

Date Remediation Started: 6-19-98 Dated Completed: 6-22-98

Remediation Method: Excavation ☒ Approx. cubic yards _____
(Check all appropriate sections) Landfarmed ☒ Insitu Bioremediation _____
Other _____

Remediation Location: Onsite ☒ Offsite Envirotech LANDFARM #2
(ie. landfarmed onsite, name and location of offsite facility)

General Description Of Remedial Action: CORE OF CONTAMINATION TO ENVIROTECH
for offsite remediation (62 cubic yards). BALANCE OF EXCAVATION STOCK-
PILED ON-SITE UNTIL BACKFILL COMPLETED WITH SOIL FROM A NEARBY WASH.
STOCKPILED SOIL THEN THIN SPREAD ON-SITE. BERMES CONSTRUCTED TO
Prevent Run-on / Run-off. LANDFARM tilled until BTEX & TPH Below
Regulatory Limits.

Ground Water Encountered: No ☒ Yes _____ Depth _____

Final Pit: Sample location 5 pt. Composite from SHALE
Closure Sampling: Bedrock bottom.
(if multiple samples, attach sample results and diagram of sample locations and depths) Sample depth 18'
Sample date 6.22.98 Sample time 13:05

Sample Results

Benzene (ppm) ND
Total BTEX (ppm) .995 ppm
Field headspace (ppm) _____
TPH 8.4 ppm

Ground Water Sample: Yes _____ No ☒ (If yes, attach sample results)

I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF

DATE 10.26.00

SIGNATURE Harlan W. Brown PRINTED NAME HARLAN W. BROWN
AND TITLE GEOLOGIST / Hydrogeologist

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	J N Exploration	Project #:	98056-01
Sample ID:	Bedrock @ 18' BNG	Date Reported:	06-23-98
Laboratory Number:	D463	Date Sampled:	06-22-98
Chain of Custody:	6132	Date Received:	06-22-98
Sample Matrix:	Soil	Date Analyzed:	06-23-98
Preservative:	Cool	Date Extracted:	06-23-98
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	8.8
Toluene	ND	8.4
Ethylbenzene	56.7	7.6
p,m-Xylene	698	10.8
o-Xylene	240	5.2
Total BTEX	995	

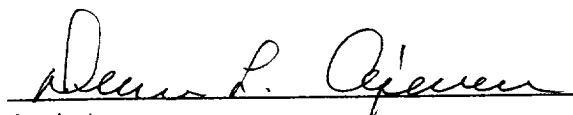
ND - Parameter not detected at the stated detection limit.

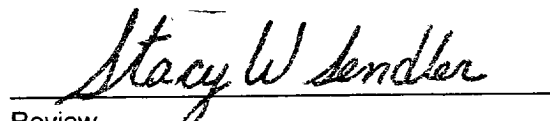
Surrogate Recoveries:	Parameter	Percent Recovery
	Trifluorotoluene	97 %
	Bromofluorobenzene	97 %

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: Miller 1 E. 5 pt. Composite.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

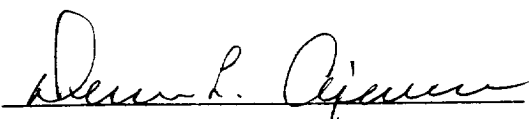
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Sample Matrix:	Soil	Date Extracted:	06-23-98
Preservative:	Cool	Date Analyzed:	06-23-98
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

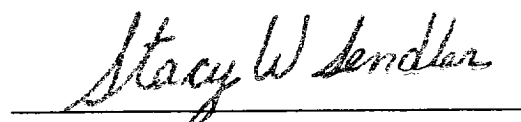
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	1.1	0.2
Diesel Range (C10 - C28)	8.3	0.1
Total Petroleum Hydrocarbons	8.4	0.2

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **Miller 1 E. 5 pt. Composite.**


Analyst


Review

