



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION III  
CENTRAL REGIONAL LABORATORY  
839 BESTGATE ROAD  
ANNAPOLIS, MARYLAND 21401

ORIGINAL  
(Red)

(Red)  
ORIGINAL

104542

301-224-2740  
FTS-922-3752

DATE : June 16, 1986  
SUBJECT: Analytical Results for Blosinski Landfill  
FROM : Daniel K. Donnelly (3ES21) DFD  
Chief, Annapolis Laboratory  
TO : Tim Travers (3HW12)

Enclosed is the VOA report for the Blosinski Landfill samples. Samples were originally requested on the custody sheet to be run for VOA's as well as for the samples to be run on the Photovac. The samples were not run on the Photovac since the VOA's were done by GC/MS. If you have any questions, please give me a call.

DKD:jr

Enclosure  
a/s

303103



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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
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CENTRAL REGIONAL LABORATORY  
839 BESTGATE ROAD  
ANNAPOLIS, MARYLAND 21401

301-224-2740  
FTS-922-3752

DATE : June 12, 1986

SUBJECT: Blossinski Landfill: Water Samples for VOC's by GC/MS  
Superfund Remedial GUFA03RH49, (5/30/86-6/2/86), 860530-01-05

FROM : Rick Dreisch  
Chemist *RD*

TO : Daniel K. Donnelly  
Chief, Annapolis Lab

John Austin *ja*  
Team Leader, Organic Analysis Section

The above samples were analyzed at 25 ml for volatile organic compounds amenable to purge and trap and identifiable by GC/MS. Selective monitoring of the 62 ion of Vinyl chloride produced no acceptable ion current attributable to Vinyl chloride in any of the samples. The standard contained Vinyl chloride at 16 ug/L and values 10 times smaller would easily have been seen.

Sample Description:

<u>Lab No.</u>	<u>Description</u>
860530-01	Blossinski Landfill, Bardsley pre-filter, 09:30
-02	Blossinski Landfill, Bardsley after-filter, 09:50
-03	Blossinski Landfill, Bardsley pre-filter, 15:00
-04	Blossinski Landfill, Bardsley after-filter, 15:00
-05	Blossinski Landfill, Blank, 16:05

QA Summary:

Average % Recovery at 4 ppb<sup>1</sup>

	<u>5/30</u>
Bromochloromethane	93+8
1,4-Dichlorobutane	106+6
para-Bromofluorobenzene	95+9
n =	7

<sup>1</sup>BFB at 2 ppb

RD:er

cc: B. B. Fletcher *BBF*  
QCO

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Volatile Organics Analysis Data Sheet

Site: Blosinski Landfill  
Program: Superfund Remedial 6UFA03RH49

Units: ug/l  
NOT Preserved

Date Sampled: 29-MAY 29-MAY 29-MAY 29-MAY  
Date Analyzed: 30-MAY 30-MAY 30-MAY 30-MAY  
Dilution Factor = ( 0.2 ) ( 0.2 ) ( 0.2 ) ( 0.2 )

NBL	CAS #		860530-01	860530-02	860530-03	860530-04
10	74-87-3	Chloromethane				
10	74-83-9	Bromomethane				
10	75-01-4	Vinyl Chloride				
10	75-00-3	Chloroethane				
5	75-09-2	Methylene Chloride				
10	67-64-1	Acetone				
1	75-15-0	Carbon Disulfide				
5	75-35-4	1,1-Dichloroethene	0.02J		0.08J	
5	75-34-3	1,1-Dichloroethane				
5	156-60-5	trans-1,2-Dichloroethene				
5	65-66-3	Chloroform				
5	107-06-2	1,2-Dichloroethane				
5	78-93-3	2-Butanone				
5	71-55-6	1,1,1-Trichloroethane			2.7J	
5	56-23-5	Carbon Tetrachloride				
5	75-27-4	Bromodichloromethane				
10	79-34-5	1,1,2,2-Tetrachloroethane				
10	78-87-5	1,2-Dichloropropane				
5	10061-02-6	trans-1,3-Dichloropropene				
5	79-01-6	Trichloroethene	0.9J	0.2J	5.4	0.2J
5	124-48-1	Dibromochloromethane				
5	79-00-5	1,1,2-Trichloroethane				
5	71-43-2	Benzene				
5	10061-01-5	cis-1,3-Dichloropropene				
10	100-75-8	2-Chloroethylvinylether				
10	75-25-2	Bromoform				
5	591-78-6	2-Hexanone				
5	108-10-1	4-Methyl-2-pentanone				
5	127-18-4	Tetrachloroethene			0.1J	
5	108-88-3	Toluene				
5	108-90-7	Chlorobenzene				
5	100-41-4	Ethylbenzene				
5	100-42-4	Styrene				
5		(o & p)-Xylene isomers(1)				
5	106-42-3	m-Xylene				
5	541-73-1	1,3-Dichlorobenzene				
5	106-46-7	1,4-Dichlorobenzene				
5	95-50-1	1,2-Dichlorobenzene				

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NQL = Nominal Quantitation Limit  
J = Estimated value; presence of compounds is indicated, but the response is less than the quantitation limit  
Actual Quantitation Limit = Dilution Factor x NQL  
(1) = Calculated from o-Xylene

Blosinski Landfill

Non-Standard Equatable Compounds

	<u>860530-01</u> ug/L	<u>860530-02</u> ug/L	<u>860530-03</u> ug/L	<u>860530-04</u> ug/L
cis-1,2-Dichloroethylene	0.1J	0.1J	1.0J	0.1J
1,1,2-Trichloro- 1,2,2-Trifluoroethane	0.3J	--	1.3J	--

CHAIN OF CUSTODY RECORD

PROJ. NO.	PROJECT NAME	NO. OF CONTAINERS		STATION LOCATION	REMARKS
		COMB	GRAB		
	B. LF Moriah Connolly				
SAMPLERS: (Signature) <i>Moriah Connolly</i>					
STA. NO.	DATE	TIME			
1	5/15/86	0930	X	BAROSLEY PRE	3 2 1 86053001
2	5/15/86	0950	X	BAROSLEY AFTER	3 2 1 86053002
3	5/15/86	1500	X	BAROSLEY PRE	3 2 1 86053003
4	5/15/86	1500	X	BAROSLEY AFTER	3 2 1 86053004
5	5/15/86	1605	X	BANK	2 2 86053005
					VOA BOTTLES WITH 27 ml
					60 TO JIM TERPE FOR
					PHOTOGRAPH HEADSPACE ANALYSIS
					OTHERS TO BE ANALYZED
					FOR VINYL CHLORIDE +
					TCE ONLY
Relinquished by: (Signature) <i>Moriah Connolly</i>	Date / Time 5/18/86 1630	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature) <i>James R. Johnson</i>	Date / Time 5-30-86 11:50	Date / Time	Remarks SHIPPED FEED EX LAB # 132788175