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OUR FILE NUMBER
3282-4317

March 31, 1993

Rick Roder
Department of Ecology
106 South 6th Avenue
Yakima, Wa 98901

Re: CMX v. Department of Ecology

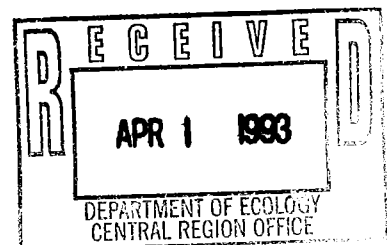
Dear Rick:

Enclosed please find copies of the soil sample analysis conducted by North Creek Analytical for the soil samples obtained December 4, 1991 at the CMX site in Yakima. As you can see, no detection was made of any HVO's in any of the samples.

Very truly yours,


Wade E. Gano

WEG/cin
Enclosure
cc: Christina Beusch, AAG
John Van Valey
cw/l.rod.03-31





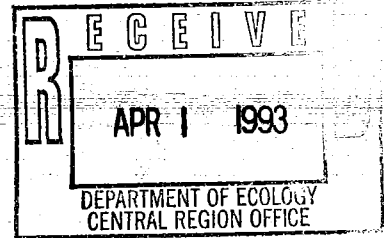
DEC 23 1991

18939 120th Avenue N.E., Suite 101 • Bothell, WA 98011-2569
Phone (206) 481-9200 • FAX (206) 485-2992

Environ. Science & Engineering 17411 N.E. Union Hill Rd, Suite 220 Redmond, WA 98052 Attention: Mark Anderson	Client Project ID: CMX Corporation Yakima Matrix: Soil Analysis for: Total Solids First Sample #: 112-0147	Received: Dec 5, 1991 Reported: Dec 19, 1991
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LABORATORY ANALYSIS FOR: Total Solids

Sample Number	Sample Description	Sample Result %
112-0147	CMX-1 @ 2.4'	86
112-0148	CMX-2 @ 2.5'	85



North Creek Analytical routinely provides analytical results for soils, sediments or sludges in a wet weight "as received" basis. To attain dry weight equivalents for regulatory compliance, divide the soil result by the decimal fraction of percent solids.

NORTH CREEK ANALYTICAL

[Signature]
Scott Cocanour
Laboratory Director


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Environ. Science & Engineering	Client Project ID: CMX Corporation Yakima	Sampled: Dec 4, 1991
17411 N.E. Union Hill Rd, Suite 220	Sample Descript: Soil, CMX-1 @ 2.4'	Received: Dec 5, 1991
Redmond, WA 98052	Analysis Method: EPA 5090/8010	Analyzed: Dec 9, 1991
Attention: Mark Anderson	Lab Number: 112-0147	Reported: Dec 19, 1991

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/kg (ppb)	Sample Results µg/kg (ppb)
Bromodichloromethane.....	20	N.D.
Bromoform.....	20	N.D.
Bromomethane.....	20	N.D.
Carbon tetrachloride.....	20	N.D.
Chlorobenzene.....	20	N.D.
Chloroethane.....	100	N.D.
2-Chloroethylvinyl ether.....	20	N.D.
Chloroform.....	20	N.D.
Chloromethane.....	20	N.D.
Dibromochloromethane.....	20	N.D.
1,2-Dichlorobenzene.....	40	N.D.
1,3-Dichlorobenzene.....	40	N.D.
1,4-Dichlorobenzene.....	40	N.D.
1,1-Dichloroethane.....	20	N.D.
1,2-Dichloroethane.....	20	N.D.
1,1-Dichloroethene.....	20	N.D.
Total 1,2-Dichloroethene.....	20	N.D.
1,2-Dichloropropane.....	20	N.D.
cis-1,3-Dichloropropene.....	20	N.D.
trans-1,3-Dichloropropene.....	20	N.D.
Methylene chloride.....	100	N.D.
1,1,2,2-Tetrachloroethane.....	20	N.D.
Tetrachloroethene.....	20	N.D.
1,1,1-Trichloroethane.....	20	N.D.
1,1,2-Trichloroethane.....	20	N.D.
Trichloroethene.....	20	N.D.
Trichlorofluoromethane.....	20	N.D.
Vinyl chloride.....	40	N.D.

Surrogate Recovery, %: 79

Analytes reported as N.D. were not present above the stated limit of detection.

NORTH CREEK ANALYTICAL

 Scot Cocanour
 Laboratory Director

1120147.E9E <2>



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Environ. Science & Engineering 17411 N.E. Union Hill Rd, Suite 220 Redmond, WA 98052 Attention: Mark Anderson	Client Project ID: CMX Corporation Yakima Sample Descript: Soil, CMX-2 @ 2.5' Analysis Method: EPA 5030/8010 Lab Number: 112-0148	Sampled: Dec 4, 1991 Received: Dec 5, 1991 Analyzed: Dec 9, 1991 Reported: Dec 19, 1991
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HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/kg (ppb)	Sample Results µg/kg (ppb)
Bromodichloromethane.....	20	N.D.
Bromoform.....	20	N.D.
Bromomethane.....	20	N.D.
Carbon tetrachloride.....	20	N.D.
Chlorobenzene.....	20	N.D.
Chloroethane.....	100	N.D.
2-Chloroethylvinyl ether.....	20	N.D.
Chloroform.....	20	N.D.
Chloromethane.....	20	N.D.
Dibromochloromethane.....	20	N.D.
1,2-Dichlorobenzene.....	40	N.D.
1,3-Dichlorobenzene.....	40	N.D.
1,4-Dichlorobenzene.....	40	N.D.
1,1-Dichloroethane.....	20	N.D.
1,2-Dichloroethane.....	20	N.D.
1,1-Dichloroethene.....	20	N.D.
Total 1,2-Dichloroethene.....	20	N.D.
1,2-Dichloropropane.....	20	N.D.
cis-1,3-Dichloropropene.....	20	N.D.
trans-1,3-Dichloropropene.....	20	N.D.
Methylene chloride.....	100	N.D.
1,1,2,2-Tetrachloroethane.....	20	N.D.
Tetrachloroethene.....	20	N.D.
1,1,1-Trichloroethane.....	20	N.D.
1,1,2-Trichloroethane.....	20	N.D.
Trichloroethene.....	20	N.D.
Trichlorofluoromethane.....	20	N.D.
Vinyl chloride.....	40	N.D.

Surrogate Recovery, %: 80

Analytes reported as N.D. were not present above the stated limit of detection.

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Scot Cocanour
Laboratory Director

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Environ. Science & Engineering 17411 N.E. Union Hill Rd, Suite 220 Redmond, WA 98052 Attention: Mark Anderson	Client Project ID: CMX Corporation Yakima Sample Descript: Method Blank Analysis Method: EPA 5030/8010 Lab Number: BLK120991	Analyzed: Dec 9, 1991 Reported: Dec 19, 1991
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HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/kg (ppb)	Sample Results µg/kg (ppb)
Bromodichloromethane.....	20	N.D.
Bromoforn.....	20	N.D.
Bromomethane.....	20	N.D.
Carbon tetrachloride.....	20	N.D.
Chlorobenzene.....	20	N.D.
Chloroethane.....	100	N.D.
2-Chloroethylvinyl ether.....	20	N.D.
Chloroform.....	20	N.D.
Chloromethane.....	20	N.D.
Dibromochloromethane.....	20	N.D.
1,2-Dichlorobenzene.....	40	N.D.
1,3-Dichlorobenzene.....	40	N.D.
1,4-Dichlorobenzene.....	40	N.D.
1,1-Dichloroethane.....	20	N.D.
1,2-Dichloroethane.....	20	N.D.
1,1-Dichloroethene.....	20	N.D.
Total 1,2-Dichloroethene.....	20	N.D.
1,2-Dichloropropane.....	20	N.D.
cis-1,3-Dichloropropene.....	20	N.D.
trans-1,3-Dichloropropene.....	20	N.D.
Methylene chloride.....	100	N.D.
1,1,2,2-Tetrachloroethane.....	20	N.D.
Tetrachloroethene.....	20	N.D.
1,1,1-Trichloroethane.....	20	N.D.
1,1,2-Trichloroethane.....	20	N.D.
Trichloroethene.....	20	N.D.
Trichlorofluoromethane.....	20	N.D.
Vinyl chloride.....	40	N.D.

Burrogate Recovery, %: 80
 Analytes reported as N.D. were not present above the stated limit of detection.

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 Scott Cocanour
 Laboratory Director

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Environ. Science & Engineering 17411 N.E. Union Hill Rd, Suite 220 Redmond, WA 98052 Attention: Mark Anderson	Client Project ID: CMX Corporation Yakima Matrix Descript: Soil Analysis Method: Qualitative GC-FID First Sample #: 112-0147	Sampled: Dec 4, 1991 Received: Dec 5, 1991 Extracted: Dec 17, 1991 Analyzed: Dec 18, 1991 Reported: Dec 19, 1991
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HYDROCARBON IDENTIFICATION (WTPH-HCID)

Sample Number	Sample Description	HCID as Gasoline mg/kg (ppm)	HCID as Diesel mg/kg (ppm)	Surrogate Recovery %
112-0147	CMX-1 @ 2.4'	<20	<50	53

HCID as gasoline are hydrocarbons between nC7 and nC11. HCID as diesel are hydrocarbons between nC11 and nC24.
If Hydrocarbons greater than 20 ppm as gasoline or greater than 50 ppm as diesel are reported as "Present",
proceed to WTPH-G or WTPH-D for accurate quantitation.

NORTH CREEK ANALYTICAL


Scot Cochran
Laboratory Director

1120147.ESE <5>



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Environ. Science & Engineering 17411 N.E. Union Hill Rd, Suite 220 Redmond, WA 98052 Attention: Mark Anderson	Client Project ID: CMX Corporation Yakima Method : EPA 8010 Sample Matrix : Soil Units : mg/kg QC Sample #: 112-0148	Analyst : R. Lieter Analyzed: Dec 9, 1991 Reported: Dec 19, 1991
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QUALITY CONTROL DATA REPORT

ANALYTE	1,1-DCE	TCE	Chloro-benzene
Sample Conc.:	N.D.	N.D.	N.D.
Spike Conc. Added:	2.0	2.0	2.0
Conc. Matrix Spike:	1.2	1.5	1.7
Matrix Spike % Recovery:	60	75	85
Conc. Matrix Spike Dup.:	1.1	1.4	1.6
Matrix Spike Duplicate % Recovery:	55	70	80
Relative % Difference:	8.7	6.9	6.1

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[Signature]
 Scott Cocanour
 Laboratory Director

% Recovery:	$\frac{\text{Conc. of M.S.} - \text{Conc. of Sample}}{\text{Spike Conc. Added}} \times 100$
Relative % Difference:	$\frac{\text{Conc. of M.S.} - \text{Conc. of M.S.D.}}{(\text{Conc. of M.S.} + \text{Conc. of M.S.D.}) / 2} \times 100$

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CHAIN OF CUSTODY REPORT

CLIENT: **ESE**
 ADDRESS: **17411 NE Rubin Hill Rd, #220**
Redmond, WA 98052
 PHONE: **869-8220**
 PROJECT NAME/SITE: **CAN Corporation / Yaluma**

REPORT TO: **Mark Anderson**

BILLING TO: **Mark Anderson**

PO# / BILLING REFERENCE: _____

TURNAROUND TIME:
 1-2 DAY 3-5 DAY 10 DAY

SAMPLE ID / STATION	SAMPLE DESCRIPTION	NUMBER OF CONT.	TYPE CONT.	SAMPLING TIME/DATE	ANALYSIS REQUESTED	REMARKS	SAMPLE NUMBER
CAN-102.4	soil	1	100	10/25/91	8010 HCLD		1120197
CAN-202.5	"	1	100	10/26/91			148

RELINQUISHED BY: _____ DATE: **12/5/91** TIME: **0950**

RELINQUISHED BY: _____ DATE: _____ TIME: _____

RECEIVED BY: **Beck** DATE: **12/16/91** TIME: _____

RECEIVED IN LAB BY: _____ DATE: _____ TIME: _____

TRAVEL TIME: _____

ON SITE TIME: _____

OTHER: _____

WET SAMPLES: _____ PRESERVED ? _____

IN GOOD CONDITION? _____