

US EPA ARCHIVE DOCUMENT

**APPENDIX B. DATA SUMMARY TABLES**

**Volatile Organic Compounds**

SITE: Wells G&H (Operable Unit 3)  
CASE NO.: 0049M

DATA SUMMARY TABLES  
Delivery of Analytical Services for  
Volatile Organic Analyses (modified 8260A)  
Sediment Matrix  
(ug/kg)

M&E SAMPLE ID: DAS SAMPLE NUMBER: REMARKS:	SED-01-06 DAM322 ----	SED-01-07 DAM323 ----	SED-02-01 DAM326 ----	SED-02-02 DAM327 ----	SED-03-02 DAM325 ----	SED-04-02 DAM333 ----	
<b>ANALYTE</b>	<b>RL</b>						
Vinyl chloride	0.30	197 UJ	228 UJ	77 UJ	159 UJ	132 UJ	180 U
1,1-Dichloroethene	0.30	197 UJ	228 UJ	77 UJ	159 UJ	132 UJ	180 U
Methylene chloride	0.30	197 UJ	228 UJ	77 UJ	159 UJ	132 UJ	180 U
trans-1,2-Dichloroethene	0.30	197 UJ	228 UJ	77 UJ	159 UJ	132 UJ	180 U
1,1-Dichloroethane	0.30	197 UJ	228 UJ	77 UJ	159 UJ	132 UJ	180 U
cis-1,2-Dichloroethene	0.10	62 J	58 J	26 UJ	53 UJ	28 J	60 UJ
Chloroform	0.10	66 UJ	76 UJ	26 UJ	53 UJ	44 UJ	60 UJ
1,1,1-Trichloroethane	0.30	197 UJ	228 UJ	77 UJ	159 UJ	132 UJ	180 U
1,2-Dichloroethane	0.30	197 UJ	228 UJ	77 UJ	159 UJ	132 UJ	180 U
Benzene	0.04	26 UJ	30 UJ	10 UJ	21 UJ	9 J	24 UJ
Trichloroethene	0.10	37 J	76 UJ	26 UJ	53 UJ	44 UJ	60 UJ
1,1,2-Trichloroethane	0.10	66 UJ	76 UJ	26 UJ	53 UJ	44 UJ	60 UJ
Tetrachloroethene	0.30	197 UJ	228 UJ	77 UJ	159 UJ	132 UJ	180 U
1,1,1,2-Tetrachloroethane	0.04	26 UJ	30 UJ	10 UJ	21 UJ	18 UJ	24 UJ
Ethylbenzene	0.04	26 UJ	30 UJ	10 UJ	21 UJ	18 UJ	24 UJ
m/p-Xylene	0.10	66 UJ	76 UJ	26 UJ	53 UJ	44 UJ	60 UJ
o-Xylene	0.10	66 UJ	76 UJ	26 UJ	53 UJ	44 UJ	60 UJ
1,1,2,2-Tetrachloroethane	0.10	66 UJ	76 UJ	26 UJ	53 UJ	44 UJ	60 UJ
Naphthalene	0.30	197 UJ	228 UJ	77 UJ	159 UJ	132 UJ	180 U
<b>DILUTION FACTOR:</b>	655.0	761.1	257.0	530.8	438.7	599.7	
<b>SAMPLE WEIGHT (g):</b>	30.8	23.6	33.2	27.5	35.0	27.8	
<b>PERCENT MOISTURE (%):</b>	86	86	69	82	81	84	
<b>LEVEL:</b>	Low	Low	Low	Low	Low	Low	
<b>DATE SAMPLED:</b>	11/12/97	11/12/97	11/13/97	11/13/97	11/13/97	11/14/97	
<b>DATE ANALYZED:</b>	11/23/97	11/23/97	11/21/97	11/21/97	11/24/97	11/28/97	

NOTES:

- RL - Reporting Limit
- J - Quantitation is approximate due to limitations identified in the quality control review
- U - Value reported is the sample-specific detection limit
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Sediment Matrix  
(ug/kg)

M&E SAMPLE ID: DAS SAMPLE NUMBER: REMARKS:	SED-04-03 DAM334 -----	SED-05-03 DAM328 -----	SED-06-03 DAM345 -----	SED-07-02 DAM359 -----	SED-07-05 DAM360 -----	SED-07-10 DAM353 -----
<b>ANALYTE</b>						
<b>RL</b>						
Vinyl chloride	0.30 221 U	28 U	96 U	74 UJ	79 UJ	101 UJ
1,1-Dichloroethene	0.30 221 U	28 U	96 U	74 UJ	79 UJ	101 UJ
Methylene chloride	0.30 221 U	28 U	96 U	74 UJ	79 UJ	101 UJ
trans-1,2-Dichloroethene	0.30 221 U	28 U	96 U	74 UJ	79 UJ	101 UJ
1,1-Dichloroethane	0.30 221 U	28 U	96 U	74 UJ	79 UJ	101 UJ
cis-1,2-Dichloroethene	0.10 74 UJ	7 J	38 J	20 J	18 J	24 J
Chloroform	0.10 224 UJ	9 UJ	32 UJ	25 UJ	26 UJ	34 UJ
1,1,1-Trichloroethane	0.30 221 U	28 U	96 U	74 UJ	79 UJ	101 UJ
1,2-Dichloroethane	0.30 221 U	28 U	96 U	74 UJ	79 UJ	101 UJ
Benzene	0.04 32 UJ	6 J	52 J	16 J	24 J	35 J
Trichloroethene	0.10 74 UJ	6 J	52 J	16 J	24 J	35 J
1,1,2-Trichloroethane	0.10 74 UJ	9 UJ	32 UJ	25 UJ	26 UJ	34 UJ
Tetrachloroethene	0.30 221 U	28 U	96 U	74 UJ	79 UJ	101 UJ
1,1,1,2-Tetrachloroethane	0.04 29 UJ	4 UJ	13 UJ	10 UJ	11 UJ	13 UJ
Ethylbenzene	0.04 29 UJ	5 J	9 J	5 J	11 UJ	13 UJ
m/p-Xylene	0.10 74 UJ	10 J	25 J	25 UJ	26 UJ	34 UJ
o-Xylene	0.10 74 UJ	9 UJ	32 UJ	25 UJ	26 UJ	34 UJ
1,1,2,2-Tetrachloroethane	0.10 74 UJ	9 UJ	32 UJ	25 UJ	26 UJ	34 UJ
Naphthalene	0.30 221 U	17 J	70 J	74 UJ	79 UJ	101 UJ
DILUTION FACTOR:	735.8	94.3	320.6	248.3	263.0	336.9
SAMPLE WEIGHT (g):	22.1	44.5	26.1	33.0	36.8	32.1
PERCENT MOISTURE (%):	85	42	71	68	71	75
LEVEL:	Low	Low	Low	Low	Low	Low
DATE SAMPLED:	11/14/97	11/13/97	11/18/97	11/20/97	11/20/97	11/19/97
DATE ANALYZED:	11/24/97	11/21/97	12/1/97	12/2/97	12/2/97	12/1/97

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SITE: Wells G&H (Operable Unit 3)  
CASE NO.: 0049M

**DATA SUMMARY TABLES**  
Delivery of Analytical Services for  
Volatile Organic Analyses (modified 8260A)  
Sediment Matrix  
(ug/kg)

M&E SAMPLE ID: DAS SAMPLE NUMBER: REMARKS:	SED-10-01 DAM351 FD of SED-10-04	SED-10-02 DAM352 ----	SED-10-04 DAM355 FD of SED-10-01	SED-11-01 DAM336 ----	SED-12-01 DAM357 ----	SED-12-03 DAM358 ----	
<b>ANALYTE</b>	<b>RL</b>						
Vinyl chloride	0.30	330 U	278 U	312 U	171 U	309 U	124 U
1,1-Dichloroethene	0.30	330 U	278 U	312 U	171 U	309 U	124 U
Methylene chloride	0.30	330 U	278 U	312 U	171 U	309 U	124 U
trans-1,2-Dichloroethene	0.30	330 U	278 U	312 U	387	309 U	124 U
1,1-Dichloroethane	0.30	330 U	278 U	312 U	171 U	309 U	124 U
cis-1,2-Dichloroethene	0.10	110 UJ	93 UJ	64 J	170 J	417 J	25 J
Chloroform	0.10	110 UJ	93 UJ	104 UJ	154 UJ	103 UJ	41 UJ
1,1,1-Trichloroethane	0.30	330 U	278 U	312 U	171 U	309 U	124 U
1,2-Dichloroethane	0.30	330 U	278 U	312 U	171 U	309 U	124 U
Benzene	0.04	44 UJ	21 J	42 UJ	23 UJ	41 UJ	9 J
Trichloroethene	0.10	110 UJ	60 J	104 UJ	103 UJ	53 J	41 UJ
1,1,2-Trichloroethane	0.10	110 UJ	93 UJ	104 UJ	57 UJ	103 UJ	41 UJ
Tetrachloroethene	0.30	330 U	278 U	312 U	171 U	309 U	124 U
1,1,1,2-Tetrachloroethane	0.04	44 UJ	37 UJ	42 UJ	23 UJ	41 UJ	16 UJ
Ethylbenzene	0.04	44 UJ	37 UJ	42 UJ	23 UJ	41 UJ	16 UJ
m/p-Xylene	0.10	110 UJ	93 UJ	104 UJ	57 UJ	103 UJ	41 UJ
o-Xylene	0.10	110 UJ	93 UJ	104 UJ	57 UJ	103 UJ	41 UJ
1,1,2,2-Tetrachloroethane	0.10	110 UJ	93 UJ	104 UJ	57 UJ	103 UJ	41 UJ
Naphthalene	0.30	330 U	278 U	312 U	171 U	309 U	124 U
<b>DILUTION FACTOR:</b>	1098.7	925.0	1041.5	569.9	1029.7	412.5	
<b>SAMPLE WEIGHT (g):</b>	28.1	26.2	31.1	34.9	31.8	35.3	
<b>PERCENT MOISTURE (%):</b>	91	89	91	85	91	80	
<b>LEVEL:</b>	Low	Low	Low	Low	Low	Low	
<b>DATE SAMPLED:</b>	11/19/97	11/19/97	11/19/97	11/14/97	11/20/97	11/20/97	
<b>DATE ANALYZED:</b>	11/28/97	12/2/97	12/2/97	11/21/97	12/1/97	12/1/97	

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SITE: Wells G&H (Operable Unit 3)  
CASE NO.: 0049M

**DATA SUMMARY TABLES**  
Delivery of Analytical Services for  
Volatile Organic Analyses (modified 8260A)  
Sediment Matrix  
(ug/kg)

M&E SAMPLE ID: DAS SAMPLE NUMBER: REMARKS:	SED-13-01 DAM341 -----	SED-13-03 DAM342 -----	SED-15-01 DAM340 -----	SED-18-02 DAM347 -----	SED-18-03 DAM348 -----	SED-19-01 DAM354 -----	
<b>ANALYTE</b>							
<b>RL</b>							
Vinyl chloride	0.30	104 UJ	97 UJ	190 UJ	178 U	229 U	237 UJ
1,1-Dichloroethene	0.30	104 UJ	97 UJ	190 UJ	178 U	229 U	237 UJ
Methylene chloride	0.30	104 UJ	97 UJ	190 UJ	178 U	229 U	237 UJ
trans-1,2-Dichloroethene	0.30	104 UJ	97 UJ	190 UJ	178 U	229 U	237 UJ
1,1-Dichloroethane	0.30	104 UJ	97 UJ	190 UJ	178 U	229 U	237 UJ
cis-1,2-Dichloroethene	0.10	35 UJ	23 J	187 J	37 J	76 UJ	82 J
Chloroform	0.10	35 UJ	32 UJ	63 UJ	59 UJ	76 UJ	79 UJ
1,1,1-Trichloroethane	0.30	104 UJ	97 UJ	190 UJ	178 U	229 U	237 UJ
1,2-Dichloroethane	0.30	104 UJ	97 UJ	190 UJ	178 U	229 U	237 UJ
Benzene	0.04	8 J	7 J	25 UJ	24 UJ	31 UJ	32 UJ
Trichloroethene	0.10	35 UJ	37 J	206 J	59 UJ	76 UJ	42 J
1,1,2-Trichloroethane	0.10	35 UJ	32 UJ	63 UJ	59 UJ	76 UJ	79 UJ
Tetrachloroethene	0.30	108 UJ	97 UJ	190 UJ	178 U	229 U	237 UJ
1,1,1,2-Tetrachloroethane	0.04	14 UJ	13 UJ	25 UJ	24 UJ	31 UJ	32 UJ
Ethylbenzene	0.04	9 J	13 UJ	25 UJ	24 UJ	31 UJ	32 UJ
m/p-Xylene	0.10	35 UJ	32 UJ	63 UJ	59 UJ	76 UJ	79 UJ
o-Xylene	0.10	35 UJ	32 UJ	63 UJ	59 UJ	76 UJ	79 UJ
1,1,2,2-Tetrachloroethane	0.10	35 UJ	32 UJ	63 UJ	59 UJ	76 UJ	79 UJ
Naphthalene	0.30	104 UJ	97 UJ	190 UJ	178 U	229 U	237 UJ
<b>DILUTION FACTOR:</b>	346.0	323.7	634.8	592.9	763.1	790.4	
<b>SAMPLE WEIGHT (g):</b>	33.3	31.8	32.7	32.3	23.5	29.5	
<b>PERCENT MOISTURE (%):</b>	76	74	86	85	86	88	
<b>LEVEL:</b>	Low	Low	Low	Low	Low	Low	
<b>DATE SAMPLED:</b>	11/17/97	11/17/97	11/17/97	11/18/97	11/18/97	11/19/97	
<b>DATE ANALYZED:</b>	11/28/97	11/28/97	12/1/97	11/28/97	11/28/97	12/1/97	

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SITE: Weiss G&H (Operable Unit 3)  
CASE NO.: 0049M

DATA SUMMARY TABLES  
Delivery of Analytical Services for  
Volatile Organic Analyses (modified 8260A)  
Sediment Matrix  
(ug/kg)

M&E SAMPLE ID: DAS SAMPLE NUMBER: REMARKS:	SED-20-01 DAM339 -----	SED-21-01 DAM335 FD of SED-21-05	SED-21-05 DAM337 FD of SED-21-01	SED-22-02 DAM321 -----	SED-24-03 DAM320 -----	SED-25-02 DAM346 -----
<b>ANALYTE</b>						
<b>RL</b>						
Vinyl chloride	0.30 343 U	225 UJ	229 U	205 U	69 U	36 UJ
1,1-Dichloroethene	0.30 343 U	225 UJ	229 U	205 U	69 U	36 UJ
Methylene chloride	0.30 343 U	225 UJ	229 U	205 U	69 U	36 UJ
trans-1,2-Dichloroethene	0.30 343 U	225 UJ	229 U	205 U	69 U	36 UJ
1,1-Dichloroethane	0.30 343 U	225 UJ	229 U	205 U	69 U	36 UJ
cis-1,2-Dichloroethene	0.10 562 J	75 UJ	76 UJ	73 J	23 UJ	12 UJ
Chloroform	0.10 114 UJ	75 UJ	76 UJ	68 UJ	23 UJ	12 UJ
1,1,1-Trichloroethane	0.30 343 U	225 UJ	229 U	205 U	69 U	36 UJ
1,2-Dichloroethane	0.30 343 U	225 UJ	229 U	205 U	69 U	36 UJ
Benzene	0.04 46 UJ	19 J	22 J	27 UJ	9 UJ	4 J
Trichloroethene	0.10 2025 J	75 UJ	76 UJ	803	23 UJ	12 UJ
1,1,2-Trichloroethane	0.10 114 UJ	75 UJ	76 UJ	68 UJ	23 UJ	12 UJ
Tetrachloroethene	0.30 790 U	225 UJ	229 U	3164	69 U	36 UJ
1,1,1,2-Tetrachloroethane	0.04 46 UJ	30 UJ	31 UJ	27 UJ	9 UJ	5 UJ
Ethylbenzene	0.04 46 UJ	30 UJ	31 UJ	27 UJ	9 UJ	5 UJ
m/p-Xylene	0.10 114 UJ	75 UJ	76 UJ	68 UJ	23 UJ	12 UJ
o-Xylene	0.10 114 UJ	75 UJ	76 UJ	68 UJ	23 UJ	12 UJ
1,1,2,2-Tetrachloroethane	0.10 114 UJ	75 UJ	76 UJ	68 UJ	23 UJ	12 UJ
Naphthalene	0.30 343 U	255 J	379	205 U	69 U	36 UJ
<b>DILUTION FACTOR:</b>	1141.7	748.9	763.5	684.9	229.2	118.4
<b>SAMPLE WEIGHT (g):</b>	26.2	32.7	31.5	24.9	35.6	38.2
<b>PERCENT MOISTURE (%):</b>	91	88	88	85	67	47
<b>LEVEL:</b>	Low	Low	Low	Low	Low	Low
<b>DATE SAMPLED:</b>	11/17/97	11/14/97	11/14/97	11/12/97	11/12/97	11/18/97
<b>DATE ANALYZED:</b>	11/24/97	11/24/97	11/28/97	11/23/97	11/21/97	11/28/97

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SITE: Wells G&H (Operable Unit 3)  
CASE NO.: 0049M

**DATA SUMMARY TABLES**  
Delivery of Analytical Services for  
Volatile Organic Analyses (modified 8260A)  
Trip Blank and Methanol Matrices  
(ug/kg)

M&E SAMPLE ID: DAS SAMPLE NUMBER: REMARKS:		SED-12-TB DAM324 Trip Blank	SED-13-TB DAM329 Trip Blank	SED-14-MB DAM338 Methanol Blank	SED-14-TB DAM332 Trip Blank	SED-17-TB DAM343 Trip Blank	SED-18-TB DAM350 Trip Blank
<b>ANALYTE</b>	<b>RL</b>						
Vinyl chloride	0.30	15 U	15 U	15 U	15 U	15 U	15 U
1,1-Dichloroethene	0.30	15 U	15 U	15 U	15 U	15 U	15 U
Methylene chloride	0.30	15 U	15 U	15 U	15 U	15 U	15 U
trans-1,2-Dichloroethene	0.30	15 U	15 U	15 U	15 U	15 U	15 U
1,1-Dichloroethane	0.30	15 U	15 U	15 U	15 U	15 U	15 U
cis-1,2-Dichloroethene	0.10	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ
Chloroform	0.10	5 UJ	5 UJ	24 J	5 UJ	5 UJ	5 UJ
1,1,1-Trichloroethane	0.30	15 U	15 U	38	15 U	15 U	15 U
1,2-Dichloroethane	0.30	15 U	15 U	15 U	15 U	15 U	15 U
Benzene	0.04	2 UJ	2 UJ	2 J	2 UJ	2 UJ	2 UJ
Trichloroethene	0.10	5 UJ	5 UJ	3 J	5 UJ	5 UJ	5 UJ
1,1,2-Trichloroethane	0.10	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ
Tetrachloroethene	0.30	15 U	15 U	16 U	15 U	15 U	15 U
1,1,1,2-Tetrachloroethane	0.04	2 UJ	2 UJ	2 UJ	2 UJ	2 UJ	2 UJ
Ethylbenzene	0.04	2 UJ	2 UJ	1 J	2 UJ	2 UJ	2 UJ
m/p-Xylene	0.10	5 UJ	5 UJ	4 J	5 UJ	5 UJ	5 UJ
o-Xylene	0.10	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ
1,1,1,2,2-Tetrachloroethane	0.10	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ
Naphthalene	0.30	15 U	15 U	15 U	15 U	15 U	15 U
<b>DILUTION FACTOR:</b>		50.0	50.0	50.0	50.0	50.0	50.0
<b>SAMPLE WEIGHT (g):</b>		NA	NA	NA	NA	NA	NA
<b>PERCENT MOISTURE (%):</b>		NA	NA	NA	NA	NA	NA
<b>LEVEL:</b>		Low	Low	Low	Low	Low	Low
<b>DATE SAMPLED:</b>		11/12/97	11/13/97	11/14/97	11/14/97	11/17/97	11/18/97
<b>DATE ANALYZED:</b>		11/21/97	11/21/97	11/28/97	11/23/97	11/28/97	11/28/97

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- J - Quantitation is approximate due to limitations identified in the quality control review
- MB - Contamination detected in field method blank
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CASE NO.: 0049M

DATA SUMMARY TABLES  
Delivery of Analytical Services for  
Volatile Organic Analyses (modified 8260A)  
Trip Blank and Methanol Matrices  
(ug/kg)

M&E SAMPLE ID: DAS SAMPLE NUMBER: REMARKS:		SED-19-TB DAM356 Trip Blank	SED-20-TB DAM361 Trip Blank
<b>ANALYTE</b>	<b>RL</b>		
Vinyl chloride	0.30	15 U	15 U
1,1-Dichloroethene	0.30	15 U	15 U
Methylene chloride	0.30	15 U	15 U
trans-1,2-Dichloroethene	0.30	15 U	15 U
1,1-Dichloroethane	0.30	15 U	15 U
cis-1,2-Dichloroethene	0.10	5 UJ	5 UJ
Chloroform	0.10	5 UJ	5 UJ
1,1,1-Trichloroethane	0.30	15 U	15 U
1,2-Dichloroethane	0.30	15 U	15 U
Benzene	0.04	2 UJ	2 UJ
Trichloroethene	0.10	5 UJ	5 UJ
1,1,2-Trichloroethane	0.10	5 UJ	5 UJ
Tetrachloroethene	0.30	15 U	15 U
1,1,1,2-Tetrachloroethane	0.04	2 UJ	2 UJ
Ethylbenzene	0.04	2 UJ	2 UJ
m/p-Xylene	0.10	5 UJ	5 UJ
o-Xylene	0.10	5 UJ	5 UJ
1,1,1,2,2-Tetrachloroethane	0.10	5 UJ	5 UJ
Naphthalene	0.30	15 U	15 U
DILUTION FACTOR:		50.0	50.0
SAMPLE WEIGHT (g):		NA	NA
PERCENT MOISTURE (%):		NA	NA
LEVEL:		Low	Low
DATE SAMPLED:		11/19/97	11/20/97
DATE ANALYZED:		12/1/97	12/2/97

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CASE NO.: 0049M

**DATA SUMMARY TABLES**  
Delivery of Analytical Services for  
Volatile Organic Analyses (modified 8260A)  
Aqueous Matrix  
(ug/L)

M&E SAMPLE ID: DAS SAMPLE NUMBER: REMARKS:		SED-17-EB DAM344 Equip. Blank	SED-20-EB DAM362 Equip. blank
<b>ANALYTE</b>	<b>RL</b>		
Vinyl chloride	0.5	0.5 U	0.5 U
1,1-Dichloroethene	0.5	0.5 U	0.5 U
Methylene chloride	0.5	0.5 U	0.28 J
trans-1,2-Dichloroethene	0.5	0.5 U	0.5 U
1,1-Dichloroethane	0.5	0.5 U	0.5 U
cis-1,2-Dichloroethene	0.5	0.5 U	0.5 U
Chloroform	0.5	0.5 U	0.5 U
1,1,1-Trichloroethane	0.5	0.5 U	0.5 U
1,2-Dichloroethane	0.5	0.5 U	0.5 U
Benzene	0.5	0.5 U	0.5 U
Trichloroethene	0.5	0.5 U	0.5 U
1,1,2-Trichloroethane	0.5	0.5 U	0.5 U
Tetrachloroethene	0.5	0.5 U	0.5 U
1,1,1,2-Tetrachloroethane	0.5	0.5 U	0.5 U
Ethylbenzene	0.5	0.5 U	0.5 U
m/p-Xylene	0.5	0.5 U	0.5 U
o-Xylene	0.5	0.5 U	0.5 U
1,1,1,2,2-Tetrachloroethane	0.5	0.5 U	0.5 U
Naphthalene	0.5	0.5 U	0.5 U
<b>DILUTION FACTOR:</b>		1	1.0
<b>LEVEL:</b>		Low	Low
<b>DATE SAMPLED:</b>		11/17/97	11/20/97
<b>DATE ANALYZED:</b>		11/25/97	11/25/97

**NOTES:**

- RL - Reporting Limit
- J - Quantitation is approximate due to limitations identified in the quality control review
- U - Value reported is the sample-specific detection limit
- R - Value is rejected
- UJ - Sample-specific detection limit is approximate due to limitations identified in the quality control review

**Low Concentration PAHs**

SITE: Wells G&H (Operable Unit 3)  
CASE NO.: 0049M

**DATA SUMMARY TABLES**  
**Delivery of Analytical Services for**  
**Low Concentration PAHs (OLM03.1)**  
**Sediment Matrix**  
**(ug/kg)**

M&E SAMPLE ID: DAS SAMPLE NUMBER: REMARKS:	SED-01-06 DAM322 ----	SED-01-07 DAM323 ----	SED-02-01 DAM326 ----	SED-02-02 DAM327 ----	SED-03-02 DAM325 ----	SED-04-02 DAM333 ----
<b>ANALYTE</b>	<b>QL</b>					
Naphthalene	67 24 J	23 J	13 J	24 J	18 J	56 J
2-Methylnaphthalene	67 20 J	20 J	10 J	20 J	16 J	41 J
Acenaphthylene	67 33 J	37 J	19 J	57 J	39 J	170
Acenaphthene	67 33 J	32 J	R	30 J	45 J	110 J
Fluorene	67 89	89	44 J	97	150	290
Phenanthrene	67 840	900	390	970	1000	3200
Anthracene	67 92	100	62 J	140	120	420
Fluoranthene	67 2100	2200	1200	3000	2600	8300
Pyrene	67 1900	1900	1100	2500	2600	6700
Benzo(a)anthracene	67 1000	1100	590	1500	1300	3100
Chrysene	67 880	980	660	1400	1300	3700
Benzo(b)fluoranthene	67 1400	1600	720	1700	1400	5100
Benzo(k)fluoranthene	67 730	690	340	710	640	2100
Benzo(a)pyrene	67 930	920	620	1400	1000	4100
Indeno(1,2,3-cd)pyrene	67 580	640	420	860	620	2600
Dibenz(a,h)anthracene	67 120	110	60 J	150	110	720
Benzo(g,h,i)perylene	67 480	510	330	640	570	1900
DILUTION FACTOR:	1	1	1	1/2	1/2	1/4
SAMPLE WEIGHT (g):	176.5	150	88.2	142.9	176.5	166.7
PERCENT MOISTURE (%):	83	80	66	79	83	82
LEVEL:	Low	Low	Low	Low	Low	Low
DATE SAMPLED:	11/12/97	11/12/97	11/13/97	11/13/97	11/13/97	11/14/97
DATE EXTRACTED:	11/18/97	11/18/97	11/18/97	11/18/97	11/18/97	11/18/97
DATE ANALYZED:	12/18/97	12/18/97	12/18/97	12/18/97	12/18/97	12/18/97

**NOTES:**

- QL - Quantitation Limits
- J - Quantitation is approximate due to limitations identified in the quality control review
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- R - Value is rejected
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SITE: Wells G&H (Operable Unit 3)  
CASE NO.: 0049M

**DATA SUMMARY TABLES**  
**Delivery of Analytical Services for**  
**Low Concentration PAHs (OLM03.1)**  
**Sediment Matrix**  
**(ug/kg)**

M&E SAMPLE ID: DAS SAMPLE NUMBER: REMARKS:	SED-04-03 DAM334 -----	SED-05-03 DAM328 FD of SED-05-05	SED-05-05 DAM331 FD of SED-05-03	SED-06-03 DAM345 -----	SED-07-02 DAM359 -----	SED-07-05 DAM360 -----
<b>ANALYTE</b> <b>QL</b>						
Naphthalene      67	96 J	34 J	35 J	53 J	61 J	57 J
2-Methylnaphthalene      67	70	41 J	70	40 J	45 J	44 J
Acenaphthylene      67	160	30 J	42 J	120	140	130
Acenaphthene      67	170 J	84 J	120 J	130 J	220 J	170 J
Fluorene      67	490	160 J	290 J	400	640	500
Phenanthrene      67	3400	1300 J	2200 J	5200	8500	4800
Anthracene      67	640	200	290	550	740	880
Fluoranthene      67	8500	1900	2600	9900	14000	14000
Pyrene      67	6000	1600	2600	7500	9500	9800
Benzo(a)anthracene      67	3200	830	1200	4200 J	6000	5200
Chrysene      67	3800	890	980	6900 J	6600	6000
Benzo(b)fluoranthene      67	6000	770	700	6100 J	8800 J	7800 J
Benzo(k)fluoranthene      67	3800	67 UJ	860 J	1300 J	4100 J	1800 J
Benzo(a)pyrene      67	3500	660	810	5100 J	6000	5700
Indeno(1,2,3-cd)pyrene      67	2500	340	370	2400 J	4200	4200
Dibenz(a,h)anthracene      67	890	95	130	720 J	1200 J	1400 J
Benzo(g,h,i)perylene      67	2100	280	330	1900 J	3300	3400
<b>DILUTION FACTOR:</b>	1/4	1	1/2	1/5	1/8	1/8
<b>SAMPLE WEIGHT (g):</b>	200	41.7	47.6	96.8	83.3	90.9
<b>PERCENT MOISTURE (%):</b>	85	28	37	69	64	67
<b>LEVEL:</b>	Low	Low	Low	Low	Low	Low
<b>DATE SAMPLED:</b>	11/14/97	11/13/97	11/13/97	11/18/97	11/20/97	11/20/97
<b>DATE EXTRACTED:</b>	11/18/97	11/18/97	11/18/97	11/24/97	11/24/97	11/24/97
<b>DATE ANALYZED:</b>	12/18/97	12/18/97	12/18/97	12/20/97	12/23/97	12/23/97

**NOTES:**

- QL - Quantitation Limits
- J - Quantitation is approximate due to limitations identified in the quality control review
- U - Value reported is the sample-specific detection limit
- R - Value is rejected
- UJ - Sample-specific detection limit is approximate due to limitations identified in the quality control review

SITE: Wells G&H (Operable Unit 3)  
CASE NO.: 0049M

**DATA SUMMARY TABLES**  
Delivery of Analytical Services for  
Low Concentration PAHs (OLM03.1)  
Sediment Matrix  
(ug/kg)

M&E SAMPLE ID: DAS SAMPLE NUMBER: REMARKS:	SED-07-10 DAM353 -----	SED-10-01 DAM351 FD of SED-10-04	SED-10-02 DAM352 -----	SED-10-04 DAM355 -----	SED-11-01 DAM336 -----	SED-12-01 DAM357 -----
<b>ANALYTE</b>						
<b>67</b>						
Naphthalene	72 J	86 J	26 J	56 J	29 J	26 J
2-Methylnaphthalene	59 J	37 J	67 U	29 J	13 J	12 J
Acenaphthylene	140	16 J	8 J	24 J	9 J	16 J
Acenaphthene	230 J	27 J	R	31 J	R	R
Fluorene	550	110	59 J	120 J	46 J	47 J
Phenanthrene	12000	600	210	780 J	260	570 J
Anthracene	890	93	49 J	100 J	54 J	69 J
Fluoranthene	23000	1600	570	2300 J	1000	1200 J
Pyrene	15000	1300	470	2000 J	950	1000 J
Benzo(a)anthracene	9600	500	210	660	410	560 J
Chrysene	10000	520	380	780	670	850 J
Benzo(b)fluoranthene	16000 J	830 J	290 J	1100 J	780	1500 J
Benzo(k)fluoranthene	2300 J	470 J	220 J	430 J	720	720 J
Benzo(a)pyrene	10000	540	250	700	520	1000 J
Indeno(1,2,3-cd)pyrene	6900	360	190	450	360	740 J
Dibenz(a,h)anthracene	2000	110	69	140	99	220 J
Benzo(g,h,i)perylene	5300	330	200	400	300	640 J
<b>DILUTION FACTOR:</b>	1/10	1	1	1	1	1
<b>SAMPLE WEIGHT (g):</b>	96.8	200	187.5	200	150	187.5
<b>PERCENT MOISTURE (%):</b>	69	85	84	85	80	84
<b>LEVEL:</b>	Low	Low	Low	Low	Low	Low
<b>DATE SAMPLED:</b>	11/19/97	11/19/97	11/19/97	11/19/97	11/14/97	11/20/97
<b>DATE EXTRACTED:</b>	11/24/97	11/24/97	11/24/97	11/24/97	11/18/97	11/24/97
<b>DATE ANALYZED:</b>	12/23/97	12/26/97	12/22/97	12/26/97	12/20/97	12/26/97

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SITE: Wells G&H (Operable Unit 3)  
CASE NO.: 0049M

**DATA SUMMARY TABLES**  
Delivery of Analytical Services for  
Low Concentration PAHs (OLM03.1)  
Sediment Matrix  
(ug/kg)

M&E SAMPLE ID: DAS SAMPLE NUMBER: REMARKS:	SED-12-03 DAM358 ----	SED-13-01 DAM341 ----	SED-13-03 DAM342 ----	SED-15-01 DAM340 ----	SED-18-02 DAM347 ----	SED-18-03 DAM348 ----
<b>ANALYTE</b>	<b>QL</b>					
Naphthalene	67	98 J	67 J	40 J	15 J	29 J
2-Methylnaphthalene	67	22 J	73	23 J	67 U	15 J
Acenaphthylene	67	14 J	31 J	26 J	67 U	16 J
Acenaphthene	67	R	89 J	22 J	R	30 J
Fluorene	67	59 J	220	67 J	50 J	110
Phenanthrene	67	460	2700	960	400	1400
Anthracene	67	79	300	99	50 J	150
Fluoranthene	67	750	5200	2300	990	4000
Pyrene	67	650	4000	1700	590	3100
Benzo(a)anthracene	67	420	1700	750	200	1400
Chrysene	67	610	1700	1100	410	2200
Benzo(b)fluoranthene	67	780 J	1900 J	1100 J	440 J	2500 J
Benzo(k)fluoranthene	67	440 J	850 J	570 J	270 J	1200 J
Benzo(a)pyrene	67	440	1700	890	180 J	1900
Indeno(1,2,3-cd)pyrene	67	330	1000	610	170 J	1400
Dibenz(a,h)anthracene	67	110	220	180	60 J	430
Benzo(g,h,i)perylene	67	290	820	540	150 J	1400
DILUTION FACTOR:		1	1/4	1	1	1/2
SAMPLE WEIGHT (g):		120	83.3	115.3	272.7	157.9
PERCENT MOISTURE (%):		75	64	74	89	81
LEVEL:		Low	Low	Low	Low	Low
DATE SAMPLED:		11/20/97	11/17/97	11/17/97	11/17/97	11/18/97
DATE EXTRACTED:		11/24/97	11/24/97	11/24/97	11/24/97	11/24/97
DATE ANALYZED:		12/26/97	12/20/97	12/20/97	12/20/97	12/22/97

**NOTES:**

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- UJ - Sample-specific detection limit is approximate due to limitations identified in the quality control review

SITE: Wells G&H (Operable Unit 3)  
CASE NO.: 0049M

**DATA SUMMARY TABLES**  
Delivery of Analytical Services for  
Low Concentration PAHs (OLM03.1)  
Sediment Matrix  
(ug/kg)

M&E SAMPLE ID: DAS SAMPLE NUMBER: REMARKS:	SED-19-01 DAM354 -----	SED-20-01 DAM339 -----	SED-21-01 DAM335 -----	SED-22-02 DAM321 -----	SED-24-03 DAM320 -----	SED-25-02 DAM346 -----
<b>ANALYTE</b> <b>QL</b>						
Naphthalene                      67	12 J	14 J	1300 J	24 J	23 J	32 J
2-Methylnaphthalene              67	R	11 J	140	11 J	23 J	22 J
Acenaphthylene                    67	R	67 UJ	38 J	8 J	44 J	22 J
Acenaphthene                      67	R	R	67 J	R	50 J	69 J
Fluorene                            67	14 J	29 J	240	23 J	130	120
Phenanthrene                      67	160 J	240	600	490	1300	1600
Anthracene                        67	18 J	26 J	420	46 J	250	330
Fluoranthene                      67	410 J	720	1400	840	2600	2500
Pyrene                              67	340 J	540 J	1300	610	2400	2300
Benzo(a)anthracene                67	130 J	210	390	300	960	1300
Chrysene                          67	230 J	400	940	400	920	1400
Benzo(b)fluoranthene            67	290 J	330	980	440	880	1500 J
Benzo(k)fluoranthene            67	200 J	370	67 U	290	400	740 J
Benzo(a)pyrene                    67	160 J	290 J	890 J	200	790 J	1300
Indeno(1,2,3-cd)pyrene         67	140 J	210 J	620 J	220	620 J	670
Dibenz(a,h)anthracene          67	46 J	97 J	240 J	44 J	120 J	220
Benzo(g,h,i)perylene            67	120 J	210 J	710 J	190	550 J	650
DILUTION FACTOR:	1	1	1	1	1	1/2
SAMPLE WEIGHT (g):	187.5	272.7	230.7	176.5	88.2	46.8
PERCENT MOISTURE (%):	84	89	87	83	66	36
LEVEL:	Low	Low	Low	Low	Low	Low
DATE SAMPLED:	11/19/97	11/14/97	11/14/97	11/12/97	11/12/97	11/18/97
DATE EXTRACTED:	11/24/97	11/18/97	11/18/97	11/18/97	11/18/97	11/24/97
DATE ANALYZED:	12/26/97	12/18/97	12/18/97	12/17/97	12/17/97	12/22/97

**NOTES:**

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SITE: Wells G&H (Operable Unit 3)  
CASE NO.: 0049M

**DATA SUMMARY TABLES**  
Delivery of Analytical Services for  
Low Concentration PAHs (OLM03.1)  
Aqueous Matrix  
(ug/L)

M&E SAMPLE ID: DAS SAMPLE NUMBER: REMARKS:	SED-17-EB DAM344 Equip. Blank	SED-20-EB DAM362 Equip. blank
<b>ANALYTE</b>	<b>QL</b>	
Naphthalene	2.0	2.0 U
2-Methylnaphthalene	2.0	2.0 U
Acenaphthylene	2.0	2.0 U
Acenaphthene	2.0	2.0 U
Fluorene	2.0	2.0 U
Phenanthrene	2.0	2.0 U
Anthracene	2.0	2.0 U
Fluoranthene	2.0	2.0 U
Pyrene	2.0	2.0 U
Benzo(a)anthracene	2.0	2.0 U
Chrysene	2.0	2.0 U
Benzo(b)fluoranthene	2.0	2.0 U
Benzo(k)fluoranthene	2.0	2.0 U
Benzo(a)pyrene	2.0	2.0 U
Indeno(1,2,3-cd)pyrene	2.0	2.0 U
Dibenz(a,h)anthracene	2.0	2.0 U
Benzo(g,h,i)perylene	2.0	2.0 U
<b>DILUTION FACTOR:</b>	1	1
<b>LEVEL:</b>	Low	Low
<b>DATE SAMPLED:</b>	11/14/97	11/20/97
<b>DATE EXTRACTED:</b>	11/24/97	11/24/97
<b>DATE ANALYZED:</b>	12/17/97	12/17/97

**NOTES:**

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- U - Value reported is the sample-specific detection limit
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SITE: Wells Unit (Operable Unit 3)  
CASE NO.: 0049M

DATA SUMMARY TABLES  
Delivery of Analytical Services for  
Low Concentration PAHs (OLM03.1)  
Sediment Matrix  
Tentatively Identified Compounds (TICs)

M&E SAMPLE ID: DAS SAMPLE NUMBER: REMARKS:	SED-01-06 DAM322 ----	SED-01-07 DAM323 ----	SED-02-01 DAM326 ----	SED-02-02 DAM327 ----	SED-03-02 DAM325 ----	SED-04-02 DAM333 ----
<b>TENTATIVELY IDENTIFIED COMPOUNDS</b>						
Unknown hydrocarbons	X	X	X	X	X	X
Unknown aromatics		X				
Unknown chlorinateds						
10-Octadecenoic acid, methyl ester						
11H-Benzo(a)fluorene		X			X	X
11H-Benzo(b)fluorene						
2-Pentadecanone, 6,10,14-trimethyl-						
4H-Cyclopenta(def)phenanthrene				X		X
9-Hexadecanoic acid, methyl ester						
9-Hexadecanoic acid, methyl ester, (z)-	X					X
9-Octadecenoic acid, (z)-, methyl ester						X
9-Octadecenoic acid, 12-(acetyloxy)-, methyl ester, [r-(z)]-						X
9H-Fluorene, 4-methyl						
Anthracene, -methyl-						
Benzenamine, N-phenyl-						
Benzene, 1,1'-oxybis						
Benzene, ethenyl-, dimer						
Benzo(b)triphenylene				X		X
Benzo(c)phenanthrene		X				X
Benzo(e)pyrene	X	X		X	X	X
Benzo(ghi)fluoranthene					X	X
Benzo[b]naphtho[1,2-d]thiophene						X
Chrysene, -methyl-						
Cyclohexane, 1-methyl-3-propyl-						
Dibenzothiophene						
Docosanoic acid, methyl ester				X	X	
Dodecanoic acid, hexadecyl ester						
Dodecanoic acid, methyl ester						
Eicosanoic acid, methyl ester				X	X	X
Heptadecanoic acid, 10-methyl-, methyl ester						
Heptadecanoic acid, 16-methyl-, methyl ester	X	X	X	X		X
Hexacosanoic acid, methyl ester	X	X	X	X	X	X
Hexadecanoic acid, 3,7,11,15-tetramethyl-, methyl ester						
Hexadecanoic acid, methyl ester						
Hydrazine, 1,1-diphenyl-2-(2,4,6-trinitrophenyl)-						
Naphthalene, -dimethyl-						
Naphthalene, -phenyl-		X				
Naphthalene, -trimethyl						
Naphthalene, 2-phenyl-						
Nonanal						
Octacosanoic acid, methyl ester	X	X	X	X	X	X
Octanal						
Phenanthrene, -dimethyl-						
Phenanthrene, -methyl-		X	X	X	X	X
Phenanthrene, -tetramethyl-						

SITE: Wells G&H (Operable Unit 3)  
CASE NO.: 0049M

**DATA SUMMARY TABLES**  
**Delivery of Analytical Services for**  
**Low Concentration PAHs (OLM03.1)**  
**Sediment Matrix**  
**Tentatively Identified Compounds (TICs)**

M&E SAMPLE ID: DAS SAMPLE NUMBER: REMARKS:	SED-01-06 DAM322 ----	SED-01-07 DAM323 ----	SED-02-01 DAM326 ----	SED-02-02 DAM327 ----	SED-03-02 DAM325 ----	SED-04-02 DAM333 ----
Phenanthrene, 4-methyl-	X					
Pyrene, -methyl-		X				
Squalene				X	X	X
Tetracosanoic acid, methyl ester	X		X	X	X	X
Tetradecanoic acid, 12-methyl-, methyl ester				X		
Tetradecanoic acid, hexadecyl ester			X	X		
Tetradecanoic acid, methyl ester	X			X	X	X
Triacontanoic acid, methyl ester				X	X	
Triphenylene, 2-methyl-		X				
Undecanoic acid, 10-methyl-, methyl ester						
Unknown carboxylic acid methyl ester						
Unknown PAH						
Unknown PAH MW=226						
Unknown PAH MW=228						
Unknown PAH MW=234						
Unknown PAH MW=242						
Unknown PAH MW=252				X		
Unknown PAH MW=266					X	
Unknown PAH MW=276						
Unknown PAH MW=278						
Vitamin E						
DATE SAMPLED:	11/12/97	11/12/97	11/13/97	11/13/97	11/13/97	11/14/97

NOTES:

X - indicates that this TIC was reported in the sample

SITE: Wells Gash (Operable Unit 3)  
CASE NO.: 0049M

DATA SUMMARY TABLES  
Delivery of Analytical Services for  
Low Concentration PAHs (OLM03.1)  
Sediment Matrix  
Tentatively Identified Compounds (TICs)

M&E SAMPLE ID: DAS SAMPLE NUMBER: REMARKS:	SED-04-03 DAM334 -----	SED-05-03 DAM328 FD of SED-05-05	SED-05-05 DAM331 FD of SED-05-03	SED-06-03 DAM345 -----	SED-07-02 DAM359 -----	SED-07-05 DAM360 -----
<b>TENTATIVELY IDENTIFIED COMPOUNDS</b>						
Unknown hydrocarbons	X			X	X	X
Unknown aromatics		X				
Unknown chlorinateds						
10-Octadecenoic acid, methyl ester						
11H-Benzo(a)fluorene	X		X	X	X	X
11H-Benzo(b)fluorene					X	X
2-Pentadecanone, 6,10,14-trimethyl-	X				X	
4H-Cyclopenta(def)phenanthrene	X					
9-Hexadecanoic acid, methyl ester	X					
9-Hexadecanoic acid, methyl ester, (z)-	X			X		
9-Octadecenoic acid, (z)-, methyl ester						
9-Octadecenoic acid, 12-(acetyloxy)-, methyl ester, [r-(z)]-						
9H-Fluorene, 4-methyl		X				
Anthracene, -methyl-			X			
Benzenamine, N-phenyl-						
Benzene, 1,1'-oxybis						
Benzene, ethenyl-, dimer		X				
Benzo(b)triphenylene	X					
Benzo(c)phenanthrene						
Benzo(e)pyrene	X	X	X	X	X	X
Benzo(ghi)fluoranthene				X		
Benzo[b]naphtho[1,2-d]thiophene			X			
Chrysene, -methyl-						
Cyclohexane, 1-methyl-3-propyl-						
Dibenzothiofene						
Docosanoic acid, methyl ester				X	X	X
Dodecanoic acid, hexadecyl ester						
Dodecanoic acid, methyl ester				X	X	
Eicosanoic acid, methyl ester	X			X	X	X
Heptadecanoic acid, 10-methyl-, methyl ester						
Heptadecanoic acid, 16-methyl-, methyl ester	X			X	X	X
Hexacosanoic acid, methyl ester	X					
Hexadecanoic acid, 3,7,11,15-tetramethyl-, methyl ester						
Hexadecanoic acid, methyl ester				X		X
Hydrazine, 1,1-diphenyl-2-(2,4,6-trinitrophenyl)-		X				
Naphthalene, -dimethyl-		X	X			
Naphthalene, -phenyl-						
Naphthalene, -trimethyl			X			
Naphthalene, 2-phenyl-		X	X			
Nonanal						
Octacosanoic acid, methyl ester	X			X	X	X
Octanal						
Phenanthrene, -dimethyl-			X			
Phenanthrene, -methyl-		X	X		X	X
Phenanthrene, -tetramethyl-						

SITE: Wells G&H (Operable Unit 3)  
CASE NO.: 0049M

**DATA SUMMARY TABLES**  
**Delivery of Analytical Services for**  
**Low Concentration PAHs (OLM03.1)**  
**Sediment Matrix**  
**Tentatively Identified Compounds (TICs)**

M&E SAMPLE ID: DAS SAMPLE NUMBER: REMARKS:	SED-04-03 DAM334 ----	SED-05-03 DAM328 FD of SED-05-05	SED-05-05 DAM331 FD of SED-05-03	SED-06-03 DAM345 ----	SED-07-02 DAM359 ----	SED-07-05 DAM360 ----
Phenanthrene, 4-methyl-	X	X	X	X	X	X
Pyrene, -methyl-	X					
Squalene	X		X	X	X	X
Tetracosanoic acid, methyl ester					X	
Tetradecanoic acid, 12-methyl-, methyl ester						
Tetradecanoic acid, hexadecyl ester	X			X		X
Tetradecanoic acid, methyl ester						
Triacontanoic acid, methyl ester		X			X	X
Triphenylene, 2-methyl-						X
Undecanoic acid, 10-methyl-, methyl ester						
Unknown carboxylic acid methyl ester						
Unknown PAH						X
Unknown PAH MW=226						X
Unknown PAH MW=228				X	X	
Unknown PAH MW=234						
Unknown PAH MW=242						
Unknown PAH MW=252	X			X	X	X
Unknown PAH MW=266				X		
Unknown PAH MW=276						
Unknown PAH MW=278					X	
Vitamin E	X					
DATE SAMPLED:	11/14/97	11/13/97	11/13/97	11/18/97	11/20/97	11/20/97

NOTES:

X - indicates that this TIC was reported in the sample

SITE: Wells G&H (Operable Unit 3)  
CASE NO.: 0049M

DATA SUMMARY TABLES  
Delivery of Analytical Services for  
Low Concentration PAHs (OLM03.1)  
Sediment Matrix  
Tentatively Identified Compounds (TICs)

M&E SAMPLE ID: DAS SAMPLE NUMBER: REMARKS:	SED-07-10 DAM353 ----	SED-10-01 DAM351 FD of SED-10-04	SED-10-02 DAM352 ----	SED-10-04 DAM355 FD of SED-10-01	SED-11-01 DAM336 ----	SED-12-01 DAM357 ----
<b>TENTATIVELY IDENTIFIED COMPOUNDS</b>						
Unknown hydrocarbons	X	X	X	X	X	X
Unknown aromatics						
Unknown chlorinateds						
10-Octadecenoic acid, methyl ester						
11H-Benzo(a)fluorene	X					
11H-Benzo(b)fluorene						
2-Pentadecanone, 6,10,14-trimethyl-	X			X	X	
4H-Cyclopenta(def)phenanthrene						
9-Hexadecanoic acid, methyl ester				X		X
9-Hexadecanoic acid, methyl ester, (z)-						
9-Octadecenoic acid, (z)-, methyl ester						
9-Octadecenoic acid, 12-(acetyloxy)-, methyl ester, [r-(z)]-						
9H-Fluorene, 4-methyl						
Anthracene, -methyl-						
Benzenamine, N-phenyl-		X	X	X	X	
Benzene, 1,1'-oxybis			X			
Benzene, ethenyl-, dimer						
Benzo(b)triphenylene						
Benzo(c)phenanthrene						
Benzo(e)pyrene	X	X		X	X	X
Benzo(ghi)fluoranthene						
Benzo[b]naphtho[1,2-d]thiophene						
Chrysene, -methyl-						
Cyclohexane, 1-methyl-3-propyl-					X	
Dibenzothiophene						
Docosanoic acid, methyl ester	X	X	X	X	X	X
Dodecanoic acid, hexadecyl ester						
Dodecanoic acid, methyl ester	X	X	X	X		X
Eicosanoic acid, methyl ester	X	X	X	X		X
Heptadecanoic acid, 10-methyl-, methyl ester						
Heptadecanoic acid, 16-methyl-, methyl ester	X	X	X	X	X	X
Hexacosanoic acid, methyl ester						
Hexadecanoic acid, 3,7,11,15-tetramethyl-, methyl ester						
Hexadecanoic acid, methyl ester	X	X	X	X		X
Hydrazine, 1,1-diphenyl-2-(2,4,6-trinitrophenyl)-						
Naphthalene, -dimethyl-						
Naphthalene, -phenyl-						
Naphthalene, -trimethyl-						
Naphthalene, 2-phenyl-						
Nonanal						
Octacosanoic acid, methyl ester	X	X	X	X	X	X
Octanal						
Phenanthrene, -dimethyl-						
Phenanthrene, -methyl-	X					
Phenanthrene, -tetramethyl-						

SITE: Wells (Operable Unit 3)  
CASE NO.: 0049M

**DATA SUMMARY TABLES**  
**Delivery of Analytical Services for**  
**Low Concentration PAHs (OLM03.1)**  
**Sediment Matrix**  
**Tentatively Identified Compounds (TICs)**

M&E SAMPLE ID: DAS SAMPLE NUMBER: REMARKS:	SED-07-10 DAM353 ----	SED-10-01 DAM351 FD of SED-10-04	SED-10-02 DAM352 ----	SED-10-04 DAM355 FD of SED-10-01	SED-11-01 DAM336 ----	SED-12-01 DAM357 ----
Phenanthrene, 4-methyl-						
Pyrene, -methyl-	X				X	
Squalene						
Tetracosanoic acid, methyl ester	X	X	X	X		X
Tetradecanoic acid, 12-methyl-, methyl ester						X
Tetradecanoic acid, hexadecyl ester						
Tetradecanoic acid, methyl ester	X	X	X	X		X
Triacontanoic acid, methyl ester						
Triphenylene, 2-methyl-	X				X	
Undecanoic acid, 10-methyl-, methyl ester						
Unknown carboxylic acid methyl ester						
Unknown PAH						
Unknown PAH MW=226	X					
Unknown PAH MW=228	X					
Unknown PAH MW=234						
Unknown PAH MW=242						
Unknown PAH MW=252	X		X			
Unknown PAH MW=266						
Unknown PAH MW=276						
Unknown PAH MW=278						
Vitamin E	X					
DATE SAMPLED:	11/19/97	11/19/97	11/19/97	11/19/97	11/14/97	11/20/97

NOTES:

X - indicates that this TIC was reported in the sample

SITE: Wells Gou... (Operable Unit 3)  
CASE NO.: 0049M

**DATA SUMMARY TABLES**  
Delivery of Analytical Services for  
Low Concentration PAHs (OLM03.1)  
Sediment Matrix  
Tentatively Identified Compounds (TICs)

M&E SAMPLE ID: DAS SAMPLE NUMBER: REMARKS:	SED-12-03 DAM358 ----	SED-13-01 DAM341 ----	SED-13-03 DAM342 ----	SED-15-01 DAM340 ----	SED-18-02 DAM347 ----	SED-18-03 DAM348 ----
<b>TENTATIVELY IDENTIFIED COMPOUNDS</b>						
Unknown hydrocarbons	X	X	X	X	X	X
Unknown aromatics		X				
Unknown chlorinateds						
10-Octadecenoic acid, methyl ester						
11H-Benzo(a)fluorene						
11H-Benzo(b)fluorene				X		
2-Pentadecanone, 6,10,14-trimethyl-						
4H-Cyclopenta(def)phenanthrene						X
9-Hexadecanoic acid, methyl ester					X	X
9-Hexadecanoic acid, methyl ester, (z)-	X					
9-Octadecenoic acid, (z)-, methyl ester						
9-Octadecenoic acid, 12-(acetyloxy)-, methyl ester, [r-(z)]-						
9H-Fluorene, 4-methyl						
Anthracene, -methyl-					X	X
Benzenamine, N-phenyl-						
Benzene, 1,1'-oxybis						
Benzene, ethenyl-, dimer						
Benzo(b)triphenylene						
Benzo(c)phenanthrene					X	X
Benzo(e)pyrene	X	X				
Benzo(ghi)fluoranthene						
Benzo[b]naphtho[1,2-d]thiophene						
Chrysene, -methyl-						
Cyclohexane, 1-methyl-3-propyl-						
Dibenzothiophene						
Docosanoic acid, methyl ester	X	X	X	X	X	X
Dodecanoic acid, hexadecyl ester				X		
Dodecanoic acid, methyl ester	X		X	X		X
Eicosanoic acid, methyl ester	X	X	X	X	X	X
Heptadecanoic acid, 10-methyl-, methyl ester						
Heptadecanoic acid, 16-methyl-, methyl ester	X		X	X	X	X
Hexacosanoic acid, methyl ester	X					
Hexadecanoic acid, 3,7,11,15-tetramethyl-, methyl ester	X					
Hexadecanoic acid, methyl ester	X	X	X	X	X	X
Hydrazine, 1,1-diphenyl-2-(2,4,6-trinitrophenyl)-						
Naphthalene, -dimethyl-		X				
Naphthalene, -phenyl-		X				
Naphthalene, -trimethyl						
Naphthalene, 2-phenyl-						
Nonanal						
Octacosanoic acid, methyl ester	X		X		X	X
Octanal						
Phenanthrene, -dimethyl-						
Phenanthrene, -methyl-		X				
Phenanthrene, -tetramethyl-		X				

SITE: Wells Coal (Operable Unit 3)  
CASE NO.: 0049M

DATA SUMMARY TABLES  
Delivery of Analytical Services for  
Low Concentration PAHs (OLM03.1)  
Sediment Matrix  
Tentatively Identified Compounds (TICs)

M&E SAMPLE ID: DAS SAMPLE NUMBER: REMARKS:	SED-12-03 DAM358 ----	SED-13-01 DAM341 ----	SED-13-03 DAM342 ----	SED-15-01 DAM340 ----	SED-18-02 DAM347 ----	SED-18-03 DAM348 ----
Phenanthrene, 4-methyl- Pyrene, -methyl- Squalene					X	X
Tetracosanoic acid, methyl ester	X	X	X		X	X
Tetradecanoic acid, 12-methyl-, methyl ester	X					X
Tetradecanoic acid, hexadecyl ester					X	X
Tetradecanoic acid, methyl ester	X	X	X	X	X	X
Triacontanoic acid, methyl ester						
Triphenylene, 2-methyl- Undecanoic acid, 10-methyl-, methyl ester					X	
Unknown carboxylic acid methyl ester			X			X
Unknown PAH				X		
Unknown PAH MW=226						
Unknown PAH MW=228						
Unknown PAH MW=234		X			X	
Unknown PAH MW=242					X	
Unknown PAH MW=252				X		
Unknown PAH MW=266						
Unknown PAH MW=276						
Unknown PAH MW=278						
Vitamin E						
DATE SAMPLED:	11/20/97	11/17/97	11/17/97	11/17/97	11/18/97	11/18/97

NOTES:

X - indicates that this TIC was reported in the sample

SITE: Wells G-001 (Operable Unit 3)  
CASE NO.: 0049M

**DATA SUMMARY TABLES**  
**Delivery of Analytical Services for**  
**Low Concentration PAHs (OLM03.1)**  
**Sediment Matrix**  
**Tentatively Identified Compounds (TICs)**

M&E SAMPLE ID: DAS SAMPLE NUMBER: REMARKS:	SED-19-01 DAM354 ----	SED-20-01 DAM339 ----	SED-21-01 DAM335 ----	SED-22-02 DAM321 ----	SED-24-03 DAM320 ----	SED-25-02 DAM346 ----
<b>TENTATIVELY IDENTIFIED COMPOUNDS</b>						
Unknown hydrocarbons	X	X	X	X	X	X
Unknown aromatics			X			
Unknown chlorinateds						
10-Octadecenoic acid, methyl ester		X				
11H-Benzo(a)fluorene						X
11H-Benzo(b)fluorene						X
2-Pentadecanone, 6,10,14-trimethyl-	X	X				
4H-Cyclopenta(def)phenanthrene						
9-Hexadecanoic acid, methyl ester						
9-Hexadecanoic acid, methyl ester, (z)-						
9-Octadecenoic acid, (z)-, methyl ester				X		
9-Octadecenoic acid, 12-(acetyloxy)-, methyl ester, [r-(z)]-						
9H-Fluorene, 4-methyl						
Anthracene, -methyl-						
Benzenamine, N-phenyl-						
Benzene, 1,1'-oxybis						
Benzene, ethenyl-, dimer						
Benzo(b)triphenylene						X
Benzo(c)phenanthrene						
Benzo(e)pyrene				X	X	X
Benzo(ghi)fluoranthene						
Benzo[b]naphtho[1,2-d]thiophene						
Chrysene, -methyl-						
Cyclohexane, 1-methyl-3-propyl-						
Dibenzothiophene						
Docosanoic acid, methyl ester	X				X	
Dodecanoic acid, hexadecyl ester	X					
Dodecanoic acid, methyl ester	X					
Eicosanoic acid, methyl ester	X	X	X	X	X	
Heptadecanoic acid, 10-methyl-, methyl ester			X			
Heptadecanoic acid, 16-methyl-, methyl ester	X	X		X		X
Hexacosanoic acid, methyl ester	X	X	X	X	X	
Hexadecanoic acid, 3,7,11,15-tetramethyl-, methyl ester						
Hexadecanoic acid, methyl ester	X					X
Hydrazine, 1,1-diphenyl-2-(2,4,6-trinitrophenyl)-						
Naphthalene, -dimethyl-			X			
Naphthalene, -phenyl-						
Naphthalene, -trimethyl			X			
Naphthalene, 2-phenyl-						
Nonanal			X			
Octacosanoic acid, methyl ester					X	X
Octanal			X			
Phenanthrene, -dimethyl-						
Phenanthrene, -methyl-					X	
Phenanthrene, -tetramethyl-	X				X	

SITE: Wells G&H (Operable Unit 3)  
CASE NO.: 0049M

**DATA SUMMARY TABLES**  
**Delivery of Analytical Services for**  
**Low Concentration PAHs (OLM03.1)**  
**Sediment Matrix**  
**Tentatively Identified Compounds (TICs)**

M&E SAMPLE ID: DAS SAMPLE NUMBER: REMARKS:	SED-19-01 DAM354 ----	SED-20-01 DAM339 ----	SED-21-01 DAM335 ----	SED-22-02 DAM321 ----	SED-24-03 DAM320 ----	SED-25-02 DAM346 ----
Phenanthrene, 4-methyl- Pyrene, -methyl- Squalene			X	X	X	X X
Tetracosanoic acid, methyl ester	X		X	X	X	
Tetradecanoic acid, 12-methyl-, methyl ester		X				
Tetradecanoic acid, hexadecyl ester	X	X	X	X	X	
Tetradecanoic acid, methyl ester						
Triacontanoic acid, methyl ester					X	X
Triphenylene, 2-methyl- Undecanoic acid, 10-methyl-, methyl ester		X		X		
Unknown carboxylic acid methyl ester						
Unknown PAH						
Unknown PAH MW=226						
Unknown PAH MW=228						X
Unknown PAH MW=234						X
Unknown PAH MW=242						X
Unknown PAH MW=252						
Unknown PAH MW=266						
Unknown PAH MW=276						X
Unknown PAH MW=278						
Vitamin E						
DATE SAMPLED:	11/19/97	11/17/97	11/14/97	11/12/97	11/12/97	11/18/97

NOTES:

X - indicates that this TIC was reported in the sample

SITE: Wells G-1 (Operable Unit 3)  
CASE NO.: 0049M

**DATA SUMMARY TABLES**  
Delivery of Analytical Services for  
Low Concentration PAHs (OLM03.1)  
Sediment Matrix  
Tentatively Identified Compounds (TICs)

M&E SAMPLE ID: DAS SAMPLE NUMBER: REMARKS:	SED-17-EB DAM344 Equip. Blank	SED-20-EB DAM362 Equip. Blank
<b>TENTATIVELY IDENTIFIED COMPOUNDS</b>		
Unknown hydrocarbons		
Unknown aromatics		
Unknown chlorinateds	X	
10-Octadecenoic acid, methyl ester		
11H-Benzo(a)fluorene		
11H-Benzo(b)fluorene		
2-Pentadecanone, 6,10,14-trimethyl-		
4H-Cyclopenta(def)phenanthrene		
9-Hexadecanoic acid, methyl ester		
9-Hexadecanoic acid, methyl ester, (z)-		
9-Octadecenoic acid, (z)-, methyl ester		
9-Octadecenoic acid, 12-(acetyloxy)-, methyl ester, [r-(z)]-		
9H-Fluorene, 4-methyl		
Anthracene, -methyl-		
Benzenamine, N-phenyl-		
Benzene, 1,1'-oxybis		
Benzene, ethenyl-, dimer		
Benzo(b)triphenylene		
Benzo(c)phenanthrene		
Benzo(e)pyrene		
Benzo(ghi)fluoranthene		
Benzo[h]naphtho[1,2-d]thiophene		
Chrysene, -methyl-		
Cyclohexane, 1-methyl-3-propyl-	X	
Dibenzothiophene		
Docosanoic acid, methyl ester		
Dodecanoic acid, hexadecyl ester		
Dodecanoic acid, methyl ester		
Eicosanoic acid, methyl ester		
Heptadecanoic acid, 10-methyl-, methyl ester		
Heptadecanoic acid, 16-methyl-, methyl ester		
Hexadecanoic acid, methyl ester		
Hexadecanoic acid, 3,7,11,15-tetramethyl-, methyl ester		
Hexadecanoic acid, methyl ester		
Hydrazine, 1,1-diphenyl-2-(2,4,6-trinitrophenyl)-		
Naphthalene, -dimethyl-		
Naphthalene, -phenyl-		
Naphthalene, -trimethyl		
Naphthalene, 2-phenyl-		
Nonanal		
Octacosanoic acid, methyl ester		
Octanal		
Phenanthrene, -dimethyl-		
Phenanthrene, -methyl-		
Phenanthrene, -tetramethyl-		

SITE: Wells C. (Operable Unit 3)  
CASE NO.: 0049M

**DATA SUMMARY TABLES**  
Delivery of Analytical Services for  
Low Concentration PAHs (OLM03.1)  
Sediment Matrix  
Tentatively Identified Compounds (TICs)

M&E SAMPLE ID: DAS SAMPLE NUMBER: REMARKS:	SED-17-EB DAM344 Equip. Blank	SED-20-EB DAM362 Equip. Blank
Phenanthrene, 4-methyl- Pyrene, -methyl- Squalene Tetracosanoic acid, methyl ester Tetradecanoic acid, 12-methyl-, methyl ester Tetradecanoic acid, hexadecyl ester Tetradecanoic acid, methyl ester Triacontanoic acid, methyl ester Triphenylene, 2-methyl- Undecanoic acid, 10-methyl-,methyl ester Unknown carboxylic acid methyl ester Unknown PAH Unknown PAH MW=226 Unknown PAH MW=228 Unknown PAH MW=234 Unknown PAH MW=242 Unknown PAH MW=252 Unknown PAH MW=266 Unknown PAH MW=276 Unknown PAH MW=278 Vitamin E		
DATE SAMPLED:	11/17/97	11/20/97

NOTES:

X - indicates that this TIC was reported in the sample

**Low Concentration PAHs (GC/MS/SIM)**

SITE: Wells G&H (Operable Unit 3)  
CASE NO.: 0049M

**DATA SUMMARY TABLES**  
**Delivery of Analytical Services for**  
**Low Concentration PAHs (SIM)**  
**Sediment Matrix**  
**(ug/kg)**

M&E SAMPLE ID: DAS SAMPLE NUMBER: REMARKS:	SED-02-01 DAM326 -----	SED-10-02 DAM352 -----	SED-11-01 DAM336 -----	SED-12-01 DAM357 -----	SED-12-03 DAM358 -----	SED-15-01 DAM340 -----
<b>ANALYTE</b>						
<b>QL</b>						
Naphthalene	13 UJ	30 UJ	32 J	24 J	120 J	15 UJ
2-Methylnaphthalene	12 J	10 U	16 J	13 J	25 J	10 J
Acenaphthylene	22 J	13 J	9 J	19 J	23 J	7 J
Acenaphthene	11 J	13	8 J	10 J	15 J	8 J
Fluorene	42 J	72 J	57 J	45 J	78 J	69 J
Dibenz(a,h)anthracene	69 J	42 J	97 J	320 J	150	34 J
<b>DILUTION FACTOR:</b>	1	10	1	1	1/20	1
<b>SAMPLE WEIGHT (g):</b>	88.2	187.5	150	187.5	120	272.7
<b>PERCENT MOISTURE (%):</b>	66	84	80	84	75	89
<b>LEVEL:</b>	Low	Low	Low	Low	Low	Low
<b>DATE SAMPLED:</b>	11/13/97	11/19/97	11/14/97	11/20/97	11/20/97	11/17/97
<b>DATE EXTRACTED:</b>	11/18/97	11/24/97	11/18/97	11/24/97	11/24/97	11/24/97
<b>DATE ANALYZED:</b>	12/27/97	12/29/97	12/29/97	12/30/97	12/30/97	12/28/97

**NOTES:**

QL - Quantitation Limits

J - Quantitation is approximate due to limitations identified in the quality control review

U - Value reported is the sample-specific detection limit

R - Value is rejected

UJ - Sample-specific detection limit is approximate due to limitations identified in the quality control review

SITE: Wells GøtH (Operable Unit 3)  
CASE NO.: 0049M

**DATA SUMMARY TABLES**  
**Delivery of Analytical Services for**  
**Low Concentration PAHs (SIM)**  
**Sediment Matrix**  
**(ug/kg)**

M&E SAMPLE ID: DAS SAMPLE NUMBER: REMARKS:	SED-19-01 DAM354 -----	SED-20-01 DAM339 -----	SED-22-02 DAM321 -----
<b>ANALYTE</b>			
<b>QL</b>			
Naphthalene	11 U	14 UJ	25 J
2-Methylnaphthalene	6 U	13 J	13 J
Acenaphthylene	1 J	6 J	12 J
Acenaphthene	3 J	6 J	11 J
Fluorene	14 J	36 J	26 J
Dibenz(a,h)anthracene	18 J	45 J	36 J
<b>DILUTION FACTOR:</b>	1/10	1	1
<b>SAMPLE WEIGHT (g):</b>	187.5	272.7	176.5
<b>PERCENT MOISTURE (%):</b>	84	89	83
<b>LEVEL:</b>	Low	Low	Low
<b>DATE SAMPLED:</b>	11/19/97	11/17/97	11/12/97
<b>DATE EXTRACTED:</b>	11/24/97	11/18/97	11/18/97
<b>DATE ANALYZED:</b>	12/30/97	12/28/97	12/27/97

**NOTES:**

- QL - Quantitation Limits
- J - Quantitation is approximate due to limitations identified in the quality control review
- U - Value reported is the sample-specific detection limit
- R - Value is rejected
- UJ - Sample-specific detection limit is approximate due to limitations identified in the quality control review

**Organochlorine Pesticides**

SITE: Wells G&H (Operable Unit 3)  
CASE NO.: 0049M

**DATA SUMMARY TABLES**  
Delivery of Analytical Services for  
Organochlorine Pesticides  
Sediment Matrix  
(ug/kg)

M&E SAMPLE ID: DAS SAMPLE NUMBER: REMARKS:	SED-01-06 DAM322 -----	SED-01-07 DAM323 -----	SED-02-01 DAM326 -----	SED-02-02 DAM327 -----	SED-03-02 DAM325 -----	SED-04-02 DAM333 -----
<b>ANALYTE</b>	<b>QL</b>					
2,4'-DDT	0.33	0.31 U	0.31 U	0.32 UJ	0.33 U	3.2 U
4,4'-DDD	0.33	16 J	18 J	20 J	25 J	94
4,4'-DDE	0.33	24	28	26 J	30	29
4,4'-DDT	0.33	2.5 J	3.2 J	1.8 J	2.4 J	5.8 J
Aldrin	0.17	0.16 U	0.21 J	0.16 UJ	0.16 U	1.6 U
alpha-BHC	0.17	0.16 U	0.17 J	0.16 UJ	0.16 U	1.6 U
alpha-Chlordane	0.17	9.3 J	10 J	11 J	16	11 J
beta-BHC	0.17	0.16 U	0.16 U	0.16 UJ	0.16 U	1.6 U
delta-BHC	0.17	0.19 J	0.16 U	1.3 J	0.16 U	2.3 J
Dieldrin	0.33	0.50 J	0.61 J	0.45 J	0.47	3.2 U
Endosulfan I	0.17	0.16 U	0.16 U	0.16 UJ	0.17 U	1.6 U
Endosulfan II	0.33	0.41	0.66	0.21 J	0.28	3.2 U
Endosulfan Sulfate	0.33	0.67 J	0.78 J	0.47 J	0.33 U	3.2 U
Endrin	0.33	1.2 J	1.8 J	1.3 J	1.9	3.2 U
Endrin Aldehyde	0.33	3.4 J	3.2 J	1.6 J	1.9 J	3.2 U
Endrin Ketone	0.33	0.31 U	0.31 U	0.32 UJ	0.33 U	3.2 U
gamma-BHC	0.17	0.16 U	0.16 U	0.16 UJ	0.16 U	1.6 U
gamma-Chlordane	0.17	6.4 J	6.8 J	8.0 J	11 J	9.3 J
Heptachlor	0.17	0.16 U	0.16 U	0.16 UJ	0.16 U	1.6 U
Heptachlor Epoxide	0.17	0.16 U	0.16 U	0.16 UJ	0.16 U	1.6 U
Methoxychlor	1.7	1.6 U	1.6 U	1.6 UJ	1.6 U	16 U
Toxaphene	17.0	16 U	16 U	16 UJ	16 U	160 U
DILUTION FACTOR:	1/10	1/10	1/10	1/10	10/50	10/50
SAMPLE WEIGHT (kg):	0.053	0.053	0.042	0.032	0.049	0.035
PERCENT MOISTURE (%):	40	40	26	6.0	35	13
LEVEL:	Low	Low	Low	Low	Low	Low
DATE SAMPLED:	11/12/97	11/12/97	11/13/97	11/13/97	11/13/97	11/14/97
DATE EXTRACTED:	11/21/97	11/20/97	11/21/97	11/21/97	11/21/97	11/21/97
DATE ANALYZED:	12/18/97	12/18/97	12/18/97	12/18/97	12/14/97	12/14/97

**NOTES:**

- QL - Quantitation Limits
- J - Quantitation is approximate due to limitations identified in the quality control review
- U - Value reported is the sample-specific detection limit
- R - Value is rejected
- UJ - Sample-specific detection limit is approximate due to limitations identified in the quality control review

SITE: Wells G&H (Operable Unit 3)  
CASE NO.: 0049M

**DATA SUMMARY TABLES**  
Delivery of Analytical Services for  
Organochlorine Pesticides  
Sediment Matrix  
(ug/kg)

M&E SAMPLE ID: DAS SAMPLE NUMBER: REMARKS:	SED-04-03 DAM334 -----	SED-05-03 DAM328 FD of SED-05-05	SED-05-05 DAM331 FD of SED-05-03	SED-06-03 DAM345 -----	SED-07-02 DAM359 -----	SED-07-05 DAM360 -----
<b>ANALYTE</b>	<b>QL</b>					
2,4'-DDT	0.33 U	3.3 U	3.3 U	3.2 U	3.3 U	3.2 U
4,4'-DDD	0.33 J	180	180	79	47	39 J
4,4'-DDE	0.33 J	37	34	71	19 J	41
4,4'-DDT	0.33 J	9.7 J	8.8 J	15 J	21 J	18 J
Aldrin	0.17 U	1.7 U	1.7 U	1.6 U	1.6 U	1.6 U
alpha-BHC	0.17 U	1.7 U	1.7 U	1.6 U	1.6 U	1.6 U
alpha-Chlordane	0.17 J	9.1 J	17 J	80	49 J	64
beta-BHC	0.17 U	1.7 U	1.7 U	1.6 U	1.6 U	1.6 U
delta-BHC	0.17 J	3.0 J	4.3 J	25 J	1.6 U	24 J
Dieldrin	0.33 J	4.2 J	3.3 U	5.0 J	4.1 J	3.2 U
Endosulfan I	0.17 U	1.7 U	1.7 U	1.6 U	1.6 U	1.6 U
Endosulfan II	0.33 U	3.3 U	3.3 U	3.2 U	3.3 U	3.2 U
Endosulfan Sulfate	0.33 J	3.3 U	3.3 U	3.2 U	3.3 U	3.2 U
Endrin	0.33 J	3.3 U	3.3 U	17 J	8.6 J	17 J
Endrin Aldehyde	0.33 J	3.3 U	3.3 U	3.2 U	27 J	3.2 U
Endrin Ketone	0.33 U	3.3 U	3.3 U	3.2 U	3.3 U	3.2 U
gamma-BHC	0.17 U	1.7 U	1.7 U	1.6 U	1.6 U	1.6 U
gamma-Chlordane	0.17 J	7.3 J	16 J	48 J	41	38 J
Heptachlor	0.17 U	1.7 U	1.7 U	1.6 U	1.6 U	1.6 U
Heptachlor Epoxide	0.17 U	1.7 U	1.7 U	1.6 U	1.6 U	1.6 U
Methoxychlor	1.7 U	17 U	17 U	16 U	16 U	16 U
Toxaphene	17.0 U	170 U	170 U	160 U	160 U	160 U
DILUTION FACTOR:	1/10	10/50	10/50	10/50	10/50	10/50
SAMPLE WEIGHT (kg):	0.035	0.031	0.031	0.039	0.035	0.044
PERCENT MOISTURE (%):	12	3.0	3.0	21	13	28
LEVEL:	Low	Low	Low	Low	Low	Low
DATE SAMPLED:	11/14/97	11/13/97	11/13/97	11/18/97	11/20/97	11/20/97
DATE EXTRACTED:	11/21/97	11/21/97	11/21/97	11/24/97	11/24/97	11/24/97
DATE ANALYZED:	12/19/97	12/14/97	12/14/97	12/18/97	12/19/97	12/18/97

**NOTES:**

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SITE: Wells G&H (Operable Unit 3)  
CASE NO.: 0049M

**DATA SUMMARY TABLES**  
Delivery of Analytical Services for  
Organochlorine Pesticides  
Sediment Matrix  
(ug/kg)

M&E SAMPLE ID: DAS SAMPLE NUMBER: REMARKS:	SED-07-10 DAM353 -----	SED-10-01 DAM351 FD of SED-10-04	SED-10-02 DAM352 -----	SED-10-04 DAM355 FD of SED-10-01	SED-11-01 DAM336 -----	SED-12-01 DAM357 -----
<b>ANALYTE</b>	<b>QL</b>					
2,4'-DDT	0.33	3.2 U	3.4 U	0.35 U	3.3 U	0.33 UJ
4,4'-DDD	0.33	36	98 J	17	260 J	45 J
4,4'-DDE	0.33	33	90 J	5.1	230 J	15 J
4,4'-DDT	0.33	14 J	3.4 U	0.35 U	5.3 J	1.9 J
Aldrin	0.17	1.6 U	11 J	0.17 U	25 J	0.16 UJ
alpha-BHC	0.17	1.6 U	1.7 U	0.17 U	1.7 U	0.16 UJ
alpha-Chlordane	0.17	80	18 J	1.5 J	41 J	8.1 J
beta-BHC	0.17	1.6 U	1.7 U	0.17 U	1.7 U	0.16 UJ
delta-BHC	0.17	1.6 U	1.7 U	0.17 U	1.7 U	0.16 UJ
Dieldrin	0.33	3.2 U	13	0.35 U	15 J	1.4 J
Endosulfan I	0.17	1.6 U	1.7 U	0.17 U	1.7 U	0.44 J
Endosulfan II	0.33	3.2 U	3.4 U	0.35 U	3.3 U	0.51 J
Endosulfan Sulfate	0.33	3.2 U	3.4 U	0.35 U	3.3 U	0.72 J
Endrin	0.33	16 J	4.7 J	0.61 J	6.9	0.69 J
Endrin Aldehyde	0.33	3.2 U	6.4 J	1.7 J	17 J	1.7 J
Endrin Ketone	0.33	3.2 U	3.4 U	0.35 U	3.3 U	0.33 UJ
gamma-BHC	0.17	1.6 U	1.7 U	0.17 U	1.7 U	0.16 UJ
gamma-Chlordane	0.17	45 J	16 J	0.25 J	25 J	5.6 J
Heptachlor	0.17	1.6 U	1.7 U	0.17 U	1.7 U	0.16 UJ
Heptachlor Epoxide	0.17	1.6 U	1.7 U	0.54 J	2.3 J	0.16 UJ
Methoxychlor	1.7	16 U	17 U	1.7 U	17 U	1.6 UJ
Toxaphene	17.0	160 U	170 U	17 U	170 U	16 UJ
DILUTION FACTOR:	10/50	10/50	1/10	10/100	1/10	1/10
SAMPLE WEIGHT (kg):	0.044	0.043	0.037	0.038	0.036	0.045
PERCENT MOISTURE (%):	29	27	16	18	14	30
LEVEL:	Low	Low	Low	Low	Low	Low
DATE SAMPLED:	11/19/97	11/19/97	11/19/97	11/19/97	11/14/97	11/19/97
DATE EXTRACTED:	11/24/97	11/24/97	11/24/97	11/24/97	11/21/97	11/24/97
DATE ANALYZED:	12/19/97	12/19/97	12/20/97	12/19/97	12/19/97	12/20/97

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SITE: Wells G&H (Operable Unit 3)  
CASE NO.: 0049M

**DATA SUMMARY TABLES**  
**Delivery of Analytical Services for**  
**Organochlorine Pesticides**  
**Sediment Matrix**  
(ug/kg)

M&E SAMPLE ID: DAS SAMPLE NUMBER: REMARKS:	SED-12-03 DAM358 -----	SED-13-01 DAM341 -----	SED-13-03 DAM342 -----	SED-15-01 DAM340 -----	SED-18-02 DAM347 -----	SED-18-03 DAM348 -----	
<b>ANALYTE</b>	<b>QL</b>						
2,4'-DDT	0.33	0.32 U	0.31 UJ	3.3 U	0.33 UJ	0.33 U	0.34 U
4,4'-DDD	0.33	1.9	18 J	310	6.9 J	23 J	4.9 J
4,4'-DDE	0.33	0.90 J	17 J	130	3.8 J	28	30
4,4'-DDT	0.33	1.1 J	4.0 J	12 J	1.8 J	1.2 J	1.7 J
Aldrin	0.17	0.16 U	0.16 UJ	1.6 U	0.17 UJ	0.16 U	0.17 U
alpha-BHC	0.17	0.16 U	0.16 UJ	1.6 U	0.17 UJ	0.16 U	0.17 U
alpha-Chlordane	0.17	1.1 J	17 J	93	6.0 J	7.7 J	17 J
beta-BHC	0.17	0.16 U	0.16 UJ	1.6 U	0.17 UJ	0.16 U	0.17 U
delta-BHC	0.17	0.16 U	0.16 UJ	15 J	0.17 UJ	0.16 U	0.17 U
Dieldrin	0.33	0.32 U	1.4 J	11 J	0.57 J	0.33 J	0.94 J
Endosulfan I	0.17	0.16 U	0.16 UJ	1.6 U	0.45 J	0.16 U	0.17 U
Endosulfan II	0.33	0.32 U	0.39 J	3.3 U	0.33 UJ	0.33 U	0.34 U
Endosulfan Sulfate	0.33	0.32 U	0.38 J	3.3 U	0.33 UJ	0.33 U	0.41 J
Endrin	0.33	0.77 J	9.6 J	3.3 U	0.48 J	1.3 J	1.1 J
Endrin Aldehyde	0.33	0.87 J	2.2 J	7.5 J	2.0 J	2.4 J	3.6 J
Endrin Ketone	0.33	0.32 U	0.31 UJ	3.3 U	0.33 UJ	0.33 U	0.34 U
gamma-BHC	0.17	0.34 J	0.16 UJ	1.6 U	0.17 UJ	0.16 U	0.17 U
gamma-Chlordane	0.17	0.73 J	16 J	650 J	0.98 J	1.9 J	26 J
Heptachlor	0.17	0.16 U	0.16 UJ	1.6 U	0.17 UJ	0.16 U	0.17 U
Heptachlor Epoxide	0.17	0.27 J	0.40 J	1.6 U	0.17 J	0.16 U	0.17 U
Methoxychlor	1.7	1.6 U	1.6 UJ	16 U	1.7 UJ	1.6 U	1.7 U
Toxaphene	17.0	16 U	16 UJ	160 U	17 UJ	16 U	17 U
DILUTION FACTOR:	1	1/10	10/100	1/10	1/10	1/10	1/10
SAMPLE WEIGHT (kg):	0.036	0.05	0.034	0.058	0.032	0.053	0.053
PERCENT MOISTURE (%):	15	42	9.0	44	6.0	40	40
LEVEL:	Low	Low	Low	Low	Low	Low	Low
DATE SAMPLED:	11/20/97	11/17/97	11/17/97	11/17/97	11/17/97	11/18/97	11/18/97
DATE EXTRACTED:	11/24/97	11/24/97	11/24/97	11/24/97	11/24/97	11/24/97	11/24/97
DATE ANALYZED:	12/20/97	12/19/97	12/18/97	12/19/97	12/20/97	12/20/97	12/20/97

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SITE: Wells G&H (Operable Unit 3)  
CASE NO.: 0049M

**DATA SUMMARY TABLES**  
Delivery of Analytical Services for  
Organochlorine Pesticides  
Sediment Matrix  
(ug/kg)

M&E SAMPLE ID: DAS SAMPLE NUMBER: REMARKS:	SED-19-01 DAM354 ----	SED-20-01 DAM339 ----	SED-21-01 DAM335 ----	SED-22-02 DAM321 ----	SED-24-03 DAM320 ----	SED-25-02 DAM346 ----
<b>ANALYTE</b> <b>QL</b>						
2,4'-DDT                      0.33	0.33 U	R	3.6 U	0.31 U	3.2 U	0.32 U
4,4'-DDD                      0.33	9.0	8.4 J	35 J	9.6 J	390	11 J
4,4'-DDE                      0.33	3.2	4.4	22	31	37	4.4 J
4,4'-DDT                      0.33	0.33 U	4.6 J	4.4 J	2.7 J	24 J	2.1 J
Aldrin                          0.17	0.16 U	R	1.6 U	0.15 U	1.6 U	0.16 U
alpha-BHC                    0.17	0.16 U	0.16 U	1.6 U	0.15 U	1.6 U	0.16 U
alpha-Chlordane            0.17	0.98 J	12 J	29	1.2 J	2.0 J	1.3 J
beta-BHC                      0.17	0.16 U	0.16 U	1.6 U	0.15 U	1.6 U	0.16 U
delta-BHC                    0.17	0.16 U	0.16 U	1.8 J	0.16 J	1.6 U	0.16 U
Dieldrin                      0.33	2.5 J	0.70 J	3.2 U	0.38 J	3.2 U	0.32 U
Endosulfan I                0.17	0.44 J	0.16 U	1.6 U	0.18 J	1.6 U	0.16 U
Endosulfan II               0.33	0.33 U	0.31 U	5.2	0.48 J	3.2 U	0.33 J
Endosulfan Sulfate        0.33	0.33 U	0.31 U	3.2 U	0.31 U	3.2 U	0.32 U
Endrin                         0.33	0.92 J	0.97 J	3.6 J	0.31 U	3.2 U	0.98 J
Endrin Aldehyde            0.33	0.33 U	1.3 J	9.0 J	3.3 J	5.9 J	4.4 J
Endrin Ketone               0.33	0.33 U	0.31 U	3.2 U	0.31 U	3.2 U	0.32 U
gamma-BHC                  0.17	0.16 U	0.16 U	1.6 U	0.15 U	1.6 U	0.16 U
gamma-Chlordane           0.17	0.59 J	6.8 J	19 J	0.19 J	4.2	1.3 J
Heptachlor                  0.17	0.16 U	R	1.6 U	0.15 U	1.6 U	0.16 U
Heptachlor Epoxide       0.17	0.16 U	0.49 J	1.6 U	0.29 J	1.6 U	0.36 J
Methoxychlor               1.7	1.6 U	1.6 U	16 U	1.5 U	16 U	1.6 U
Toxaphene                   17.0	16 U	16 U	160 U	15 U	160 U	16 U
<b>DILUTION FACTOR:</b>	1/10	1/10	1/10	1/10	10/100	1/10
<b>SAMPLE WEIGHT (kg):</b>	0.05	0.056	0.047	0.060	0.041	0.040
<b>PERCENT MOISTURE (%):</b>	38	43	32	46	24	22
<b>LEVEL:</b>	Low	Low	Low	Low	Low	Low
<b>DATE SAMPLED:</b>	11/19/97	11/17/97	11/14/97	11/12/97	11/12/97	11/18/97
<b>DATE EXTRACTED:</b>	11/24/97	11/21/97	11/21/97	11/21/97	11/21/97	11/24/97
<b>DATE ANALYZED:</b>	12/19/97	12/18/97	12/18/97	11/18/97	12/13/97	12/19/97

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SITE: Wells G&H (Operable Unit 3)  
CASE NO.: 0049M

**DATA SUMMARY TABLES**  
Delivery of Analytical Services for  
**Organochlorine Pesticides**  
Aqueous Matrix  
(ug/l)

M&E SAMPLE ID: DAS SAMPLE NUMBER: REMARKS:		SED-17-EB DAM344 Equip. Blank	SED-20-EB DAM362 Equip. Blank
<b>ANALYTE</b>	<b>QL</b>		
2,4'-DDT	0.10	0.10 U	0.10 U
4,4'-DDD	0.10	0.10 U	0.10 U
4,4'-DDE	0.10	0.10 U	0.10 U
4,4'-DDT	0.10	0.10 U	0.10 U
Aldrin	0.050	0.050 U	0.050 U
alpha-BHC	0.050	0.050 U	0.050 U
alpha-Chlordane	0.050	0.050 U	0.050 U
beta-BHC	0.050	0.050 U	0.050 U
delta-BHC	0.050	0.050 U	0.050 U
Dieldrin	0.10	0.10 U	0.10 U
Endosulfan I	0.050	0.050 U	0.050 U
Endosulfan II	0.10	0.10 U	0.10 U
Endosulfan Sulfate	0.10	0.10 U	0.10 U
Endrin	0.10	0.10 U	0.10 U
Endrin Aldehyde	0.10	0.10 U	0.10 U
Endrin Ketone	0.10	0.10 U	0.10 U
gamma-BHC	0.050	0.050 U	0.050 U
gamma-Chlordane	0.050	0.050 U	0.050 U
Heptachlor	0.050	0.050 U	0.050 U
Heptachlor Epoxide	0.050	0.050 U	0.050 U
Methoxychlor	0.50	0.50 U	0.50 U
Toxaphene	5.0	5.0 U	5.0 U
<b>DILUTION FACTOR:</b>		1	1
<b>LEVEL:</b>		Low	Low
<b>DATE SAMPLED:</b>		11/17/97	11/20/97
<b>DATE EXTRACTED:</b>		11/24/97	11/24/97
<b>DATE ANALYZED:</b>		12/12/97	12/19/97

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PCBs

SITE: Wells G&H (Operable Unit 3)  
CASE NO.: 0049M

**DATA SUMMARY TABLES**  
Delivery of Analytical Services for  
**PCBs**  
Sediment Matrix  
(ug/kg)

M&E SAMPLE ID: DAS SAMPLE NUMBER: REMARKS:	SED-01-06 DAM322 -----	SED-01-07 DAM323 -----	SED-02-01 DAM326 -----	SED-02-02 DAM327 -----	SED-03-02 DAM325 -----	SED-04-02 DAM333 -----	
<b>ANALYTE</b>	<b>QL</b>						
Aroclor-1016	3.3	3.1 U	3.1 U	3.2 U	3.3 U	3.2 U	2.6 U
Aroclor-1221	6.7	6.2 U	6.3 U	6.4 U	6.6 U	6.3 U	5.2 U
Aroclor-1232	3.3	3.1 U	3.1 U	3.2 U	3.3 U	3.2 U	2.6 U
Aroclor-1242	3.3	3.1 U	3.1 U	3.2 U	3.3 U	3.2 U	2.6 U
Aroclor-1248	3.3	46 J	70 J	160 J	180 J	160 J	200 J
Aroclor-1254	3.3	3.1 U	3.1 U	3.2 U	3.3 U	3.2 U	2.6 U
Aroclor-1260	3.3	47	69 J	140	170	110	94
<b>DILUTION FACTOR:</b>	1/3	1/5	1/8	1/8	1/8	1/8	
<b>SAMPLE WEIGHT (kg):</b>	0.053	0.053	0.042	0.032	0.049	0.035	
<b>PERCENT MOISTURE (%):</b>	40	40	26	6.0	35	13	
<b>LEVEL:</b>	Low	Low	Low	Low	Low	Low	
<b>DATE SAMPLED:</b>	11/12/97	11/12/97	11/13/97	11/13/97	11/13/97	11/14/97	
<b>DATE EXTRACTED:</b>	11/21/97	11/21/97	11/21/97	11/21/97	11/21/97	11/21/97	
<b>DATE ANALYZED:</b>	12/11/97	12/11/97	12/12/97	12/13/97	12/11/97	12/13/97	

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SITE: Wells G&H (Operable Unit 3)  
CASE NO.: 0049M

**DATA SUMMARY TABLES**  
**Delivery of Analytical Services for**  
**PCBs**  
**Sediment Matrix**  
**(ug/kg)**

M&E SAMPLE ID: DAS SAMPLE NUMBER: REMARKS:	SED-04-03 DAM334 -----	SED-05-03 DAM328 FD of SED-05-05	SED-05-05 DAM331 FD of SED-05-03	SED-06-03 DAM345 -----	SED-07-02 DAM359 -----	SED-07-05 DAM360 -----
<b>ANALYTE</b>						
<b>QL</b>						
Aroclor-1016	3.3 U	3.3 U	3.4 U	3.2 U	3.3 U	3.2 U
Aroclor-1221	6.5 U	6.6 U	6.8 U	6.4 U	6.7 U	6.4 U
Aroclor-1232	3.3 U	3.3 U	3.4 U	3.2 U	3.3 U	3.2 U
Aroclor-1242	3.3 U	3.3 U	3.4 U	3.2 U	3.3 U	3.2 U
Aroclor-1248	44 J	120 J	120 J	120 J	37 J	29 J
Aroclor-1254	3.3 U	3.3 U	3.4 U	3.2 U	3.3 U	3.2 U
Aroclor-1260	160	77	72	82	95	74
<b>DILUTION FACTOR:</b>	1/10	1/4	1/4	1/2	1/6	1/5
<b>SAMPLE WEIGHT (kg):</b>	0.035	0.031	0.031	0.039	0.035	0.044
<b>PERCENT MOISTURE (%):</b>	12	3.0	3.0	21	13	28
<b>LEVEL:</b>	Low	Low	Low	Low	Low	Low
<b>DATE SAMPLED:</b>	11/14/97	11/13/97	11/13/97	11/18/97	11/20/97	11/20/97
<b>DATE EXTRACTED:</b>	11/21/97	11/21/97	11/21/97	11/24/97	11/24/97	11/24/97
<b>DATE ANALYZED:</b>	12/13/97	12/12/97	12/12/97	12/17/97	12/18/97	12/16/97

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SITE: Wells G&H (Operable Unit 3)  
CASE NO.: 0049M

**DATA SUMMARY TABLES**  
Delivery of Analytical Services for  
PCBs  
Sediment Matrix  
(ug/kg)

M&E SAMPLE ID: DAS SAMPLE NUMBER: REMARKS:	SED-07-10 DAM353 -----	SED-10-01 DAM351 FD of SED-10-04	SED-10-02 DAM352 -----	SED-10-04 DAM355 FD of SED-10-01	SED-11-01 DAM336 -----	SED-12-01 DAM357 -----
<b>ANALYTE</b>	<b>QL</b>					
Aroclor-1016	3.3	3.2 U	3.4 U	3.5 U	3.3 U	3.3 U
Aroclor-1221	6.7	6.4 U	6.8 U	6.9 U	6.6 U	6.7 U
Aroclor-1232	3.3	3.2 U	3.4 U	3.5 U	3.3 U	3.3 U
Aroclor-1242	3.3	3.2 U	3.4 U	3.5 U	3.3 U	3.3 U
Aroclor-1248	3.3	67 J	300 J	47 J	820 J	180 J
Aroclor-1254	3.3	3.2 U	3.4 U	3.5 U	3.3 U	3.3 U
Aroclor-1260	3.3	50	190 J	44	450 J	230
<b>DILUTION FACTOR:</b>	1/3	1/7	1/5	1/20	1/8	1/5
<b>SAMPLE WEIGHT (kg):</b>	0.044	0.043	0.037	0.038	0.036	0.045
<b>PERCENT MOISTURE (%):</b>	29	27	16	18	14	30
<b>LEVEL:</b>	Low	Low	Low	Low	Low	Low
<b>DATE SAMPLED:</b>	11/19/97	11/19/97	11/19/97	11/19/97	11/14/97	11/19/97
<b>DATE EXTRACTED:</b>	11/24/97	11/24/97	11/24/97	11/24/97	11/21/97	11/24/97
<b>DATE ANALYZED:</b>	12/16/97	12/17/97	12/17/97	12/17/97	12/19/97	12/17/97

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SITE: Wells G&H (Operable Unit 3)  
CASE NO.: 0049M

**DATA SUMMARY TABLES**  
Delivery of Analytical Services for  
**PCBs**  
Sediment Matrix  
(ug/kg)

M&E SAMPLE ID: DAS SAMPLE NUMBER: REMARKS:	SED-12-03 DAM358 -----	SED-13-01 DAM341 -----	SED-13-03 DAM342 -----	SED-15-01 DAM340 -----	SED-18-02 DAM347 -----	SED-18-03 DAM348 -----
<b>ANALYTE</b>						
<b>QL</b>						
Aroclor-1016	3.3	3.2 U	3.1 U	3.3 U	3.3 U	3.4 U
Aroclor-1221	6.7	6.5 U	6.3 U	6.6 U	6.6 U	6.8 U
Aroclor-1232	3.3	3.2 U	3.1 U	3.3 U	3.3 U	3.4 U
Aroclor-1242	3.3	3.2 U	3.1 U	3.3 U	3.3 U	3.4 U
Aroclor-1248	3.3	15 J	25 J	170 J	43 J	60 J
Aroclor-1254	3.3	3.2 U	3.1 U	3.3 U	3.3 U	3.4 U
Aroclor-1260	3.3	18	79	250	83	90
<b>DILUTION FACTOR:</b>	1	1/3	1/5	1/5	1/3	1/5
<b>SAMPLE WEIGHT (kg):</b>	0.036	0.055	0.034	0.058	0.032	0.053
<b>PERCENT MOISTURE (%):</b>	15	42	9.0	44	6.0	40
<b>LEVEL:</b>	Low	Low	Low	Low	Low	Low
<b>DATE SAMPLED:</b>	11/20/97	11/17/97	11/17/97	11/17/97	11/18/97	11/18/97
<b>DATE EXTRACTED:</b>	11/24/97	11/24/97	11/24/97	11/24/97	11/24/97	11/24/97
<b>DATE ANALYZED:</b>	12/16/97	12/16/97	12/16/97	12/17/97	12/16/97	12/17/97

**NOTES:**

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- J - Quantitation is approximate due to limitations identified in the quality control review
- U - Value reported is the sample-specific detection limit
- R - Value is rejected
- UJ - Sample-specific detection limit is approximate due to limitations identified in the quality control review

SITE: Wells G&H (Operable Unit 3)  
CASE NO.: 0049M

**DATA SUMMARY TABLES**  
**Delivery of Analytical Services for**  
**PCRs**  
**Sediment Matrix**  
**(ug/kg)**

M&E SAMPLE ID: DAS SAMPLE NUMBER: REMARKS:	SED-19-01 DAM354 -----	SED-20-01 DAM339 -----	SED-21-01 DAM335 -----	SED-22-02 DAM321 -----	SED-24-03 DAM320 -----	SED-25-02 DAM346 -----
<b>ANALYTE</b>						
<b>                    </b>	<b>QL</b>					
Aroclor-1016	3.3	3.3 U	3.1 U	3.2 U	3.1 U	3.2 U
Aroclor-1221	6.7	6.6 U	6.2 U	6.3 U	6.2 U	6.4 U
Aroclor-1232	3.3	3.3 U	3.1 U	3.2 U	3.1 U	3.2 U
Aroclor-1242	3.3	3.3 U	3.1 U	3.2 U	3.1 U	3.2 U
Aroclor-1248	3.3	35 J	28 J	240 J	8.1 J	290 J
Aroclor-1254	3.3	3.3 U	3.1 U	3.2 U	3.1 U	3.2 U
Aroclor-1260	3.3	11	79	420	29	200
<b>DILUTION FACTOR:</b>	1	1/6	1/2	1/10	1/7	1/3
<b>SAMPLE WEIGHT (kg):</b>	0.05	0.056	0.047	0.060	0.041	0.040
<b>PERCENT MOISTURE (%):</b>	38	43	32	46	24	22
<b>LEVEL:</b>	Low	Low	Low	Low	Low	Low
<b>DATE SAMPLED:</b>	11/19/97	11/17/97	11/14/97	11/12/97	11/12/97	11/18/97
<b>DATE EXTRACTED:</b>	11/24/97	11/21/97	11/21/97	11/21/97	11/21/97	11/24/97
<b>DATE ANALYZED:</b>	12/18/97	12/13/97	12/13/97	12/15/97	12/18/97	12/16/97

**NOTES:**  
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SITE: Wells G&H (Operable Unit 3)  
CASE NO.: 0049M

**DATA SUMMARY TABLES**  
Delivery of Analytical Services for  
PCBs  
Aqueous Matrix  
(ug/l)

M&E SAMPLE ID:		SED-17-EB	SED-20-EB
DAS SAMPLE NUMBER:		DAM344	DAM362
REMARKS:		Equip. Blank	Equip. Blank
<b>ANALYTE</b>	<b>QL</b>		
Aroclor-1016	1.0	1.0 U	1.0 U
Aroclor-1221	2.0	2.0 U	2.0 U
Aroclor-1232	1.0	1.0 U	1.0 U
Aroclor-1242	1.0	1.0 U	1.0 U
Aroclor-1248	1.0	1.0 U	1.0 U
Aroclor-1254	1.0	1.0 U	1.0 U
Aroclor-1260	1.0	1.0 U	1.0 U
<b>DILUTION FACTOR:</b>		1	1
<b>LEVEL:</b>		Low	Low
<b>DATE SAMPLED:</b>		11/17/97	11/20/97
<b>DATE EXTRACTED:</b>		11/24/97	11/21/97
<b>DATE ANALYZED:</b>		12/13/97	12/18/97

**NOTES:**

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**Low Concentration Metals**

SITE: Wells G&H (Operable Unit 3)  
CASE NO.: 0049M

**DATA SUMMARY TABLES**  
**Delivery of Analytical Services for**  
**Low Concentration Metals (Totals)**  
**Sediment Matrix**  
**(mg/kg)**

M&E SAMPLE ID: DAS SAMPLE NUMBER: REMARKS:		SED-01-06 DAM322 ----	SED-01-07 DAM323 ----	SED-02-01 DAM326 ----	SED-02-02 DAM327 ----	SED-03-02 DAM325 ----	SED-04-02 DAM333 ----	
<b>ANALYTE</b>	<b>METHOD</b>	<b>CRQL</b>						
Silver	F	0.020	0.75 J	0.66 J	0.40 J	0.91 J	0.69 J	0.59 J
Aluminum	P	4.0	12200 J	13200 J	6570 J	11200 J	6720 J	17700 J
Arsenic	P,F	0.20	78.1	111	56.4	105	86.5	1570
Barium	P	2.0	85.8	95.1	50.6	81.2	84.6	77.3
Beryllium	P,F	0.040	0.87 J	0.98 J	0.47 J	0.91 J	0.59 J	1.7 J
Calcium	P	8.0	5420	7510	2610	4600	4410	5900
Cadmium	P,F	0.010	6.8	8.5	3.8	16.1	5.2	19.1
Cobalt	P	2.0	27.9 J	33.1 J	17.0 J	33.0 J	21.4 J	42.7 J
Chromium	P	1.0	148 J	192 J	103 J	190 J	200 J	3000 J
Copper	P	1.0	305	436	128	381	171	1080
Iron	P	4.0	31800 J	32500 J	16900 J	26000 J	21900 J	86200 J
Mercury	AV	0.010	1.0	1.1	0.37	1.1	0.71	13.6
Potassium	P	80	1190 J	1170 J	640 J	784 J	604 J	476 J
Magnesium	P	10	3480	3430	2150	2510	1790	1400
Manganese	P	1.0	479	595	206	390	503	803
Sodium	P	50	583	611	197	382	321	330
Nickel	P	2.0	40.4 J	41.3 J	21.5 J	31.0 J	26.7 J	41.2 J
Lead	P,F	0.40	413 J	477 J	225 J	449 J	345 J	425 J
Antimony	P,F	0.30	1.7 J	1.8 J	1.9 J	2.1 J	1.7 J	11.1 J
Selenium	F	1.0	5.1 J	1.4 J	1.6 J	2.0 J	4.2 J	1.8 J
Thallium	F	0.40	0.63 UJ	0.43 UJ	0.53 UJ	0.48 UJ	0.43 UJ	0.44 UJ
Vanadium	P	1.0	56.4	55.3	32.2	46.1	49.2	63.8
Zinc	P	2.0	2080 J	2370 J	992 J	5170 J	1420 J	4330 J
<b>DATE SAMPLED:</b>			11/12/97	11/12/97	11/12/97	11/12/97	11/12/97	11/12/97

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- AV - Auto Cold Vapor Extraction
- P - ICP/AE
- F - Furnace
- FD - Field Duplicate

SITE: Wells G&H (Operable Unit 3)  
CASE NO.: 0049M

**DATA SUMMARY TABLES**  
**Delivery of Analytical Services for**  
**Low Concentration Metals (Totals)**  
**Sediment Matrix**  
(mg/kg)

M&E SAMPLE ID: DAS SAMPLE NUMBER: REMARKS:			SED-04-03 DAM334 -----	SED-05-03 DAM328 FD of SED-05-05	SED-05-05 DAM331 FD of SED-05-03	SED-06-03 DAM345 -----	SED-07-02 DAM359 -----	SED-07-05 DAM360 -----
ANALYTE	METHOD	CRQL						
Silver	F	0.020	0.91 J	0.18 J	0.73 J	0.18 J	0.86 J	0.91 J
Aluminum	P	4.0	11500 J	4860 J	4300 J	14300	13200	14700
Arsenic	P,F	0.20	98.6	9.8	9.9	135	111	98.3
Barium	P	2.0	175	40.8	37.8	130	110	118
Beryllium	P,F	0.040	0.86 J	0.32 J	0.27 J	1.0	0.95	1.0
Calcium	P	8.0	6310	1590	1090	5510	5310	6630
Cadmium	P,F	0.010	7.4	0.76	0.48	7.7	6.3	5.8
Cobalt	P	2.0	21.6 J	5.6 J	4.4 J	20.9	19.2	21.5
Chromium	P	1.0	240 J	90.0 J	46.9 J	403	291	277
Copper	P	1.0	323	45.9	40.4	389	306	304
Iron	P	4.0	31600 J	9520 J	8600 J	40600	33800	35400
Mercury	AV	0.010	1.7	0.23	0.22	2.6	2.3	2.0
Potassium	P	80	1120 J	681 J	390 J	1380	1310	1620
Magnesium	P	10	3470	2100	1590	4260	4180	5330
Manganese	P	1.0	1010	103	91.9	1630	517	495
Sodium	P	50	347	103	85.3	617 U	416 U	519 U
Nickel	P	2.0	33.6 J	11.2 J	10.8 J	32.2	35.2	37.5
Lead	P,F	0.40	487 J	1090 J	220 J	455	382	406
Antimony	P,F	0.30	1.8 J	2.4 J	0.68 UJ	2.5 J	2.6 J	2.8 J
Selenium	F	1.0	2.0 J	0.53 U	0.53 U	3.4 J	2.2 J	2.2 J
Thallium	F	0.40	0.43 UJ	0.04 UJ	0.04 UJ	0.77 U	0.81 U	0.44 U
Vanadium	P	1.0	55.7	26.3	20.8	60.2	56.7	62.6
Zinc	P	2.0	1590 J	144 J	126 J	1630	1500	1450
DATE SAMPLED:			11/12/97	11/12/97	11/13/97	11/18/97	11/20/97	11/20/97

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SITE: Wells G&H (Operable Unit 3)  
CASE NO.: 0049M

**DATA SUMMARY TABLES**  
**Delivery of Analytical Services for**  
**Low Concentration Metals (Totals)**  
**Sediment Matrix**  
**(mg/kg)**

M&E SAMPLE ID: DAS SAMPLE NUMBER: REMARKS:			SED-07-10 DAM353 ----	SED-10-01 DAM351 FD of SED-10-04	SED-10-02 DAM352 ----	SED-10-04 DAM355 FD of SED-10-01	SED-11-01 DAM336 ----	SED-12-01 DAM357 ----
ANALYTE	METHOD	CRQL						
Silver	F	0.020	0.78 J	0.62 J	0.57 J	0.17 J	0.92 J	0.54 J
Aluminum	P	4.0	12500	30100	24400	28400	12600 J	26000
Arsenic	P,F	0.20	87.4	715	875	670	121	3230
Barium	P	2.0	89.8	99.2	53.4	126	149	78.8
Beryllium	P,F	0.040	0.86	2.0	1.7	2.1	0.97 J	2.0
Calcium	P	8.0	5840	9570	8590	9970	5800	8920
Cadmium	P,F	0.010	4.5	17.5	12.4	19.9	9.5	11.7
Cobalt	P	2.0	18.2	34.5	16.5	46.1	25.3 J	36.2
Chromium	P	1.0	238	3290	934	3580	303 J	2120
Copper	P	1.0	261	2590	1870	2040	402	2080
Iron	P	4.0	29100	45500	31900	57800	31700 J	90200
Mercury	AV	0.010	1.6	24.4	24.2	15.4	1.9	27.5
Potassium	P	80	1320	597	345 U	877	956 J	795
Magnesium	P	10	4420	2130	1500	2410	2980	1860
Manganese	P	1.0	397	570	409	760	728	776
Sodium	P	50	483 U	726 U	642 U	815	421	708 U
Nickel	P	2.0	31.5	41.4	18.4	50.1	32.8 J	28.3
Lead	P,F	0.40	326	975	559	787	606 J	1240
Antimony	P,F	0.30	2.4 J	17.7 J	13.9 J	10.2 J	1.5 UJ	68.0 J
Selenium	F	1.0	2.4 J	10.3	11.5	8.3 J	2.5 J	18.3
Thallium	F	0.40	0.76 U	1.7 U	1.3 U	2.6 U	0.44 UJ	1.2 U
Vanadium	P	1.0	54.6	75.5	47.8	78.4	58.8	107
Zinc	P	2.0	1190	3340	1570	4700	2260 J	2640
DATE SAMPLED:			11/19/97	11/19/97	11/19/97	11/19/97	11/12/97	11/20/97

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- P - ICP/AE
- F - Furnace
- FD - Field Duplicate

SITE: Wells C&H (Operable Unit 3)  
CASE NO.: 0049M

DATA SUMMARY TABLES  
Delivery of Analytical Services for  
Low Concentration Metals (Totals)  
Sediment Matrix  
(mg/kg)

M&E SAMPLE ID: DAS SAMPLE NUMBER: REMARKS:	SED-12-03 DAM358 -----	SED-13-01 DAM341 -----	SED-13-03 DAM342 -----	SED-15-01 DAM340 -----	SED-18-02 DAM347 -----	SED-18-03 DAM348 -----		
ANALYTE	METHOD	CRQL						
Silver	F	0.020	1.2 J	0.21 J	0.32 J	0.29 J	0.74 J	0.62 J
Aluminum	P	4.0	27500	6430 J	14800 J	6100 J	20300	24100
Arsenic	P,F	0.20	4550	15.9	186	184	1180	839
Barium	P	2.0	52.5	63.8	107	65.6	143	169
Beryllium	P,F	0.040	1.7	0.45 J	1.1 J	0.76 J	1.8	2.3
Calcium	P	8.0	7160	3020	6950	13400	7300	6860
Cadmium	P,F	0.010	11.4	3.1	3.8	17.7	15.1	16.0
Cobalt	P	2.0	38.1	7.2 J	9.7 J	23.1 J	44.3	54.9
Chromium	P	1.0	726	61.2 J	562 J	537 J	3890	4340
Copper	P	1.0	1980	113	450	306	1010	1310
Iron	P	4.0	107000	12800 J	20200 J	16000 J	99600	85100
Mercury	AV	0.010	44.8	0.25 J	14.3 J	1.3 J	7.5	5.5
Potassium	P	80	450 U	715 J	741 J	243 J	894	1050
Magnesium	P	10	1480	1930	2370	1300	2780	2930
Manganese	P	1.0	586	123	330	956	1630	1580
Sodium	P	50	493 U	622	798	642	648 U	551 U
Nickel	P	2.0	20.5	15.9 J	19.4 J	18.9 J	42.5	46.7
Lead	P,F	0.40	1220	340 J	771 J	157 J	469	678
Antimony	P,F	0.30	117 J	1.7 J	4.2 J	3.9 J	8.9 J	9.2 J
Selenium	F	1.0	30.3	0.53 J	3.1 J	1.2 UJ	8.0 J	9.0 J
Thallium	F	0.40	1.5 U	0.43 UJ	0.43 UJ	2.4 J	1.0 U	1.9 U
Vanadium	P	1.0	127	27.4	54.0	22.4	76.0	95.9
Zinc	P	2.0	4760	445 J	641 J	2490 J	4020	3600
DATE SAMPLED:	11/20/97	11/17/97	11/17/97	11/17/97	11/18/97	11/18/97		

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SITE: Wells G&H (Operable Unit 3)  
CASE NO.: 0049M

**DATA SUMMARY TABLES**  
**Delivery of Analytical Services for**  
**Low Concentration Metals (Totals)**  
**Sediment Matrix**  
**(mg/kg)**

M&E SAMPLE ID: DAS SAMPLE NUMBER: REMARKS:		SED-19-01 DAM354 ----	SED-20-01 DAM339 ----	SED-21-01 DAM335 ----	SED-22-02 DAM321 ----	SED-24-03 DAM320 ----	SED-25-02 DAM346 ----	
<b>ANALYTE</b>	<b>METHOD</b>	<b>CRQL</b>						
Silver	F	0.020	0.12 UJ	0.29 J	0.30 J	0.22 J	2.5 J	0.20 J
Aluminum	P	4.0	10100	13500 J	11300 J	2700 J	8440 J	7190
Arsenic	P,F	0.20	182	236	258	6.6	30.7	5.4
Barium	P	2.0	66.5	44.2	181	32.9	43.6	48.5
Beryllium	P,F	0.040	2.9	1.2 J	0.93 J	0.48 J	0.80 J	0.37
Calcium	P	8.0	11800	11100	8290	19600	2410	2150
Cadmium	P,F	0.010	7.4	15.3	14.1	0.61	2.0	0.78 J
Cobalt	P	2.0	18.7	28.3 J	26.9 J	2.7 J	12.1 J	8.1
Chromium	P	1.0	226	1090 J	5590 J	11.7 J	410 J	26.1
Copper	P	1.0	557	1060	613	26.0	130	52.7
Iron	P	4.0	19800	18500 J	20800 J	2710 J	13200 J	14700
Mercury	AV	0.010	0.98	1.3 J	0.15	0.50	0.71	0.10
Potassium	P	80	342 U	454 J	531 J	260 J	1170 J	1210
Magnesium	P	10	1300	1530	2170	1370	2880	3490
Manganese	P	1.0	677	711	268	36.7	131	190
Sodium	P	50	706 U	612	796	546	516	187 U
Nickel	P	2.0	14.6	27.5 J	29.8 J	9.2 J	23.7 J	14.6
Lead	P,F	0.40	197	450 J	546 J	3970 J	566 J	210
Antimony	P,F	0.30	5.2 J	3.8 J	2.0 J	8.0 J	1.2 J	0.64 J
Selenium	F	1.0	5.6	3.3 J	3.2 J	8.1 J	0.91 J	0.48 UJ
Thallium	F	0.40	1.5 U	0.44 UJ	0.44 UJ	0.44 UJ	0.12 UJ	0.14 U
Vanadium	P	1.0	25.4	38.2	46.2	38.8	80.3	29.7 J
Zinc	P	2.0	1080	2380 J	4940 J	34.2 J	251 J	178
<b>DATE SAMPLED:</b>			11/19/97	11/12/97	11/12/97	11/12/97	11/12/97	11/18/97

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SITE: Wells Gach (Operable Unit 3)  
CASE NO.: 0049M

DATA SUMMARY TABLES  
Delivery of Analytical Services for  
Low Concentration Metals (Totals)  
Aqueous Matrix  
(ug/L)

M&E SAMPLE ID:			SED-17-EB	SED-20-EB
DAS SAMPLE NUMBER:			DAM344	DAM362
REMARKS:			Equip. Blank	Equip. blank
ANALYTE	METHOD	CRQL		
Silver	F	0.4	0.74 U	0.58 UJ
Aluminum	P	40	38.2 UJ	53.4
Arsenic	P,F	4	1.4 U	1.4 U
Barium	P	20	0.64	0.53
Beryllium	P,F	0.8	0.10 U	0.10 U
Calcium	P	80	113 U	89.5 U
Cadmium	P,F	0.2	0.10 U	0.10 U
Cobalt	P	20	4.1 UJ	4.1 U
Chromium	P	10	2.5 UJ	0.60 U
Copper	P	10	7.9 U	1.2 U
Iron	P	40	56.7 UJ	36.9
Mercury	AV	0.1	0.10 U	0.10 UJ
Potassium	P	800	91.8 U	79.7 U
Magnesium	P	100	38.1 U	52.9
Manganese	P	10	1.5 U	0.56 U
Sodium	P	500	207 U	122 U
Nickel	P	20	1.6 UJ	1.6 U
Lead	P,F	8	0.60 UJ	0.60 U
Antimony	P,F	6	1.7 UJ	1.6 J
Selenium	F	20	1.1 UJ	1.5 J
Thallium	F	8	0.80 U	0.90 U
Vanadium	P	10	0.80 U	1.4 U
Zinc	P	20	7.8 UJ	3.0
DATE SAMPLED:			11/17/97	11/20/97

NOTES:

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Quantitation Limit
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due to limitations identified  
in the quality control review
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sample-specific detection limit
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limitations identified in the  
quality control review
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- FD - Field Duplicate

AVS/SEM

SITE: Wells G&H (Operable Unit 3)  
CASE NO.: 0049M

**DATA SUMMARY TABLES**  
**Delivery of Analytical Services for**  
**Acid Volatile Sulfide and Selected Simultaneously Extracted Metals (AVS/SEM)**  
**Sediment and Aqueous Matrices**  
**(umoles/g)**

M&E SAMPLE ID: DAS SAMPLE NUMBER: REMARKS:	SED-01-06 DAM322	SED-01-07 DAM323	SED-02-01 DAM326	SED-02-02 DAM327	SED-03-02 DAM325	SED-04-02 DAM333	SED-04-03 DAM334
<b>ANALYTE</b>							
<b>METHOD</b>							
<b>CRDL</b>							
Sulfide	72.0	79.9	34.7	129	88.0	23.5	18.7
Arsenic	0.06 J	0.11 J	0.05 U	0.05 J	0.05 U	0.09 J	0.08 J
Cadmium	0.08 UJ	0.09 J	0.05 U	0.15 J	0.08 UJ	0.08 UJ	0.06 UJ
Copper	0.05 UJ	0.08 J	0.05 UJ				
Lead	1.87 J	2.13 J	0.83 J	1.88 J	1.69 J	1.96 J	1.60 J
Mercury	0.05 U						
Nickel	0.86 J	0.23 J	0.14 J	0.49 J	0.98 J	0.24 J	0.34 J
Zinc	26.5 J	29.3 J	11.2 J	36.7 J	25.0 J	21.0 J	15.1 J
SEM/AVS Ratio *	0.41	0.40	0.35	0.30	0.32	0.99	0.91
DATE SAMPLED:	11/12/97	11/12/97	11/13/97	11/13/97	11/13/97	11/14/97	11/14/97
PERCENT MOISTURE (%)	84.9	83.8	65.4	79.6	82.6	83.1	81.1

**NOTES:**

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NC - Not Calculated

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R - Value is rejected

UJ - Sample-specific detection limit is approximate due to limitations identified in the quality control review

CV - Cold Vapor Extraction

P - ICP/Flame AE

FD - Field Duplicate

\* SEM/AVS Ratio = sum of cadmium, copper, lead, mercury, nickel, and zinc detected concentrations divided by the sulfide concentration

SITE: Wells G&H (Operable Unit 3)  
CASE NO.: 0049M

**DATA SUMMARY TABLES**  
Delivery of Analytical Services for  
Acid Volatile Sulfide and Selected Simultaneously Extracted Metals (AVS/SEM)  
Sediment and Aqueous Matrices  
(umoles/g)

M&E SAMPLE ID:	SED-05-03	SED-05-05	SED-06-03	SED-07-02	SED-07-05	SED-07-10	SED-10-01		
DAS SAMPLE NUMBER:	DAM328	DAM331	DAM345	DAM359	DAM360	DAM353	DAM351		
REMARKS:	FD of SED-05-05	FD of SED-05-03	----	----	----	----	FD of SED-10-04		
ANALYTE	METHOD	CRDL							
Sulfide	--	0.05	24.7	15.3	5.44	20.4	49.6	5.22	64.3
Arsenic	P	0.05	0.05 U	0.05 U	0.17 J	0.19 J	0.10 J	0.17 J	1.56 J
Cadmium	P	0.05	0.05 U	0.05 U	0.06	0.05 U	0.05	0.07	0.11
Copper	P	0.05	0.46 J	0.05 UJ	0.08	0.19	0.05 U	0.05 U	0.10
Lead	P	0.05	1.17 J	0.78 J	1.54	1.46	1.41	1.67	1.98 J
Mercury	CV	0.05	0.05 U	0.05 U	R	R	R	R	R
Nickel	P	0.05	0.10 J	0.06 J	0.39 J	0.47 J	0.30 J	0.25 J	0.34 J
Zinc	P	0.05	3.88 J	2.24 J	11.2 J	15.1 J	17.1 J	11.2 J	24.1 J
SEM/AVS Ratio *			0.23	0.20	2.44	0.84	0.38	2.53	0.41
DATE SAMPLED:	11/13/97	11/14/97	11/18/97	11/20/97	11/20/97	11/19/97	11/19/97		
PERCENT MOISTURE (%)	24.9	30.6	73.9	68.0	73.1	71.7	86.7		

NOTES:

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P - ICP/Flame AE

FD - Field Duplicate

\* SEM/AVS Ratio = sum of cadmium, copper, lead, mercury, nickel, and zinc detected concentrations divided by the sulfide concentration

SITE: Wells G&H (Operable Unit 3)  
CASE NO.: 0049M

**DATA SUMMARY TABLES**  
Delivery of Analytical Services for  
Acid Volatile Sulfide and Selected Simultaneously Extracted Metals (AVS/SEM)  
Sediment and Aqueous Matrices  
(umoles/g)

M&E SAMPLE ID: DAS SAMPLE NUMBER: REMARKS:	SED-10-02 DAM352 -----	SED-10-04 DAM355 FD of SED-10-01	SED-11-01 DAM336 -----	SED-12-01 DAM357 -----	SED-12-03 DAM358 -----	SED-13-01 DAM341 -----	SED-13-03 DAM342 -----
<b>ANALYTE</b>							
<b>METHOD</b>							
<b>CRDL</b>							
Sulfide	5.15	64.8	15.7	35.8	11.6	4.80	3.79
Arsenic	4.53 J	0.80 J	2.98 J	3.40 J	2.99 J	0.05 U	0.50 J
Cadmium	0.05 U	0.12	0.10 UJ	0.05 U	0.08	0.05 U	0.05 U
Copper	0.61	0.05 U	1.45 J	1.27	0.62	0.05 UJ	0.59 J
Lead	1.87 J	1.53	1.29 J	1.54	3.26	1.17 J	2.79 J
Mercury	R	R	0.05 U	R	R	0.05 U	0.05 U
Nickel	0.23 J	0.83 J	0.44 J	0.26 J	0.28 J	0.15 J	0.21 J
Zinc	9.56 J	25.0 J	17.8 J	13.0 J	13.3 J	5.79 J	4.96 J
<b>SEM/AVS Ratio *</b>	2.38	0.42	1.34	0.45	1.51	1.48	2.26
<b>DATE SAMPLED:</b>	11/19/97	11/19/97	11/14/97	11/20/97	11/20/97	11/17/97	11/17/97
<b>PERCENT MOISTURE (%)</b>	82.6	86.2	79.4	82.7	75.4	69.7	73.8

**NOTES:**

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CV - Cold Vapor Extraction

P - ICP/Flame AE

FD - Field Duplicate

\* SEM/AVS Ratio = sum of cadmium, copper, lead, mercury, nickel, and zinc detected concentrations divided by the sulfide concentration

SITE: Wells G&H (Operable Unit 3)  
CASE NO.: 0049M

**DATA SUMMARY TABLES**  
Delivery of Analytical Services for  
Acid Volatile Sulfide and Selected Simultaneously Extracted Metals (AVS/SEM)  
Sediment and Aqueous Matrices  
(umoles/g)

M&E SAMPLE ID:	SED-15-01	SED-18-02	SED-18-03	SED-19-01	SED-20-01	SED-21-01	SED-22-02		
DAS SAMPLE NUMBER:	DAM340	DAM347	DAM348	DAM354	DAM339	DAM335	DAM321		
REMARKS:	----	----	----	----	----	----	----		
ANALYTE	METHOD	CRDL							
Sulfide	--	0.05	31.3	17.1	15.9	6.88	17.7	28.0	0.050 U
Arsenic	P	0.05	0.47 J	3.43 J	3.00 J	0.52 J	1.12 J	0.19 J	0.05 U
Cadmium	P	0.05	0.20 J	0.11	0.08	0.05 U	0.09 J	0.09 UJ	0.05 U
Copper	P	0.05	0.05 UJ	2.18	4.11	0.38	1.29 J	0.05 UJ	0.53 J
Lead	P	0.05	0.81 J	1.70	2.38	0.60	1.43 J	1.68 J	20.4 J
Mercury	CV	0.05	0.05 U	R	R	R	0.05 U	0.05 U	0.05 U
Nickel	P	0.05	0.52 J	0.47 J	0.61 J	0.15 J	0.72 J	0.17 J	0.35 J
Zinc	P	0.05	26.1 J	19.5 J	18.9 J	9.55 J	20.6 J	25.7 J	2.10 J
SEM/AVS Ratio *			0.88	1.40	1.64	1.55	1.36	0.99	467.6
DATE SAMPLED:	11/17/97	11/18/97	11/18/97	11/19/97	11/17/97	11/14/97	11/12/97		
PERCENT MOISTURE (%)	88.2	83.7	83.8	83.8	88.4	85.1	83.3		

NOTES:

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CV - Cold Vapor Extraction

P - ICP/Flame AE

FD - Field Duplicate

\* SEM/AVS Ratio = sum of cadmium, copper, lead, mercury, nickel, and zinc detected concentrations divided by the sulfide concentration

SITE: Wells G&H (Operable Unit 3)  
CASE NO.: 0049M

**DATA SUMMARY TABLES**  
Delivery of Analytical Services for  
Acid Volatile Sulfide and Selected Simultaneously Extracted Metals (AVS/SEM)  
Sediment and Aqueous Matrices  
(umoles/g)

M&E SAMPLE ID:			SED-24-03	SED-25-02
DAS SAMPLE NUMBER:			DAM320	DAM346
REMARKS:			----	----
ANALYTE	METHOD	CRDL		
Sulfide	--	0.05	10.2	2.03
Arsenic	P	0.05	0.05 U	0.05 U
Cadmium	P	0.05	0.05 U	0.05 U
Copper	P	0.05	0.05 UJ	0.11
Lead	P	0.05	1.79 J	0.90
Mercury	CV	0.05	0.05 U	R
Nickel	P	0.05	0.38 J	0.05 J
Zinc	P	0.05	3.69 J	1.84 J
SEM/AVS Ratio *			0.57	1.43
DATE SAMPLED:			11/12/97	11/18/97
PERCENT MOISTURE (%)			69.6	44.7

NOTES:

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NC - Not Calculated

U - Value reported is the sample-specific detection limit

R - Value is rejected

UJ - Sample-specific detection limit is approximate due to limitations identified in the quality control review

CV - Cold Vapor Extraction

P - ICP/Flame AE

FD - Field Duplicate

\* SEM/AVS Ratio = sum of cadmium, copper, lead, mercury, nickel, and zinc detected concentrations divided by the sulfide concentration

SITE: Wells G&H (Operable Unit 3)  
CASE NO.: 0049M

**DATA SUMMARY TABLES**  
Delivery of Analytical Services for  
Acid Volatile Sulfide and Selected Simultaneously Extracted Metals (AVS/SEM)  
Sediment and Aqueous Matrices  
(umoles/g)

M&E SAMPLE ID:			SED-17-EB	SED-20-EB
DAS SAMPLE NUMBER:			DAM344	DAM362
REMARKS:			Eq. Blank	Equip. Blank
<u>ANALYTE</u>	<u>METHOD</u>	<u>CRDL</u>		
Sulfide	--	0.05	0.050 U	0.050 U
Arsenic	P	0.05	0.05 U	0.05 U
Cadmium	P	0.05	0.05 U	0.05 U
Copper	P	0.05	0.05 U	0.05 U
Lead	P	0.05	0.05 U	0.05 U
Mercury	CV	0.05	0.05 U	0.05 U
Nickel	P	0.05	0.05 U	0.05 U
Zinc	P	0.05	0.05 U	0.05 U
SEM/AVS Ratio *			NC	NC
DATE SAMPLED:			11/17/97	11/20/97
PERCENT MOISTURE (%)			100.0	100.0

**NOTES:**

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UJ - Sample-specific detection limit is approximate due to limitations identified in the quality control review

CV - Cold Vapor Extraction

P - ICP/Flame AE

\* SEM/AVS Ratio = sum of cadmium, copper, lead, mercury, nickel, and zinc detected concentrations divided by the sulfide concentration

**Total Combustible Organics**

SITE: Wells G&H (Operable Unit 3)  
CASE NO.: 0049M

**DATA SUMMARY TABLES**  
Delivery of Analytical Services for  
**Total Combustible Organics/Total Organic Carbon**  
Sediment Matrix

M&E SAMPLE ID: DAS SAMPLE NUMBER: REMARKS:	SED-01-06 DAM322 -----	SED-01-07 DAM323 -----	SED-02-01 DAM326 -----	SED-02-02 DAM327 -----	SED-03-02 DAM325 -----	SED-04-02 DAM333 -----	
<b>ANALYTE</b>							
<b>Percent Moisture (%)</b>	<u>RL</u> 0.01	83.7	81.6	67.9	79.8	83.0	82.7
<b>Percent Solids - Wet (%)</b>	0.01	16.3	18.4	32.1	20.2	17.0	17.3
<b>Percent Solids - Dry (%)</b>	0.01	99.0	99.1	99.7	99.3	98.9	97.6
<b>Total Combustible Organics (mg/kg)</b>	2000	230000 J	152000 J	125000 J	160000 J	195000 J	193000 J
<b>Total Organic Carbon (mg/kg)</b>		NR	NR	NR	NR	NR	NR
<b>pH</b>	--	6.6 J	6.9 J	6.5 J	6.5 J	6.3 J	6.8 J
<b>DILUTION FACTOR (for TCO):</b>		1.0	1.0	1.0	1.0	1.0	1.0
<b>DATE SAMPLED:</b>		11/12/97	11/12/97	11/13/97	11/13/97	11/13/97	11/14/97
<b>DATE TCO ANALYZED:</b>		12/15/97	12/15/97	12/15/97	12/15/97	12/15/97	12/15/97

**NOTES:**

RL - Reporting Limit  
TCO - Total Combustible Organics

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- NR - Not required to be reported

SITE: Wells G&H (Operable Unit 3)  
CASE NO.: 0049M

**DATA SUMMARY TABLES**  
Delivery of Analytical Services for  
**Total Combustible Organics/Total Organic Carbon**  
**Sediment Matrix**

M&E SAMPLE ID: DAS SAMPLE NUMBER: REMARKS:	SED-04-03 DAM334 -----	SED-05-03 DAM328 FD of SED-05-05	SED-05-05 DAM331 FD of SED-05-03	SED-06-03 DAM345 -----	SED-07-02 DAM359 -----	SED-07-05 DAM360 -----
<b>ANALYTE</b>						
<b>Percent Moisture (%)</b>	82.4	25.5	20.3	73.4 J	69.6 J	73.7 J
<b>Percent Solids - Wet (%)</b>	17.6	74.5	79.7	26.6 J	30.4 J	26.3 J
<b>Percent Solids - Dry (%)</b>	98.6	NR	NR	99.5 J	99.5 J	97.1 J
<b>Total Combustible Organics (mg/kg)</b>	255000 J	34200 J	84000 J	197000 J	194000 J	210000 J
<b>Total Organic Carbon (mg/kg)</b>	NR	NR	NR	NR	NR	NR
<b>pH</b>	6.6 J	6.3 J	6.4 J	6.6 J	5.6 J	5.6 J
<b>DILUTION FACTOR (for TCO):</b>	1.0	1.0	1.0	1.0	1.0	1.0
<b>DATE SAMPLED:</b>	11/14/97	11/13/97	11/14/97	11/18/97	11/20/97	11/20/97
<b>DATE TCO ANALYZED:</b>	12/15/97	12/15/97	12/15/97	12/22/97	12/22/97	12/22/97

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SITE: Wells G&H (Operable Unit 3)  
CASE NO.: 0049M

**DATA SUMMARY TABLES**  
**Delivery of Analytical Services for**  
**Total Combustible Organics/Total Organic Carbon**  
**Sediment Matrix**

M&E SAMPLE ID: DAS SAMPLE NUMBER: REMARKS:	SED-07-10 DAM353 -----	SED-10-01 DAM351 FD of SED-10-04	SED-10-02 DAM352 -----	SED-10-04 DAM355 FD of SED-10-01	SED-11-01 DAM336 -----	SED-12-01 DAM357 -----
<b>ANALYTE</b>						
<b>RL</b>						
Percent Moisture (%)	74.0 J	88.0 J	85.5 J	87.3 J	83.0	84.2 J
Percent Solids - Wet (%)	26.0 J	12.0 J	14.5 J	12.7 J	17.0	15.8 J
Percent Solids - Dry (%)	99.6 J	77.0 J	99.5 J	84.0 J	98.4	98.1 J
Total Combustible Organics (mg/kg)	218000 J	471000 J	463000 J	459000 J	387000 J	912000 J
Total Organic Carbon (mg/kg)	NR	NR	NR	NR	NR	NR
pH	6.5 J	5.5 J	5.4 J	5.5 J	6.3 J	4.5 J
<b>DILUTION FACTOR (for TCO):</b>	1.0	1.0	1.0	1.0	1.0	1.0
<b>DATE SAMPLED:</b>	11/19/97	11/19/97	11/19/97	11/19/97	11/14/97	11/19/97
<b>DATE TCO ANALYZED:</b>	12/22/97	12/22/97	12/22/97	12/22/97	12/15/97	12/22/97

**NOTES:**

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TCO - Total Combustible Organics

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SITE: Wells G&H (Operable Unit 3)  
CASE NO.: 0049M

**DATA SUMMARY TABLES**  
Delivery of Analytical Services for  
**Total Combustible Organics/Total Organic Carbon**  
Sediment Matrix

M&E SAMPLE ID: DAS SAMPLE NUMBER: REMARKS:	SED-12-03 DAM358 -----	SED-13-01 DAM341 -----	SED-13-03 DAM342 -----	SED-15-01 DAM340 -----	SED-18-02 DAM347 -----	SED-18-03 DAM348 -----
<b>ANALYTE</b>						
<b>RL</b>						
Percent Moisture (%)	76.7 J	62.2	75.6	86.4	85.7 J	84.3 J
Percent Solids - Wet (%)	23.3 J	37.8	24.4	13.6	14.3 J	15.7 J
Percent Solids - Dry (%)	93.4 J	99.2	98.8	42.5	98.9 J	99.2 J
Total Combustible Organics (mg/kg)	431000 J	232000 J	118000 J	702000 J	361000 J	423000 J
Total Organic Carbon (mg/kg)	NR	NR	NR	NR	NR	NR
pH	5.6 J	6.1 J	6.4 J	5.9 J	6.3 J	6.4 J
<b>DILUTION FACTOR (for TCO):</b>	1.0	1.0	1.0	1.0	1.0	1.0
<b>DATE SAMPLED:</b>	11/20/97	11/17/97	11/17/97	11/17/97	11/18/97	11/18/97
<b>DATE TCO ANALYZED:</b>	12/22/97	12/15/97	12/15/97	12/15/97	12/22/97	12/22/97

**NOTES:**

RL - Reporting Limit  
TCO - Total Combustible Organics

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- U - Value reported is the sample-specific detection limit
- R - Value is rejected
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- NR - Not required to be reported

SITE: Wells G&H (Operable Unit 3)  
CASE NO.: 0049M

**DATA SUMMARY TABLES**  
Delivery of Analytical Services for  
**Total Combustible Organics/Total Organic Carbon**  
**Sediment Matrix**

M&E SAMPLE ID: DAS SAMPLE NUMBER: REMARKS:	SED-19-01 DAM354 -----	SED-20-01 DAM339 -----	SED-21-01 DAM335 -----	SED-22-02 DAM321 -----	SED-24-03 DAM320 -----	SED-25-02 DAM346 -----
<b>ANALYTE</b>						
<b>Percent Moisture (%)</b>	84.9 J	87.7	85.7	83.5	67.3	43.7 J
<b>Percent Solids - Wet (%)</b>	15.1 J	12.3	14.3	16.5	32.7	56.3 J
<b>Percent Solids - Dry (%)</b>	57.8 J	97.4	97.3	96.8	99.4	NR
<b>Total Combustible Organics (mg/kg)</b>	686000 J	441000 J	344000 J	693000 J	153000 J	59200 J
<b>Total Organic Carbon (mg/kg)</b>	NR	NR	NR	NR	NR	NR
<b>pH</b>	5.2 J	5.8 J	6.1 J	6.1 J	5.7 J	6.4 J
<b>DILUTION FACTOR (for TCO):</b>	1.0	1.0	1.0	1.0	1.0	1.0
<b>DATE SAMPLED:</b>	11/19/97	11/17/97	11/14/97	11/12/97	11/12/97	11/18/97
<b>DATE TCO ANALYZED:</b>	12/22/97	12/15/97	12/15/97	12/15/97	12/15/97	12/22/97

**NOTES:**

RL - Reporting Limit  
TCO - Total Combustible Organics

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- UJ - Sample-specific detection limit is approximate due to limitations identified in the quality control review
- NR - Not required to be reported

SITE: Wells G&H (Operable Unit 3)  
CASE NO.: 0049M

**DATA SUMMARY TABLES**  
Delivery of Analytical Services for  
Total Combustible Organics/Total Organic Carbon  
Sediment Matrix

<b>M&amp;E SAMPLE ID:</b>		SED-17-EB
<b>DAS SAMPLE NUMBER:</b>		DAM344
<b>REMARKS:</b>		Eq. Blank
<b>ANALYTE</b>	<b>RL</b>	
Percent Moisture (%)	0.01	NR
Percent Solids - Wet (%)	0.01	NR
Percent Solids - Dry (%)	0.01	NR
Total Combustible Organics (mg/kg)	2000	NR
Total Organic Carbon (mg/kg)		NR
pH	--	6.3 J
<b>DILUTION FACTOR (for TCO):</b>		----
<b>DATE SAMPLED:</b>		11/17/97
<b>DATE TCO ANALYZED:</b>		----

**NOTES:**

RL - Reporting Limit  
TCO - Total Combustible Organics

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- NR - Not required to be reported

**Grain Size -- Sieve Analysis**

SITE: Wells G&H (Operable Unit 3)  
CASE NO.: 0049M

**DATA SUMMARY TABLES**  
**Delivery of Analytical Services for**  
**Grain Size Analysis (Sieve by D422-63)**  
**Sediment Matrix**  
**(% Retained)**

M&E SAMPLE ID: AS SAMPLE NUMBER: REMARKS:	SED-01-06 DAM322 -----	SED-01-07 DAM323 -----	SED-02-01 DAM326 -----	SED-02-02 DAM327 -----	SED-03-02 DAM325 -----	SED-04-02 DAM333 -----
<b>Sieve Analysis</b>						
<b>Particle Size</b>						
3 inch > 75 mm	0.0	0.0	0.0	0.0	0.0	0.0
2 inch 50 - 75 mm	0.0	0.0	0.0	0.0	0.0	0.0
1 inch 37.5 - 50 mm	0.0	0.0	0.0	0.0	0.0	0.0
1.5 inch 25 - 37.5 mm	0.0	0.0	0.0	0.0	0.0	0.0
3/4 inch 19 - 25 mm	0.0	0.0	0.0	0.0	0.0	0.0
3/8 inch 9.75 - 19 mm	0.0	0.0	0.0	0.0	0.0	0.0
#4 4.75 - 9.75 mm	0.0	0.0	0.2	0.0	0.0	0.2
#10 2.00 - 4.75 mm	0.1	0.1	3.2	0.4	0.8	1.3
#20 0.850 - 2.00 mm	3.8	2.5	15.3	2.5	10.3	3.1
#40 0.425 - 0.850 mm	6.7	4.8	32.0	6.9	25.4	5.8
#60 0.250 - 0.425 mm	8.8	6.7	46.5	11.4	33.1	8.5
#100 0.150 - 0.250 mm	12.0	9.0	59.9	15.6	37.2	11.9
#200 0.075 - 0.150 mm	21.5	20.2	74.5	25.3	42.1	18.0
<b>TOTAL SAMPLE WEIGHT (g):</b>	64.66	64.05	87.95	68.21	78.81	69.37
<b>DATE SAMPLED:</b>	11/12/97	11/12/97	11/13/97	11/13/97	11/13/97	11/14/97

SITE: Wells G&H (Operable Unit 3)  
CASE NO.: 0049M

**DATA SUMMARY TABLES**  
**Delivery of Analytical Services for**  
**Grain Size Analysis (Sieve by D422-63)**  
**Sediment Matrix**  
**(% Retained)**

M&E SAMPLE ID:		SED-04-03	SED-05-03	SED-05-05	SED-06-03	SED-07-02	SED-07-05
AS SAMPLE NUMBER:		DAM334	DAM328	DAM331	DAM345	DAM359	DAM360
REMARKS:		----	FD of SED-05-05	FD of SED-05-03	-----	-----	-----
<u>Sieve Analysis</u>	<u>Particle Size</u>						
3 inch	> 75 mm	0.0	0.0	0.0	0.0	0.0	0.0
2 inch	50 - 75 mm	0.0	0.0	0.0	0.0	0.0	0.0
1 inch	37.5 - 50 mm	0.0	0.0	0.0	0.0	0.0	0.0
1.5 inch	25 - 37.5 mm	0.0	0.0	0.0	0.0	0.0	0.0
3/4 inch	19 - 25 mm	0.0	0.0	0.0	0.0	0.0	0.0
3/8 inch	9.75 - 19 mm	0.0	0.5	0.0	0.0	0.0	0.0
#4	4.75 - 9.75 mm	0.0	6.9	5.3	0.0	0.0	0.0
#10	2.00 - 4.75 mm	0.4	19.2	17.6	0.0	0.0	0.0
#20	0.850 - 2.00 mm	1.7	38.3	36.8	0.9	0.3	0.3
#40	0.425 - 0.850 mm	4.1	57.8	58.2	3.3	1.6	1.9
#60	0.250 - 0.425 mm	5.3	70.5	72.5	8.8	3.7	4.4
#100	0.150 - 0.250 mm	9.0	78.6	80.0	18.4	6.8	7.5
#200	0.075 - 0.150 mm	16.3	85.4	86.8	30.8	24.7	19.3
TOTAL SAMPLE WEIGHT (g):		73.58	286.74	283.49	144.76	178.21	164.48
DATE SAMPLED:		11/14/97	11/13/97	11/14/97	11/18/97	11/20/97	11/20/97

SITE: Wells G&H (Operable Unit 3)  
CASE NO.: 0049M

**DATA SUMMARY TABLES**  
**Delivery of Analytical Services for**  
**Grain Size Analysis (Sieve by D422-63)**  
**Sediment Matrix**  
**(% Retained)**

<b>M&amp;E SAMPLE ID:</b>		<b>SED-07-10</b>	<b>SED-10-01</b>	<b>SED-10-02</b>	<b>SED-10-04</b>	<b>SED-11-01</b>	<b>SED-12-01</b>
<b>AS SAMPLE NUMBER:</b>		DAM353	DAM351	DAM352	DAM355	DAM336	DAM357
<b>REMARKS:</b>		-----	FD of SED-10-04	-----	FD of SED-10-01	-----	-----
<b>Sieve Analysis</b>	<b>Particle Size</b>						
3 inch	> 75 mm	0.0	0.0	0.0	0.0	0.0	0.0
2 inch	50 - 75 mm	0.0	0.0	0.0	0.0	0.0	0.0
1 inch	37.5 - 50 mm	0.0	0.0	0.0	0.0	0.0	0.0
1.5 inch	25 - 37.5 mm	0.0	0.0	0.0	0.0	0.0	0.0
3/4 inch	19 - 25 mm	0.0	0.0	0.0	0.0	0.0	0.0
3/8 inch	9.75 - 19 mm	0.0	0.0	0.0	0.0	0.0	0.0
#4	4.75 - 9.75 mm	0.0	0.0	0.0	0.0	0.0	0.0
#10	2.00 - 4.75 mm	0.0	0.3	0.0	0.1	0.7	0.0
#20	0.850 - 2.00 mm	0.3	3.4	1.2	1.5	4.6	3.7
#40	0.425 - 0.850 mm	3.2	12.4	4.8	14.6	12.5	11.7
#60	0.250 - 0.425 mm	7.8	22.0	9.6	26.7	24.0	19.9
#100	0.150 - 0.250 mm	13.8	32.3	14.4	35.3	39.8	28.0
#200	0.075 - 0.150 mm	35.6	45.7	22.5	49.1	53.2	38.7
<b>TOTAL SAMPLE WEIGHT (g):</b>		189.51	83.49	105.70	80.43	66.49	89.23
<b>DATE SAMPLED:</b>		11/19/97	11/19/97	11/19/97	11/19/97	11/14/97	11/19/97

SITE: Wells G&H (Operable Unit 3)  
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**DATA SUMMARY TABLES**  
**Delivery of Analytical Services for**  
**Grain Size Analysis (Sieve by D422-63)**  
**Sediment Matrix**  
**(% Retained)**

M&E SAMPLE ID:	SED-12-03	SED-13-01	SED-13-03	SED-15-01	SED-18-02	SED-18-03
AS SAMPLE NUMBER:	DAM358	DAM341	DAM342	DAM340	DAM347	DAM348
REMARKS:	-----	-----	-----	-----	-----	-----
<u>Sieve Analysis</u>						
	<u>Particle Size</u>					
3 inch	> 75 mm	0.0	0.0	0.0	0.0	0.0
2 inch	50 - 75 mm	0.0	0.0	0.0	0.0	0.0
1 inch	37.5 - 50 mm	0.0	0.0	0.0	0.0	0.0
1.5 inch	25 - 37.5 mm	0.0	0.0	0.0	0.0	0.0
3/4 inch	19 - 25 mm	0.0	0.0	0.0	0.0	0.0
3/8 inch	9.75 - 19 mm	0.0	0.0	0.0	0.0	0.0
#4	4.75 - 9.75 mm	0.0	0.3	0.0	0.0	0.0
#10	2.00 - 4.75 mm	0.1	1.2	0.7	0.0	0.0
#20	0.850 - 2.00 mm	1.3	8.3	4.0	2.3	1.6
#40	0.425 - 0.850 mm	5.5	16.5	8.0	20.7	6.2
#60	0.250 - 0.425 mm	12.5	26.3	13.8	35.0	11.7
#100	0.150 - 0.250 mm	23.4	40.4	21.0	44.8	19.7
#200	0.075 - 0.150 mm	43.1	62.6	29.4	52.5	31.5
TOTAL SAMPLE WEIGHT (g):	210.74	89.92	65.19	99.27	89.25	99.50
DATE SAMPLED:	11/20/97	11/17/97	11/17/97	11/17/97	11/18/97	11/18/97

SITE: Wells G&H (Operable Unit 3)  
CASE NO.: 0049M

**DATA SUMMARY TABLES**  
Delivery of Analytical Services for  
Grain Size Analysis (Sieve by D422-63)  
Sediment Matrix  
(% Retained)

M&E SAMPLE ID:		SED-19-01	SED-20-01	SED-21-01	SED-22-02	SED-24-03	SED-25-02
AS SAMPLE NUMBER:		DAM354	DAM339	DAM335	DAM321	DAM320	DAM346
REMARKS:		-----	-----	-----	-----	-----	-----
<u>Sieve Analysis</u>	<u>Particle Size</u>						
3 inch	> 75 mm	0.0	0.0	0.0	0.0	0.0	0.0
2 inch	50 - 75 mm	0.0	0.0	0.0	0.0	0.0	0.0
1 inch	37.5 - 50 mm	0.0	0.0	0.0	0.0	0.0	0.0
1.5 inch	25 - 37.5 mm	0.0	0.0	0.0	0.0	0.0	0.0
3/4 inch	19 - 25 mm	0.0	0.0	0.0	0.0	0.0	0.0
3/8 inch	9.75 - 19 mm	0.0	0.0	0.0	0.0	0.0	0.0
#4	4.75 - 9.75 mm	0.0	0.0	0.0	0.0	1.3	0.3
#10	2.00 - 4.75 mm	0.3	0.0	0.5	0.6	1.9	3.4
#20	0.850 - 2.00 mm	4.7	3.2	3.4	11.6	5.1	9.7
#40	0.425 - 0.850 mm	17.3	13.3	10.0	19.6	9.6	20.3
#60	0.250 - 0.425 mm	27.7	24.3	17.4	23.5	18.0	35.6
#100	0.150 - 0.250 mm	34.8	32.5	23.9	26.3	33.1	57.5
#200	0.075 - 0.150 mm	41.8	41.5	33.3	36.7	50.2	80.0
TOTAL SAMPLE WEIGHT (g):		89.81	68.49	72.09	69.74	94.33	194.64
DATE SAMPLED:		11/19/97	11/17/97	11/14/97	11/12/97	11/12/97	11/18/97

**Grain Size -- Hydrometer Analysis**

SITE: Wells G&H (Operable Unit 3)  
CASE NO.: 0049M

**DATA SUMMARY TABLES**  
Delivery of Analytical Services for  
Grain Size Analysis (Hydrometer by D422-63)  
Sediment Matrix  
(% Finer)

M&E SAMPLE ID: DAS SAMPLE NUMBER: REMARKS:	SED-01-06 DAM322 -----	SED-01-07 DAM323 -----	SED-02-01 DAM326 -----	SED-02-02 DAM327 -----	SED-03-02 DAM325 -----
<b>Hydrometer Analysis</b>	<u>Diam (mm)</u> <u>% Finer</u>				
2 Minutes	0.0442   41.218	0.0455   32.025	0.0400   16.390	0.0465   39.055	0.0454   24.979
5 Minutes	0.0290   29.786	0.0293   25.620	0.0254   14.341	0.0300   32.163	0.0291   21.136
15 Minutes	0.0169   25.189	0.0173   17.080	0.0149   8.195	0.0177   22.974	0.0170   17.293
30 Minutes	0.0125   9.160	0.0123   14.945	0.0107   2.049	0.0128   16.082	0.0122   11.529
60 Minutes	0.0089   4.580	0.0088   12.810	0.0077   0.000	0.0091   11.487	0.0087   7.686
60 Minutes	0.0044   4.580	0.0044   6.405	0.0037   0.000	0.0045   6.892	0.0043   3.843
1440 Minutes	0.0018   4.580	0.0018   4.270	0.0016   0.000	0.0019   4.595	0.0018   1.921
<b>SPECIFIC GRAVITY (&lt; 0.075 mm):</b>	1.94	1.94	2.31	1.88	1.99
<b>HYDROMETER SAMPLE WEIGHT (g):</b>	50.19	53.83	50.54	50.30	58.87
<b>DATE SAMPLED:</b>	11/12/97	11/12/97	11/13/97	11/13/97	11/13/97

SITE: Wells G&H (Operable Unit 3)  
CASE NO.: 0049M

**DATA SUMMARY TABLES**  
**Delivery of Analytical Services for**  
**Grain Size Analysis (Hydrometer by D422-63)**  
**Sediment Matrix**  
**(% Finer)**

M&E SAMPLE ID: DAS SAMPLE NUMBER: REMARKS:	SED-04-02 DAM333 -----	SED-04-03 DAM334 -----	SED-05-03 DAM328 FD of SED-05-05	SED-05-05 DAM331 FD of SED-05-03	SED-06-03 DAM345 -----
<b>Hydrometer Analysis</b>	<b>Diam (mm) % Finer</b>	<b>Diam (mm) % Finer</b>	<b>Diam (mm) % Finer</b>	<b>Diam (mm) % Finer</b>	<b>Diam (mm) % Finer</b>
2 Minutes	0.0437 77.207	0.0575 81.169	0.0412 6.900 J	0.0406 15.868 J	0.0330 48.058
5 Minutes	0.0281 73.143	0.0380 69.573	0.0263 5.175 J	0.0264 7.053 J	0.0214 40.369
15 Minutes	0.0172 58.921	0.0233 51.020	0.0153 1.725 J	0.0154 5.289 J	0.0130 24.990
30 Minutes	0.0126 48.762	0.0170 39.425	0.0108 1.725 J	0.0109 5.289 J	0.0093 23.068
60 Minutes	0.0093 36.572	0.0122 32.467	0.0077 1.725 J	0.0077 5.289 J	0.0066 19.223
60 Minutes	0.0049 14.222	0.0062 16.234	0.0038 0.000 J	0.0038 1.763 J	0.0033 11.534
1440 Minutes	0.0021 8.127	0.0027 6.957	0.0016 0.000 J	0.0016 1.763 J	0.0014 5.767
<b>SPECIFIC GRAVITY (&lt;0.075 mm):</b>	1.73	1.45	2.29	2.30	2.61
<b>HYDROMETER SAMPLE WEIGHT (g):</b>	57.81	53.28	50.60	50.49	51.50
<b>DATE SAMPLED:</b>	11/14/97	11/14/97	11/13/97	11/14/97	11/18/97

SITE: Wells G&H (Operable Unit 3)  
CASE NO.: 0049M

**DATA SUMMARY TABLES**  
**Delivery of Analytical Services for**  
**Grain Size Analysis (Hydrometer by D422-63)**  
**Sediment Matrix**  
**(% Finer)**

M&E SAMPLE ID: DAS SAMPLE NUMBER: REMARKS:	SED-07-02 DAM359 -----	SED-07-05 DAM360 -----	SED-07-10 DAM353 -----	SED-10-01 DAM351 FD of SED-10-04	SED-10-02 DAM352 -----
<b>Hydrometer Analysis</b>	<u>Diam (mm)</u> <u>% Finer</u>	<u>Diam (mm)</u> <u>% Finer</u>			
2 Minutes	0.0434 41.991	0.0327 54.704	0.0335 31.130	0.0375 41.949	0.0559 59.921
5 Minutes	0.0278 37.571	0.0219 39.074	0.0213 29.298	0.0241 37.754	0.0363 50.334
15 Minutes	0.0165 26.521	0.0130 31.259	0.0127 20.143	0.0141 33.559	0.0213 45.540
30 Minutes	0.0118 24.311	0.0094 23.445	0.0091 16.480	0.0102 25.169	0.0152 40.747
60 Minutes	0.0085 17.680	0.0068 19.537	0.0065 14.649	0.0073 20.974	0.0110 33.556
60 Minutes	0.0042 11.050	0.0034 11.722	0.0032 9.156	0.0037 12.585	0.0055 21.572
1440 Minutes	0.0018 6.630	0.0014 7.815	0.0014 5.493	0.0016 6.292	0.0024 11.984
<b>SPECIFIC GRAVITY (&lt;0.075 mm):</b>	2.01	2.53	2.74	2.31	1.56
<b>HYDROMETER SAMPLE WEIGHT (g):</b>	51.13	52.72	51.88	50.88	50.90
<b>DATE SAMPLED:</b>	11/20/97	11/20/97	11/19/97	11/19/97	11/19/97

SITE: Wells G&H (Operable Unit 3)  
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**DATA SUMMARY TABLES**  
Delivery of Analytical Services for  
**Grain Size Analysis (Hydrometer by D422-63)**  
Sediment Matrix  
(% Finer)

M&E SAMPLE ID:	SED-10-04	SED-11-01	SED-12-01	SED-12-03	SED-13-01
DAS SAMPLE NUMBER:	DAM355	DAM336	DAM357	DAM358	DAM341
REMARKS:	FD of SED-10-01	-----	-----	-----	-----
<b>Hydrometer Analysis</b>	<u>Diam (mm)</u> <u>% Finer</u>				
2 Minutes	0.0482 41.345	0.0447 45.533	0.0363 48.701	0.0390 49.170	0.0589 35.801
5 Minutes	0.0308 36.751	0.0292 35.184	0.0234 42.613	0.0252 42.757	0.0385 22.376
15 Minutes	0.0183 25.267	0.0173 26.906	0.0139 34.496	0.0150 34.205	0.0226 15.663
30 Minutes	0.0131 22.970	0.0123 24.836	0.0100 28.409	0.0107 27.792	0.0161 13.426
60 Minutes	0.0093 18.376	0.0089 18.627	0.0072 22.321	0.0077 23.516	0.0115 11.188
60 Minutes	0.0047 11.485	0.0045 8.279	0.0036 14.204	0.0039 14.965	0.0057 6.713
1440 Minutes	0.0020 6.891	0.0019 4.139	0.0015 8.117	0.0016 8.551	0.0024 4.475
<b>SPECIFIC GRAVITY (&lt;0.075 mm):</b>	1.82	1.90	2.34	2.18	1.57
<b>HYDROMETER SAMPLE WEIGHT (g):</b>	50.88	55.66	52.73	51.40	53.85
<b>DATE SAMPLED:</b>	11/19/97	11/14/97	11/19/97	11/20/97	11/17/97

SITE: Wells G&H (Operable Unit 3)  
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**DATA SUMMARY TABLES**  
**Delivery of Analytical Services for**  
**Grain Size Analysis (Hydrometer by D422-63)**  
**Sediment Matrix**  
**(% Finer)**

M&E SAMPLE ID:	SED-13-03	SED-15-01	SED-18-02	SED-18-03	SED-19-01					
DAS SAMPLE NUMBER:	DAM342	DAM340	DAM347	DAM348	DAM354					
REMARKS:	----	----	----	----	----					
<b>Hydrometer Analysis</b>	<u>Diam (mm)</u>	<u>% Finer</u>								
2 Minutes	0.0304	48.381	0.0535	38.125	0.0395	54.604	0.0414	62.387	0.0545	49.525
5 Minutes	0.0199	40.040	0.0344	30.977	0.0258	43.684	0.0266	58.228	0.0350	44.809
15 Minutes	0.0119	31.698	0.0204	21.446	0.0152	37.131	0.0159	47.830	0.0203	42.450
30 Minutes	0.0087	25.025	0.0145	19.063	0.0110	28.394	0.0116	39.512	0.0148	33.017
60 Minutes	0.0062	20.020	0.0104	14.297	0.0078	26.210	0.0084	33.273	0.0105	30.659
60 Minutes	0.0032	10.010	0.0052	7.149	0.0039	17.473	0.0043	18.716	0.0053	18.867
1440 Minutes	0.0013	6.673	0.0022	7.149	0.0017	10.921	0.0018	10.398	0.0023	9.433
<b>SPECIFIC GRAVITY (&lt;0.075 mm):</b>	2.76	1.69	2.12	1.93	1.62					
<b>HYDROMETER SAMPLE WEIGHT (g):</b>	55.36	50.36	50.82	55.30	51.17					
<b>DATE SAMPLED:</b>	11/17/97	11/17/97	11/18/97	11/18/97	11/19/97					

SITE: Wells G&H (Operable Unit 3)  
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**DATA SUMMARY TABLES**  
Delivery of Analytical Services for  
Grain Size Analysis (Hydrometer by D422-63)  
Sediment Matrix  
(% Finer)

M&E SAMPLE ID: DAS SAMPLE NUMBER: REMARKS:	SED-20-01 DAM339 -----	SED-21-01 DAM335 -----	SED-22-02 DAM321 -----	SED-24-03 DAM320 -----	SED-25-02 DAM346 -----
<b>Hydrometer Analysis</b>	<u>Diam (mm)</u> <u>% Finer</u>				
2 Minutes	0.0632   56.044	0.0654   70.334	0.0662   51.874	0.0428   28.468	0.0390   13.814
5 Minutes	0.0409   49.578	0.0423   63.058	0.0431   41.994	0.0278   19.708	0.0250   9.867
15 Minutes	0.0251   28.022	0.0253   50.931	0.0264   17.291	0.0165   8.759	0.0146   5.920
30 Minutes	0.0180   23.711	0.0186   36.380	0.0188   14.821	0.0117   6.569	0.0103   5.920
60 Minutes	0.0129   19.400	0.0135   26.678	0.0135   7.411	0.0083   4.380	0.0073   5.920
60 Minutes	0.0065   10.778	0.0068   14.552	0.0066   7.411	0.0041   2.190	0.0036   3.947
1440 Minutes	0.0027   8.622	0.0029   7.276	0.0028   2.470	0.0017   0.000	0.0015   1.973
<b>SPECIFIC GRAVITY (&lt;0.075 mm):</b>	1.43	1.38	1.42	2.09	2.44
<b>HYDROMETER SAMPLE WEIGHT (g):</b>	57.99	51.70	50.32	50.17	51.39
<b>DATE SAMPLED:</b>	11/17/97	11/14/97	11/12/97	11/12/97	11/18/97