4-CHLOROANILINE	BDL	2000 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
476	B	DIBENZOFURAN	220	J ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
477	B	2-METHYLNAPHTHALENE	5000	ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
478	B	2-NITROANILINE	BDL	10000 ug/l	BDL	100 ug/l	BDL	100 ug/l	BDL	100 ug/l
479	B	3-NITROANILINE	BDL	10000 ug/l	BDL	100 ug/l	BDL	100 ug/l	BDL	100 ug/l
480	B	4-NITROANILINE	BDL	10000 ug/l	BDL	100 ug/l	BDL	100 ug/l	BDL	100 ug/l
601	A	2-CHLOROPHENOL	BDL	2000 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
602	A	2,4-DICHLOROPHENOL	BDL	2000 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
603	A	2,4-DIMETHYLPHENOL	BDL	2000 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
604	A	4,6-DINITRO-2-METHYLPHENOL	BDL	10000 ug/l	BDL	100 ug/l	BDL	100 ug/l	BDL	100 ug/l
605	A	2,4-DINITROPHENOL	BDL	10000 ug/l	BDL	100 ug/l	BDL	100 ug/l	BDL	100 ug/l
606	A	2-NITROPHENOL	BDL	2000 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
607	A	4-NITROPHENOL	BDL	10000 ug/l	BDL	100 ug/l	BDL	100 ug/l	BDL	100 ug/l
608	A	P-CHLORO-3-METHYLPHENOL	BDL	2000 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
609	A	PENTACHLOROPHENOL	13000	ug/l	BDL	20 ug/l	1000	D ug/l	12	J ug/l
610	A	PHENOL	BDL	2000 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
611	A	2,4,6-TRICHLOROPHENOL	BDL	2000 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
620	A	2-METHYLPHENOL	BDL	2000 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
622	A	4-METHYLPHENOL	BDL	2000 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
625	A	BENZOIC ACID	BDL	10000 ug/l	BDL	100 ug/l	BDL	100 ug/l	BDL	100 ug/l
626	A	2,4,5-TRICHLOROPHENOL	BDL	10000 ug/l	BDL	100 ug/l	BDL	100 ug/l	BDL	100 ug/l
		PESTICIDE/PCB LAB ID #	144160		144132		144140		144158	
		==========	======		======		======		======	
701	P	ALDRIN	BDL	1 ug/l	BDL	0.05 ug/l	BDL	0.05 ug/l	BDL	0.05 ug/l
702	P	ALPHA-BHC	BDL	1 ug/l	BDL	0.05 ug/l	BDL	0.05 ug/l	BDL	0.05 ug/l
703	P	BETA-BHC	18	ug/l	BDL	0.05 ug/l	0.59	ug/l	0.1	ug/l
704	P	GAMMA-BHC	BDL	1 ug/l	BDL	0.05 ug/l	BDL	0.05 ug/l	BDL	0.05 ug/l
705	P	DELTA-BHC	BDL	1 ug/l	BDL	0.05 ug/l	BDL	0.05 ug/l	BDL	0.05 ug/l
706	P	CHLORDANE	BDL	10 ug/l	BDL	0.5 ug/l	BDL	0.5 ug/l	BDL	0.5 ug/l

AR300548

	SITE	86021		86021		86021		86021	
	SAMPLE	HAV-2		HAV-7		HAV-8		HAV-10	
	DATE	07/30/87		08/01/87		08/01/87		08/01/87	
	MATRIX	GNDWAT		GNDWAT		GNDWAT		GNDWAT	
CMPD CL	CMPD-DESC								
707 P	4,4'-DDT	BDL	2 ug/l	BDL	0.1 ug/l	BDL	0.1 ug/l	BDL	0.1 ug/l
708 P	4,4'-DDE	BDL	2 ug/l	BDL	0.1 ug/l	BDL	0.1 ug/l	BDL	0.1 ug/l
709 P	4,4'-DDD	BDL	2 ug/l	BDL	0.1 ug/l	BDL	0.1 ug/l	BDL	0.1 ug/l
710 P	DIELDRIN	BDL	2 ug/l	BDL	0.1 ug/l	BDL	0.1 ug/l	BDL	0.1 ug/l
711 P	ALPHA-ENDOSULFAN	BDL	1 ug/l	BDL	0.05 ug/l	BDL	0.05 ug/l	BDL	0.05 ug/l
712 P	BETA-ENDOSULFAN	BDL	2 ug/l	BDL	0.1 ug/l	BDL	0.1 ug/l	BDL	0.1 ug/l
713 P	ENDOSULFAN SULFATE	BDL	2 ug/l	BDL	0.1 ug/l	BDL	0.1 ug/l	BDL	0.1 ug/l
714 P	ENDRIN	BDL	2 ug/l	BDL	0.1 ug/l	BDL	0.1 ug/l	BDL	0.1 ug/l
716 P	HEPTACHLOR	BDL	1 ug/l	BDL	0.05 ug/l	BDL	0.05 ug/l	BDL	0.05 ug/l
717 P	HEPTACHLOR EPOXIDE	BDL	1 ug/l	BDL	0.5 ug/l	BDL	0.5 ug/l	BDL	0.05 ug/l
718 P	PCB-1242	BDL	10 ug/l	BDL	1 ug/l	BDL	1 ug/l	BDL	0.5 ug/l
719 P	PCB-1254	BDL	20 ug/l	BDL	0.5 ug/l	BDL	0.5 ug/l	BDL	1 ug/l
720 P	PCB-1221	BDL	10 ug/l	BDL	0.5 ug/l	BDL	0.5 ug/l	BDL	0.5 ug/l
721 P	PCB-1232	BDL	10 ug/l	BDL	0.5 ug/l	BDL	0.5 ug/l	BDL	0.5 ug/l
722 P	PCB-1248	BDL	10 ug/l	BDL	1 ug/l	BDL	1 ug/l	BDL	0.5 ug/l
723 P	PCB-1260	BDL	20 ug/l	BDL	0.5 ug/l	BDL	0.5 ug/l	BDL	1 ug/l
724 P	PCB-1016	BDL	10 ug/l	BDL	1 ug/l	BDL	1 ug/l	BDL	0.5 ug/l
725 P	TOXAPHENE	BDL	20 ug/l	BDL	0.5 ug/l	BDL	0.5 ug/l	BDL	1 ug/l
726 P	P,P'-METHOXYCHLOR	BDL	10 ug/l	BDL	1 ug/l	BDL	1 ug/l	BDL	0.5 ug/l
739 P	ENDRIN KETONE	BDL	2 ug/l	BDL	0.05 ug/l	BDL	0.05 ug/l	BDL	0.1 ug/l
	OIL & GREASE LAB ID #	144147		144131		144133		144143	
	==========	======		======		======		======	
1033 C	OIL AND GREASE	290	mg/l	BDL	2	2.2	mg/l	BDL	2 mg/l
1001 C	CYANIDE	BDL	10 ug/l	BDL	10 ug/l	BROKEN	BY CCL	BDL	10 ug/l

AR300549

SITE:	86021	86021	86021	86021	86021	86021	86021
POINT:	HAV-2	HAV-7	HAV-8	NW-1	NW-2	NW-3	NW-6
LAB ID #:	30648-3RX		30648-1RI		30648-12	30648-9	30648-10
GC/MS DATE:	8-26-87	BROKEN IN TRANSIT	8-19-87	BROKEN IN TRANSIT	8-20-87	8-19-87	8-19-87
MATRIX:	WA		WA		WA	WA	WA
TCDD	BDL 1.2 ppt		BDL 0.081 ppt		0.11 ppt	BDL 0.04 ppt	BDL 0.031 ppt
2378 TCDD	BDL 1.6 ppt		BDL 0.081 ppt		BDL 0.048 ppt	BDL 0.04 ppt	BDL 0.031 ppt
PnCDD	BDL 1.9 ppt		BDL 0.26 ppt		BDL 0.17 ppt	BDL 0.091 ppt	BDL 0.13 ppt
12378 PnCDD	BDL 4.0 ppt				BDL 0.16 ppt		
HxCDD	250 ppt		BDL 0.17 ppt		BDL 6.4 ppt	BDL 0.10 ppt	BDL 0.13 ppt
123478 HxCDD	BDL 8.4 ppt				BDL 0.47 ppt		
123678 HxCDD	178 ppt				3.6 ppt		
123789 HxCDD	BDL x 14 ppt				BDL x0.38 ppt		
HpCDD	3520 ppt		BDL 0.59 ppt		76 ppt	BDL 0.33 ppt	4.2 ppt
1234678 HpCDD	5870 ppt				108 ppt		
OCDD	27700 ppt		BDL 2.5 ppt		509 ppt	BDL 2.2 ppt	16 ppt

(x MPC)

AR300550

SITE:	86021	86021	86021	86021
POINT:	R-2	R-2(DUP)	R-2	R-4
LAB ID #:	30648-2RX	30648-13	30648-14	30648-11
GC/MS DATE:	8-25-87	8-20-87	8-20-87	8-20-87
MATRIX:	PRODUCT	WA	WA	WA
TCDD	BDL 1.6 ppt	BDL 0.079 ppt	BDL 0.051 ppt	BDL 0.029 ppt
2378 TCDD	BDL 2.6 ppt	BDL 0.16 ppt	BDL 0.069 ppt	BDL 0.029 ppt
PeCDD	BDL 3.9 ppt	BDL 0.18 ppt	BDL 0.18 ppt	BDL 0.092 ppt
12378 PeCDD	BDL 7.5 ppt	BDL 0.59 ppt	BDL 0.18 ppt	
HxCDD	280 ppt	15.5 ppt	11 ppt	BDL 0.10 ppt
123478 HxCDD	BDL 14.9 ppt	BDL 1.5 ppt	BDL 0.32 ppt	
123678 HxCDD	199 ppt	9.3 ppt	7.4 ppt	
123789 HxCDD	BDL 21.4 ppt	BDL 1.2 ppt	0.54 ppt	
HpCDD	4290 ppt	227 ppt	147 ppt	2.0 ppt
1234678 HpCDD	7110 ppt	335 ppt	239 ppt	
OCDD	37900 ppt	2020 ppt	1440 ppt	8.6 ppt

(* MPC)

AR300551

SITE:	86021	86021	86021	86021	86021	86021	86021
POINT:	HAV-2	HAV-7	HAV-8	NW-1	NW-2	NW-3	NW-6
LAB ID #:	30648-3RX		30648-1R1		30648-12	30648-9	30648-10
GC/MS DATE:	8-26-87	BROKEN IN TRANSIT	8-19-87	BROKEN IN TRANSIT	8-20-87	8-19-88	8-19-87
MATIRX:	WA		WA		WA	WA	WA
COP NAME							
TCDF	BDL 0.9 ppt		BDL 0.032 ppt		0.11 ppt	BDL 0.039 ppt	BDL 0.028 ppt
2378 TCDF	BDL 1.2 ppt		BDL 0.032 ppt		BDL 0.048 ppt	BDL 0.039 ppt	BDL 0.028 ppt
PnCDF	18.8 ppt		BDL 0.40 ppt		0.16 ppt	BDL 0.76 ppt	BDL 0.11 ppt
12378 PnCDF	4.0 ppt				BDL 0.084 ppt		
23478 PnCDF	BDL 3.1 ppt				BDL 0.089 ppt		
HxCDF	1290 ppt		BDL 0.12 ppt		35.3 ppt	BDL 0.063 ppt	0.049 ppt
123478 HxCDF	28.2 ppt				0.042 ppt		
123678 HxCDF	BDL 6.5 ppt				BDL 0.09 ppt		
123789 HxCDF	7.3 ppt				0.16 ppt		
234678 HxCDF	BDL 12.4 ppt				BDL 0.25 ppt		
HpCDF	8516 ppt		BDL 0.59 ppt		228 ppt	BDL ≈0.42 ppt	3.7 ppt
1234678 HpCDF	1620 ppt				50 ppt		
1234789 HpCDF	64.2 ppt				1.5 ppt		
OCDF	16100 ppt		BDL 0.75 ppt		350 ppt	BDL 0.54 ppt	5.2 ppt

(≈ MPC)

AR300552

SITE:	86021	86021	86021	86021	86021	86021
POINT:	R-2	R-2(DUP)	R-2	R-4	SW-1	SW-2
LAB ID #:	30648-2RX	30648-13	30648-13	30648-11	30648-17	30648-15
GC/MS DATE:	8-25-87	8-20-87	8-20-87	8-20-87	8-20-87	8-20-87
MATIRX:	PRODUCT	WA	WA	WA	WA	WA
COP NAME						
TCDF	BDL 2.2 ppt	BDL 0.099 ppt	BDL 0.034 ppt	BDL 0.022 ppt	BDL 0.023 ppt	BDL 0.024 ppt
2378 TCDF	BDL 4.4 ppt	BDL 0.15 ppt	BDL 0.069 ppt	BDL 0.022 ppt	BDL 0.023 ppt	BDL 0.024 ppt
PnCDF	22.5 ppt	0.96 ppt	1.1 ppt	BDL 0.075 ppt	BDL 0.2 ppt	BDL 0.13 ppt
12378 PnCDF	BDL 6 ppt	BDL 0.31 ppt	0.14 ppt			
23478 PnCDF	BDL 4.5 ppt	BDL 0.42 ppt	BDL 0.13 ppt			
HxCDF	1424 ppt	82.2 ppt	52.3 ppt	BDL 0.18 ppt	BDL 0.17 ppt	0.49 ppt
123478 HxCDF	35.1 ppt	BDL 11.8 ppt	1.3 ppt			
123678 HxCDF	BDL 14 ppt	BDL 0.65 ppt	BDL 0.39 ppt			
123789 HxCDF	10.2 ppt	0.47 ppt	0.37 ppt			
234678 HxCDF	BDL 24.2 ppt	4.3 ppt	BDL 0.4 ppt			
HpCDF	9461 ppt	518 ppt	346 ppt	1.5 ppt	1.4 ppt	0.46 ppt
1234678 HpCDF	18600 ppt	96 ppt	63.4 ppt			
1234789 HpCDF	79.3 ppt	3.7 ppt	2.8 ppt			
OCDF	17100 ppt	892 ppt	662 ppt	3.1 ppt	2.5 ppt	7.0 ppt

(X MPC)

AR300553

2.5 Groundwater Sample Results

2.5.2 Round 2

	SITE	86021	86021	86021	86021
	SAMPLE	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK
	CCN	184243	185215	185400	185710
	DATE	03/09/88	03/14/88	03/15/88	03/16/88
	MATRIX	WA	WA	WA	WA
203 V	Benzene	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l
205 V	Bromoform	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l
206 V	Carbon Tetrachloride	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l
207 V	Chlorobenzene	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l
208 V	Dibromochloromethane	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l
209 V	Chloroethane	BDL 10 ug/l	BDL 10 ug/l	BDL 10 ug/l	BDL 10 ug/l
211 V	Chloroform	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l
212 V	Bromodichloromethane	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l
214 V	1,1-Dichloroethane	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l
215 V	1,2-Dichloroethane	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l
216 V	1,1-Dichloroethene	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l
217 V	1,2-Dichloropropane	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l
218 V	cis-1,3-Dichloropropene	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l
219 V	Ethylbenzene	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l
220 V	Bromomethane	BDL 10 ug/l	BDL 10 ug/l	BDL 10 ug/l	BDL 10 ug/l
221 V	Chloromethane	BDL 10 ug/l	BDL 10 ug/l	BDL 10 ug/l	BDL 10 ug/l
222 V	Methylene Chloride	2 J ug/l	3 B J ug/l	4 B J ug/l	4 B J ug/l
223 V	1,1,2,2-Tetrachloroethane	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l
224 V	Tetrachloroethene	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l
225 V	Toluene	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l
227 V	1,1,1-Trichloroethane	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l
228 V	1,1,2-Trichloroethane	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l
229 V	Trichloroethene	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l
231 V	Vinyl Chloride	BDL 10 ug/l	BDL 10 ug/l	BDL 10 ug/l	BDL 10 ug/l
250 V	Trans-1,3-Dichloropropene	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l
251 V	Styrene	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l
252 V	Acetone	BDL 10 ug/l	10 B ug/l	BDL 10 ug/l	5 B J ug/l
253 V	2-Butanone	BDL 10 ug/l	BDL 10 ug/l	BDL 10 ug/l	BDL 10 ug/l
254 V	Carbon Disulfide	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l
255 V	2-Hexanone	BDL 10 ug/l	BDL 10 ug/l	BDL 10 ug/l	BDL 10 ug/l
256 V	4-Methyl-2-pentanone	BDL 10 ug/l	BDL 10 ug/l	BDL 10 ug/l	BDL 10 ug/l
257 V	Vinyl Acetate	BDL 10 ug/l	BDL 10 ug/l	BDL 10 ug/l	BDL 10 ug/l
289 V	Xylenes (Total)	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l
299 V	1,2-Dichloroethene(Total)	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l

AR300555

	SITE	86021		86021		86021		86021		86021		86021		86021	
	SAMPLE	CW-1-D		CW-1-I		CW-1-S		CW-2-D		CW-2-D-DUP		CW-2-I		CW-2-S	
	DATE	03/14/88		03/14/88		03/14/88		03/14/88		03/14/88		03/14/88		03/14/88	
	MATRIX	GNDWAT		GNDWAT		GNDWAT		GNDWAT		GNDWAT		GNDWAT		GNDWAT	
CMPD															
224 V	Tetrachloroethene	BDL	25 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l
225 V	Toluene	BDL	25 ug/l	BDL	5 ug/l	BDL	5 ug/l	4	J ug/l	3	J ug/l	7	ug/l	15	ug/l
227 V	1,1,1-Trichloroethane	BDL	25 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l
228 V	1,1,2-Trichloroethane	BDL	25 ug/l	2	J ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l
229 V	Trichloroethene	1700	ug/l	700	D ug/l	74	ug/l	10	ug/l	9	ug/l	1	J ug/l	1	J ug/l
231 V	Vinyl Chloride	46	J ug/l	15	ug/l	2	J ug/l	BDL	10 ug/l	BDL	10 ug/l	BDL	10 ug/l	BDL	10 ug/l
250 V	Trans-1,3-Dichloropropene	BDL	25 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l
251 V	Styrene	BDL	25 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l
252 V	Acetone	34	BJ ug/l	8	J ug/l	8	J ug/l	12	B ug/l	7	BJ ug/l	7	J ug/l	13	ug/l
253 V	2-Butanone	BDL	50 ug/l	BDL	10 ug/l	BDL	10 ug/l	BDL	10 ug/l	BDL	10 ug/l	BDL	10 ug/l	BDL	10 ug/l
254 V	Carbon Disulfide	BDL	25 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l
255 V	2-Hexanone	BDL	50 ug/l	BDL	10 ug/l	BDL	10 ug/l	BDL	10 ug/l	BDL	10 ug/l	BDL	10 ug/l	BDL	10 ug/l
256 V	4-Methyl-2-pentanone	BDL	50 ug/l	BDL	10 ug/l	BDL	10 ug/l	BDL	10 ug/l	BDL	10 ug/l	BDL	10 ug/l	BDL	10 ug/l
257 V	Vinyl Acetate	BDL	50 ug/l	BDL	10 ug/l	BDL	10 ug/l	BDL	10 ug/l	BDL	10 ug/l	BDL	10 ug/l	BDL	10 ug/l
289 V	Xylenes (Total)	BDL	50 ug/l	BDL	10 ug/l	BDL	10 ug/l	74	ug/l	60	ug/l	110	ug/l	150	ug/l
299 V	1,2-Dichloroethene(Total)	720	ug/l	300	D ug/l	30	ug/l	3	J ug/l	2	J ug/l	BDL	5 ug/l	BDL	5 ug/l
	ACID EXTRACT./ BASE NEUT. LAB I.D.#	185187		185183		185144		185188		185189		185149		185133	
	==========	======		======		======		======		======		======		======	
401 B	Acenaphthene	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	9	J ug/l
402 B	Acenaphthylene	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
403 B	Anthracene	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	2	J ug/l
405 B	Benzo(a)Anthracene	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
406 B	Benzo(a)Pyrene	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
407 B	Benzo(b)Fluoranthene	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
408 B	Benzo(g,h,i)Perylene	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
409 B	Benzo(k)Fluoranthene	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
410 B	bis(-2-Chloroethoxy)Methane	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
411 B	bis(-2-Chloroethyl)Ether	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
412 B	bis(2-chloroisopropyl)Ether	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
413 B	bis(2-Ethylhexyl)Phthalate	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
414 B	4-Bromophenyl-phenylether	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
415 B	Butylbenzylphthalate	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
416 B	2-Chloronaphthalene	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
417 B	4-Chlorophenyl-phenylether	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
418 B	Chrysene	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
419 B	Dibenz(a,h)Anthracene	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
420 B	1,2-Dichlorobenzene	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
421 B	1,3-Dichlorobenzene	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
422 B	1,4-Dichlorobenzene	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
423 B	3,3'-Dichlorobenzidine	BDL	40 ug/l	BDL	40 ug/l	BDL	40 ug/l	BDL	40 ug/l	BDL	40 ug/l	BDL	40 ug/l	BDL	40 ug/l
424 B	Diethylphthalate	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
425 B	Dimethyl Phthalate	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
426 B	Di-n-Butylphthalate	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
427 B	2,4-Dinitrotoluene	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
428 B	2,6-Dinitrotoluene	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
429 B	Di-n-Octyl Phthalate	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l

CMPD	SITE	86021		86021		86021		86021		86021		86021		86021	
	SAMPLE	CW-1-D		CW-1-I		CW-1-S		CW-2-D		CW-2-D-DUP		CW-2-I		CW-2-S	
	DATE	03/14/88		03/14/88		03/14/88		03/14/88		03/14/88		03/14/88		03/14/88	
	MATRIX	GNDWAT		GNDWAT		GNDWAT		GNDWAT		GNDWAT		GNDWAT		GNDWAT	
	METALS LAB I. D. #	185198		185195		185190		185199		185200		185191		185135	
	==========	======		======		======		======		======		======		======	
101 M	ANTIMONY	BDL	53 UG/L	BDL	53 UG/L	BDL	53 UG/L	BDL	53 UG/L	BDL	53 UG/L	BDL	53 UG/L	BDL	53 UG/L
102 M	ARSENIC	BDL	1.5 UG/L	BDL	1.5 UG/L	BDL	1.5 UG/L	BDL	1.5 UG/L	BDL	1.5 UG/L	BDL	1.5 UG/L	BDL	1.5 UG/L
103 M	BERYLLIUM	BDL	1 UG/L	1.6	[]P UG/L	1.9	[]P UG/L	BDL	1 UG/L	BDL	1 UG/L	1.9	[]P UG/L	BDL	1 UG/L
104 M	CADMIUM	BDL	5 UG/L	BDL	5 UG/L	BDL	5 UG/L	BDL	5 UG/L	BDL	5 UG/L	BDL	5 UG/L	BDL	5 UG/L
105 M	CHROMIUM	BDL	5 UG/L	BDL	5 UG/L	BDL	5 UG/L	BDL	5 UG/L	BDL	5 UG/L	BDL	5 UG/L	BDL	5 UG/L
106 M	COPPER	BDL	20 UG/L	BDL	20 UG/L	BDL	20 UG/L	BDL	20 UG/L	BDL	20 UG/L	BDL	20 UG/L	BDL	20 UG/L
107 M	LEAD	BDL	2.5 UG/L	BDL	2.5 UG/L	BDL	2.5 UG/L	BDL	2.5 UG/L	BDL	2.5 UG/L	BDL	2.5 UG/L	BDL	2.5 UG/L
108 M	MERCURY	BDL	0.2 UG/L	BDL	0.2 UG/L	BDL	0.2 UG/L	BDL	0.2 UG/L	BDL	0.2 UG/L	BDL	0.2 UG/L	BDL	0.2 UG/L
109 M	NICKEL	BDL	39 UG/L	BDL	39 UG/L	BDL	39 UG/L	BDL	39 UG/L	BDL	39 UG/L	BDL	39 UG/L	BDL	39 UG/L
110 M	SELENIUM	BDL	1.3 UG/L	BDL	1.3 UG/L	BDL	1.3 UG/L	BDL	1.3 UG/L	BDL	1.3 UG/L	BDL	1.3 UG/L	2.5	[]F NUG/L
111 M	SILVER	BDL	8 UG/L	BDL	8 UG/L	BDL	8 UG/L	BDL	8 UG/L	BDL	8 UG/L	BDL	8 UG/L	BDL	8 UG/L
112 M	THALLIUM	BDL	2.2 UG/L	BDL	2.2 UG/L	BDL	2.2 UG/L	BDL	2.2 UG/L	BDL	2.2 UG/L	BDL	2.2 UG/L	BDL	2.2 UG/L
113 M	ZINC	8.1	[]P UG/L	16	[]P UG/L	33	P UG/L	53	P UG/L	50	P UG/L	219	P UG/L	77	P UG/L
114 M	BARIUM	63	[]P UG/L	29	[]P UG/L	29	[]P UG/L	24	[]P UG/L	26	[]P UG/L	33	[]P UG/L	65	[]P EUG/L
115 M	IRON	96500	P UG/L	61300	P UG/L	20600	P UG/L	1090	P UG/L	1140	P UG/L	353	P UG/L	111	P UG/L
116 M	MANGANESE	10300	P UG/L	14700	P UG/L	13200	P UG/L	9860	P UG/L	10200	P UG/L	7120	P UG/L	7550	P UG/L
117 M	VANADIUM	BDL	3 UG/L	BDL	3 UG/L	BDL	3 UG/L	BDL	3 UG/L	BDL	3 UG/L	BDL	3 UG/L	4.7	[]P UG/L
118 M	ALUMINUM	BDL	43 UG/L	BDL	43 UG/L	51	[]P UG/L	BDL	43 UG/L	BDL	43 UG/L	144	[]P UG/L	48	[]P UG/L
120 M	COBALT	BDL	5 UG/L	171	P UG/L	362	P UG/L	413	P UG/L	424	P UG/L	241	P UG/L	210	P UG/L
121 M	MAGNESIUM	20500	P UG/L	25600	P UG/L	28700	P UG/L	17200	P UG/L	17400	P UG/L	11400	P UG/L	12500	P E UG/L
129 M	Calcium	44800	P UG/L	81600	P UG/L	99300	P UG/L	43900	P UG/L	45200	P UG/L	28400	P UG/L	33500	P E UG/L
130 M	Sodium	51200	P UG/L	57900	P UG/L	39000	P UG/L	20100	P UG/L	19700	P UG/L	15900	P UG/L	13300	P E UG/L
131 M	Potassium	4620	[]P UG/L	6160	P UG/L	4120	[]P UG/L	BDL	2400 UG/L	BDL	2400 UG/L	BDL	2400 UG/L	4150	[]P UG/L
	VOC LAB I.D. #	185187		185183		185144		185188		185189		185149		185133	
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203 V	Benzene	8	J ug/l	1	J ug/l	BDL	5 ug/l	4	J ug/l	3	J ug/l	BDL	5 ug/l	BDL	5 ug/l
205 V	Bromoform	BDL	25 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l
206 V	Carbon Tetrachloride	BDL	25 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l
207 V	Chlorobenzene	BDL	25 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l
208 V	Dibromochloromethane	BDL	25 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l
209 V	Chloroethane	BDL	50 ug/l	BDL	10 ug/l	BDL	10 ug/l	BDL	10 ug/l	BDL	10 ug/l	BDL	10 ug/l	BDL	10 ug/l
211 V	Chloroform	BDL	25 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l
212 V	Bromodichloromethane	BDL	25 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l
214 V	1,1-Dichloroethane	BDL	25 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l
215 V	1,2-Dichloroethane	BDL	25 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l
216 V	1,1-Dichloroethene	10	J ug/l	3	J ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l
217 V	1,2-Dichloropropane	BDL	25 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l
218 V	cis-1,3-Dichloropropene	BDL	25 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l
219 V	Ethylbenzene	BDL	25 ug/l	BDL	5 ug/l	2	J ug/l	8	ug/l	7	ug/l	15	ug/l	20	ug/l
220 V	Bromomethane	BDL	50 ug/l	BDL	10 ug/l	BDL	10 ug/l	BDL	10 ug/l	BDL	10 ug/l	BDL	10 ug/l	BDL	10 ug/l
221 V	Chloromethane	BDL	50 ug/l	BDL	10 ug/l	BDL	10 ug/l	BDL	10 ug/l	BDL	10 ug/l	BDL	10 ug/l	BDL	10 ug/l
222 V	Methylene Chloride	18	BJ ug/l	1	BJ ug/l	BDL	5 ug/l	4	BJ ug/l	3	BJ ug/l	BDL	5 ug/l	BDL	5 ug/l
223 V	1,1,2,2-Tetrachloroethane	BDL	25 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l

	SITE	86021		86021		86021		86021		86021		86021		86021	
	SAMPLE	CW-1-D		CW-1-I		CW-1-S		CW-2-D		CW-2-D-DUP		CW-2-I		CW-2-S	
	DATE	03/14/88		03/14/88		03/14/88		03/14/88		03/14/88		03/14/88		03/14/88	
	MATRIX	GNDWAT		GNDWAT		GNDWAT		GNDWAT		GNDWAT		GNDWAT		GNDWAT	
CMPD															
431 B	Fluoranthene	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
432 B	Fluorene	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	3	J ug/l	3	J ug/l	4	J ug/l	14	J ug/l
433 B	Hexachlorobenzene	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
434 B	Hexachlorobutadiene	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
435 B	Hexachlorocyclopentadiene	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
436 B	Hexachloroethane	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
437 B	Indeno(1,2,3-cd)Pyrene	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
438 B	Isophorone	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
439 B	Naphthalene	BDL	20 ug/l	2	J ug/l	BDL	20 ug/l	97	ug/l	76	ug/l	BDL	20 ug/l	900	D ug/l
440 B	Nitrobenzene	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
442 B	N-Nitroso-Di-n-Propylamine	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
443 B	N-Nitrosodiphenylamine(1)	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
444 B	Phenanthrene	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	8	J ug/l	8	J ug/l	8	J ug/l	19	J ug/l
445 B	Pyrene	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	2	J ug/l
446 B	1,2,4-Trichlorobenzene	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
474 B	Benzyl Alcohol	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
475 B	4-Chloroaniline	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
476 B	Dibenzofuran	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	4	J ug/l	3	J ug/l	2	J ug/l	8	J ug/l
477 B	2-Methylnaphthalene	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	41	ug/l	32	ug/l	120	ug/l	260	DJ ug/l
478 B	2-Nitroaniline	BDL	100 ug/l	BDL	100 ug/l	BDL	100 ug/l	BDL	100 ug/l	BDL	100 ug/l	BDL	100 ug/l	BDL	100 ug/l
479 B	3-Nitroaniline	BDL	100 ug/l	BDL	100 ug/l	BDL	100 ug/l	BDL	100 ug/l	BDL	100 ug/l	BDL	100 ug/l	BDL	100 ug/l
480 B	4-Nitroaniline	BDL	100 ug/l	BDL	100 ug/l	BDL	100 ug/l	BDL	100 ug/l	BDL	100 ug/l	BDL	100 ug/l	BDL	100 ug/l
601 A	2-Chlorophenol	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
602 A	2,4-Dichlorophenol	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
603 A	2,4-Dimethylphenol	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
604 A	4,6-Dinitro-2-Methylphenol	BDL	100 ug/l	BDL	100 ug/l	BDL	100 ug/l	BDL	100 ug/l	BDL	100 ug/l	BDL	100 ug/l	BDL	100 ug/l
605 A	2,4-Dinitrophenol	BDL	100 ug/l	BDL	100 ug/l	BDL	100 ug/l	BDL	100 ug/l	BDL	100 ug/l	BDL	100 ug/l	BDL	100 ug/l
606 A	2-Nitrophenol	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
607 A	4-Nitrophenol	BDL	100 ug/l	BDL	100 ug/l	BDL	100 ug/l	BDL	100 ug/l	BDL	100 ug/l	BDL	100 ug/l	BDL	100 ug/l
608 A	4-Chloro-3-Methylphenol	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
609 A	Pentachlorophenol	6	J ug/l	27	ug/l	160	ug/l	1400	D ug/l	2800	D ug/l	4100	D ug/l	2800	D ug/l
610 A	Phenol	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
611 A	2,4,6-Trichlorophenol	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
620 A	2-Methylphenol	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
622 A	4-Methylphenol	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
625 A	Benzoic Acid	BDL	100 ug/l	BDL	100 ug/l	BDL	100 ug/l	10	J ug/l	BDL	100 ug/l	BDL	100 ug/l	BDL	100 ug/l
626 A	2,4,5-Trichlorophenol	BDL	100 ug/l	BDL	100 ug/l	BDL	100 ug/l	BDL	100 ug/l	BDL	100 ug/l	BDL	100 ug/l	BDL	100 ug/l
	PESTICIDE/ PCB LAB ID #	185187		185183		185144		185188		185189		185149		185133	
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701 P	ALDRIN	BDL	0.05 ug/l	BDL	0.05 ug/l	BDL	0.05 ug/l	BDL	0.05 ug/l	BDL	0.05 ug/l	BDL	0.05 ug/l	BDL	0.05 ug/l
702 P	ALPHA-BHC	BDL	0.05 ug/l	BDL	0.05 ug/l	BDL	0.05 ug/l	BDL	0.05 ug/l	BDL	0.05 ug/l	BDL	0.05 ug/l	BDL	0.05 ug/l
703 P	BETA-BHC	BDL	0.05 ug/l	BDL	0.05 ug/l	BDL	0.05 ug/l	BDL	0.05 ug/l	BDL	0.05 ug/l	BDL	0.05 ug/l	BDL	0.05 ug/l
704 P	GAMMA-BHC	BDL	0.05 ug/l	BDL	0.05 ug/l	BDL	0.05 ug/l	0.38	ug/l	BDL	0.05 ug/l	BDL	0.05 ug/l	BDL	0.05 ug/l
705 P	DELTA-BHC	BDL	0.05 ug/l	BDL	0.05 ug/l	BDL	0.05 ug/l	0.35	ug/l	BDL	0.05 ug/l	BDL	0.05 ug/l	BDL	0.05 ug/l
707 P	4,4'-DDT	BDL	0.1 ug/l	BDL	0.1 ug/l	BDL	0.1 ug/l	BDL	0.1 ug/l	BDL	0.1 ug/l	BDL	0.1 ug/l	BDL	0.1 ug/l
708 P	4,4'-DDE	BDL	0.1 ug/l	BDL	0.1 ug/l	BDL	0.1 ug/l	BDL	0.1 ug/l	BDL	0.1 ug/l	BDL	0.1 ug/l	BDL	0.1 ug/l

CMPD	SITE	86021	86021	86021	86021	86021	86021	86021
	SAMPLE	CW-1-D	CW-1-I	CW-1-S	CW-2-D	CW-2-D-DUP	CW-2-I	CW-2-S
	DATE	03/14/88	03/14/88	03/14/88	03/14/88	03/14/88	03/14/88	03/14/88
	MATRIX	GWDWAT	GWDWAT	GWDWAT	GWDWAT	GWDWAT	GWDWAT	GWDWAT
	METALS LAB I. D. #	185198	185195	185190	185199	185200	185191	185135
101 M	ANTIMONY	BDL 53 UG/L	BDL 53 UG/L	BDL 53 UG/L	BDL 53 UG/L	BDL 53 UG/L	BDL 53 UG/L	BDL 53 UG/L
102 M	ARSENIC	BDL 1.5 UG/L	BDL 1.5 UG/L	BDL 1.5 UG/L	BDL 1.5 UG/L	BDL 1.5 UG/L	BDL 1.5 UG/L	BDL 1.5 UG/L
103 M	BERYLLIUM	BDL 1 UG/L	1.6 []P UG/L	1.9 []P UG/L	BDL 1 UG/L	BDL 1 UG/L	1.9 []P UG/L	BDL 1 UG/L
104 M	CADMIUM	BDL 5 UG/L	BDL 5 UG/L	BDL 5 UG/L	BDL 5 UG/L	BDL 5 UG/L	BDL 5 UG/L	BDL 5 UG/L
105 M	CHROMIUM	BDL 5 UG/L	BDL 5 UG/L	BDL 5 UG/L	BDL 5 UG/L	BDL 5 UG/L	BDL 5 UG/L	BDL 5 UG/L
106 M	COPPER	BDL 20 UG/L	BDL 20 UG/L	BDL 20 UG/L	BDL 20 UG/L	BDL 20 UG/L	BDL 20 UG/L	BDL 20 UG/L
107 M	LEAD	BDL 2.5 UG/L	BDL 2.5 UG/L	BDL 2.5 UG/L	BDL 2.5 UG/L	BDL 2.5 UG/L	BDL 2.5 UG/L	BDL 2.5 UG/L
108 M	MERCURY	BDL 0.2 UG/L	BDL 0.2 UG/L	BDL 0.2 UG/L	BDL 0.2 UG/L	BDL 0.2 UG/L	BDL 0.2 UG/L	BDL 0.2 UG/L
109 M	NICKEL	BDL 39 UG/L	BDL 39 UG/L	BDL 39 UG/L	BDL 39 UG/L	BDL 39 UG/L	BDL 39 UG/L	BDL 39 UG/L
110 M	SELENIUM	BDL 1.3 UG/L	BDL 1.3 UG/L	BDL 1.3 UG/L	BDL 1.3 UG/L	BDL 1.3 UG/L	BDL 1.3 UG/L	2.5 []F MUG/L
111 M	SILVER	BDL 8 UG/L	BDL 8 UG/L	BDL 8 UG/L	BDL 8 UG/L	BDL 8 UG/L	BDL 8 UG/L	BDL 8 UG/L
112 M	THALLIUM	BDL 2.2 UG/L	BDL 2.2 UG/L	BDL 2.2 UG/L	BDL 2.2 UG/L	BDL 2.2 UG/L	BDL 2.2 UG/L	BDL 2.2 UG/L
113 M	ZINC	8.1 []P UG/L	16 []P UG/L	33 P UG/L	53 P UG/L	50 P UG/L	219 P UG/L	77 P UG/L
114 M	BARIUM	63 []P UG/L	29 []P UG/L	29 []P UG/L	24 []P UG/L	26 []P UG/L	33 []P UG/L	65 []P EUG/L
115 M	IRON	96500 P UG/L	61300 P UG/L	20600 P UG/L	1090 P UG/L	1140 P UG/L	353 P UG/L	111 P UG/L
116 M	MANGANESE	10300 P UG/L	14700 P UG/L	13200 P UG/L	9860 P UG/L	10200 P UG/L	7120 P UG/L	7550 P UG/L
117 M	VANADIUM	BDL 3 UG/L	BDL 3 UG/L	BDL 3 UG/L	BDL 3 UG/L	BDL 3 UG/L	BDL 3 UG/L	4.7 []P UG/L
118 M	ALUMINUM	BDL 43 UG/L	BDL 43 UG/L	51 []P UG/L	BDL 43 UG/L	BDL 43 UG/L	144 []P UG/L	48 []P UG/L
120 M	COBALT	BDL 5 UG/L	171 P UG/L	362 P UG/L	413 P UG/L	424 P UG/L	241 P UG/L	210 P UG/L
121 M	MAGNESIUM	20500 P UG/L	25600 P UG/L	28700 P UG/L	17200 P UG/L	17400 P UG/L	11400 P UG/L	12500 P E UG/L
129 M	CALCIUM	44800 P UG/L	81600 P UG/L	99300 P UG/L	43900 P UG/L	45200 P UG/L	28400 P UG/L	33500 P E UG/L
130 M	Sodium	51200 P UG/L	57900 P UG/L	39000 P UG/L	20100 P UG/L	19700 P UG/L	15900 P UG/L	13300 P E UG/L
131 M	Potassium	4620 []P UG/L	6160 P UG/L	4120 []P UG/L	BDL 2400 UG/L	BDL 2400 UG/L	BDL 2400 UG/L	4150 []P UG/L
	VOC LAB I.D. #	185187	185183	185144	185188	185189	185149	185133
203 V	Benzene	8 J ug/l	1 J ug/l	BDL 5 ug/l	4 J ug/l	3 J ug/l	BDL 5 ug/l	BDL 5 ug/l
205 V	Bromoform	BDL 25 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l
206 V	Carbon Tetrachloride	BDL 25 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l
207 V	Chlorobenzene	BDL 25 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l
208 V	Dibromochloromethane	BDL 25 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l
209 V	Chloroethane	BDL 50 ug/l	BDL 10 ug/l	BDL 10 ug/l	BDL 10 ug/l	BDL 10 ug/l	BDL 10 ug/l	BDL 10 ug/l
211 V	Chloroform	BDL 25 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l
212 V	Bromodichloromethane	BDL 25 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l
214 V	1,1-Dichloroethane	BDL 25 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l
215 V	1,2-Dichloroethane	BDL 25 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l
216 V	1,1-Dichloroethene	10 J ug/l	3 J ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l
217 V	1,2-Dichloropropane	BDL 25 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l
218 V	cis-1,3-Dichloropropene	BDL 25 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l
219 V	Ethylbenzene	BDL 25 ug/l	BDL 5 ug/l	2 J ug/l	8 ug/l	7 ug/l	15 ug/l	20 ug/l
220 V	Bromomethane	BDL 50 ug/l	BDL 10 ug/l	BDL 10 ug/l	BDL 10 ug/l	BDL 10 ug/l	BDL 10 ug/l	BDL 10 ug/l
221 V	Chloromethane	BDL 50 ug/l	BDL 10 ug/l	BDL 10 ug/l	BDL 10 ug/l	BDL 10 ug/l	BDL 10 ug/l	BDL 10 ug/l
222 V	Methylene Chloride	18 BJ ug/l	1 BJ ug/l	BDL 5 ug/l	4 BJ ug/l	3 BJ ug/l	BDL 5 ug/l	BDL 5 ug/l
223 V	1,1,2,2-Tetrachloroethane	BDL 25 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l

	SITE	86021		86021		86021		86021		86021		86021		86021	
	SAMPLE	CW-1-D		CW-1-I		CW-1-S		CW-2-D		CW-2-D-DUP		CW-2-I		CW-2-S	
	DATE	03/14/88		03/14/88		03/14/88		03/14/88		03/14/88		03/14/88		03/14/88	
	MATRIX	GNDWAT		GNDWAT		GNDWAT		GNDWAT		GNDWAT		GNDWAT		GNDWAT	
CMPD															
224 V	Tetrachloroethene	BDL	25 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l
225 V	Toluene	BDL	25 ug/l	BDL	5 ug/l	BDL	5 ug/l	4	J ug/l	3	J ug/l	7	ug/l	15	ug/l
227 V	1,1,1-Trichloroethane	BDL	25 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l
228 V	1,1,2-Trichloroethane	BDL	25 ug/l	2	J ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l
229 V	Trichloroethene	1700	ug/l	700	D ug/l	74	ug/l	10	ug/l	9	ug/l	1	J ug/l	1	J ug/l
231 V	Vinyl Chloride	46	J ug/l	15	ug/l	2	J ug/l	BDL	10 ug/l	BDL	10 ug/l	BDL	10 ug/l	BDL	10 ug/l
250 V	Trans-1,3-Dichloropropene	BDL	25 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l
251 V	Styrene	BDL	25 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l
252 V	Acetone	34	BJ ug/l	8	J ug/l	8	J ug/l	12	B ug/l	7	BJ ug/l	7	J ug/l	13	ug/l
253 V	2-Butanone	BDL	50 ug/l	BDL	10 ug/l	BDL	10 ug/l	BDL	10 ug/l	BDL	10 ug/l	BDL	10 ug/l	BDL	10 ug/l
254 V	Carbon Disulfide	BDL	25 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l
255 V	2-Hexanone	BDL	50 ug/l	BDL	10 ug/l	BDL	10 ug/l	BDL	10 ug/l	BDL	10 ug/l	BDL	10 ug/l	BDL	10 ug/l
256 V	4-Methyl-2-pentanone	BDL	50 ug/l	BDL	10 ug/l	BDL	10 ug/l	BDL	10 ug/l	BDL	10 ug/l	BDL	10 ug/l	BDL	10 ug/l
257 V	Vinyl Acetate	BDL	50 ug/l	BDL	10 ug/l	BDL	10 ug/l	BDL	10 ug/l	BDL	10 ug/l	BDL	10 ug/l	BDL	10 ug/l
289 V	Xylenes (Total)	BDL	50 ug/l	BDL	10 ug/l	BDL	10 ug/l	74	ug/l	60	ug/l	110	ug/l	150	ug/l
299 V	1,2-Dichloroethene(Total)	720	ug/l	300	D ug/l	30	ug/l	3	J ug/l	2	J ug/l	BDL	5 ug/l	BDL	5 ug/l
	ACID EXTRACT./ BASE NEUT. LAB I.D.#	185187		185183		185144		185188		185189		185149		185133	
	==========	======		======		======		======		======		======		======	
401 B	Acenaphthene	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	9	J ug/l
402 B	Acenaphthylene	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
403 B	Anthracene	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	2	J ug/l
405 B	Benzo(a)Anthracene	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
406 B	Benzo(a)Pyrene	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
407 B	Benzo(b)Fluoranthene	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
408 B	Benzo(g,h,i)Perylene	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
409 B	Benzo(k)Fluoranthene	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
410 B	bis(-2-Chloroethoxy)Methane	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
411 B	bis(-2-Chloroethyl)Ether	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
412 B	bis(2-chloroisopropyl)Ether	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
413 B	bis(2-Ethylhexyl)Phthalate	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
414 B	4-Bromophenyl-phenylether	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
415 B	Butylbenzylphthalate	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
416 B	2-Chloronaphthalene	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
417 B	4-Chlorophenyl-phenylether	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
418 B	Chrysene	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
419 B	Dibenz(a,h)Anthracene	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
420 B	1,2-Dichlorobenzene	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
421 B	1,3-Dichlorobenzene	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
422 B	1,4-Dichlorobenzene	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
423 B	3,3'-Dichlorobenzidine	BDL	40 ug/l	BDL	40 ug/l	BDL	40 ug/l	BDL	40 ug/l	BDL	40 ug/l	BDL	40 ug/l	BDL	40 ug/l
424 B	Diethylphthalate	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
425 B	Dimethyl Phthalate	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
426 B	Di-n-Butylphthalate	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
427 B	2,4-Dinitrotoluene	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
428 B	2,6-Dinitrotoluene	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
429 B	Di-n-Octyl Phthalate	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l

	SITE	86021	86021	86021	86021	86021	86021	86021
	SAMPLE	CW-1-D	CW-1-I	CW-1-S	CW-2-D	CW-2-D-DUP	CW-2-I	CW-2-S
	DATE	03/14/88	03/14/88	03/14/88	03/14/88	03/14/88	03/14/88	03/14/88
	MATRIX	GNDWAT	GNDWAT	GNDWAT	GNDWAT	GNDWAT	GNDWAT	GNDWAT
CMPD								
431 B	Fluoranthene	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l
432 B	Fluorene	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	3 J ug/l	3 J ug/l	4 J ug/l	14 J ug/l
433 B	Hexachlorobenzene	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l
434 B	Hexachlorobutadiene	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l
435 B	Hexachlorocyclopentadiene	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l
436 B	Hexachloroethane	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l
437 B	Indeno(1,2,3-cd)Pyrene	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l
438 B	Isophorone	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l
439 B	Naphthalene	BDL 20 ug/l	2 J ug/l	BDL 20 ug/l	97 ug/l	76 ug/l	BDL 20 ug/l	900 D ug/l
440 B	Nitrobenzene	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l
442 B	N-Nitroso-Di-n-Propylamine	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l
443 B	N-Nitrosodiphenylamine(1)	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l
444 B	Phenanthrene	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	8 J ug/l	8 J ug/l	8 J ug/l	19 J ug/l
445 B	Pyrene	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	2 J ug/l
446 B	1,2,4-Trichlorobenzene	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l
474 B	Benzyl Alcohol	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l
475 B	4-Chloroaniline	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l
476 B	Dibenzofuran	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	4 J ug/l	3 J ug/l	2 J ug/l	8 J ug/l
477 B	2-Methylnaphthalene	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	41 ug/l	32 ug/l	120 ug/l	260 DJ ug/l
478 B	2-Nitroaniline	BDL 100 ug/l	BDL 100 ug/l	BDL 100 ug/l	BDL 100 ug/l	BDL 100 ug/l	BDL 100 ug/l	BDL 100 ug/l
479 B	3-Nitroaniline	BDL 100 ug/l	BDL 100 ug/l	BDL 100 ug/l	BDL 100 ug/l	BDL 100 ug/l	BDL 100 ug/l	BDL 100 ug/l
480 B	4-Nitroaniline	BDL 100 ug/l	BDL 100 ug/l	BDL 100 ug/l	BDL 100 ug/l	BDL 100 ug/l	BDL 100 ug/l	BDL 100 ug/l
601 A	2-Chlorophenol	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l
602 A	2,4-Dichlorophenol	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l
603 A	2,4-Dimethylphenol	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l
604 A	4,6-Dinitro-2-Methylphenol	BDL 100 ug/l	BDL 100 ug/l	BDL 100 ug/l	BDL 100 ug/l	BDL 100 ug/l	BDL 100 ug/l	BDL 100 ug/l
605 A	2,4-Dinitrophenol	BDL 100 ug/l	BDL 100 ug/l	BDL 100 ug/l	BDL 100 ug/l	BDL 100 ug/l	BDL 100 ug/l	BDL 100 ug/l
606 A	2-Nitrophenol	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l
607 A	4-Nitrophenol	BDL 100 ug/l	BDL 100 ug/l	BDL 100 ug/l	BDL 100 ug/l	BDL 100 ug/l	BDL 100 ug/l	BDL 100 ug/l
608 A	4-Chloro-3-Methylphenol	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l
609 A	Pentachlorophenol	6 J ug/l	27 ug/l	160 ug/l	1400 D ug/l	2800 D ug/l	4100 D ug/l	2800 D ug/l
610 A	Phenol	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l
611 A	2,4,6-Trichlorophenol	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l
620 A	2-Methylphenol	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l
622 A	4-Methylphenol	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l
625 A	Benzoic Acid	BDL 100 ug/l	BDL 100 ug/l	BDL 100 ug/l	10 J ug/l	BDL 100 ug/l	BDL 100 ug/l	BDL 100 ug/l
626 A	2,4,5-Trichlorophenol	BDL 100 ug/l	BDL 100 ug/l	BDL 100 ug/l	BDL 100 ug/l	BDL 100 ug/l	BDL 100 ug/l	BDL 100 ug/l
	PESTICIDE/ PCB LAB ID #	185187	185183	185144	185188	185189	185149	185133
	==========	======	======	======	======	======	======	======
701 P	ALDRIN	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l
702 P	ALPHA-BHC	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l
703 P	BETA-BHC	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l
704 P	GAMMA-BHC	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l	0.38 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l
705 P	DELTA-BHC	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l	0.35 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l
707 P	4,4'-DDT	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l
708 P	4,4'-DDE	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l

	SITE	86021	86021	86021	86021	86021	86021	86021
	SAMPLE	CW-1-D	CW-1-I	CW-1-S	CW-2-D	CW-2-D-DUP	CW-2-I	CW-2-S
	DATE	03/14/88	03/14/88	03/14/88	03/14/88	03/14/88	03/14/88	03/14/88
	MATRIX	GNDWAT	GNDWAT	GNDWAT	GNDWAT	GNDWAT	GNDWAT	GNDWAT
CMPD								
709 P	4,4'-DDD	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l
710 P	DIELDRIN	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l
711 P	Endosulfan I	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l
712 P	Endosulfan II	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l
713 P	ENDOSULFAN SULFATE	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l
714 P	ENDRIN	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l
716 P	HEPTACHLOR	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l
717 P	HEPTACHLOR EPOXIDE	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l
718 P	PCB-1242	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l
719 P	PCB-1254	BDL 1 ug/l	BDL 1 ug/l	BDL 1 ug/l	BDL 1 ug/l	BDL 1 ug/l	BDL 1 ug/l	BDL 1 ug/l
720 P	PCB-1221	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l
721 P	PCB-1232	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l
722 P	PCB-1248	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l
723 P	PCB-1260	BDL 1 ug/l	BDL 1 ug/l	BDL 1 ug/l	BDL 1 ug/l	BDL 1 ug/l	BDL 1 ug/l	BDL 1 ug/l
724 P	PCB-1016	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l
725 P	TOXAPHENE	BDL 1 ug/l	BDL 1 ug/l	BDL 1 ug/l	BDL 1 ug/l	BDL 1 ug/l	BDL 1 ug/l	BDL 1 ug/l
726 P	P,P'-METHOXYCHLOR	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l
739 P	ENDRIN KETONE	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l
747 P	Alpha Chlordane	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l
748 P	Gamma Chlordane	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l
	OIL & GREASE LAB ID #	185204	185203	185201	185205	185206	185202	185137
	==========	======	======	======	======	======	======	======
1033 C	Oil and Grease	BDL 1 mg/l	BDL 1 mg/l	BDL 1 mg/l	1.1 mg/l	1 mg/l	1.3 mg/l	1.8 mg/l
C	CYANIDE	BDL 10 ug/l	BDL 10 ug/l	BDL 10 ug/l	BDL 10 ug/l	BDL 10 ug/l	BDL 10 ug/l	BDL 10 ug/l

AR300562

CMPD	SITE	86021	86021	86021	86021	86021	86021	86021
	SAMPLE	CW-3-D	CW-3-I	CW-3-S	CW-4-D	CW-4-I	CW-4-S	CW-5-D
	DATE	03/09/88	03/09/88	03/09/88	03/08/88	03/08/88	03/08/88	03/08/88
	MATRIX	GWDWAT	GWDWAT	GWDWAT	GWDWAT	GWDWAT	GWDWAT	GWDWAT
	METALS LAB I. D. #	184224	184226	184225	184008	184001	183999	184069
101 M	ANTIMONY	BDL 53 UG/L	BDL 53 UG/L	BDL 53 UG/L	BDL 53 UG/L	BDL 53 UG/L	BDL 53 UG/L	BDL 53 UG/L
102 M	ARSENIC	BDL 1.5 UG/L	BDL 1.5 UG/L	BDL 1.5 UG/L	23 F S UG/L	2.6 []F UG/L	3.5 []F UG/L	3 []F UG/L
103 M	BERYLLIUM	BDL 1 UG/L	BDL 1 UG/L	BDL 1 UG/L	BDL 1 UG/L	BDL 1 UG/L	BDL 1 UG/L	BDL 1 UG/L
104 M	CADMIUM	BDL 5 UG/L	5.6 P UG/L	BDL 5 UG/L	BDL 5 UG/L	BDL 5 UG/L	BDL 5 UG/L	BDL 5 UG/L
105 M	CHROMIUM	BDL 5 UG/L	BDL 5 UG/L	BDL 5 UG/L	BDL 5 UG/L	BDL 5 UG/L	BDL 5 UG/L	BDL 5 UG/L
106 M	COPPER	BDL 20 UG/L	BDL 20 UG/L	BDL 20 UG/L	BDL 20 UG/L	BDL 20 UG/L	BDL 20 UG/L	BDL 20 UG/L
107 M	LEAD	BDL 2.5 UG/L	BDL 2.5 UG/L	BDL 2.5 UG/L	BDL 2.5 UG/L	BDL 2.5 UG/L	BDL 2.5 UG/L	8.5 F N UG/L
108 M	MERCURY	0.39 CV UG/L	BDL 0.2 UG/L	BDL 0.2 UG/L	BDL 0.2 UG/L	BDL 0.2 UG/L	BDL 0.2 UG/L	BDL 0.2 UG/L
109 M	NICKEL	47 P UG/L	BDL 39 UG/L	BDL 39 UG/L	BDL 39 UG/L	BDL 39 UG/L	BDL 39 UG/L	BDL 39 UG/L
110 M	SELENIUM	18 []F NUG/L	BDL 1.3 UG/L	BDL 1.3 UG/L	BDL 6.5 UG/L	BDL 6.5 UG/L	BDL 6.5 UG/L	BDL 1.3 UG/L
111 M	SILVER	BDL 8 UG/L	BDL 8 UG/L	BDL 8 UG/L	BDL 8 UG/L	BDL 8 UG/L	BDL 8 UG/L	BDL 8 UG/L
112 M	THALLIUM	BDL 2.2 UG/L	BDL 2.2 UG/L	BDL 2.2 UG/L	BDL 2.2 UG/L	BDL 2.2 UG/L	BDL 2.2 UG/L	BDL 2.2 UG/L
113 M	ZINC	35 P UG/L	32 P UG/L	27 P UG/L	44 P UG/L	12 []P UG/L	12 []P UG/L	18 []P UG/L
114 M	BARIUM	93 []P EUG/L	137 []P EUG/L	130 []P EUG/L	41 []P UG/L	93 []P UG/L	75 []P UG/L	131 []P UG/L
115 M	IRON	2380 P UG/L	12700 P UG/L	14900 P UG/L	11700 P UG/L	1160 P UG/L	25 []P UG/L	35900 P UG/L
116 M	MANGANESE	6370 P UG/L	13600 P UG/L	11800 P UG/L	10900 P UG/L	4890 P UG/L	5620 P UG/L	11500 P UG/L
117 M	VANADIUM	4.3 []P UG/L	6 []P UG/L	3.6 []P UG/L	4.7 []P UG/L	BDL 3 UG/L	BDL 3 UG/L	6.5 []P UG/L
118 M	ALUMINUM	BDL 43 UG/L	BDL 43 UG/L	BDL 43 UG/L	BDL 43 UG/L	BDL 43 UG/L	BDL 43 UG/L	BDL 43 UG/L
120 M	COBALT	44 []P UG/L	72 P UG/L	56 P UG/L	67 P UG/L	35 []P UG/L	13 []P UG/L	26 []P UG/L
121 M	MAGNESIUM	16400 P E UG/L	12900 P E UG/L	11800 P E UG/L	16900 P UG/L	15300 P UG/L	15800 P UG/L	14400 P UG/L
129 M	Calcium	36300 P E UG/L	35000 P E UG/L	31800 P E UG/L	29000 P UG/L	63500 P UG/L	33300 P UG/L	23100 P UG/L
130 M	Sodium	30600 P E UG/L	38000 P E UG/L	33100 P E UG/L	33300 P E UG/L	39800 P E UG/L	29100 P E UG/L	22300 P E UG/L
131 M	Potassium	6710 P UG/L	4800 []P UG/L	4940 []P UG/L	4790 []P UG/L	7110 P UG/L	4400 []P UG/L	2790 []P UG/L
	VOC LAB I.D. #	184218	184220	184219	183995	183993	183982	183996
203 V	Benzene	6 B ug/l	6 B J ug/l	5 B ug/l	16 ug/l	23 ug/l	8 ug/l	320 ug/l
205 V	Bromoform	BDL 5 ug/l	BDL 13 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 25 ug/l
206 V	Carbon Tetrachloride	BDL 5 ug/l	BDL 13 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 25 ug/l
207 V	Chlorobenzene	BDL 5 ug/l	BDL 13 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 25 ug/l
208 V	Dibromochloromethane	BDL 5 ug/l	BDL 13 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 25 ug/l
209 V	Chloroethane	BDL 10 ug/l	BDL 25 ug/l	BDL 10 ug/l	BDL 10 ug/l	BDL 10 ug/l	BDL 10 ug/l	BDL 50 ug/l
211 V	Chloroform	BDL 5 ug/l	BDL 13 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 25 ug/l
212 V	Bromodichloromethane	BDL 5 ug/l	BDL 13 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 25 ug/l
214 V	1,1-Dichloroethane	BDL 5 ug/l	BDL 13 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 25 ug/l
215 V	1,2-Dichloroethane	BDL 5 ug/l	BDL 13 ug/l	BDL 5 ug/l	10 ug/l	8 ug/l	5 ug/l	21 J ug/l
216 V	1,1-Dichloroethene	BDL 5 ug/l	BDL 13 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 25 ug/l
217 V	1,2-Dichloropropane	BDL 5 ug/l	BDL 13 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 25 ug/l
218 V	cis-1,3-Dichloropropene	BDL 5 ug/l	BDL 13 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 25 ug/l
219 V	Ethylbenzene	2 B J ug/l	BDL 13 ug/l	10 B ug/l	12 ug/l	5 ug/l	BDL 5 ug/l	BDL 25 ug/l
220 V	Bromomethane	BDL 10 ug/l	BDL 25 ug/l	BDL 10 ug/l	BDL 10 ug/l	BDL 10 ug/l	BDL 10 ug/l	BDL 50 ug/l
221 V	Chloromethane	BDL 10 ug/l	BDL 25 ug/l	BDL 10 ug/l	BDL 10 ug/l	BDL 10 ug/l	BDL 10 ug/l	BDL 50 ug/l
222 V	Methylene Chloride	BDL 5 ug/l	BDL 13 ug/l	BDL 5 ug/l	BDL 5 ug/l	1 B J ug/l	BDL 5 ug/l	7 B J ug/l
223 V	1,1,2,2-Tetrachloroethane	BDL 5 ug/l	BDL 13 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 25 ug/l

	SITE	86021		86021		86021		86021		86021		86021		86021	
	SAMPLE	CW-3-D		CW-3-I		CW-3-S		CW-4-D		CW-4-I		CW-4-S		CW-5-D	
	DATE	03/09/88		03/09/88		03/09/88		03/08/88		03/08/88		03/08/88		03/08/88	
	MATRIX	GNDWAT		GNDWAT		GNDWAT		GNDWAT		GNDWAT		GNDWAT		GNDWAT	
CMPD															
224 V	Tetrachloroethene	BDL	5 ug/l	BDL	13 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	25 ug/l
225 V	Toluene	BDL	5 ug/l	17	ug/l	6	ug/l	7	ug/l	3	J ug/l	BDL	5 ug/l	26	ug/l
227 V	1,1,1-Trichloroethane	BDL	5 ug/l	BDL	13 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	25 ug/l
228 V	1,1,2-Trichloroethane	BDL	5 ug/l	BDL	13 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	25 ug/l
229 V	Trichloroethene	1	J ug/l	BDL	13 ug/l	BDL	5 ug/l	80	ug/l	100	ug/l	95	ug/l	14	J ug/l
231 V	Vinyl Chloride	BDL	10 ug/l	BDL	25 ug/l	BDL	10 ug/l	12	ug/l	13	ug/l	10	ug/l	BDL	50 ug/l
250 V	Trans-1,3-Dichloropropene	BDL	5 ug/l	BDL	13 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	25 ug/l
251 V	Styrene	BDL	5 ug/l	BDL	13 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	25 ug/l
252 V	Acetone	BDL	10 ug/l	BDL	25 ug/l	BDL	10 ug/l	BDL	10 ug/l	11	B ug/l	8	B J ug/l	BDL	50 ug/l
253 V	2-Butanone	BDL	10 ug/l	BDL	25 ug/l	BDL	10 ug/l	BDL	10 ug/l	BDL	10 ug/l	BDL	10 ug/l	BDL	50 ug/l
254 V	Carbon Disulfide	BDL	5 ug/l	BDL	13 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	25 ug/l
255 V	2-Hexanone	BDL	10 ug/l	BDL	25 ug/l	BDL	10 ug/l	BDL	10 ug/l	BDL	10 ug/l	BDL	10 ug/l	BDL	50 ug/l
256 V	4-Methyl-2-pentanone	BDL	10 ug/l	BDL	25 ug/l	BDL	10 ug/l	BDL	10 ug/l	BDL	10 ug/l	BDL	10 ug/l	BDL	50 ug/l
257 V	Vinyl Acetate	BDL	10 ug/l	BDL	25 ug/l	BDL	10 ug/l	BDL	10 ug/l	BDL	10 ug/l	BDL	10 ug/l	BDL	50 ug/l
289 V	Xylenes (Total)	23	ug/l	580	E ug/l	410	E ug/l	67	ug/l	18	ug/l	1	J ug/l	1400	E ug/l
299 V	1,2-Dichloroethene(Total)	BDL	5 ug/l	BDL	13 ug/l	BDL	5 ug/l	71	ug/l	99	ug/l	77	ug/l	16	J ug/l
	ACID EXTRACT./ BASE NEUT. LAB I.D.#	184218		184220		184219		183995		183993		183982		183996	
	==========	======		======		======		======		======		======		======	
401 B	Acenaphthene	BDL	20 ug/l	8	J ug/l	6	J ug/l	6	J ug/l	2	J ug/l	BDL	20 ug/l	4	J ug/l
402 B	Acenaphthylene	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
403 B	Anthracene	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
405 B	Benzo(a)Anthracene	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
406 B	Benzo(a)Pyrene	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
407 B	Benzo(b)Fluoranthene	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
408 B	Benzo(g,h,i)Perylene	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
409 B	Benzo(k)Fluoranthene	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
410 B	bis(-2-Chloroethoxy)Methane	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
411 B	bis(-2-Chloroethyl)Ether	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
412 B	bis(2-chloroisopropyl)Ether	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
413 B	bis(2-Ethylhexyl)Phthalate	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	2	J ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
414 B	4-Bromophenyl-phenylether	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
415 B	Butylbenzylphthalate	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
416 B	2-Chloronaphthalene	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
417 B	4-Chlorophenyl-phenylether	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
418 B	Chrysene	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
419 B	Dibenz(a,h)Anthracene	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
420 B	1,2-Dichlorobenzene	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
421 B	1,3-Dichlorobenzene	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
422 B	1,4-Dichlorobenzene	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
423 B	3,3'-Dichlorobenzidine	BDL	40 ug/l	BDL	40 ug/l	BDL	40 ug/l	BDL	40 ug/l	BDL	40 ug/l	BDL	40 ug/l	BDL	40 ug/l
424 B	Diethylphthalate	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	2	J ug/l	BDL	20 ug/l
425 B	Dimethyl Phthalate	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
426 B	Di-n-Butylphthalate	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
427 B	2,4-Dinitrotoluene	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
428 B	2,6-Dinitrotoluene	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
429 B	Di-n-Octyl Phthalate	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l

	SITE	86021	86021	86021	86021	86021	86021	86021
	SAMPLE	CW-3-D	CW-3-I	CW-3-S	CW-4-D	CW-4-I	CW-4-S	CW-5-D
	DATE	03/09/88	03/09/88	03/09/88	03/08/88	03/08/88	03/08/88	03/08/88
	MATRIX	GWOWAT	GWOWAT	GWOWAT	GWOWAT	GWOWAT	GWOWAT	GWOWAT
CMPD								
431 B	Fluoranthene	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l
432 B	Fluorene	BDL 20 ug/l	10 J ug/l	6 J ug/l	7 J ug/l	BDL 20 ug/l	BDL 20 ug/l	5 J ug/l
433 B	Hexachlorobenzene	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l
434 B	Hexachlorobutadiene	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l
435 B	Hexachlorocyclopentadiene	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l
436 B	Hexachloroethane	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l
437 B	Indeno(1,2,3-cd)Pyrene	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l
438 B	Isophorone	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l
439 B	Naphthalene	75 DJ ug/l	76 ug/l	65 ug/l	300 DJ ug/l	BDL 20 ug/l	BDL 20 ug/l	180 ug/l
440 B	Nitrobenzene	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l
442 B	N-Nitroso-Di-n-Propylamine	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l
443 B	N-Nitrosodiphenylamine(1)	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l
444 B	Phenanthrene	4 J ug/l	11 J ug/l	3 J ug/l	10 J ug/l	3 J ug/l	BDL 20 ug/l	8 J ug/l
445 B	Pyrene	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l
446 B	1,2,4-Trichlorobenzene	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l
474 B	Benzyl Alcohol	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l
475 B	4-Chloroaniline	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l
476 B	Dibenzofuran	2 J ug/l	4 J ug/l	3 J ug/l	5 J ug/l	BDL 20 ug/l	BDL 20 ug/l	2 J ug/l
477 B	2-Methylnaphthalene	42 ug/l	7 J ug/l	2 J ug/l	310 ug/l	64 ug/l	13 J ug/l	10 J ug/l
478 B	2-Nitroaniline	BDL 100 ug/l	BDL 100 ug/l	BDL 100 ug/l	BDL 100 ug/l	BDL 100 ug/l	BDL 100 ug/l	BDL 100 ug/l
479 B	3-Nitroaniline	BDL 100 ug/l	BDL 100 ug/l	BDL 100 ug/l	BDL 100 ug/l	BDL 100 ug/l	BDL 100 ug/l	BDL 100 ug/l
480 B	4-Nitroaniline	BDL 100 ug/l	BDL 100 ug/l	BDL 100 ug/l	BDL 100 ug/l	BDL 100 ug/l	BDL 100 ug/l	BDL 100 ug/l
601 A	2-Chlorophenol	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l
602 A	2,4-Dichlorophenol	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l
603 A	2,4-Dimethylphenol	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l
604 A	4,6-Dinitro-2-Methylphenol	BDL 100 ug/l	BDL 100 ug/l	BDL 100 ug/l	BDL 100 ug/l	BDL 100 ug/l	BDL 100 ug/l	BDL 100 ug/l
605 A	2,4-Dinitrophenol	3 J ug/l	BDL 100 ug/l	BDL 100 ug/l	BDL 100 ug/l	BDL 100 ug/l	BDL 100 ug/l	BDL 100 ug/l
606 A	2-Nitrophenol	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l
607 A	4-Nitrophenol	BDL 100 ug/l	BDL 100 ug/l	BDL 100 ug/l	BDL 100 ug/l	BDL 100 ug/l	BDL 100 ug/l	BDL 100 ug/l
608 A	4-Chloro-3-Methylphenol	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l
609 A	Pentachlorophenol	730 DJ ug/l	29 J ug/l	19 J ug/l	2300 D ug/l	2500 D ug/l	2400 D ug/l	790 ug/l
610 A	Phenol	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l
611 A	2,4,6-Trichlorophenol	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l
620 A	2-Methylphenol	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l
622 A	4-Methylphenol	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l
625 A	Benzoic Acid	BDL 100 ug/l	BDL 100 ug/l	BDL 100 ug/l	BDL 100 ug/l	BDL 100 ug/l	BDL 100 ug/l	BDL 100 ug/l
626 A	2,4,5-Trichlorophenol	BDL 100 ug/l	BDL 100 ug/l	BDL 100 ug/l	BDL 100 ug/l	BDL 100 ug/l	BDL 100 ug/l	BDL 100 ug/l
	PESTICIDE/ PCB LAB ID #	184218	184220	184219	183995	183993	183982	183996
	==========	======	======	======	======	=======	======	======
701 P	ALDRIN	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l
702 P	ALPHA-BHC	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l
703 P	BETA-BHC	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l
704 P	GAMMA-BHC	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l
705 P	DELTA-BHC	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l
707 P	4,4'-DDT	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l
708 P	4,4'-DDE	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l

	SITE	86021	86021	86021	86021	86021	86021	86021
	SAMPLE	CW-3-D	CW-3-I	CW-3-S	CW-4-D	CW-4-I	CW-4-S	CW-5-D
	DATE	03/09/88	03/09/88	03/09/88	03/08/88	03/08/88	03/08/88	03/08/88
	MATRIX	GNDWAT	GNDWAT	GNDWAT	GNDWAT	GNDWAT	GNDWAT	GNDWAT
CNPD								
709 P	4,4'-DDD	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l
710 P	DIELDRIN	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l
711 P	Endosulfan I	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l
712 P	Endosulfan II	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l
713 P	ENDOSULFAN SULFATE	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l
714 P	ENDRIN	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l
716 P	HEPTACHLOR	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l
717 P	HEPTACHLOR EPOXIDE	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l
718 P	PCB-1242	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l
719 P	PCB-1254	BDL 1 ug/l	BDL 1 ug/l	BDL 1 ug/l	BDL 1 ug/l	BDL 1 ug/l	BDL 1 ug/l	BDL 1 ug/l
720 P	PCB-1221	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l
721 P	PCB-1232	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l
722 P	PCB-1248	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l
723 P	PCB-1260	BDL 1 ug/l	BDL 1 ug/l	BDL 1 ug/l	BDL 1 ug/l	BDL 1 ug/l	BDL 1 ug/l	BDL 1 ug/l
724 P	PCB-1016	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l
725 P	TOXAPHENE	BDL 1 ug/l	BDL 1 ug/l	BDL 1 ug/l	BDL 1 ug/l	BDL 1 ug/l	BDL 1 ug/l	BDL 1 ug/l
726 P	P,P'-METHOXYCHLOR	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l
739 P	ENDRIN KETONE	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l
747 P	Alpha Chlordane	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l
748 P	Gamma Chlordane	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l
	OIL & GREASE LAB ID #	184230	184232	184231	184028	184203	184018	184030
	==========	======	======	======	======	======	======	======
1033 C	Oil and Grease	BDL 1 mg/l	BDL 1 mg/l	1.4 mg/l	2 mg/kg	1.3 mg/kg	BDL 1 mg/kg	3.5 mg/kg
C	CYANIDE	BDL 10 ug/l	BDL 10 ug/l	BDL 10 ug/l	BDL 10 ug/l	BDL 10 ug/l	BDL 10 ug/l	27 ug/l

AR300566

CMPD	SITE	86021	86021	86021	86021	86021	86021	86021
	SAMPLE	CW-5-I	CW-5-S	CW-6-D	CW-6-I	CW-6-S	HAV-2	HAV-5
	DATE	03/08/88	03/08/88	03/09/88	03/10/88	03/10/88	03/09/88	03/09/88
	MATRIX	GNDWAT	GNDWAT	GNDWAT	GNDWAT	GNDWAT	GNDWAT	GNDWAT
	METALS LAB I. D. #	184003	184000	184223	184702	184703	184227	184228
101 M	ANTIMONY	BDL 53 UG/L	BDL 53 UG/L	BDL 53 UG/L	BDL 53 UG/L	BDL 53 UG/L	BDL 53 UG/L	BDL 53 UG/L
102 M	ARSENIC	2.2 []F UG/L	16 F S UG/L	BDL 1.5 UG/L	BDL 1.5 UG/L	BDL 1.5 UG/L	3.1 []F UG/L	BDL 1.5 UG/L
103 M	BERYLLIUM	BDL 1 UG/L	BDL 1 UG/L	BDL 1 UG/L	BDL 1 UG/L	BDL 1 UG/L	BDL 1 UG/L	BDL 1 UG/L
104 M	CADMIUM	BDL 5 UG/L	BDL 5 UG/L	BDL 5 UG/L	5.6 P UG/L	BDL 5 UG/L	BDL 5 UG/L	BDL 5 UG/L
105 M	CHROMIUM	BDL 5 UG/L	BDL 5 UG/L	BDL 5 UG/L	BDL 5 UG/L	BDL 5 UG/L	6.3 []P UG/L	BDL 5 UG/L
106 M	COPPER	BDL 20 UG/L	BDL 20 UG/L	BDL 20 UG/L	BDL 20 UG/L	BDL 20 UG/L	BDL 20 UG/L	BDL 20 UG/L
107 M	LEAD	5.7 F N UG/L	BDL 2.5 UG/L	BDL 2.5 UG/L	BDL 2.5 UG/L	BDL 2.5 UG/L	BDL 2.5 UG/L	3.3 []F NUG/L
108 M	MERCURY	BDL 0.2 UG/L	BDL 0.2 UG/L	BDL 0.2 UG/L	BDL 0.2 UG/L	BDL 0.2 UG/L	BDL 0.2 UG/L	BDL 0.2 UG/L
109 M	NICKEL	BDL 39 UG/L	BDL 39 UG/L	41 P UG/L	BDL 39 UG/L	BDL 39 UG/L	55 P UG/L	BDL 39 UG/L
110 M	SELENIUM	BDL 1.3 UG/L	BDL 1.3 UG/L	25 []F NUG/L	BDL 1.3 UG/L	BDL 1.3 UG/L	BDL 1.3 UG/L	13 []F NUG/L
111 M	SILVER	BDL 8 UG/L	BDL 8 UG/L	BDL 8 UG/L	BDL 8 UG/L	BDL 8 UG/L	BDL 8 UG/L	BDL 8 UG/L
112 M	THALLIUM	BDL 2.2 UG/L	BDL 2.2 UG/L	BDL 2.2 UG/L	BDL 2.2 UG/L	BDL 2.2 UG/L	BDL 2.2 UG/L	BDL 2.2 UG/L
113 M	ZINC	8.4 []P UG/L	15 []P UG/L	52 P UG/L	87 P UG/L	18 []P UG/L	67 P UG/L	49 P UG/L
114 M	BARIUM	129 []P UG/L	80 []P UG/L	77 []P EUG/L	113 []P EUG/L	225 P E UG/L	37 []P EUG/L	86 []P EUG/L
115 M	IRON	33400 P UG/L	16800 P UG/L	5810 P UG/L	890 P UG/L	7910 P UG/L	7650 P UG/L	24200 P UG/L
116 M	MANGANESE	11800 P UG/L	9180 P UG/L	4860 P UG/L	7090 P UG/L	4320 P UG/L	19700 P UG/L	13000 P UG/L
117 M	VANADIUM	7.5 []P UG/L	5.7 []P UG/L	6.6 []P UG/L	5.8 []P UG/L	7.1 []P UG/L	7.2 []P UG/L	BDL 3 UG/L
118 M	ALUMINUM	47 []P UG/L	89 []P UG/L	BDL 43 UG/L	BDL 43 UG/L	BDL 43 UG/L	BDL 43 UG/L	BDL 43 UG/L
120 M	COBALT	17 []P UG/L	21 []P UG/L	29 []P UG/L	36 []P UG/L	20 []P UG/L	131 P UG/L	54 P UG/L
121 M	MAGNESIUM	13600 P UG/L	12400 P UG/L	23300 P E UG/L	25200 P E UG/L	58200 P E UG/L	25300 P E UG/L	11400 P E UG/L
129 M	Calcium	23400 P UG/L	33300 P UG/L	62200 P E UG/L	70400 P E UG/L	95000 P E UG/L	41800 P E UG/L	19700 P E UG/L
130 M	Sodium	20200 P E UG/L	15600 P E UG/L	41800 P E UG/L	38300 P E UG/L	95500 P E UG/L	53100 P E UG/L	14900 P E UG/L
131 M	Potassium	3120 []P UG/L	8230 P UG/L	8090 P UG/L	7630 P UG/L	12100 P UG/L	9060 P UG/L	6030 P UG/L
	VOC LAB I.D. #	183994	183986	184217	184697	184699	184221	184222
203 V	Benzene	250 D ug/l	83 D ug/l	22 B ug/l	7 ug/l	4 J ug/l	7 ug/l	130 ug/l
205 V	Bromoform	BDL 13 ug/l	BDL 10 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 6 ug/l
206 V	Carbon Tetrachloride	BDL 13 ug/l	BDL 10 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 6 ug/l
207 V	Chlorobenzene	BDL 13 ug/l	BDL 10 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 6 ug/l
208 V	Dibromochloromethane	BDL 13 ug/l	BDL 10 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 6 ug/l
209 V	Chloroethane	BDL 25 ug/l	BDL 20 ug/l	BDL 10 ug/l	BDL 10 ug/l	BDL 10 ug/l	BDL 10 ug/l	BDL 13 ug/l
211 V	Chloroform	BDL 13 ug/l	BDL 10 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 6 ug/l
212 V	Bromodichloromethane	BDL 13 ug/l	BDL 10 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 6 ug/l
214 V	1,1-Dichloroethane	BDL 13 ug/l	BDL 10 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 6 ug/l
215 V	1,2-Dichloroethane	16 D ug/l	7 D J ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	6 J ug/l
216 V	1,1-Dichloroethene	BDL 13 ug/l	BDL 10 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 6 ug/l
217 V	1,2-Dichloropropane	BDL 13 ug/l	BDL 10 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 6 ug/l
218 V	cis-1,3-Dichloropropene	BDL 13 ug/l	BDL 10 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 6 ug/l
219 V	Ethylbenzene	BDL 13 ug/l	BDL 10 ug/l	5 B ug/l	BDL 5 ug/l	BDL 5 ug/l	25 ug/l	160 ug/l
220 V	Bromomethane	BDL 25 ug/l	BDL 20 ug/l	BDL 10 ug/l	BDL 10 ug/l	BDL 10 ug/l	BDL 10 ug/l	BDL 13 ug/l
221 V	Chloromethane	BDL 25 ug/l	BDL 20 ug/l	BDL 10 ug/l	BDL 10 ug/l	BDL 10 ug/l	BDL 10 ug/l	BDL 13 ug/l
222 V	Methylene Chloride	BDL 13 ug/l	BDL 10 ug/l	BDL 5 ug/l	BDL 5 ug/l	1 B J ug/l	2 B J ug/l	BDL 6 ug/l
223 V	1,1,2,2-Tetrachloroethane	BDL 13 ug/l	BDL 10 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 6 ug/l

	SITE	86021		86021		86021		86021		86021		86021		86021	
	SAMPLE	CW-5-I		CW-5-S		CW-6-D		CW-6-I		CW-6-S		MAW-2		MAW-5	
	DATE	03/08/88		03/08/88		03/09/88		03/10/88		03/10/88		03/09/88		03/09/88	
	MATRIX	GNDWAT		GNDWAT		GNDWAT		GNDWAT		GNDWAT		GNDWAT		GNDWAT	
CMPD															
224 V	Tetrachloroethene	BDL	13 ug/l	BDL	10 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	6 ug/l
225 V	Toluene	27	D ug/l	5	D J ug/l	1	J ug/l	BDL	5 ug/l	BDL	5 ug/l	27	ug/l	16	ug/l
227 V	1,1,1-Trichloroethane	BDL	13 ug/l	BDL	10 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	6 ug/l
228 V	1,1,2-Trichloroethane	BDL	13 ug/l	BDL	10 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	6 ug/l
229 V	Trichloroethene	10	D J ug/l	3	D J ug/l	34	ug/l	30	ug/l	5	ug/l	25	ug/l	6	J ug/l
231 V	Vinyl Chloride	BDL	25 ug/l	BDL	20 ug/l	BDL	10 ug/l	BDL	10 ug/l	5	J ug/l	BDL	10 ug/l	BDL	13 ug/l
250 V	Trans-1,3-Dichloropropene	BDL	13 ug/l	BDL	10 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	6 ug/l
251 V	Styrene	BDL	13 ug/l	BDL	10 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	6 ug/l
252 V	Acetone	12	D J ug/l	BDL	20 ug/l	BDL	10 ug/l	BDL	10 ug/l	BDL	10 ug/l	14	ug/l	13	B ug/l
253 V	2-Butanone	BDL	25 ug/l	BDL	20 ug/l	BDL	10 ug/l	BDL	10 ug/l	BDL	10 ug/l	BDL	10 ug/l	BDL	13 ug/l
254 V	Carbon Disulfide	BDL	13 ug/l	BDL	10 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	6 ug/l
255 V	2-Hexanone	BDL	25 ug/l	BDL	20 ug/l	BDL	10 ug/l	BDL	10 ug/l	BDL	10 ug/l	BDL	10 ug/l	BDL	13 ug/l
256 V	4-Methyl-2-pentanone	BDL	25 ug/l	BDL	20 ug/l	BDL	10 ug/l	BDL	10 ug/l	BDL	10 ug/l	BDL	10 ug/l	BDL	13 ug/l
257 V	Vinyl Acetate	BDL	25 ug/l	BDL	20 ug/l	BDL	10 ug/l	BDL	10 ug/l	BDL	10 ug/l	BDL	10 ug/l	BDL	13 ug/l
289 V	Xylenes (Total)	950	D E ug/l	630	D E ug/l	37	ug/l	37	ug/l	BDL	5 ug/l	190	ug/l	510	E ug/l
299 V	1,2-Dichloroethene(Total)	12	D J ug/l	4	D J ug/l	25	ug/l	33	ug/l	7	ug/l	9	ug/l	6	J ug/l
	ACID EXTRACT./ BASE NEUT. LAB I.D.#	183994		183986		184217		184697		184699		184221		184222	
	==========	======		======		======		======		======		======		======	
401 B	Acenaphthene	4	J ug/l	BDL	40 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	12	J ug/l	6	J ug/l
402 B	Acenaphthylene	BDL	20 ug/l	BDL	40 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
403 B	Anthracene	BDL	20 ug/l	BDL	40 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	5	J ug/l	BDL	20 ug/l
405 B	Benzo(a)Anthracene	BDL	20 ug/l	BDL	40 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
406 B	Benzo(a)Pyrene	BDL	20 ug/l	BDL	40 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
407 B	Benzo(b)Fluoranthene	BDL	20 ug/l	BDL	40 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
408 B	Benzo(g,h,i)Perylene	BDL	20 ug/l	BDL	40 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
409 B	Benzo(k)Fluoranthene	BDL	20 ug/l	BDL	40 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
410 B	bis(-2-Chloroethoxy)Methane	BDL	20 ug/l	BDL	40 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
411 B	bis(-2-Chloroethyl)Ether	BDL	20 ug/l	BDL	40 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
412 B	bis(2-chloroisopropyl)Ether	BDL	20 ug/l	BDL	40 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
413 B	bis(2-Ethylhexyl)Phthalate	BDL	20 ug/l	BDL	40 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
414 B	4-Bromophenyl-phenylether	BDL	20 ug/l	BDL	40 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
415 B	Butylbenzylphthalate	BDL	20 ug/l	BDL	40 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
416 B	2-Chloronaphthalene	BDL	20 ug/l	BDL	40 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
417 B	4-Chlorophenyl-phenylether	BDL	20 ug/l	BDL	40 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
418 B	Chrysene	BDL	20 ug/l	BDL	40 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
419 B	Dibenz(a,h)Anthracene	BDL	20 ug/l	BDL	40 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
420 B	1,2-Dichlorobenzene	BDL	20 ug/l	BDL	40 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
421 B	1,3-Dichlorobenzene	BDL	20 ug/l	BDL	40 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
422 B	1,4-Dichlorobenzene	BDL	20 ug/l	BDL	40 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
423 B	3,3'-Dichlorobenzidine	BDL	40 ug/l	BDL	80 ug/l	BDL	40 ug/l	BDL	40 ug/l	BDL	40 ug/l	BDL	40 ug/l	BDL	40 ug/l
424 B	Diethylphthalate	BDL	20 ug/l	BDL	40 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	2	J ug/l
425 B	Dimethyl Phthalate	BDL	20 ug/l	BDL	40 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
426 B	Di-n-Butylphthalate	BDL	20 ug/l	BDL	40 ug/l	BDL	20 ug/l	3	J ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
427 B	2,4-Dinitrotoluene	BDL	20 ug/l	BDL	40 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
428 B	2,6-Dinitrotoluene	BDL	20 ug/l	BDL	40 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
429 B	Di-n-Octyl Phthalate	BDL	20 ug/l	BDL	40 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l

SITE	86021	86021	86021	86021	86021	86021	86021
SAMPLE	CW-5-I	CW-5-S	CW-6-D	CW-6-I	CW-6-S	MAV-2	MAV-5
DATE	03/08/88	03/08/88	03/09/88	03/10/88	03/10/88	03/09/88	03/09/88
MATRIX	GNDWAT	GNDWAT	GNDWAT	GNDWAT	GNDWAT	GNDWAT	GNDWAT
CMPD							
431 B Fluoranthene	BDL 20 ug/l	BDL 40 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l
432 B Fluorene	5 J ug/l	BDL 40 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	18 J ug/l	6 J ug/l
433 B Hexachlorobenzene	BDL 20 ug/l	BDL 40 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l
434 B Hexachlorobutadiene	BDL 20 ug/l	BDL 40 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l
435 B Hexachlorocyclopentadiene	BDL 20 ug/l	BDL 40 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l
436 B Hexachloroethane	BDL 20 ug/l	BDL 40 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l
437 B Indeno(1,2,3-cd)Pyrene	BDL 20 ug/l	BDL 40 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l
438 B Isophorone	BDL 20 ug/l	BDL 40 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l
439 B Naphthalene	120 ug/l	17 D J ug/l	BDL 20 ug/l	3 J ug/l	BDL 20 ug/l	680 D ug/l	240 ug/l
440 B Nitrobenzene	BDL 20 ug/l	BDL 40 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l
442 B N-Nitroso-Di-n-Propylamine	BDL 20 ug/l	BDL 40 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l
443 B N-Nitrosodiphenylamine(1)	BDL 20 ug/l	BDL 40 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l
444 B Phenanthrene	5 J ug/l	BDL 40 ug/l	3 J ug/l	3 J ug/l	BDL 20 ug/l	32 ug/l	10 J ug/l
445 B Pyrene	BDL 20 ug/l	BDL 40 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l
446 B 1,2,4-Trichlorobenzene	BDL 20 ug/l	BDL 40 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l
474 B Benzyl Alcohol	BDL 20 ug/l	BDL 40 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l
475 B 4-Chloroaniline	BDL 20 ug/l	BDL 40 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l
476 B Dibenzofuran	2 J ug/l	BDL 40 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	10 J ug/l	3 J ug/l
477 B 2-Methylnaphthalene	5 J ug/l	BDL 40 ug/l	62 ug/l	BDL 20 ug/l	BDL 20 ug/l	170 DJ ug/l	120 ug/l
478 B 2-Nitroaniline	BDL 100 ug/l	BDL 200 ug/l	BDL 100 ug/l	BDL 100 ug/l	BDL 100 ug/l	BDL 100 ug/l	BDL 100 ug/l
479 B 3-Nitroaniline	BDL 100 ug/l	BDL 200 ug/l	BDL 100 ug/l	BDL 100 ug/l	BDL 100 ug/l	BDL 100 ug/l	BDL 100 ug/l
480 B 4-Nitroaniline	BDL 100 ug/l	BDL 200 ug/l	BDL 100 ug/l	BDL 100 ug/l	BDL 100 ug/l	BDL 100 ug/l	BDL 100 ug/l
601 A 2-Chlorophenol	BDL 20 ug/l	BDL 40 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l
602 A 2,4-Dichlorophenol	BDL 20 ug/l	BDL 40 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l
603 A 2,4-Dimethylphenol	BDL 20 ug/l	BDL 40 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l
604 A 4,6-Dinitro-2-Methylphenol	BDL 100 ug/l	BDL 200 ug/l	BDL 100 ug/l	BDL 100 ug/l	BDL 100 ug/l	BDL 100 ug/l	BDL 100 ug/l
605 A 2,4-Dinitrophenol	BDL 100 ug/l	BDL 200 ug/l	BDL 100 ug/l	BDL 100 ug/l	BDL 100 ug/l	BDL 100 ug/l	BDL 100 ug/l
606 A 2-Nitrophenol	BDL 20 ug/l	BDL 40 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l
607 A 4-Nitrophenol	BDL 100 ug/l	BDL 200 ug/l	BDL 100 ug/l	BDL 100 ug/l	BDL 100 ug/l	BDL 100 ug/l	BDL 100 ug/l
608 A 4-Chloro-3-Methylphenol	BDL 20 ug/l	BDL 40 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l
609 A Pentachlorophenol	670 D ug/l	120 D J ug/l	2400 D ug/l	1200 DJ ug/l	200 ug/l	2300 D ug/l	750 D ug/l
610 A Phenol	BDL 20 ug/l	BDL 40 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l
611 A 2,4,6-Trichlorophenol	BDL 20 ug/l	BDL 40 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l
620 A 2-Methylphenol	BDL 20 ug/l	BDL 40 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l
622 A 4-Methylphenol	BDL 20 ug/l	BDL 40 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l
625 A Benzoic Acid	8 J ug/l	BDL 200 ug/l	BDL 100 ug/l	BDL 100 ug/l	BDL 100 ug/l	BDL 100 ug/l	BDL 100 ug/l
626 A 2,4,5-Trichlorophenol	BDL 100 ug/l	BDL 200 ug/l	BDL 100 ug/l	BDL 100 ug/l	BDL 100 ug/l	BDL 100 ug/l	BDL 100 ug/l
PESTICIDE/ PCB LAB ID #	183994	183986	184217	184697	184699	184221	184222
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701 P ALDRIN	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l
702 P ALPHA-BHC	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l
703 P BETA-BHC	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l
704 P GAMMA-BHC	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l
705 P DELTA-BHC	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l
707 P 4,4'-DDT	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l
708 P 4,4'-DDE	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l

	SITE	86021	86021	86021	86021	86021	86021	86021
	SAMPLE	CW-5-I	CW-5-S	CW-6-D	CW-6-I	CW-6-S	MAV-2	MAV-5
	DATE	03/08/88	03/08/88	03/09/88	03/10/88	03/10/88	03/09/88	03/09/88
	MATRIX	GNDWAT	GNDWAT	GNDWAT	GNDWAT	GNDWAT	GNDWAT	GNDWAT
CMPD								
709 P	4,4'-DDD	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l
710 P	DIELDRIN	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l
711 P	Endosulfan I	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l
712 P	Endosulfan II	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l
713 P	ENDOSULFAN SULFATE	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l
714 P	ENDRIN	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l
716 P	HEPTACHLOR	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l
717 P	HEPTACHLOR EPOXIDE	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l
718 P	PCB-1242	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l
719 P	PCB-1254	BDL 1 ug/l	BDL 1 ug/l	BDL 1 ug/l	BDL 1 ug/l	BDL 1 ug/l	BDL 1 ug/l	BDL 1 ug/l
720 P	PCB-1221	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l
721 P	PCB-1232	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l
722 P	PCB-1248	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l
723 P	PCB-1260	BDL 1 ug/l	BDL 1 ug/l	BDL 1 ug/l	BDL 1 ug/l	BDL 1 ug/l	BDL 1 ug/l	BDL 1 ug/l
724 P	PCB-1016	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l
725 P	TOXAPHENE	BDL 1 ug/l	BDL 1 ug/l	BDL 1 ug/l	BDL 1 ug/l	BDL 1 ug/l	BDL 1 ug/l	BDL 1 ug/l
726 P	P,P'-METHOXYCHLOR	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l
739 P	ENDRIN KETONE	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l
747 P	Alpha Chlordane	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l
748 P	Gamma Chlordane	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l	BDL 0.5 ug/l
	OIL & GREASE LAB ID #	184026	184019	184229	184706	184707	184233	184234
		======	======	======	======	======	======	======
1033 C	Oil and Grease	3.1 mg/kg	2.9 mg/kg	1 mg/l	BDL 1 mg/l	BDL 1 mg/l	5.4 mg/l	1.8 mg/l
C	CYANIDE	BDL 10 ug/l	BDL 10 ug/l	BDL 10 ug/l	BDL 10 ug/l	BDL 10 ug/l	BDL 10 ug/l	BDL 10 ug/l

AR300570

CMPD	SITE	86021	86021	86021	86021	86021	86021	86021
	SAMPLE	NAV-7	NAV-8	NW-1-81	NW-1-81 DUP	NW-2-81	NW-3-81	NW-6-81
	DATE	03/08/88	03/08/88	03/10/88	03/10/88	03/15/88	03/15/88	03/15/88
	MATRIX	GNDWAT	GNDWAT	GNDWAT	GNDWAT	GNDWAT	GNDWAT	GNDWAT
	METALS LAB I. D. #	184010	184012	184704	184705	185389	185390	185391
	==========	======	======	======	======	======	======	======
101 M	ANTIMONY	BDL 53 UG/L	BDL 53 UG/L	BDL 53 UG/L	BDL 53 UG/L	BDL 53 UG/L	BDL 53 UG/L	BDL 53 UG/L
102 M	ARSENIC	BDL 1.5 UG/L	BDL 1.5 UG/L	BDL 1.5 UG/L	BDL 1.5 UG/L	BDL 1.5 UG/L	BDL 1.5 UG/L	10 F UG/L
103 M	BERYLLIUM	BDL 1 UG/L	BDL 1 UG/L	BDL 1 UG/L	BDL 1 UG/L	BDL 1 UG/L	1.2 []P UG/L	BDL 1 UG/L
104 M	CADMIUM	BDL 5 UG/L	BDL 5 UG/L	BDL 5 UG/L	BDL 5 UG/L	BDL 5 UG/L	BDL 5 UG/L	BDL 5 UG/L
105 M	CHROMIUM	BDL 5 UG/L	BDL 5 UG/L	BDL 5 UG/L	BDL 5 UG/L	BDL 5 UG/L	124 P UG/L	BDL 5 UG/L
106 M	COPPER	BDL 20 UG/L	BDL 20 UG/L	BDL 20 UG/L	BDL 20 UG/L	BDL 20 UG/L	BDL 20 UG/L	BDL 20 UG/L
107 M	LEAD	BDL 2.5 UG/L	BDL 2.5 UG/L	BDL 2.5 UG/L	BDL 2.5 UG/L	BDL 2.5 UG/L	BDL 2.5 UG/L	BDL 2.5 UG/L
108 M	MERCURY	BDL 0.2 UG/L	BDL 0.2 UG/L	BDL 0.2 UG/L	BDL 0.2 UG/L	BDL 0.2 UG/L	0.22 CVW UG/L	BDL 0.2 UG/L
109 M	NICKEL	BDL 39 UG/L	BDL 39 UG/L	BDL 39 UG/L	BDL 39 UG/L	BDL 39 UG/L	BDL 39 UG/L	BDL 39 UG/L
110 M	SELENIUM	BDL 1.3 UG/L	BDL 1.3 UG/L	BDL 1.3 UG/L	BDL 1.3 UG/L	BDL 1.3 UG/L	BDL 1.3 UG/L	BDL 1.3 UG/L
111 M	SILVER	BDL 8 UG/L	BDL 8 UG/L	BDL 8 UG/L	BDL 8 UG/L	BDL 8 UG/L	BDL 8 UG/L	BDL 8 UG/L
112 M	THALLIUM	BDL 2.2 UG/L	BDL 2.2 UG/L	BDL 2.2 UG/L	BDL 2.2 UG/L	BDL 2.2 UG/L	BDL 2.2 UG/L	BDL 2.2 UG/L
113 M	ZINC	11 []P UG/L	96 P UG/L	14 []P UG/L	14 []P UG/L	164 P UG/L	15 []P UG/L	59 P UG/L
114 M	BARIUM	115 []P UG/L	92 []P UG/L	57 []P EUG/L	55 []P EUG/L	25 []P UG/L	20 []P UG/L	41 []P UG/L
115 M	IRON	15400 P UG/L	114 P UG/L	5000 P UG/L	4940 P UG/L	52 []P UG/L	95 []P UG/L	13100 P UG/L
116 M	MANGANESE	1590 P UG/L	52 P UG/L	1510 P UG/L	1490 P UG/L	9070 P UG/L	4850 P UG/L	9820 P UG/L
117 M	VANADIUM	7 []P UG/L	BDL 3 UG/L	3.3 []P UG/L	3.2 []P UG/L	BDL 3 UG/L	BDL 3 UG/L	BDL 3 UG/L
118 M	ALUMINUM	BDL 43 UG/L	BDL 43 UG/L	BDL 43 UG/L	BDL 43 UG/L	BDL 43 UG/L	262 P UG/L	BDL 43 UG/L
120 M	COBALT	BDL 5 UG/L	BDL 5 UG/L	37 []P UG/L	37 []P UG/L	479 P UG/L	101 P UG/L	88 P UG/L
121 M	MAGNESIUM	21200 P UG/L	48000 P UG/L	9690 P E UG/L	9540 P E UG/L	10400 P UG/L	28000 P UG/L	12900 P UG/L
129 M	Calcium	53300 P UG/L	41200 P UG/L	31400 P E UG/L	30900 P E UG/L	29600 P UG/L	79800 P UG/L	37300 P UG/L
130 M	Sodium	23700 P E UG/L	7840 P E UG/L	24300 P E UG/L	24200 P E UG/L	13500 P UG/L	18200 P UG/L	23600 P UG/L
131 M	Potassium	3700 []P UG/L	3120 []P UG/L	2830 []P UG/L	2800 []P UG/L	BDL 2400 UG/L	BDL 2400 UG/L	2740 []P UG/L
	VOC LAB I.D. #	183997	183998	184700	184701	185386	185387	185388
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203 V	Benzene	1 J ug/l	1 J ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	2 J ug/l
205 V	Bromoform	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l
206 V	Carbon Tetrachloride	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l
207 V	Chlorobenzene	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l
208 V	Dibromochloromethane	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l
209 V	Chloroethane	BDL 10 ug/l	BDL 10 ug/l	BDL 10 ug/l	BDL 10 ug/l	BDL 10 ug/l	BDL 10 ug/l	BDL 10 ug/l
211 V	Chloroform	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l
212 V	Bromodichloromethane	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l
214 V	1,1-Dichloroethane	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l
215 V	1,2-Dichloroethane	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	3 J ug/l
216 V	1,1-Dichloroethene	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	37 ug/l
217 V	1,2-Dichloropropane	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l
218 V	cis-1,3-Dichloropropene	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l
219 V	Ethylbenzene	BDL 5 ug/l	BDL 5 ug/l	3 J ug/l	4 J ug/l	14 ug/l	BDL 5 ug/l	4 J ug/l
220 V	Bromomethane	BDL 10 ug/l	BDL 10 ug/l	BDL 10 ug/l	BDL 10 ug/l	BDL 10 ug/l	BDL 10 ug/l	BDL 10 ug/l
221 V	Chloromethane	BDL 10 ug/l	BDL 10 ug/l	BDL 10 ug/l	BDL 10 ug/l	BDL 10 ug/l	BDL 10 ug/l	BDL 10 ug/l
222 V	Methylene Chloride	1 B J ug/l	BDL 5 ug/l	1 B J ug/l	2 B J ug/l	3 BJ ug/l	4 BJ ug/l	2 B J ug/l
223 V	1,1,2,2-Tetrachloroethane	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l	BDL 5 ug/l

	SITE	86021		86021		86021		86021		86021		86021		86021	
	SAMPLE	MAV-7		MAV-8		MW-1-81		MW-1-81 DUP		MW-2-81		MW-3-81		MW-6-81	
	DATE	03/08/88		03/08/88		03/10/88		03/10/88		03/15/88		03/15/88		03/15/88	
	MATRIX	GNDWAT		GNDWAT		GNDWAT		GNDWAT		GNDWAT		GNDWAT		GNDWAT	
CMPD															
224 V	Tetrachloroethene	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	1	J ug/l	BDL	5 ug/l	BDL	5 ug/l
225 V	Toluene	BDL	5 ug/l	5	ug/l	1	J ug/l	2	J ug/l	BDL	5 ug/l	BDL	5 ug/l	1	J ug/l
227 V	1,1,1-Trichloroethane	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l
228 V	1,1,2-Trichloroethane	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l
229 V	Trichloroethene	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	7	ug/l
231 V	Vinyl Chloride	BDL	10 ug/l	BDL	10 ug/l	BDL	10 ug/l	BDL	10 ug/l	BDL	10 ug/l	BDL	10 ug/l	BDL	10 ug/l
250 V	Trans-1,3-Dichloropropene	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l
251 V	Styrene	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l
252 V	Acetone	BDL	10 ug/l	BDL	10 ug/l	BDL	10 ug/l	BDL	10 ug/l	8	BJ ug/l	BDL	10 ug/l	BDL	10 ug/l
253 V	2-Butanone	BDL	10 ug/l	BDL	10 ug/l	BDL	10 ug/l	BDL	10 ug/l	BDL	10 ug/l	BDL	10 ug/l	BDL	10 ug/l
254 V	Carbon Disulfide	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l
255 V	2-Hexanone	BDL	10 ug/l	BDL	10 ug/l	BDL	10 ug/l	BDL	10 ug/l	BDL	10 ug/l	BDL	10 ug/l	BDL	10 ug/l
256 V	4-Methyl-2-pentanone	BDL	10 ug/l	BDL	10 ug/l	BDL	10 ug/l	BDL	10 ug/l	BDL	10 ug/l	BDL	10 ug/l	BDL	10 ug/l
257 V	Vinyl Acetate	BDL	10 ug/l	BDL	10 ug/l	BDL	10 ug/l	BDL	10 ug/l	BDL	10 ug/l	BDL	10 ug/l	BDL	10 ug/l
289 V	Xylenes (Total)	BDL	5 ug/l	BDL	5 ug/l	17	ug/l	18	ug/l	92	ug/l	5	ug/l	3	J ug/l
299 V	1,2-Dichloroethene(Total)	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l	BDL	5 ug/l
	ACID EXTRACT./ BASE NEUT. LAB I.D.#	183997		183998		184700		184701		185386		185387		185388	
	==========	======		======		======		======		======		======		======	
401 B	Acenaphthene	BDL	20 ug/l	BDL	20 ug/l	130	ug/l	81	ug/l	2	J ug/l	BDL	20 ug/l	BDL	20 ug/l
402 B	Acenaphthylene	BDL	20 ug/l	BDL	20 ug/l	BDL	60 ug/l	BDL	20 ug/l	5	J ug/l	BDL	20 ug/l	BDL	20 ug/l
403 B	Anthracene	BDL	20 ug/l	BDL	20 ug/l	110	ug/l	65	ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
405 B	Benzo(a)Anthracene	BDL	20 ug/l	BDL	20 ug/l	24	J ug/l	9	J ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
406 B	Benzo(a)Pyrene	BDL	20 ug/l	BDL	20 ug/l	BDL	60 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
407 B	Benzo(b)Fluoranthene	BDL	20 ug/l	BDL	20 ug/l	BDL	60 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
408 B	Benzo(g,h,i)Perylene	BDL	20 ug/l	BDL	20 ug/l	BDL	60 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
409 B	Benzo(k)Fluoranthene	BDL	20 ug/l	BDL	20 ug/l	BDL	60 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
410 B	bis(-2-Chloroethoxy)Methane	BDL	20 ug/l	BDL	20 ug/l	BDL	60 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
411 B	bis(-2-Chloroethyl)Ether	BDL	20 ug/l	BDL	20 ug/l	BDL	60 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
412 B	bis(2-chloroisopropyl)Ether	BDL	20 ug/l	BDL	20 ug/l	BDL	60 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
413 B	bis(2-Ethylhexyl)Phthalate	BDL	20 ug/l	BDL	20 ug/l	BDL	60 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
414 B	4-Bromophenyl-phenylether	BDL	20 ug/l	BDL	20 ug/l	BDL	60 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
415 B	Butylbenzylphthalate	BDL	20 ug/l	BDL	20 ug/l	BDL	60 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
416 B	2-Chloronaphthalene	BDL	20 ug/l	BDL	20 ug/l	BDL	60 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
417 B	4-Chlorophenyl-phenylether	BDL	20 ug/l	BDL	20 ug/l	BDL	60 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
418 B	Chrysene	BDL	20 ug/l	BDL	20 ug/l	13	J ug/l	8	J ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
419 B	Dibenz(a,h)Anthracene	BDL	20 ug/l	BDL	20 ug/l	BDL	60 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
420 B	1,2-Dichlorobenzene	BDL	20 ug/l	BDL	20 ug/l	BDL	60 ug/l	BDL	20 ug/l	BDL	20 ug/l	2	J ug/l	BDL	20 ug/l
421 B	1,3-Dichlorobenzene	BDL	20 ug/l	BDL	20 ug/l	BDL	60 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
422 B	1,4-Dichlorobenzene	BDL	20 ug/l	BDL	20 ug/l	BDL	60 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
423 B	3,3'-Dichlorobenzidine	BDL	40 ug/l	BDL	40 ug/l	BDL	120 ug/l	BDL	40 ug/l	BDL	40 ug/l	BDL	40 ug/l	BDL	40 ug/l
424 B	Diethylphthalate	BDL	20 ug/l	BDL	20 ug/l	BDL	60 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
425 B	Dimethyl Phthalate	BDL	20 ug/l	BDL	20 ug/l	BDL	60 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
426 B	Di-n-Butylphthalate	BDL	20 ug/l	BDL	20 ug/l	BDL	60 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
427 B	2,4-Dinitrotoluene	BDL	20 ug/l	BDL	20 ug/l	BDL	60 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l
428 B	2,6-Dinitrotoluene	BDL	20 ug/l	BDL	20 ug/l	BDL	60 ug/l	BDL	20 ug/l	8	J ug/l	BDL	20 ug/l	BDL	20 ug/l
429 B	Di-n-Octyl Phthalate	BDL	20 ug/l	BDL	20 ug/l	BDL	60 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l	BDL	20 ug/l

SITE	86021	86021	86021	86021	86021	86021	86021
SAMPLE	HAV-7	HAV-8	NW-1-81	NW-1-81 DUP	NW-2-81	NW-3-81	NW-6-81
DATE	03/08/88	03/08/88	03/10/88	03/10/88	03/15/88	03/15/88	03/15/88
MATRIX	GNDWAT	GNDWAT	GNDWAT	GNDWAT	GNDWAT	GNDWAT	GNDWAT
CMPD							
431 B Fluoranthene	BDL 20 ug/l	BDL 20 ug/l	62 ug/l	49 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l
432 B Fluorene	BDL 20 ug/l	BDL 20 ug/l	200 ug/l	120 ug/l	6 J ug/l	BDL 20 ug/l	BDL 20 ug/l
433 B Hexachlorobenzene	BDL 20 ug/l	BDL 20 ug/l	BDL 60 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l
434 B Hexachlorobutadiene	BDL 20 ug/l	BDL 20 ug/l	BDL 60 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l
435 B Hexachlorocyclopentadiene	BDL 20 ug/l	BDL 20 ug/l	BDL 60 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l
436 B Hexachloroethane	BDL 20 ug/l	BDL 20 ug/l	BDL 60 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l
437 B Indeno(1,2,3-cd)Pyrene	BDL 20 ug/l	BDL 20 ug/l	BDL 60 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l
438 B Isophorone	BDL 20 ug/l	BDL 20 ug/l	BDL 60 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l
439 B Naphthalene	BDL 20 ug/l	15 J ug/l	1400 D ug/l	1100 D ug/l	3 J ug/l	94 ug/l	10 J ug/l
440 B Nitrobenzene	BDL 20 ug/l	BDL 20 ug/l	BDL 60 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l
442 B N-Nitroso-Di-n-Propylamine	BDL 20 ug/l	BDL 20 ug/l	BDL 60 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l
443 B N-Nitrosodiphenylamine(1)	BDL 20 ug/l	BDL 20 ug/l	BDL 60 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l
444 B Phenanthrene	BDL 20 ug/l	BDL 20 ug/l	500 ug/l	320 ug/l	7 J ug/l	2 J ug/l	BDL 20 ug/l
445 B Pyrene	BDL 20 ug/l	BDL 20 ug/l	100 ug/l	58 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l
446 B 1,2,4-Trichlorobenzene	BDL 20 ug/l	BDL 20 ug/l	BDL 60 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l
474 B Benzyl Alcohol	BDL 20 ug/l	BDL 20 ug/l	BDL 60 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l
475 B 4-Chloroaniline	BDL 20 ug/l	BDL 20 ug/l	BDL 60 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l
476 B Dibenzofuran	BDL 20 ug/l	BDL 20 ug/l	72 ug/l	45 ug/l	5 J ug/l	BDL 20 ug/l	BDL 20 ug/l
477 B 2-Methylnaphthalene	BDL 20 ug/l	BDL 20 ug/l	730 ug/l	530 D ug/l	190 ug/l	31 ug/l	3 J ug/l
478 B 2-Nitroaniline	BDL 100 ug/l	BDL 100 ug/l	BDL 300 ug/l	BDL 100 ug/l	BDL 100 ug/l	BDL 100 ug/l	BDL 100 ug/l
479 B 3-Nitroaniline	BDL 100 ug/l	BDL 100 ug/l	BDL 300 ug/l	BDL 100 ug/l	BDL 100 ug/l	BDL 100 ug/l	BDL 100 ug/l
480 B 4-Nitroaniline	BDL 100 ug/l	BDL 100 ug/l	BDL 300 ug/l	BDL 100 ug/l	BDL 100 ug/l	BDL 100 ug/l	BDL 100 ug/l
601 A 2-Chlorophenol	BDL 20 ug/l	BDL 20 ug/l	BDL 60 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l
602 A 2,4-Dichlorophenol	BDL 20 ug/l	BDL 20 ug/l	BDL 60 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l
603 A 2,4-Dimethylphenol	BDL 20 ug/l	BDL 20 ug/l	BDL 60 ug/l	BDL 20 ug/l	6 J ug/l	BDL 20 ug/l	BDL 20 ug/l
604 A 4,6-Dinitro-2-Methylphenol	BDL 100 ug/l	BDL 100 ug/l	BDL 300 ug/l	BDL 100 ug/l	BDL 100 ug/l	BDL 100 ug/l	BDL 100 ug/l
605 A 2,4-Dinitrophenol	BDL 100 ug/l	BDL 100 ug/l	BDL 300 ug/l	BDL 100 ug/l	12 J ug/l	BDL 100 ug/l	BDL 100 ug/l
606 A 2-Nitrophenol	BDL 20 ug/l	BDL 20 ug/l	BDL 60 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l
607 A 4-Nitrophenol	BDL 100 ug/l	BDL 100 ug/l	BDL 300 ug/l	BDL 100 ug/l	BDL 100 ug/l	BDL 100 ug/l	BDL 100 ug/l
608 A 4-Chloro-3-Methylphenol	BDL 20 ug/l	BDL 20 ug/l	BDL 60 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l
609 A Pentachlorophenol	BDL 100 ug/l	41 J ug/l	380 ug/l	300 DJ ug/l	1500 D ug/l	95 J ug/l	520 DJ ug/l
610 A Phenol	BDL 20 ug/l	BDL 20 ug/l	BDL 60 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l
611 A 2,4,6-Trichlorophenol	BDL 20 ug/l	BDL 20 ug/l	BDL 60 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l
620 A 2-Methylphenol	BDL 20 ug/l	BDL 20 ug/l	BDL 60 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l
622 A 4-Methylphenol	BDL 20 ug/l	BDL 20 ug/l	BDL 60 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l	BDL 20 ug/l
625 A Benzoic Acid	BDL 100 ug/l	BDL 100 ug/l	BDL 300 ug/l	BDL 100 ug/l	26 J ug/l	BDL 100 ug/l	4 J ug/l
626 A 2,4,5-Trichlorophenol	BDL 100 ug/l	BDL 100 ug/l	BDL 300 ug/l	BDL 100 ug/l	BDL 100 ug/l	BDL 100 ug/l	BDL 100 ug/l
PESTICIDE/ PCB LAB ID #	183997	183998	184700	184701	185386	185387	185388
701 P ALDRIN	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.1 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l
702 P ALPHA-BHC	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.1 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l
703 P BETA-BHC	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.1 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l
704 P GAMMA-BHC	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.1 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l	0.33 ug/l	BDL 0.05 ug/l
705 P DELTA-BHC	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.1 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l	BDL 0.05 ug/l
707 P 4,4'-DDE	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.2 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l
708 P 4,4'-DDD	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.2 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l	BDL 0.1 ug/l

RB300573

SITE	86021		86021		21	
SAMPLE	R-2		R-4		BI	
DATE	03/16/88		03/16/88		88	
MATRIX	GWDWAT		GWDWAT		AT	
					DL	0.1 ug/l
oroethene	BDL	5 ug/l	BDL	5 ug/l	DL	0.1 ug/l
	47	ug/l	1	J ug/l	DL	0.05 ug/l
ichloroethane	BDL	5 ug/l	BDL	5 ug/l	DL	0.1 ug/l
ichloroethane	BDL	5 ug/l	BDL	5 ug/l	DL	0.1 ug/l
oethene	45	ug/l	BDL	5 ug/l	DL	0.1 ug/l
loride	1	J ug/l	BDL	10 ug/l	DL	0.05 ug/l
3-Dichloropropene	BDL	5 ug/l	BDL	5 ug/l	DL	0.05 ug/l
	BDL	5 ug/l	BDL	5 ug/l	DL	0.5 ug/l
	10	B ug/l	BDL	10 ug/l	DL	1 ug/l
ne	BDL	10 ug/l	BDL	10 ug/l	DL	0.5 ug/l
isulfide	BDL	5 ug/l	BDL	5 ug/l	DL	0.5 ug/l
ne	BDL	10 ug/l	BDL	10 ug/l	DL	0.5 ug/l
-2-pentanone	4	J ug/l	BDL	10 ug/l	DL	1 ug/l
etate	BDL	10 ug/l	BDL	10 ug/l	DL	0.5 ug/l
(Total)	240	ug/l	BDL	5 ug/l	DL	1 ug/l
loroethene(Total)	23	ug/l	BDL	5 ug/l	DL	0.5 ug/l
					DL	0.1 ug/l
RACT./ BASE NEUT. LAB I.D.#	185697		185698		DL	0.5 ug/l
==========	======		======		DL	0.5 ug/l
hene	16	J ug/l	BDL	20 ug/l		
hylene	BDL	20 ug/l	BDL	20 ug/l	6	
ne	4	J ug/l	BDL	20 ug/l	=	
)Anthracene	BDL	20 ug/l	BDL	20 ug/l	5	ug/l
)Pyrene	BDL	20 ug/l	BDL	20 ug/l		
)Fluoranthene	BDL	20 ug/l	BDL	20 ug/l	L	10 ug/l
,h,i)Perylene	BDL	20 ug/l	BDL	20 ug/l		
)Fluoranthene	BDL	20 ug/l	BDL	20 ug/l		
hloroethoxy)Methane	BDL	20 ug/l	BDL	20 ug/l		
hloroethyl)Ether	BDL	20 ug/l	BDL	20 ug/l		
loroisopropyl)Ether	BDL	20 ug/l	BDL	20 ug/l		
hylhexyl)Phthalate	BDL	20 ug/l	BDL	20 ug/l		
henyl-phenylether	BDL	20 ug/l	BDL	20 ug/l		
zylphthalate	BDL	20 ug/l	BDL	20 ug/l		
naphthalene	BDL	20 ug/l	BDL	20 ug/l		
phenyl-phenylether	BDL	20 ug/l	BDL	20 ug/l		
:	BDL	20 ug/l	BDL	20 ug/l		
,h)Anthracene	BDL	20 ug/l	BDL	20 ug/l		
lorobenzene	BDL	20 ug/l	BDL	20 ug/l		
lorobenzene	BDL	20 ug/l	BDL	20 ug/l		
lorobenzene	BDL	20 ug/l	BDL	20 ug/l		
hlorobenzidine	BDL	40 ug/l	BDL	40 ug/l		
phthalate	BDL	20 ug/l	BDL	20 ug/l		
l Phthalate	BDL	20 ug/l	BDL	20 ug/l		
tylphthalate	BDL	20 ug/l	BDL	20 ug/l		
itrotoluene	BDL	20 ug/l	BDL	20 ug/l		
itrotoluene	BDL	20 ug/l	BDL	20 ug/l		
tyl Phthalate	BDL	20 ug/l	BDL	20 ug/l		

CMPD		SITE	86021		86021	
		SAMPLE	R-2		R-4	
		DATE	03/16/88		03/16/88	
		MATRIX	GNDWAT		GNDWAT	
431 B	Fluoranthene		BDL	20 ug/l	BDL	20 ug/l
432 B	Fluorene		16	J ug/l	BDL	20 ug/l
433 B	Hexachlorobenzene		BDL	20 ug/l	BDL	20 ug/l
434 B	Hexachlorobutadiene		BDL	20 ug/l	BDL	20 ug/l
435 B	Hexachlorocyclopentadiene		BDL	20 ug/l	BDL	20 ug/l
436 B	Hexachloroethane		BDL	20 ug/l	BDL	20 ug/l
437 B	Indeno(1,2,3-cd)Pyrene		BDL	20 ug/l	BDL	20 ug/l
438 B	Isophorone		BDL	20 ug/l	BDL	20 ug/l
439 B	Naphthalene		1400	D ug/l	BDL	20 ug/l
440 B	Nitrobenzene		BDL	20 ug/l	BDL	20 ug/l
442 B	N-Nitroso-Di-n-Propylamine		BDL	20 ug/l	BDL	20 ug/l
443 B	N-Nitrosodiphenylamine(1)		BDL	20 ug/l	BDL	20 ug/l
444 B	Phenanthrene		19	J ug/l	BDL	20 ug/l
445 B	Pyrene		BDL	20 ug/l	BDL	20 ug/l
446 B	1,2,4-Trichlorobenzene		BDL	20 ug/l	BDL	20 ug/l
474 B	Benzyl Alcohol		BDL	20 ug/l	BDL	20 ug/l
475 B	4-Chloroaniline		BDL	20 ug/l	BDL	20 ug/l
476 B	Dibenzofuran		BDL	20 ug/l	BDL	20 ug/l
477 B	2-Methylnaphthalene		270	ug/l	BDL	20 ug/l
478 B	2-Nitroaniline		BDL	100 ug/l	BDL	100 ug/l
479 B	3-Nitroaniline		BDL	100 ug/l	BDL	100 ug/l
480 B	4-Nitroaniline		BDL	100 ug/l	BDL	100 ug/l
601 A	2-Chlorophenol		BDL	20 ug/l	BDL	20 ug/l
602 A	2,4-Dichlorophenol		BDL	20 ug/l	BDL	20 ug/l
603 A	2,4-Dimethylphenol		BDL	20 ug/l	BDL	20 ug/l
604 A	4,6-Dinitro-2-Methylphenol		BDL	100 ug/l	BDL	100 ug/l
605 A	2,4-Dinitrophenol		BDL	100 ug/l	BDL	100 ug/l
606 A	2-Nitrophenol		BDL	20 ug/l	BDL	20 ug/l
607 A	4-Nitrophenol		BDL	100 ug/l	BDL	100 ug/l
608 A	4-Chloro-3-Methylphenol		BDL	20 ug/l	BDL	20 ug/l
609 A	Pentachlorophenol		860	J ug/l	BDL	100 ug/l
610 A	Phenol		BDL	20 ug/l	BDL	20 ug/l
611 A	2,4,6-Trichlorophenol		BDL	20 ug/l	BDL	20 ug/l
620 A	2-Methylphenol		BDL	20 ug/l	BDL	20 ug/l
622 A	4-Methylphenol		BDL	20 ug/l	BDL	20 ug/l
625 A	Benzoic Acid		13	J ug/l	BDL	100 ug/l
626 A	2,4,5-Trichlorophenol		BDL	100 ug/l	BDL	100 ug/l
	PESTICIDE/ PCB LAB ID #		185697		185698	
701 P	ALDRIN		BDL	0.05 ug/l	BDL	0.05 ug/l
702 P	ALPHA-BHC		BDL	0.05 ug/l	BDL	0.05 ug/l
703 P	BETA-BHC		BDL	0.05 ug/l	BDL	0.05 ug/l
704 P	GAMMA-BHC		BDL	0.05 ug/l	BDL	0.05 ug/l
705 P	DELTA-BHC		BDL	0.05 ug/l	BDL	0.05 ug/l
707 P	4,4'-DDT		BDL	0.1 ug/l	BDL	0.1 ug/l
708 P	4,4'-DDE		BDL	0.1 ug/l	BDL	0.1 ug/l

AR 005577

		SITE	86021		86021	
		SAMPLE	R-2		R-4	
		DATE	03/16/88		03/16/88	
		MATRIX	GNDWAT		GNDWAT	
CMPD						
709	P	4,4'-DDD	BDL	0.1 ug/l	BDL	0.1 ug/l
710	P	DIELDRIN	BDL	0.1 ug/l	0.22	ug/l
711	P	Endosulfan I	BDL	0.05 ug/l	BDL	0.05 ug/l
712	P	Endosulfan II	BDL	0.1 ug/l	BDL	0.1 ug/l
713	P	ENDOSULFAN SULFATE	BDL	0.1 ug/l	BDL	0.1 ug/l
714	P	ENDRIN	BDL	0.1 ug/l	BDL	0.1 ug/l
716	P	HEPTACHLOR	BDL	0.05 ug/l	BDL	0.05 ug/l
717	P	HEPTACHLOR EPOXIDE	BDL	0.05 ug/l	BDL	0.05 ug/l
718	P	PCB-1242	BDL	0.5 ug/l	BDL	0.5 ug/l
719	P	PCB-1254	BDL	1 ug/l	BDL	1 ug/l
720	P	PCB-1221	BDL	0.5 ug/l	BDL	0.5 ug/l
721	P	PCB-1232	BDL	0.5 ug/l	BDL	0.5 ug/l
722	P	PCB-1248	BDL	0.5 ug/l	BDL	0.5 ug/l
723	P	PCB-1260	BDL	1 ug/l	BDL	1 ug/l
724	P	PCB-1016	BDL	0.5 ug/l	BDL	0.5 ug/l
725	P	TOXAPHENE	BDL	1 ug/l	BDL	1 ug/l
726	P	P,P'-METHOXYCHLOR	BDL	0.5 ug/l	BDL	0.5 ug/l
739	P	ENDRIN KETONE	BDL	0.1 ug/l	BDL	0.1 ug/l
747	P	Alpha Chlordane	BDL	0.5 ug/l	BDL	0.5 ug/l
748	P	Gamma Chlordane	BDL	0.5 ug/l	BDL	0.5 ug/l
		OIL & GREASE LAB ID #	185702		185704	
		==========	======		======	
1033	C	Oil and Grease	BDL	1 mg/l	4	mg/l
	C	CYANIDE	BDL	10 ug/l	BDL	10 ug/l

AR300578

SITE:	86021	86021	86021	86021	86021	86021	86021
POINT:	CW-1-S	CW-1-I	CW-1-D	CW-2-S	CW-2-I	CW-2-D	CW-2-D (DUP)
LAB ID #:	185207	185211	185212	185139	185208	185214	185213
GC/MS DATE:	4-13-88	4-13-88	4-14-88	4-13-88	4-13-88	4-14-88	4-14-88
GC/MS TIME:	22:38	23:58	15:44	22:00	23:16	18:28	17:50
CW # :	1166-2	1166-4	1166-5	1166-1	1166-3	1166-7	1166-6RI
COP NAME							
TCDD	BDL 0.38 ppt	BDL 0.59 ppt	BDL 0.37 ppt	BDL 0.67 ppt	BDL 0.42 ppt	BDL 1.0 ppt	BDL 0.71 ppt
2378 TCDD	BDL 0.3 ppt	BDL 0.52 ppt	BDL 0.4 ppt	BDL 0.54 ppt	BDL 0.47 ppt	BDL 1.0 ppt	BDL 0.71 ppt
PeCDD	BDL 0.77 ppt	BDL 1.1 ppt	BDL 0.73 ppt	BDL 0.79 ppt	BDL 0.84 ppt	BDL 1.7 ppt	BDL 1.4 ppt
12378 PeCDD	BDL 0.77 ppt	BDL 1.1 ppt	BDL 0.78 ppt	BDL 0.79 ppt	BDL 0.84 ppt	BDL 1.7 ppt	BDL 1.4 ppt
HxCDD	BDL 0.62 ppt	BDL 0.77 ppt	BDL 0.59 ppt	BDL 0.7 ppt	BDL 0.64 ppt	BDL 1.5 ppt	BDL 1.0 ppt
123478 HxCDD	BDL 0.62 ppt	BDL 0.77 ppt	BDL 0.62 ppt	BDL 0.7 ppt	BDL 0.64 ppt	BDL 1.5 ppt	BDL 1.0 ppt
123678 HxCDD	BDL 0.62 ppt	BDL 0.77 ppt	BDL 0.62 ppt	BDL 0.7 ppt	BDL 0.64 ppt	BDL 1.5 ppt	BDL 1.0 ppt
123789 HxCDD	BDL 0.62 ppt	BDL 0.77 ppt	BDL 0.62 ppt	BDL 0.7 ppt	BDL 0.64 ppt	BDL 1.5 ppt	BDL 1.0 ppt
HpCDD	BDL 0.63 ppt	BDL 0.89 ppt	BDL 0.68 ppt	10.7 ppt	BDL 1.5 ppt	BDL 0.98 ppt	BDL 1.2 ppt
1234678 HpCDD	BDL 0.63 ppt	BDL 0.89 ppt	BDL 0.91 ppt	7.0 ppt	BDL 1.5 ppt	BDL 0.98 ppt	BDL 1.2 ppt
OCDD	1.6 ppt	BDL 1.1 ppt	BDL 2.3 ppt	41.7 ppt	4.9 ppt	BDL 2.5 ppt	BDL 1.3 ppt

AR300579

	SITE:	84021	84021	84021	84021	84021	84021	84021
	POINT:	CW-3-S	CW-3-I	CW-3-D	CW-4-S	CW-4-I	CW-4-D	CW-5-S
	LAB ID #:	184239	184240	184238	184033	184037	184041	184306
	GC/MS DATE:	4-09-88	4-09-88	4-09-88	4-08-88	4-08-88	4-08-88	4-04-88
	GC/MS TIME:	12:06	12:44	11:27	14:35	11:43	16:31	15:15
	CW # :	1161-3	1161-4	1161-2	1141-1	1141-3	1141-5	1141-2
CDP	NAME							
	TCDD	BDL 0.66 ppt	BDL 0.43 ppt	BDL 0.15 ppt	BDL 0.19 ppt	BDL 0.16 ppt	BDL 0.13 ppt	BDL 0.27 ppt
2378	TCDD	BDL 0.36 ppt	BDL 0.31 ppt	BDL 0.17 ppt	BDL 0.3 ppt	BDL 0.25 ppt	BDL 0.086 ppt	BDL 0.22 ppt
	PeCDD	BDL 0.59 ppt	BDL 2.0 ppt	BDL 0.8 ppt	BDL 0.62 ppt	BDL 0.57 ppt	BDL 0.45 ppt	BDL 0.5 ppt
12378	PeCDD	BDL 0.59 ppt	BDL 2.0 ppt	BDL 0.8 ppt	BDL 0.62 ppt	BDL 0.57 ppt	BDL 0.45 ppt	BDL 0.5 ppt
	HxCDD	BDL 1.1 ppt	BDL 1.5 ppt	BDL 0.56 ppt	BDL 0.43 ppt	BDL 0.46 ppt	BDL 0.29 ppt	BDL 0.35 ppt
123478	HxCDD	BDL 1.1 ppt	BDL 1.5 ppt	BDL 0.56 ppt	BDL 0.43 ppt	BDL 0.46 ppt	BDL 0.29 ppt	BDL 0.35 ppt
123678	HxCDD	BDL 1.1 ppt	BDL 1.5 ppt	BDL 0.56 ppt	BDL 0.43 ppt	BDL 0.46 ppt	BDL 0.29 ppt	BDL 0.35 ppt
123789	HxCDD	BDL 1.1 ppt	BDL 1.5 ppt	BDL 0.56 ppt	BDL 0.43 ppt	BDL 0.46 ppt	BDL 0.29 ppt	BDL 0.35 ppt
	HpCDD	BDL 0.86 ppt	BDL 1.3 ppt	BDL 0.48 ppt	BDL 0.46 ppt	BDL 0.43 ppt	BDL 0.18 ppt	BDL 1.1 ppt
1234678	HpCDD	BDL 0.86 ppt	BDL 1.4 ppt	BDL 0.48 ppt	BDL 0.46 ppt	BDL 0.43 ppt	BDL 0.18 ppt	BDL 1.1 ppt
	OCDD	BDL 2.0 ppt	BDL 2.4 ppt	BDL 0.9 ppt	BDL 1.2 ppt	BDL 0.55 ppt	BDL 0.72 ppt	6.6 ppt

AR300580

SITE:	86021	86021	86021	86021	86021	86021	86021
POINT:	CW-5-1	CW-5-D	CW-6-S	CW-6-1	CW-6-D	HAV-2	HAV-5
LAB ID #:	184040	184042	184716	184713	184235	184241	184242
GC/MS DATE:	4-08-88	4-08-88	4-13-88	4-13-88	4-09-88	4-09-88	4-09-88
GC/MS TIME:	15:53	17:14	19:24	17:28	10:50	13:22	14:00
CW # :	1141-4	1141-6	1163-2	1163-1	1161-1	1161-5	1161-6
COP NAME							
TCDD	BDL 0.12 ppt	BDL 0.15 ppt	BDL 0.19 ppt	BDL 0.26 ppt	BDL 0.5 ppt	BDL 0.32 ppt	BDL 0.23 ppt
2378 TCDD	BDL 0.17 ppt	BDL 0.13 ppt	BDL 0.19 ppt	BDL 0.26 ppt	BDL 0.39 ppt	BDL 0.52 ppt	BDL 0.26 ppt
PeCDD	BDL 0.88 ppt	BDL 0.57 ppt	BDL 0.51 ppt	BDL 0.57 ppt	BDL 0.83 ppt	BDL 1.2 ppt	BDL 1.1 ppt
12378 PeCDD	BDL 0.88 ppt	BDL 0.57 ppt	BDL 0.51 ppt	BDL 0.57 ppt	BDL 0.83 ppt	BDL 1.5 ppt	BDL 1.1 ppt
HxCDD	BDL 0.51 ppt	BDL 0.41 ppt	BDL 0.38 ppt	BDL 0.43 ppt	BDL 0.95 ppt	BDL 0.92 ppt	BDL 0.74 ppt
123478 HxCDD	BDL 0.51 ppt	BDL 0.41 ppt	BDL 0.38 ppt	BDL 0.43 ppt	BDL 0.95 ppt	BDL 0.92 ppt	BDL 0.74 ppt
123678 HxCDD	BDL 0.51 ppt	BDL 0.41 ppt	BDL 0.38 ppt	BDL 0.43 ppt	BDL 0.95 ppt	BDL 0.92 ppt	BDL 0.74 ppt
123789 HxCDD	BDL 0.51 ppt	BDL 0.41 ppt	BDL 0.38 ppt	BDL 0.43 ppt	BDL 0.95 ppt	BDL 0.92 ppt	BDL 0.74 ppt
HpCDD	BDL 0.36 ppt	BDL 0.36 ppt	BDL 0.47 ppt	BDL 0.52 ppt	BDL 0.92 ppt	30.2 ppt	BDL 0.63 ppt
1234678 HpCDD	BDL 0.36 ppt	BDL 0.36 ppt	BDL 0.47 ppt	BDL 0.52 ppt	BDL 0.92 ppt	20.7 ppt	BDL 0.69 ppt
OCDD	BDL 0.83 ppt	BDL 0.89 ppt	BDL 0.64 ppt	BDL 0.99 ppt	BDL 1.3 ppt	137 ppt	1.9 ppt

AR300581

SITE:	86021	86021	86021	86021	86021	86021	86021
POINT:	MW-7	MW-8	MW-1	MW-1(DUP)	MW-2	MW-3	MW-6
LAB ID #:	184043	184044	184717RX	184718RX	185397	185398	185399
GC/MS DATE:	4-08-88	4-08-88	4-15-88	4-15-88	4-14-88	4-14-88	4-14-88
GC/MS TIME:	17:52	18:30	11:38	12:19	19:06	19:44	20:22
CW # :	1141-7	1141-8	1163-3RX	1163-4RX	1179-1	1179-2	1179-3
CDP NAME							
TCDD	BDL 0.17 ppt	BDL 0.21 ppt	BDL 10.3 ppt	BDL 17.7 ppt	BDL 0.67 ppt	BDL 0.68 ppt	BDL 0.77 ppt
2378 TCDD	BDL 0.19 ppt	BDL 0.21 ppt	BDL 16.2 ppt	BDL 18.9 ppt	BDL 0.67 ppt	BDL 0.68 ppt	BDL 0.77 ppt
PeCDD	BDL 0.59 ppt	BDL 0.84 ppt	BDL 24.4 ppt	BDL 27.3 ppt	BDL 1.2 ppt	BDL 1.1 ppt	BDL 0.53 ppt
12378 PeCDD	BDL 0.59 ppt	BDL 0.84 ppt	BDL 24.3 ppt	BDL 27.3 ppt	BDL 1.2 ppt	BDL 1.1 ppt	BDL 0.53 ppt
HxCDD	BDL 0.44 ppt	BDL 0.57 ppt	BDL 18.0 ppt	BDL 19.7 ppt	BDL 0.98 ppt	BDL 1.0 ppt	BDL 1.2 ppt
123478 HxCDD	BDL 0.44 ppt	BDL 0.57 ppt	BDL 19.6 ppt	BDL 19.7 ppt	BDL 0.98 ppt	BDL 1.0 ppt	BDL 1.2 ppt
123678 HxCDD	BDL 0.44 ppt	BDL 0.57 ppt	BDL 19.6 ppt	BDL 19.7 ppt	BDL 0.98 ppt	BDL 1.0 ppt	BDL 1.2 ppt
123789 HxCDD	BDL 0.44 ppt	BDL 0.57 ppt	BDL 19.6 ppt	BDL 19.7 ppt	BDL 0.98 ppt	BDL 1.0 ppt	BDL 1.2 ppt
HpCDD	BDL 0.045 ppt	BDL 0.47 ppt	860 ppt	500 ppt	2.4 ppt	BDL 1.1 ppt	BDL 1.5 ppt
1234678 HpCDD	BDL 0.045 ppt	BDL 0.47 ppt	579 ppt	317 ppt	2.4 ppt	BDL 1.1 ppt	BDL 1.5 ppt
OCDD	0.88 ppt	BDL 0.84 ppt	4471 ppt	2425 ppt	13.1 ppt	2.4 ppt	BDL 1.3 ppt

AR300582

SITE:	86021	86021
POINT:	R-2	R-4
LAB ID #:	185706	185709
GC/MS DATE:	4-14-88	4-14-88
GC/MS TIME:	20:59	21:36
CW # :	1185-1	1185-2
COP NAME		
TCDD	BDL 0.67 ppt	BDL 1.0 ppt
2378 TCDD	BDL 0.91 ppt	BDL 1.0 ppt
PeCDD	BDL 2.2 ppt	BDL 0.72 ppt
12378 PeCDD	BDL 2.2 ppt	BDL 0.72 ppt
HxCDD	BDL 1.8 ppt	BDL 0.81 ppt
123478 HxCDD	BDL 1.8 ppt	BDL 0.81 ppt
123678 HxCDD	BDL 1.8 ppt	BDL 0.81 ppt
123789 HxCDD	BDL 1.8 ppt	BDL 0.81 ppt
HpCDD	9.0 ppt	BDL 0.83 ppt
1234678 HpCDD	5.9 ppt	BDL 0.83 ppt
OCDD	46.9 ppt	BDL 2.6 ppt

AR300583

SITE:	86021	86021	86021	86021	86021	86021	86021
POINT:	CW-1-S	CW-1-I	CW-1-D	CW-2-S	CW-2-I	CW-2-D	CW-2-D (DUP)
LAB ID #:	185207	185211	185212	185139	185208	185214	185213
GC/MS DATE:	4-13-88	4-13-88	4-14-88	4-13-88	4-13-88	4-14-88	4-14-88
GC/MS TIME:	22:38	23:58	15:44	22:00	23:16	18:28	17:50
CW # :	1166-2	1166-4	1166-5	1166-1	1166-3	1166-7	1166-6R1
CDP NAME							
TCDF	BDL 0.19 ppt	BDL 0.31 ppt	BDL 0.27 ppt	BDL 0.25 ppt	BDL 0.24 ppt	BDL 0.47 ppt	BDL 0.49 ppt
2378 TCDF	BDL 0.22 ppt	BDL 0.3 ppt	BDL 0.26 ppt	BDL 0.25 ppt	BDL 0.22 ppt	BDL 0.56 ppt	BDL 0.49 ppt
PeCDF	BDL 0.29 ppt	BDL 0.36 ppt	BDL 0.33 ppt	BDL 0.3 ppt	BDL 0.42 ppt	BDL 0.81 ppt	BDL 0.68 ppt
12378 PeCDF	BDL 0.29 ppt	BDL 0.36 ppt	BDL 0.33 ppt	BDL 0.3 ppt	BDL 0.42 ppt	BDL 0.81 ppt	BDL 0.68 ppt
23478 PeCDF	BDL 0.29 ppt	BDL 0.36 ppt	BDL 0.35 ppt	BDL 0.3 ppt	BDL 0.42 ppt	BDL 0.81 ppt	BDL 0.63 ppt
HxCDF	BDL 0.33 ppt	BDL 0.4 ppt	BDL 0.34 ppt	2.4 ppt	BDL 0.33 ppt	BDL 0.69 ppt	BDL 0.63 ppt
123478 HxCDF	BDL 0.33 ppt	BDL 0.4 ppt	BDL 0.34 ppt	BDL 0.31 ppt	BDL 0.33 ppt	BDL 0.69 ppt	BDL 0.63 ppt
123678 HxCDF	BDL 0.33 ppt	BDL 0.4 ppt	BDL 0.34 ppt	BDL 0.31 ppt	BDL 0.33 ppt	BDL 0.69 ppt	BDL 0.63 ppt
124678 HxCDF	BDL 0.33 ppt	BDL 0.4 ppt	BDL 0.34 ppt	BDL 0.31 ppt	BDL 0.33 ppt	BDL 0.69 ppt	BDL 0.63 ppt
123789 HxCDF	BDL 0.33 ppt	BDL 0.4 ppt	BDL 0.34 ppt	BDL 0.31 ppt	BDL 0.33 ppt	BDL 0.69 ppt	BDL 0.63 ppt
HpCDF	BDL 0.6 ppt	BDL 0.8 ppt	BDL 0.48 ppt	11.7 ppt	BDL 0.65 ppt	BDL 0.84 ppt	BDL 0.94 ppt
1234678 HpCDF	BDL 0.6 ppt	BDL 0.8 ppt	BDL 0.49 ppt	2.8 0.7 ppt	BDL 0.65 ppt	BDL 0.84 ppt	BDL 0.94 ppt
1234789 HpCDF	BDL 0.6 ppt	BDL 0.8 ppt	BDL 0.49 ppt	BDL 0.34 ppt	BDL 0.55 ppt	BDL 0.84 ppt	BDL 0.94 ppt
OCDF	BDL 0.92 ppt	BDL 0.83 ppt	BDL 1.2 ppt	22.0 ppt	1.7 ppt	BDL 1.7 ppt	BDL 1.1 ppt

AR300584

SITE:	86021	86021	86021	86021	86021	86021	86021
POINT:	CW-3-S	CW-3-I	CW-3-D	CW-4-S	CW-4-I	CW-4-D	CW-5-S
LAB ID #:	184239	184240	184238	184033	184037	184041	184306
GC/MS DATE:	4-09-88	4-09-88	4-09-88	4-08-88	4-08-88	4-08-88	4-04-88
GC/MS TIME:	12:06	12:44	11:27	14:35	11:43	16:31	15:15
CW # :	1161-3	1161-4	1161-2	1141-1	1141-3	1141-5	1141-2
COP NAME							
TCDF	BDL 0.088 ppt	BDL 0.22 ppt	BDL 0.088 ppt	BDL 0.099 ppt	BDL 0.091 ppt	BDL 0.047 ppt	BDL 0.091 ppt
2378 TCDF	BDL 0.078 ppt	BDL 0.29 ppt	BDL 0.078 ppt	BDL 0.16 ppt	BDL 0.073 ppt	BDL 0.081 ppt	BDL 0.14 ppt
PeCDF	BDL 0.2 ppt	BDL 0.43 ppt	BDL 0.2 ppt	BDL 0.2 ppt	BDL 0.2 ppt	BDL 0.12 ppt	BDL 0.18 ppt
12378 PeCDF	BDL 0.2 ppt	BDL 0.36 ppt	BDL 0.2 ppt	BDL 0.2 ppt	BDL 0.2 ppt	BDL 0.12 ppt	BDL 0.18 ppt
23478 PeCDF	BDL 0.2 ppt	BDL 0.36 ppt	BDL 0.2 ppt	BDL 0.2 ppt	BDL 0.2 ppt	BDL 0.12 ppt	BDL 0.18 ppt
HxCDF	BDL 0.29 ppt	BDL 0.67 ppt	BDL 0.29 ppt	BDL 0.18 ppt	BDL 0.2 ppt	BDL 0.14 ppt	BDL 0.18 ppt
123478 HxCDF	BDL 0.28 ppt	BDL 0.67 ppt	BDL 0.28 ppt	BDL 0.18 ppt	BDL 0.2 ppt	BDL 0.14 ppt	BDL 0.18 ppt
123678 HxCDF	BDL 0.28 ppt	BDL 0.67 ppt	BDL 0.28 ppt	BDL 0.18 ppt	BDL 0.2 ppt	BDL 0.14 ppt	BDL 0.18 ppt
124678 HxCDF	BDL 0.28 ppt	BDL 0.67 ppt	BDL 0.28 ppt	BDL 0.18 ppt	BDL 0.2 ppt	BDL 0.14 ppt	BDL 0.18 ppt
123789 HxCDF.	BDL 0.28 ppt	BDL 0.67 ppt	BDL 0.28 ppt	BDL 0.18 ppt	BDL 0.2 ppt	BDL 0.14 ppt	BDL 0.18 ppt
HpCDF	BDL 0.6 ppt	BDL 1.8 ppt	BDL 0.6 ppt	BDL 0.46 ppt	BDL 0.57 ppt	BDL 0.36 ppt	0.93 ppt
1234678 HpCDF	BDL 0.6 ppt	BDL 1.9 ppt	BDL 0.6 ppt	BDL 0.46 ppt	BDL 0.57 ppt	BDL 0.36 ppt	BDL 0.43 ppt
1234789 HpCDF	BDL 0.6 ppt	BDL 1.9 ppt	BDL 0.6 ppt	BDL 0.46 ppt	BDL 0.57 ppt	BDL 0.36 ppt	BDL 0.43 ppt
OCDF	BDL 0.66 ppt	BDL 1.7 ppt	BDL 0.66 ppt	BDL 1.4 ppt	BDL 0.41 ppt	BDL 0.38 ppt	1.4 ppt

AR300585

SITE:	86021	86021	86021	86021	86021	86021	86021
POINT:	CW-5-I	CW-5-D	CW-6-S	CW-6-I	CW-6-D	MAV-2	MAV-5
LAB ID #:	184040	184042	184716	184713	184235	184241	184242
GC/MS DATE:	4-08-88	4-08-88	4-13-88	4-13-88	4-09-88	4-09-88	4-09-88
GC/MS TIME:	15:53	17:14	19:24	17:28	10:50	13:22	14:00
CW # :	1141-4	1141-6	1163-2	1163-1	1161-1	1161-5	1161-6
CDP NAME							
TCDF	BDL 0.1 ppt	BDL 0.077 ppt	BDL 0.12 ppt	BDL 0.15 ppt	BDL 0.14 ppt	BDL 0.25 ppt	BDL 0.17 ppt
2378 TCDF	BDL 0.12 ppt	BDL 0.079 ppt	BDL 0.21 ppt	BDL 0.15 ppt	BDL 0.15 ppt	BDL 0.21 ppt	BDL 0.16 ppt
PeCDF	BDL 0.18 ppt	BDL 0.15 ppt	BDL 0.16 ppt	BDL 0.22 ppt	BDL 0.33 ppt	BDL 0.35 ppt	BDL 0.26 ppt
12378 PeCDF	BDL 0.18 ppt	BDL 0.15 ppt	BDL 0.16 ppt	BDL 0.22 ppt	BDL 0.33 ppt	BDL 0.4 ppt	BDL 0.32 ppt
23478 PeCDF	BDL 0.18 ppt	BDL 0.15 ppt	BDL 0.16 ppt	BDL 0.22 ppt	BDL 0.33 ppt	BDL 0.4 ppt	BDL 0.32 ppt
HxCDF	BDL 0.21 ppt	BDL 0.19 ppt	BDL 0.2 ppt	BDL 0.21 ppt	BDL 0.47 ppt	2.5 ppt	BDL 0.32 ppt
123478 HxCDF	BDL 0.21 ppt	BDL 0.19 ppt	BDL 0.2 ppt	BDL 0.21 ppt	BDL 0.47 ppt	BDL 0.5 ppt	BDL 0.31 ppt
123678 HxCDF	BDL 0.21 ppt	BDL 0.19 ppt	BDL 0.2 ppt	BDL 0.21 ppt	BDL 0.47 ppt	BDL 0.5 ppt	BDL 0.31 ppt
124678 HxCDF	BDL 0.21 ppt	BDL 0.19 ppt	BDL 0.2 ppt	BDL 0.21 ppt	BDL 0.47 ppt	BDL 0.5 ppt	BDL 0.31 ppt
123789 HxCDF	BDL 0.21 ppt	BDL 0.19 ppt	BDL 0.2 ppt	BDL 0.21 ppt	BDL 0.47 ppt	BDL 0.5 ppt	BDL 0.31 ppt
HpCDF	BDL 0.64 ppt	BDL 0.44 ppt	BDL 0.39 ppt	BDL 0.45 ppt	BDL 1.2 ppt	24.8 ppt	BDL 0.65 ppt
1234678 HpCDF	BDL 0.64 ppt	BDL 0.44 ppt	BDL 0.39 ppt	BDL 0.45 ppt	BDL 1.2 ppt	4.7 ppt	BDL 0.72 ppt
1234789 HpCDF	BDL 0.64 ppt	BDL 0.44 ppt	BDL 0.39 ppt	BDL 0.45 ppt	BDL 1.2 ppt	BDL 1.1 ppt	BDL 0.72 ppt
OCDF	BDL 0.66 ppt	BDL 0.56 ppt	BDL 0.5 ppt	BDL 0.62 ppt	BDL 1.2 ppt	42.3 ppt	BDL 0.7 ppt

AR300586

SITE:	86021	86021	86021	86021	86021	86021	86021
POINT:	HAV-7	HAV-8	MW-1	MW-1(DUP)	MW-2	MW-3	MW-6
LAB ID #:	184043	184044	184717RX	184718RX	185397	185398	185399
GC/MS DATE:	4-08-88	4-08-88	4-15-88	4-15-88	4-14-88	4-14-88	4-14-88
GC/MS TIME:	17:52	18:30	11:38	12:19	19:06	19:44	20:22
CW # :	1141-7	1141-8	1163-3RX	1163-4RX	1179-1	1179-2	1179-3
COP NAME							
TCDF	BDL 0.082 ppt	BDL 0.11 ppt	BDL 10.7 ppt	BDL 12.3 ppt	BDL 0.39 ppt	BDL 0.38 ppt	BDL 0.47 ppt
2378 TCDF	BDL 0.091 ppt	BDL 0.11 ppt	BDL 12.1 ppt	BDL 12.6 ppt	BDL 0.39 ppt	BDL 0.38 ppt	BDL 0.47 ppt
PeCDF	BDL 0.16 ppt	BDL 0.22 ppt	BDL 8.4 ppt	BDL 11.2 ppt	BDL 0.48 ppt	BDL 0.41 ppt	BDL 0.63 ppt
12378 PeCDF	BDL 0.16 ppt	BDL 0.22 ppt	BDL 9.6 ppt	BDL 11.2 ppt	BDL 0.48 ppt	BDL 0.41 ppt	BDL 0.63 ppt
23478 PeCDF	BDL 0.16 ppt	BDL 0.22 ppt	BDL 9.6 ppt	BDL 11.2 ppt	BDL 0.48 ppt	BDL 0.41 ppt	BDL 0.63 ppt
HxCDF	BDL 0.16 ppt	BDL 0.25 ppt	BDL 17.7 ppt	41.6 ppt	BDL 0.45 ppt	BDL 0.53 ppt	BDL 0.68 ppt
123478 HxCDF	BDL 0.18 ppt	BDL 0.25 ppt	BDL 17.7 ppt	BDL 25.6 ppt	BDL 0.45 ppt	BDL 0.53 ppt	BDL 0.68 ppt
123678 HxCDF	BDL 0.18 ppt	BDL 0.25 ppt	BDL 17.7 ppt	BDL 25.6 ppt	BDL 0.45 ppt	BDL 0.53 ppt	BDL 0.68 ppt
124678 HxCDF	BDL 0.18 ppt	BDL 0.25 ppt	BDL 17.7 ppt	BDL 25.6 ppt	BDL 0.45 ppt	BDL 0.53 ppt	BDL 0.68 ppt
123789 HxCDF	BDL 0.18 ppt	BDL 0.25 ppt	BDL 19.6 ppt	BDL 25.6 ppt	BDL 0.45 ppt	BDL 0.53 ppt	BDL 0.68 ppt
HpCDF	BDL 0.058 ppt	BDL 0.58 ppt	1220 ppt	643 ppt	3.2 ppt	BDL 0.77 ppt	BDL 0.9 ppt
1234678 HpCDF	BDL 0.058 ppt	BDL 0.58 ppt	180 ppt	88.6 ppt	BDL 0.9 ppt	BDL 0.77 ppt	BDL 0.9 ppt
1234789 HpCDF	BDL 0.058 ppt	BDL 0.58 ppt	BDL 27.1 ppt	BDL 20.4 ppt	BDL 0.9 ppt	BDL 0.77 ppt	BDL 0.9 ppt
OCDF	BDL 0.6 ppt	BDL 0.67 ppt	2964 ppt	1564 ppt	6.6 ppt	BDL 1.1 ppt	BDL 1.1 ppt

AR300587

SITE:	86021	86021
POINT:	R-2	R-4
LAB ID #:	185706	185709
GC/MS DATE:	4-14-88	4-14-88
GC/MS TIME:	20:59	21:36
CW # :	1185-1	1185-2
CDP NAME		
TCDF	BDL 0.53 ppt	BDL 0.30 ppt
2378 TCDF	BDL 0.75 ppt	BDL 0.36 ppt
PeCDF	BDL 0.75 ppt	BDL 0.43 ppt
12378 PeCDF	BDL 0.75 ppt	BDL 0.43 ppt
23478 PeCDF	BDL 0.75 ppt	BDL 0.43 ppt
HxCDF	BDL 0.83 ppt	BDL 0.48 ppt
123478 HxCDF	BDL 0.83 ppt	BDL 0.48 ppt
123678 HxCDF	BDL 0.83 ppt	BDL 0.48 ppt
124678 HxCDF	BDL 0.83 ppt	BDL 0.48 ppt
123789 HxCDF	BDL 0.83 ppt	BDL 0.48 ppt
HpCDF	8.2 ppt	BDL 0.56 ppt
1234678 HpCDF	1.9 ppt	BDL 0.56 ppt
1234789 HpCDF	BDL 1.2 ppt	BDL 0.56 ppt
OCDF	14.4 ppt	BDL 0.97 ppt

AR300588

2.6 Oil Specific Gravity Analysis

- WATER/WASTEWATER
- SOILS/SOLIDS
- AIR/GASES

Wright Lab Services, Inc.

- ATOMIC ABSORPTION
- GAS CHROMATOGRAPHY
- WET CHEMISTRY

Customer # W6500
ATTN: Mr. Jeffrey Thompson
R. E. Wright Associates Inc.
3240 Schoolhouse Road
Middletown PA 17057

Lab Sample # : 3941-1

April 14, 1988

LAB ANALYSIS REPORT

Job Name	: Havertown/PADER	Customer PO#	:
Job Number	: 86021-002-001	Date Sampled	: 04/11/88
Location	: R-2, Contaminated Oil	Date Received	: 04/12/88
Sample State	: Solid Waste	Date Completed	: 04/12/88
Collector	: JST & JNW	Discard Date	: 05/12/88

TEST/PARAMETER	DETECTION LIMIT	RESULT	UNITS
Specific Gravity		0.897	

N.D. - Not Detected

Respectfully Submitted,
WRIGHT LAB SERVICES

Ian Milnes
Laboratory Manager

AR300590

34 Dogwood Lane Middletown, Pa. 17057 [717] 944-5541

PHONE ORDER TAKEN BY: _____

DATE ORDERED: ___ / ___ / ___

DATE REQUESTED: ___ / ___ / ___

Wright Lab Services, Inc.
CHAIN OF CUSTODY RECORD

003341

REPORT TO:	CONTACT	PHONE NO.	SALESMAN
John Ward	John Ward	144-5501	
c/o Rewai	PROJECT NAME: Havertown PCP Site	PROJECT NO.: 86021-2-1	P.O. NO.
	DATE SAMPLED: 4-11-88	SAMPLER(S): JST / JNW	

BILL TO: Rewai
86021-2-1
Havertown PCP Site

ANALYSES TO BE PERFORMED

	SAMPLE DESCRIPTION/LOCATION	TIME OF SAMPLING	TOTAL NO. OF CONTAINERS	Specific Gravity												REMARKS
1	Contaminated Oil / R-2	1100	2	2												
2																
3																
4																
5																
6																
7																
8																
9																
10																

AR300591

REMARKS: * metal container holds 2, 40ml VOA vials packed in vermiculite. Please handle oil sample carefully, estimated to contain 32,000 ppm PCP and ~18ppb (TEF) dioxin.

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
[illegible] III	4/11/88	0930	[illegible]	4/11	

APPENDIX 3

Special Analytical Services Request

U.S. Environmental Protection Agency
HWI Sample Management Office
P.O. Box 818, Alexandria, VA 22313
PHONE: (703) 557-2490 or FTS 557-2490

SAS Number:

RECEIVED
AUG 17 1987
REWA

SPECIAL ANALYTICAL SERVICES
Regional Request

☐ Regional Transmittal ☐ Telephone Request

A. EPA Region and Client: III Walter Lee

B. Regional Representative: Colleen K. Walling

C. Telephone Number: (301) 224-2740 or FTS 922-3752

D. Date of Request: 7/7/87

E. Site Name: Havertown, PA

Please provide below a description of your request for Special Analytical Services under the Contract Laboratory Program. In order to most effeciently obtain laboratory capability for your request, please address the following considerations, if applicable. Incomplete or erroneous information may result in delay in the processing of your request. Please continue response on additional sheets, or attach suupplementary information as needed.

1. General description of analytical service requested:

Task 1a. Analysis for total tetra thru octa chlorinated dibenzo-p-dioxins and dibenzofurans and confirmation of 2,3,7,8-substituted tetra thru hepta isomers (when initial "total" TE value is greater than 1 ppb). Detection limit 1.0 ppb by 16 hour soxhlet extraction.

b. Computation of total 2,3,7,8-TCDD equivalents (TE) as specified in the attached excerpt from the Department of Health and Human Services Memorandum.

Task 2. Confirmation of 2,3,7,8-substituted tetra thru hepta dioxins and furans is required if the total 2,3,7,8-TCDD equivalent (calculated as indicated) exceeds 1.0 ppb.

2. Definition and number of work units involved (specify whether whole samples or fractions; whether organics or inorganics; whether aqueous or soil and sediments; and whether low, medium, or high concentration):

2 Batches:
20 low concentration soil samples.
13 low concentration sediment.

3. Purpose of analysis (specify whether Superfund (Remedial or Enforcement), RCRA, NPDES, etc.):

Superfund / ENFORCEMENT 7TGB03N654
REMEDIAL

AR300593

4. Estimated date(s) of collection: 7/13/87 - 7/24/87

5. Estimated date(s) and method of shipment: By Federal Express (or as soon as SAS awarded).

6. Approximate number of days results required after lab receipt of samples:

30 days

7. Analytical protocol required (attach copy if other than a protocol currently used in this program):

NOTE: Samples are likely to be oily. Notify Region if small sample size is recommended.
For soils, soxhlet extraction as per RCRA 8280 (fly ash matrix) method. Use all standards specified in Appendix I. Analyze and quantify compounds as per RCRA 8280 or Region VII 11/85 protocol. Minor and major deviations must be discussed with Region III prior to bid award. Use cleanup options (see list in Appendix I) to meet percent recovery of surrogates (see Appendix I) and requested detection limits (see Table I). Actual methods and cleanup options used MUST be stated in the narrative. All standards must be within 15 percent of theoretical ion ratios for a valid sample analysis.
For sediment, centrifuge to remove water and dry with sodium sulfate as necessary. Proceed as above for soils.

8. Special technical instructions (if outside protocol requirements, specify compound names, CAS numbers, detection limits, etc.):

1) MUST monitor for masses of the FURAN interferents-the chlorinated diphenylethers.
2) Quantitation and standards are listed in Appendix I.
3) Identification of 2,3,7,8-substituted dioxin homologs based on 2 column confirmation (DB-5 and SP2330 or SP2331) using relative retention time (RRT) to labeled internal standard.
4) Monitor the M-COCl ions for additional confidence in identification.
5) Quantitate using the current daily response factor (average before and after samples).
6) Analyze Retention Time Marker Solution once per case (at a minimum).

9. Analytical results required (if known, specify format for data sheets, QA/QC reports, Chain-of-Custody documentation, etc.). If not completed, format of results will be left to program discretion.

See Appendix II for deliverables.
Report results on dry weight basis.
Supply all worksheets used to summarize data and verify ion ratios for samples and standards.

10. Other (use additional sheets or attach supplementary information, as needed):

1) a) If only task 1 is required (TEF < 1 ppb), then report results as 2,3,7,8-TCDD, other TCDD, 2,3,7,8-TCDF, other TCDF and total penta thru octa-CDD and -CDF.
   b) If task #2 is completed, report results as: "2,3,7,8-substituted -CDD and CDF and "other" CDD and CDF for each homolog group (tetra thru octa). NOTE: The sum of the "2,3,7,8-substituted" and "other" is the "total".
2) Report all furans which meet identification criteria whether a diphenylether interference is suspected or not. Note than an interference is possible on the data report sheet.

3) Report all data which fails any acceptance criteria on a separate form labelled "Rejected". Label each result as to the reason(s) for rejection. If more than one apply, list them all.
4) Calculate and report method efficiency of all internal standards based on ^{13}C-1,2,3,4-TCDD.

11. Name of sampling/shipping contact: John Ward

Phone: (717) 944-5501

Please return this request to the Sample Management Office as soon as possible to expedite processing of your request for special analytical services. Should you have any questions or need any assistance, please call the Sample Management Office.

12. Data Requirements

Parameter	Detection Limit	Precision Desired (+ or Concentration)
See Tables I & III		

13. QC Requirements

Audits Required	Frequency of Audits	Limits (Percent or Concentration)
All surrogates listed in Appendix I	Every sample	>60% and <140% recovery
Matrix spike	1 per batch* per matrix	>60% and <140% recovery
In-house duplicate	1 per batch* per matrix	See %RPD limits page 2 of Appendix I
Method blank	1 per extraction batch/ per matrix	<0.1 ppb 2,3,7,8-TCDD or estimated maximum (as defined in IFB)

*Batch = 24 samples of same matrix.

14. Action Required if Limits are Exceeded

Re-extraction and/or re-analysis if any internal standard not measured with signal-to-noise ratio >10:1.
Re-extraction of associated samples if results of blind audit sample(s) are outside EPA 99% acceptance limits.
Surrogate re-extraction/reanalysis requirements are specified in Appendix I.

15. Request reviewed by: Diana Pickens

Date: 7/7/87

Please return this request to the Sample Management Office as soon as possible to expedite processing of your request for special analytical services. Should you have any questions or need any assistance, please contact your Regional representative at the Sample Management Office.

NOTE: All deviations from the following requirements must be verbally accepted by the Regional contact and documented in the data package.

ANALYTICAL STANDARDS REQUIRED:

- ^{13}C 2,3,7,8-TCDD (internal standard for TCDD)
- ^{13}C 2,3,7,8-TCDF (internal standard for TCDF)
- ^{37}Cl 2,3,7,8-TCDD
- All native 2,3,7,8-substituted isomers for tetra-octa dioxins and furans.
- ^{13}C 2,3,7,8-substituted PCDD internal standard
- ^{13}C 2,3,7,8-substituted H_xCDD " "
- ^{13}C 2,3,7,8-substituted H_pCDD " "
- Two additional surrogate compounds (one CDF required) to be determined by lab based on availability of standard.
- Retention time marker solutions to verify proper acquisition of first and last isomers for each homolog. See Table II (from Region VII 11/85 protocol) for list of specific isomers required.
- ^{13}C 1,2,3,4-TCDD (recovery standard)

INSTRUMENT CALIBRATION MINIMAL REQUIREMENTS:

1) All compounds based on three point calibration curve with all response factors within 30% of the average RF.
2) Validation of the current instrument response by obtaining RF within 20% of the previously obtained average RF before analysis proceeds each day and at the end of each day OR every 12 hours--whichever is more frequent.
3) Validation of column resolution before sample analysis proceeds and at the end of each day OR every 12 hours--whichever is more frequent when 2,3,7,8-TCDD analysis on 2nd column (Task 2) is required.

SURROGATE ACCURACY LIMITS

Surrogate	Acceptable Limits
37Cl 2,3,7,8-TCDD	60-140%
Other surrogates	60-140%

ACTION REQUIRED IF ACCURACY LIMITS ARE EXCEEDED:

1) Check spike: solution concentration, preparation, technique and calculations;
2) Reinject extract;
3) Do additional cleanup;
4) Call Region III (Pat Krantz or other designated contact) if problem persists after actions 2 and 3 completed.

CLEANUP OPTIONS AVAILABLE

1. Region VII Options A, B, C.
2. EPA IFB Methods
3. HPLC (limited to 2,3,7,8-TCDD) See item #3 above.
4. Charcoal (Carbopack C or PX-21).

DELIVERABLES REQUIRED FOR HRGC/LRMS DIOXIN/FURAN ANALYSIS

I. SAMPLE PREPARATION AND METHOD DOCUMENTATION

A. "Cookbook" style step-by-step method including instrument/conditions, type and source of reagents.

B. Analyst bench record describing dilutions, weighings and any unusual occurrences during prep, extraction or clean up.

C. Calculations and method used in determination of percent solids (where applicable).

II. DIOXIN/FURAN QUANTITATION AND IDENTIFICATION DOCUMENTATION

A. Identification of CDDs and CDFs to be established according to Table III.

B. Provide estimated detection limits for all analytes not reported as positive, adhering to the following suggested requirements for adaption of procedures from the IFB for 2,3,7,8-TCDD:

1. NOISE LEVEL: It is preferrable to average the noise level using peak height as opposed to peak area. Peak area may be used only if a representative average area can be chosen with integration endpoints approximately as many scans wide as the peak width of the nearest internal standard (measured at 25% of its peak height).

2. PEAKS SLIGHTLY OUTSIDE CRITERIA: Whenever peaks above 2.5 times noise level for both ions maximize simultaneously, and ion ratios are outside ±15% of theoretical, but within ±25% of theoretical, any and all interferences of this type within the retention time window must be summed together for inclusion in the reported detection limit.

3. MULTIPLE INTERFERENCES: Whenever one third or more of the retention time window for identification of a congener class is obscurred or overlapped by peaks above 2.5 times the noise level for both ions which maximize simultaneously, but with ion ratios outside ±15% of theoretical, then the detection limit calculation must account for these interferences (as opposed to being based upon the noise level of cleaner regions of the chromatogram).

C. Example calculation of sample result(s).

D. Chromatograms to be supplied for each standard, blank, sample, and QC sample in the order specified in Section IV., paragraph C.

E. List of exact ion masses monitored for each isomer/class, current and historical response factors and relative retention times for positive ID.

F. TICs for all samples and QC (including blanks).

G. Document any altered calculations due to the presence of interferences. (Examples: When the M+4 ion of a C_{13}PCDF is interferred by the molecular ion of a PCDD, quantitation involving the C_{13}PCDF would be based upon the M+2 ion.)

QUALITY CONTROL

A. All positive method blank contents labelled on TICs and possible sources explained.

B. Surrogate accuracy data in tabular form; (concentration used, amount detected and percent accuracy).

C. Date and source of standard used to verify all in-house standards used for quantitation (include SICs/TICs) where applicable.

D. Daily column chromatography checks SICs and TICs (i.e., mixture of 5-7 dioxin/furan isomers that elute near 2,3,7,8).

E. Detection limit calculations.

F. Results of internally prepared spiked samples, duplicates, including SICs and TICs. NOTE: One matrix spike and duplicate required for soils and one MS and dup. for water samples.

IV. ORDER OF DELIVERABLES

General comment: Use EPA identification on all report sheets and chromatograms.

A. Case Narrative - include summary of problems, list of samples reported in package and any chain-of-custody information.

B. QC Summary:
Form B-1
Summary Form for other surrogates in Format similar to Form B-1.

C. Sample Data Grouped BY SAMPLE in ascending order (based on EPA identification number). NOTE: Reagent blanks precede samples.

1. Summary of Sample Results
2. Raw data for analysis on DB-5 column
Order with suggested ions.
Simultaneous display of SICs:
a) TCDD m/z 322, 328, 332, 334
b) TCDD m/z 257, 320, 322, 332, 334
c) PeCDD m/z 356, 358, 368, 370
d) HxCDD m/z 390, 392, 402, 404
e) HpCDD m/z 424, 426, 436, 438
f) OCDD m/z 458, 460, 470, 472
g) TCDF m/z 304, 306, 316, 318, 374, or 376
h) PeCDF m/z 340, 342, 352, 354, 408, or 410
i) HxCDF m/z 374, 376, 386, 388, 444 or 446
j) HpCDF m/z 408, 410, 420, 422, 478 or 480
k) OCDF m/z 442, 444, 454, 456 512

NOTE: Include in-house worksheets which show ion ratios for all peaks or note ratios on SICs. Integrated area and peak height must be supplied for all peaks 2.5 times above background. If this information is not printed on SICs, then supply a computer-generated list immediately behind the relevant SIC.

3. Raw data for analysis on SP-2331 column, order as above.
NOTE: Include in-house worksheets which show ion ratios for all peaks or note ratios on SICs. Integrated area and peak height must be supplied for all peaks 2.5 times above background. If this information is not printed on SICs, then supply a computer-generated list immediately behind the relevant SIC.

D. Standards Raw Data Group BY INSTRUMENT

1. For DB-5 column:

a) Initial Calibration
Include worksheets which show ion ratios for all standards.

b) Continuing Calibration (in order of chronology)
Include % difference calculation and worksheet which show ion ratios for all standards.

2. For SP2331 column: For those samples requiring confirmation of 2,3,7,8-substituted isomers:

a) Initial Calibration (for those sample sets which require work as per IFB):

1) Form B-2
2) Raw Data

b) Continuing Calibration (in order of chronology)

1) Form B-3
2) Raw Data

E. Other Relevant Information

1. Percent moisture calculations

2. Run log

3. Notes from analyst notebooks

4. Extraction log

5. Any other information requested as SAS deliverable

EXCERPT FROM HEALTH AND HUMAN SERVICES MEMORANDUM: PROCEDURES FOR CALCULATION OF TOTAL 2,3,7,8-TCDD TOXICITY EQUIVALENTS (TE).

"Total 2,3,7,8-TCDD equivalents" are calculated by multiplying the individual CDD and CDF concentrations by their respective TCDD equivalency factors and summing as follows:

0.5 x Total PeCDDs
0.040 x Total HxCDDs
0.100 x Total PeCDFs
0.010 x Total HxCDFs
0.001 x Total HpCDFs
1.000 x 2,3,7,8-TCDD *
0.010 x Non-2,3,7,8-TCDDs
0.001 x 1,2,3,4,6,7,8-HpCDD
0.00001 x Non-2,3,7,8-HpCDD
0.100 x 2,3,7,8-TCDF
+ 0.001 x Non-2,3,7,8-TCDFs

Total 2,3,7,8-TCDD toxicity equivalents

If the TE is greater than 1.0 ppb, then analysis for 2,3,7,8-substituted isomers on the confirmation column is automatically required.

* includes positives and estimated maximum concentrations (as defined in IFB)

7/7/87 JDP

AR300600

TABLE I

DETECTION LIMITS FOR CDDs AND CDFs

Total TCDDs ≤ 0.1 ppb

Total PeCDDs ≤ 0.5 ppb

Total HxCDDs ≤ 2.5 ppb

Total HpCDDs ≤ 100.0 ppb

Total TCDFs ≤ 1.0 ppb

Total PeCDFs ≤ 1.0 ppb

Total HxCDFs ≤ 10.0 ppb

Total HpCDFs ≤ 100.0 ppb

TABLE II

PCDD AND PCDF CONGENERS FOR DEFINING THE GC WINDOWS FOR EACH HOMOLOGUE ON A DB-5 COLUMN

PCDD - Positional Isomer		No. of Chlorines	PCDF - Positional Isomer	
Early Eluter	Late Eluter		Early Eluter	Late Eluter
1,3,6,8	1,2,8,9	4	1,3,6,8	1,2,8,9
1,2,4,7,8	1,2,3,8,9	5	1,3,4,6,8	1,2,3,8,9
1,2,3,4,6,8	1,2,3,4,6,7	6	1,2,3,4,6,8	1,2,3,4,8,9
1,2,3,4,6,7,8	1,2,3,4,6,7,9	7	1,2,3,4,6,7,8	1,2,3,4,7,8,9
12346789		8	12346789	

Date: 7/10/86

TABLE III

CRITERIA FOR IDENTIFICATION OF CDDs AND CDFs

For a gas chromatographic peak to be identified as a CDD or CDF, it must meet these criteria:

1. The signal to noise (S/N) ratio for all monitored ions must be greater than 2.5.

2. The monitored ions must maximize within three scans of each other.

3. The ratio of the intensities of the two largest ions in the molecular ion isotope cluster must be within 15% of the theoretical value.

4. For non-2,3,7,8-isomers, the RT must be between the RTs of the earliest and latest eluting compounds of that group, as verified by retention time marker solutions.

5. For 2,3,7,8-substituted isomers, the RRT must be within 0.06 of the RRT of an authentic standard run on the same day. Chromatographic separation of 2,3,7,8-isomers from their closest eluting isomers should be documented, if possible.

Table IV

Suggested Abbreviation and GC/MS Quantitation Ions for Polychlorinated-Dibenzodioxins (PCDD)

Compound	Abbreviation	Quantitation ions A and B (m/z) for analyte	Quantitation ions C and D (m/z) for $^{13}C_{12}$ labeled internal standard
Tetrachloro-DD	TCDD	A 319.8965 B 321.8936	C 331.9368 D 333.9339
Pentachloro-DD	PeCDD	A 355.8546 B 357.8516	C 367.8949 D 369.8919
Hexachloro-DD	HxCDD	A 389.8156 B 391.8127	C 401.8559 D 403.8530
Heptachloro-DD	HpCDD	A 423.7766 B 425.7737	C 435.8169 D 437.8140
Octachloro-DD	OCDD	A 457.7377 B 459.7347	C 469.7780 D 471.7750

Table V

Suggested Abbreviation and GC/MS Quantitation Ions for Polychlorinated-Dibenzofurans (PCDF)

Compound	Abbreviation	Quantitation ions A and B (m/z) for analyte	Quantitation ions C and D (m/z) for $^{13}C_{12}$ labeled internal standard
Tetrachloro-DF	TCDF	A 303.9016 B 305.8987	C 315.9419 D 317.9390
Pentachloro-DF	PeCDF	A 339.8597 B 341.8567	C 351.9000 D 353.8970
Hexachloro-DF	HxCDF	A 373.8207 B 375.8178	C 385.8610 D 387.8581
Heptachloro-DF	HpCDF	A 407.7817 B 409.7788	C 419.7831 D 421.8191
Octachloro-DF	OCDF	A 441.7428 B 443.7398	C 453.7831 D 455.7801

U.S. Environmental Protection Agency
HWI Sample Management Office
P.O. Box 818, Alexandria, VA 22313
PHONE: (703) 557-2490 or FTS 557-2490

SAS Number

SPECIAL ANALYTICAL SERVICES
Regional Request

☐ Regional Transmittal ☐ Telephone Request

A. EPA Region and Client: III Walter Lee

B. Regional Representative: Colleen K. Walling

C. Telephone Number: (301) 224-2740 or FTS 922-3752

D. Date of Request: 7/7/87

E. Site Name: Havertown, PA

Please provide below a description of your request for Special Analytical Services under the Contract Laboratory Program. In order to most effeciently obtain laboratory capability for your request, please address the following considerations, if applicable. Incomplete or erroneous information may result in delay in the processing of your request. Please continue response on additional sheets, or attach suupplementary information as needed.

1. General description of analytical service requested:

Task 1a. Analysis for total tetra thru octa chlorinated dibenzo-p-dioxins a dibenzofurans and confirmation of 2,3,7,8-substituted tetra thru hepta isomers (when initial "total" TE value is greater than 1 ppb). Detection limit low pptr for water samples.

b. Computation of total 2,3,7,8-TCDD equivalents (TE) as specified in the attached excerpt from the Department of Health and Human Services Memorandum.

Task 2. Confirmation of 2,3,7,8-substituted tetra thru hepta dioxins and furans is required if the total 2,3,7,8-TCDD equivalent (calculated as indicated) exceeds 1.0 ppb.

2. Definition and number of work units involved (specify whether whole samples or fractions; whether organics or inorganics; whether aqueous or soil and sediments; and whether low, medium, or high concentration):

13 groundwater and 11 surface water samples.
Detection limit must be as low as possible based on 1 liter sample size for groundwater. Solids and/or oil may prohibit 1 liter sample for surface water.

3. Purpose of analysis (specify whether Superfund (Remedial or Enforcement), RCRA, NPDES, etc.):

Superfund /ENFORCEMENT 7T6B03N654
REMEDIAL AR300605

4. Estimated date(s) of collection: 7/13/87 - 7/24/87

5. Estimated date(s) and method of shipment: By Federal Express (or as soon as SAS awarded).

6. Approximate number of days results required after lab receipt of samples:

30 days

7. Analytical protocol required (attach copy if other than a protocol currently used in this program):

NOTE: Samples may contain oil or solids. Notify Region if extraction of 1 liter is not suitable.
For water extract as per RCRA 8280 (water matrix) method. Use all standards specified in Appendix I. Analyze and quantify compounds as per RCRA 8280 or Region VII 11/85 protocol. Minor and major deviations must be discussed with Region III prior to bid award. Use cleanup options (see list in Appendix I) to meet percent recovery of surrogates (see Appendix I) and requested detection limits (see Table I). Actual methods and cleanup options used MUST be stated in the narrative. All standards must be within 15 percent of theoretical ion ratios for a valid sample analysis.
For sediment, centrifuge to remove water and dry with sodium sulfate as necessary. Proceed asd above for soils.

8. Special technical instructions (if outside protocol requirements, specify compound names, CAS numbers, detection limits, etc.):

1) MUST monitor for masses of the FURAN interferents-the chlorinated diphenylethers.
2) Quantitation and standards are listed in Appendix I.
3) Identification of 2,3,7,8-substituted dioxin homologs based on 2 column confirmation (DB-5 and SP2330 or SP2331) using relative retention time (RRT) to labeled internal standard.
4) Monitor the M-COCl ions for additional confidence in identification.
5) Quantitate using the current daily response factor (average before and after samples).
6) Analyze Retention Time Marker Solution once per case (at a minimum).

9. Analytical results required (if known, specify format for data sheets, QA/QC reports, Chain-of-Custody documentation, etc.). If not completed, format of results will be left to program discretion.

See Appendix II for deliverables.
Report results on dry weight basis.
Supply all worksheets used to summarize data and verify ion ratios for samples and standards.

10. Other (use additional sheets or attach supplementary information, as needed):

1) a) If only task 1 is required (TEF < 1 ppb), then report results as 2,3,7,8-TCDD, other TCDD, 2,3,7,8-TCDF, other TCDF and total penta thru octa-CDD and -CDF.
   b) If task #2 is completed, report results as: "2,3,7,8-substituted -CDD and CDF and "other" CDD and CDF for each homologous group (tetra thru octa). NOTE: The sum of the "2,3,7,8-substituted" and "other" is the "total".
2) Report all furans which meet identification criteria whether a diphenylether interference is suspected or not. Note than an interference is possible on the data report sheet.

3) Report all data which fails any acceptance criteria on a separate form labelled "Rejected". Label each result as to the reason(s) for rejection. If more than one apply, list them all.
4) Calculate and report method efficiency of all internal standards based on ^{13}C-1,2,3,4-TCDD.

11. Name of sampling/shipping contact: John Ward

Phone: (717) 944-5501

Please return this request to the Sample Management Office as soon as possible to expedite processing of your request for special analytical services. Should you have any questions or need any assistance, please call the Sample Management Office.

12. Data Requirements

Parameter	Detection Limit	Precision Desired (± or Concentration)
See Tables I & III		
(modified 7/7/87		

13. QC Requirements

Audits Required	Frequency of Audits	Limits (Percent or Concentration)
All surrogates listed in Appendix I	Every sample	>60% and <140% recovery
Matrix spike	1 per batch* per matrix	>60% and <140% recovery
In-house duplicate	1 per batch* per matrix	See %RPD limits page 2 of Appendix I
Method blank	1 per extraction batch/ per matrix	<0.1 ppb 2,3,7,8-TCDD or estimated maximum (as defined in IFB)

*Batch = 24 samples of same matrix.

14. Action Required if Limits are Exceeded

Re-extraction and/or re-analysis if any internal standard not measured with signal-to-noise ratio >10:1.
Re-extraction of associated samples if results of blind audit sample(s) are outside EPA 99% acceptance limits.
Surrogate re-extraction/reanalysis requirements are specified in Appendix I.

15. Request reviewed by: Diana Pickens

Date: 7/7/87

Please return this request to the Sample Management Office as soon as possible to expedite processing of your request for special analytical services. Should you have any questions or need any assistance, please contact your Regional representative at the Sample Management Office.

APPENDIX 1 7/6/87 Revision

NOTE: All deviations from the following requirements must be verbally accepted by the Regional contact and documented in the data package.

ANALYTICAL STANDARDS REQUIRED:

- ^{13}C 2,3,7,8-TCDD (internal standard for TCDD)
- ^{13}C 2,3,7,8-TCDF (internal standard for TCDF)
- ^{37}Cl 2,3,7,8-TCDD
- All native 2,3,7,8-substituted isomers for tetra-octa dioxins and furans.
- ^{13}C 2,3,7,8-substituted PCDD internal standard
- ^{13}C 2,3,7,8-substituted H_xCDD " "
- ^{13}C 2,3,7,8-substituted H_pCDD " "
- Two additional surrogate compounds (one CDF required) to be determined by lab based on availability of standard.
- Retention time marker solutions to verify proper acquisition of first and last isomers for each homolog. See Table II (from Region VII 11/85 protocol) for list of specific isomers required.
- ^{13}C 1,2,3,4-TCDD (recovery standard)

INSTRUMENT CALIBRATION MINIMAL REQUIREMENTS:

1) All compounds based on three point calibration curve with all response factors within 30% of the average RF.
2) Validation of the current instrument response by obtaining RF within 20% of the previously obtained average RF before analysis proceeds each day and at the end of each day OR every 12 hours--whichever is more frequent.
3) Validation of column resolution before sample analysis proceeds and at the end of each day OR every 12 hours--whichever is more frequent when 2,3,7,8-TCDD analysis on 2nd column (Task 2) is required.

SURROGATE ACCURACY LIMITS

Surrogate	Acceptable Limits
37Cl 2,3,7,8-TCDD	60-140%
Other surrogates	60-140%

ACTION REQUIRED IF ACCURACY LIMITS ARE EXCEEDED:

1) Check spike: solution concentration, preparation, technique and calculations;
2) Reinject extract;
3) Do additional cleanup;
4) Call Region III (Pat Krantz or other designated contact) if problem persists after actions 2 and 3 completed.

CLEANUP OPTIONS AVAILABLE

1. Region VII Options A, B, C.
2. EPA IFB Methods
3. HPLC (limited to 2,3,7,8-TCDD) See item #3 above.
4. Charcoal (Carbopack C or PX-21).

DELIVERABLES REQUIRED FOR HRGC/LRMS DIOXIN/FURAN ANALYSIS

I. SAMPLE PREPARATION AND METHOD DOCUMENTATION

A. "Cookbook" style step-by-step method including instrument/conditions, type and source of reagents.

B. Analyst bench record describing dilutions, weighings and any unusual occurrences during prep, extraction or clean up.

C. Calculations and method used in determination of percent solids (where applicable).

II. DIOXIN/FURAN QUANTITATION AND IDENTIFICATION DOCUMENTATION

A. Identification of CDDs and CDFs to be established according to Table III.

B. Provide estimated detection limits for all analytes not reported as positive, adhering to the following suggested requirements for adaption of procedures from the IFB for 2,3,7,8-TCDD:

1. NOISE LEVEL: It is preferrable to average the noise level using peak height as opposed to peak area. Peak area may be used only if a representative average area can be chosen with integration endpoints approximately as many scans wide as the peak width of the nearest internal standard (measured at 25% of its peak height).

2. PEAKS SLIGHTLY OUTSIDE CRITERIA: Whenever peaks above 2.5 times noise level for both ions maximize simultaneously, and ion ratios are outside ±15% of theoretical, but within ±25% of theoretical, any and all interferences of this type within the retention time window must be summed together for inclusion in the reported detection limit.

3. MULTIPLE INTERFERENCES: Whenever one third or more of the retention time window for identification of a congener class is obscurred or overlapped by peaks above 2.5 times the noise level for both ions which maximize simultaneously, but with ion ratios outside ±15% of theoretical, then the detection limit calculation must account for these interferences (as opposed to being based upon the noise level of cleaner regions of the chromatogram).

C. Example calculation of sample result(s).

D. Chromatograms to be supplied for each standard, blank, sample, and QC sample in the order specified in Section IV., paragraph C.

E. List of exact ion masses monitored for each isomer/class, current and historical response factors and relative retention times for positive ID.

F. TICs for all samples and QC (including blanks).

G. Document any altered calculations due to the presence of interferences. (Examples: When the M+4 ion of a C_{13}PCDF is interferred by the molecular ion of a PCDD, quantitation involving the C_{13}PCDF would be based upon the M+2 ion.)

QUALITY CONTROL

A. All positive method blank contents labelled on TICs and possible sources explained.

B. Surrogate accuracy data in tabular form; (concentration used, amount detected and percent accuracy).

C. Date and source of standard used to verify all in-house standards used for quantitation (include SICs/TICs) where applicable.

D. Daily column chromatography checks SICs and TICs (i.e., mixture of 5-7 dioxin/furan isomers that elute near 2,3,7,8).

E. Detection limit calculations.

F. Results of internally prepared spiked samples, duplicates, including SICs and TICs. NOTE: One matrix spike and duplicate required for soils and one MS and dup. for water samples.

IV. ORDER OF DELIVERABLES

General comment: Use EPA identification on all report sheets and chromatograms.

A. Case Narrative - include summary of problems, list of samples reported in package and any chain-of-custody information.

B. QC Summary:
Form B-1
Summary Form for other surrogates in Format similar to Form B-1.

C. Sample Data Grouped BY SAMPLE in ascending order (based on EPA identification number). NOTE: Reagent blanks precede samples.

1. Summary of Sample Results
2. Raw data for analysis on DB-5 column
Order with suggested ions.
Simultaneous display of SICs:
a) TCDD m/z 322, 328, 332, 334
b) TCDD m/z 257, 320, 322, 332, 334
c) PeCDD m/z 356, 358, 368, 370
d) HxCDD m/z 390, 392, 402, 404
e) HpCDD m/z 424, 426, 436, 438
f) OCDD m/z 458, 460, 470, 472
g) TCDF m/z 304, 306, 316, 318, 374, or 376
h) PeCDF m/z 340, 342, 352, 354, 408, or 410
i) HxCDF m/z 374, 376, 386, 388, 444 or 446
j) HpCDF m/z 408, 410, 420, 422, 478 or 480
k) OCDF m/z 442, 444, 454, 456 512

NOTE: Include in-house worksheets which show ion ratios for all peaks or note ratios on SICs. Integrated area and peak height must be supplied for all peaks 2.5 times above background. If this information is not printed on SICs, then supply a computer-generated list immediately behind the relevant SIC.

HR300610

3. Raw data for analysis on SP-2331 column, order as above.
NOTE: Include in-house worksheets which show ion ratios for all peaks or note ratios on SICs. Integrated area and peak height must be supplied for all peaks 2.5 times above background. If this information is not printed on SICs, then supply a computer-generated list immediately behind the relevant SIC.

D. Standards Raw Data Group BY INSTRUMENT

1. For DB-5 column:

a) Initial Calibration
Include worksheets which show ion ratios for all standards.

b) Continuing Calibration (in order of chronology)
Include % difference calculation and worksheet which show ion ratios for all standards.

2. For SP2331 column: For those samples requiring confirmation of 2,3,7,8-substituted isomers:

a) Initial Calibration (for those sample sets which require work as per IFB):

1) Form B-2
2) Raw Data

b) Continuing Calibration (in order of chronology)

1) Form B-3
2) Raw Data

E. Other Relevant Information

1. Percent moisture calculations

2. Run log

3. Notes from analyst notebooks

4. Extraction log

5. Any other information requested as SAS deliverable

TABLE I

DETECTION LIMITS FOR CDDs AND CDFs

Modified 7/7/87 DJP

Total TCDDs ≤	~~0.1 ppb~~	< 5 pptr
Total PeCDDs ≤	~~0.5 ppb~~	< 25 "
Total HxCDDs ≤	~~2.5 ppb~~	< 125 "
Total HpCDDs ≤	~~100.0 ppb~~	< 5000 "
Total TCDFs ≤	~~1.0 ppb~~	< 50 "
Total PeCDFs ≤	~~1.0 ppb~~	< 50 "
Total HxCDFs ≤	~~10.0 ppb~~	< 500 "
Total HpCDFs ≤	~~100.0 ppb~~	< 5000 "

TABLE II

PCDD AND PCDF CONGENERS FOR DEFINING THE GC WINDOWS FOR EACH HOMOLOGUE ON A DB-5 COLUMN

PCDD - Positional Isomer		No. of	PCDF - Positional Isomer	
Early Eluter	Late Eluter	Chlorines	Early Eluter	Late Eluter
1,3,6,8	1,2,8,9	4	1,3,6,8	1,2,8,9
1,2,4,7,8	1,2,3,8,9	5	1,3,4,6,8	1,2,3,8,9
1,2,3,4,6,8	1,2,3,4,6,7	6	1,2,3,4,6,8	1,2,3,4,8,9
1,2,3,4,6,7,8	1,2,3,4,6,7,9	7	1,2,3,4,6,7,8	1,2,3,4,7,8,9
12346789		8	12346789	

Date: 7/10/86

TABLE III

CRITERIA FOR IDENTIFICATION OF CDDs AND CDFs

For a gas chromatographic peak to be identified as a CDD or CDF, it must meet these criteria:

1. The signal to noise (S/N) ratio for all monitored ions must be greater than 2.5.

2. The monitored ions must maximize within three scans of each other.

3. The ratio of the intensities of the two largest ions in the molecular ion isotope cluster must be within 15% of the theoretical value.

4. For non-2,3,7,8-isomers, the RT must be between the RTs of the earliest and latest eluting compounds of that group, as verified by retention time marker solutions.

5. For 2,3,7,8-substituted isomers, the RRT must be within 0.06 of the RRT of an authentic standard run on the same day. Chromatographic separation of 2,3,7,8-isomers from their closest eluting isomers should be documented, if possible.

Table IV

Suggested Abbreviation and GC/MS Quantitation Ions for Polychlorinated-Dibenzodioxins (PCDD)

Compound	Abbreviation	Quantitation ions A and B (m/z) for analyte	Quantitation ions C and D (m/z) for $^{13}C_{12}$ labeled internal standard
Tetrachloro-DD	TCDD	A 319.8965 B 321.8936	C 331.9368 D 333.9339
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Hexachloro-DD	HxCDD	A 389.8156 B 391.8127	C 401.8559 D 403.8530
Heptachloro-DD	HpCDD	A 423.7766 B 425.7737	C 435.8169 D 437.8140
Octachloro-DD	OCDD	A 457.7377 B 459.7347	C 469.7780 D 471.7750

Table V

Suggested Abbreviation and GC/MS Quantitation Ions for Polychlorinated-Dibenzofurans (PCDF)

Compound	Abbreviation	Quantitation ions A and B (m/z) for analyte	Quantitation ions C and D (m/z) for $^{13}C_{12}$ labeled internal standard
Tetrachloro-DF	TCDF	A 303.9016 B 305.8987	C 315.9419 D 317.9390
Pentachloro-DF	PeCDF	A 339.8597 B 341.8567	C 351.9000 D 353.8970
Hexachloro-DF	HxCDF	A 373.8207 B 375.8178	C 385.8610 D 387.8581
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