

Organic Analysis - Pit Closure

Caulkins Oil Company

Project ID:	Pit Remediation	Report Date:	05/16/97
Sample ID:	Breech E104 Fill	Date Sampled:	04/15/97
Lab ID:	6743	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	0.86	
Benzene	ND	0.15
Toluene	0.19	0.15
Ethylbenzene	0.16	0.15
m,p-Xylenes	0.35	0.31
o-Xylene	0.15	0.15
Total Volatile Petroleum Hydrocarbons	ND	13.8
Total Recoverable Petroleum Hydrocarbons	129	29.7

Quality Control:	<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Acceptance Limits</u>
	Trifluorotoluene	102	50 - 150%
	Bromofluorobenzene	97	74 - 121%
	o-Terphenyl	88	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:	Breech E104 Bottom Of Pit	Date Sampled:	04/15/97
Lab ID:	6744	Date Received:	04/16/97
Sample Matrix:	Soil	Preservative:	Cool
		Condition:	Intact


Target Analyte	Concentration (mg/kg)	Detection Limit (mg/kg)
Total Aromatic Hydrocarbons	1.05	
Benzene	ND	0.16
Toluene	0.20	0.16
Ethylbenzene	0.21	0.16
m,p-Xylenes	0.45	0.32
o-Xylene	0.19	0.16
Total Volatile Petroleum Hydrocarbons	ND	14.4
Total Recoverable Petroleum Hydrocarbons	492	31.5

Quality Control:	<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Acceptance Limits</u>
	Trifluorotoluene	91	50 - 150%
	Bromofluorobenzene	98	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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