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~~CONFIDENTIAL~~

L.C. 5/18/95

Working Paper — North Salt Lake City Canals —

Remarks re organic analysis —
See pp- 12, 13, 24, 28 —

① Volatile organic — we did not have equipment to run this when samples were taken. Can be done at present.

② Trace organic analysis —
Since heavy oil present was ruining GC columns we cut back on samples run.
General organic extract was run which includes acids, base neutrals and pesticides.
We had better discuss just which parameters are desired and are feasible for analysis.
We had not proposed to do capillary analysis but note that we can do this at present.

HGB

?-12,13 - Two of four - samples — ?
Samples analyzed - (2) — were those showing peaks - by FID screen -

(1) - At the time no equipment available for volatile organics -

(2) Primary problem was the large amount of heavy oils present in samples —
A — If we diluted the samples sufficiently to make the oils manageable we raised the detection limits for priority pollutants to very high levels -
B. We analyzed general organic extract at as high a concentration as possible. Essentially, we expended our GC columns in doing this - Therefore we had to reduce samples to (2) concentrating a duplicate and spiked sample — General organic extract was screened for unknown compounds —

Capillary - columns - would probably improve situation — what analyze for ?

North Salt Lake City Canals — Working Paper -

Confirming briefly our discussion of 3-09-82 there seems to be considerable misapprehension as to the organic Cpl. Mass Spec analysis of these samples.

Item (1) Volatile Organics — at the time the samples were taken we did not have equipment for VO analysis -

We disagree with certain aspects of statements on organic trace analysis. (see pp 12, 13, 24, 28)

· Volatile Organic – at the time the samples were taken we did not have equipment for VO analysis. We can now do this analysis but I would hesitate to analyze the original sample after the time elapsed.

Trace Organic analysis –
Four samples were proposed for analysis – only two were run since screening indicated the samples were similar and the samples run were spoiling the G.C. columns.

P- 24 -

Bulk of organic fraction not characterized

— ? ? ? . . . -

P- 28.