

District III
1000 Rio Brazos Rd. Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Dept.

SUBMIT 1 COPY TO
APPROPRIATE
DISTRICT OFFICE
AND 1 COPY TO
SANTA FE OFFICE

OIL CONSERVATION DIVISION
2040 S. Pacheco
Santa Fe, New Mexico 87504

PIT REMEDIATION AND CLOSURE REPORT

Operator: Caulkins Oil Company

Telephone: (505) 632-1544

Address: P.O. Box 340, Bloomfield, NM 87413

Facility or Well Name: Breech "E" 50

Location: Unit or Qtr/Qtr Sec H Sec 5 T 26N R 6W County Rio Arriba

Pit Type: Separator X Dehydrator Other

Land Type: BLM X, State, Fee, Other.

Pit Location: Pit dimensions: length 10', width 10', depth 3'
(Attach diagram)

References: wellhead X , other

Footage from reference: 65'

Direction from reference: 275 Degrees ____ East North ____
 _____ of _____
 _____ X West South _____

Depth to Ground Water: (Vertical distance from
contaminants to seasonal high
water elevation of ground water)

Less than 50 feet	(20 points)
50 feet to 99 feet	(10 points)
Greater than 100 feet	(0 points)

0

Wellhead Protection Area (Less than 200 feet from a private domestic water source, or; less than 1000 feet from all other water sources)	Yes No	(20 points) (0 points)	<u>0</u>
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Distance to Surface Water: (Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches)	Less than 200 feet	(20 points)	
	200 feet to 1000 feet	(10 points)	
	Greater than 1000 feet	(0 points)	<u>0</u>

RANKING SCORE (TOTAL POINTS): 0

Organic Analysis - Pit Closure

Caulkins Oil Company

Project ID:	Pit Remediation	Report Date:	05/16/97
Sample ID:	Breech E50 Fill	Date Sampled:	04/15/97
Lab ID:	6741	Date Received:	04/16/97
Sample Matrix:	Soil	Preservative:	Cool
		Condition:	Intact

Target Analyte	Concentration (mg/kg)	Detection Limit (mg/kg)
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Total Aromatic Hydrocarbons	0.87	
Benzene	ND	0.15
Toluene	0.19	0.15
Ethylbenzene	0.16	0.15
m,p-Xylenes	0.36	0.30
o-Xylene	0.16	0.15

Total Volatile Petroleum Hydrocarbons	ND	13.7
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Total Recoverable Petroleum Hydrocarbons	ND	30.3
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Quality Control:	<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Acceptance Limits</u>
	Trifluorotoluene	65	50 - 150%
	Bromofluorobenzene	99	74 - 121%
	o-Terphenyl	91	50 - 150%

Reference: Method 5030, Purge and Trap; Method 8020, Aromatic Recoverable Organics; Test Methods for Evaluating Solid Wastes, SW-846, United States Environmental Protection Agency, Final Update I, July, 1992.

EPA Method 8015A, modified. "Nonhalogenated Volatile Organics by Gas Chromatography." Test Methods for Evaluating Solid Waste, Physical/ Chemical Methods, SW-846, 3rd Ed, Final Update I, July, 1992. USEPA.

Comments:


Review

Organic Analysis - Pit Closure

Caulkins Oil Company

Project ID:	Pit Remediation	Report Date:	05/16/97
Sample ID:	Breach E50 Bottom Of Pit	Date Sampled:	04/15/97
Lab ID:	6742	Date Received:	04/16/97
Sample Matrix:	Soil	Preservative:	Cool
		Condition:	Intact

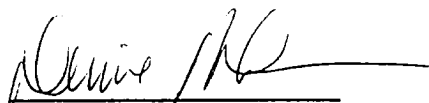
Target Analyte	Concentration (mg/kg)	Detection Limit (mg/kg)
Total Aromatic Hydrocarbons	0.97	
Benzene	ND	0.16
Toluene	0.21	0.16
Ethylbenzene	0.18	0.16
m,p-Xylenes	0.41	0.31
o-Xylene	0.18	0.16
Total Volatile Petroleum Hydrocarbons	ND	14.0
Total Recoverable Petroleum Hydrocarbons	ND	29.3

Quality Control:	<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Acceptance Limits</u>
	Trifluorotoluene	87	50 - 150%
	Bromofluorobenzene	107	74 - 121%
	o-Terphenyl	91	50 - 150%

Reference: Method 5030, Purge and Trap; Method 8020, Aromatic Recoverable Organics; Test Methods for Evaluating Solid Wastes, SW-846, United States Environmental Protection Agency, Final Update I, July, 1992.

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