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TECHNICAL ASSISTANCE TEAM FOR EMERGENCY RESPONSE REMOVAL AND PREVENTION
EPA CONTRACT 68-01-6669

MEMORANDUM

TO: Jeffery Pike, OSC, U.S. EPA, Region III PCS #3389

THRU: Stephen Jarvela, DPO, U.S. EPA Region III

THRU: Rich Habrukowich, TATL, Region III RH

FROM: B. D. Khona, TATM, Region III BDK

SUBJECT: Shrivers Corner Analytical Results

DATE: September 17, 1985

This report covers a review of three soil samples to be analyzed for RCRA characteristics, EP toxicity, total metals and BNA's. The samples were submitted to Century laboratory on 6/14/85. The findings offered in this report are based upon a general review of the data provided.

1. No duplicate analysis.
2. No matrix spike analysis.
3. Poor surrogate recoveries for acid fraction, and for base neutral fraction due to possible matrix interference.
4. Total phenol analysis was not performed due to insufficient sample.

Conclusion

The results can only be accepted as estimates.

BDK:ah

CLIENT: ROY F. WESTON, INC.
CLIENT ID: 01 Shealer Prop. 1430

SAMPLE ID: B8019
FRN: B0284

PARAMETER	MDL* (mg/kg)	RESULTS (mg/kg)
ACID EXTRACTABLES		
2-Chlorophenol	5.0	N.D.
4-Chloro-3-methylphenol	5.0	N.D.
2,4-Dichlorophenol	5.0	N.D.
2,4-Dimethylphenol	5.0	N.D.
2,4-Dinitrophenol	50.0	N.D.
4,6-Dinitro-2-methylphenol	50.0	N.D.
2-Nitrophenol	5.0	N.D.
4-Nitrophenol	5.0	N.D.
Pentachlorophenol	5.0	N.D.
Phenol	5.0	N.D.
2,4,6-Trichlorophenol	5.0	N.D.
BASE/NEUTRAL FRACTION		
Acenaphthene	2.0	N.D.
Acenaphthylene	2.0	N.D.
Anthracene		**
Benzidine	10.0	N.D.
Benz(a)anthracene	2.0	N.D.
Benzo(b)fluoranthene		***
Benzo(k)fluoranthene	2.0	N.D.
Benzo(g,h,i)perylene	8.0	N.D.
Benzo(a)pyrene	2.0	N.D.
Benzyl butyl phthalate	2.0	N.D.
4-Bromophenyl phenyl ether	2.0	N.D.
bis(2-Chloroethyl)ether	2.0	N.D.
bis(2-Chloroethoxy)ether	2.0	N.D.
bis(2-Chloroisopropyl)ether	2.0	N.D.
2-Chloronaphthalene	2.0	N.D.
4-Chlorophenyl phenyl ether	2.0	N.D.
Chrysene		****
Dibenzo(a,h)anthracene	8.0	N.D.
Di-n-butyl phthalate	2.0	N.D.
1,2-Dichlorobenzene	2.0	N.D.
1,3-Dichlorobenzene	2.0	N.D.
1,4-Dichlorobenzene	2.0	N.D.
3,3'-Dichlorobenzidine	5.0	N.D.
Diethyl phthalate	2.0	N.D.
Dimethyl phthalate	2.0	N.D.
2,4-Dinitrotoluene	2.0	N.D.
2,6-Dinitrotoluene	2.0	N.D.
Di-n-octyl phthalate	2.0	N.D.
1,2-Diphenylhydrazine	2.0	N.D.
bis(2-Ethylhexyl)phthalate	2.0	5.0
Fluoranthene	2.0	N.D.
Fluorene	2.0	N.D.

PARAMETER	MDL* (mg/kg)	RESULTS (mg/kg)
BASE/NEUTRAL FRACTION		
Hexachlorobenzene	2.0	N.D.
Hexachlorobutadiene	2.0	N.D.
Hexachlorocyclopentadiene	10.0	N.D.
Hexachloroethane	2.0	N.D.
Indeno(1,2,3-c,d)pyrene	8.0	N.D.
Isophorone	2.0	N.D.
Naphthalene	2.0	5.0
Nitrobenzene	2.0	N.D.
N-Nitrosodimethylamine	2.0	N.D.
N-Nitrosodiphenylamine	2.0	N.D.
N-Nitrosodipropylamine	2.0	N.D.
Phenanthrene	2.0	N.D.
Pyrene	2.0	N.D.
1,2,4-Trichlorobenzene	2.0	N.D.
VOLATILE FRACTION		
Benzene		N.A.
Bromodichloromethane		N.A.
Bromoform		N.A.
Bromomethane		N.A.
Carbon tetrachloride		N.A.
Chlorobenzene		N.A.
Chlorodibromomethane		N.A.
Chloroethane		N.A.
2-Chloroethyl vinyl ether		N.A.
Chloroform		N.A.
Chloromethane		N.A.
Dichlorodifluoromethane		N.A.
1,1-Dichloroethane		N.A.
1,2-Dichloroethane		N.A.
1,1-Dichloroethene		N.A.
trans-1,2-Dichloroethene#		N.A.
1,2-Dichloropropane		N.A.
cis-1,3-Dichloropropene		N.A.
trans-1,3-Dichloropropene		N.A.
Ethylbenzene		N.A.
Fluorotrichloromethane		N.A.
Methylene chloride		N.A.
1,1,2,2-Tetrachloroethane		N.A.
Tetrachloroethene		N.A.
Toluene		N.A.
1,1,1-Trichloroethane		N.A.
1,1,2-Trichloroethane		N.A.
Trichloroethene		N.A.
Vinyl chloride		N.A.

N.A. = Not applicable

PARAMETERS	MDL* (mg/kg)	RESULTS (mg/kg)	PARAMETERS	MDL* (mg/kg)	RESUL (mg/k
PESTICIDE/PCB FRACTION			PESTICIDE/PCB FRACTION		
Aldrin	2.0	N.D.	Endrin aldehyde	2.0	N.D.
a-BHC	2.0	N.D.	Heptachlor	2.0	N.D.
b-BHC	2.0	N.D.	Heptachlor epoxide	2.0	N.D.
d-BHC	2.0	N.D.	PCB-1242	10.0	N.D.
g-BHC	2.0	N.D.	PCB-1254	10.0	N.D.
Chlordane	10.0	N.D.	PCB-1221	10.0	N.D.
4,4'-DDD	2.0	N.D.	PCB-1232	10.0	N.D.
4,4'-DDE	2.0	N.D.	PCB-1248	10.0	N.D.
4,4'-DDT	2.0	N.D.	PCB-1260	10.0	N.D.
Dieldrin	2.0	N.D.	PCB-1016	10.0	N.D.
a-Endosulfan	2.0	N.D.	Toxaphene	10.0	N.D.
b-Endosulfan	2.0	N.D.			
Endosulfan sulfate	2.0	N.D.			
Endrin	2.0	N.D.	2,3,7,8-TCDD (Screen only)		N.R.

NOTES AND COMMENTS:
MDL = METHOD DETECTION LEVELS (U.S.E.P.A. METHOD 624/625 FEDERAL REGISTER DECEMBER, 1979.)
N.D. = NOT DETECTED
N.R. = NOT REQUESTED
BMDL = PRESENT, BELOW METHOD DETECTION LEVEL
**Anthracene coelutes with Phenanthrene and is quantitated as all Phenanthrene
***Benzo(b)fluoranthene and Benzo(k)fluoranthene coelute and are quantitated a all Benzo(k)fluoranthene.
****Chrysene coelutes with Benz(a)anthracene and is quantitated as all Benz(a) anthracene.
#cis-1,2-Dichloroethene (a non-targetted compound) coelutes with trans-1,2-Dichloroethene and the MS cannot distinguish one from the other.