BAS

BRYAN A. STIRRAT & ASSOCIATES

CHAIN OF CUSTODY

EB11260

PROJECT INFORMATION

PROJECT NAME: Gregory Canyon

JOB NUMBER:

PROJECT MANAGER: Greg Acosta

LABORATORY: Southland Tech. Services, Inc

SHIPMENT METHOD: Lab Courier

TURNAROUND TIME:

DISPOSAL: Lab Disposal [ ] Return [ ] Pick Up [ ]

BAS Sample I.D.	LAB I.D.	DATE	TIME	MATRIX	NUMBER OF CONTAINERS	CHLORIDE, SULFATE, NITRATE (N), TDS	Metals (Ca, Mg, Na)	CAM METALS (FULL 17 COC SUITE (EXCLUDING MO) + TIN	8260 (VOC'S) INCLUDING ISOBUTYL ALCOHOL	8270 (SVOC'S INCLUDING PHENOLS	Cyanide, SULFIDE	8150 (CHLORINATED HERBICIDES)	8080 (ORGANOCHLORINE PESTICIDES & PCB'S
GLA-5	EB1260-1	12-11-01	1330	GW	9	X	X	X	X	X	X	X	X
GLA-DUP	-2	↓	—	GW	4	X	X		X				
EQUIP. BLANK	-3	↓	—	W	1				X				
FIELD BLANK	-4	↓	—	↓	1				X				
TRIP BLANK	-5	↓	—	↓	1				X				

Ricardo Ramirez 12-11-01 1530 [signature] 12/12/01

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

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

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

SAMPLE CONDITION (Lab Initials)

Shipping Container:

Sealed _____

Sample(s):

Integrity _____

Chilled _____

Sealed _____

COMMENTS:

1360 Valley Vista Drive, Diamond Bar, CA 91765 (909) 860-7777 FAX (909) 860-8017

Original to accompany lab report Copy 1 – Lab Copy 2 – Originator

Southland Technical Services, Inc.
Environmental Laboratories

7801 Telegraph Road, Suite L
Montebello, CA 90640

Phone (323) 888-0728
Fax (323) 888-1509

GENERAL MINERAL ANALYSIS

Client Name	: *BAS/Gregory Canyon*		Date Sampled	:	12/11/2001
Matrix	: Groundwater		Date Received	:	12/12/2001
Client ID	: GLA-5		Date Analyzed	:	12/12-17/2001
STS I.D.	: EB11260-01		Date Reported	:	12/26/2001

Sample Analysis	EPA Method	Unit	MDL	PQL	Result
Nitrate, Nitrogen	353.3	mg/L	0.01	0.05	**1.94**
Cyanide	335.2	mg/L	0.02	0.1	**ND**
Sulfide	376.1	mg/L	0.1	0.5	**ND**
Chloride	325.3	mg/L	0.05	0.1	**147**
Sulfate	375.4	mg/L	1.0	2	**203**
Total Dissolved Solid	160.1	mg/L	2	10	**1650**

Key: ND = Not Detected MDL = Method Detection Limit PQL = Practical Quantitation Limit

NA = Sample was not analyzed for this parameter during the specified sampling round.

J = Trace concentration was between MDL and PQL

Southland Technical Services, Inc.

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GENERAL MINERAL ANALYSIS

Client Name	: *BAS/Gregory Canyon*		**Date Sampled**	:	12/11/2001
Matrix	: Groundwater		**Date Received**	:	12/12/2001
Client ID	: GLA-5Duplicate		**Date Analyzed**	:	12/12-17/2001
STS I.D.	: EB11260-02		**Date Reported**	:	12/26/2001

Sample Analysis	EPA Method	Unit	MDL	PQL	Result
Nitrate, Nitrogen	353.3	mg/L	0.01	0.05	**1.76**
Cyanide	335.2	mg/L	0.02	0.1	**ND**
Sulfide	376.1	mg/L	0.1	0.5	**ND**
Chloride	325.3	mg/L	0.05	0.1	**150**
Sulfate	375.4	mg/L	1.0	2	**179**
Total Dissolved Solid	160.1	mg/L	2	10	**1575**

Key: ND = Not Detected MDL = Method Detection Limit PQL = Practical Quantitation Limit

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METAL ANALYSIS

Client Name	: *BAS/Gregory Canyon*		**Date Sampled**	:	12/11/2001
Matrix	: Groundwater		**Date Received**	:	12/12/2001
Client ID	: GLA-5Dup		**Date Analyzed**	:	12/17-22/01
STS I.D.	: EB11260-02		**Date Reported**	:	12/28/2001

Sample Analysis	EPA Method	Unit	MDL	PQL	Result
Ca	7140	mg/L	0.1	1	**17.0**
Mg	7450	mg/L	0.10	0.1	**68**
Na	7770	mg/L	0.1	1	**158**

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METAL ANALYSIS

Client Name	:	*BAS/Gregory Canyon*	Date Sampled	:	12/11/2001
Matrix	:	Groundwater	Date Received	:	12/12/2001
Client ID	:	GLA-5	Date Analyzed	:	12/17-22/01
STS I.D.	:	EB11260-01	Date Reported	:	12/28/2001

Sample Analysis	EPA Method	Unit	MDL	PQL	Result
Sb	7040	mg/L	0.01	0.02	ND
As	7060	mg/L	0.005	0.01	ND
Ba	7081	mg/L	0.005	0.01	ND
Be	7090	mg/L	0.002	0.005	ND
Cd	7150	mg/L	0.04	0.05	ND
Cr	7190	mg/L	0.02	0.05	ND
Sn	7870	mg/L	0.05	0.05	ND
Cu	7210	mg/L	0.005	0.01	ND
Pb	7421	mg/L	0.002	0.005	ND
Hg	7450	mg/L	0.001	0.002	ND
Ni	7520	mg/L	0.04	0.05	ND
Se	7740	mg/L	0.005	0.01	ND
Ag	7760	mg/L	0.005	0.01	ND
Tl	7840	mg/L	0.01	0.02	ND
V	7911	mg/L	0.02	0.05	ND
Zn	7950	mg/L	0.01	0.02	ND
Ca	7140	mg/L	0.1	1	**19.1**
Mg	7450	mg/L	0.10	0.1	**74**
Na	7770	mg/L	0.1	1	**165**

Key: ND = Not Detected MDL = Method Detection Limit PQL = Practical Quantitation Limit
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LABORATORY ANALYSIS

Client Name : **BAS/Gregory Canyon**
Type : **Grab**
Matrix : **water**
Unit **ug / l**

Date sampled : **12/11/2001**
Date received : **12/12/2001**
Date analyzed : **12/17/2001**
Date reported : **1/2/2002**

ORGANOCHLORINE PESTICIDES AND PCBS by EPA 8080

Client ID	Method Blank	GLA-5	**MDL**	**PQL**
STS ID	121701Blk	EB1260-01		
Dilution Factor	1	1		
Alpha BHC	ND	ND	0.37	1.0
Beta BHC	ND	ND	0.25	1.0
Gamma BHC	ND	ND	0.36	1.0
Delta BHC	ND	ND	0.92	1.0
Heptachlor	ND	ND	0.59	1.0
Aldrin	ND	ND	0.36	1.0
Heptachlor Epoxide	ND	ND	0.28	1.0
Endosulfan I	ND	ND	0.22	1.0
Dieldrin	ND	ND	0.30	1.0
DDE	ND	ND	0.31	1.0
Endrin	ND	ND	0.16	1.0
Endosulfan II	ND	ND	0.31	1.0
Endrin Aldehyde	ND	ND	0.40	1.0
DDD	ND	ND	0.38	1.0
Endosulfan Sulfate	ND	ND	0.31	1.0
DDT	ND	ND	0.33	1.0
Methoxychlor	ND	ND	0.54	1.0
Endrin Ketone	ND	ND	0.50	1.0
Aroclor 1016	ND	ND	0.65	6.5
Aroclor 1221	ND	ND	1.30	6.5
Aroclor 1232	ND	ND	0.65	6.5
Aroclor 1242	ND	ND	0.65	6.5
Aroclor 1248	ND	ND	0.65	6.5
Aroclor 1254	ND	ND	0.65	6.5
Aroclor 1260	ND	ND	0.65	6.5
Chlordane	ND	ND	0.14	1.4
Toxaphene	ND	ND	2.4	8.0
Surrogate	**Surrogate % Recovery**		**APR**	
Tetrachloro-m-xylene	90	100	70-125	
Decachlorobiphenyl	92	106	70-125	

Key: M.B.=Method Blank, **ND**=Not Detected, **MDL** = Method Detection Limit, **PQL** = Pratical Quantitation Limit.

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LABORATORY ANALYSIS

Client Name : **BAS / Gregory Canyon**
Type : **Grab**
Matrix : **Soil**
Unit: **ug/L**

Date sampled : **12/11/2001**
Date received : **12/12/2001**
Date analyzed : **12/17/2001**
Date reported : **1/2/2002**

EPA 8080 Matrix Spike Recovery

Compound	Sample onc µg/k	Spike Added µg/kg	Spike Res µg/k	Dup Res µg/kg	Spike %Rec	Dup %Rec	RPD %	QC Limit RPD	QC Limit % Rec
Gamma BHC	0	20	46	48	230	240	4	20	46-127
Heptachlor	0	20	46	47	230	235	2	20	31-134
Aldrin	0	20	44	47	220	235	7	20	36-132
Dieldrin	0	20	40	42	200	210	5	20	21-134
Endrin	0	20	34	32	170	160	6	20	42-139
4, 4'-DDT	0	20	44	38	220	190	15	20	21-134

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LABORATORY ANALYSIS

Client Name :BAS
Sample Site Gregory Canyon
Matrix :Groundwater
Unit : ug/L

Date sampled: 12/11/01
Date received: 12/12/01
Date analyzed:12/21/01
Date reported :01/02/02

ORGANOCHLORINE HERBICIDES BY EPA 8150

Client ID	M. B.	GLA-5		
Lab's ID	MB122101	EB1260-01	MDL	DLR
Dalapon	ND	ND	5.1	51
Dicamba	ND	ND	0.27	2.7
MCPP	ND	ND	192	1920
MCPA	ND	ND	249	2490
Dichlorprop	ND	ND	0.65	6.5
2,4-D	ND	ND	1.2	12
Dinoseb	ND	ND	0.07	0.7
2,4,5-TP	ND	ND	0.17	1.7
2,4,5-T	ND	ND	0.20	2
2,4-DB	ND	ND	0.91	9.1
Surrogate	**Surrogate % Recovery**		**Accept. % Rec.**	
2,4-Dichlorophenylacetic acid	69	86	50-125	

Key: M.B.=Method Blank, **ND**=Not Detected, **MDL** = Method Detection Limit, **PQL** = Pratical Quantitation Limit.
J = Trace Conc. Between MDL and PQL

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LABORATORY ANALYSIS

Client Name : BAS/Gregory Canyon
Sample Type : Grab
Matrix : Groundwater
Unit : µg/L

Date Sampled : 12/11/01
Date Received : 12/12/01
Data Analysis : 12/12/01
Date Reported : 12/26/01

VOLATILE ORGANICS BY EPA 8260B (GC/MS)

Client ID	Method Blank	GLA-5	GLA Dup	**MDL**	**PQL**
STS Lab ID	1212BLK	EB1260-01	EB1260-02		
Dilution Factor	1	1	1		
Dichlorodifluoromethane	ND	ND	ND	0.54	1.0
Chloromethane	ND	ND	ND	0.34	0.5
Vinyl chloride	ND	ND	ND	0.39	0.5
Bromomethane	ND	ND	ND	0.46	0.5
Chloroethane	ND	ND	ND	0.40	1.0
Trichlorofluoromethane	ND	ND	ND	0.33	0.5
1,1-Dichloroethene	ND	ND	ND	0.43	0.5
Methylene chloride	ND	ND	ND	0.91	1.0
trans-1,2-Dichloroethene	ND	ND	ND	0.52	1.0
1,1-Dichloroethane	ND	ND	ND	0.33	0.5
2,2-Dichloropropane	ND	ND	ND	0.66	1.0
cis-1,2-Dichloroethene	ND	ND	ND	0.82	0.5
MTBE	ND	ND	ND	0.30	0.5
Chloroform	ND	ND	ND	0.28	1.0
Bromochloromethane	ND	ND	ND	0.34	0.5
1,1,1-Trichloroethane	ND	ND	ND	0.29	0.5
1,1-Dichloropropene	ND	ND	ND	0.37	0.5
Carbon tetrachloride	ND	ND	ND	0.30	0.5
1,2-Dichloroethane	ND	ND	ND	0.33	0.5
Benzene	ND	ND	ND	0.25	0.5
Trichloroethene	ND	ND	ND	0.45	0.5
1,2-Dichloropropane	ND	ND	ND	0.29	0.5
Bromodichloromethane	ND	ND	ND	0.32	0.5
Dibromomethane	ND	ND	ND	0.41	0.5
cis-1,3-Dichloropropene	ND	ND	ND	0.34	0.5
Toluene	ND	ND	ND	0.24	0.5
trans-1,3-Dichloropropene	ND	ND	ND	0.37	0.5
1,1,2-Trichloroethane	ND	ND	ND	0.38	0.5
1,3-Dichloropropane	ND	ND	ND	0.38	0.5
Tetrachloroethene	ND	ND	ND	0.25	0.5
Dibromochloromethane	ND	ND	ND	0.29	0.5
1,2-Dibromoethane	ND	ND	ND	0.27	0.5
Chlorobenzene	ND	ND	ND	0.20	0.5

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Client Name : BAS/Gregory Canyon **Date Sampled : 12/11/01**

Volatile Organics Analysis (continued)

Client ID	Method Blank	GLA-5	GLA Dup	MDL	PQL
1,1,1,2-Tetrachloroethane	ND	ND	ND	0.20	0.5
Ethylbenzene	ND	ND	ND	0.24	0.5
p + m-Xylene	ND	ND	ND	0.60	1.0
o-Xylene	ND	ND	ND	0.23	0.5
Styrene	ND	ND	ND	0.31	0.5
Isopropylbenzene	ND	ND	ND	0.25	0.5
Bromoform	ND	ND	ND	0.27	0.5
1,1,2,2-Tetrachloroethane	ND	ND	ND	0.22	0.5
1,2,3-Trichloropropane	ND	ND	ND	0.43	1.0
n-Propylbenzene	ND	ND	ND	0.28	1.0
Bromobenzene	ND	ND	ND	0.23	0.5
1,3,5-Trimethylbenzene	ND	ND	ND	0.34	1.0
2-Chlorotoluene	ND	ND	ND	0.31	1.0
4-Chlorotoluene	ND	ND	ND	0.28	1.0
tert-Butylbenzene	ND	ND	ND	0.63	1.0
1,2,4-Trimethylbenzene	ND	ND	ND	0.30	1.0
sec-Butylbenzene	ND	ND	ND	0.31	1.0
4-Isopropyltoluene	ND	ND	ND	0.38	1.0
1,3-Dichlorobenzene	ND	ND	ND	0.21	1.0
1,4-Dichlorobenzene	ND	ND	ND	0.44	1.0
n-Butylbenzene	ND	ND	ND	0.37	1.0
1,2-Dichlorobenzene	ND	ND	ND	0.17	0.5
1,2-Dibromo-3-chloropropane	ND	ND	ND	0.95	1.0
1,2,4-Trichlorobenzene	ND	ND	ND	0.45	1.0
Hexachloro-1,3-butadiene	ND	ND	ND	0.38	1.0
Napthalene	ND	ND	ND	0.56	1.0
1,2,3-Trichlorobenzene	ND	ND	ND	0.36	0.5
System Monitoring Compounds	**Surrogate % Recovery**			**APR (%)**	
Dibromofluoromethane	109	100	97	80-120	
Toluene-d8	90	94	95	80-120	
4-Bromofluorobenzene	70	74	79	80-120	

Key: ND = Not Detected **MDL** = Method Detection Limit **PQL** = Practical Quantitation Limit **J** = Trace Conc. Between MDL and PQL

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LABORATORY ANALYSIS

Client Name : BAS/Gregory Canyon
Sample Type : Grab
Matrix : Groundwater
Unit : µg/L

Date Sampled : 12/11/01
Date Received : 12/12/01
Data Analysis : 12/12/01
Date Reported : 12/26/01

VOLATILE ORGANICS BY EPA 8260B (GC/MS)

Client ID	Method Blank	Equip Blk	Field Blk	Trip Blk		
STS Lab ID	1212BLK	EB1260-03	EB1260-04	EB1260-05	**MDL**	**PQL**
Dilution Factor	1	1	1	1		
Dichlorodifluoromethane	ND	ND	ND	ND	0.54	1.0
Chloromethane	ND	ND	ND	ND	0.34	0.5
Vinyl chloride	ND	ND	ND	ND	0.39	0.5
Bromomethane	ND	ND	ND	ND	0.46	0.5
Chloroethane	ND	ND	ND	ND	0.40	1.0
Trichlorofluoromethane	ND	ND	ND	ND	0.33	0.5
1,1-Dichloroethene	ND	ND	ND	ND	0.43	0.5
Methylene chloride	ND	ND	ND	ND	0.91	1.0
trans-1,2-Dichloroethene	ND	ND	ND	ND	0.52	1.0
1,1-Dichloroethane	ND	ND	ND	ND	0.33	0.5
2,2-Dichloropropane	ND	ND	ND	ND	0.66	1.0
cis-1,2-Dichloroethene	ND	ND	ND	ND	0.82	0.5
MTBE	ND	ND	ND	ND	0.30	0.5
Chloroform	ND	ND	ND	ND	0.28	1.0
Bromochloromethane	ND	ND	ND	ND	0.34	0.5
1,1,1-Trichloroethane	ND	ND	ND	ND	0.29	0.5
1,1-Dichloropropene	ND	ND	ND	ND	0.37	0.5
Carbon tetrachloride	ND	ND	ND	ND	0.30	0.5
1,2-Dichloroethane	ND	ND	ND	ND	0.33	0.5
Benzene	ND	ND	ND	ND	0.25	0.5
Trichloroethene	ND	ND	ND	ND	0.45	0.5
1,2-Dichloropropane	ND	ND	ND	ND	0.29	0.5
Bromodichloromethane	ND	ND	ND	ND	0.32	0.5
Dibromomethane	ND	ND	ND	ND	0.41	0.5
cis-1,3-Dichloropropene	ND	ND	ND	ND	0.34	0.5
Toluene	ND	ND	ND	ND	0.24	0.5
trans-1,3-Dichloropropene	ND	ND	ND	ND	0.37	0.5
1,1,2-Trichloroethane	ND	ND	ND	ND	0.38	0.5
1,3-Dichloropropane	ND	ND	ND	ND	0.38	0.5
Tetrachloroethene	ND	ND	ND	ND	0.25	0.5
Dibromochloromethane	ND	ND	ND	ND	0.29	0.5
1,2-Dibromoethane	ND	ND	ND	ND	0.27	0.5
Chlorobenzene	ND	ND	ND	ND	0.20	0.5

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Client Name : BAS/Gregory Canyon **Date Sampled : 12/11/01**

Volatile Organics Analysis (continued)

Client ID	Method Blank	Equip Blk	Field Blk	Trip Blk	MDL	PQL
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	0.20	0.5
Ethylbenzene	ND	ND	ND	ND	0.24	0.5
p + m-Xylene	ND	ND	ND	ND	0.60	1.0
o-Xylene	ND	ND	ND	ND	0.23	0.5
Styrene	ND	ND	ND	ND	0.31	0.5
Isopropylbenzene	ND	ND	ND	ND	0.25	0.5
Bromoform	ND	ND	ND	ND	0.27	0.5
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	0.22	0.5
1,2,3-Trichloropropane	ND	ND	ND	ND	0.43	1.0
n-Propylbenzene	ND	ND	ND	ND	0.28	1.0
Bromobenzene	ND	ND	ND	ND	0.23	0.5
1,3,5-Trimethylbenzene	ND	ND	ND	ND	0.34	1.0
2-Chlorotoluene	ND	ND	ND	ND	0.31	1.0
4-Chlorotoluene	ND	ND	ND	ND	0.28	1.0
tert-Butylbenzene	ND	ND	ND	ND	0.63	1.0
1,2,4-Trimethylbenzene	ND	ND	ND	ND	0.30	1.0
sec-Butylbenzene	ND	ND	ND	ND	0.31	1.0
4-Isopropyltoluene	ND	ND	ND	ND	0.38	1.0
1,3-Dichlorobenzene	ND	ND	ND	ND	0.21	1.0
1,4-Dichlorobenzene	ND	ND	ND	ND	0.44	1.0
n-Butylbenzene	ND	ND	ND	ND	0.37	1.0
1,2-Dichlorobenzene	ND	ND	ND	ND	0.17	0.5
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	0.95	1.0
1,2,4-Trichlorobenzene	ND	ND	ND	ND	0.45	1.0
Hexachloro-1,3-butadiene	ND	ND	ND	ND	0.38	1.0
Napthalene	ND	ND	ND	ND	0.56	1.0
1,2,3-Trichlorobenzene	ND	ND	ND	ND	0.36	0.5
System Monitoring Compounds	**Surrogate % Recovery**				**APR (%)**	
Dibromofluoromethane	109	106	125	120	80-120	
Toluene-d8	90	97	97	95	80-120	
4-Bromofluorobenzene	70	74	90	91	80-120	

Key: ND = Not Detected **MDL** = Method Detection Limit **PQL** = Practical Quantitation Limit **J** = Trace Conc. Between MDL and PQ

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LABORATORY ANALYSIS

Client Name : BAS/Gregory Canyon
Sample Type : Grab
Matrix : Water
Unit : μg/L

Date Sampled : 12/11/01
Date Received :12/12/01
Date Analyzed : 12/19/01
Date Reported : 01/02/02

SEMI-VOLATILE ORGANICS BY EPA 8270C (GC/MS)

Client ID	Method Blank	GLA-5			MDL	PQL
STS ID	121901Blk	EB1260-01				
Dilution Factor	1	1				
N-Nitrosodimethylamine	ND	ND			1.7	5
Phenol	ND	ND			0.39	10
bis(2-Chloroethyl)ether	ND	ND			0.45	5
2-Chlorophenol	ND	ND			0.32	10
1,3-Dichlorobenzene	ND	ND			0.88	5
1,4-Dichlorobenzene	ND	ND			1.0	5
Benzyl alcohol	ND	ND			1.4	10
1,2-Dichlorobenzene	ND	ND			0.95	5
2-Methylphenol	ND	ND			0.97	10
bis(2-Chloroisopropyl)ether	ND	ND			1.5	5
4-Methylphenol	ND	ND			1.5	10
N-Nitroso-di-n-propylamine	ND	ND			0.74	10
Hexachloroethane	ND	ND			0.93	10
Nitrobenzene	ND	ND			1.2	10
Isophorone	ND	ND			0.78	5
2-Nitrophenol	ND	ND			0.95	10
2,4-Dimethylphenol	ND	ND			0.63	10
bis(2-Chloroethoxy)methane	ND	ND			0.82	10
2,4-Dichlorophenol	ND	ND			0.93	10
1,2,4-Trichlorobenzene	ND	ND			0.84	5
Naphthalene	ND	ND			0.83	10
4-Chloroaniline	ND	ND			2.0	10
2,6-Dichlorophenol	ND	ND			0.93	10
Hexachlorobutadiene	ND	ND			0.96	5
4-Chloro-3-methylphenol	ND	ND			1.2	10
2-Methylnaphthalene	ND	ND			1.1	5
Hexachlorocyclopentadiene	ND	ND			2.5	5
2,4,6-Trichlorophenol	ND	ND			0.49	10
2,4,5-Trichlorophenol	ND	ND			1.1	10

Southland Technical Services, Inc.
Environmental Laboratories
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Fax (323) 888-1509

Client Name : BAS/Gregory Canyon **Date Sampled : 12/11/01**

SEMI-VOLATILE ORGANICS BY EPA 8270C (GC/MS)

Client ID	Method Blank	GLA-5			MDL	PQL
2-Chloronaphthalene	ND	ND			0.71	5
2-Nitroaniline	ND	ND			1.9	10
Dimethylphthalate	ND	ND			0.57	5
2,6-Dinitrotoluene	ND	ND			0.44	10
Acenaphthylene	ND	ND			0.65	5
3-Nitroaniline	ND	ND			0.29	10
Acenaphthene	ND	ND			0.55	5
2,4-Dinitrophenol	ND	ND			3.1	10
4-Nitrophenol	ND	ND			1.7	10
Dibenzofuran	ND	ND			0.64	10
2,4-Dinitrotoulene	ND	ND			0.55	10
Diethylphthalate	ND	ND			0.63	5
Fluorene	ND	ND			0.32	5
4,6-Dinitro-2-methylphenol	ND	ND			2.8	10
4-Chlorophenyl phenyl ether	ND	ND			0.69	10
4-Nitroaniline	ND	ND			1.6	10
alpha-BHC	ND	ND			0.45	10
n-Nitrosodiphenylamine	ND	ND			0.76	10
4-Bromophenyl phenyl ether	ND	ND			0.42	10
Hexachlorobenzene	ND	ND			0.61	10
Heptachlor	ND	ND			0.23	10
beta-BHC	ND	ND			0.28	10
Pentachlorophenol	ND	ND			2.2	10
Phenanthrene	ND	ND			0.61	10
Anthracene	ND	ND			0.64	5
delta-BHC	ND	ND			0.31	5
Aldrin	ND	ND			0.52	5
Di-n-butylphthalate	ND	ND			0.90	5
Heptachloepoxide	ND	ND			0.33	5
Fluoranthene	ND	ND			0.47	5
Endosulfan I	ND	ND			0.30	5
Pyrene	ND	ND			0.61	5
4, 4'-DDE	ND	ND			0.35	5
Diendrin	ND	ND			0.44	5

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Client Name : BAS/Gregory Canyon **Date Sampled : 12/11/01**

Semi-Volatile Organics Analysis (continued)

Client ID	Method Blank	GLA-5			MDL	PQL
Endrin	ND	ND			0.44	5
Endosulfan II	ND	ND			1.2	10
4, 4'-DDD	ND	ND			0.27	5
Endosulfan sulfate	ND	ND			0.23	10
Endrin aldehyde	ND	ND			1.3	10
4, 4'-DDT	ND	ND			0.30	5
Butyl benzylphthalate	ND	ND			0.62	5
p, p'-Methoxychlor	ND	ND			0.26	10
3,3'-Dichlorobenzidine	ND	ND			1.7	10
bis(2-Ethylhexyl)phthalate	ND	ND			0.83	10
Benzo[a]anthracene	ND	ND			0.53	5
Chrysene	ND	ND			0.47	5
Di-n-octylphthalate	ND	ND			0.59	5
Benzo[b]fluoranthene	ND	ND			2.7	10
Benzo[k]fluorathene	ND	ND			0.75	10
Benzo[a]pyrene	ND	ND			0.56	10
Indeno[1,2,3-cd]pyrene	ND	ND			0.71	5
Benzo[g,h,i]perylene	ND	ND			0.77	5
Diben[a,h]anthracene	ND	ND			1.6	10
Benzyl Chloride	ND	ND			5	20
System Monitoring Compounds	**Surrogate % Recovery**				**Accept. % Rec.**	
2-Fluorophenol	73	85			21-100	
Phenol-d6	74	89			10-94	
Nitrobenzene-D5	88	20			35-114	
2-Fluorobiphenyl	92	76			43-116	
2,4,6-Tribromophenol	86	90			10-123	
p-Terphenyl-d14	43	38			33-141	

Key: ND = Not Detected **MDL** = Method Detection Limit **PQL** = Pratical Quantitation Limit **J** = Trace Conc. Between MDL and PQL
M.B. = Method Blank

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LABORATORY ANALYSIS

Client Name : BAS / Gregory Canyon
Type : Grab
Matrix : Water
Unit : µg/L

Date Sampled : 12/12/01
Date Received:12/12/01
Date Analyzed : 12/19/01
Date Reported :01/02/02

EPA 8270C LCS Recovery

Compound	Sample	Spike	Spike	Dup	Spike	Dup	RPD	QC Limit	
	Conc µg/L	Added µg/L	Res µg/L	Res µg/L	% Rec	% Rec	%	RPD	% Rec
Phenol	ND	100	73.6	79.3	74	79	7	40	12-130
2-Chlorophenol	ND	100	80.1	83.1	80	83	4	40	24-134
1,4-Dichlorobenzene	ND	50	37	41	74	82	10	40	36-124
N-Nitroso-di-n-propylamine	ND	50	36.3	22	73	44	49	40	41-230
1,2,4-Trichlorobenzene	ND	50	35	39	70	78	11	40	44-142
4-Chloro-3-methylphenol	ND	100	57.3	67.7	57	68	17	40	22-147
Acenaphthene	ND	50	38	42	75	84	11	40	47-145
4-Nitrophenol	ND	100	61	70	61	70	14	40	12-132
2,4-Dinitrotoluene	ND	50	25	36	51	73	36	40	39-139
Pentachlorophenol	ND	100	66	95	66	95	36	40	14-176
Pyrene	ND	50	29	30	58	61	4	40	26-130

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