Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878
2323 Fifth Street, Berkeley, CA 94710, Phone (415) 486-0900

LAB NUMBER: 16906
CLIENT: SUBSURFACE CONSULTANTS
JOB #: 190.005
PROJECT: PARAGON GATEWAY

DATE RECEIVED: 03-01-89
DATE ANALYZED: 02-23-89
DATE REPORTED: 03-13-89
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Method Reference: O&G: Oil and Grease, SMWW 503 E

LAB ID	CLIENT ID	O&G (mg/Kg)
16906-1	A @ 3.0	340
16906-2	B @ 5.0	470
16906-3	C @ 4.0	ND(50)
16906-4	D @ 4.0	ND(50)
16906-5	E @ 3.5	ND(50)
16906-6	F @ 4.0	1,200
16906-7	G @ 4.0	70
16906-8	H @ 4.0	72
16906-9	I @ 4.0	78
16906-10	24 @ 4.0	210

ND = None Detected; Limit of detection is indicated in parentheses.

Jon Wang for CBG
LABORATORY DIRECTOR

Curtis & Tompkins, Ltd.

LAB NUMBER: 16906-11/12/13/14
CLIENT: SUBSURFACE CONSULTANTS
JOB #: 190.005
PROJECT: PARAGON GATEWAY
COMPOSITE: 14 @ 1.5/16 @ 1.0
17 @ 0.5/18 @ 1.5

DATE RECEIVED: 03-01-89
DATE ANALYZED: 03-02-89
DATE REPORTED: 03-13-89
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Title 22 Metals in Soils & Wastes
Digestion Method: EPA 3050

METAL	RESULT mg/Kg	DETECTION LIMIT mg/Kg	METHOD
Antimony	ND	2.5	EPA 6010
Arsenic	ND	2.5	EPA 6010
Barium	48	0.5	EPA 6010
Beryllium	ND	0.5	EPA 6010
Cadmium	ND	0.5	EPA 6010
Chromium (total)	12	0.5	EPA 6010
Cobalt	5.6	0.5	EPA 6010
Copper	22	0.5	EPA 6010
Lead	17	2.5	EPA 7420
Mercury	0.3	0.1	EPA 7471
Molybdenum	ND	0.5	EPA 6010
Nickel	12	0.5	EPA 6010
Selenium	ND	2.5	EPA 7740
Silver	ND	1.0	EPA 6010
Thallium	ND	2.5	EPA 6010
Vanadium	12	1.0	EPA 6010
Zinc	42	0.5	EPA 6010

ND = None Detected

QA/QC SUMMARY

	%RPD	%SPIKE
Antimony	7	100
Arsenic	<1	101
Barium	3	102
Beryllium	4	102
Cadmium	3	106
Chromium	1	104
Cobalt	1	103
Copper	1	100
Lead	<1	99
Mercury	33	89
Molybdenum	<1	98
Nickel	1	103
Selenium	2	106
Silver	<1	93
Thallium	<1	100
Vanadium	3	94
Zinc	<1	103

Curtis & Tompkins, Ltd.

LAB NUMBER: 16906-15/16/17/18
CLIENT: SUBSURFACE CONSULTANTS
JOB #: 190.005
PROJECT: PARAGON GATEWAY
COMPOSITE: 19 @ 1.5/21 @ 1.5
23 @ 1.5/20 @ 1.5

DATE RECEIVED: 03-01-89
DATE ANALYZED: 03-02-89
DATE REPORTED: 03-13-89

Title 22 Metals in Soils & Wastes
Digestion Method: EPA 3050

METAL	RESULT mg/Kg	DETECTION LIMIT mg/Kg	METHOD
Antimony	ND	2.5	EPA 6010
Arsenic	ND	2.5	EPA 6010
Barium	14	0.5	EPA 6010
Beryllium	ND	0.5	EPA 6010
Cadmium	ND	0.5	EPA 6010
Chromium (total)	1.7	0.5	EPA 6010
Cobalt	3.0	0.5	EPA 6010
Copper	13	0.5	EPA 6010
Lead	ND	2.5	EPA 7420
Mercury	0.2	0.1	EPA 7471
Molybdenum	ND	0.5	EPA 6010
Nickel	0.8	0.5	EPA 6010
Selenium	ND	2.5	EPA 7740
Silver	ND	1.0	EPA 6010
Thallium	ND	2.5	EPA 6010
Vanadium	2.8	1.0	EPA 6010
Zinc	63	0.5	EPA 6010

ND = None Detected

QA/QC SUMMARY

	%RPD	%SPIKE		%RPD	%SPIKE
Antimony	7	100	Mercury	33	89
Arsenic	<1	101	Molybdenum	<1	98
Barium	3	102	Nickel	1	103
Beryllium	4	102	Selenium	2	106
Cadmium	3	106	Silver	<1	93
Chromium	1	104	Thallium	<1	100
Cobalt	1	103	Vanadium	3	94
Copper	1	100	Zinc	<1	103
Lead	<1	99			

Curtis & Tompkins, Ltd.

LAB NUMBER: 16906-19/20/21/22
CLIENT: SUBSURFACE CONSULTANTS
JOB #: 190.005
PROJECT: PARAGON GATEWAY
COMPOSITE: TB 17/TB 21/TB 23/TB 24

DATE RECEIVED: 03-01-89
DATE ANALYZED: 03-16-89
DATE REPORTED: 03-16-89

Title 22 Metals in Aqueous Solutions

METAL	RESULT mg/L	DETECTION LIMIT mg/L	METHOD
Antimony	ND	0.1	EPA 6010
Arsenic	ND	0.05	EPA 6010
Barium	0.04	0.01	EPA 6010
Beryllium	ND	0.01	EPA 6010
Cadmium	ND	0.01	EPA 6010
Chromium (total)	ND	0.01	EPA 6010
Cobalt	ND	0.01	EPA 6010
Copper	0.04	0.01	EPA 6010
Lead	ND	0.05	EPA 6010
Mercury	ND	0.001	EPA 7470
Molybdenum	ND	0.01	EPA 6010
Nickel	ND	0.02	EPA 6010
Selenium	ND	0.05	EPA 6010
Silver	ND	0.02	EPA 6010
Thallium	ND	0.1	EPA 6010
Vanadium	ND	0.02	EPA 6010
Zinc	ND	0.01	EPA 6010

ND = None Detected

QA/QC SUMMARY

	%RPD	%SPIKE		%RPD	%SPIKE
Antimony	4	96	Mercury	33	89
Arsenic	<1	101	Molybdenum	<1	95
Barium	2	95	Nickel	2	99
Beryllium	<1	105	Selenium	<1	92
Cadmium	<1	102	Silver	<1	75
Chromium	3	99	Thallium	1	98
Cobalt	3	107	Vanadium	<1	90
Copper	2	94	Zinc	3	103
Lead	<1	98			

LAB NUMBER: 16906-11/12/13/14
COMPOSITE: 14 @ 1.5/16 @ 1.0
17 @ 0.5/18 @ 1.5

BASE/NEUTRAL COMPOUNDS	RESULT ug/kg	LOD ug/kg
Hexachlorobenzene	ND	330
Phenanthrene	ND	330
Anthracene	ND	330
Dibutylphthalate	ND	330
Fluoranthene	ND	330
Benzidine	ND	1650
Pyrene	TRACE	330
Butylbenzylphthalate	ND	330
Benzo (a) anthracene	ND	330
3,3'-Dichlorobenzidine	ND	1650
Chrysene	ND	330
Bis (2-ethylhexyl)phthalate	ND	330
Di-n-octyl phthalate	ND	330
Benzo (b) fluoranthene	ND	330
Benzo (k) fluoranthene	ND	330
Benzo (a) pyrene	ND	330
Indeno (1,2,3-cd) pyrene	ND	1650
Dibenzo (a,h) anthracene	ND	1650
Benzo (ghi) perylene	ND	1650
HSL COMPOUNDS		
Benzoic Acid	ND	1650
2-Methylphenol	ND	330
4-Methylphenol	ND	330
2,4,5-Trichlorophenol	ND	1650
Aniline	ND	330
Benzyl Alcohol	ND	330
4-Chloroaniline	ND	330
2-Methylnaphthalene	ND	330
2-Nitroanline	ND	330
3-Nitroaniline	ND	330
Dibenzofuran	ND	330
4-Nitroaniline	ND	330