

328231



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5607

Respectfully Submitted:

MW-1 11:05
NITRO SANITATION LANDFILL 3103

Sampled by CLIENT
Date Received 03/28/90

Date Sampled 03/27/90

PRIORITY POLLUTANTS: VOLATILE FRACTION
Purge/Trap/Desorb
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED DATE/TIME/ANALYST
Chloroethane[74-87-3]	ND	10	ug/L	SW8240	04/03/90 17:38 DAA
Bromoethane[74-83-9]	ND	10	ug/L	SW8240	04/03/90 17:38 DAA
Vinyl Chloride[75-01-4]	ND	10	ug/L	SW8240	04/03/90 17:38 DAA
Chloroethane[75-00-3]	ND	10	ug/L	SW8240	04/03/90 17:38 DAA
Methylene Chloride[75-09-2]	ND	10	ug/L	SW8240	04/03/90 17:38 DAA
1,1-Dichloroethene[75-35-4]	ND	10	ug/L	SW8240	04/03/90 17:38 DAA
1,1-Dichloroethane[75-34-3]	ND	10	ug/L	SW8240	04/03/90 17:38 DAA
Trans-1,2-Dichloroethene[156-60-5]	ND	10	ug/L	SW8240	04/03/90 17:38 DAA
lorofors[67-66-3]	ND	10	ug/L	SW8240	04/03/90 17:38 D
1,2-Dichloroethane[107-06-2]	ND	10	ug/L	SW8240	04/03/90 17:38 D
1,1,1-Trichloroethane	ND	10	ug/L	SW8240	04/03/90 17:38 DAA
Carbon Tetrachloride[56-23-5]	ND	10	ug/L	SW8240	04/03/90 17:38 DAA
Bromodichloroethane[75-27-4]	ND	10	ug/L	SW8240	04/03/90 17:38 DAA
1,2-Dichloropropane[78-87-5]	ND	10	ug/L	SW8240	04/03/90 17:38 DAA
trans-1,3-Dichloropropene[10061-02-6]	ND	10	ug/L	SW8240	04/03/90 17:38 DAA
cis-1,3-Dichloropropene[10061-01-5]	ND	10	ug/L	SW8240	04/03/90 17:38 DAA
Trichloroethene[79-01-6]	ND	10	ug/L	SW8240	04/03/90 17:38 DAA
Dibromochloroethane[124-48-1]	ND	10	ug/L	SW8240	04/03/90 17:38 DAA
1,1,2-Trichloroethane[79-00-5]	ND	10	ug/L	SW8240	04/03/90 17:38 DAA
2-Chloroethylvinylether[110-75-8]	ND	20	ug/L	SW8240	04/03/90 17:38 DAA
Bromoform[75-25-2]	ND	10	ug/L	SW8240	04/03/90 17:38 DAA
1,1,2,2-Tetrachloroethane[79-34-5]	ND	10	ug/L	SW8240	04/03/90 17:38 DAA
Tetrachloroethene[127-18-4]	ND	10	ug/L	SW8240	04/03/90 17:38 DAA
Benzene[71-43-2]	ND	10	ug/L	SW8240	04/03/90 17:38 DAA
Toluene[108-88-3]	ND	10	ug/L	SW8240	04/03/90 17:38 DAA
Ethylbenzene[100-41-4]	ND	10	ug/L	SW8240	04/03/90 17:38 DAA
Chlorobenzene[106-90-7]	ND	10	ug/L	SW8240	04/03/90 17:38 DAA

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit.

REF: USEPA; Test Methods For Evaluating Solid Waste; SW-846, 3rd Ed.; Nov, 1986.

AR100285



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston—Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5607

Respectfully
Submitted:

MW-1 11:05
NITRO SANITATION LANDFILL 3103

Sampled by CLIENT
Date Received 03/28/90

RCM

Date Sampled 03/27/90

PAGE 2

PRIORITY POLLUTANTS: VOLATILE FRACTION
Purge/Trap/Desorb
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED DATE/TIME/ANALYST
Acrylonitrile[107-13-1]	ND	100	ug/L	SW8240	04/03/90 17:38 DAA
Acrolein[107-02-8]	ND	100	ug/L	SW8240	04/03/90 17:38 DAA
SURROGATE RECOVERY-VOLATILE FRACTION					
1,2-Dichloroethane-d4 (SURROGATE)	100	-----	% REC	SW8240	04/03/90 17:38 DAA
Toluene-d8 (SURROGATE)	109	-----	% REC	SW8240	04/03/90 17:38 DAA
Bromofluorobenzene (SURROGATE)	110	-----	% REC	SW8240	04/03/90 17:38 DAA

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit.

REF: USEPA; Test Methods For Evaluating Solid Waste; SW-846, 3rd Ed.; Nov, 1986.

AR100286

1258 GREENBRIER STREET, CHARLESTON, WEST VIRGINIA 25311 — TELEPHONE 304 346-0725

4643 BENSON AVENUE, BALTIMORE, MARYLAND 21227 — TELEPHONE 301 247-7400

CINCINNATI, OHIO AREA — TELEPHONE 513 421-3872 OR 800 344-0084



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5608

Respectfully
Submitted:

MW-3 16:35
NITRO SANITATION LANDFILL 3103

Sampled by CLIENT
Date Received 03/28/90

RCM

Date Sampled 03/27/90

PRIORITY POLLUTANTS: VOLATILE FRACTION
Purge/Trap/Desorb
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED DATE/TIME/ANALYST
Chloroethane[74-87-3]	ND	10	ug/L	SW8240	04/03/90 18:27 DAA
Bromoethane[74-83-9]	ND	10	ug/L	SW8240	04/03/90 18:27 DAA
Vinyl Chloride[75-01-4]	ND	10	ug/L	SW8240	04/03/90 18:27 DAA
Chloroethane[75-00-3]	ND	10	ug/L	SW8240	04/03/90 18:27 DAA
Methylene Chloride[75-09-2]	ND	10	ug/L	SW8240	04/03/90 18:27 DAA
1,1-Dichloroethene[75-35-4]	ND	10	ug/L	SW8240	04/03/90 18:27 DAA
1,1-Dichloroethane[75-34-3]	ND	10	ug/L	SW8240	04/03/90 18:27 DAA
trans-1,2-Dichloroethene[156-60-5]	ND	10	ug/L	SW8240	04/03/90 18:27 DAA
Chloroform[67-66-3]	ND	10	ug/L	SW8240	04/03/90 18:27 DAA
1,2-Dichloroethane[107-06-2]	ND	10	ug/L	SW8240	04/03/90 18:27 DAA
1,1,1-Trichloroethane	ND	10	ug/L	SW8240	04/03/90 18:27 DAA
Carbon Tetrachloride[56-23-5]	ND	10	ug/L	SW8240	04/03/90 18:27 DAA
Bromodichloroethane[75-27-4]	ND	10	ug/L	SW8240	04/03/90 18:27 DAA
1,2-Dichloropropane[78-87-5]	ND	10	ug/L	SW8240	04/03/90 18:27 DAA
trans-1,3-Dichloropropene[10061-02-6]	ND	10	ug/L	SW8240	04/03/90 18:27 DAA
cis-1,3-Dichloropropene[10061-01-5]	ND	10	ug/L	SW8240	04/03/90 18:27 DAA
Trichloroethene[79-01-6]	ND	10	ug/L	SW8240	04/03/90 18:27 DAA
Dibromochloroethane[124-48-1]	ND	10	ug/L	SW8240	04/03/90 18:27 DAA
1,1,2-Trichloroethane[79-00-5]	ND	10	ug/L	SW8240	04/03/90 18:27 DAA
2-Chloroethylvinylether[110-75-8]	ND	20	ug/L	SW8240	04/03/90 18:27 DAA
Bromoform[75-25-2]	ND	10	ug/L	SW8240	04/03/90 18:27 DAA
1,1,2,2-Tetrachloroethane[79-34-5]	ND	10	ug/L	SW8240	04/03/90 18:27 DAA
Tetrachloroethene[127-18-4]	ND	10	ug/L	SW8240	04/03/90 18:27 DAA
Benzene[71-43-2]	ND	10	ug/L	SW8240	04/03/90 18:27 DAA
Toluene[108-88-3]	ND	10	ug/L	SW8240	04/03/90 18:27 DAA
Ethylbenzene[100-41-4]	ND	10	ug/L	SW8240	04/03/90 18:27 DAA
Chlorobenzene[108-90-7]	ND	10	ug/L	SW8240	04/03/90 18:27 DAA

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit.

REF: USEPA; Test Methods For Evaluating Solid Waste; SW-846, 3rd Ed.; Nov, 1986.

ARI00287



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston—Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5608

Respectfully
Submitted:

MW-3 16:35
NITRO SANITATION LANDFILL 3103

Sampled by CLIENT
Date Received 03/28/90

Date Sampled 03/27/90

PAGE

PRIORITY POLLUTANTS: VOLATILE FRACTION
Purge/Trap/Desorb
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED DATE/TIME/ANALYST
Acrylonitrile[107-13-1]	ND	100	ug/L	SW8240	04/03/90 18:27 DAA
Acrolein[107-02-8]	ND	100	ug/L	SW8240	04/03/90 18:27 DAA
SURROGATE RECOVERY—VOLATILE FRACTION					
1,2-Dichloroethane-d4 (SURROGATE)	95	-----	% REC	SW8240	04/03/90 18:27 DAA
Toluene-d8 (SURROGATE)	101	-----	% REC	SW8240	04/03/90 18:27 DAA
Bromofluorobenzene (SURROGATE)	99	-----	% REC	SW8240	04/03/90 18:27 DAA

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit.

REF: USEPA; Test Methods For Evaluating Solid Waste; SW-846, 3rd Ed.; Nov, 1986.

ARI00288



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston—Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5609

Respectfully
Submitted:

MW-4 17100
NITRO SANITATION LANDFILL 3103

Sampled by CLIENT
Date Received 03/28/90

RC My

Date Sampled 03/27/90

PRIORITY POLLUTANTS: VOLATILE FRACTION
Purge/Trap/Desorb
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED DATE/TIME/ANALYST
Chloroethane[74-87-3]	ND	10	ug/L	SW8240	04/03/90 19:15 DAA
Bromoethane[74-83-9]	ND	10	ug/L	SW8240	04/03/90 19:15 DAA
Vinyl Chloride[75-01-4]	ND	10	ug/L	SW8240	04/03/90 19:15 DAA
Chloroethane[75-00-3]	ND	10	ug/L	SW8240	04/03/90 19:15 DAA
Methylene Chloride[75-09-2]	ND	10	ug/L	SW8240	04/03/90 19:15 DAA
1,1-Dichloroethene[75-35-4]	ND	10	ug/L	SW8240	04/03/90 19:15 DAA
1,1-Dichloroethane[75-34-3]	ND	10	ug/L	SW8240	04/03/90 19:15 DAA
trans-1,2-Dichloroethene[156-60-5]	ND	10	ug/L	SW8240	04/03/90 19:15 D
Chloroform[67-66-3]	ND	10	ug/L	SW8240	04/03/90 19:15 L
1,2-Dichloroethane[107-06-2]	ND	10	ug/L	SW8240	04/03/90 19:15 DAA
1,1,1-Trichloroethane	ND	10	ug/L	SW8240	04/03/90 19:15 DAA
Carbon Tetrachloride[56-23-5]	ND	10	ug/L	SW8240	04/03/90 19:15 DAA
Bromodichloroethane[75-27-4]	ND	10	ug/L	SW8240	04/03/90 19:15 DAA
1,2-Dichloropropane[78-87-5]	ND	10	ug/L	SW8240	04/03/90 19:15 DAA
trans-1,3-Dichloropropene[10061-02-6]	ND	10	ug/L	SW8240	04/03/90 19:15 DAA
cis-1,3-Dichloropropene[10061-01-5]	ND	10	ug/L	SW8240	04/03/90 19:15 DAA
Trichloroethene[79-01-6]	ND	10	ug/L	SW8240	04/03/90 19:15 DAA
Dibromochloroethane[124-48-1]	ND	10	ug/L	SW8240	04/03/90 19:15 DAA
1,1,2-Trichloroethane[79-00-5]	ND	10	ug/L	SW8240	04/03/90 19:15 DAA
2-Chloroethylvinylether[110-75-8]	ND	20	ug/L	SW8240	04/03/90 19:15 DAA
Bromoform[75-25-2]	ND	10	ug/L	SW8240	04/03/90 19:15 DAA
1,1,2,2-Tetrachloroethane[79-34-5]	ND	10	ug/L	SW8240	04/03/90 19:15 DAA
Tetrachloroethene[127-18-4]	ND	10	ug/L	SW8240	04/03/90 19:15 DAA
Benzene[71-43-2]	ND	10	ug/L	SW8240	04/03/90 19:15 DAA
Toluene[108-88-3]	ND	10	ug/L	SW8240	04/03/90 19:15 DAA
Ethylbenzene[100-41-4]	ND	10	ug/L	SW8240	04/03/90 19:15 DAA
Chlorobenzene[108-90-7]	ND	10	ug/L	SW8240	04/03/90 19:15 DAA

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit.

REF: USEPA; Test Methods For Evaluating Solid Waste; SW-846, 3rd Ed.; Nov, 1986.

AR100289



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston—Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5609

Respectfully
Submitted:

MW-4 17:00
NITRO SANITATION LANDFILL 3103

Sampled by CLIENT
Date Received 03/28/90

RCM

Date Sampled 03/27/90

PAGE

PRIORITY POLLUTANTS: VOLATILE FRACTION
Purge/Trap/Desorb
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED DATE/TIME/ANALYST
Acrylonitrile[107-13-1]	ND	100	ug/L	SW8240	04/03/90 19:15 DAA
Acrolein[107-02-8]	ND	100	ug/L	SW8240	04/03/90 19:15 DAA
SURROGATE RECOVERY—VOLATILE FRACTION					
1,2-Dichloroethane-d4 (SURROGATE)	93	————	% REC	SW8240	04/03/90 19:15 DAA
Toluene-d8 (SURROGATE)	102	————	% REC	SW8240	04/03/90 19:15 DAA
Bromofluorobenzene (SURROGATE)	102	————	% REC	SW8240	04/03/90 19:15 DAA

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit.

REF: USEPA; Test Methods For Evaluating Solid Waste; SW-846, 3rd Ed.; Nov, 1986.

AR100290



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5610

Respectfully
Submitted:

W-1 11:15
NITRO SANITATION LANDFILL 3103

Sampled by CLIENT
Date Received 03/28/90

RCM

Date Sampled 03/27/90

PRIORITY POLLUTANTS: VOLATILE FRACTION
Purge/Trap/Desorb
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED		
					DATE/TIME/ANALYST		
Chloroethane[74-87-3]	ND	10	ug/L	SW8240	04/03/90	20:04	DAA
Bromoethane[74-83-9]	ND	10	ug/L	SW8240	04/03/90	20:04	DAA
Vinyl Chloride[75-01-4]	ND	10	ug/L	SW8240	04/03/90	20:04	DAA
Chloroethane[75-00-3]	ND	10	ug/L	SW8240	04/03/90	20:04	DAA
Methylene Chloride[75-09-2]	ND	10	ug/L	SW8240	04/03/90	20:04	DAA
1,1-Dichloroethene[75-35-4]	ND	10	ug/L	SW8240	04/03/90	20:04	DAA
1,1-Dichloroethane[75-34-3]	ND	10	ug/L	SW8240	04/03/90	20:04	DAA
Trans-1,2-Dichloroethene[156-60-5]	ND	10	ug/L	SW8240	04/03/90	20:04	DAA
Chloroform[67-66-3]	ND	10	ug/L	SW8240	04/03/90	20:04	DAA
1,1-Dichloroethane[107-06-2]	ND	10	ug/L	SW8240	04/03/90	20:04	DAA
1,1,1-Trichloroethane	ND	10	ug/L	SW8240	04/03/90	20:04	DAA
Carbon Tetrachloride[56-23-5]	ND	10	ug/L	SW8240	04/03/90	20:04	DAA
Bromodichloroethane[75-27-4]	ND	10	ug/L	SW8240	04/03/90	20:04	DAA
1,2-Dichloropropane[78-87-5]	ND	10	ug/L	SW8240	04/03/90	20:04	DAA
trans-1,3-Dichloropropene[10061-02-6]	ND	10	ug/L	SW8240	04/03/90	20:04	DAA
cis-1,3-Dichloropropene[10061-01-5]	ND	10	ug/L	SW8240	04/03/90	20:04	DAA
Trichloroethene[79-01-6]	ND	10	ug/L	SW8240	04/03/90	20:04	DAA
Dibromochloroethane[124-48-1]	ND	10	ug/L	SW8240	04/03/90	20:04	DAA
1,1,2-Trichloroethane[79-00-5]	ND	10	ug/L	SW8240	04/03/90	20:04	DAA
2-Chloroethylvinylether[110-75-8]	ND	20	ug/L	SW8240	04/03/90	20:04	DAA
Bromoform[75-25-2]	ND	10	ug/L	SW8240	04/03/90	20:04	DAA
1,1,2,2-Tetrachloroethane[79-34-5]	ND	10	ug/L	SW8240	04/03/90	20:04	DAA
Tetrachloroethene[127-18-4]	ND	10	ug/L	SW8240	04/03/90	20:04	DAA
Benzene[71-43-2]	ND	10	ug/L	SW8240	04/03/90	20:04	DAA
Toluene[108-88-3]	ND	10	ug/L	SW8240	04/03/90	20:04	DAA
Ethylbenzene[100-41-4]	ND	10	ug/L	SW8240	04/03/90	20:04	DAA
Chlorobenzene[108-90-7]	ND	10	ug/L	SW8240	04/03/90	20:04	DAA

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit.

REF: USEPA; Test Methods For Evaluating Solid Waste; SW-846, 3rd Ed.; Nov, 1986.

AR100291



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5610

Respectfully
Submitted:

W-1 11:15
NITRO SANITATION LANDFILL 3103

Sampled by CLIENT
Date Received 03/28/90

RCM

Date Sampled 03/27/90

PAGE

PRIORITY POLLUTANTS: VOLATILE FRACTION
Purge/Trap/Desorb
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED		
					DATE	TIME	ANALYST
Acrylonitrile[107-13-1]	ND	100	ug/L	SW8240	04/03/90	20:04	DAA
Acrolein[107-02-8]	ND	100	ug/L	SW8240	04/03/90	20:04	DAA
SURROGATE RECOVERY-VOLATILE FRACTION							
1,2-Dichloroethane-d4 (SURROGATE)	92	-----	% REC	SW8240	04/03/90	20:04	DAA
Toluene-d8 (SURROGATE)	108	-----	% REC	SW8240	04/03/90	20:04	DAA
Bromofluorobenzene (SURROGATE)	106	-----	% REC	SW8240	04/03/90	20:04	DAA

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit.

REF: USEPA; Test Methods For Evaluating Solid Waste; SW-846, 3rd Ed.; Nov, 1986.

AR100292



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5611

Respectfully
Submitted:

W-2 11:25
NITRO SANITATION LANDFILL 3103

Sampled by CLIENT
Date Received 03/28/90

Date Sampled 03/27/90

PRIORITY POLLUTANTS: VOLATILE FRACTION
Purge/Trap/Desorb
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED DATE/TIME/ANALYST
Chloroethane[74-87-3]	ND	10	ug/L	SW8240	04/03/90 20:53 DAA
Bromoethane[74-83-9]	ND	10	ug/L	SW8240	04/03/90 20:53 DAA
Vinyl Chloride[75-01-4]	ND	10	ug/L	SW8240	04/03/90 20:53 DAA
Chloroethane[75-00-3]	ND	10	ug/L	SW8240	04/03/90 20:53 DAA
Methylene Chloride[75-09-2]	ND	10	ug/L	SW8240	04/03/90 20:53 DAA
1,1-Dichloroethene[75-35-4]	ND	10	ug/L	SW8240	04/03/90 20:53 DAA
1,1-Dichloroethane[75-34-3]	ND	10	ug/L	SW8240	04/03/90 20:53 DAA
Trans-1,2-Dichloroethene[156-60-5]	ND	10	ug/L	SW8240	04/03/90 20:53 DAA
Iodoform[67-66-3]	ND	10	ug/L	SW8240	04/03/90 20:53 I
1,2-Dichloroethane[107-06-2]	ND	10	ug/L	SW8240	04/03/90 20:53 DAA
1,1,1-Trichloroethane	ND	10	ug/L	SW8240	04/03/90 20:53 DAA
Carbon Tetrachloride[56-23-5]	ND	10	ug/L	SW8240	04/03/90 20:53 DAA
Bromodichloroethane[75-27-4]	ND	10	ug/L	SW8240	04/03/90 20:53 DAA
1,2-Dichloropropane[78-87-5]	ND	10	ug/L	SW8240	04/03/90 20:53 DAA
trans-1,3-Dichloropropene[10061-02-6]	ND	10	ug/L	SW8240	04/03/90 20:53 DAA
cis-1,3-Dichloropropene[10061-01-5]	ND	10	ug/L	SW8240	04/03/90 20:53 DAA
Trichloroethene[79-01-6]	ND	10	ug/L	SW8240	04/03/90 20:53 DAA
Dibromochloroethane[124-48-1]	ND	10	ug/L	SW8240	04/03/90 20:53 DAA
1,1,2-Trichloroethane[79-00-5]	ND	10	ug/L	SW8240	04/03/90 20:53 DAA
2-Chloroethylvinylether[110-75-8]	ND	20	ug/L	SW8240	04/03/90 20:53 DAA
Bromoform[75-25-2]	ND	10	ug/L	SW8240	04/03/90 20:53 DAA
1,1,2,2-Tetrachloroethane[79-34-5]	ND	10	ug/L	SW8240	04/03/90 20:53 DAA
Tetrachloroethene[127-18-4]	ND	10	ug/L	SW8240	04/03/90 20:53 DAA
Benzene[71-43-2]	ND	10	ug/L	SW8240	04/03/90 20:53 DAA
Toluene[108-88-3]	ND	10	ug/L	SW8240	04/03/90 20:53 DAA
Ethylbenzene[100-41-4]	ND	10	ug/L	SW8240	04/03/90 20:53 DAA
Chlorobenzene[108-90-7]	ND	10	ug/L	SW8240	04/03/90 20:53 DAA

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit.

REF: USEPA; Test Methods For Evaluating Solid Waste; SW-846, 3rd Ed.; Nov, 1986.

AR100293



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5611

Respectfully
Submitted:

W-2 11:25
NITRO SANITATION LANDFILL 3103

Sampled by CLIENT
Date Received 03/28/90

RCM

Date Sampled 03/27/90

PAGE 2

PRIORITY POLLUTANTS: VOLATILE FRACTION
Purge/Trap/Desorb
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED	
					DATE/TIME/ANALYST	
Acrylonitrile[107-13-1]	ND	100	ug/L	SW8240	04/03/90	20:53 DAA
Acrolein[107-02-8]	ND	100	ug/L	SW8240	04/03/90	20:53 DAA
SURROGATE RECOVERY-VOLATILE FRACTION						
1,2-Dichloroethane-d4 (SURROGATE)	91	-----	% REC	SW8240	04/03/90	20:53 DAA
Toluene-d8 (SURROGATE)	99	-----	% REC	SW8240	04/03/90	20:53 DAA
Bromofluorobenzene (SURROGATE)	100	-----	% REC	SW8240	04/03/90	20:53 DAA

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit.

REF: USEPA; Test Methods For Evaluating Solid Waste; SW-846, 3rd Ed.; Nov, 1986.



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5612

Respectfully
Submitted:

W-3 10:30
NITRO SANITATION LANDFILL 3103

Sampled by CLIENT
Date Received 03/28/90

Date Sampled 03/28/90

PRIORITY POLLUTANTS: VOLATILE FRACTION
Purge/Trap/Desorb
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED DATE/TIME/ANALYST
Chloroethane[74-87-3]	ND	10	ug/L	SW8240	04/03/90 21:42 DAA
Bromoethane[74-83-9]	ND	10	ug/L	SW8240	04/03/90 21:42 DAA
Vinyl Chloride[75-01-4]	ND	10	ug/L	SW8240	04/03/90 21:42 DAA
Chloroethane[75-00-3]	ND	10	ug/L	SW8240	04/03/90 21:42 DAA
Methylene Chloride[75-09-2]	ND	10	ug/L	SW8240	04/03/90 21:42 DAA
1,1-Dichloroethane[75-35-4]	ND	10	ug/L	SW8240	04/03/90 21:42 DAA
1,1-Dichloroethane[75-34-3]	ND	10	ug/L	SW8240	04/03/90 21:42 DAA
Trans-1,2-Dichloroethane[156-60-5]	ND	10	ug/L	SW8240	04/03/90 21:42 DAA
1,1,1-Trichloroethane[67-66-3]	ND	10	ug/L	SW8240	04/03/90 21:42 DAA
1,2-Dichloroethane[107-06-2]	ND	10	ug/L	SW8240	04/03/90 21:42 DAA
1,1,1-Trichloroethane	ND	10	ug/L	SW8240	04/03/90 21:42 DAA
Carbon Tetrachloride[56-23-5]	ND	10	ug/L	SW8240	04/03/90 21:42 DAA
Bromodichloroethane[75-27-4]	ND	10	ug/L	SW8240	04/03/90 21:42 DAA
1,2-Dichloropropane[78-87-5]	ND	10	ug/L	SW8240	04/03/90 21:42 DAA
trans-1,3-Dichloropropene[10061-02-6]	ND	10	ug/L	SW8240	04/03/90 21:42 DAA
cis-1,3-Dichloropropene[10061-01-5]	ND	10	ug/L	SW8240	04/03/90 21:42 DAA
Trichloroethene[79-01-6]	ND	10	ug/L	SW8240	04/03/90 21:42 DAA
Dibromochloroethane[124-48-1]	ND	10	ug/L	SW8240	04/03/90 21:42 DAA
1,1,2-Trichloroethane[79-00-5]	ND	10	ug/L	SW8240	04/03/90 21:42 DAA
3-Chloroethylvinylether[110-75-8]	ND	20	ug/L	SW8240	04/03/90 21:42 DAA
Bromoform[75-25-2]	ND	10	ug/L	SW8240	04/03/90 21:42 DAA
1,1,2,2-Tetrachloroethane[79-34-5]	ND	10	ug/L	SW8240	04/03/90 21:42 DAA
Tetrachloroethene[127-18-4]	ND	10	ug/L	SW8240	04/03/90 21:42 DAA
Benzene[71-43-2]	ND	10	ug/L	SW8240	04/03/90 21:42 DAA
Toluene[108-88-3]	ND	10	ug/L	SW8240	04/03/90 21:42 DAA
Ethylbenzene[100-41-4]	ND	10	ug/L	SW8240	04/03/90 21:42 DAA
Chlorobenzene[108-90-7]	ND	10	ug/L	SW8240	04/03/90 21:42 DAA

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit.

REF: USEPA; Test Methods For Evaluating Solid Waste; SW-846, 3rd Ed.; Nov, 1986.

AR100295



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5612

Respectfully
Submitted:

W-3 10:30
NITRO SANITATION LANDFILL 3103

Sampled by CLIENT
Date Received 03/28/90

RC Murphy

Date Sampled 03/28/90

PAGE

PRIORITY POLLUTANTS: VOLATILE FRACTION
Purge/Trap/Desorb
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED DATE/TIME/ANALYST
Acrylonitrile(107-13-1)	ND	100	ug/L	SW8240	04/03/90 21:42 DAA
Acrolein(107-02-8)	ND	100	ug/L	SW8240	04/03/90 21:42 DAA
SURROGATE RECOVERY-VOLATILE FRACTION					
1,2-Dichloroethane-d4 (SURROGATE)	89	-----	% REC	SW8240	04/03/90 21:42 DAA
Toluene-d8 (SURROGATE)	90	-----	% REC	SW8240	04/03/90 21:42 DAA
Bromofluorobenzene (SURROGATE)	96	-----	% REC	SW8240	04/03/90 21:42 DAA

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit.

REF: USEPA; Test Methods For Evaluating Solid Waste; SW-846, 3rd Ed.; Nov, 1986.

AR100296



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5613

Respectfully
Submitted:

W-4 10:35
NITRO SANITATION LANDFILL 3103

Sampled by CLIENT
Date Received 03/28/90

RCM

Date Sampled 03/28/90

PRIORITY POLLUTANTS: VOLATILE FRACTION
Purge/Trap/Desorb
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED	
					DATE/TIME	ANALYST
Chloroethane[74-87-3]	ND	10	ug/L	SW8240	04/03/90	22:30 DAA
Bromoethane[74-83-9]	ND	10	ug/L	SW8240	04/03/90	22:30 DAA
Vinyl Chloride[75-01-4]	ND	10	ug/L	SW8240	04/03/90	22:30 DAA
Chloroethane[75-00-3]	ND	10	ug/L	SW8240	04/03/90	22:30 DAA
Methylene Chloride[75-09-2]	ND	10	ug/L	SW8240	04/03/90	22:30 DAA
1,1-Dichloroethane[75-35-4]	ND	10	ug/L	SW8240	04/03/90	22:30 DAA
1,1-Dichloroethane[75-34-3]	ND	10	ug/L	SW8240	04/03/90	22:30 DAA
Trans-1,2-Dichloroethane[156-60-5]	ND	10	ug/L	SW8240	04/03/90	22:30 DAA
Chloroform[67-66-3]	ND	10	ug/L	SW8240	04/03/90	22:30 D
1,2-Dichloroethane[107-06-2]	ND	10	ug/L	SW8240	04/03/90	22:30 DAA
1,1,1-Trichloroethane	ND	10	ug/L	SW8240	04/03/90	22:30 DAA
Carbon Tetrachloride[56-23-5]	ND	10	ug/L	SW8240	04/03/90	22:30 DAA
Bromodichloroethane[75-27-4]	ND	10	ug/L	SW8240	04/03/90	22:30 DAA
1,2-Dichloropropane[78-87-5]	ND	10	ug/L	SW8240	04/03/90	22:30 DAA
trans-1,3-Dichloropropene[10061-02-6]	ND	10	ug/L	SW8240	04/03/90	22:30 DAA
cis-1,3-Dichloropropene[10061-01-5]	ND	10	ug/L	SW8240	04/03/90	22:30 DAA
Trichloroethene[79-01-6]	ND	10	ug/L	SW8240	04/03/90	22:30 DAA
Dibromochloroethane[124-48-1]	ND	10	ug/L	SW8240	04/03/90	22:30 DAA
1,1,2-Trichloroethane[79-00-5]	ND	10	ug/L	SW8240	04/03/90	22:30 DAA
2-Chloroethylvinylether[110-75-8]	ND	20	ug/L	SW8240	04/03/90	22:30 DAA
Bromoform[75-25-2]	ND	10	ug/L	SW8240	04/03/90	22:30 DAA
1,1,2,2-Tetrachloroethane[79-34-5]	ND	10	ug/L	SW8240	04/03/90	22:30 DAA
Tetrachloroethene[127-18-4]	ND	10	ug/L	SW8240	04/03/90	22:30 DAA
Benzene[71-43-2]	ND	10	ug/L	SW8240	04/03/90	22:30 DAA
Toluene[108-88-3]	ND	10	ug/L	SW8240	04/03/90	22:30 DAA
Ethylbenzene[100-41-4]	ND	10	ug/L	SW8240	04/03/90	22:30 DAA
Chlorobenzene[108-90-7]	ND	10	ug/L	SW8240	04/03/90	22:30 DAA

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit.

REF: USEPA; Test Methods For Evaluating Solid Waste; SW-646, 3rd Ed.; Nov, 1986.

AR100297



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5613

Respectfully
Submitted:

W-4 10:35
NITRO SANITATION LANDFILL 3103

Sampled by CLIENT
Date Received 03/28/90

RCM

Date Sampled 03/28/90

PAGE 2

PRIORITY POLLUTANTS: VOLATILE FRACTION
Purge/Trap/Desorb
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED DATE/TIME/ANALYST
Acrylonitrile[107-13-1]	ND	100	ug/L	SW8240	04/03/90 22:30 DAA
Acrolein[107-02-8]	ND	100	ug/L	SW8240	04/03/90 22:30 DAA
SURROGATE RECOVERY-VOLATILE FRACTION					
1,2-Dichloroethane-d4 (SURROGATE)	99	-----	X REC	SW8240	04/03/90 22:30 DAA
Toluene-d8 (SURROGATE)	105	-----	X REC	SW8240	04/03/90 22:30 DAA
Bromofluorobenzene (SURROGATE)	103	-----	X REC	SW8240	04/03/90 22:30 DAA

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit.

REF: USEPA; Test Methods For Evaluating Solid Waste; SW-846, 3rd Ed.; Nov, 1986.

AR100298



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5614

Respectfully
Submitted:

NW-1 16:45
NITRO SANITATION LANDFILL 3103

Sampled by CLIENT
Date Received 03/28/90

RCM

Date Sampled 03/27/90

PRIORITY POLLUTANTS: ACID EXTRACTABLE FRACTION
Liquid: Liquid Extraction
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED DATE/TIME/ANALYST
Phenol[100-93-2]	ND	10	ug/L	SW8270	04/07/90 15:14 JR
2-Chlorophenol[95-57-8]	ND	10	ug/L	SW8270	04/07/90 15:14 JR
2-Nitrophenol[88-75-5]	ND	10	ug/L	SW8270	04/07/90 15:14 JR
2,4-Dimethylphenol[105-67-9]	ND	10	ug/L	SW8270	04/07/90 15:14 JR
2,4-Dichlorophenol[120-83-2]	ND	10	ug/L	SW8270	04/07/90 15:14 JR
4-Chloro-3-methylphenol[59-50-7]	ND	10	ug/L	SW8270	04/07/90 15:14 JR
2,4,6-Trichlorophenol[88-06-2]	ND	10	ug/L	SW8270	04/07/90 15:14 JR
2,4-Dinitrophenol[51-28-5]	ND	50	ug/L	SW8270	04/07/90 15:14 JR
4-Nitrophenol[100-02-7]	ND	50	ug/L	SW8270	04/07/90 15:14 JR
2-Methyl-4,6-dinitrophenol[534-52-1]	ND	50	ug/L	SW8270	04/07/90 15:14 JR
Pentachlorophenol[87-86-5]	ND	50	ug/L	SW8270	04/07/90 15:14 JR
SURROGATE RECOVERY-ACID FRACTION					
2-Fluorophenol(SURROGATE)	55	-----	X REC	SW8270	04/07/90 15:14 JR
Phenol-d6(SURROGATE)	41	-----	X REC	SW8270	04/07/90 15:14 JR
2,4,6-Tribromophenol(SURROGATE)	125	-----	X REC	SW8270	04/07/90 15:14 JR *

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit.

REF: USEPA; Test Methods For Evaluating Solid Waste; SW-846, 3rd Ed.; Nov, 1986.

* Recovery was higher than the normally accepted value.

AR100299



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5614

Respectfully
Submitted:

MW-1 16:45
NITRO SANITATION LANDFILL 3103

Sampled by CLIENT
Date Received 03/28/90

R C M

Date Sampled 03/27/90

PRIORITY POLLUTANTS: BASE/NEUTRAL EXTRACTABLE FRACTION
Liquid:Liquid Extraction
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED		
					DATE/TIME/ANALYST		
N-Nitrosodimethylamine[62-75-9]	ND	50	ug/L	SW8270	04/09/90	17:54	JR
Bis(2-chloroethyl) ether[111-44-4]	ND	10	ug/L	SW8270	04/09/90	17:54	JR
1,3-Dichlorobenzene[541-73-1]	ND	10	ug/L	SW8270	04/09/90	17:54	JR
1,4-Dichlorobenzene[106-46-7]	ND	10	ug/L	SW8270	04/09/90	17:54	JR
1,2-Dichlorobenzene[95-50-1]	ND	10	ug/L	SW8270	04/09/90	17:54	JR
Bis(2-chloroisopropyl) ether[39638-32-9]	ND	10	ug/L	SW8270	04/09/90	17:54	JR
N-Nitrosodi-n-propylamine[621-64-7]	ND	20	ug/L	SW8270	04/09/90	17:54	JR
Nitrobenzene[98-95-3]	ND	10	ug/L	SW8270	04/09/90	17:54	JR
1,1-Dichloroethane[67-72-1]	ND	10	ug/L	SW8270	04/09/90	17:54	JR
Isophorone[78-59-1]	ND	10	ug/L	SW8270	04/09/90	17:54	JR
Bis(2-Chloroethoxy)methane[111-91-1]	ND	10	ug/L	SW8270	04/09/90	17:54	JR
1,2,4-Trichlorobenzene[120-82-1]	ND	10	ug/L	SW8270	04/09/90	17:54	JR
Naphthalene[91-20-3]	ND	10	ug/L	SW8270	04/09/90	17:54	JR
Hexachlorobutadiene[87-68-3]	ND	10	ug/L	SW8270	04/09/90	17:54	JR
Hexachlorocyclopentadiene[77-47-4]	ND	10	ug/L	SW8270	04/09/90	17:54	JR
2-Chloronaphthalene[91-58-7]	ND	10	ug/L	SW8270	04/09/90	17:54	JR
Dimethylphthalate[131-11-3]	ND	10	ug/L	SW8270	04/09/90	17:54	JR
Acenaphthylene[208-96-8]	ND	10	ug/L	SW8270	04/09/90	17:54	JR
Acenaphthene[83-32-9]	ND	10	ug/L	SW8270	04/09/90	17:54	JR
2,6-Dinitrotoluene[606-20-2]	ND	10	ug/L	SW8270	04/09/90	17:54	JR
2,4-Dinitrotoluene[121-14-2]	ND	10	ug/L	SW8270	04/09/90	17:54	JR
Fluorene[86-73-7]	ND	10	ug/L	SW8270	04/09/90	17:54	JR
4-Chlorophenylphenylether[7005-72-3]	ND	10	ug/L	SW8270	04/09/90	17:54	JR
1,2-Diphenylhydrazine[122-66-7]	ND	10	ug/L	SW8270	04/09/90	17:54	JR
Diethylphthalate[84-66-2]	ND	10	ug/L	SW8270	04/09/90	17:54	JR
n-Nitrosodiphenylamine[86-30-6]	ND	20	ug/L	SW8270	04/09/90	17:54	JR
Hexachlorobenzene[118-74-1]	ND	10	ug/L	SW8270	04/09/90	17:54	JR
4-Bromophenylphenylether[101-55-3]	ND	10	ug/L	SW8270	04/09/90	17:54	JR
Phenanthrene[85-01-8]	ND	10	ug/L	SW8270	04/09/90	17:54	JR
Anthracene[120-12-7]	ND	10	ug/L	SW8270	04/09/90	17:54	JR

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit.

R JSEPA; Test Methods For Evaluating Solid Waste; SW-846, 3rd Ed.; Nov, 1986.

ART00300



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5614

Respectfully
Submitted:

NW-1 16:45
NITRO SANITATION LANDFILL 3103

Sampled by CLIENT
Date Received 03/28/90

RCM

Date Sampled 03/27/90

PAGE 2

PRIORITY POLLUTANTS: BASE/NEUTRAL EXTRACTABLE FRACTION
Liquid: Liquid Extraction
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED DATE/TIME/ANALYST
Di-n-butylphthalate[84-74-2]	ND	10	ug/L	SW8270	04/09/90 17:54 JR
Fluoranthene[206-44-0]	ND	10	ug/L	SW8270	04/09/90 17:54 JR
Pyrene[129-90-0]	ND	10	ug/L	SW8270	04/09/90 17:54 JR
Benzidine[92-87-5]	ND	50	ug/L	SW8270	04/09/90 17:54 JR
Butylbenzylphthalate[83-68-7]	ND	10	ug/L	SW8270	04/09/90 17:54 JR
Bis(2-ethylhexyl)phthalate[117-81-7]	11	10	ug/L	SW8270	04/09/90 17:54 JR
Fluorene[210-01-9]	ND	10	ug/L	SW8270	04/09/90 17:54 JR
Benz(a)anthracene[56-55-3]	ND	10	ug/L	SW8270	04/09/90 17:54 JR
3,3'-Dichlorobenzidine[91-94-1]	ND	50	ug/L	SW8270	04/09/90 17:54 JR
Di-n-octylphthalate[117-84-0]	ND	10	ug/L	SW8270	04/09/90 17:54 JR
Benzo(b)fluoranthene[205-99-2]	ND	10	ug/L	SW8270	04/09/90 17:54 JR
Benzo(k)fluoranthene[207-08-9]	ND	10	ug/L	SW8270	04/09/90 17:54 JR
Benzo(a)pyrene[50-32-8]	ND	10	ug/L	SW8270	04/09/90 17:54 JR
Indeno(1,2,3-cd)pyrene[193-39-5]	ND	20	ug/L	SW8270	04/09/90 17:54 JR
Dibenzo(a,h)anthracene[53-70-3]	ND	20	ug/L	SW8270	04/09/90 17:54 JR
Benzo(ghi)perylene[191-24-2]	ND	20	ug/L	SW8270	04/09/90 17:54 JR
SURROGATE RECOVERY-BASE/NEUTRAL FRACTION					
Nitrobenzene[98-95-3]	42	-----	x REC	SW8270	04/09/90 17:54 JR
2-Fluorobiphenyl (SURROGATE)	58	-----	x REC	SW8270	04/09/90 17:54 JR
Terphenyl-d14 (SURROGATE)	35	-----	x REC	SW8270	04/09/90 17:54 JR

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit.

REF: USEPA; Test Methods For Evaluating Solid Waste; SW-846, 3rd Ed.; Nov, 1986.

AR100301



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5615

Respectfully
Submitted:

TW-3 16:30

NITRO SANITATION LANDFILL 3193

Sampled by CLIENT

Date Received 03/28/90

RC Murphy

Date Sampled 03/27/90

PRIORITY POLLUTANTS: ACID EXTRACTABLE FRACTION

Liquid: Liquid Extraction

ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED DATE/TIME/ANALYST
Phenol[108-95-2]	ND	10	ug/L	SW8270	04/07/90 16:01 JR
2-Chlorophenol[95-57-8]	ND	10	ug/L	SW8270	04/07/90 16:01 JR
2-Nitrophenol[88-75-5]	ND	10	ug/L	SW8270	04/07/90 16:01 JR
2,4-Dimethylphenol[105-67-9]	ND	10	ug/L	SW8270	04/07/90 16:01 JR
2,4-Dichlorophenol[120-83-2]	ND	10	ug/L	SW8270	04/07/90 16:01 JR
4-Chloro-3-methylphenol[59-50-7]	ND	10	ug/L	SW8270	04/07/90 16:01 JR
2,4,6-Trichlorophenol[88-06-2]	ND	10	ug/L	SW8270	04/07/90 16:01 JR
2,4-Dinitrophenol[51-28-5]	ND	50	ug/L	SW8270	04/07/90 16:01 JR
3-Nitrophenol[108-02-7]	ND	50	ug/L	SW8270	04/07/90 16:01 JR
2,4-Dichloro-6-nitrophenol[534-52-1]	ND	50	ug/L	SW8270	04/07/90 16:01 JR
Pentachlorophenol[87-86-5]	ND	50	ug/L	SW8270	04/07/90 16:01 JR
SURROGATE RECOVERY-ACID FRACTION					
2-Fluorophenol (SURROGATE)	15	-----	X REC	SW8270	04/07/90 16:01 JR *
Phenol-28 (SURROGATE)	11	-----	X REC	SW8270	04/07/90 16:01 JR
2,4,6-Tribromophenol (SURROGATE)	27	-----	X REC	SW8270	04/07/90 16:01 JR

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit.

REF: USEPA; Test Methods For Evaluating Solid Waste; SW-846, 3rd Ed.; Nov, 1986.

* Recovery was lower than the normally accepted value of 26.

AR100302

1256 GREENBRIER STREET, CHARLESTON, WEST VIRGINIA 25311 — TELEPHONE 304 346-0725

4643 BENSON AVENUE, BALTIMORE, MARYLAND 21227 — TELEPHONE 301 247-7400

CINCINNATI, OHIO AREA — TELEPHONE 513 421-3879 OR 508 344-0084



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5615

Respectfully
Submitted:

NW-3 16:30
NITRO SANITATION LANDFILL 3103

Sampled by CLIENT
Date Received 03/28/90

RC [Signature]

Date Sampled 03/27/90

PRIORITY POLLUTANTS: BASE/NEUTRAL EXTRACTABLE FRACTION

Liquid/Liquid Extraction

ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED DATE/TIME/ANALYST
N-Nitrosodimethylamine[62-75-9]	ND	50	ug/L	SW8270	04/09/90 18:51 JR
Bis(2-chloroethyl)ether[111-44-4]	ND	10	ug/L	SW8270	04/09/90 18:51 JR
1,3-Dichlorobenzene[541-73-1]	ND	10	ug/L	SW8270	04/09/90 18:51 JR
1,4-Dichlorobenzene[106-46-7]	ND	10	ug/L	SW8270	04/09/90 18:51 JR
1,2-Dichlorobenzene[95-50-1]	ND	10	ug/L	SW8270	04/09/90 18:51 JR
Bis(2-chloroisopropyl)ether[39638-32-9]	ND	10	ug/L	SW8270	04/09/90 18:51 JR
N-Nitrosodi-n-propylamine[621-64-7]	ND	20	ug/L	SW8270	04/09/90 18:51 JR
Nitrobenzene[98-95-3]	ND	10	ug/L	SW8270	04/09/90 18:51 JR
1,1,1-Trichloroethane[67-72-1]	ND	10	ug/L	SW8270	04/09/90 18:51 JR
Isophorone[78-59-1]	ND	10	ug/L	SW8270	04/09/90 18:51 JR
Bis(2-Chloroethoxy)methane[111-91-1]	ND	10	ug/L	SW8270	04/09/90 18:51 JR
1,2,4-Trichlorobenzene[120-82-1]	ND	10	ug/L	SW8270	04/09/90 18:51 JR
Naphthalene[91-20-3]	ND	10	ug/L	SW8270	04/09/90 18:51 JR
Hexachlorobutadiene[87-68-3]	ND	10	ug/L	SW8270	04/09/90 18:51 JR
Hexachlorocyclopentadiene[77-47-4]	ND	10	ug/L	SW8270	04/09/90 18:51 JR
2-Chloronaphthalene[91-58-7]	ND	10	ug/L	SW8270	04/09/90 18:51 JR
Dimethylphthalate[131-11-3]	ND	10	ug/L	SW8270	04/09/90 18:51 JR
Acenaphthylene[208-96-8]	ND	10	ug/L	SW8270	04/09/90 18:51 JR
Acenaphthene[83-32-9]	ND	10	ug/L	SW8270	04/09/90 18:51 JR
2,6-Dinitrotoluene[686-20-2]	ND	10	ug/L	SW8270	04/09/90 18:51 JR
2,4-Dinitrotoluene[121-14-2]	ND	10	ug/L	SW8270	04/09/90 18:51 JR
Fluorene[86-73-7]	ND	10	ug/L	SW8270	04/09/90 18:51 JR
4-Chlorophenylphenylether[7005-72-3]	ND	10	ug/L	SW8270	04/09/90 18:51 JR
1,2-Diphenylhydrazine[122-66-7]	ND	10	ug/L	SW8270	04/09/90 18:51 JR
Diethylphthalate[84-66-2]	ND	10	ug/L	SW8270	04/09/90 18:51 JR
n-Nitrosodiphenylamine[86-30-6]	ND	20	ug/L	SW8270	04/09/90 18:51 JR
Hexachlorobenzene[118-74-1]	ND	10	ug/L	SW8270	04/09/90 18:51 JR
4-Bromophenylphenylether[101-55-3]	ND	10	ug/L	SW8270	04/09/90 18:51 JR

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit.

REF: USEPA; Test Methods For Evaluating Solid Waste; SW-846, 3rd Ed.; Nov, 1986.

Recovery was lower than the normally accepted value.

AR100303

1256 GREENBRIER STREET, CHARLESTON, WEST VIRGINIA 25311 — TELEPHONE 304 346-0725

4643 BENSON AVENUE, BALTIMORE, MARYLAND 21227 — TELEPHONE 301 247-7400

CINCINNATI, OHIO AREA — TELEPHONE 513 421-3872 OR 603 311-3331



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5615

Respectfully
Submitted

HW-3 16:30
NITRO SANITATION LANDFILL 3103

Sampled by CLIENT
Date Received 03/28/90

Date Sampled 03/27/90

PAGE 2

PRIORITY POLLUTANTS: BASE/NEUTRAL EXTRACTABLE FRACTION
Liquid: Liquid Extraction
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED DATE/TIME/ANALYST
Phenanthrene[85-01-3]	ND	10	ug/L	SW8270	04/09/90 18:51 JR
Anthracene[120-12-7]	ND	10	ug/L	SW8270	04/09/90 18:51 JR
Di-n-butylphthalate[84-74-2]	ND	10	ug/L	SW8270	04/09/90 18:51 JR
Fluoranthene[206-44-0]	ND	10	ug/L	SW8270	04/09/90 18:51 JR
Pyrene[129-00-0]	ND	10	ug/L	SW8270	04/09/90 18:51 JR
Benzidine[92-87-5]	ND	50	ug/L	SW8270	04/09/90 18:51 JR
Butyl benzylphthalate[85-68-7]	ND	10	ug/L	SW8270	04/09/90 18:51 JR
Diethylhexyl phthalate[117-81-7]	11	10	ug/L	SW8270	04/09/90 18:51 JR
Chrysene[218-01-9]	ND	10	ug/L	SW8270	04/09/90 18:51 JR
Benzo(a)anthracene[56-55-3]	ND	10	ug/L	SW8270	04/09/90 18:51 JR
3,3'-Dichlorobenzidine[91-94-1]	ND	50	ug/L	SW8270	04/09/90 18:51 JR
Di-n-octylphthalate[117-84-0]	ND	10	ug/L	SW8270	04/09/90 18:51 JR
Benzo(b)fluoranthene[205-99-2]	ND	10	ug/L	SW8270	04/09/90 18:51 JR
Benzo(k)fluoranthene[207-08-9]	ND	10	ug/L	SW8270	04/09/90 18:51 JR
Benzo(a)pyrene[50-32-9]	ND	10	ug/L	SW8270	04/09/90 18:51 JR
Indeno(1,2,3-cd)pyrene[193-39-5]	ND	20	ug/L	SW8270	04/09/90 18:51 JR
Dibenzo(a,h)anthracene[53-70-3]	ND	20	ug/L	SW8270	04/09/90 18:51 JR
Benzo(ghi)perylene[191-24-2]	ND	20	ug/L	SW8270	04/09/90 18:51 JR
SURROGATE RECOVERY-BASE/NEUTRAL FRACTION					
Nitrobenzene[98-95-3]	13	-----	X REC	SW8270	04/09/90 18:51 JR *
2-Fluorobiphenyl (SURROGATE)	64	-----	X REC	SW8270	04/09/90 18:51 JR
Terphenyl-d14 (SURROGATE)	35	-----	X REC	SW8270	04/09/90 18:51 JR

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit.

REF: USEPA; Test Methods For Evaluating Solid Waste; SW-846, 3rd Ed.; Nov, 1986.

* Recovery was lower than the normally accepted value.

AR100304



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5616

Respectfully
Submitted:

MW-4 16:50
NITRO SANITATION LANDFILL 3103

Sampled by CLIENT
Date Received 03/28/90

RCM

Date Sampled 03/27/90

PRIORITY POLLUTANTS: ACID EXTRACTABLE FRACTION
Liquid: Liquid Extraction
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED DATE/TIME/ANALYST
Phenol[108-95-2]	ND	10	ug/L	SW8270	04/07/90 16:43 JR
2-Chlorophenol[95-57-8]	ND	10	ug/L	SW8270	04/07/90 16:43 JR
2-Nitrophenol[88-75-5]	ND	10	ug/L	SW8270	04/07/90 16:43 JR
2,4-Dimethylphenol[105-67-9]	ND	10	ug/L	SW8270	04/07/90 16:43 JR
2,4-Dichlorophenol[120-83-2]	ND	10	ug/L	SW8270	04/07/90 16:43 JR
4-Chloro-3-methylphenol[59-50-7]	ND	10	ug/L	SW8270	04/07/90 16:43 JR
2,4,6-Trichlorophenol[98-06-2]	ND	10	ug/L	SW8270	04/07/90 16:43 JR
2,4-Dinitrophenol[51-28-5]	ND	50	ug/L	SW8270	04/07/90 16:43 JR
4-Nitrophenol[100-02-7]	ND	50	ug/L	SW8270	04/07/90 16:43 JR
2-Methyl-4,6-dinitrophenol[534-52-1]	ND	50	ug/L	SW8270	04/07/90 16:43 JR
Pentachlorophenol[87-86-5]	ND	50	ug/L	SW8270	04/07/90 16:43 JR
SURROGATE RECOVERY-ACID FRACTION					
2-Fluorophenol (SURROGATE)	65	-----	x REC	SW8270	04/07/90 16:43 JR
Phenol-d6 (SURROGATE)	44	-----	x REC	SW8270	04/07/90 16:43 JR
2,4,6-Tribromophenol (SURROGATE)	116	-----	x REC	SW8270	04/07/90 16:43 JR

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit.

REF: USEPA; Test Methods For Evaluating Solid Waste; SW-846, 3rd Ed.; Nov, 1986

AR100305



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5616

Respectfully
Submitted:

NW-4 16:50
NITRO SANITATION LANDFILL 3103

Sampled by CLIENT
Date Received 03/28/90

Date Sampled 03/27/90

PRIORITY POLLUTANTS:BASE/NEUTRAL EXTRACTABLE FRACTION

Liquid:Liquid Extraction

ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED DATE/TIME/ANALYST
N-Nitrosodimethylamine[62-73-9]	ND	50	ug/L	SW8270	04/09/90 19:44 JR
Bis(2-chloroethyl)ether[111-44-4]	ND	10	ug/L	SW8270	04/09/90 19:44 JR
1,3-Dichlorobenzene[541-73-1]	ND	10	ug/L	SW8270	04/09/90 19:44 JR
1,4-Dichlorobenzene[106-46-7]	ND	10	ug/L	SW8270	04/09/90 19:44 JR
1,2-Dichlorobenzene[95-50-1]	ND	10	ug/L	SW8270	04/09/90 19:44 JR
Bis(2-chloroisopropyl)ether[39638-32-9]	ND	10	ug/L	SW8270	04/09/90 19:44 JR
N-Nitrosodi-n-propylamine[621-64-7]	ND	20	ug/L	SW8270	04/09/90 19:44 JR
Nitrobenzene[98-95-3]	ND	10	ug/L	SW8270	04/09/90 19:44 JR
1,1-Dichloroethane[67-72-1]	ND	10	ug/L	SW8270	04/09/90 19:44 JR
1,1-Dichloroethene[78-59-1]	ND	10	ug/L	SW8270	04/09/90 19:44 JR
Bis(2-Chloroethoxy)methane[111-91-1]	ND	10	ug/L	SW8270	04/09/90 19:44 JR
1,2,4-Trichlorobenzene[120-82-1]	ND	10	ug/L	SW8270	04/09/90 19:44 JR
Naphthalene[91-20-3]	ND	10	ug/L	SW8270	04/09/90 19:44 JR
Hexachlorobutadiene[87-68-3]	ND	10	ug/L	SW8270	04/09/90 19:44 JR
Hexachlorocyclopentadiene[77-47-4]	ND	10	ug/L	SW8270	04/09/90 19:44 JR
2-Chloronaphthalene[91-58-7]	ND	10	ug/L	SW8270	04/09/90 19:44 JR
Dimethylphthalate[131-11-3]	ND	10	ug/L	SW8270	04/09/90 19:44 JR
Acenaphthylene[208-96-8]	ND	10	ug/L	SW8270	04/09/90 19:44 JR
Acenaphthene[83-32-9]	ND	10	ug/L	SW8270	04/09/90 19:44 JR
2,6-Dinitrotoluene[606-20-2]	ND	10	ug/L	SW8270	04/09/90 19:44 JR
2,4-Dinitrotoluene[121-14-2]	ND	10	ug/L	SW8270	04/09/90 19:44 JR
Fluorene[86-73-7]	ND	10	ug/L	SW8270	04/09/90 19:44 JR
4-Chlorophenylphenylether[7005-72-3]	ND	10	ug/L	SW8270	04/09/90 19:44 JR
1,2-Diphenylhydrazine[122-66-7]	ND	10	ug/L	SW8270	04/09/90 19:44 JR
Diethylphthalate[84-66-2]	ND	10	ug/L	SW8270	04/09/90 19:44 JR
n-Nitrosodiphenylamine[86-30-6]	ND	20	ug/L	SW8270	04/09/90 19:44 JR
Hexachlorobenzene[118-74-1]	ND	10	ug/L	SW8270	04/09/90 19:44 JR
4-Bromophenylphenylether[101-55-3]	ND	10	ug/L	SW8270	04/09/90 19:44 JR
Phenanthrene[85-01-8]	ND	10	ug/L	SW8270	04/09/90 19:44 JR
Anthracene[120-12-7]	ND	10	ug/L	SW8270	04/09/90 19:44 JR

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit.

R USEPA; Test Methods For Evaluating Solid Waste; SW-846, 3rd Ed.; Nov, 1986. **AR100306**



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5616

Respectfully
Submitted:

MW-4 16:50
NITRO SANITATION LANDFILL 3103

Sampled by CLIENT
Date Received 03/28/90

Date Sampled 03/27/90

PAGE 2

PRIORITY POLLUTANTS: BASE/NEUTRAL EXTRACTABLE FRACTION
Liquid: Liquid Extraction
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED DATE/TIME/ANALYST
Di-n-octylphthalate[34-74-2]	ND	10	ug/L	SW8270	04/09/90 19:44 JR
Fluoranthene[206-44-0]	ND	10	ug/L	SW8270	04/09/90 19:44 JR
Pyrene[129-00-0]	ND	10	ug/L	SW8270	04/09/90 19:44 JR
Benzidine[92-87-5]	ND	50	ug/L	SW8270	04/09/90 19:44 JR
Dutylbenzylphthalate[85-68-7]	ND	10	ug/L	SW8270	04/09/90 19:44 JR
Di(2-ethylhexyl)phthalate[117-81-7]	ND	10	ug/L	SW8270	04/09/90 19:44 JR
Chrysene[218-01-9]	ND	10	ug/L	SW8270	04/09/90 19:44 JR
Benzo(a)anthracene[56-55-3]	ND	10	ug/L	SW8270	04/09/90 19:44 JR
3,3'-Dichlorobenzidine[91-94-1]	ND	50	ug/L	SW8270	04/09/90 19:44 JR
Di-n-octylphthalate[117-84-0]	ND	10	ug/L	SW8270	04/09/90 19:44 JR
Benzo(b)fluoranthene[205-99-2]	ND	10	ug/L	SW8270	04/09/90 19:44 JR
Benzo(k)fluoranthene[207-08-9]	ND	10	ug/L	SW8270	04/09/90 19:44 JR
Benzo(a)pyrene[50-32-8]	ND	10	ug/L	SW8270	04/09/90 19:44 JR
Indeno(1,2,3-cd)pyrene[193-39-5]	ND	20	ug/L	SW8270	04/09/90 19:44 JR
Dibenzo(a,h)anthracene[53-70-3]	ND	20	ug/L	SW8270	04/09/90 19:44 JR
Benzo(ghi)perylene[191-24-2]	ND	20	ug/L	SW8270	04/09/90 19:44 JR
SURROGATE RECOVERY-BASE/NEUTRAL FRACTION					
Nitrobenzene[98-95-3]	87	-----	x REC	SW8270	04/09/90 19:44 JR
2-Fluorobiphenyl (SURROGATE)	85	-----	x REC	SW8270	04/09/90 19:44 JR
Terphenyl-d14 (SURROGATE)	67	-----	x REC	SW8270	04/09/90 19:44 JR

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit.

REF: USEPA; Test Methods For Evaluating Solid Waste; SW-846, 3rd Ed.; Nov, 1986.

ARI00307



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5617

Respectfully Submitted:

W-1 16:45
NITRO SANITATION LANDFILL 3103

Sampled by CLIENT
Date Received 03/28/90

Date Sampled 03/27/90

PRIORITY POLLUTANTS: ACID EXTRACTABLE FRACTION
Liquid: Liquid Extraction
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED DATE/TIME/ANALYST
Phenol[108-93-2]	ND	10	ug/L	SW8270	04/07/90 17:23 JR
2-Chlorophenol[95-57-3]	ND	10	ug/L	SW8270	04/07/90 17:23 JR
2-Nitrophenol[88-75-5]	ND	10	ug/L	SW8270	04/07/90 17:23 JR
2,4-Dimethylphenol[105-67-9]	17	10	ug/L	SW8270	04/07/90 17:23 JR
2,4-Dichlorophenol[120-83-2]	ND	10	ug/L	SW8270	04/07/90 17:23 JR
4-Chloro-3-methylphenol[59-59-7]	ND	10	ug/L	SW8270	04/07/90 17:23 JR
2,4,6-Trichlorophenol[38-06-2]	ND	10	ug/L	SW8270	04/07/90 17:23 JR
2,4-Dinitrophenol[51-28-5]	ND	50	ug/L	SW8270	04/07/90 17:23 JR
4-Nitrophenol[100-02-7]	ND	50	ug/L	SW8270	04/07/90 17:23 JR
2-methyl-4,6-dinitrophenol[534-52-1]	ND	50	ug/L	SW8270	04/07/90 17:23 JR
Pentachlorophenol[37-36-5]	ND	50	ug/L	SW8270	04/07/90 17:23 JR
SURROGATE RECOVERY-ACID FRACTION					
2-Fluorophenol (SURROGATE)	60	-----	x REC	SW8270	04/07/90 17:23 JR
Phenol-d6 (SURROGATE)	41	-----	x REC	SW8270	04/07/90 17:23 JR
2,4,6-Tribromophenol (SURROGATE)	114	-----	x REC	SW8270	04/07/90 17:23 JR

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit.

REF: USEPA; Test Methods For Evaluating Solid Waste; SW-846, 3rd Ed.; Nov, 1986

AR100308



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5617

Respectfully
Submitted:

W-1 16:45

NITRO SANITATION LANDFILL 3103

Sampled by CLIENT

Date Received 03/28/90

R C Murphy

Date Sampled 03/27/90

PRIORITY POLLUTANTS: BASE/NEUTRAL EXTRACTABLE FRACTION

Liquid: Liquid Extraction

ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED DATE/TIME/ANALYST
N-Nitrosodimethylamine[62-75-9]	ND	50	ug/L	SW8270	04/09/90 20:38 JR
Bis(2-chloroethyl) ether[111-44-4]	ND	10	ug/L	SW8270	04/09/90 20:38 JR
1,3-Dichlorobenzene[541-73-1]	ND	10	ug/L	SW8270	04/09/90 20:38 JR
1,4-Dichlorobenzene[106-46-7]	ND	10	ug/L	SW8270	04/09/90 20:38 JR
1,2-Dichlorobenzene[95-50-1]	ND	10	ug/L	SW8270	04/09/90 20:38 JR
Bis(2-chloroisopropyl) ether[39638-32-9]	ND	10	ug/L	SW8270	04/09/90 20:38 JR
N-Nitrosodi-n-propylamine[621-64-7]	ND	20	ug/L	SW8270	04/09/90 20:38 JR
Nitrobenzene[98-95-3]	ND	10	ug/L	SW8270	04/09/90 20:38 JR
Hexachloroethane[67-72-1]	ND	10	ug/L	SW8270	04/09/90 20:38 JR
Isophorone[78-59-1]	ND	10	ug/L	SW8270	04/09/90 20:38 JR
Bis(2-Chloroethoxy)methane[111-91-1]	ND	10	ug/L	SW8270	04/09/90 20:38 JR
1,2,4-Trichlorobenzene[120-82-1]	ND	10	ug/L	SW8270	04/09/90 20:38 JR
Naphthalene[91-20-3]	ND	10	ug/L	SW8270	04/09/90 20:38 JR
Hexachlorobutadiene[87-68-3]	ND	10	ug/L	SW8270	04/09/90 20:38 JR
Hexachlorocyclopentadiene[77-47-4]	ND	10	ug/L	SW8270	04/09/90 20:38 JR
2-Chloronaphthalene[91-58-7]	ND	10	ug/L	SW8270	04/09/90 20:38 JR
Dimethylphthalate[131-11-3]	ND	10	ug/L	SW8270	04/09/90 20:38 JR
Acenaphthylene[208-96-8]	ND	10	ug/L	SW8270	04/09/90 20:38 JR
Acenaphthene[83-32-9]	ND	10	ug/L	SW8270	04/09/90 20:38 JR
2,6-Dinitrotoluene[606-20-2]	ND	10	ug/L	SW8270	04/09/90 20:38 JR
2,4-Dinitrotoluene[121-14-2]	ND	10	ug/L	SW8270	04/09/90 20:38 JR
Fluorene[86-73-7]	ND	10	ug/L	SW8270	04/09/90 20:38 JR
4-Chlorophenylphenylether[7005-72-3]	ND	10	ug/L	SW8270	04/09/90 20:38 JR
1,2-Diphenylhydrazine[122-66-7]	ND	10	ug/L	SW8270	04/09/90 20:38 JR
Diethylphthalate[84-66-2]	ND	10	ug/L	SW8270	04/09/90 20:38 JR
n-Nitrosodiphenylamine[86-30-6]	ND	20	ug/L	SW8270	04/09/90 20:38 JR
Hexachlorobenzene[118-74-1]	ND	10	ug/L	SW8270	04/09/90 20:38 JR
4-Bromophenylphenylether[101-55-3]	ND	10	ug/L	SW8270	04/09/90 20:38 JR
Phenanthrene[85-01-8]	ND	10	ug/L	SW8270	04/09/90 20:38 JR
Anthracene[120-12-7]	ND	10	ug/L	SW8270	04/09/90 20:38 JR

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit

REF USEPA; Test Methods For Evaluating Solid Waste; SW-846, 3rd Ed.; Nov, 1989

AR100309

1256 GREENBRIER STREET, CHARLESTON, WEST VIRGINIA 25311 — TELEPHONE 304 348-0725

4643 BENSON AVENUE, BALTIMORE, MARYLAND 21227 — TELEPHONE 301 247-7400

CINCINNATI, OHIO — TELEPHONE 513 421-3872 OR 606 344-0084



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5617

Respectfully
Submitted:

W-1 18:45
NITRO SANITATION LANDFILL 3103

Sampled by CLIENT
Date Received 03/28/90

Date Sampled 03/27/90

PAGE 2

PRIORITY POLLUTANTS: BASE/NEUTRAL EXTRACTABLE FRACTION
Liquid: Liquid Extraction
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED DATE/TIME/ANALYST
Di-n-octylphthalate[84-74-2]	ND	10	ug/L	SW8270	04/09/90 20:38 JR
Fluoranthene[206-44-0]	ND	10	ug/L	SW8270	04/09/90 20:38 JR
Pyrene[129-00-0]	ND	10	ug/L	SW8270	04/09/90 20:38 JR
Benzidine[92-87-5]	ND	50	ug/L	SW8270	04/09/90 20:38 JR
Butylbenzylphthalate[55-68-7]	ND	10	ug/L	SW8270	04/09/90 20:38 JR
Bis(2-ethylhexyl)phthalate[117-81-7]	ND	10	ug/L	SW8270	04/09/90 20:38 JR
Fluorene[218-01-9]	ND	10	ug/L	SW8270	04/09/90 20:38 JR
Fluorene(a)anthracene[56-55-3]	ND	10	ug/L	SW8270	04/09/90 20:38 JR
3,3'-Dichlorobenzidine[91-94-1]	ND	50	ug/L	SW8270	04/09/90 20:38 JR
Di-n-octylphthalate[117-84-0]	ND	10	ug/L	SW8270	04/09/90 20:38 JR
Benzo(b)fluoranthene[205-99-2]	ND	10	ug/L	SW8270	04/09/90 20:38 JR
Benzo(k)fluoranthene[207-38-9]	ND	10	ug/L	SW8270	04/09/90 20:38 JR
Benzo(a)pyrene[50-32-8]	ND	10	ug/L	SW8270	04/09/90 20:38 JR
Indeno(1,2,3-cd)pyrene[193-39-5]	ND	20	ug/L	SW8270	04/09/90 20:38 JR
Dibenzo(a,h)anthracene[53-78-3]	ND	20	ug/L	SW8270	04/09/90 20:38 JR
Benzo(ghi)perylene[191-24-2]	ND	20	ug/L	SW8270	04/09/90 20:38 JR
SURROGATE RECOVERY-BASE/NEUTRAL FRACTION					
Nitrobenzene[98-95-3]	34	-----	% REC	SW8270	04/09/90 20:38 JR
2-Fluorobiphenyl (SURROGATE)	79	-----	% REC	SW8270	04/09/90 20:38 JR
Terphenyl-d14 (SURROGATE)	22	-----	% REC	SW8270	04/09/90 20:38 JR

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit.

REF: USEPA; Test Methods For Evaluating Solid Waste; SW-846, 3rd Ed.; Nov, 1986.

AR100310



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5618

Respectfully
Submitted:

W-2 17:25
NITRO SANITATION LANDFILL 3103

Sampled by CLIENT
Date Received 03/28/90

Date Sampled 03/27/90

PRIORITY POLLUTANTS: ACID EXTRACTABLE FRACTION
Liquids: Liquid Extraction
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED	
					DATE/TIME	ANALYST
Phenol[108-95-2]	ND	10	ug/L	SW8270	04/07/90	18:05 JR
2-Chlorophenol[95-57-8]	ND	10	ug/L	SW8270	04/07/90	18:05 JR
3-Nitrophenol[98-75-5]	ND	10	ug/L	SW8270	04/07/90	18:05 JR
2,4-Dimethylphenol[105-67-9]	ND	10	ug/L	SW8270	04/07/90	18:05 JR
2,4-Dichlorophenol[120-83-2]	ND	10	ug/L	SW8270	04/07/90	18:05 JR
4-Chloro-3-methylphenol[59-50-7]	ND	10	ug/L	SW8270	04/07/90	18:05 JR
2,4,6-Trichlorophenol[88-06-2]	ND	10	ug/L	SW8270	04/07/90	18:05 JR
2,4-Dinitrophenol[51-28-5]	ND	50	ug/L	SW8270	04/07/90	18:05 JR
nitrophenol[100-02-7]	ND	50	ug/L	SW8270	04/07/90	13:05 JF
2-Methyl-4,6-dinitrophenol[534-52-1]	ND	50	ug/L	SW8270	04/07/90	18:05 JR
Pentachlorophenol[97-86-5]	ND	50	ug/L	SW8270	04/07/90	13:05 JR
SURROGATE RECOVERY-ACID FRACTION						
2-Fluorophenol (SURROGATE)	62	-----	x REC	SW8270	04/07/90	18:05 JR
Phenol-d6 (SURROGATE)	44	-----	x REC	SW8270	04/07/90	18:05 JR
2,4,6-Tribromophenol (SURROGATE)	121	-----	x REC	SW8270	04/07/90	18:05 JR

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit.

REF: USEPA; Test Methods For Evaluating Solid Waste; SW-846, 3rd Ed.; Nov, 1986.

AR100311



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5618

Respectfully
Submitted:

W-2 17:25
NITRO SANITATION LANDFILL 3103

Sampled by CLIENT
Date Received 03/28/90

Date Sampled 03/27/90

PRIORITY POLLUTANTS: BASE/NEUTRAL EXTRACTABLE FRACTION

Liquid:Liquid Extraction

ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED		
					DATE/TIME/ANALYST		
N-Nitrosodimethylamine[62-75-3]	ND	50	ug/L	SW8270	04/09/90	21:33	JR
Bis(2-chloroethyl) ether[111-44-4]	ND	10	ug/L	SW8270	04/09/90	21:33	JR
1,3-Dichlorobenzene[541-73-1]	ND	10	ug/L	SW8270	04/09/90	21:33	JR
1,4-Dichlorobenzene[106-46-7]	ND	10	ug/L	SW8270	04/09/90	21:33	JR
1,2-Dichlorobenzene[95-50-1]	ND	10	ug/L	SW8270	04/09/90	21:33	JR
Bis(2-chloroisopropyl) ether[39638-32-9]	ND	10	ug/L	SW8270	04/09/90	21:33	JR
N-Nitrosodi-n-propylamine[621-64-7]	ND	20	ug/L	SW8270	04/09/90	21:33	JR
Nitrobenzene[98-95-3]	ND	10	ug/L	SW8270	04/09/90	21:33	JR
1,1-Dichloroethane[67-72-1]	ND	10	ug/L	SW8270	04/09/90	21:33	JR
1,1-Dichloroethane[78-59-1]	ND	10	ug/L	SW8270	04/09/90	21:33	JR
Bis(2-Chloroethoxy)methane[111-91-1]	ND	10	ug/L	SW8270	04/09/90	21:33	JR
1,2,4-Trichlorobenzene[128-82-1]	ND	10	ug/L	SW8270	04/09/90	21:33	JR
Naphthalene[91-20-3]	ND	10	ug/L	SW8270	04/09/90	21:33	JR
Hexachlorobutadiene[87-68-3]	ND	10	ug/L	SW8270	04/09/90	21:33	JR
Hexachlorocyclopentadiene[77-47-4]	ND	10	ug/L	SW8270	04/09/90	21:33	JR
2-Chloronaphthalene[91-59-7]	ND	10	ug/L	SW8270	04/09/90	21:33	JR
Dimethylphthalate[131-11-3]	ND	10	ug/L	SW8270	04/09/90	21:33	JR
Acenaphthylene[208-95-8]	ND	10	ug/L	SW8270	04/09/90	21:33	JR
Acenaphthene[83-32-9]	ND	10	ug/L	SW8270	04/09/90	21:33	JR
2,6-Dinitrotoluene[606-20-2]	ND	10	ug/L	SW8270	04/09/90	21:33	JR
3,4-Dinitrotoluene[121-14-2]	ND	10	ug/L	SW8270	04/09/90	21:33	JR
Fluorene[86-73-7]	ND	10	ug/L	SW8270	04/09/90	21:33	JR
4-Chlorophenylphenylether[7005-72-3]	ND	10	ug/L	SW8270	04/09/90	21:33	JR
1,2-Diphenylhydrazine[122-66-7]	ND	10	ug/L	SW8270	04/09/90	21:33	JR
Diethylphthalate[84-66-2]	ND	10	ug/L	SW8270	04/09/90	21:33	JR
n-Nitrosodiphenylamine[86-38-6]	ND	20	ug/L	SW8270	04/09/90	21:33	JR
Hexachlorobenzene[118-74-1]	ND	10	ug/L	SW8270	04/09/90	21:33	JR
4-Bromophenylphenylether[101-55-3]	ND	10	ug/L	SW8270	04/09/90	21:33	JR
Phenanthrene[85-01-8]	ND	10	ug/L	SW8270	04/09/90	21:33	JR
Anthracene[128-12-7]	ND	10	ug/L	SW8270	04/09/90	21:33	JR

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit.

USEPA; Test Methods For Evaluating Solid Waste; SW-846, 3rd Ed.; Nov, 1986. **AR100312**

1258 GREENBRIER STREET, CHARLESTON, WEST VIRGINIA 25311 — TELEPHONE 304 346-0725

4643 SENSON AVENUE, BALTIMORE, MARYLAND 21227 — TELEPHONE 301 247-7400

CINCINNATI, OHIO AREA — TELEPHONE 513 421-3872 OR 609 344-0084



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5618

Respectfully
Submitted:

N-2 17:25
NITRO SANITATION LANDFILL 3103

Sampled by CLIENT
Date Received 03/28/90

Date Sampled 03/27/90

PAGE 2

PRIORITY POLLUTANTS: BASE/NEUTRAL EXTRACTABLE FRACTION
Liquid: Liquid Extraction
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED	
					DATE/TIME	ANALYST
Di-n-octylphthalate[84-74-2]	ND	10	ug/L	SW8270	04/09/90	21:33 JR
Fluoranthene[206-44-0]	ND	10	ug/L	SW8270	04/09/90	21:33 JR
Pyrene[129-00-3]	ND	10	ug/L	SW8270	04/09/90	21:33 JR
Benzidine[92-87-5]	ND	50	ug/L	SW8270	04/09/90	21:33 JR
Octyloxyphthalate[85-68-7]	ND	10	ug/L	SW8270	04/09/90	21:33 JR
Bis(2-ethylhexyl)phthalate[117-81-7]	14	10	ug/L	SW8270	04/09/90	21:33 JR
Chrysene[218-01-9]	ND	10	ug/L	SW8270	04/09/90	21:33 JR
Benzo(a)anthracene[56-55-3]	ND	10	ug/L	SW8270	04/09/90	21:33 JR
3,3'-Dichlorobenzidine[91-94-1]	ND	50	ug/L	SW8270	04/09/90	21:33 JR
Di-n-octylphthalate[117-84-0]	ND	10	ug/L	SW8270	04/09/90	21:33 JR
Benzo(b)fluoranthene[205-99-2]	ND	10	ug/L	SW8270	04/09/90	21:33 JR
Benzo(k)fluoranthene[207-08-9]	ND	10	ug/L	SW8270	04/09/90	21:33 JR
Benzo(a)pyrene[50-32-8]	ND	10	ug/L	SW8270	04/09/90	21:33 JR
Indeno(1,2,3-cd)pyrene[193-39-5]	ND	20	ug/L	SW8270	04/09/90	21:33 JR
Dibenzo(a,h)anthracene[53-70-3]	ND	20	ug/L	SW8270	04/09/90	21:33 JR
Benzo(ghi)perylene[191-24-2]	ND	20	ug/L	SW8270	04/09/90	21:33 JR
SURROGATE RECOVERY-BASE/NEUTRAL FRACTION						
Nitrobenzene[98-95-3]	75	-----	% REC	SW8270	04/09/90	21:33 JR
2-Fluorobiphenyl (SURROGATE)	74	-----	% REC	SW8270	04/09/90	21:33 JR
Terphenyl-d14 (SURROGATE)	41	-----	% REC	SW8270	04/09/90	21:33 JR

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit.

REF: USEPA; Test Methods For Evaluating Solid Waste; SW-846, 3rd Ed.; Nov, 1986.

AR100313



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5619

Respectfully
Submitted:

W-3 10:20
NITRO SANITATION LANDFILL 3103

Sampled by CLIENT
Date Received 03/28/90

Date Sampled 03/28/90

PRIORITY POLLUTANTS: ACID EXTRACTABLE FRACTION
Liquid:Liquid Extraction
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED DATE/TIME/ANALYST
Phenol[103-95-2]	11	10	ug/L	SW8270	04/07/90 18:57 JR
2-Chlorophenol[95-57-8]	ND	10	ug/L	SW8270	04/07/90 18:57 JR
3-Nitrophenol[88-75-3]	ND	10	ug/L	SW8270	04/07/90 18:57 JR
2,4-Dimethylphenol[105-67-9]	140	10	ug/L	SW8270	04/07/90 18:57 JR
2,4-Dichlorophenol[106-83-2]	ND	10	ug/L	SW8270	04/07/90 18:57 JR
4-Chloro-3-methylphenol[59-50-7]	ND	10	ug/L	SW8270	04/07/90 18:57 JR
2,4,6-Trichlorophenol[88-06-2]	ND	10	ug/L	SW8270	04/07/90 18:57 JR
2,4-Dinitrophenol[51-28-5]	ND	50	ug/L	SW8270	04/07/90 18:57 JR
2,6-Dinitrophenol[100-02-7]	ND	50	ug/L	SW8270	04/07/90 18:57 JR
2-Methyl-4,6-dinitrophenol[534-52-1]	ND	50	ug/L	SW8270	04/07/90 18:57 JR
Pentachlorophenol[87-86-5]	ND	50	ug/L	SW8270	04/07/90 18:57 JR
SURROGATE RECOVERY-ACID FRACTION					
2-Fluorophenol (SURROGATE)	70	-----	X REC	SW8270	04/07/90 18:57 JR
Phenol-d6 (SURROGATE)	40	-----	X REC	SW8270	04/07/90 18:57 JR
2,4,6-Tribromophenol (SURROGATE)	137	-----	X REC	SW8270	04/07/90 18:57 JR *

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit.

REF: USEPA; Test Methods For Evaluating Solid Waste; SW-846, 3rd Ed.; Nov, 1986.

* Recovery was higher than the normally accepted value.

AR100314



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5619

Respectfully
Submitted:

W-3 10:20
NITRO SANITATION LANDFILL 3103

Sampled by CLIENT
Date Received 03/28/90

Date Sampled 03/28/90

PRIORITY POLLUTANTS:BASE/NEUTRAL EXTRACTABLE FRACTION

Liquid:Liquid Extraction

ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED DATE/TIME/ANALYST
N-Nitrosodimethylamine[62-75-9]	ND	30	ug/L	SW8270	04/09/90 22:29 JR
Bis(2-chloroethyl) ether[111-44-4]	ND	10	ug/L	SW8270	04/09/90 22:29 JR
1,3-Dichlorobenzene[541-73-1]	ND	10	ug/L	SW8270	04/09/90 22:29 JR
1,4-Dichlorobenzene[105-46-7]	ND	10	ug/L	SW8270	04/09/90 22:29 JR
1,2-Dichlorobenzene[95-50-1]	ND	10	ug/L	SW8270	04/09/90 22:29 JR
Bis(2-chloroisopropyl) ether[39638-32-9]	ND	10	ug/L	SW8270	04/09/90 22:29 JR
N-Nitrosodi-n-propylamine[621-64-7]	ND	20	ug/L	SW8270	04/09/90 22:29 JR
Nitrobenzene[98-95-3]	ND	10	ug/L	SW8270	04/09/90 22:29 JR
Hexachloroethane[67-72-1]	ND	10	ug/L	SW8270	04/09/90 22:29 JR
1-phorone[73-59-1]	ND	10	ug/L	SW8270	04/09/90 22:29 JR
Bis(2-Chloroethoxy)methane[111-91-1]	ND	10	ug/L	SW8270	04/09/90 22:29 JR
1,2,4-Trichlorobenzene[120-82-1]	ND	10	ug/L	SW8270	04/09/90 22:29 JR
Naphthalene[91-20-3]	ND	10	ug/L	SW8270	04/09/90 22:29 JR
Hexachlorobutadiene[87-63-3]	ND	10	ug/L	SW8270	04/09/90 22:29 JR
Hexachlorocyclopentadiene[77-47-4]	ND	10	ug/L	SW8270	04/09/90 22:29 JR
1-Chloronaphthalene[91-58-7]	ND	10	ug/L	SW8270	04/09/90 22:29 JR
Dimethylphthalate[131-11-3]	ND	10	ug/L	SW8270	04/09/90 22:29 JR
Acenaphthylene[208-96-8]	ND	10	ug/L	SW8270	04/09/90 22:29 JR
Acenaphthene[83-32-9]	ND	10	ug/L	SW8270	04/09/90 22:29 JR
2,6-Dinitrotoluene[606-28-2]	ND	10	ug/L	SW8270	04/09/90 22:29 JR
2,4-Dinitrotoluene[121-14-2]	ND	10	ug/L	SW8270	04/09/90 22:29 JR
Fluorene[86-73-7]	ND	10	ug/L	SW8270	04/09/90 22:29 JR
4-Chlorophenylphenylether[7005-72-3]	ND	10	ug/L	SW8270	04/09/90 22:29 JR
1,2-Diphenylhydrazine[122-66-7]	ND	10	ug/L	SW8270	04/09/90 22:29 JR
Diethylphthalate[84-66-2]	ND	10	ug/L	SW8270	04/09/90 22:29 JR
n-Nitrosodiphenylamine[86-30-6]	ND	20	ug/L	SW8270	04/09/90 22:29 JR
Hexachlorobenzene[118-74-1]	ND	10	ug/L	SW8270	04/09/90 22:29 JR
4-Bromophenylphenylether[101-55-3]	ND	10	ug/L	SW8270	04/09/90 22:29 JR
Phenanthrene[85-01-8]	ND	10	ug/L	SW8270	04/09/90 22:29 JR
Anthracene[120-12-7]	ND	10	ug/L	SW8270	04/09/90 22:29 JR

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit.

REF: USEPA; Test Methods For Evaluating Solid Waste; SW-846, 3rd Ed.; Nov, 1986.

ARI00315

1258 GREENBRIER STREET, CHARLESTON, WEST VIRGINIA 25311 — TELEPHONE 304 348-0725

4843 BENSON AVENUE, BALTIMORE, MARYLAND 21227 — TELEPHONE 301 247-7400

CINCINNATI, OHIO AREA — TELEPHONE 513 421-3872 OR 800 344-5984



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5619

Respectfully
Submitted:

W-3 10:20
NITRO SANITATION LANDFILL 5193

Sampled by CLIENT
Date Received 03/28/90

Date Sampled 03/28/90

PAGE 2

PRIORITY POLLUTANTS:BASE/NEUTRAL EXTRACTABLE FRACTION
Liquid:Liquid Extraction
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED DATE/TIME/ANALYST
Di-n-butylphthalate[204-74-2]	ND	10	ug/L	SW8270	04/09/90 22:29 JR
Fluoranthene[205-44-0]	ND	10	ug/L	SW8270	04/09/90 22:29 JR
Pyrene[123-00-0]	ND	10	ug/L	SW8270	04/09/90 22:29 JR
Benzidine[92-87-5]	ND	50	ug/L	SW8270	04/09/90 22:29 JR
Butylbenzylphthalate[35-68-7]	ND	10	ug/L	SW8270	04/09/90 22:29 JR
Bis(2-ethylhexyl)phthalate[117-81-7]	ND	10	ug/L	SW8270	04/09/90 22:29 JR
Chrysene[218-01-9]	ND	10	ug/L	SW8270	04/09/90 22:29 JR
(a)anthracene[56-55-3]	ND	10	ug/L	SW8270	04/09/90 22:29 JR
-Dichlorobenzidine[91-94-1]	ND	50	ug/L	SW8270	04/09/90 22:29 JR
Di-n-octylphthalate[117-84-0]	ND	10	ug/L	SW8270	04/09/90 22:29 JR
Benzo(b)fluoranthene[205-99-2]	ND	10	ug/L	SW8270	04/09/90 22:29 JR
Benzo(k)fluoranthene[207-08-9]	ND	10	ug/L	SW8270	04/09/90 22:29 JR
Benzo(a)pyrene[50-32-3]	ND	10	ug/L	SW8270	04/09/90 22:29 JR
Indeno(1,2,3-cd)pyrene[193-39-5]	ND	20	ug/L	SW8270	04/09/90 22:29 JR
Dibenzo(a,n)anthracene[33-73-3]	ND	20	ug/L	SW8270	04/09/90 22:29 JR
Benzo(ghi)perylene[191-24-2]	ND	20	ug/L	SW8270	04/09/90 22:29 JR
SURROGATE RECOVERY-BASE/NEUTRAL FRACTION					
Nitrobenzene[98-95-3]	71	-----	x REC	SW8270	04/09/90 22:29 JR
2-Fluorobiphenyl(SURROGATE)	73	-----	x REC	SW8270	04/09/90 22:29 JR
Terphenyl-d14(SURROGATE)	46	-----	x REC	SW8270	04/09/90 22:29 JR

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit.

REF: USEPA; Test Methods For Evaluating Solid Waste; SW-846, 3rd Ed.; Nov, 1986.

AR100316



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5620

Respectfully Submitted:

U-4 10:25
NITRO SANITATION LANDFILL 3103

Sampled by CLIENT
Date Received 03/28/90

RC Murphy

Date Sampled 03/23/90

PRIORITY POLLUTANTS: ACID EXTRACTABLE FRACTION
Liquid: Liquid Extraction
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED DATE/TIME/ANALYST
Phenol[108-95-2]	2300	10	ug/L	SW8270	04/07/90 20:08 JR D
2-Chlorophenol[95-57-8]	ND	10	ug/L	SW8270	04/07/90 20:08 JR
3-Nitrophenol[338-75-5]	ND	10	ug/L	SW8270	04/07/90 20:08 JR
1,4-Dimethylphenol[105-67-9]	1300	10	ug/L	SW8270	04/07/90 20:08 JR D
2,4-Dichlorophenol[120-83-2]	ND	10	ug/L	SW8270	04/07/90 20:08 JR
4-Chloro-3-methylphenol[59-50-7]	ND	10	ug/L	SW8270	04/07/90 20:08 JR
2,4,6-Trichlorophenol[88-06-2]	ND	10	ug/L	SW8270	04/07/90 20:08 JR
2,4-Dinitrophenol[51-28-5]	ND	50	ug/L	SW8270	04/07/90 20:08 JR
4-Nitrophenol[100-02-7]	ND	50	ug/L	SW8270	04/07/90 20:08 JR
2-Methyl-4,6-dinitrophenol[534-52-1]	ND	50	ug/L	SW8270	04/07/90 20:08 JR
Pentachlorophenol[87-86-5]	ND	50	ug/L	SW8270	04/07/90 20:08 JR
SURROGATE RECOVERY-ACID FRACTION					
2-Fluorophenol (SURROGATE)	48	-----	X REC	SW8270	04/07/90 20:08 JR
Phenol-d6 (SURROGATE)	20	-----	X REC	SW8270	04/07/90 20:08 JR
2,4,6-Tribromophenol (SURROGATE)	30	-----	X REC	SW8270	04/07/90 20:08 JR

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit.

REF: USEPA; Test Methods For Evaluating Solid Waste; SW-846, 3rd Ed.; Nov, 1986.

D: Result was obtained from the 1/20 dilution.

AR100317



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F.Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5620

Respectfully
Submitted:

W-4 10:25
NITRO SANITATION LANDFILL 3103

Sampled by CLIENT
Date Received 03/28/90

R C Murphy

Date Sampled 03/28/90

PRIORITY POLLUTANTS:BASE/NEUTRAL EXTRACTABLE FRACTION
Liquid:Liquid Extraction
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED DATE/TIME/ANALYST		
N-Nitrosodimethylamine[62-75-9]	ND	50	ug/L	SW8270	04/09/90	23:24	JR
bis(2-chloroethyl) ether[111-44-4]	ND	10	ug/L	SW8270	04/09/90	23:24	JR
1,3-Dichlorobenzene[541-75-1]	ND	10	ug/L	SW8270	04/09/90	23:24	JR
1,4-Dichlorobenzene[106-46-7]	ND	10	ug/L	SW8270	04/09/90	23:24	JR
1,2-Dichlorobenzene[95-50-1]	ND	10	ug/L	SW8270	04/09/90	23:24	JR
Bis(2-chloroisopropyl) ether[39638-32-9]	ND	10	ug/L	SW8270	04/09/90	23:24	JR
N-Nitrosodi-n-propylamine[621-64-7]	ND	20	ug/L	SW8270	04/09/90	23:24	JR
Methoxybenzene[98-95-3]	ND	10	ug/L	SW8270	04/09/90	23:24	JR
1,1-Dichloroethane[67-72-1]	ND	10	ug/L	SW8270	04/09/90	23:24	JR
Isophorone[78-59-1]	ND	10	ug/L	SW8270	04/09/90	23:24	JR
Bis(2-Chloroethoxy)methane[111-91-1]	ND	10	ug/L	SW8270	04/09/90	23:24	JR
1,2,4-Trichlorobenzene[120-82-1]	ND	10	ug/L	SW8270	04/09/90	23:24	JR
Naphthalene[91-20-3]	ND	10	ug/L	SW8270	04/09/90	23:24	JR
Hexachlorobutadiene[87-68-3]	ND	10	ug/L	SW8270	04/09/90	23:24	JR
Hexachlorocyclopentadiene[77-47-4]	ND	10	ug/L	SW8270	04/09/90	23:24	JR
2-Chloronaphthalene[91-58-7]	ND	10	ug/L	SW8270	04/09/90	23:24	JR
Dimethylphthalate[131-11-3]	ND	10	ug/L	SW8270	04/09/90	23:24	JR
Acenaphthylene[208-96-8]	ND	10	ug/L	SW8270	04/09/90	23:24	JR
Acenaphthene[83-32-9]	ND	10	ug/L	SW8270	04/09/90	23:24	JR
2,6-Dinitrotoluene[506-20-2]	ND	10	ug/L	SW8270	04/09/90	23:24	JR
2,4-Dinitrotoluene[121-14-2]	ND	10	ug/L	SW8270	04/09/90	23:24	JR
Fluorene[86-73-7]	ND	10	ug/L	SW8270	04/09/90	23:24	JR
4-Chlorophenylphenylether[7005-72-3]	ND	10	ug/L	SW8270	04/09/90	23:24	JR
1,2-Diphenylhydrazine[122-66-7]	ND	10	ug/L	SW8270	04/09/90	23:24	JR
Diethylphthalate[84-66-2]	ND	10	ug/L	SW8270	04/09/90	23:24	JR
N-Nitrosodiphenylamine[86-30-6]	ND	20	ug/L	SW8270	04/09/90	23:24	JR
Hexachlorobenzene[113-74-1]	ND	10	ug/L	SW8270	04/09/90	23:24	JR
4-Bromophenylphenylether[101-55-3]	ND	10	ug/L	SW8270	04/09/90	23:24	JR
Phenanthrene[83-01-8]	ND	10	ug/L	SW8270	04/09/90	23:24	JR
Anthracene[120-12-7]	ND	10	ug/L	SW8270	04/09/90	23:24	JR

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit.

AR100318

R USEPA; Test Methods For Evaluating Solid Waste; SW-846, 3rd Ed.; Nov, 1986.



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5620

Respectfully
Submitted:

4-4 10:25
NITRO SANITATION LANDFILL 3103

Sampled by CLIENT
Date Received 03/28/90

RCM

Date Sampled 03/23/90

PAGE 2

PRIORITY POLLUTANTS: BASE/NEUTRAL EXTRACTABLE FRACTION
Liquid: Liquid Extraction
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED DATE/TIME/ANALYST
Di-n-butylphthalate[84-74-2]	ND	10	ug/L	SW8270	04/09/90 23:24 JR
Fluoranthene[206-44-0]	ND	10	ug/L	SW8270	04/09/90 23:24 JR
Pyrene[123-00-0]	ND	10	ug/L	SW8270	04/09/90 23:24 JR
Benzidine[92-87-5]	ND	50	ug/L	SW8270	04/09/90 23:24 JR
Butylbenzylphthalate[95-68-7]	ND	10	ug/L	SW8270	04/09/90 23:24 JR
Bis(2-ethylhexyl)phthalate[117-81-7]	ND	10	ug/L	SW8270	04/09/90 23:24 JR
Chrysene[213-01-9]	ND	10	ug/L	SW8270	04/09/90 23:24 JR
2(a)anthracene[56-55-3]	ND	10	ug/L	SW8270	04/09/90 23:24 JR
3,3'-Dichlorobenzidine[91-94-1]	ND	30	ug/L	SW8270	04/09/90 23:24 JR
Di-n-octylphthalate[117-84-0]	ND	10	ug/L	SW8270	04/09/90 23:24 JR
Benzo(b)fluoranthene[205-99-2]	ND	10	ug/L	SW8270	04/09/90 23:24 JR
Benzo(k)fluoranthene[207-08-9]	ND	10	ug/L	SW8270	04/09/90 23:24 JR
Benzo(a)pyrene[50-32-8]	ND	10	ug/L	SW8270	04/09/90 23:24 JR
Indeno(1,2,3-cd)pyrene[193-39-5]	ND	20	ug/L	SW8270	04/09/90 23:24 JR
Dibenz(a,h)anthracene[53-70-3]	ND	20	ug/L	SW8270	04/09/90 23:24 JR
Benzo(g,h,i)perylene[191-24-2]	ND	20	ug/L	SW8270	04/09/90 23:24 JR
SURROGATE RECOVERY-BASE/NEUTRAL FRACTION					
Nitrobenzene[98-95-3]	42	-----	x REC	SW8270	04/09/90 23:24 JR
2-Fluorobiphenyl(SURROGATE)	39	-----	x REC	SW8270	04/09/90 23:24 JR
Terphenyl-d14(SURROGATE)	27	-----	x REC	SW8270	04/09/90 23:24 JR

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit.

REF: USEPA; Test Methods For Evaluating Solid Waste; SW-846, 3rd Ed.; Nov, 1986.

ARI00319



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K3621

Respectfully
Submitted:

C-1 3:15
NITRO SANITATION LANDFILL 3103

Sampled by CLIENT
Date Received 03/28/90

RCM

Date Sampled 03/27/90

Dilution Factor 10

PRIORITY POLLUTANTS: ACID EXTRACTABLES FRACTION
Soil Procedure/Sonication Extraction
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED		
					DATE/TIME/ANALYST		
Phenol[133-95-2]	420		3.3 ug/G	SW8270	04/17/90	13:58	JR D
2-Chlorophenol[95-57-8]	ND		3.3 ug/G	SW8270	04/17/90	18:58	JR
2-Nitrophenol[98-75-5]	ND		3.3 ug/G	SW8270	04/17/90	18:58	JR
2,4-Dimethylphenol[105-67-9]	80		3.3 ug/G	SW8270	04/17/90	18:58	JR
2,4-Dichlorophenol[120-83-2]	ND		3.3 ug/G	SW8270	04/17/90	18:58	JR
4-Chloro-3-methylphenol[59-50-7]	ND		3.3 ug/G	SW8270	04/17/90	18:58	JR
2,4,6-Trichlorophenol[38-06-2]	ND		3.3 ug/G	SW8270	04/17/90	18:58	JR
2,4-Dinitrophenol[51-28-5]	ND	17	ug/G	SW8270	04/17/90	18:58	JR
2,6-Dinitrophenol[100-02-7]	ND	17	ug/G	SW8270	04/17/90	18:58	JR
2-Methyl-4,6-dinitrophenol[534-52-1]	ND	17	ug/G	SW8270	04/17/90	18:58	JR
Pentachlorophenol[37-86-5]	ND	17	ug/G	SW8270	04/17/90	18:58	JR
SURROGATE RECOVERY-ACID FRACTION							
2-Fluorophenol (SURROGATE)	70		x REC	SW8270	04/17/90	18:58	JR
Phenol-d6 (SURROGATE)	10		x REC	SW8270	04/17/90	18:58	JR *
2,4,6-Tribromophenol (SURROGATE)	29		x REC	SW8270	04/17/90	18:58	JR

Extraction and Analytical Methods: USEPA 8270, SW-846

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit.

D: Result was obtained from the 1/50 dilution.

* Recovery was lower than the normally accepted value of 24.

AR100320



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5621

Respectfully
Submitted:

S-1 9:15
NITRO SANITATION LANDFILL 3103

Sampled by CLIENT
Date Received 03/28/90

RC [Signature]

Date Sampled 03/27/90

PRIORITY POLLUTANTS-EXTRACTABLE ORGANICS
ACID & BASE/NEUTRAL FRACTIONS
Sonication Extraction
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED	
					DATE/TIME/ANALYST	
N-Nitrosodimethylamine[62-75-9]	ND	1.7	ug/G	SW8270	04/17/90 18:58	JR
Bis(2-chloroethyl)ether[111-44-4]	ND	0.33	ug/G	SW8270	04/17/90 18:58	JR
1,3-Dichlorobenzene[541-73-1]	ND	0.33	ug/G	SW8270	04/17/90 18:58	JR
1,4-Dichlorobenzene[106-46-7]	ND	0.33	ug/G	SW8270	04/17/90 18:58	JR
1,2-Dichlorobenzene[93-50-1]	ND	0.33	ug/G	SW8270	04/17/90 18:58	JR
Bis(2-chloroisopropyl)ether[39638-32-9]	ND	0.33	ug/G	SW8270	04/17/90 18:58	JR
N-Nitrosodi-n-propylamine[621-64-7]	ND	0.67	ug/G	SW8270	04/17/90 18:58	JR
n-Toluene[98-95-3]	ND	0.33	ug/G	SW8270	04/17/90 18:58	JR
Hexachloroethane[67-72-1]	ND	0.33	ug/G	SW8270	04/17/90 18:58	JR
Isophorone[78-59-1]	ND	0.33	ug/G	SW8270	04/17/90 18:58	JR
Bis(2-Chloroethoxy)methane[111-91-1]	ND	0.33	ug/G	SW8270	04/17/90 18:58	JR
1,2,4-Trichlorobenzene[120-82-1]	ND	0.33	ug/G	SW8270	04/17/90 18:58	JR
Naphthalene[91-20-3]	ND	0.33	ug/G	SW8270	04/17/90 18:58	JR
Hexachlorobutadiene[37-62-3]	ND	0.33	ug/G	SW8270	04/17/90 18:58	JR
Hexachlorocyclopentadiene[77-47-4]	ND	0.33	ug/G	SW8270	04/17/90 18:58	JR
2-Chloronaphthalene[91-58-7]	ND	0.33	ug/G	SW8270	04/17/90 18:58	JR
Dimethylphthalate[131-11-3]	ND	0.33	ug/G	SW8270	04/17/90 18:58	JR
Acenaphthylene[208-96-8]	ND	0.33	ug/G	SW8270	04/17/90 18:58	JR
Acenaphthene[83-32-9]	ND	0.33	ug/G	SW8270	04/17/90 18:58	JR
2,6-Dinitrotoluene[606-28-2]	ND	0.33	ug/G	SW8270	04/17/90 18:58	JR
2,4-Dinitrotoluene[121-14-2]	ND	0.33	ug/G	SW8270	04/17/90 18:58	JR
Fluorene[86-73-7]	ND	0.33	ug/G	SW8270	04/17/90 18:58	JR
4-Chlorophenylphenylether[7005-72-3]	ND	0.33	ug/G	SW8270	04/17/90 18:58	JR
1,2-Diphenylhydrazine[122-66-7]	ND	0.33	ug/G	SW8270	04/17/90 18:58	JR
Diethylphthalate[84-66-2]	ND	0.33	ug/G	SW8270	04/17/90 18:58	JR
n-Nitrosodiphenylamine[86-30-6]	ND	0.67	ug/G	SW8270	04/17/90 18:58	JR
Hexachlorobenzene[118-74-1]	ND	0.33	ug/G	SW8270	04/17/90 18:58	JR
4-Bromophenylphenylether[101-55-3]	ND	0.33	ug/G	SW8270	04/17/90 18:58	JR
Phenanthrene[85-01-8]	ND	0.33	ug/G	SW8270	04/17/90 18:58	JR

REF: USEPA; Test Methods For Evaluating Solid Waste; SW-846, 3rd Ed.; Nov, 1986.

NI Not detected at a concentration greater than or equal to the MDL - Method SW-846.1

AR 100321

1256 GREENBRIER STREET, CHARLESTON, WEST VIRGINIA 25311 — TELEPHONE 304 346-0725

4643 BENSON AVENUE, BALTIMORE, MARYLAND 21227 — TELEPHONE 301 247-7400

1000 W. CINCINNATI, OHIO 45223 — TELEPHONE 513 421-3872 OR 800 344-0084



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5621

Respectfully Submitted:

B-1 3:15
NITRO SANITATION LANDFILL 3103

Sampled by CLIENT
Date Received 03/28/90

Date Sampled 03/27/90

PAGE 2

PRIORITY POLLUTANTS-EXTRACTABLE ORGANICS
ACID & BASE/NEUTRAL FRACTIONS
Sonication Extraction
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED DATE/TIME/ANALYST
Anthracene[120-12-7]	ND	0.33	ug/G	SW8270	04/17/90 18:58 JR
Di-n-butylphthalate[84-74-2]	ND	0.33	ug/G	SW8270	04/17/90 18:58 JR
Fluoranthene[206-44-0]	ND	0.33	ug/G	SW8270	04/17/90 18:58 JR
Pyrene[129-00-0]	ND	0.33	ug/G	SW8270	04/17/90 18:58 JR
Senzidine[92-87-5]	ND	1.7	ug/G	SW8270	04/17/90 18:58 JR
Diethylhexylphthalate[85-68-7]	ND	0.33	ug/G	SW8270	04/17/90 18:58 JR
Diethylhexylphthalate[117-81-7]	ND	0.33	ug/G	SW8270	04/17/90 18:58 JR
Chrysene[218-01-9]	ND	0.33	ug/G	SW8270	04/17/90 18:58 JR
Benzo(a)anthracene[56-55-3]	ND	0.33	ug/G	SW8270	04/17/90 18:58 JR
2,3'-Dichlorobenzidine[91-94-1]	ND	0.33	ug/G	SW8270	04/17/90 18:58 JR
Di-n-octylphthalate[117-34-0]	ND	0.33	ug/G	SW8270	04/17/90 18:58 JR
Benzo(b)fluoranthene[205-99-2]	ND	0.33	ug/G	SW8270	04/17/90 18:58 JR
Benzo(k)fluoranthene[207-08-9]	ND	0.33	ug/G	SW8270	04/17/90 18:58 JR
Benzo(a)pyrene[50-32-9]	ND	0.33	ug/G	SW8270	04/17/90 18:58 JR
Indeno(1,2,3-cd)pyrene[193-39-5]	ND	0.67	ug/G	SW8270	04/17/90 18:58 JR
2-benzo(a,n)anthracene[53-70-3]	ND	0.67	ug/G	SW8270	04/17/90 18:58 JR
Benzo(ghi)perylene[191-24-2]	ND	0.67	ug/G	SW8270	04/17/90 18:58 JR
SURROGATE RECOVERY-BASE/NEUTRAL FRACTION					
Nitrobenzene-d5 (SURROGATE)	72	-----	% REC	SW8270	04/17/90 18:58 JR
2-Fluorooiophenyl (SURROGATE)	88	-----	% REC	SW8270	04/17/90 18:58 JR
Terphenyl-d14 (SURROGATE)	61	-----	% REC	SW8270	04/17/90 18:58 JR

REF: USEPA; Test Methods For Evaluating Solid Waste; SW-846, 3rd Ed.; Nov, 1986.

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit.

ART00322



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Was Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5621

Respectfully Submitted:

3-1 3:15
NITRO SANITATION LANDFILL 3103

Sampled by CLIENT
Date Received 03/28/90

RCMLT

Date Sampled 03/27/90

PRIORITY POLLUTANT LIST: VOLATILE ORGANICS
Soil Procedure/Methanol Extraction
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED DATE/TIME/ANALYST
Chloromethane[74-87-3]	ND	0.63	ug/G	SW8240	04/04/90 18:08 DAA
Bromomethane[74-83-9]	ND	0.63	ug/G	SW8240	04/04/90 18:08 DAA
Vinyl Chloride[75-01-4]	ND	0.63	ug/G	SW8240	04/04/90 18:08 DAA
Chloroethane[75-08-3]	ND	0.63	ug/G	SW8240	04/04/90 18:08 DAA
Methylene Chloride[75-09-2]	ND	0.63	ug/G	SW8240	04/04/90 18:08 DAA
1,1-Dichloroethene[75-35-4]	ND	0.63	ug/G	SW8240	04/04/90 18:08 DAA
1,1-Dichloroethane[75-34-3]	ND	0.63	ug/G	SW8240	04/04/90 18:08 DAA
Trans-1,2-Dichloroethene[156-60-5]	ND	0.63	ug/G	SW8240	04/04/90 18:08 DAA
Chloroform[67-66-3]	ND	0.63	ug/G	SW8240	04/04/90 18:08 DAA
1,1-Dichloroethane[107-06-2]	ND	0.63	ug/G	SW8240	04/04/90 18:08 DAA
1,1,1-Trichloroethane	ND	0.63	ug/G	SW8240	04/04/90 18:08 DAA
Carbon Tetrachloride[56-23-5]	ND	0.63	ug/G	SW8240	04/04/90 18:08 DAA
Bromodichloromethane[75-27-4]	ND	0.63	ug/G	SW8240	04/04/90 18:08 DAA
1,2-Dichloropropane[78-87-5]	ND	0.63	ug/G	SW8240	04/04/90 18:08 DAA
trans-1,3-Dichloropropene[10061-02-6]	ND	0.63	ug/G	SW8240	04/04/90 18:08 DAA
cis-1,3-Dichloropropene[10061-01-5]	ND	0.63	ug/G	SW8240	04/04/90 18:08 DAA
Trichloroethene[79-01-6]	ND	0.63	ug/G	SW8240	04/04/90 18:08 DAA
Dibromochloromethane[124-48-1]	ND	0.63	ug/G	SW8240	04/04/90 18:08 DAA
1,1,2-Trichloroethane[79-00-5]	ND	0.63	ug/G	SW8240	04/04/90 18:08 DAA
2-Chloroethylvinylether[110-75-8]	ND	1.3	ug/G	SW8240	04/04/90 18:08 DAA
Bromoform[75-25-2]	ND	0.63	ug/G	SW8240	04/04/90 18:08 DAA
1,1,2,2-Tetrachloroethane[79-34-5]	ND	0.63	ug/G	SW8240	04/04/90 18:08 DAA
Tetrachloroethene[127-18-4]	ND	0.63	ug/G	SW8240	04/04/90 18:08 DAA
Benzene[71-43-2]	ND	0.63	ug/G	SW8240	04/04/90 18:08 DAA
Toluene[108-88-3]	ND	0.63	ug/G	SW8240	04/04/90 18:08 DAA
Ethylbenzene[100-41-4]	ND	0.63	ug/G	SW8240	04/04/90 18:08 DAA
Chlorobenzene[108-90-7]	ND	0.63	ug/G	SW8240	04/04/90 18:08 DAA
Acrylonitrile[107-13-1]	ND	6.3	ug/G	SW8240	04/04/90 18:08 DAA
Acrolein[107-02-8]	ND	6.3	ug/G	SW8240	04/04/90 18:08 DAA
SURROGATE RECOVERY-VOLATILE FRACTION					

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit.

Analytical Methods: USEPA 8240, SW-846 (Purge/Trap/Desorb or Direct Injection) **AR 100323**



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5621

Respectfully
Submitted:

3-1 9:15
NITRO SANITATION LANDFILL 3103

Sampled by CLIENT
Date Received 03/29/90

Date Sampled 03/27/90

PAGE 2

PRIORITY POLLUTANT LIST: VOLATILE ORGANICS
Soil Procedure/Methanol Extraction
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED DATE/TIME/ANALYST
1,2-Dichloroethane-d4 (SURROGATE)	36	-----	* REC	SW8240	04/04/90 18:08 DAA
Toluene-d8 (SURROGATE)	95	-----	* REC	SW8240	04/04/90 18:08 DAA
Bromofluorobenzene (SURROGATE)	109	-----	* REC	SW8240	04/04/90 18:08 DAA

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit.

Analytical Methods: USEPA 8240, SW-846 (Purge/Trap/Desorb or Direct Injection)

AR100324



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5622

Respectfully Submitted:

6-2 10:00

NITRO SANITATION LANDFILL 3103

Sampled by CLIENT

Date Received 03/28/90

R C M

Date Sampled 03/27/90

PRIORITY POLLUTANTS: ACID EXTRACTABLES FRACTION

Soil Procedure/Sonication Extraction

ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNI	S	METHOD	ANALYZED DATE/TIME/ANALYST
Phenol[108-95-2]	ND	0.33	ug/G		SW8270	04/12/90 16:57 JR
2-Chlorophenol[95-57-8]	ND	0.33	ug/G		SW8270	04/12/90 16:57 JR
2-Nitrophenol[98-75-5]	ND	0.33	ug/G		SW8270	04/12/90 16:57 JR
2,4-Dimethylphenol[105-67-9]	ND	0.33	ug/G		SW8270	04/12/90 16:57 JR
2,4-Dichlorophenol[120-83-2]	ND	0.33	ug/G		SW8270	04/12/90 16:57 JR
4-Chloro-3-methylphenol[59-58-7]	ND	0.33	ug/G		SW8270	04/12/90 16:57 JR
2,4,6-Trichlorophenol[88-06-2]	ND	0.33	ug/G		SW8270	04/12/90 16:57 JR
2,4-Dinitrophenol[51-28-5]	ND	1.7	ug/G		SW8270	04/12/90 16:57 JP
3-Nitrophenol[100-02-7]	ND	1.7	ug/G		SW8270	04/12/90 16:57 J.
2-Methyl-4,6-dinitrophenol[534-52-1]	ND	1.7	ug/G		SW8270	04/12/90 16:57 JR
Pentachlorophenol[87-86-5]	ND	1.7	ug/G		SW8270	04/12/90 16:57 JR
SURROGATE RECOVERY-ACID FRACTION						
2-Fluorophenol (SURROGATE)	17	-----	X REC		SW8270	04/12/90 16:57 JR *
Phenol-d6 (SURROGATE)	40	-----	X REC		SW8270	04/12/90 16:57 JR
2,4,6-Tribromophenol (SURROGATE)	11	-----	X REC		SW8270	04/12/90 16:57 JR

Extraction and Analytical Methods: USEPA 8270, SW-846

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit.

* Recovery was lower than the normally accepted value of 25.

AR100325



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5622

Respectfully
Submitted:

3-2 10:00
NITRO SANITATION LANDFILL 3103

Sampled by CLIENT
Date Received 03/28/90

RC Murphy

Date Sampled 03/27/90

PRIORITY POLLUTANTS-EXTRACTABLE ORGANICS
ACID & BASE/NEUTRAL FRACTIONS
Sonication Extraction
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED DATE/TIME/ANALYST
4-Nitrosodimethylamine[62-75-9]	ND	1.7	ug/G	SW8270	04/12/90 16:57 JR
Bis(2-chloroethyl)ether[111-44-4]	ND	0.33	ug/G	SW8270	04/12/90 16:57 JR
1,3-Dichlorobenzene[541-73-1]	ND	0.33	ug/G	SW8270	04/12/90 16:57 JR
1,4-Dichlorobenzene[106-46-7]	ND	0.33	ug/G	SW8270	04/12/90 16:57 JR
1,2-Dichlorobenzene[95-50-1]	ND	0.33	ug/G	SW8270	04/12/90 16:57 JR
Bis(2-chloroisopropyl)ether[39638-32-9]	ND	0.33	ug/G	SW8270	04/12/90 16:57 JR
N-Nitrosodi-n-propylamine[621-64-7]	ND	0.67	ug/G	SW8270	04/12/90 16:57 JF
benzene[98-95-3]	ND	0.33	ug/G	SW8270	04/12/90 16:57 JR
hexachloroethane[67-72-1]	ND	0.33	ug/G	SW8270	04/12/90 16:57 JR
Isophorone[78-59-1]	ND	0.33	ug/G	SW8270	04/12/90 16:57 JR
Bis(2-Chloroethoxy)methane[111-91-1]	ND	0.33	ug/G	SW8270	04/12/90 16:57 JR
1,2,4-Trichlorobenzene[120-32-1]	ND	0.33	ug/G	SW8270	04/12/90 16:57 JR
Naphthalene[91-20-3]	ND	0.33	ug/G	SW8270	04/12/90 16:57 JR
Hexachlorobutadiene[87-68-3]	ND	0.33	ug/G	SW8270	04/12/90 16:57 JR
Hexachlorocyclopentadiene[77-47-4]	ND	0.33	ug/G	SW8270	04/12/90 16:57 JR
2-Chloronaphthalene[91-58-7]	ND	0.33	ug/G	SW8270	04/12/90 16:57 JR
Dimethylphthalate[131-11-3]	ND	0.33	ug/G	SW8270	04/12/90 16:57 JR
Acenaphthylene[208-96-8]	ND	0.33	ug/G	SW8270	04/12/90 16:57 JR
Acenaphthene[83-32-9]	ND	0.33	ug/G	SW8270	04/12/90 16:57 JR
2,6-Dinitrotoluene[606-20-2]	ND	0.33	ug/G	SW8270	04/12/90 16:57 JR
2,4-Dinitrotoluene[121-14-2]	ND	0.33	ug/G	SW8270	04/12/90 16:57 JR
Fluorene[86-73-7]	ND	0.33	ug/G	SW8270	04/12/90 16:57 JR
4-Chlorophenylphenylether[7005-72-3]	ND	0.33	ug/G	SW8270	04/12/90 16:57 JR
1,2-Diphenylhydrazine[122-66-7]	ND	0.33	ug/G	SW8270	04/12/90 16:57 JR
Diethylphthalate[84-66-2]	ND	0.33	ug/G	SW8270	04/12/90 16:57 JR
n-Nitrosodiphenylamine[86-38-6]	ND	0.67	ug/G	SW8270	04/12/90 16:57 JR
Hexachlorobenzene[118-74-1]	ND	0.33	ug/G	SW8270	04/12/90 16:57 JR

REF: USEPA; Test Methods For Evaluating Solid Waste; SW-846, 3rd Ed.; Nov, 1986.

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit.

proximate value - daily calibration response exceeded the mean RF by greater than 100% **100326**



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F.Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5622

Respectfully
Submitted:

3-2 10:00
NITRO SANITATION LANDFILL 3103

Sampled by CLIENT
Date Received 03/28/90

Date Sampled 03/27/90

PAGE 2

PRIORITY POLLUTANTS-EXTRACTABLE ORGANICS
ACID & BASE/NEUTRAL FRACTIONS
Sonication Extraction
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED DATE/TIME/ANALYST
4-Bromophenylphenylether[101-55-3]	ND	0.33	ug/G	SW8270	04/12/90 16:57 JR
Phenanthrene[125-01-8]	ND	0.33	ug/G	SW8270	04/12/90 16:57 JR
Anthracene[120-12-7]	ND	0.33	ug/G	SW8270	04/12/90 16:57 JR
Di-n-butylphthalate[84-74-2]	ND	0.33	ug/G	SW8270	04/12/90 16:57 JR
Fluoranthene[206-44-0]	0.33	0.33	ug/G	SW8270	04/12/90 16:57 JR
Pyrene[129-00-0]	0.45**	0.33	ug/G	SW8270	04/12/90 16:57 JR
2-Pyridine[92-87-5]	ND	1.7	ug/G	SW8270	04/12/90 16:57 JR
Butylbenzylphthalate[35-68-7]	ND	0.33	ug/G	SW8270	04/12/90 16:57 JR
Bis(2-ethylhexyl)phthalate[117-81-7]	1.7	0.33	ug/G	SW8270	04/12/90 16:57 JR
Chrysene[218-01-9]	ND	0.33	ug/G	SW8270	04/12/90 16:57 JR
Benz(a)anthracene[56-55-3]	ND	0.33	ug/G	SW8270	04/12/90 16:57 JR
3,3'-Dichlorobenzidine[91-94-1]	ND	0.33	ug/G	SW8270	04/12/90 16:57 JR
Di-n-octylphthalate[117-84-0]	ND	0.33	ug/G	SW8270	04/12/90 16:57 JR
Benzo(b)fluoranthene[205-99-2]	ND	0.33	ug/G	SW8270	04/12/90 16:57 JR
Benzo(k)fluoranthene[207-08-9]	ND	0.33	ug/G	SW8270	04/12/90 16:57 JR
Benzo(a)pyrene[50-32-8]	ND	0.33	ug/G	SW8270	04/12/90 16:57 JR
Indeno(1,2,3-cd)pyrene[193-39-5]	ND	0.67	ug/G	SW8270	04/12/90 16:57 JR
Dibenzo(a,h)anthracene[53-70-3]	ND	0.67	ug/G	SW8270	04/12/90 16:57 JR
Benzo(ghi)perylene[191-24-2]	ND	0.67	ug/G	SW8270	04/12/90 16:57 JR
SURROGATE RECOVERY-BASE/NEUTRAL FRACTION					
Nitrobenzene-d5(SURROGATE)	41	-----	X REC	SW8270	04/12/90 16:57 JR
2-Fluorobiphenyl(SURROGATE)	52	-----	X REC	SW8270	04/12/90 16:57 JR
Terphenyl-d14(SURROGATE)	54	-----	X REC	SW8270	04/12/90 16:57 JR

REF: USEPA; Test Methods For Evaluating Solid Waste; SW-846, 3rd Ed.; Nov, 1986.

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit.

** Approximate value - daily calibration response exceeded the mean RF by greater than 30%.

AR100327

1256 GREENBRIER STREET, CHARLESTON, WEST VIRGINIA 25311 — TELEPHONE 304 348-0725

4643 BENSON AVENUE, BALTIMORE, MARYLAND 21227 — TELEPHONE 301 247-7400

CINCINNATI, OHIO AREA — TELEPHONE 513 421-3872 OR 800 368-6888



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5622

Respectfully
Submitted:

S-2 10:00

NITRO SANITATION LANDFILL 3103

Sampled by CLIENT

Date Received 03/28/90

RC Mygl

Date Sampled 03/27/90

PRIORITY POLLUTANT LIST: VOLATILE ORGANICS

Soil Procedure/Methanol Extraction

ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED		
					DATE/TIME/ANALYST		
Chloromethane[74-87-3]	ND	0.63	ug/G	SW8240	04/04/90	18:52	DAA
Bromomethane[74-83-9]	ND	0.63	ug/G	SW8240	04/04/90	18:52	DAA
Vinyl Chloride[75-01-4]	ND	0.63	ug/G	SW8240	04/04/90	18:52	DAA
Chloroethane[75-00-3]	ND	0.63	ug/G	SW8240	04/04/90	18:52	DAA
Methylene Chloride[75-09-2]	ND	0.63	ug/G	SW8240	04/04/90	18:52	DAA
1,1-Dichloroethene[75-35-4]	ND	0.63	ug/G	SW8240	04/04/90	18:52	DAA
1,1-Dichloroethane[75-34-3]	ND	0.63	ug/G	SW8240	04/04/90	18:52	DAA
Trans-1,2-Dichloroethene[156-60-5]	ND	0.63	ug/G	SW8240	04/04/90	18:52	DAA
Chloroform[67-66-3]	ND	0.63	ug/G	SW8240	04/04/90	18:52	DAA
1,1-Dichloroethane[107-06-2]	ND	0.63	ug/G	SW8240	04/04/90	18:52	DAA
1,1,1-Trichloroethane	ND	0.63	ug/G	SW8240	04/04/90	18:52	DAA
Carbon Tetrachloride[56-23-5]	ND	0.63	ug/G	SW8240	04/04/90	18:52	DAA
Bromodichloromethane[75-27-4]	ND	0.63	ug/G	SW8240	04/04/90	18:52	DAA
1,2-Dichloropropane[78-87-5]	ND	0.63	ug/G	SW8240	04/04/90	18:52	DAA
trans-1,3-Dichloropropene[10061-02-6]	ND	0.63	ug/G	SW8240	04/04/90	18:52	DAA
cis-1,3-Dichloropropene[10061-01-5]	ND	0.63	ug/G	SW8240	04/04/90	18:52	DAA
Trichloroethene[79-01-6]	ND	0.63	ug/G	SW8240	04/04/90	18:52	DAA
Dibromochloromethane[124-48-1]	ND	0.63	ug/G	SW8240	04/04/90	18:52	DAA
1,1,2-Trichloroethane[79-00-5]	ND	0.63	ug/G	SW8240	04/04/90	18:52	DAA
2-Chloroethylvinylether[110-75-8]	ND	1.3	ug/G	SW8240	04/04/90	18:52	DAA
Bromoform[75-25-2]	ND	0.63	ug/G	SW8240	04/04/90	18:52	DAA
1,1,2,2-Tetrachloroethane[79-34-5]	ND	0.63	ug/G	SW8240	04/04/90	18:52	DAA
Tetrachloroethene[127-18-4]	ND	0.63	ug/G	SW8240	04/04/90	18:52	DAA
Benzene[71-43-2]	ND	0.63	ug/G	SW8240	04/04/90	18:52	DAA
Toluene[108-88-3]	ND	0.63	ug/G	SW8240	04/04/90	18:52	DAA
Ethylbenzene[100-41-4]	ND	0.63	ug/G	SW8240	04/04/90	18:52	DAA
Chlorobenzene[108-90-7]	ND	0.63	ug/G	SW8240	04/04/90	18:52	DAA
Acrylonitrile[107-13-1]	ND	6.3	ug/G	SW8240	04/04/90	18:52	DAA

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit.

Analytical Method: USEPA 8240, SW-846 (Purge/Trap/Desorb or Direct Injection)

* Recovery was greater than the normally accepted value.

AR100328



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5622

Respectfully
Submitted:

3-2 10:00
NITRO SANITATION LANDFILL 3103

Sampled by CLIENT
Date Received 03/28/90

R.C. Murphy

Date Sampled 03/27/90

PAGE 2

PRIORITY POLLUTANT LIST: VOLATILE ORGANICS
Soil Procedure/Methanol Extraction
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED DATE/TIME/ANALYST
Acrolein[107-02-6] SURROGATE RECOVERY-VOLATILE FRACTION	ND	6.3	ug/G	SW8240	04/04/90 18:52 DAA
1,2-Dichloroethane-d4(SURROGATE)	108	-----	X REC	SW8240	04/04/90 18:52 DAA
Toluene-d8(SURROGATE)	110	-----	X REC	SW8240	04/04/90 18:52 DAA
Bromofluorobenzene(SURROGATE)	125	-----	X REC	SW8240	04/04/90 18:52 DAA **

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit.

Analytical Methods: USEPA 8240, SW-846 (Purge/Trap/Desorb or Direct Injection)

** Recovery was greater than the normally accepted value.

ARI00329



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

A.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5623

Respectfully
Submitted:

B-3 10:20
NITRO SANITATION LANDFILL 3103

Sampled by CLIENT
Date Received 03/28/90

Date Sampled 03/27/90

PRIORITY POLLUTANTS: ACID EXTRACTABLES FRACTION
Soil Procedure/Sonication Extraction
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED DATE/TIME/ANALYST
Phenol[133-95-9]	ND	0.33	ug/G	SW8270	04/12/90 17:53 JR
1-Chlorophenol[105-85-8]	ND	0.33	ug/G	SW8270	04/12/90 17:53 JR
3-Nitrophenol[108-75-5]	ND	0.33	ug/G	SW8270	04/12/90 17:53 JR
2,4-Dimethylphenol[105-67-9]	ND	0.33	ug/G	SW8270	04/12/90 17:53 JR
2,4-Dichlorophenol[120-83-2]	ND	0.33	ug/G	SW8270	04/12/90 17:53 JR
4-Chloro-3-methylphenol[159-50-7]	ND	0.33	ug/G	SW8270	04/12/90 17:53 JR
2,4,6-Trichlorophenol[133-06-2]	ND	0.33	ug/G	SW8270	04/12/90 17:53 JR
2,4-Dinitrophenol[51-28-5]	ND	1.7	ug/G	SW8270	04/12/90 17:53 JF
4-Nitrophenol[100-02-7]	ND	1.7	ug/G	SW8270	04/12/90 17:53 JR
2-methyl-4,6-dinitrophenol[534-52-1]	ND	1.7	ug/G	SW8270	04/12/90 17:53 JR
Pentachlorophenol[87-36-5]	ND	1.7	ug/G	SW8270	04/12/90 17:53 JR
SURROGATE RECOVERY-ACID FRACTION					
2-Fluorophenol (SURROGATE)	15	-----	% REC	SW8270	04/12/90 17:53 JR *
Phenol-86 (SURROGATE)	30	-----	% REC	SW8270	04/12/90 17:53 JR
2,4,6-Tribromophenol (SURROGATE)	11	-----	% REC	SW8270	04/12/90 17:53 JR

Extraction and Analytical Method: USEPA 8270, SW-846

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit.

* Recovery was lower than the normally accepted value of 26.

AR100330



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5623

Respectfully
Submitted:

3-3 10:20
NITRO SANITATION LANDFILL 3103

Sampled by CLIENT
Date Received 03/28/90

R C Murphy

Date Sampled 03/27/90

PRIORITY POLLUTANTS-EXTRACTABLE ORGANICS
ACID & BASE/NEUTRAL FRACTIONS
Sonication Extraction
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED DATE/TIME/ANALYST
N-Nitrosodimethylamine[62-73-9]	ND	1.7	ug/G	SW8270	04/12/90 17:53 JR
Bis(2-chloroethyl) ether[111-44-4]	ND	0.33	ug/G	SW8270	04/12/90 17:53 JR
1,3-Dichlorobenzene[541-73-1]	ND	0.33	ug/G	SW8270	04/12/90 17:53 JR
1,4-Dichlorobenzene[106-46-7]	ND	0.33	ug/G	SW8270	04/12/90 17:53 JR
1,2-Dichlorobenzene[95-50-1]	ND	0.33	ug/G	SW8270	04/12/90 17:53 JR
Bis(2-chloroisopropyl) ether[39638-32-9]	ND	0.33	ug/G	SW8270	04/12/90 17:53 JR
N-Nitrosodi-n-propylamine[621-64-7]	ND	0.67	ug/G	SW8270	04/12/90 17:53 JR
Nitrobenzene[98-95-3]	ND	0.33	ug/G	SW8270	04/12/90 17:53 JR
Hexachloroethane[67-72-1]	ND	0.33	ug/G	SW8270	04/12/90 17:53 JR
Isophtorone[78-59-1]	ND	0.33	ug/G	SW8270	04/12/90 17:53 JR
Bis(2-Chloroethoxy) methane[111-91-1]	ND	0.33	ug/G	SW8270	04/12/90 17:53 JR
1,2,4-Trichlorobenzene[120-32-1]	ND	0.33	ug/G	SW8270	04/12/90 17:53 JR
Naphthalene[91-20-3]	ND	0.33	ug/G	SW8270	04/12/90 17:53 JR
Hexachlorobutadiene[87-68-3]	ND	0.33	ug/G	SW8270	04/12/90 17:53 JR
Hexachlorocyclopentadiene[77-47-4]	ND	0.33	ug/G	SW8270	04/12/90 17:53 JR
2-Chloronaphthalene[91-50-7]	ND	0.33	ug/G	SW8270	04/12/90 17:53 JR
Dimethylphthalate[131-11-3]	ND	0.33	ug/G	SW8270	04/12/90 17:53 JR
Acenaphthylene[208-96-8]	0.36	0.33	ug/G	SW8270	04/12/90 17:53 JR
Acenaphthene[83-32-9]	ND	0.33	ug/G	SW8270	04/12/90 17:53 JR
2,6-Dinitrotoluene[606-20-2]	ND	0.33	ug/G	SW8270	04/12/90 17:53 JR
2,4-Dinitrotoluene[121-14-2]	ND	0.33	ug/G	SW8270	04/12/90 17:53 JR
Fluorene[86-73-7]	0.78	0.33	ug/G	SW8270	04/12/90 17:53 JR
4-Chlorophenylphenylether[7005-72-3]	ND	0.33	ug/G	SW8270	04/12/90 17:53 JR
1,2-Diphenylhydrazine[122-66-7]	ND	0.33	ug/G	SW8270	04/12/90 17:53 JR
Diethylphthalate[84-66-2]	ND	0.33	ug/G	SW8270	04/12/90 17:53 JR
n-Nitrosodiphenylamine[86-30-6]	ND	0.67	ug/G	SW8270	04/12/90 17:53 JR
Hexachlorobenzene[118-74-1]	ND	0.33	ug/G	SW8270	04/12/90 17:53 JR

REF: USEPA; Test Methods For Evaluating Solid Waste; SW-846, 3rd Ed.; Nov, 1986.

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit.

* Estimated value, daily calibration response exceeded the initial RF by more than 10%.

RR100031



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5623

Respectfully
Submitted:

3-3 10:20

NITRO SANITATION LANDFILL 0103

Sampled by CLIENT

Date Received 03/28/90

Date Sampled 03/27/90

PAGE 3

PRIORITY POLLUTANTS-EXTRACTABLE ORGANICS
ACID & BASE/NEUTRAL FRACTIONS
Sonication Extraction
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED	
					DATE/TIME	ANALYST
4-Bromophenylphenylether[101-55-3]	ND	0.35	ug/G	SW8270	04/12/90	17:53 JR
Phenanthrene[125-81-3]	3.6	0.33	ug/G	SW8270	04/12/90	17:53 JR
Anthracene[120-12-7]	1.1	0.33	ug/G	SW8270	04/12/90	17:53 JR
Di-n-butylphthalate[84-74-2]	ND	0.33	ug/G	SW8270	04/12/90	17:53 JR
Fluoranthene[206-44-0]	3.3	0.33	ug/G	SW8270	04/12/90	17:53 JR
Pyrene[129-00-0]	3.5*	0.33	ug/G	SW8270	04/12/90	17:53 JR
idine[92-87-3]	ND	1.7	ug/G	SW8270	04/12/90	17:53 JR
/benzylphthalate[85-68-7]	ND	0.33	ug/G	SW8270	04/12/90	17:53 JR
Bis(2-ethylhexyl)phthalate[117-81-7]	1.0	0.33	ug/G	SW8270	04/12/90	17:53 JR
Chrysenel[218-01-9]	2.0	0.33	ug/G	SW8270	04/12/90	17:53 JR
Benz(a)anthracene[56-55-3]	2.3	0.33	ug/G	SW8270	04/12/90	17:53 JR
3,3'-Dichlorobenzidine[91-94-1]	ND	0.33	ug/G	SW8270	04/12/90	17:53 JR
Di-n-octylphthalate[117-84-0]	ND	0.33	ug/G	SW8270	04/12/90	17:53 JR
Benzo(b)fluoranthene[205-99-2]	3.0	0.33	ug/G	SW8270	04/12/90	17:53 JR
Benzo(k)fluoranthene[207-08-9]	ND	0.33	ug/G	SW8270	04/12/90	17:53 JR
Benzo(a)pyrene[50-32-8]	2.1	0.33	ug/G	SW8270	04/12/90	17:53 JR
Indeno(1,2,3-cd)pyrene[193-39-5]	1.1	0.67	ug/G	SW8270	04/12/90	17:53 JR
Dibenzo(a,h)anthracene[53-70-3]	ND	0.67	ug/G	SW8270	04/12/90	17:53 JR
Benzo(ghi)perylene[191-24-2]	1.0	0.67	ug/G	SW8270	04/12/90	17:53 JR
SURROGATE RECOVERY-BASE/NEUTRAL FRACTION						
Nitrobenzene-d5(SURROGATE)	41	-----	% REC	SW8270	04/12/90	17:53 JR
2-Fluorobiphenyl(SURROGATE)	48	-----	% REC	SW8270	04/12/90	17:53 JR
Terphenyl-d14(SURROGATE)	31	-----	% REC	SW8270	04/12/90	17:53 JR

REF: USEPA; Test Methods For Evaluating Solid Waste; SW-846, 3rd Ed.; Nov, 1986.

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit.

* Estimated value, daily calibration response exceeded the initial RF by more than 30%.

AR100332



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5623

Respectfully
Submitted:

3-3 10:20

NITRO SANITATION LANDFILL 3103

Sampled by CLIENT

Date Received 03/28/98

RC Murphy

Date Sampled 03/27/98

PRIORITY POLLUTANT LIST: VOLATILE ORGANICS

Soil Procedure/Methanol Extraction

ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED	
					DATE/TIME	ANALYST
Chloromethane[74-87-5]	ND	3.63	ug/G	SW8240	04/04/98	19:36 DAA
Bromomethane[74-83-9]	ND	3.63	ug/G	SW8240	04/04/98	19:36 DAA
Vinyl Chloride[75-01-4]	ND	0.63	ug/G	SW8240	04/04/98	19:36 DAA
Chloroethane[75-00-3]	ND	0.63	ug/G	SW8240	04/04/98	19:36 DAA
Methylene Chloride[75-09-2]	ND	0.63	ug/G	SW8240	04/04/98	19:36 DAA
1,1-Dichloroethane[75-35-4]	ND	0.63	ug/G	SW8240	04/04/98	19:36 DAA
1,1-Dichloroethane[75-34-3]	ND	0.63	ug/G	SW8240	04/04/98	19:36 DAA
Trans-1,2-Dichloroethane[156-60-5]	ND	0.63	ug/G	SW8240	04/04/98	19:36 DAA
Chloroform[67-66-3]	ND	0.63	ug/G	SW8240	04/04/98	19:36 DAA
1,1-Dichloroethane[107-06-2]	ND	0.63	ug/G	SW8240	04/04/98	19:36 DAA
1,1,1-Trichloroethane	ND	0.63	ug/G	SW8240	04/04/98	19:36 DAA
Carbon Tetrachloride[56-23-5]	ND	0.63	ug/G	SW8240	04/04/98	19:36 DAA
Bromodichloromethane[75-27-4]	ND	0.63	ug/G	SW8240	04/04/98	19:36 DAA
1,2-Dichloropropane[78-87-5]	ND	0.63	ug/G	SW8240	04/04/98	19:36 DAA
trans-1,3-Dichloropropene[10061-02-6]	ND	0.63	ug/G	SW8240	04/04/98	19:36 DAA
cis-1,3-Dichloropropene[10061-01-5]	ND	0.63	ug/G	SW8240	04/04/98	19:36 DAA
Trichloroethene[79-01-6]	ND	0.63	ug/G	SW8240	04/04/98	19:36 DAA
Dibromochloromethane[124-48-1]	ND	0.63	ug/G	SW8240	04/04/98	19:36 DAA
1,1,2-Trichloroethane[79-00-5]	ND	0.63	ug/G	SW8240	04/04/98	19:36 DAA
2-Chloroethylvinylether[110-75-8]	ND	1.3	ug/G	SW8240	04/04/98	19:36 DAA
Bromoform[75-25-2]	ND	0.63	ug/G	SW8240	04/04/98	19:36 DAA
1,1,2,2-Tetrachloroethane[79-34-5]	ND	0.63	ug/G	SW8240	04/04/98	19:36 DAA
Tetrachloroethane[127-18-4]	ND	0.63	ug/G	SW8240	04/04/98	19:36 DAA
Benzene[71-43-2]	ND	0.63	ug/G	SW8240	04/04/98	19:36 DAA
Toluene[100-80-3]	ND	0.63	ug/G	SW8240	04/04/98	19:36 DAA
Ethylbenzene[100-41-4]	ND	0.63	ug/G	SW8240	04/04/98	19:36 DAA
Chlorobenzene[108-90-7]	ND	0.63	ug/G	SW8240	04/04/98	19:36 DAA
Acrylonitrile[107-13-1]	ND	6.3	ug/G	SW8240	04/04/98	19:36 DAA
Acrolein[107-02-8]	ND	6.3	ug/G	SW8240	04/04/98	19:36 DAA

SURROGATE RECOVERY-VOLATILE FRACTION

ND: Not detected at a concentration greater than or equal to the MDL - Method SW8240

Analytical Methods: USEPA 8240, SW-846 (Purge/Trap/Desorb or Direct Injection)

1258 GREENBRIER STREET, CHARLESTON, WEST VIRGINIA 25311 — TELEPHONE 304 348-0725

4643 BENSON AVENUE, BALTIMORE, MARYLAND 21227 — TELEPHONE 301 247-7400

CINCINNATI, OHIO AREA — TELEPHONE 513 421-3872 OR 606 344-0084



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston - Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5623

Respectfully
Submitted:

S-3 10:20
NITRO SANITATION LANDFILL 0103

Sampled by CLIENT
Date Received 03/28/90

RCM

Date Sampled 03/27/90

PAGE 2

PRIORITY POLLUTANT LIST: VOLATILE ORGANICS
Soil Procedure/Methanol Extraction
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED DATE/TIME/ANALYST
1,2-Dichloroethane-d4 (SURROGATE)	106	-----	X REC	SW8240	04/04/90 19:36 DAA
Toluene-d8 (SURROGATE)	110	-----	X REC	SW8240	04/04/90 19:36 DAA
Bromofluorobenzene (SURROGATE)	122	-----	X REC	SW8240	04/04/90 19:36 DAA

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit.

Analytical Method: USEPA 8240, SW-846 (Purge/Trap/Desorb or Direct Injection)

AR100334



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5624

Respectfully Submitted:

S-4 10:45

NITRO SANITATION LANDFILL J103

Sampled by CLIENT

Date Received 03/28/90

RC Murphy

Date Sampled 03/27/90

PRIORITY POLLUTANTS: ACID EXTRACTABLES FRACTION

Soil Procedure/Sonication Extraction

ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED DATE/TIME/ANALYST
Phenol[108-95-2]	ND	0.33	ug/G	SW8270	04/10/90 16:58 JR
2-Chlorophenol[95-57-8]	ND	0.33	ug/G	SW8270	04/10/90 16:58 JR
3-Nitrophenol[88-73-5]	ND	0.33	ug/G	SW8270	04/10/90 16:58 JR
2,4-Dimethylphenol[105-67-9]	ND	0.33	ug/G	SW8270	04/10/90 16:58 JR
2,4-Dichlorophenol[120-83-2]	ND	0.33	ug/G	SW8270	04/10/90 16:58 JR
4-Chloro-3-methylphenol[59-50-7]	ND	0.33	ug/G	SW8270	04/10/90 16:58 JR
2,4,6-Trichlorophenol[88-06-2]	ND	0.33	ug/G	SW8270	04/10/90 16:58 JR
2,4-Dinitrophenol[51-28-5]	ND	1.7	ug/G	SW8270	04/10/90 16:58 JR
4-nitrophenol[100-02-7]	ND	1.7	ug/G	SW8270	04/10/90 16:58 JR
2-methyl-4,6-dinitrophenol[534-52-1]	ND	1.7	ug/G	SW8270	04/10/90 16:58 JR
Pentachlorophenol[87-86-5]	ND	1.7	ug/G	SW8270	04/10/90 16:58 JR
SURROGATE RECOVERY-ACID FRACTION					
2-Fluorophenol (SURROGATE)	24	-----	% REC	SW8270	04/10/90 16:58 JR *
Phenol-d6 (SURROGATE)	47	-----	% REC	SW8270	04/10/90 16:58 JR
2,4,6-Tribromophenol (SURROGATE)	16	-----	% REC	SW8270	04/10/90 16:58 JR

Extraction and Analytical Methods: USEPA 8270, SW-846

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit.

* Recovery was lower than the normally accepted value of 26.

AR100335



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5624

Respectfully
Submitted:

3-4 10:45
NITRO SANITATION LANDFILL 3103

Sampled by CLIENT
Date Received 03/28/90

R C M

Date Sampled 03/27/90

PRIORITY POLLUTANTS-EXTRACTABLE ORGANICS
ACID & BASE/NEUTRAL FRACTIONS
Sonication Extraction
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED		
					DATE/TIME/ANALYST		
N-Nitrosodimethylamine[62-75-9]	ND	1.7	ug/G	SW8270	04/10/90	16:58	JR
Bis(2-chloroethyl) ether[111-44-4]	ND	0.33	ug/G	SW8270	04/10/90	16:58	JR
1,3-Dichlorobenzene[341-73-1]	ND	0.33	ug/G	SW8270	04/10/90	16:58	JR
1,4-Dichlorobenzene[106-46-7]	ND	0.33	ug/G	SW8270	04/10/90	16:58	JR
1,2-Dichlorobenzene[95-50-1]	ND	0.33	ug/G	SW8270	04/10/90	16:58	JR
Bis(2-chloroisopropyl) ether[39638-32-9]	ND	0.33	ug/G	SW8270	04/10/90	16:58	JR
N-Nitrosodi-n-propylamine[621-64-7]	ND	0.67	ug/G	SW8270	04/10/90	16:58	JR
1,2,4-Trichlorobenzene[98-95-3]	ND	0.33	ug/G	SW8270	04/10/90	16:58	JR
1,1-Dichloroethane[67-72-1]	ND	0.33	ug/G	SW8270	04/10/90	16:58	JR
Isophorone[78-59-1]	ND	0.33	ug/G	SW8270	04/10/90	16:58	JR
Bis(2-Chloroethoxy) methane[111-91-1]	ND	0.33	ug/G	SW8270	04/10/90	16:58	JR
1,2,4-Trichlorobenzene[120-82-1]	ND	0.33	ug/G	SW8270	04/10/90	16:58	JR
Naphthalene[91-20-3]	ND	0.33	ug/G	SW8270	04/10/90	16:58	JR
Hexachlorobutadiene[87-68-3]	ND	0.33	ug/G	SW8270	04/10/90	16:58	JR
Hexachlorocyclopentadiene[77-47-4]	ND	0.33	ug/G	SW8270	04/10/90	16:58	JR
2-Chloronaphthalene[91-58-7]	ND	0.33	ug/G	SW8270	04/10/90	16:58	JR
Dimethylphthalate[131-11-3]	ND	0.33	ug/G	SW8270	04/10/90	16:58	JR
Acenaphthylene[208-96-8]	ND	0.33	ug/G	SW8270	04/10/90	16:58	JR
Acenaphthene[83-32-9]	ND	0.33	ug/G	SW8270	04/10/90	16:58	JR
2,6-Dinitrotoluene[606-20-2]	ND	0.33	ug/G	SW8270	04/10/90	16:58	JR
2,4-Dinitrotoluene[121-14-2]	ND	0.33	ug/G	SW8270	04/10/90	16:58	JR
Fluorene[86-73-7]	ND	0.33	ug/G	SW8270	04/10/90	16:58	JR
4-Chlorophenylphenylether[7005-72-3]	ND	0.33	ug/G	SW8270	04/10/90	16:58	JR
1,2-Diphenylhydrazine[122-66-7]	ND	0.33	ug/G	SW8270	04/10/90	16:58	JR
Diethylphthalate[84-66-2]	ND	0.33	ug/G	SW8270	04/10/90	16:58	JR
n-Nitrosodiphenylamine[86-30-6]	ND	0.67	ug/G	SW8270	04/10/90	16:58	JR
Hexachlorobenzene[113-74-1]	ND	0.33	ug/G	SW8270	04/10/90	16:58	JR
4-Bromophenylphenylether[101-55-3]	ND	0.33	ug/G	SW8270	04/10/90	16:58	JR
Phenanthrene[85-01-8]	ND	0.33	ug/G	SW8270	04/10/90	16:58	JR

REF: USEPA; Test Methods For Evaluating Solid Waste; SW-846, 3rd Ed.; Nov, 1986.

Not detected at a concentration greater than or equal to the MDL - Method SW-846, 3rd Ed. 10/10/90



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5624

Respectfully
Submitted:

3-4 10:45
NITRO SANITATION LANDFILL 3103

Sampled by CLIENT
Date Received 03/28/90

RCM

Date Sampled 03/27/90

PAGE

PRIORITY POLLUTANTS-EXTRACTABLE ORGANICS
ACID & BASE/NEUTRAL FRACTIONS
Sonication Extraction
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED DATE/TIME/ANALYST
Anthracene[120-12-7]	ND	0.33	ug/G	SW8270	04/10/90 16:58 JR
Di-n-butylphthalate[84-74-2]	ND	0.33	ug/G	SW8270	04/10/90 16:58 JR
Fluoranthene[206-44-0]	ND	0.33	ug/G	SW8270	04/10/90 16:58 JR
Pyrene[129-00-0]	ND	0.33	ug/G	SW8270	04/10/90 16:58 JR
Benzidine[92-87-5]	ND	1.7	ug/G	SW8270	04/10/90 16:58 JR
Butylbenzylphthalate[85-68-7]	ND	0.33	ug/G	SW8270	04/10/90 16:58 JR
E (2-ethylhexyl)phthalate[117-81-7]	ND	0.33	ug/G	SW8270	04/10/90 16:58 JR
Chrysene[218-81-9]	ND	0.33	ug/G	SW8270	04/10/90 16:58 JR
Benz(a)anthracene[56-55-3]	ND	0.33	ug/G	SW8270	04/10/90 16:58 JR
3,3'-Dichlorobenzidine[91-94-1]	ND	0.33	ug/G	SW8270	04/10/90 16:58 JR
Di-n-octylphthalate[117-84-0]	ND	0.33	ug/G	SW8270	04/10/90 16:58 JR
Benzo(b)fluoranthene[205-99-2]	ND	0.33	ug/G	SW8270	04/10/90 16:58 JR
Benzo(k)fluoranthene[207-08-9]	ND	0.33	ug/G	SW8270	04/10/90 16:58 JR
Benzo(a)pyrene[50-32-8]	ND	0.33	ug/G	SW8270	04/10/90 16:58 JR
Indeno(1,2,3-cd)pyrene[193-39-5]	ND	0.67	ug/G	SW8270	04/10/90 16:58 JR
Dibenzo(a,h)anthracene[53-70-3]	ND	0.67	ug/G	SW8270	04/10/90 16:58 JR
Benzo(ghi)perylene[191-24-2]	ND	0.67	ug/G	SW8270	04/10/90 16:58 JR
SURROGATE RECOVERY-BASE/NEUTRAL FRACTION					
Nitrobenzene-d5(SURROGATE)	46	-----	X REC	SW8270	04/10/90 16:58 JR
2-Fluorobiphenyl(SURROGATE)	57	-----	X REC	SW8270	04/10/90 16:58 JR
Terphenyl-d14(SURROGATE)	56	-----	X REC	SW8270	04/10/90 16:58 JR

REF: USEPA; Test Methods For Evaluating Solid Waste; SW-846, 3rd Ed.; Nov, 1986.

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit

AR100334

1256 GREENBRIER STREET, CHARLESTON, WEST VIRGINIA 25311 — TELEPHONE 304 346-0725

4643 BENSON AVENUE, BALTIMORE, MARYLAND 21227 — TELEPHONE 301 247-7400

CINCINNATI, OHIO AREA — TELEPHONE 513-461-3872 OR 606 344-3334



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5624

Respectfully Submitted:

9-4 10:45

Sampled by CLIENT

NITRO SANITATION LANDFILL 3103

Date Received 03/28/90

RC Murphy

Date Sampled 03/27/90

PRIORITY POLLUTANT LIST: VOLATILE ORGANICS
Soil Procedure/Methanol Extraction
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED		
					DATE/TIME/ANALYST		
Chloromethane[74-87-3]	ND	0.63	ug/G	SW8240	04/04/90	20:20	DAA
Bromomethane[74-83-9]	ND	0.63	ug/G	SW8240	04/04/90	20:20	DAA
Vinyl Chloride[75-01-4]	ND	0.63	ug/G	SW8240	04/04/90	20:20	DAA
Chloroethane[75-00-3]	ND	0.63	ug/G	SW8240	04/04/90	20:20	DAA
Methylene Chloride[75-09-2]	ND	0.63	ug/G	SW8240	04/04/90	20:20	DAA
1,1-Dichloroethene[75-35-4]	ND	0.63	ug/G	SW8240	04/04/90	20:20	DAA
1,1-Dichloroethane[75-34-3]	ND	0.63	ug/G	SW8240	04/04/90	20:20	DAA
Trans-1,2-Dichloroethene[156-60-5]	ND	0.63	ug/G	SW8240	04/04/90	20:20	DAA
Chloroform[67-66-3]	ND	0.63	ug/G	SW8240	04/04/90	20:20	DAA
1,1,1-Trichloroethane[107-06-2]	ND	0.63	ug/G	SW8240	04/04/90	20:20	DAA
1,1,1-Trichloroethane	ND	0.63	ug/G	SW8240	04/04/90	20:20	DAA
Carbon Tetrachloride[56-23-5]	ND	0.63	ug/G	SW8240	04/04/90	20:20	DAA
Bromodichloromethane[75-27-4]	ND	0.63	ug/G	SW8240	04/04/90	20:20	DAA
1,2-Dichloropropane[78-87-5]	ND	0.63	ug/G	SW8240	04/04/90	20:20	DAA
trans-1,3-Dichloropropene[10061-02-6]	ND	0.63	ug/G	SW8240	04/04/90	20:20	DAA
cis-1,3-Dichloropropene[10061-01-5]	ND	0.63	ug/G	SW8240	04/04/90	20:20	DAA
Trichloroethane[79-01-6]	ND	0.63	ug/G	SW8240	04/04/90	20:20	DAA
Dibromochloromethane[124-48-1]	ND	0.63	ug/G	SW8240	04/04/90	20:20	DAA
1,1,2-Trichloroethane[79-00-5]	ND	0.63	ug/G	SW8240	04/04/90	20:20	DAA
2-Chloroethylvinylether[110-75-8]	ND	1.3	ug/G	SW8240	04/04/90	20:20	DAA
Bromoform[75-25-2]	ND	0.63	ug/G	SW8240	04/04/90	20:20	DAA
1,1,2,2-Tetrachloroethane[79-34-5]	ND	0.63	ug/G	SW8240	04/04/90	20:20	DAA
Tetrachloroethene[127-18-4]	ND	0.63	ug/G	SW8240	04/04/90	20:20	DAA
Benzene[71-43-2]	ND	0.63	ug/G	SW8240	04/04/90	20:20	DAA
Toluene[108-88-3]	ND	0.63	ug/G	SW8240	04/04/90	20:20	DAA
Ethylbenzene[100-41-4]	ND	0.63	ug/G	SW8240	04/04/90	20:20	DAA
Chlorobenzene[108-90-7]	ND	0.63	ug/G	SW8240	04/04/90	20:20	DAA
Acrylonitrile[107-13-1]	ND	6.3	ug/G	SW8240	04/04/90	20:20	DAA

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit.

Analytical Method: USEPA 8240, SW-846 (Purge/Trap/Desorb or Direct Injection)

* Recovery was greater than the normally accepted value.

AR100338



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5624

Respectfully
Submitted:

S-4 10:45

Sampled by CLIENT

Date Received 03/28/90

NITRO SANITATION LANDFILL 3103

RC Murphy

Date Sampled 03/27/90

PAGE 2

PRIORITY POLLUTANT LIST: VOLATILE ORGANICS
Soil Procedure/Methanol Extraction
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED DATE/TIME/ANALYST
Acrolein[137-92-81] SURROGATE RECOVERY-VOLATILE FRACTION	ND	6.3	ug/G	SW8240	04/04/90 20:20 DAA
1,2-Dichloroethane-d4 (SURROGATE)	106	-----	x REC	SW8240	04/04/90 20:20 DAA
Toluene-d8 (SURROGATE)	111	-----	x REC	SW8240	04/04/90 20:20 DAA
Bromofluorobenzene (SURROGATE)	126	-----	x REC	SW8240	04/04/90 20:20 DAA **

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit.

Analytical Method: USEPA 8240, SW-846 (Purge/Trap/Desorb or Direct Injection)

** Recovery was greater than the normally accepted value.

AR100339



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5625

Respectfully Submitted:

3-5 16:50
NITRO SANITATION LANDFILL 3183

Sampled by CLIENT
Date Received 03/28/90

RCM

Date Sampled 03/27/90

PRIORITY POLLUTANTS: ACID EXTRACTABLES FRACTION
Soil Procedure/Sonication Extraction
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED DATE/TIME/ANALYST
Phenol[108-95-2]	ND	0.33	ug/G	SW8270	04/10/90 17:55 JR
2-Chlorophenol[95-57-8]	ND	0.33	ug/G	SW8270	04/10/90 17:55 JR
3-Nitrophenol[98-75-5]	ND	0.33	ug/G	SW8270	04/10/90 17:55 JR
2,4-Dinitrophenol[105-67-9]	ND	0.33	ug/G	SW8270	04/10/90 17:55 JR
2,4-Dichlorophenol[120-83-2]	ND	0.33	ug/G	SW8270	04/10/90 17:55 JR
4-Chloro-3-methylphenol[59-50-7]	ND	0.33	ug/G	SW8270	04/10/90 17:55 JR
2,4,6-Trichlorophenol[98-06-2]	ND	0.33	ug/G	SW8270	04/10/90 17:55 JR
2,4-Dinitrophenol[51-28-5]	ND	1.7	ug/G	SW8270	04/10/90 17:55 JR
2,4,6-Trinitrophenol[100-02-7]	ND	1.7	ug/G	SW8270	04/10/90 17:55 JR
2-Methyl-4,6-dinitrophenol[534-52-1]	ND	1.7	ug/G	SW8270	04/10/90 17:55 JR
Pentachlorophenol[87-86-5]	ND	1.7	ug/G	SW8270	04/10/90 17:55 JR
SURROGATE RECOVERY-ACID FRACTION					
2-Fluorophenol (SURROGATE)	24	-----	X REC	SW8270	04/10/90 17:55 JR *
Phenol-d6 (SURROGATE)	43	-----	X REC	SW8270	04/10/90 17:55 JR
2,4,6-Tribromophenol (SURROGATE)	17	-----	X REC	SW8270	04/10/90 17:55 JR

Extraction and Analytical Methods: USEPA 8270, SW-846

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit.

* Recovery was lower than the normally accepted value of 26.

AR100340



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5625

Respectfully

3-5 13:30

NITRO SANITATION LANDFILL 3103

Sampled by CLIENT

Date Received 03/28/90

Submitted:

RC Murphy

Date Sampled 03/27/90

PRIORITY POLLUTANTS-EXTRACTABLE ORGANICS
ACID & BASE/NEUTRAL FRACTIONS
Sonication Extraction
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED DATE/TIME/ANALYST
N-Nitrosodimethylamine[62-73-91]	ND	1.7	ug/G	SW8270	04/10/90 17:55 JR
Bis(2-chloroethyl)ether[111-44-4]	ND	0.33	ug/G	SW8270	04/10/90 17:55 JR
1,3-Dichlorobenzene[341-73-1]	ND	0.33	ug/G	SW8270	04/10/90 17:55 JR
1,4-Dichlorobenzene[106-46-7]	ND	0.33	ug/G	SW8270	04/10/90 17:55 JR
1,2-Dichlorobenzene[95-50-1]	ND	0.33	ug/G	SW8270	04/10/90 17:55 JR
Bis(2-chloroisopropyl)ether[39633-32-9]	ND	0.33	ug/G	SW8270	04/10/90 17:55 JR
N-Nitrosodi-n-propylamine[621-64-7]	ND	0.67	ug/G	SW8270	04/10/90 17:55 JR
Nitrobenzene[98-95-3]	ND	0.33	ug/G	SW8270	04/10/90 17:55 JR
1,1-dichloroethane[67-72-1]	ND	0.33	ug/G	SW8270	04/10/90 17:55 JR
Isophorone[78-59-1]	ND	0.33	ug/G	SW8270	04/10/90 17:55 JR
Bis(2-Chloroethoxy)methane[111-91-1]	ND	0.33	ug/G	SW8270	04/10/90 17:55 JR
1,2,4-Trichlorobenzene[120-82-1]	ND	0.33	ug/G	SW8270	04/10/90 17:55 JR
Naphthalene[91-20-3]	ND	0.33	ug/G	SW8270	04/10/90 17:55 JR
Hexachlorobutadiene[37-63-3]	ND	0.33	ug/G	SW8270	04/10/90 17:55 JR
Hexachlorocyclooctadiene[77-47-4]	ND	0.33	ug/G	SW8270	04/10/90 17:55 JR
2-Chloronaphthalene[91-58-7]	ND	0.33	ug/G	SW8270	04/10/90 17:55 JR
Dimethylphthalate[131-11-3]	ND	0.33	ug/G	SW8270	04/10/90 17:55 JR
Acenaphthylene[208-96-8]	ND	0.33	ug/G	SW8270	04/10/90 17:55 JR
Acenaphthene[83-32-9]	ND	0.33	ug/G	SW8270	04/10/90 17:55 JR
2,6-Dinitrotoluene[606-20-2]	ND	0.33	ug/G	SW8270	04/10/90 17:55 JR
2,4-Dinitrotoluene[121-14-2]	ND	0.33	ug/G	SW8270	04/10/90 17:55 JR
Fluorene[86-73-7]	ND	0.33	ug/G	SW8270	04/10/90 17:55 JR
4-Chlorophenylphenylether[7005-72-3]	ND	0.33	ug/G	SW8270	04/10/90 17:55 JR
1,2-Diphenylhydrazine[122-66-7]	ND	0.33	ug/G	SW8270	04/10/90 17:55 JR
Diethylphthalate[84-66-2]	ND	0.33	ug/G	SW8270	04/10/90 17:55 JR
n-Nitrosodiphenylamine[86-30-6]	ND	0.67	ug/G	SW8270	04/10/90 17:55 JR
Hexachlorobenzene[118-74-1]	ND	0.33	ug/G	SW8270	04/10/90 17:55 JR
4-Bromophenylphenylether[181-55-3]	ND	0.33	ug/G	SW8270	04/10/90 17:55 JR
Phenanthrene[85-01-8]	ND	0.33	ug/G	SW8270	04/10/90 17:55 JR

REF: USEPA; Test Methods For Evaluating Solid Waste; SW-846, 3rd Ed. Nov, 1986.

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit

ART00341

1256 GREENBRIER STREET, CHARLESTON, WEST VIRGINIA 25311 — TELEPHONE 304 346-0725

4643 BENSON AVENUE, BALTIMORE, MARYLAND 21227 — TELEPHONE 301 247-7400

CINCINNATI, OHIO AREA — TELEPHONE 513 421-3872 OR 606 344-0084



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5625

Respectfully
Submitted:

3-3 16:50
WTRG SANITATION LANDFILL 3103

Sampled by CLIENT
Date Received 03/23/90

Date Sampled 03/27/90

PAGE 2

PRIORITY POLLUTANTS-EXTRACTABLE ORGANICS
ACID & BASE/NEUTRAL FRACTIONS
Sonication Extraction
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED DATE/TIME/ANALYST
Anthracene[150-12-7]	ND	0.33	ug/G	SW8270	04/10/90 17:55 JR
Di-n-butylphthalate[34-74-2]	ND	0.33	ug/G	SW8270	04/10/90 17:55 JR
Fluoranthene[206-44-0]	ND	0.33	ug/G	SW8270	04/10/90 17:55 JR
Pyrene[129-00-0]	ND	0.33	ug/G	SW8270	04/10/90 17:55 JR
Benzidine[92-87-5]	ND	1.7	ug/G	SW8270	04/10/90 17:55 JR
Butylbenzylphthalate[25-68-7]	ND	0.33	ug/G	SW8270	04/10/90 17:55 JR
(2-ethylhexyl)phthalate[117-81-7]	ND	0.33	ug/G	SW8270	04/10/90 17:55 JR
Chrysene[218-01-9]	ND	0.33	ug/G	SW8270	04/10/90 17:55 JR
Benzo(a)anthracene[56-55-3]	ND	0.33	ug/G	SW8270	04/10/90 17:55 JR
2,3'-Dichlorobenzidine[91-94-1]	ND	0.33	ug/G	SW8270	04/10/90 17:55 JR
Di-n-octylphthalate[117-84-0]	ND	0.33	ug/G	SW8270	04/10/90 17:55 JR
Benzo(b)fluoranthene[205-99-2]	ND	0.33	ug/G	SW8270	04/10/90 17:55 JR
Benzo(k)fluoranthene[207-98-9]	ND	0.33	ug/G	SW8270	04/10/90 17:55 JR
Benzo(a)pyrene[50-32-3]	ND	0.33	ug/G	SW8270	04/10/90 17:55 JR
Indeno(1,2,3-cd)pyrene[193-39-5]	ND	0.67	ug/G	SW8270	04/10/90 17:55 JR
Dibenzo(a,h)anthracene[53-79-3]	ND	0.67	ug/G	SW8270	04/10/90 17:55 JR
Benzo(ghi)perylene[191-24-2]	ND	0.67	ug/G	SW8270	04/10/90 17:55 JR
SURROGATE RECOVERY-BASE/NEUTRAL FRACTION					
Nitrobenzene-d5 (SURROGATE)	45	-----	X REC	SW8270	04/10/90 17:55 JR
2-Fluorobiphenyl (SURROGATE)	55	-----	X REC	SW8270	04/10/90 17:55 JR
Terphenyl-d14 (SURROGATE)	56	-----	X REC	SW8270	04/10/90 17:55 JR

REF: USEPA; Test Methods For Evaluating Solid Waste; SW-846, 3rd Ed.; Nov, 1986.

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit.

AR100342

1256 GREENBRIER STREET, CHARLESTON, WEST VIRGINIA 25311 — TELEPHONE 304 348-0725

4643 BENSON AVENUE, BALTIMORE, MARYLAND 21227 — TELEPHONE 301 247-7400

CINCINNATI, OHIO AREA — TELEPHONE 513 421-3872 OR 606 344-0084



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5625

Respectfully Submitted:

3-5 16:50

NITRO SANITATION LANDFILL 3103

Sampled by CLIENT

Date Received 03/28/90

RC Murphy

Date Sampled 03/27/90

PRIORITY POLLUTANT LIST: VOLATILE ORGANICS
Soil Procedure/Methanol Extraction
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED DATE/TIME/ANALYST
Chloromethane[74-87-3]	ND	0.63	ug/G	SW8240	04/04/90 21:04 DAA
Bromomethane[74-83-9]	ND	0.63	ug/G	SW8240	04/04/90 21:04 DAA
Vinyl Chloride[75-01-4]	ND	0.63	ug/G	SW8240	04/04/90 21:04 DAA
Chloroethane[75-00-3]	ND	0.63	ug/G	SW8240	04/04/90 21:04 DAA
Ethylene Chloride[75-09-2]	ND	0.63	ug/G	SW8240	04/04/90 21:04 DAA
1,1-Dichloroethene[75-35-4]	ND	0.63	ug/G	SW8240	04/04/90 21:04 DAA
1,1-Dichloroethane[75-34-3]	ND	0.63	ug/G	SW8240	04/04/90 21:04 DAA
Trans-1,2-Dichloroethene[156-60-5]	ND	0.63	ug/G	SW8240	04/04/90 21:04 DAA
Chloroform[67-66-3]	ND	0.63	ug/G	SW8240	04/04/90 21:04 DAA
1,2-Dichloroethane[107-06-2]	ND	0.63	ug/G	SW8240	04/04/90 21:04 DAA
1,1,1-Trichloroethane	ND	0.63	ug/G	SW8240	04/04/90 21:04 DAA
Carbon Tetrachloride[56-23-5]	ND	0.63	ug/G	SW8240	04/04/90 21:04 DAA
Bromodichloromethane[75-27-4]	ND	0.63	ug/G	SW8240	04/04/90 21:04 DAA
1,2-Dichloropropane[78-87-5]	ND	0.63	ug/G	SW8240	04/04/90 21:04 DAA
trans-1,3-Dichloropropene[10061-02-6]	ND	0.63	ug/G	SW8240	04/04/90 21:04 DAA
cis-1,3-Dichloropropene[10061-01-3]	ND	0.63	ug/G	SW8240	04/04/90 21:04 DAA
Trichloroethane[79-01-6]	ND	0.63	ug/G	SW8240	04/04/90 21:04 DAA
Dibromochloromethane[124-43-1]	ND	0.63	ug/G	SW8240	04/04/90 21:04 DAA
1,1,2-Trichloroethane[79-00-5]	ND	0.63	ug/G	SW8240	04/04/90 21:04 DAA
2-Chloroethylvinylether[110-75-8]	ND	1.3	ug/G	SW8240	04/04/90 21:04 DAA
Bromoform[75-25-2]	ND	0.63	ug/G	SW8240	04/04/90 21:04 DAA
1,1,2,2-Tetrachloroethane[79-34-5]	ND	0.63	ug/G	SW8240	04/04/90 21:04 DAA
Tetrachloroethane[127-18-4]	ND	0.63	ug/G	SW8240	04/04/90 21:04 DAA
Benzene[71-43-2]	ND	0.63	ug/G	SW8240	04/04/90 21:04 DAA
Toluene[108-88-3]	ND	0.63	ug/G	SW8240	04/04/90 21:04 DAA
Ethylbenzene[100-41-4]	ND	0.63	ug/G	SW8240	04/04/90 21:04 DAA
Chlorobenzene[108-90-7]	ND	0.63	ug/G	SW8240	04/04/90 21:04 DAA
Acrylonitrile[107-13-1]	ND	6.3	ug/G	SW8240	04/04/90 21:04 DAA
Acrolein[107-02-8]	ND	6.3	ug/G	SW8240	04/04/90 21:04 DAA
SURROGATE RECOVERY-VOLATILE FRACTION					

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit.

Analytical Method: USEPA 8240, SW-846 (Purge/Trap/Desorb or Direct Injection)

ARI00343

1256 GREENBRIER STREET, CHARLESTON, WEST VIRGINIA 25311 — TELEPHONE 304 348-0725

4643 BENSON AVENUE, BALTIMORE, MARYLAND 21227 — TELEPHONE 301 247-7400

2000 CINCINNATI, OHIO AREA — TELEPHONE 513 421-3872 OR 606 344-0084



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5625

Respectfully
Submitted:

3-3 16:50
NITRO SANITATION LANDFILL 3103

Sampled by CLIENT
Date Received 03/28/90

RC Murphy

Date Sampled 03/27/90

PAGE 2

PRIORITY POLLUTANT LIST: VOLATILE ORGANICS
Soil Procedure/Methanol Extraction
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED DATE/TIME/ANALYST
1,2-Dichloroethane-d4 (SURROGATE)	100	-----	% REC	SW8240	04/04/90 21:04 DAA
Toluene-d8 (SURROGATE)	103	-----	% REC	SW8240	04/04/90 21:04 DAA
Bromofluorobenzene (SURROGATE)	121	-----	% REC	SW8240	04/04/90 21:04 DAA

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit.

Analytical Method: USEPA 8240, SW-846 (Purge/Trap/Desorb or Direct Injection)

AR100344

1256 GREENBRIER STREET, CHARLESTON, WEST VIRGINIA 25311 — TELEPHONE 304 348-0725

4843 BENSON AVENUE, BALTIMORE, MARYLAND 21227 — TELEPHONE 301 247-7400

CINCINNATI, OHIO AREA — TELEPHONE 513 421-3872 OR 606 344-0084



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5626

Respectfully
Submitted:

3-6 17:20
NITRO SANITATION LANDFILL 3103

Sampled by CLIENT
Date Received 03/28/90

RC Murphy

Date Sampled 03/27/90

PRIORITY POLLUTANTS: ACID EXTRACTABLES FRACTION
Soil Procedure/Sonication Extraction
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED DATE/TIME/ANALYST
Phenol[108-95-2]	ND	9.33	ug/G	SW8270	04/10/90 18:49 JR
2-Chlorophenol[95-37-3]	ND	3.33	ug/G	SW8270	04/10/90 18:49 JR
2-Nitrophenol[88-71-1]	ND	3.33	ug/G	SW8270	04/10/90 18:49 JR
2,4-Dimethylphenol[105-67-9]	ND	3.33	ug/G	SW8270	04/10/90 18:49 JR
2,4-Dichlorophenol[120-83-2]	ND	0.33	ug/G	SW8270	04/10/90 18:49 JR
2-Chloro-3-methylphenol[59-50-7]	ND	0.33	ug/G	SW8270	04/10/90 18:49 JR
2,4,6-Trichlorophenol[88-06-2]	ND	0.33	ug/G	SW8270	04/10/90 18:49 JR
2,4-Dinitrophenol[51-28-5]	ND	1.7	ug/G	SW8270	04/10/90 18:49 JR
4-Nitrophenol[100-02-7]	ND	1.7	ug/G	SW8270	04/10/90 18:49 JR
2-Methyl-4,6-dinitrophenol[534-52-1]	ND	1.7	ug/G	SW8270	04/10/90 18:49 JR
Pentachlorophenol[87-86-5]	ND	1.7	ug/G	SW8270	04/10/90 18:49 JR
SURROGATE RECOVERY-ACID FRACTION					
2-Fluorophenol(SURROGATE)	30	-----	X REC	SW8270	04/10/90 18:49 JR
Phenol[108-95-2](SURROGATE)	46	-----	X REC	SW8270	04/10/90 18:49 JR
2,4,6-Tribromophenol(SURROGATE)	33	-----	X REC	SW8270	04/10/90 18:49 JR

Extraction and Analytical Methods: USEPA 8270, SW-846

ND: Not detected at a concentration greater than or equal to the MDL - 1

RI00345



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5626

Respectfully
Submitted:

3-6 17:20

NITRO SANITATION LANDFILL 3103

Sampled by CLIENT

Date Received 03/28/90

RC Murphy

Date Sampled 03/27/90

PRIORITY POLLUTANTS-EXTRACTABLE ORGANICS
ACID & BASE/NEUTRAL FRACTIONS
Sonication Extraction
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED DATE/TIME/ANALYST
n-Nitrosodimethylamine[62-73-9]	ND	1.7	ug/G	SW8270	04/10/90 18:49 JR
Bis(2-chloroethyl) ether[111-44-4]	ND	0.33	ug/G	SW8270	04/10/90 18:49 JR
1,3-Dichlorobenzene[541-73-1]	ND	0.33	ug/G	SW8270	04/10/90 18:49 JR
1,4-Dichlorobenzene[106-46-7]	ND	0.33	ug/G	SW8270	04/10/90 18:49 JR
1,2-Dichlorobenzene[95-50-1]	ND	0.33	ug/G	SW8270	04/10/90 18:49 JR
Bis(2-chloroisopropyl) ether[39633-32-9]	ND	0.33	ug/G	SW8270	04/10/90 18:49 JR
m-Nitrosodi-n-propylamine[621-64-7]	ND	0.67	ug/G	SW8270	04/10/90 18:49 JR
o-benzene[98-95-3]	ND	0.33	ug/G	SW8270	04/10/90 18:49 JR
Hexachloroethane[67-73-1]	ND	0.33	ug/G	SW8270	04/10/90 18:49 JR
Isophorone[73-59-1]	ND	0.33	ug/G	SW8270	04/10/90 18:49 JR
Bis(2-Chloroethoxy)methane[111-91-1]	ND	0.33	ug/G	SW8270	04/10/90 18:49 JR
1,2,4-Trichlorobenzene[128-82-1]	ND	0.33	ug/G	SW8270	04/10/90 18:49 JR
Naphthalene[91-20-3]	ND	0.33	ug/G	SW8270	04/10/90 18:49 JR
Hexachlorocyclopentadiene[37-68-3]	ND	0.33	ug/G	SW8270	04/10/90 18:49 JR
Hexachlorocyclopentadiene[77-47-4]	ND	0.33	ug/G	SW8270	04/10/90 18:49 JR
2-Chloronaphthalene[91-58-7]	ND	0.33	ug/G	SW8270	04/10/90 18:49 JR
Dimethylphthalate[131-11-3]	ND	0.33	ug/G	SW8270	04/10/90 18:49 JR
Acenaphthylene[208-96-8]	ND	0.33	ug/G	SW8270	04/10/90 18:49 JR
Acenaphthene[83-32-9]	ND	0.33	ug/G	SW8270	04/10/90 18:49 JR
2,6-Dinitrotoluene[606-20-2]	ND	0.33	ug/G	SW8270	04/10/90 18:49 JR
2,4-Dinitrotoluene[121-14-2]	ND	0.33	ug/G	SW8270	04/10/90 18:49 JR
Fluorene[86-73-7]	ND	0.33	ug/G	SW8270	04/10/90 18:49 JR
4-Chlorophenylphenylether[7895-72-3]	ND	0.33	ug/G	SW8270	04/10/90 18:49 JR
1,2-Diphenylhydrazine[122-66-7]	ND	0.33	ug/G	SW8270	04/10/90 18:49 JR
Diallylphthalate[84-66-2]	ND	0.33	ug/G	SW8270	04/10/90 18:49 JR
n-Nitrosodiphenylamine[36-38-6]	ND	0.67	ug/G	SW8270	04/10/90 18:49 JR
Hexachlorobenzene[118-74-1]	ND	0.33	ug/G	SW8270	04/10/90 18:49 JR
4-Bromophenylphenylether[101-55-3]	ND	0.33	ug/G	SW8270	04/10/90 18:49 JR
Phenanthrene[85-01-8]	ND	0.33	ug/G	SW8270	04/10/90 18:49 JR

REF: USEPA; Test Methods For Evaluating Solid Waste; SW-846, 3rd Ed.; Nov, 1986.

ARI00346

Not detected at a concentration greater than or equal to the MDL - Method Detection Limit



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5626

Respectfully
Submitted:

3-6 17:20
NITRO SANITATION LANDFILL 3103

Sampled by CLIENT
Date Received 03/28/90

Date Sampled 03/27/90

PAGE 2

PRIORITY POLLUTANTS-EXTRACTABLE ORGANICS
ACID & BASE/NEUTRAL FRACTIONS
Sonication Extraction
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED DATE/TIME/ANALYST
Anthracene[120-12-71]	ND	0.33	ug/G	SW8270	04/10/90 13:49 JR
Di-n-butylphthalate[84-74-2]	ND	0.33	ug/G	SW8270	04/10/90 13:49 JR
Fluoranthene[206-44-01]	ND	0.33	ug/G	SW8270	04/10/90 13:49 JR
Pyrene[129-00-01]	ND	0.33	ug/G	SW8270	04/10/90 13:49 JR
Benzydine[92-67-5]	ND	1.7	ug/G	SW8270	04/10/90 13:49 JR
Butylbenzylphthalate[85-68-7]	ND	0.33	ug/G	SW8270	04/10/90 13:49 JR
(2-ethylhexyl) phthalate[117-01-7]	1.9	0.33	ug/G	SW8270	04/10/90 13:49 JR
Chrysene[218-01-9]	ND	0.33	ug/G	SW8270	04/10/90 13:49 JR
Benz(a)anthracene[56-55-3]	ND	0.33	ug/G	SW8270	04/10/90 13:49 JR
3,3'-Dichlorobenzidine[91-94-1]	ND	0.33	ug/G	SW8270	04/10/90 13:49 JR
Di-n-octylphthalate[117-84-0]	ND	0.33	ug/G	SW8270	04/10/90 13:49 JR
Benzo(b)fluoranthene[205-99-2]	ND	0.33	ug/G	SW8270	04/10/90 13:49 JR
Benzo(k)fluoranthene[207-08-9]	ND	0.33	ug/G	SW8270	04/10/90 13:49 JR
Benzo(a)pyrene[50-32-8]	ND	0.33	ug/G	SW8270	04/10/90 13:49 JR
Indeno(1,2,3-cd)pyrene[193-39-5]	ND	0.67	ug/G	SW8270	04/10/90 13:49 JR
Dibenzo(a,h)anthracene[53-78-3]	ND	0.67	ug/G	SW8270	04/10/90 13:49 JR
Benzo(ghi)perylene[191-24-2]	ND	0.67	ug/G	SW8270	04/10/90 13:49 JR
SURROGATE RECOVERY-BASE/NEUTRAL FRACTION					
Nitrobenzene-d5(SURROGATE)	33	-----	X REC	SW8270	04/10/90 13:49 JR
2-Fluorobiphenyl(SURROGATE)	44	-----	X REC	SW8270	04/10/90 13:49 JR
Terphenyl-d14(SURROGATE)	61	-----	X REC	SW8270	04/10/90 13:49 JR

REF: USEPA; Test Methods For Evaluating Solid Waste; SW-846, 3rd Ed.; Nov, 1986.

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit.

AR100347



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5626

Respectfully Submitted:

S-6 17:20

NITRO SANITATION LANDFILL 3103

Sampled by CLIENT

Date Received 03/28/90

RCM

Date Sampled 03/27/90

PRIORITY POLLUTANT LIST: VOLATILE ORGANICS
Soil Procedure/Methanol Extraction
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED		
					DATE/TIME/ANALYST		
Chloromethane[74-87-3]	ND	0.63	ug/G	SW8240	04/04/90	21:48	DAA
Bromomethane[74-83-9]	ND	0.63	ug/G	SW8240	04/04/90	21:48	DAA
Vinyl Chloride[75-01-4]	ND	0.63	ug/G	SW8240	04/04/90	21:48	DAA
Chloroethane[75-00-3]	ND	0.63	ug/G	SW8240	04/04/90	21:48	DAA
Methylene Chloride[75-09-2]	ND	0.63	ug/G	SW8240	04/04/90	21:48	DAA
1,1-Dichloroethene[75-35-4]	ND	0.63	ug/G	SW8240	04/04/90	21:48	DAA
1,1-Dichloroethane[75-34-3]	ND	0.63	ug/G	SW8240	04/04/90	21:48	DAA
trans-1,2-Dichloroethene[156-60-5]	ND	0.63	ug/G	SW8240	04/04/90	21:48	DAA
Chloroform[67-66-3]	ND	0.63	ug/G	SW8240	04/04/90	21:48	DAA
1,1,1-Dichloroethane[107-06-2]	ND	0.63	ug/G	SW8240	04/04/90	21:48	DAA
1,1,1-Trichloroethane	ND	0.63	ug/G	SW8240	04/04/90	21:48	DAA
Carbon Tetrachloride[56-23-5]	ND	0.63	ug/G	SW8240	04/04/90	21:48	DAA
Bromodichloromethane[75-27-4]	ND	0.63	ug/G	SW8240	04/04/90	21:48	DAA
1,2-Dichloropropane[78-87-5]	ND	0.63	ug/G	SW8240	04/04/90	21:48	DAA
trans-1,3-Dichloropropene[10061-02-6]	ND	0.63	ug/G	SW8240	04/04/90	21:48	DAA
cis-1,3-Dichloropropene[10061-01-5]	ND	0.63	ug/G	SW8240	04/04/90	21:48	DAA
Trichloroethene[79-01-6]	ND	0.63	ug/G	SW8240	04/04/90	21:48	DAA
Dibromochloromethane[124-48-1]	ND	0.63	ug/G	SW8240	04/04/90	21:48	DAA
1,1,2-Trichloroethane[79-00-5]	ND	0.63	ug/G	SW8240	04/04/90	21:48	DAA
2-Chloroethylvinylether[110-75-8]	ND	1.3	ug/G	SW8240	04/04/90	21:48	DAA
Bromoform[75-25-2]	ND	0.63	ug/G	SW8240	04/04/90	21:48	DAA
1,1,2,2-Tetrachloroethane[79-34-5]	ND	0.63	ug/G	SW8240	04/04/90	21:48	DAA
Tetrachloroethene[127-18-4]	ND	0.63	ug/G	SW8240	04/04/90	21:48	DAA
Benzene[71-43-2]	ND	0.63	ug/G	SW8240	04/04/90	21:48	DAA
Toluene[108-88-3]	ND	0.63	ug/G	SW8240	04/04/90	21:48	DAA
Ethylbenzene[100-41-4]	ND	0.63	ug/G	SW8240	04/04/90	21:48	DAA
Chlorobenzene[108-90-7]	ND	0.63	ug/G	SW8240	04/04/90	21:48	DAA
Acrylonitrile[107-13-1]	ND	6.3	ug/G	SW8240	04/04/90	21:48	DAA

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit.

Analytical Method: USEPA 8240, SW-846 (Purge/Trap/Desorb or Direct Injection)

Recovery was greater than the normally accepted value.

AR100348



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5626

Respectfully
Submitted:

S-6 17:20
NITRO SANITATION LANDFILL 3103

Sampled by CLIENT
Date Received 03/28/90

Date Sampled 03/27/90

PAGE

PRIORITY POLLUTANT LIST: VOLATILE ORGANICS
Soil Procedure/Methanol Extraction
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED DATE/TIME/ANALYST
Acrolein(107-02-81) SURROGATE RECOVERY-VOLATILE FRACTION	ND	6.3	ug/G	SW8240	04/04/90 21:48 DAA
1,2-Dichloroethane-d4(SURROGATE)	115	-----	% REC	SW8240	04/04/90 21:48 DAA
Toluene-d8(SURROGATE)	114	-----	% REC	SW8240	04/04/90 21:48 DAA
Bromofluorobenzene(SURROGATE)	127	-----	% REC	SW8240	04/04/90 21:48 DAA *

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit.

Analytical Method: USEPA 8240, SW-846 (Purge/Trap/Desorb or Direct Injection)

** Recovery was greater than the normally accepted value.

AR100349



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5627

Respectfully Submitted:

3-7 17:50

Sampled by CLIENT

Date Received 03/28/90

NITRO SANITATION LANDFILL 3103

RCM

Date Sampled 03/27/90

PRIORITY POLLUTANTS: ACID EXTRACTABLES FRACTION
Soil Procedure/Sonication Extraction
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED DATE/TIME/ANALYST
Phenol[198-95-2]	ND	0.76	ug/G	SW8270	04/17/90 15:16 JR
1-Chlorophenol[95-57-8]	ND	0.76	ug/G	SW8270	04/17/90 15:16 JR
2-Nitrophenol[88-75-5]	ND	0.76	ug/G	SW8270	04/17/90 15:16 JR
2,4-Dimethylphenol[105-67-9]	ND	0.76	ug/G	SW8270	04/17/90 15:16 JR
2,4-Dichlorophenol[120-83-2]	ND	0.76	ug/G	SW8270	04/17/90 15:16 JR
4-Chloro-3-methylphenol[59-50-7]	ND	0.76	ug/G	SW8270	04/17/90 15:16 JR
2,4,6-Trichlorophenol[88-06-2]	ND	0.76	ug/G	SW8270	04/17/90 15:16 JR
2,4-Dinitrophenol[51-28-5]	ND	3.9	ug/G	SW8270	04/17/90 15:16 JR
4-Nitrophenol[100-02-7]	ND	3.9	ug/G	SW8270	04/17/90 15:16 JR
2-Methyl-4,6-dinitrophenol[534-52-1]	ND	3.9	ug/G	SW8270	04/17/90 15:16 JR
Pentachlorophenol[87-86-5]	ND	3.9	ug/G	SW8270	04/17/90 15:16 JR
SURROGATE RECOVERY-ACID FRACTION					
2-Fluorophenol (SURROGATE)	52	-----	x REC	SW8270	04/17/90 15:16 JR
Phenol-d6 (SURROGATE)	60	-----	x REC	SW8270	04/17/90 15:16 JR
2,4,6-Tribromophenol (SURROGATE)	86	-----	x REC	SW8270	04/17/90 15:16 JR

Extraction and Analytical Methods: USEPA 8270, SW-846

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit.

ARI00350



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5627

Respectfully Submitted:

3-7 17:50

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NITRO SANITATION LANDFILL 3103

Date Received 03/28/90

RCM

Date Sampled 03/27/90

PRIORITY POLLUTANTS-EXTRACTABLE ORGANICS
ACID & BASE/NEUTRAL FRACTIONS
Sonication Extraction
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED DATE/TIME/ANALYST
4-Nitrosodimethylamine[62-75-3]	ND	3.9	ug/G	SW8270	04/17/90 15:16 JR
Bis(2-chloroethyl) ether[111-44-4]	ND	0.76	ug/G	SW8270	04/17/90 15:16 JR
1,3-Dichlorobenzene[541-73-1]	ND	0.76	ug/G	SW8270	04/17/90 15:16 JR
1,4-Dichlorobenzene[106-46-7]	ND	0.76	ug/G	SW8270	04/17/90 15:16 JR
1,2-Dichlorobenzene[95-50-1]	ND	0.76	ug/G	SW8270	04/17/90 15:16 JR
Bis(2-chloroisopropyl) ether[39638-32-9]	ND	0.76	ug/G	SW8270	04/17/90 15:16 JR
N-Nitrosodi-n-propylamine[621-64-7]	ND	1.5	ug/G	SW8270	04/17/90 15:16 JR
Nitrobenzene[98-95-3]	ND	1.5	ug/G	SW8270	04/17/90 15:16 JR
Hexachloroethane[67-72-1]	ND	1.5	ug/G	SW8270	04/17/90 15:16 JR
Isophorone[78-59-1]	ND	1.5	ug/G	SW8270	04/17/90 15:16 JR
Bis(2-Chloroethoxy)methane[111-91-1]	ND	1.5	ug/G	SW8270	04/17/90 15:16 JR
1,2,4-Trichlorobenzene[120-82-1]	ND	1.5	ug/G	SW8270	04/17/90 15:16 JR
Naphthalene[91-20-3]	ND	1.5	ug/G	SW8270	04/17/90 15:16 JR
Hexachlorobutadiene[87-68-3]	ND	1.5	ug/G	SW8270	04/17/90 15:16 JR
Hexachlorocyclopentadiene[77-47-4]	ND	1.5	ug/G	SW8270	04/17/90 15:16 JR
2-Chloronaphthalene[91-58-7]	ND	1.5	ug/G	SW8270	04/17/90 15:16 JR
Dimethylphthalate[131-11-3]	ND	1.5	ug/G	SW8270	04/17/90 15:16 JR
Acenaphthylene[208-96-8]	ND	1.5	ug/G	SW8270	04/17/90 15:16 JR
Acenaphthene[83-32-9]	ND	1.5	ug/G	SW8270	04/17/90 15:16 JR
2,6-Dinitrotoluene[606-20-2]	ND	1.5	ug/G	SW8270	04/17/90 15:16 JR
2,4-Dinitrotoluene[121-14-2]	ND	1.5	ug/G	SW8270	04/17/90 15:16 JR
Fluorene[86-73-7]	ND	1.5	ug/G	SW8270	04/17/90 15:16 JR
4-Chlorophenylphenylether[7005-72-3]	ND	1.5	ug/G	SW8270	04/17/90 15:16 JR
1,2-Diphenylhydrazine[122-66-7]	ND	1.5	ug/G	SW8270	04/17/90 15:16 JR
Diethylphthalate[84-66-2]	ND	1.5	ug/G	SW8270	04/17/90 15:16 JR
n-Nitrosodiphenylamine[86-30-6]	ND	1.5	ug/G	SW8270	04/17/90 15:16 JR
Hexachlorobenzene[118-74-1]	ND	0.76	ug/G	SW8270	04/17/90 15:16 JR
4-Bromophenylphenylether[101-55-3]	ND	0.76	ug/G	SW8270	04/17/90 15:16 JR
Phenanthrene[85-01-8]	ND	0.76	ug/G	SW8270	04/17/90 15:16 JR

REF: USEPA; Test Methods For Evaluating Solid Waste; SW-846, 3rd Ed.; Nov, 1986.

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit

AR100351



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5627

Respectfully
Submitted:

5-7 17:50

Sampled by CLIENT

Date Received 03/28/90

NITRO SANITATION LANDFILL 3103

RCM

Date Sampled 03/27/90

PAGE

PRIORITY POLLUTANTS-EXTRACTABLE ORGANICS
ACID & BASE/NEUTRAL FRACTIONS
Sonication Extraction
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED DATE/TIME/ANALYST
Anthracene[120-12-7]	ND	0.76	ug/G	SW8270	04/17/90 15:16 JR
Di-n-butylphthalate[84-74-2]	ND	0.76	ug/G	SW8270	04/17/90 15:16 JR
Fluoranthene[206-44-0]	ND	0.76	ug/G	SW8270	04/17/90 15:16 JR
Pyrene[129-00-0]	ND	0.76	ug/G	SW8270	04/17/90 15:16 JR
Benzidine[92-87-5]	ND	3.9	ug/G	SW8270	04/17/90 15:16 JR
Butylbenzylphthalate[85-68-7]	ND	0.76	ug/G	SW8270	04/17/90 15:16 JR
(2-ethylhexyl)phthalate[117-81-7]	1.1	0.76	ug/G	SW8270	04/17/90 15:16 JR
Chrysene[218-01-9]	ND	0.76	ug/G	SW8270	04/17/90 15:16 JR
Benz(a)anthracene[56-55-3]	ND	0.76	ug/G	SW8270	04/17/90 15:16 JR
3,3'-Dichlorobenzidine[91-94-1]	ND	0.76	ug/G	SW8270	04/17/90 15:16 JR
Di-n-octylphthalate[117-84-0]	ND	0.76	ug/G	SW8270	04/17/90 15:16 JR
Benzo(b)fluoranthene[205-99-2]	ND	0.76	ug/G	SW8270	04/17/90 15:16 JR
Benzo(k)fluoranthene[207-08-9]	ND	0.76	ug/G	SW8270	04/17/90 15:16 JR
Benzo(a)pyrene[50-32-8]	ND	0.76	ug/G	SW8270	04/17/90 15:16 JR
Indeno(1,2,3-cd)pyrene[193-39-5]	ND	1.5	ug/G	SW8270	04/17/90 15:16 JR
Dibenzo(a,h)anthracene[53-70-3]	ND	1.5	ug/G	SW8270	04/17/90 15:16 JR
Benzo(ghi)perylene[191-24-2]	ND	1.5	ug/G	SW8270	04/17/90 15:16 JR
SURROGATE RECOVERY-BASE/NEUTRAL FRACTION					
Nitrobenzene-d5(SURROGATE)	44	-----	X REC	SW8270	04/17/90 15:16 JR
2-Fluorobiphenyl(SURROGATE)	69	-----	X REC	SW8270	04/17/90 15:16 JR
Terphenyl-d14(SURROGATE)	76	-----	X REC	SW8270	04/17/90 15:16 JR

REF: USEPA; Test Methods For Evaluating Solid Waste; SW-846, 3rd Ed.; Nov, 1986.

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit.

AR100352



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5627

Respectfully
Submitted:

5-7 17:58

NITRO SANITATION LANDFILL 3103

Sampled by CLIENT

Date Received 03/28/90

Date Sampled 03/27/90

PRIORITY POLLUTANT LIST: VOLATILE ORGANICS
Soil Procedure/Methanol Extraction
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED DATE/TIME/ANALYST
Chloromethane[74-87-3]	ND	0.63	ug/G	SW8240	04/04/90 22:32 DAA
Bromomethane[74-83-9]	ND	0.63	ug/G	SW8240	04/04/90 22:32 DAA
Vinyl Chloride[75-01-4]	ND	0.63	ug/G	SW8240	04/04/90 22:32 DAA
Chloroethane[75-00-3]	ND	0.63	ug/G	SW8240	04/04/90 22:32 DAA
Ethylene Chloride[75-09-2]	ND	0.63	ug/G	SW8240	04/04/90 22:32 DAA
1,1-Dichloroethene[75-35-4]	ND	0.63	ug/G	SW8240	04/04/90 22:32 DAA
1,1-Dichloroethane[75-34-3]	ND	0.63	ug/G	SW8240	04/04/90 22:32 DAA
Trans-1,2-Dichloroethene[155-60-5]	ND	0.63	ug/G	SW8240	04/04/90 22:32 DAA
Chloroform[67-66-3]	ND	0.63	ug/G	SW8240	04/04/90 22:32 DAA
1,2-Dichloroethane[107-06-2]	ND	0.63	ug/G	SW8240	04/04/90 22:32 DAA
1,1,1-Trichloroethane	ND	0.63	ug/G	SW8240	04/04/90 22:32 DAA
Carbon Tetrachloride[56-23-5]	ND	0.63	ug/G	SW8240	04/04/90 22:32 DAA
Bromochloromethane[75-27-4]	ND	0.63	ug/G	SW8240	04/04/90 22:32 DAA
1,2-Dichloropropane[78-87-5]	ND	0.63	ug/G	SW8240	04/04/90 22:32 DAA
Trans-1,3-Dichloropropene[10061-02-6]	ND	0.63	ug/G	SW8240	04/04/90 22:32 DAA
Cis-1,3-Dichloropropene[10061-01-5]	ND	0.63	ug/G	SW8240	04/04/90 22:32 DAA
Trichloroethene[79-01-6]	ND	0.63	ug/G	SW8240	04/04/90 22:32 DAA
Dibromochloromethane[124-48-1]	ND	0.63	ug/G	SW8240	04/04/90 22:32 DAA
1,1,2-Trichloroethane[79-00-5]	ND	0.63	ug/G	SW8240	04/04/90 22:32 DAA
2-Chloroethylvinylether[110-75-8]	ND	1.3	ug/G	SW8240	04/04/90 22:32 DAA
Bromoform[75-25-2]	ND	0.63	ug/G	SW8240	04/04/90 22:32 DAA
1,1,2,2-Tetrachloroethane[79-34-5]	ND	0.63	ug/G	SW8240	04/04/90 22:32 DAA
Tetrachloroethene[127-18-4]	ND	0.63	ug/G	SW8240	04/04/90 22:32 DAA
Benzene[71-43-2]	ND	0.63	ug/G	SW8240	04/04/90 22:32 DAA
Toluene[108-88-3]	ND	0.63	ug/G	SW8240	04/04/90 22:32 DAA
Ethylbenzene[100-41-4]	ND	0.63	ug/G	SW8240	04/04/90 22:32 DAA
Chlorobenzene[108-90-7]	ND	0.63	ug/G	SW8240	04/04/90 22:32 DAA
Acrylonitrile[107-13-1]	ND	6.3	ug/G	SW8240	04/04/90 22:32 DAA
Acrolein[107-02-8]	ND	6.3	ug/G	SW8240	04/04/90 22:32 DAA

SURROGATE RECOVERY-VOLATILE FRACTION

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit.

Analytical Methods: USEPA 8240, SW-846 (Purge/Trap/Desorb or Direct Injection)

AR100353

1256 GREENBRIER STREET, CHARLESTON, WEST VIRGINIA 25311 — TELEPHONE 304 348-0725

4643 BENSON AVENUE, BALTIMORE, MARYLAND 21227 — TELEPHONE 301 247-7400

CINCINNATI, OHIO AREA — TELEPHONE 513 421-3872 OR 608 344-0084



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5627

Respectfully
Submitted:

3-7 17:50

NITRO SANITATION LANDFILL 3103

Sampled by CLIENT

Date Received 03/28/90

RCM

Date Sampled 03/27/90

PAGE

PRIORITY POLLUTANT LIST: VOLATILE ORGANICS
Soil Procedure/Methanol Extraction
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED DATE/TIME/ANALYST
1,2-Dichloroethane-d4 (SURROGATE)	102	-----	X REC	SW8240	04/04/90 22:32 DAA
Toluene-d8 (SURROGATE)	104	-----	X REC	SW8240	04/04/90 22:32 DAA
Bromofluorobenzene (SURROGATE)	119	-----	X REC	SW8240	04/04/90 22:32 DAA

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit.

Analytical Method: USEPA 8240, SW-846 (Purge/Trap/Desorb or Direct Injection)

AR100354



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5628

Respectfully
Submitted:

B-8 16:15
NITRO SANITATION LANDFILL 3103

Sampled by CLIENT
Date Received 03/28/90

Date Sampled 03/27/90

Dilution Factor 10

PRIORITY POLLUTANTS: ACID EXTRACTABLES FRACTION
Soil Procedure/Sonication Extraction
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED DATE/TIME/ANALYST
Phenol[138-95-2]	ND	3.3	ug/G	SW8270	04/17/90 19:54 JR
2-Chlorophenol[95-57-8]	ND	3.3	ug/G	SW8270	04/17/90 19:54 JR
3-Nitrophenol[88-75-5]	ND	3.3	ug/G	SW8270	04/17/90 19:54 JR
2,4-Dimethylphenol[105-57-9]	ND	3.3	ug/G	SW8270	04/17/90 19:54 JR
2,4-Dichlorophenol[120-83-2]	ND	3.3	ug/G	SW8270	04/17/90 19:54 JR
4-Chloro-3-methylphenol[59-50-7]	ND	3.3	ug/G	SW8270	04/17/90 19:54 JR
2,4,6-Trichlorophenol[88-06-2]	ND	3.3	ug/G	SW8270	04/17/90 19:54 JR
2,4-Dinitrophenol[51-28-5]	ND	17	ug/G	SW8270	04/17/90 19:54 JR
4-Nitrophenol[100-02-7]	ND	17	ug/G	SW8270	04/17/90 19:54 JR
2-Methyl-4-nitrophenol[534-52-1]	ND	17	ug/G	SW8270	04/17/90 19:54 JR
Pentachlorophenol[87-86-3]	ND	17	ug/G	SW8270	04/17/90 19:54 JR
SURROGATE RECOVERY-ACID FRACTION					
2-Fluorophenol (SURROGATE)	36		% REC	SW8270	04/17/90 19:54 JR
Phenol-d6 (SURROGATE)	43		% REC	SW8270	04/17/90 19:54 JR
2,4,6-Tribromophenol (SURROGATE)	22		% REC	SW8270	04/17/90 19:54 JR

Extraction and Analytical Methods: USEPA 8270, SW-846

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit

AR 100355



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5628

Respectfully
Submitted:

3-8 18:15
NITRO SANITATION LANDFILL 3103

Sampled by CLIENT
Date Received 03/28/90

Date Sampled 03/27/90

Dilution Factor 10

PRIORITY POLLUTANTS-EXTRACTABLE ORGANICS
ACID & BASE/NEUTRAL FRACTIONS
Sonication Extraction
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED DATE/TIME/ANALYST
4-Nitrosodimethylamine[62-75-3]	ND	17	ug/G	SW8270	04/17/90 19:54 JR
Bis(2-chloroethyl) ether[111-44-4]	ND	3.3	ug/G	SW8270	04/17/90 19:54 JR
1,3-Dichlorobenzene[541-73-1]	ND	3.3	ug/G	SW8270	04/17/90 19:54 JR
1,4-Dichlorobenzene[106-46-7]	ND	3.3	ug/G	SW8270	04/17/90 19:54 JR
1,2-Dichlorobenzene[95-50-1]	ND	3.3	ug/G	SW8270	04/17/90 19:54 JR
Bis(2-chloroisopropyl) ether[39638-32-9]	ND	3.3	ug/G	SW8270	04/17/90 19:54 JR
Nitrosodi-n-propylamine[621-64-7]	ND	6.7	ug/G	SW8270	04/17/90 19:54 JR
Chlorobenzene[98-95-3]	ND	3.3	ug/G	SW8270	04/17/90 19:54 JR
Hexachloroethane[67-72-1]	ND	3.3	ug/G	SW8270	04/17/90 19:54 JR
Isophorone[78-59-1]	ND	3.3	ug/G	SW8270	04/17/90 19:54 JR
Bis(2-Chloroethoxy)methane[111-91-1]	ND	3.3	ug/G	SW8270	04/17/90 19:54 JR
1,2,4-Trichlorobenzene[120-82-1]	ND	3.3	ug/G	SW8270	04/17/90 19:54 JR
Naphthalene[91-29-3]	ND	3.3	ug/G	SW8270	04/17/90 19:54 JR
Hexachlorobutadiene[87-68-3]	ND	3.3	ug/G	SW8270	04/17/90 19:54 JR
Hexachlorocyclopentadiene[77-47-4]	ND	3.3	ug/G	SW8270	04/17/90 19:54 JR
2-Chloronaphthalene[91-58-7]	ND	3.3	ug/G	SW8270	04/17/90 19:54 JR
Dimethylphthalate[131-11-3]	ND	3.3	ug/G	SW8270	04/17/90 19:54 JR
Acenaphthylene[208-96-8]	ND	3.3	ug/G	SW8270	04/17/90 19:54 JR
Acenaphthene[83-32-9]	ND	3.3	ug/G	SW8270	04/17/90 19:54 JR
2,6-Dinitrotoluene[606-20-2]	ND	3.3	ug/G	SW8270	04/17/90 19:54 JR
2,4-Dinitrotoluene[121-14-2]	ND	3.3	ug/G	SW8270	04/17/90 19:54 JR
Fluorene[86-73-7]	ND	3.3	ug/G	SW8270	04/17/90 19:54 JR
4-Chlorophenylphenylether[7005-72-3]	ND	3.3	ug/G	SW8270	04/17/90 19:54 JR
1,2-Diphenylhydrazine[122-66-7]	ND	3.3	ug/G	SW8270	04/17/90 19:54 JR
Diethylphthalate[84-66-2]	ND	3.3	ug/G	SW8270	04/17/90 19:54 JR
n-Nitrosodiphenylamine[86-30-6]	ND	6.7	ug/G	SW8270	04/17/90 19:54 JR
Hexachlorobenzene[118-74-1]	ND	3.3	ug/G	SW8270	04/17/90 19:54 JR
4-Bromophenylphenylether[101-55-3]	ND	3.3	ug/G	SW8270	04/17/90 19:54 JR
Phenanthrene[85-01-8]	ND	3.3	ug/G	SW8270	04/17/90 19:54 JR

REF: USEPA; Test Methods For Evaluating Solid Waste; SW-846, 3rd Ed.; Nov, 1986.

Not detected at a concentration greater than or equal to the MDL - Method Detection Limit.

AR100356

1256 GREENBRIER STREET, CHARLESTON, WEST VIRGINIA 25311 — TELEPHONE 304 348-0725

4643 BENSON AVENUE, BALTIMORE, MARYLAND 21227 — TELEPHONE 301 247-7400

CINCINNATI, OHIO AREA — TELEPHONE 513 421-3872 OR 606 344-0084



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5628

Respectfully
Submitted:

5-8 10:15
NITRO SANITATION LANDFILL 3103

Sampled by CLIENT
Date Received 03/28/90

Date Sampled 03/27/90

Dilution Factor 10

PAGE

PRIORITY POLLUTANTS-EXTRACTABLE ORGANICS
ACID & BASE/NEUTRAL FRACTIONS
Sonication Extraction
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED DATE/TIME/ANALYST
Anthracene[120-12-7]	ND	3.3	ug/G	SW8270	04/17/90 19:54 JR
Di-n-butylphthalate[84-74-2]	ND	3.3	ug/G	SW8270	04/17/90 19:54 JR
Fluoranthene[206-44-0]	ND	3.3	ug/G	SW8270	04/17/90 19:54 JR
Pyrene[129-00-0]	ND	3.3	ug/G	SW8270	04/17/90 19:54 JR
Benzidine[2-87-5]	ND	17	ug/G	SW8270	04/17/90 19:54 JR
Butylbenzophthalate[85-68-7]	ND	3.3	ug/G	SW8270	04/17/90 19:54 JR
Bis(2-ethylhexyl)phthalate[117-81-7]	ND	3.3	ug/G	SW8270	04/17/90 19:54 JR
Chrysene[218-01-9]	ND	3.3	ug/G	SW8270	04/17/90 19:54 JR
Benz(a)anthracene[53-55-3]	ND	3.3	ug/G	SW8270	04/17/90 19:54 JR
3,3'-Dichlorobenzidine[91-94-1]	ND	3.3	ug/G	SW8270	04/17/90 19:54 JR
Di-n-octylphthalate[117-84-0]	ND	3.3	ug/G	SW8270	04/17/90 19:54 JR
Benzo(b)fluoranthene[205-99-2]	ND	3.3	ug/G	SW8270	04/17/90 19:54 JR
Benzo(k)fluoranthene[207-08-9]	ND	3.3	ug/G	SW8270	04/17/90 19:54 JR
Benzo(a)pyrene[50-32-8]	ND	3.3	ug/G	SW8270	04/17/90 19:54 JR
Indeno(1,2,3-cd)pyrene[193-39-5]	ND	6.7	ug/G	SW8270	04/17/90 19:54 JR
Dibenzo(a,h)anthracene[53-70-3]	ND	6.7	ug/G	SW8270	04/17/90 19:54 JR
Benzo(ghi)perylene[191-24-2]	ND	6.7	ug/G	SW8270	04/17/90 19:54 JR
SURROGATE RECOVERY-BASE/NEUTRAL FRACTION					
Nitrobenzene-d5(SURROGATE)	64		X REC	SW8270	04/17/90 19:54 JR
2-Fluorociphenyl(SURROGATE)	97		X REC	SW8270	04/17/90 19:54 JR
Terphenyl-d14(SURROGATE)	64		X REC	SW8270	04/17/90 19:54 JR

REF: USEPA; Test Methods For Evaluating Solid Waste; SW-846, 3rd Ed.; Nov, 1986.

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit.

ART00357



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5628

Respectfully
Submitted:

S-8 13:13
NITRO SANITATION LANDFILL 3163

Sampled by CLIENT
Date Received 03/28/90

Date Sampled 03/27/90

PRIORITY POLLUTANT LIST: VOLATILE ORGANICS
Soil Procedure/Methanol Extraction
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED DATE/TIME/ANALYST
Chloromethane[74-87-3]	ND	0.63	ug/G	SW8240	04/10/90 18:32 DAA
Bromomethane[74-83-9]	ND	0.63	ug/G	SW8240	04/10/90 18:32 DAA
Vinyl Chloride[75-01-4]	ND	0.63	ug/G	SW8240	04/10/90 18:32 DAA
Chloroethane[75-00-3]	ND	0.63	ug/G	SW8240	04/10/90 18:32 DAA
Methylene Chloride[75-09-2]	ND	0.63	ug/G	SW8240	04/10/90 18:32 DAA
1,1-Dichloroethene[75-35-4]	ND	0.63	ug/G	SW8240	04/10/90 18:32 DAA
1,1-Dichloroethane[75-34-3]	ND	0.63	ug/G	SW8240	04/10/90 18:32 DAA
trans-1,2-Dichloroethene[156-60-5]	ND	0.63	ug/G	SW8240	04/10/90 18:32 DAA
Chloroform[67-66-3]	ND	0.63	ug/G	SW8240	04/10/90 18:32 DAA
1,2-Dichloroethane[107-06-2]	ND	0.63	ug/G	SW8240	04/10/90 18:32 DAA
1,1,1-Trichloroethane	ND	0.63	ug/G	SW8240	04/10/90 18:32 DAA
Carbon Tetrachloride[56-23-5]	ND	0.63	ug/G	SW8240	04/10/90 18:32 DAA
Bromodichloromethane[75-27-4]	ND	0.63	ug/G	SW8240	04/10/90 18:32 DAA
1,2-Dichloropropane[78-87-5]	ND	0.63	ug/G	SW8240	04/10/90 18:32 DAA
trans-1,3-Dichloropropene[10061-02-6]	ND	0.63	ug/G	SW8240	04/10/90 18:32 DAA
cis-1,3-Dichloropropene[10051-01-5]	ND	0.63	ug/G	SW8240	04/10/90 18:32 DAA
Trichloroethane[79-01-6]	ND	3.63	ug/G	SW8240	04/10/90 18:32 DAA
Dibromochloromethane[124-48-1]	ND	3.63	ug/G	SW8240	04/10/90 18:32 DAA
1,1,2-Trichloroethane[79-00-5]	ND	0.63	ug/G	SW8240	04/10/90 18:32 DAA
2-Chloroethylvinylether[110-75-8]	ND	1.3	ug/G	SW8240	04/10/90 18:32 DAA
Bromoform[75-25-2]	ND	0.63	ug/G	SW8240	04/10/90 18:32 DAA
1,1,2,2-Tetrachloroethane[79-34-5]	ND	0.63	ug/G	SW8240	04/10/90 18:32 DAA
Tetrachloroethene[127-18-4]	ND	0.63	ug/G	SW8240	04/10/90 18:32 DAA
Benzene[71-43-2]	ND	0.63	ug/G	SW8240	04/10/90 18:32 DAA
Toluene[108-88-3]	ND	0.63	ug/G	SW8240	04/10/90 18:32 DAA
Ethylbenzene[100-41-4]	ND	0.63	ug/G	SW8240	04/10/90 18:32 DAA
Chlorobenzene[108-90-7]	ND	0.63	ug/G	SW8240	04/10/90 18:32 DAA
Acrylonitrile[107-13-1]	ND	6.3	ug/G	SW8240	04/10/90 18:32 DAA
Acrolein[107-02-8]	ND	6.3	ug/G	SW8240	04/10/90 18:32 DAA

SURROGATE RECOVERY-VOLATILE FRACTION

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit.

Analytical Methods: USEPA 8240, SW-846 (Purge/Trap/Desorb or Direct Injection)

ARI00358



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5619

Respectfully
Submitted:

W-3 10:20
NITRO SANITATION LANDFILL 3103

Sampled by CLIENT
Date Received 03/28/90

RCM

Date Sampled 03/28/90

PAGE

PRIORITY POLLUTANTS:BASE/NEUTRAL EXTRACTABLE FRACTION
Liquids:Liquid Extraction
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED	
					DATE/TIME	ANALYST
Di-n-butylphthalate[64-74-2]	ND	10	ug/L	SW8270	04/09/90 22:29	JR
Fluoranthene[206-44-0]	ND	10	ug/L	SW8270	04/09/90 22:29	JR
Pyrene[129-00-0]	ND	10	ug/L	SW8270	04/09/90 22:29	JR
Benzidine[92-87-5]	ND	50	ug/L	SW8270	04/09/90 22:29	JR
Butylbenzylphthalate[35-68-7]	ND	10	ug/L	SW8270	04/09/90 22:29	JR
Bis(2-ethylhexyl)phthalate[117-81-7]	ND	10	ug/L	SW8270	04/09/90 22:29	JR
Chrysene[218-01-9]	ND	10	ug/L	SW8270	04/09/90 22:29	JR
Benz(a)anthracene[56-55-3]	ND	10	ug/L	SW8270	04/09/90 22:29	JR
3,3'-Dichlorobenzidine[91-94-1]	ND	50	ug/L	SW8270	04/09/90 22:29	JR
Di-n-octylphthalate[117-84-0]	ND	10	ug/L	SW8270	04/09/90 22:29	JR
Benzo(b)fluoranthene[205-99-2]	ND	10	ug/L	SW8270	04/09/90 22:29	JR
Benzo(k)fluoranthene[207-08-9]	ND	10	ug/L	SW8270	04/09/90 22:29	JR
Benzo(a)pyrene[50-32-8]	ND	10	ug/L	SW8270	04/09/90 22:29	JR
Indeno(1,2,3-cd)pyrene[193-39-5]	ND	20	ug/L	SW8270	04/09/90 22:29	JR
Libenzo(a,h)anthracene[53-70-3]	ND	20	ug/L	SW8270	04/09/90 22:29	JR
Benzo(ghi)perylene[191-24-2]	ND	20	ug/L	SW8270	04/09/90 22:29	JR
SURROGATE RECOVERY-BASE/NEUTRAL FRACTION						
Nitrobenzene[98-95-3]	71	-----	X REC	SW8270	04/09/90 22:29	JR
2-Fluorobiphenyl(SURROGATE)	73	-----	X REC	SW8270	04/09/90 22:29	JR
Terphenyl-d14(SURROGATE)	46	-----	X REC	SW8270	04/09/90 22:29	JR

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit.

REF: USEPA; Test Methods For Evaluating Solid Waste; SW-846, 3rd Ed.; Nov, 1986.

AR100359



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5620

Respectfully Submitted:

N-4 10:25
NITRO SANITATION LANDFILL 3103

Sampled by CLIENT
Date Received 03/28/90

RCM

Date Sampled 03/28/90

PRIORITY POLLUTANTS/ACID EXTRACTABLE FRACTION
Liquid/Liquid Extraction
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED DATE/TIME/ANALYST	
Phenol[100-95-2]	2300	10	ug/L	SW8270	04/07/90	20:08 JR D
2-Chlorophenol[95-57-8]	ND	10	ug/L	SW8270	04/07/90	20:08 JR
3-Nitrophenol[88-75-3]	ND	10	ug/L	SW8270	04/07/90	20:08 JR
2,4-Dimethylphenol[105-67-9]	1300	10	ug/L	SW8270	04/07/90	20:08 JR D
2,4-Dichlorophenol[120-83-2]	ND	10	ug/L	SW8270	04/07/90	20:08 JR
4-Chloro-3-methylphenol[59-50-7]	ND	10	ug/L	SW8270	04/07/90	20:08 JR
2,4,6-Trichlorophenol[88-06-2]	ND	10	ug/L	SW8270	04/07/90	20:08 JR
2,4-Dinitrophenol[51-28-5]	ND	50	ug/L	SW8270	04/07/90	20:08 JR
3-Nitrophenol[100-02-7]	ND	50	ug/L	SW8270	04/07/90	20:08 JR
2-Methyl-4,6-dinitrophenol[534-52-1]	ND	50	ug/L	SW8270	04/07/90	20:08 JR
Pentachlorophenol[87-86-5]	ND	50	ug/L	SW8270	04/07/90	20:08 JR
SURROGATE RECOVERY-ACID FRACTION						
2-Fluorophenol (SURROGATE)	40	-----	x REC	SW8270	04/07/90	20:08 JR
Phenol-d6 (SURROGATE)	20	-----	x REC	SW8270	04/07/90	20:08 JR
2,4,6-Tribromophenol (SURROGATE)	90	-----	x REC	SW8270	04/07/90	20:08 JR

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit.

REF: USEPA; Test Methods For Evaluating Solid Waste; SW-846, 3rd Ed.; Nov, 1986.

D: Result was obtained from the 1/20 dilution.

AR100360



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5620

Respectfully
Submitted:

W-4 10:25
NITRO SANITATION LANDFILL 3103

Sampled by CLIENT
Date Received 03/28/90

Date Sampled 03/28/90

PRIORITY POLLUTANTS: BASE/NEUTRAL EXTRACTABLE FRACTION
Liquid:Liquid Extraction
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED		
					DATE/TIME/ANALYST		
N-Nitrosodimethylamine[62-73-9]	ND	50	ug/L	SW8270	04/09/90	23:24	JR
Bis(2-chloroethyl) ether[111-44-4]	ND	10	ug/L	SW8270	04/09/90	23:24	JR
1,3-Dichlorobenzene[541-73-1]	ND	10	ug/L	SW8270	04/09/90	23:24	JR
1,4-Dichlorobenzene[106-46-7]	ND	10	ug/L	SW8270	04/09/90	23:24	JR
1,2-Dichlorobenzene[95-50-1]	ND	10	ug/L	SW8270	04/09/90	23:24	JR
Bis(2-chloroisopropyl) ether[39638-32-9]	ND	10	ug/L	SW8270	04/09/90	23:24	JR
N-Nitrosodi-n-propylamine[621-64-7]	ND	20	ug/L	SW8270	04/09/90	23:24	JR
Nitrobenzene[98-95-3]	ND	10	ug/L	SW8270	04/09/90	23:24	JR
Hexachloroethane[67-72-1]	ND	10	ug/L	SW8270	04/09/90	23:24	JR
Isophorone[78-59-1]	ND	10	ug/L	SW8270	04/09/90	23:24	JR
Bis(2-Chloroethoxy)methane[111-91-1]	ND	10	ug/L	SW8270	04/09/90	23:24	JR
1,2,4-Trichlorobenzene[120-82-1]	ND	10	ug/L	SW8270	04/09/90	23:24	JR
Naphthalene[91-20-3]	ND	10	ug/L	SW8270	04/09/90	23:24	JR
Hexachlorobutadiene[87-68-3]	ND	10	ug/L	SW8270	04/09/90	23:24	JR
Hexachlorocyclopentadiene[77-47-4]	ND	10	ug/L	SW8270	04/09/90	23:24	JR
3-Chloronaphthalene[91-08-7]	ND	10	ug/L	SW8270	04/09/90	23:24	JR
Dimethylphthalate[131-11-3]	ND	10	ug/L	SW8270	04/09/90	23:24	JR
Acenaphthylene[208-96-8]	ND	10	ug/L	SW8270	04/09/90	23:24	JR
Acenaphthene[83-32-9]	ND	10	ug/L	SW8270	04/09/90	23:24	JR
2,6-Dinitrotoluene[606-20-2]	ND	10	ug/L	SW8270	04/09/90	23:24	JR
2,4-Dinitrotoluene[121-14-2]	ND	10	ug/L	SW8270	04/09/90	23:24	JR
Fluorene[86-73-7]	ND	10	ug/L	SW8270	04/09/90	23:24	JR
4-Chlorophenylphenylether[7005-72-3]	ND	10	ug/L	SW8270	04/09/90	23:24	JR
1,2-Diphenylhydrazine[122-66-7]	ND	10	ug/L	SW8270	04/09/90	23:24	JR
Diethylphthalate[94-66-2]	ND	10	ug/L	SW8270	04/09/90	23:24	JR
n-Nitrosodiphenylamine[86-30-6]	ND	20	ug/L	SW8270	04/09/90	23:24	JR
Hexachlorobenzene[118-74-1]	ND	10	ug/L	SW8270	04/09/90	23:24	JR
4-Bromophenylphenylether[101-55-3]	ND	10	ug/L	SW8270	04/09/90	23:24	JR
Phenanthrene[85-01-8]	ND	10	ug/L	SW8270	04/09/90	23:24	JR
Anthracene[120-12-7]	ND	10	ug/L	SW8270	04/09/90	23:24	JR

ND: Not detected at a concentration greater than or equal to the MDL - Method Reference Limit. **ART 100361**

REF: USEPA; Test Methods For Evaluating Solid Waste; SW-846, 3rd Ed.; Nov, 1986.

1256 GREENBRIER STREET, CHARLESTON, WEST VIRGINIA 25311 — TELEPHONE 304 348-0725

4643 BENSON AVENUE, BALTIMORE, MARYLAND 21227 — TELEPHONE 301 247-7400

CINCINNATI, OHIO AREA — TELEPHONE 513 233-3872 OR 606 344-0001



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5620

Respectfully
Submitted:

W-4 10:25
NITRO SANITATION LANDFILL 3103

Sampled by CLIENT
Date Received 03/28/90

Date Sampled 03/28/90

PAGE 2

PRIORITY POLLUTANTS: BASE/NEUTRAL EXTRACTABLE FRACTION
Liquid: Liquid Extraction
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED		
					DATE/TIME/ANALYST		
Di-n-butylphthalate[84-74-2]	ND	10	ug/L	SW8270	04/09/90	23:24	JR
Fluoranthene[206-44-0]	ND	10	ug/L	SW8270	04/09/90	23:24	JR
Pyrene[129-00-0]	ND	10	ug/L	SW8270	04/09/90	23:24	JR
Benzenzidine[92-87-5]	ND	50	ug/L	SW8270	04/09/90	23:24	JR
Butylbenzylphthalate[35-68-7]	ND	10	ug/L	SW8270	04/09/90	23:24	JR
Bis(2-ethylhexyl)phthalate[117-81-7]	ND	10	ug/L	SW8270	04/09/90	23:24	JR
Chrysene[218-01-9]	ND	10	ug/L	SW8270	04/09/90	23:24	JR
(a)anthracene[56-55-3]	ND	10	ug/L	SW8270	04/09/90	23:24	JR
2,3-Dichlorobenzidine[91-94-1]	ND	50	ug/L	SW8270	04/09/90	23:24	JR
Di-n-octylphthalate[117-84-0]	ND	10	ug/L	SW8270	04/09/90	23:24	JR
Benzo(b)fluoranthene[205-99-2]	ND	10	ug/L	SW8270	04/09/90	23:24	JR
Benzo(k)fluoranthene[207-08-9]	ND	10	ug/L	SW8270	04/09/90	23:24	JR
Benzo(a)pyrene[50-32-8]	ND	10	ug/L	SW8270	04/09/90	23:24	JR
Indeno(1,2,3-cd)pyrene[193-39-5]	ND	20	ug/L	SW8270	04/09/90	23:24	JR
Dibenzo(a,n.)anthracene[53-70-3]	ND	20	ug/L	SW8270	04/09/90	23:24	JR
Benzo(g,h,i)perylene[191-24-2]	ND	20	ug/L	SW8270	04/09/90	23:24	JR
SURROGATE RECOVERY-BASE/NEUTRAL FRACTION							
Nitrobenzene[98-95-3]	42	-----	X REC	SW8270	04/09/90	23:24	JR
2-Fluorobiphenyl(SURROGATE)	39	-----	X REC	SW8270	04/09/90	23:24	JR
Terphenyl-d14(SURROGATE)	27	-----	X REC	SW8270	04/09/90	23:24	JR

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit.

REF: USEPA; Test Methods For Evaluating Solid Waste; SW-846, 3rd Ed.; Nov, 1986.

AR100362



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

C.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5621

Respectfully
Submitted:

2-1 3:15
NITRO SANITATION LANDFILL 3103

Sampled by CLIENT
Date Received 03/28/90

RCM

Date Sampled 03/27/90

Dilution Factor 10

PRIORITY POLLUTANTS: ACID EXTRACTABLES FRACTION
Soil Procedure/Sonication Extraction
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED DATE/TIME/ANALYST
Phenol[130-95-2]	420	3.3	ug/G	SW8270	04/17/90 18:58 JR D
2-Chlorophenol[95-57-8]	ND	3.3	ug/G	SW8270	04/17/90 18:58 JR
2-Nitrophenol[88-75-5]	ND	3.3	ug/G	SW8270	04/17/90 18:58 JR
2,4-Dimethylphenol[105-67-9]	80	3.3	ug/G	SW8270	04/17/90 18:58 JR
2,4-Dichlorophenol[120-83-2]	ND	3.3	ug/G	SW8270	04/17/90 18:58 JR
4-Chloro-3-methylphenol[59-50-7]	ND	3.3	ug/G	SW8270	04/17/90 18:58 JR
2,4,6-Trichlorophenol[88-06-2]	ND	3.3	ug/G	SW8270	04/17/90 18:58 JR
2,4-Dinitrophenol[51-28-5]	ND	17	ug/G	SW8270	04/17/90 18:58 JR
4-Nitrophenol[100-02-7]	ND	17	ug/G	SW8270	04/17/90 18:58 JR
2-Methyl-4,6-dinitrophenol[534-52-1]	ND	17	ug/G	SW8270	04/17/90 18:58 JR
Pentachlorophenol[67-86-5]	ND	17	ug/G	SW8270	04/17/90 18:58 JR
SURROGATE RECOVERY-ACID FRACTION					
2-Fluorophenol (SURROGATE)	70		% REC	SW8270	04/17/90 18:58 JR
Phenol-d6 (SURROGATE)	10		% REC	SW8270	04/17/90 18:58 JR *
2,4,6-Tribromophenol (SURROGATE)	29		% REC	SW8270	04/17/90 18:58 JR

Extraction and Analytical Method: USEPA 8270, SW-846

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit.

D: Result was obtained from the 1/50 dilution.

* Recovery was lower than the normally accepted value of 24.

AR100363



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5621

Respectfully
Submitted:

S-1 9:15
NITRO SANITATION LANDFILL 3103

Sampled by CLIENT
Date Received 03/28/90

RC [Signature]

Date Sampled 03/27/90

PRIORITY POLLUTANTS-EXTRACTABLE ORGANICS
ACID & BASE/NEUTRAL FRACTIONS
Sonication Extraction
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED		
					DATE/TIME/ANALYST		
N-Nitrosodimethylamine[62-75-9]	ND	1.7	ug/G	SW8270	04/17/90	18:58	JR
Bis(2-chloroethyl) ether[111-44-4]	ND	0.33	ug/G	SW8270	04/17/90	18:58	JR
1,3-Dichlorobenzene[541-73-1]	ND	0.33	ug/G	SW8270	04/17/90	18:58	JR
1,4-Dichlorobenzene[106-46-7]	ND	0.33	ug/G	SW8270	04/17/90	18:58	JR
1,2-Dichlorobenzene[95-50-1]	ND	0.33	ug/G	SW8270	04/17/90	18:58	JR
Bis(2-chloroisopropyl) ether[39638-32-9]	ND	0.33	ug/G	SW8270	04/17/90	18:58	JR
N-Nitrosodi-n-propylamine[621-64-7]	ND	0.67	ug/G	SW8270	04/17/90	18:58	JR
robenzene[98-95-3]	ND	0.33	ug/G	SW8270	04/17/90	18:58	JR
Hexachloroethane[67-72-1]	ND	0.33	ug/G	SW8270	04/17/90	18:58	JR
Isophorone[78-59-1]	ND	0.33	ug/G	SW8270	04/17/90	18:58	JR
Bis(2-Chloroethoxy)methane[111-91-1]	ND	0.33	ug/G	SW8270	04/17/90	18:58	JR
1,2,4-Trichlorobenzene[120-82-1]	ND	0.33	ug/G	SW8270	04/17/90	18:58	JR
Naphthalene[91-20-3]	ND	0.33	ug/G	SW8270	04/17/90	18:58	JR
Hexachlorobutadiene[87-68-3]	ND	0.33	ug/G	SW8270	04/17/90	18:58	JR
Hexachlorocyclopentadiene[77-47-4]	ND	0.33	ug/G	SW8270	04/17/90	18:58	JR
2-Chloronaphthalene[91-58-7]	ND	0.33	ug/G	SW8270	04/17/90	18:58	JR
Dimethylphthalate[131-11-3]	ND	0.33	ug/G	SW8270	04/17/90	18:58	JR
Acenaphthylene[208-96-8]	ND	0.33	ug/G	SW8270	04/17/90	18:58	JR
Acenaphthene[83-32-9]	ND	0.33	ug/G	SW8270	04/17/90	18:58	JR
2,6-Dinitrotoluene[606-20-2]	ND	0.33	ug/G	SW8270	04/17/90	18:58	JR
2,4-Dinitrotoluene[121-14-2]	ND	0.33	ug/G	SW8270	04/17/90	18:58	JR
Fluorene[86-73-7]	ND	0.33	ug/G	SW8270	04/17/90	18:58	JR
4-Chlorophenylphenylether[7005-72-3]	ND	0.33	ug/G	SW8270	04/17/90	18:58	JR
1,2-Diphenylhydrazine[122-66-7]	ND	0.33	ug/G	SW8270	04/17/90	18:58	JR
Diethylphthalate[84-66-2]	ND	0.33	ug/G	SW8270	04/17/90	18:58	JR
n-Nitrosodiphenylamine[86-30-6]	ND	0.67	ug/G	SW8270	04/17/90	18:58	JR
Hexachlorobenzene[118-74-1]	ND	0.33	ug/G	SW8270	04/17/90	18:58	JR
4-Bromophenylphenylether[101-55-3]	ND	0.33	ug/G	SW8270	04/17/90	18:58	JR
Phenanthrene[85-01-8]	ND	0.33	ug/G	SW8270	04/17/90	18:58	JR

REF: USEPA; Test Methods For Evaluating Solid Waste; SW-846, 3rd Ed.; Nov, 1986.

Not detected at a concentration greater than or equal to the MDL - Method Detection Limit. **AR100364**



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5621

Respectfully
Submitted:

3-1 9:15
NITRO SANITATION LANDFILL 3103

Sampled by CLIENT
Date Received 03/28/90

RCM

Date Sampled 03/27/90

PAGE

PRIORITY POLLUTANTS-EXTRACTABLE ORGANICS
ACID & BASE/NEUTRAL FRACTIONS
Sonication Extraction
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED DATE/TIME/ANALYST
Anthracene[120-12-7]	ND	0.33	ug/G	SW8270	04/17/90 18:58 JR
Di-n-butylphthalate[84-74-2]	ND	0.33	ug/G	SW8270	04/17/90 18:58 JR
Fluoranthene[206-44-0]	ND	0.33	ug/G	SW8270	04/17/90 18:58 JR
Pyrene[129-00-0]	ND	0.33	ug/G	SW8270	04/17/90 18:58 JR
Benzo(a)anthracene[125-28-5]	ND	1.7	ug/G	SW8270	04/17/90 18:58 JR
Butylbenzylphthalate[85-68-7]	ND	0.33	ug/G	SW8270	04/17/90 18:58 JR
Bis(2-ethylhexyl)phthalate[117-81-7]	ND	0.33	ug/G	SW8270	04/17/90 18:58 JR
Chrysene[1218-01-9]	ND	0.33	ug/G	SW8270	04/17/90 18:58 JR
Benzo(a)anthracene[56-55-3]	ND	0.33	ug/G	SW8270	04/17/90 18:58 JR
2,3'-Dichlorobenzidine[91-94-1]	ND	0.33	ug/G	SW8270	04/17/90 18:58 JR
Di-n-octylphthalate[117-84-0]	ND	0.33	ug/G	SW8270	04/17/90 18:58 JR
Benzo(b)fluoranthene[205-99-2]	ND	0.33	ug/G	SW8270	04/17/90 18:58 JR
Benzo(k)fluoranthene[207-08-9]	ND	0.33	ug/G	SW8270	04/17/90 18:58 JR
Benzo(a)pyrene[50-32-8]	ND	0.33	ug/G	SW8270	04/17/90 18:58 JR
Indeno(1,2,3-cd)pyrene[193-39-5]	ND	0.67	ug/G	SW8270	04/17/90 18:58 JR
Dibenzo(a,n)anthracene[53-70-3]	ND	0.67	ug/G	SW8270	04/17/90 18:58 JR
Benzo(ghi)perylene[191-24-2]	ND	0.67	ug/G	SW8270	04/17/90 18:58 JR
SURROGATE RECOVERY-BASE/NEUTRAL FRACTION					
Nitrobenzene-d5(SURROGATE)	72	-----	X REC	SW8270	04/17/90 18:58 JR
2-Fluorobiphenyl(SURROGATE)	88	-----	X REC	SW8270	04/17/90 18:58 JR
Terphenyl-d14(SURROGATE)	61	-----	X REC	SW8270	04/17/90 18:58 JR

REF: USEPA; Test Methods For Evaluating Solid Waste; SW-846, 3rd Ed.; Nov, 1986.

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit.

AR100365



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5621

Respectfully Submitted:

3-1 9:15

NITRO SANITATION LANDFILL 3103

Sampled by CLIENT

Date Received 03/28/90

RCM

Date Sampled 03/27/90

PRIORITY POLLUTANT LIST: VOLATILE ORGANICS

Soil Procedure/Methanol Extraction

ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED DATE/TIME/ANALYST
Chloromethane[74-87-3]	ND	0.63	ug/G	SW8240	04/04/90 18:08 DAA
Bromomethane[74-83-9]	ND	0.63	ug/G	SW8240	04/04/90 18:08 DAA
Vinyl Chloride[75-01-4]	ND	0.63	ug/G	SW8240	04/04/90 18:08 DAA
Chloroethane[75-08-3]	ND	0.63	ug/G	SW8240	04/04/90 18:08 DAA
Methylene Chloride[75-09-2]	ND	0.63	ug/G	SW8240	04/04/90 18:08 DAA
1,1-Dichloroethene[75-35-4]	ND	0.63	ug/G	SW8240	04/04/90 18:08 DAA
1,1-Dichloroethane[75-34-3]	ND	0.63	ug/G	SW8240	04/04/90 18:08 DAA
Trans-1,2-Dichloroethene[156-60-5]	ND	0.63	ug/G	SW8240	04/04/90 18:08 DAA
proform[67-66-3]	ND	0.63	ug/G	SW8240	04/04/90 18:08 DAA
-Dichloroethane[107-06-2]	ND	0.63	ug/G	SW8240	04/04/90 18:08 DAA
1,1,1-Trichloroethane	ND	0.63	ug/G	SW8240	04/04/90 18:08 DAA
Carbon Tetrachloride[56-23-5]	ND	0.63	ug/G	SW8240	04/04/90 18:08 DAA
Bromodichloromethane[75-27-4]	ND	0.63	ug/G	SW8240	04/04/90 18:08 DAA
1,2-Dichloropropane[78-87-5]	ND	0.63	ug/G	SW8240	04/04/90 18:08 DAA
trans-1,3-Dichloropropene[10061-02-6]	ND	0.63	ug/G	SW8240	04/04/90 18:08 DAA
cis-1,3-Dichloropropene[10061-01-5]	ND	0.63	ug/G	SW8240	04/04/90 18:08 DAA
Trichloroethane[79-01-6]	ND	0.63	ug/G	SW8240	04/04/90 18:08 DAA
Dibromochloromethane[124-48-1]	ND	0.63	ug/G	SW8240	04/04/90 18:08 DAA
1,1,2-Trichloroethane[79-00-5]	ND	0.63	ug/G	SW8240	04/04/90 18:08 DAA
2-Chloroethylvinylether[118-75-8]	ND	1.3	ug/G	SW8240	04/04/90 18:08 DAA
Bromoform[75-25-2]	ND	0.63	ug/G	SW8240	04/04/90 18:08 DAA
1,1,2,2-Tetrachloroethane[79-34-5]	ND	0.63	ug/G	SW8240	04/04/90 18:08 DAA
Tetrachloroethene[127-18-4]	ND	0.63	ug/G	SW8240	04/04/90 18:08 DAA
Benzene[71-43-2]	ND	0.63	ug/G	SW8240	04/04/90 18:08 DAA
Toluene[108-88-3]	ND	0.63	ug/G	SW8240	04/04/90 18:08 DAA
Ethylbenzene[108-41-4]	ND	0.63	ug/G	SW8240	04/04/90 18:08 DAA
Chlorobenzene[108-90-7]	ND	0.63	ug/G	SW8240	04/04/90 18:08 DAA
Acrylonitrile[107-13-1]	ND	6.3	ug/G	SW8240	04/04/90 18:08 DAA
Acrolein[107-02-8]	ND	6.3	ug/G	SW8240	04/04/90 18:08 DAA
SURROGATE RECOVERY-VOLATILE FRACTION					

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit.

Analytical Method: USEPA 8240, SW-846 (Purge/Trap/Desorb or Direct Injection) **AR100366**

1256 GREENBRIER STREET, CHARLESTON, WEST VIRGINIA 25311 — TELEPHONE 304 346-0725

4643 BENSON AVENUE, BALTIMORE, MARYLAND 21227 — TELEPHONE 301 247-7400

CINCINNATI, OHIO AREA — TELEPHONE 513 421-3872 OR 606 344-0084



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston - Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5621

Respectfully
Submitted:

3-1 9:15
NITRO SANITATION LANDFILL 3103

Sampled by CLIENT
Date Received 03/28/90

RCM

Date Sampled 03/27/90

PAGE

PRIORITY POLLUTANT LIST: VOLATILE ORGANICS
Soil Procedure/Methanol Extraction
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED DATE/TIME/ANALYST
1,2-Dichloroethane-d4 (SURROGATE)	36	-----	X REC	SW8240	04/04/90 18:08 DAA
Toluene-d8 (SURROGATE)	95	-----	X REC	SW8240	04/04/90 18:08 DAA
Bromofluorobenzene (SURROGATE)	189	-----	X REC	SW8240	04/04/90 18:08 DAA

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit.

Analytical Methods: USEPA 8240, SW-846 (Purge/Trap/Desorb or Direct Injection)

AR100367



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5622

Respectfully
Submitted:

S-2 10:00

Sampled by CLIENT

NITRO SANITATION LANDFILL 3103

Date Received 03/28/90

RCM

Date Sampled 03/27/90

PRIORITY POLLUTANTS: ACID EXTRACTABLES FRACTION
Soil Procedure/Sonication Extraction
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED DATE/TIME/ANALYST
Phenol[108-95-2]	ND	0.33	ug/G	SW8270	04/12/90 16:57 JR
2-Chlorophenol[95-57-8]	ND	0.33	ug/G	SW8270	04/12/90 16:57 JR
2-Nitrophenol[88-75-5]	ND	0.33	ug/G	SW8270	04/12/90 16:57 JR
2,4-Dimethylphenol[105-67-9]	ND	0.33	ug/G	SW8270	04/12/90 16:57 JR
2,4-Dichlorophenol[120-83-2]	ND	0.33	ug/G	SW8270	04/12/90 16:57 JR
4-Chloro-3-methylphenol[59-50-7]	ND	0.33	ug/G	SW8270	04/12/90 16:57 JR
2,4,6-Trichlorophenol[88-06-2]	ND	0.33	ug/G	SW8270	04/12/90 16:57 JR
2,4-Dinitrophenol[51-28-5]	ND	1.7	ug/G	SW8270	04/12/90 16:57 JR
Nitrophenol[100-02-7]	ND	1.7	ug/G	SW8270	04/12/90 16:57 JR
Methyl-4,6-dinitrophenol[534-52-1]	ND	1.7	ug/G	SW8270	04/12/90 16:57 JR
Pentachlorophenol[87-86-5]	ND	1.7	ug/G	SW8270	04/12/90 16:57 JR
SURROGATE RECOVERY-ACID FRACTION					
2-Fluorophenol (SURROGATE)	17	-----	% REC	SW8270	04/12/90 16:57 JR
Phenol-d6 (SURROGATE)	40	-----	% REC	SW8270	04/12/90 16:57 JR
2,4,6-Tribromophenol (SURROGATE)	11	-----	% REC	SW8270	04/12/90 16:57 JR

Extraction and Analytical Method: USEPA 8270, SW-846

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit.

* Recovery was lower than the normally accepted value of 26.

AR100368



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5622

Respectfully
Submitted:

E-2 10:00
NITRO SANITATION LANDFILL 3103

Sampled by CLIENT
Date Received 03/28/90

Date Sampled 03/27/90

PRIORITY POLLUTANTS-EXTRACTABLE ORGANICS
ACID & BASE/NEUTRAL FRACTIONS
Sonication Extraction
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED	
					DATE/TIME/ANALYST	
N-Nitrosodimethylamine[62-75-9]	ND	1.7	ug/G	SW8270	04/12/90	16:57 JR
Bis(2-chloroethyl) ether[111-44-4]	ND	0.33	ug/G	SW8270	04/12/90	16:57 JR
1,3-Dichlorobenzene[541-73-1]	ND	0.33	ug/G	SW8270	04/12/90	16:57 JR
1,4-Dichlorobenzene[106-46-7]	ND	0.33	ug/G	SW8270	04/12/90	16:57 JR
1,2-Dichlorobenzene[95-50-1]	ND	0.33	ug/G	SW8270	04/12/90	16:57 JR
Bis(2-chloroisopropyl) ether[39638-32-9]	ND	0.33	ug/G	SW8270	04/12/90	16:57 JR
N-Nitrosodi-n-propylamine[621-64-7]	ND	0.67	ug/G	SW8270	04/12/90	16:57 JR
Nitrobenzene[98-95-3]	ND	0.33	ug/G	SW8270	04/12/90	16:57 JR
Hexachloroethane[67-72-1]	ND	0.33	ug/G	SW8270	04/12/90	16:57 JR
Isophorone[78-59-1]	ND	0.33	ug/G	SW8270	04/12/90	16:57 JR
Bis(2-Chloroethoxy)methane[111-91-1]	ND	0.33	ug/G	SW8270	04/12/90	16:57 JR
1,2,4-Trichlorobenzene[120-82-1]	ND	0.33	ug/G	SW8270	04/12/90	16:57 JR
Naphthalene[91-20-3]	ND	0.33	ug/G	SW8270	04/12/90	16:57 JR
Hexachlorobutadiene[37-68-3]	ND	0.33	ug/G	SW8270	04/12/90	16:57 JR
Hexachlorocyclopentadiene[77-47-4]	ND	0.33	ug/G	SW8270	04/12/90	16:57 JR
2-Chloronaphthalene[91-58-7]	ND	0.33	ug/G	SW8270	04/12/90	16:57 JR
Dimethylphthalate[131-11-3]	ND	0.33	ug/G	SW8270	04/12/90	16:57 JR
Acenaphthylene[208-96-8]	ND	0.33	ug/G	SW8270	04/12/90	16:57 JR
Acenaphthene[83-32-9]	ND	0.33	ug/G	SW8270	04/12/90	16:57 JR
2,6-Dinitrotoluene[606-20-2]	ND	0.33	ug/G	SW8270	04/12/90	16:57 JR
2,4-Dinitrotoluene[121-14-2]	ND	0.33	ug/G	SW8270	04/12/90	16:57 JR
Fluorene[86-73-7]	ND	0.33	ug/G	SW8270	04/12/90	16:57 JR
4-Chlorophenylphenylether[7005-72-3]	ND	0.33	ug/G	SW8270	04/12/90	16:57 JR
1,2-Diphenylhydrazine[122-66-7]	ND	0.33	ug/G	SW8270	04/12/90	16:57 JR
Diethylphthalate[84-66-2]	ND	0.33	ug/G	SW8270	04/12/90	16:57 JR
n-Nitrosodiphenylamine[86-30-6]	ND	0.67	ug/G	SW8270	04/12/90	16:57 JR
Hexachlorobenzene[118-74-1]	ND	0.33	ug/G	SW8270	04/12/90	16:57 JR

REF: USEPA; Test Methods For Evaluating Solid Waste; SW-846, 3rd Ed.; Nov, 1986.

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit.

** Approximate value - daily calibration response exceeded the mean RF by greater than 30%

AR100369

1256 GREENBRIER STREET, CHARLESTON, WEST VIRGINIA 25311 — TELEPHONE 304 346-0725

4643 BENSON AVENUE, BALTIMORE, MARYLAND 21227 — TELEPHONE 301 247-7400

CINCINNATI, OHIO AREA — TELEPHONE 513 421-3872 OR 606 344-0084



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5622

Respectfully
Submitted:

3-2 10:00
NITRO SANITATION LANDFILL 3103

Sampled by CLIENT
Date Received 03/28/90

RCM

Date Sampled 03/27/90

PAGE

PRIORITY POLLUTANTS-EXTRACTABLE ORGANICS
ACID & BASE/NEUTRAL FRACTIONS
Sonication Extraction
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED DATE/TIME/ANALYST
4-Bromophenylphenylether[101-55-3]	ND	0.33	ug/G	SW8270	04/12/90 16:57 JR
Benanthranal[85-01-8]	ND	0.33	ug/G	SW8270	04/12/90 16:57 JR
Anthracene[120-12-7]	ND	0.33	ug/G	SW8270	04/12/90 16:57 JR
Di-n-butylphthalate[84-74-2]	ND	0.33	ug/G	SW8270	04/12/90 16:57 JR
Fluoranthene[206-44-0]	0.33	0.33	ug/G	SW8270	04/12/90 16:57 JR
Pyrene[129-00-0]	0.45**	0.33	ug/G	SW8270	04/12/90 16:57 JR
1-Azidina[92-87-5]	ND	1.7	ug/G	SW8270	04/12/90 16:57 JR
Diethylbenzylphthalate[85-68-7]	ND	0.33	ug/G	SW8270	04/12/90 16:57 JR
Bis(2-ethylhexyl)phthalate[117-81-7]	1.7	0.33	ug/G	SW8270	04/12/90 16:57 JR
Chrysene[218-01-9]	ND	0.33	ug/G	SW8270	04/12/90 16:57 JR
Benz(a)anthracene[56-55-3]	ND	0.33	ug/G	SW8270	04/12/90 16:57 JR
3,3'-Dichlorobenzidine[91-94-1]	ND	0.33	ug/G	SW8270	04/12/90 16:57 JR
Di-n-octylphthalate[117-84-0]	ND	0.33	ug/G	SW8270	04/12/90 16:57 JR
Benzo(b)fluoranthene[205-99-2]	ND	0.33	ug/G	SW8270	04/12/90 16:57 JR
Benzo(k)fluoranthene[207-08-9]	ND	0.33	ug/G	SW8270	04/12/90 16:57 JR
Benzo(a)pyrene[50-32-8]	ND	0.33	ug/G	SW8270	04/12/90 16:57 JR
Indeno(1,2,3-cd)pyrene[193-39-5]	ND	0.67	ug/G	SW8270	04/12/90 16:57 JR
Dibenzo(a,h)anthracene[53-78-3]	ND	0.67	ug/G	SW8270	04/12/90 16:57 JR
Benzo(ghi)perylene[191-24-2]	ND	0.67	ug/G	SW8270	04/12/90 16:57 JR
SURROGATE RECOVERY-BASE/NEUTRAL FRACTION					
Nitrobenzene-d5(SURROGATE)	41	-----	x REC	SW8270	04/12/90 16:57 JR
2-Fluorobiphenyl(SURROGATE)	52	-----	x REC	SW8270	04/12/90 16:57 JR
Terphenyl-d14(SURROGATE)	54	-----	x REC	SW8270	04/12/90 16:57 JR

REF: USEPA; Test Methods For Evaluating Solid Waste; SW-846, 3rd Ed.; Nov, 1986.

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit.

** Approximate value - daily calibration response exceeded the mean RF by greater than 30%.

AR100370



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5622

Respectfully
Submitted:

6-2 10:00

Sampled by CLIENT

Date Received 03/28/90

NITRO SANITATION LANDFILL 3103

Date Sampled 03/27/90

RCM

PRIORITY POLLUTANT LIST: VOLATILE ORGANICS
Soil Procedure/Methanol Extraction
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED DATE/TIME/ANALYST
Chloromethane[74-87-3]	ND	0.63	ug/G	SW8240	04/04/90 18:52 DAA
Bromomethane[74-83-9]	ND	0.63	ug/G	SW8240	04/04/90 18:52 DAA
Vinyl Chloride[75-01-4]	ND	0.63	ug/G	SW8240	04/04/90 18:52 DAA
Chloroethane[75-00-3]	ND	0.63	ug/G	SW8240	04/04/90 18:52 DAA
Methylene Chloride[75-09-2]	ND	0.63	ug/G	SW8240	04/04/90 18:52 DAA
1,1-Dichloroethene[75-35-4]	ND	0.63	ug/G	SW8240	04/04/90 18:52 DAA
1,1-Dichloroethane[75-34-3]	ND	0.63	ug/G	SW8240	04/04/90 18:52 DAA
Trans-1,2-Dichloroethene[156-60-5]	ND	0.63	ug/G	SW8240	04/04/90 18:52 DAA
Chloroform[67-66-3]	ND	0.63	ug/G	SW8240	04/04/90 18:52
1,2-Dichloroethane[107-06-2]	ND	0.63	ug/G	SW8240	04/04/90 18:52
1,1,1-Trichloroethane	ND	0.63	ug/G	SW8240	04/04/90 18:52 DAA
Carbon Tetrachloride[56-23-5]	ND	0.63	ug/G	SW8240	04/04/90 18:52 DAA
Bromodichloromethane[75-27-4]	ND	0.63	ug/G	SW8240	04/04/90 18:52 DAA
1,2-Dichloropropane[78-87-5]	ND	0.63	ug/G	SW8240	04/04/90 18:52 DAA
trans-1,3-Dichloropropene[10061-02-6]	ND	0.63	ug/G	SW8240	04/04/90 18:52 DAA
cis-1,3-Dichloropropene[10061-01-5]	ND	0.63	ug/G	SW8240	04/04/90 18:52 DAA
Trichloroethene[79-01-6]	ND	0.63	ug/G	SW8240	04/04/90 18:52 DAA
Dibromochloromethane[124-48-1]	ND	0.63	ug/G	SW8240	04/04/90 18:52 DAA
1,1,2-Trichloroethane[79-00-5]	ND	0.63	ug/G	SW8240	04/04/90 18:52 DAA
2-Chloroethylvinylether[110-75-8]	ND	1.3	ug/G	SW8240	04/04/90 18:52 DAA
Bromoform[75-25-2]	ND	0.63	ug/G	SW8240	04/04/90 18:52 DAA
1,1,2,2-Tetrachloroethane[79-34-5]	ND	0.63	ug/G	SW8240	04/04/90 18:52 DAA
Tetrachloroethene[127-18-4]	ND	0.63	ug/G	SW8240	04/04/90 18:52 DAA
Benzene[71-43-2]	ND	0.63	ug/G	SW8240	04/04/90 18:52 DAA
Toluene[108-88-3]	ND	0.63	ug/G	SW8240	04/04/90 18:52 DAA
Ethylbenzene[100-41-4]	ND	0.63	ug/G	SW8240	04/04/90 18:52 DAA
Chlorobenzene[108-90-7]	ND	0.63	ug/G	SW8240	04/04/90 18:52 DAA
Acrylonitrile[107-13-1]	ND	6.3	ug/G	SW8240	04/04/90 18:52 DAA

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit.

Analytical Method: USEPA 8240, SW-846 (Purge/Trap/Desorb or Direct Injection)

** Recovery was greater than the normally accepted value.

AR100371



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5622

Respectfully
Submitted:

E-2 10:00
NITRO SANITATION LANDFILL S103

Sampled by CLIENT
Date Received 03/28/90

RCM

Date Sampled 03/27/90

PAGE

PRIORITY POLLUTANT LIST: VOLATILE ORGANICS
Soil Procedure/Methanol Extraction
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED DATE/TIME/ANALYST
Acrolein[107-02-61] SURROGATE RECOVERY-VOLATILE FRACTION	ND	6.3	ug/G	SW8240	04/04/90 18:52 DAA
1,2-Dichloroethane-d4(SURROGATE)	108	-----	x REC	SW8240	04/04/90 18:52 DAA
Toluene-d8(SURROGATE)	110	-----	x REC	SW8240	04/04/90 18:52 DAA
Bromofluorobenzene(SURROGATE)	125	-----	x REC	SW8240	04/04/90 18:52 DAA

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit.

Analytical Methods: USEPA 8240, SW-846 (Purge/Trap/Desorb or Direct Injection)

** Recovery was greater than the normally accepted value.

AR100372



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

W.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5623

Respectfully
Submitted:

3-3 10:20

NITRO SANITATION LANDFILL 3103

Sampled by CLIENT

Date Received 03/28/90

Date Sampled 03/27/90

PRIORITY POLLUTANTS: ACID EXTRACTABLES FRACTION
Soil Procedure/Sonication Extraction
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED DATE/TIME/ANALYST
Phenol[130-95-33]	ND	0.33	ug/G	SW8270	04/12/90 17:53 JR
2-Chlorophenol[105-57-81]	ND	0.33	ug/G	SW8270	04/12/90 17:53 JR
3-Nitrophenol[108-73-51]	ND	0.33	ug/G	SW8270	04/12/90 17:53 JR
2,4-Dimethylphenol[105-67-91]	ND	0.33	ug/G	SW8270	04/12/90 17:53 JR
2,4-Dichlorophenol[120-33-21]	ND	0.33	ug/G	SW8270	04/12/90 17:53 JR
4-Chloro-3-methylphenol[159-50-71]	ND	0.33	ug/G	SW8270	04/12/90 17:53 JR
2,4,6-Trichlorophenol[138-06-21]	ND	0.33	ug/G	SW8270	04/12/90 17:53 JR
2,4-Dinitrophenol[51-28-51]	ND	1.7	ug/G	SW8270	04/12/90 17:53 JR
4-Nitrophenol[100-02-71]	ND	1.7	ug/G	SW8270	04/12/90 17:53 JR
2-Methyl-4,6-dinitrophenol[534-52-11]	ND	1.7	ug/G	SW8270	04/12/90 17:53 JR
Pentachlorophenol[187-36-53]	ND	1.7	ug/G	SW8270	04/12/90 17:53 JR
SURROGATE RECOVERY-ACID FRACTION					
2-Fluorophenol (SURROGATE)	15	-----	X REC	SW8270	04/12/90 17:53 JR *
Phenol-d6 (SURROGATE)	30	-----	X REC	SW8270	04/12/90 17:53 JR
2,4,6-Tribromophenol (SURROGATE)	11	-----	X REC	SW8270	04/12/90 17:53 JR

Extraction and Analytical Method: USEPA 8270, SW-846

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit.

* Recovery was lower than the normally accepted value of 26.

AR100373



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5623

Respectfully
Submitted:

B-3 10:20
NITRO SANITATION LANDFILL 3103

Sampled by CLIENT
Date Received 03/28/90

Date Sampled 03/27/90

PRIORITY POLLUTANTS-EXTRACTABLE ORGANICS
ACID & BASE/NEUTRAL FRACTIONS
Sonication Extraction
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED DATE/TIME/ANALYST
N-Nitrosodimethylamine[62-73-9]	ND	1.7	ug/G	SW8270	04/12/90 17:53 JR
Bis(2-chloroethyl) ether[111-44-4]	ND	0.33	ug/G	SW8270	04/12/90 17:53 JR
1,3-Dichlorobenzene[541-73-1]	ND	0.33	ug/G	SW8270	04/12/90 17:53 JR
1,4-Dichlorobenzene[106-46-7]	ND	0.33	ug/G	SW8270	04/12/90 17:53 JR
1,2-Dichlorobenzene[95-50-1]	ND	0.33	ug/G	SW8270	04/12/90 17:53 JR
Bis(2-chloroisopropyl) ether[39638-32-9]	ND	0.33	ug/G	SW8270	04/12/90 17:53 JR
Nitrosodi-n-propylamine[621-64-7]	ND	0.67	ug/G	SW8270	04/12/90 17:53 JR
Chlorobenzene[98-95-3]	ND	0.33	ug/G	SW8270	04/12/90 17:53 JR
Hexachloroethane[67-72-1]	ND	0.33	ug/G	SW8270	04/12/90 17:53 JR
Isopnone[78-59-1]	ND	0.33	ug/G	SW8270	04/12/90 17:53 JR
Bis(2-Chloroethoxy)methane[111-91-1]	ND	0.33	ug/G	SW8270	04/12/90 17:53 JR
1,2,4-Trichlorobenzene[120-32-1]	ND	0.33	ug/G	SW8270	04/12/90 17:53 JR
Naphthalene[91-20-3]	ND	0.33	ug/G	SW8270	04/12/90 17:53 JR
Hexachlorobutadiene[87-68-3]	ND	0.33	ug/G	SW8270	04/12/90 17:53 JR
Hexachlorocyclopentadiene[77-47-4]	ND	0.33	ug/G	SW8270	04/12/90 17:53 JR
2-Chloronaphthalene[91-58-7]	ND	0.33	ug/G	SW8270	04/12/90 17:53 JR
Dimethylphthalate[131-11-3]	ND	0.33	ug/G	SW8270	04/12/90 17:53 JR
Acenaphthylene[208-96-8]	0.36	0.33	ug/G	SW8270	04/12/90 17:53 JR
Acenaphthene[83-32-9]	ND	0.33	ug/G	SW8270	04/12/90 17:53 JR
2,6-Dinitrotoluene[606-20-2]	ND	0.33	ug/G	SW8270	04/12/90 17:53 JR
2,4-Dinitrotoluene[121-14-2]	ND	0.33	ug/G	SW8270	04/12/90 17:53 JR
Fluorene[86-73-7]	0.78	0.33	ug/G	SW8270	04/12/90 17:53 JR
4-Chlorophenylphenylether[7005-72-3]	ND	0.33	ug/G	SW8270	04/12/90 17:53 JR
1,2-Diphenylhydrazine[122-66-7]	ND	0.33	ug/G	SW8270	04/12/90 17:53 JR
Diethylphthalate[84-66-2]	ND	0.33	ug/G	SW8270	04/12/90 17:53 JR
n-Nitrosodiphenylamine[86-30-6]	ND	0.67	ug/G	SW8270	04/12/90 17:53 JR
Hexachlorobenzene[118-74-1]	ND	0.33	ug/G	SW8270	04/12/90 17:53 JR

REF: USEPA; Test Methods For Evaluating Solid Waste; SW-846, 3rd Ed.; Nov, 1986.

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit.

AR100374

Estimated value, daily calibration response exceeded the initial RF by more than 30%.



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5623

Respectfully
Submitted:

3-3 10:20
NITRO SANITATION LANDFILL 0103

Sampled by CLIENT
Date Received 03/28/90

RCM

Date Sampled 03/27/90

PAGE

PRIORITY POLLUTANTS-EXTRACTABLE ORGANICS
ACID & BASE/NEUTRAL FRACTIONS
Sonication Extraction
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED DATE/TIME/ANALYST
4-Bromophenylphenylether[101-55-3]	ND	0.33	ug/G	SW8270	04/12/90 17:53 JR
Phenanthrene[85-01-8]	3.6	0.33	ug/G	SW8270	04/12/90 17:53 JR
Anthracene[120-12-7]	1.1	0.33	ug/G	SW8270	04/12/90 17:53 JR
Di-n-butylphthalate[84-74-2]	ND	0.33	ug/G	SW8270	04/12/90 17:53 JR
Fluoranthene[206-44-0]	3.3	0.33	ug/G	SW8270	04/12/90 17:53 JR
Pyrene[129-00-0]	3.5*	0.33	ug/G	SW8270	04/12/90 17:53 JR
Benzydine[92-87-5]	ND	1.7	ug/G	SW8270	04/12/90 17:53 JR
Butylbenzylphthalate[85-68-7]	ND	0.33	ug/G	SW8270	04/12/90 17:53 JR
Bis(2-ethylhexyl)phthalate[117-81-7]	1.0	0.33	ug/G	SW8270	04/12/90 17:53 JR
Chrysene[218-01-9]	2.0	0.33	ug/G	SW8270	04/12/90 17:53 JR
Benzo(a)anthracene[56-55-3]	2.3	0.33	ug/G	SW8270	04/12/90 17:53 JR
3,3'-Dichlorobenzidine[91-94-1]	ND	0.33	ug/G	SW8270	04/12/90 17:53 JR
Di-n-octylphthalate[117-84-0]	ND	0.33	ug/G	SW8270	04/12/90 17:53 JR
Benzo(b)fluoranthene[205-99-2]	3.0	0.33	ug/G	SW8270	04/12/90 17:53 JR
Benzo(k)fluoranthene[207-98-9]	ND	0.33	ug/G	SW8270	04/12/90 17:53 JR
Benzo(a)pyrene[50-32-8]	2.1	0.33	ug/G	SW8270	04/12/90 17:53 JR
Indeno(1,2,3-cd)pyrene[193-39-5]	1.1	0.67	ug/G	SW8270	04/12/90 17:53 JR
Dibenzo(a,h)anthracene[53-70-3]	ND	0.67	ug/G	SW8270	04/12/90 17:53 JR
Benzo(ghi)perylene[121-24-2]	1.0	0.67	ug/G	SW8270	04/12/90 17:53 JR
SURROGATE RECOVERY- ACID/BASE/NEUTRAL FRACTION					
Nitrobenzene-d5(SURROGATE)	41	-----	X REC	SW8270	04/12/90 17:53 JR
2-Fluorobiphenyl(SURROGATE)	48	-----	X REC	SW8270	04/12/90 17:53 JR
Terphenyl-d14(SURROGATE)	31	-----	X REC	SW8270	04/12/90 17:53 JR

REF: USEPA; Test Methods For Evaluating Solid Waste; SW-846, 3rd Ed.; Nov, 1986.

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit.

* Estimated value, daily calibration response exceeded the initial RF by more than 30%.

AR100375



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5623

Respectfully
Submitted:

3-3 10:20

Sampled by CLIENT

NITRO SANITATION LANDFILL 3103

Date Received 03/28/90

RCM

Date Sampled 03/27/90

PRIORITY POLLUTANT LIST: VOLATILE ORGANICS
Soil Procedure/Methanol Extraction
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED DATE/TIME/ANALYST
Chloromethane[74-87-3]	ND	0.63	ug/G	SW8240	04/04/90 19:36 DAA
Bromomethane[74-83-9]	ND	0.63	ug/G	SW8240	04/04/90 19:36 DAA
Vinyl Chloride[75-01-4]	ND	0.63	ug/G	SW8240	04/04/90 19:36 DAA
Chloroethane[75-00-3]	ND	0.63	ug/G	SW8240	04/04/90 19:36 DAA
Ethylene Chloride[75-09-2]	ND	0.63	ug/G	SW8240	04/04/90 19:36 DAA
1,1-Dichloroethene[75-35-4]	ND	0.63	ug/G	SW8240	04/04/90 19:36 DAA
1,1-Dichloroethane[75-34-3]	ND	0.63	ug/G	SW8240	04/04/90 19:36 DAA
trans-1,2-Dichloroethene[156-60-5]	ND	0.63	ug/G	SW8240	04/04/90 19:36 DAA
Chloroform[67-66-3]	ND	0.63	ug/G	SW8240	04/04/90 19:36 DAA
1,2-Dichloroethane[107-06-2]	ND	0.63	ug/G	SW8240	04/04/90 19:36 DAA
1,1,1-Trichloroethane	ND	0.63	ug/G	SW8240	04/04/90 19:36 DAA
Carbon Tetrachloride[56-23-5]	ND	0.63	ug/G	SW8240	04/04/90 19:36 DAA
Bromodichloromethane[75-27-4]	ND	0.63	ug/G	SW8240	04/04/90 19:36 DAA
1,2-Dichloropropane[78-87-5]	ND	0.63	ug/G	SW8240	04/04/90 19:36 DAA
trans-1,3-Dichloropropene[10061-02-6]	ND	0.63	ug/G	SW8240	04/04/90 19:36 DAA
cis-1,3-Dichloropropene[10061-01-5]	ND	0.63	ug/G	SW8240	04/04/90 19:36 DAA
Trichloroethene[79-01-6]	ND	0.63	ug/G	SW8240	04/04/90 19:36 DAA
Dibromochloromethane[124-48-1]	ND	0.63	ug/G	SW8240	04/04/90 19:36 DAA
1,1,2-Trichloroethane[79-00-5]	ND	0.63	ug/G	SW8240	04/04/90 19:36 DAA
2-Chloroethylvinylether[110-75-8]	ND	1.3	ug/G	SW8240	04/04/90 19:36 DAA
Bromoform[75-25-2]	ND	0.63	ug/G	SW8240	04/04/90 19:36 DAA
1,1,2,2-Tetrachloroethane[79-34-5]	ND	0.63	ug/G	SW8240	04/04/90 19:36 DAA
Tetrachloroethane[127-18-4]	ND	0.63	ug/G	SW8240	04/04/90 19:36 DAA
Benzene[71-43-2]	ND	0.63	ug/G	SW8240	04/04/90 19:36 DAA
Toluene[108-88-3]	ND	0.63	ug/G	SW8240	04/04/90 19:36 DAA
Ethylbenzene[100-41-4]	ND	0.63	ug/G	SW8240	04/04/90 19:36 DAA
Chlorobenzene[108-90-7]	ND	0.63	ug/G	SW8240	04/04/90 19:36 DAA
Acrylonitrile[107-13-1]	ND	6.3	ug/G	SW8240	04/04/90 19:36 DAA
Acrolein[107-02-8]	ND	6.3	ug/G	SW8240	04/04/90 19:36 DAA

SURROGATE RECOVERY-VOLATILE FRACTION

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit.

Analytical Method: USEPA 8240, SW-846 (Purge/Trap/Desorb or Direct Injection)

AR100376



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5623

Respectfully
Submitted:

S-3 10:20
NITRO SANITATION LANDFILL 3193

Sampled by CLIENT
Date Received 03/28/90

RCMT

Date Sampled 03/27/90

PAGE

PRIORITY POLLUTANT LIST: VOLATILE ORGANICS
Soil Procedure/Methanol Extraction
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED DATE/TIME/ANALYST
1,2-Dichloroethane-d4 (SURROGATE)	106	-----	X REC	SW8240	04/04/90 19:36 DAA
Toluene-d8 (SURROGATE)	110	-----	X REC	SW8240	04/04/90 19:36 DAA
Bromofluorobenzene (SURROGATE)	122	-----	X REC	SW8240	04/04/90 19:36 DAA

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit.

Analytical Method: USEPA 8240, SW-846 (Purge/Trap/Desorb or Direct Injection)

AR100377



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5624

Respectfully
Submitted:

S-4 10:45

Sampled by CLIENT

NITRO SANITATION LANDFILL 3103

Date Received 03/28/90

RCM

Date Sampled 03/27/90

PRIORITY POLLUTANTS: ACID EXTRACTABLES FRACTION
Soil Procedure/Sonication Extraction
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED DATE/TIME/ANALYST
Phenol[108-95-2]	ND	0.33	ug/G	SW8270	04/10/90 16:58 JR
2-Chlorophenol[95-57-8]	ND	0.33	ug/G	SW8270	04/10/90 16:58 JR
3-Nitrophenol[88-73-5]	ND	0.33	ug/G	SW8270	04/10/90 16:58 JR
2,4-Dimethylphenol[105-67-9]	ND	0.33	ug/G	SW8270	04/10/90 16:58 JR
2,4-Dichlorophenol[120-83-2]	ND	0.33	ug/G	SW8270	04/10/90 16:58 JR
4-Chloro-3-methylphenol[59-50-7]	ND	0.33	ug/G	SW8270	04/10/90 16:58 JR
2,4,6-Trichlorophenol[88-06-2]	ND	0.33	ug/G	SW8270	04/10/90 16:58 JR
2,4-Dinitrophenol[51-28-5]	ND	1.7	ug/G	SW8270	04/10/90 16:58 JR
3-Nitrophenol[100-02-7]	ND	1.7	ug/G	SW8270	04/10/90 16:58 JR
2,4,6-Trinitrophenol[534-52-1]	ND	1.7	ug/G	SW8270	04/10/90 16:58 JR
Pentachlorophenol[87-86-5]	ND	1.7	ug/G	SW8270	04/10/90 16:58 JR
SURROGATE RECOVERY-ACID FRACTION					
2-Fluorophenol (SURROGATE)	24	-----	% REC	SW8270	04/10/90 16:58 JR *
Phenol-d6 (SURROGATE)	47	-----	% REC	SW8270	04/10/90 16:58 JR
2,4,6-Tribromophenol (SURROGATE)	16	-----	% REC	SW8270	04/10/90 16:58 JR

Extraction and Analytical Method: USEPA 8270, SW-846

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit.

* Recovery was lower than the normally accepted value of 26.

AR100378



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

A.F. Weston-Cherry Hill, NJ/Murpny, Marion

Laboratory Number K5624

Respectfully
Submitted:

3-4 10:45

Sampled by CLIENT

Date Received 03/28/90

NITRO SANITATION LANDFILL 3103

R C Myg

Date Sampled 03/27/90

PRIORITY POLLUTANTS-EXTRACTABLE ORGANICS
ACID & BASE/NEUTRAL FRACTIONS
Sonication Extraction
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED DATE/TIME/ANALYST
N-Nitrosodimethylamine[62-73-9]	ND	1.7	ug/G	SW8270	04/10/90 16:58 JR
Bis(2-chloroethyl) ether[111-44-4]	ND	0.33	ug/G	SW8270	04/10/90 16:58 JR
1,3-Dichlorobenzene[341-73-1]	ND	0.33	ug/G	SW8270	04/10/90 16:58 JR
1,4-Dichlorobenzene[106-46-7]	ND	0.33	ug/G	SW8270	04/10/90 16:58 JR
1,2-Dichlorobenzene[95-50-1]	ND	0.33	ug/G	SW8270	04/10/90 16:58 JR
Bis(2-chloroisopropyl) ether[39638-32-9]	ND	0.33	ug/G	SW8270	04/10/90 16:58 JR
N-Nitrosodi-n-propylamine[621-64-7]	ND	0.67	ug/G	SW8270	04/10/90 16:58 JR
Nitrobenzene[98-95-3]	ND	0.33	ug/G	SW8270	04/10/90 16:58 JR
Hexachloroethane[67-72-1]	ND	0.33	ug/G	SW8270	04/10/90 16:58 JR
Isophorone[78-59-1]	ND	0.33	ug/G	SW8270	04/10/90 16:58 JR
Bis(2-Chloroethoxy) methane[111-91-1]	ND	0.33	ug/G	SW8270	04/10/90 16:58 JR
1,2,4-Trichlorobenzene[120-82-1]	ND	0.33	ug/G	SW8270	04/10/90 16:58 JR
Naphthalene[91-20-3]	ND	0.33	ug/G	SW8270	04/10/90 16:58 JR
Hexachlorobutadiene[87-68-3]	ND	0.33	ug/G	SW8270	04/10/90 16:58 JR
Hexachlorocyclopentadiene[77-47-4]	ND	0.33	ug/G	SW8270	04/10/90 16:58 JR
2-Chloronaphthalene[91-59-7]	ND	0.33	ug/G	SW8270	04/10/90 16:58 JR
Dimethylphthalate[131-11-3]	ND	0.33	ug/G	SW8270	04/10/90 16:58 JR
Acenaphthylene[208-96-8]	ND	0.33	ug/G	SW8270	04/10/90 16:58 JR
Acenaphthene[63-32-9]	ND	0.33	ug/G	SW8270	04/10/90 16:58 JR
2,6-Dinitrotoluene[606-20-2]	ND	0.33	ug/G	SW8270	04/10/90 16:58 JR
2,4-Dinitrotoluene[121-14-2]	ND	0.33	ug/G	SW8270	04/10/90 16:58 JR
Fluorene[86-73-7]	ND	0.33	ug/G	SW8270	04/10/90 16:58 JR
4-Chlorophenylphenylether[7005-72-3]	ND	0.33	ug/G	SW8270	04/10/90 16:58 JR
1,2-Diphenylhydrazine[122-66-7]	ND	0.33	ug/G	SW8270	04/10/90 16:58 JR
Diethylphthalate[84-66-2]	ND	0.33	ug/G	SW8270	04/10/90 16:58 JR
n-Nitrosodiphenylamine[86-30-6]	ND	0.67	ug/G	SW8270	04/10/90 16:58 JR
Hexachlorobenzene[118-74-1]	ND	0.33	ug/G	SW8270	04/10/90 16:58 JR
4-Bromophenylphenylether[101-55-3]	ND	0.33	ug/G	SW8270	04/10/90 16:58 JR
Phenanthrene[85-01-8]	ND	0.33	ug/G	SW8270	04/10/90 16:58 JR

REF: USEPA; Test Methods For Evaluating Solid Waste; SW-846, 3rd Ed.; Nov, 1986.

AR100379

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5628

Respectfully
Submitted:

5-8 18:15

NITRO SANITATION LANDFILL 3103

Sampled by CLIENT

Date Received 03/28/90

RCM

Date Sampled 03/27/90

PAGE

PRIORITY POLLUTANT LIST: VOLATILE ORGANICS
Soil Procedure/Methanol Extraction
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED DATE/TIME/ANALYST
1,2-Dichloroethane-d4 (SURROGATE)	71	-----	X REC	SW8240	04/10/90 18:32 DAA
Toluene-d3 (SURROGATE)	69	-----	X REC	SW8240	04/10/90 18:32 DAA
Bromofluorobenzene (SURROGATE)	88	-----	X REC	SW8240	04/10/90 18:32 DAA

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit.

Analytical Methods: USEPA 8240, SW-846 (Purge/Trap/Desorb or Direct Injection) **AR 100380**

1256 GREENBRIER STREET, CHARLESTON, WEST VIRGINIA 25311 — TELEPHONE 304 346-0725

4643 BENSON AVENUE, BALTIMORE, MARYLAND 21227 — TELEPHONE 301 247-7400

CINCINNATI, OHIO — TELEPHONE 513 421-3072 OR 606 344-0084



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5629

Respectfully
Submitted:

6-9 10:45
NITRO SANITATION LANDFILL 3103

Sampled by CLIENT
Date Received 03/28/90

Date Sampled 03/27/90

PRIORITY POLLUTANTS: ACID EXTRACTABLES FRACTION
Soil Procedure/Sonication Extraction
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED		
					DATE/TIME/ANALYST		
Phenol[198-95-2]	ND	0.33	ug/G	SW8270	04/11/90	21:20	JR
2-Chlorophenol[95-57-8]	ND	0.33	ug/G	SW8270	04/11/90	21:20	JR
2-Nitrophenol[88-75-5]	ND	0.33	ug/G	SW8270	04/11/90	21:20	JR
2,4-Dimethylphenol[105-67-9]	ND	0.33	ug/G	SW8270	04/11/90	21:20	JR
2,4-Dichlorophenol[120-83-2]	ND	0.33	ug/G	SW8270	04/11/90	21:20	JR
4-Chloro-3-methylphenol[59-50-7]	ND	0.33	ug/G	SW8270	04/11/90	21:20	JR
2,4,6-Trichlorophenol[88-06-2]	ND	0.33	ug/G	SW8270	04/11/90	21:20	JR
2,4-Dinitrophenol[51-28-5]	ND	1.7	ug/G	SW8270	04/11/90	21:20	JR
4-Nitrophenol[100-02-7]	ND	1.7	ug/G	SW8270	04/11/90	21:20	JR
2-Methyl-4,6-dinitrophenol[534-52-1]	ND	1.7	ug/G	SW8270	04/11/90	21:20	JR
Pentachlorophenol[87-86-5]	ND	1.7	ug/G	SW8270	04/11/90	21:20	JR
SURROGATE RECOVERY-ACID FRACTION							
2-Fluorophenol (SURROGATE)	47	-----	x REC	SW8270	04/11/90	21:20	JR
Phenol-d6 (SURROGATE)	35	-----	x REC	SW8270	04/11/90	21:20	JR
2,4,6-Tribromophenol (SURROGATE)	32	-----	x REC	SW8270	04/11/90	21:20	JR

Extraction and Analytical Methods: USEPA 8270, SW-846

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit

AR 100301



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5629

Respectfully Submitted:

3-9 10:45
NITRO SANITATION LANDFILL 3103

Sampled by CLIENT
Date Received 03/28/90

Date Sampled 03/27/90

PRIORITY POLLUTANTS-EXTRACTABLE ORGANICS
ACID & BASE/NEUTRAL FRACTIONS
Sonication Extraction
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED DATE/TIME/ANALYST
N-Nitrosodimethylamine[62-75-9]	ND	1.7	ug/G	SW8270	04/11/90 21:20 JR
Bis(2-chloroethyl) ether[111-44-4]	ND	0.33	ug/G	SW8270	04/11/90 21:20 JR
1,3-Dichlorobenzene[541-73-1]	ND	0.33	ug/G	SW8270	04/11/90 21:20 JR
1,4-Dichlorobenzene[106-46-7]	ND	0.33	ug/G	SW8270	04/11/90 21:20 JR
1,2-Dichlorobenzene[95-50-1]	ND	0.33	ug/G	SW8270	04/11/90 21:20 JR
Bis(2-chloroisopropyl) ether[39638-32-9]	ND	0.33	ug/G	SW8270	04/11/90 21:20 JR
Nitrosodi-n-propylamine[621-64-7]	ND	0.67	ug/G	SW8270	04/11/90 21:20 JR
1,2-Dichlorobenzene[98-95-3]	ND	0.33	ug/G	SW8270	04/11/90 21:20 JR
Hexachloroethane[67-72-1]	ND	0.33	ug/G	SW8270	04/11/90 21:20 JR
Isophorone[78-59-1]	ND	0.33	ug/G	SW8270	04/11/90 21:20 JR
Bis(2-Chloroethoxy)methane[111-91-1]	ND	0.33	ug/G	SW8270	04/11/90 21:20 JR
1,2,4-Trichlorobenzene[120-82-1]	ND	0.33	ug/G	SW8270	04/11/90 21:20 JR
Naphthalene[91-20-3]	ND	0.33	ug/G	SW8270	04/11/90 21:20 JR
Hexachlorobutadiene[87-68-3]	ND	0.33	ug/G	SW8270	04/11/90 21:20 JR
Hexachlorocyclopentadiene[77-47-4]	ND	0.33	ug/G	SW8270	04/11/90 21:20 JR
2-Chloronaphthalene[91-58-7]	ND	0.33	ug/G	SW8270	04/11/90 21:20 JR
Dimethylphthalate[131-11-3]	ND	0.33	ug/G	SW8270	04/11/90 21:20 JR
Acenaphthylene[208-96-8]	ND	0.33	ug/G	SW8270	04/11/90 21:20 JR
Acenaphthene[83-32-9]	ND	0.33	ug/G	SW8270	04/11/90 21:20 JR
2,6-Dinitrotoluene[606-20-2]	ND	0.33	ug/G	SW8270	04/11/90 21:20 JR
2,4-Dinitrotoluene[121-14-2]	ND	0.33	ug/G	SW8270	04/11/90 21:20 JR
Fluorene[86-73-7]	ND	0.33	ug/G	SW8270	04/11/90 21:20 JR
4-Chlorophenylphenylether[7005-72-3]	ND	0.33	ug/G	SW8270	04/11/90 21:20 JR
1,2-Diphenylhydrazine[122-66-7]	ND	0.33	ug/G	SW8270	04/11/90 21:20 JR
Diethylphthalate[84-66-2]	ND	0.33	ug/G	SW8270	04/11/90 21:20 JR
n-Nitrosodiphenylamine[86-30-6]	ND	0.67	ug/G	SW8270	04/11/90 21:20 JR
Hexachlorobenzene[118-74-1]	ND	0.33	ug/G	SW8270	04/11/90 21:20 JR

REF: USEPA; Test Methods For Evaluating Solid Waste; SW-846, 3rd Ed.; Nov, 1986.

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit.

Estimated value, daily calibration response exceeded the initial RF by more than 30%. **AR 100382**

1256 GREENBRIER STREET, CHARLESTON, WEST VIRGINIA 25311 — TELEPHONE 304 346-0725

4643 BENSON AVENUE, BALTIMORE, MARYLAND 21227 — TELEPHONE 301 247-7400

CINCINNATI, OHIO AREA — TELEPHONE 513 421-3872 OR 606 344-0084



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, HJ/Murphy, Marion

Laboratory Number K5629

Respectfully Submitted:

3-9 10:45
NITRO SANITATION LANDFILL 3103

Sampled by CLIENT
Date Received 03/28/90

Date Sampled 03/27/90

PAGE 2

PRIORITY POLLUTANTS-EXTRACTABLE ORGANICS
ACID & BASE/NEUTRAL FRACTIONS
Sonication Extraction
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED DATE/TIME/ANALYST
4-Bromophenylphenylether[101-55-3]	ND	0.33	ug/G	SW8270	04/11/90 21:20 JR
Benanthrene[35-01-3]	0.68	0.33	ug/G	SW8270	04/11/90 21:20 JR
Anthracene[120-12-7]	ND	0.33	ug/G	SW8270	04/11/90 21:20 JR
Di-n-butylphthalate[84-74-2]	ND	0.33	ug/G	SW8270	04/11/90 21:20 JR
Fluoranthene[206-44-0]	0.78	0.33	ug/G	SW8270	04/11/90 21:20 JR
Pyrene[129-00-0]	1.1*	0.33	ug/G	SW8270	04/11/90 21:20 J
Benzidine[92-87-3]	ND	1.7	ug/G	SW8270	04/11/90 21:20 J
Butylbenzylphthalate[85-68-7]	ND	0.33	ug/G	SW8270	04/11/90 21:20 JR
Bis(2-ethylhexyl)phthalate[117-81-7]	0.60	0.33	ug/G	SW8270	04/11/90 21:20 JR
Chrysene[218-01-9]	0.37	0.33	ug/G	SW8270	04/11/90 21:20 JR
Benz(a)anthracene[56-55-3]	ND	0.33	ug/G	SW8270	04/11/90 21:20 JR
3,3'-Dichlorobenzidine[91-94-1]	ND	0.33	ug/G	SW8270	04/11/90 21:20 JR
Di-n-octylphthalate[117-84-0]	ND	0.33	ug/G	SW8270	04/11/90 21:20 JR
Benzo(b)fluoranthene[205-99-2]	0.69	0.33	ug/G	SW8270	04/11/90 21:20 JR
Benzo(k)fluoranthene[207-08-9]	ND	0.33	ug/G	SW8270	04/11/90 21:20 JR
Benzo(a)pyrene[50-32-8]	0.36	0.33	ug/G	SW8270	04/11/90 21:20 JR
Indeno(1,2,3-cd)pyrene[193-39-5]	ND	0.67	ug/G	SW8270	04/11/90 21:20 JR
Dibenzo(a,n)anthracene[53-70-3]	ND	0.67	ug/G	SW8270	04/11/90 21:20 JR
Benzo(ghi)perylene[191-24-2]	ND	0.67	ug/G	SW8270	04/11/90 21:20 JR
SURROGATE RECOVERY-BASE/NEUTRAL FRACTION					
Nitrobenzene-d5(SURROGATE)	84	-----	X REC	SW8270	04/11/90 21:20 JR
2-Fluorobiphenyl(SURROGATE)	37	-----	X REC	SW8270	04/11/90 21:20 JR
Terphenyl-d14(SURROGATE)	72	-----	X REC	SW8270	04/11/90 21:20 JR

REF: USEPA; Test Methods For Evaluating Solid Waste; SW-846, 3rd Ed.; Nov, 1986.

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit.

* Estimated value, daily calibration response exceeded the initial RF by more than 30%.

AR100383



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5629

Respectfully
Submitted:

5-9 18:45
NITRO SANITATION LANDFILL 3183

Sampled by CLIENT
Date Received 03/28/90

RCM

Date Sampled 03/27/90

PRIORITY POLLUTANT LIST: VOLATILE ORGANICS
Soil Procedure/Methanol Extraction
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED DATE/TIME/ANALYST
Chloromethane[74-87-3]	ND	0.63	ug/G	SW8240	04/10/90 19:12 DAA
Bromomethane[74-83-9]	ND	0.63	ug/G	SW8240	04/10/90 19:12 DAA
Vinyl Chloride[75-01-4]	ND	0.63	ug/G	SW8240	04/10/90 19:12 DAA
Chloroethane[75-00-3]	ND	0.63	ug/G	SW8240	04/10/90 19:12 DAA
Methylene Chloride[75-09-2]	ND	0.63	ug/G	SW8240	04/10/90 19:12 DAA
1,1-Dichloroethene[75-35-4]	ND	0.63	ug/G	SW8240	04/10/90 19:12 DAA
1,1-Dichloroethane[75-34-3]	ND	0.63	ug/G	SW8240	04/10/90 19:12 DAA
trans-1,2-Dichloroethane[156-60-5]	ND	0.63	ug/G	SW8240	04/10/90 19:12 DAA
Chloroform[67-66-3]	ND	0.63	ug/G	SW8240	04/10/90 19:12 DAA
1,2-Dichloroethane[107-06-2]	ND	0.63	ug/G	SW8240	04/10/90 19:12 DAA
1,1,1-Trichloroethane	ND	0.63	ug/G	SW8240	04/10/90 19:12 DAA
Carbon Tetrachloride[56-23-5]	ND	0.63	ug/G	SW8240	04/10/90 19:12 DAA
Bromodichloromethane[75-27-4]	ND	0.63	ug/G	SW8240	04/10/90 19:12 DAA
1,2-Dichloropropane[78-87-5]	ND	0.63	ug/G	SW8240	04/10/90 19:12 DAA
trans-1,3-Dichloropropene[10061-02-6]	ND	0.63	ug/G	SW8240	04/10/90 19:12 DAA
cis-1,3-Dichloropropene[10061-01-5]	ND	0.63	ug/G	SW8240	04/10/90 19:12 DAA
Trichloroethene[79-01-6]	ND	0.63	ug/G	SW8240	04/10/90 19:12 DAA
Dibromochloromethane[124-48-1]	ND	0.63	ug/G	SW8240	04/10/90 19:12 DAA
1,1,2-Trichloroethane[79-00-5]	ND	0.63	ug/G	SW8240	04/10/90 19:12 DAA
2-Chloroethylvinylether[110-75-8]	ND	1.3	ug/G	SW8240	04/10/90 19:12 DAA
Bromoform[75-25-2]	ND	0.63	ug/G	SW8240	04/10/90 19:12 DAA
1,1,2,2-Tetrachloroethane[79-34-5]	ND	0.63	ug/G	SW8240	04/10/90 19:12 DAA
Tetrachloroethene[127-18-4]	ND	0.63	ug/G	SW8240	04/10/90 19:12 DAA
Benzene[71-43-2]	ND	0.63	ug/G	SW8240	04/10/90 19:12 DAA
Toluene[108-88-3]	ND	3.63	ug/G	SW8240	04/10/90 19:12 DAA
Ethylbenzene[100-41-4]	ND	0.63	ug/G	SW8240	04/10/90 19:12 DAA
Chlorobenzene[108-90-7]	ND	0.63	ug/G	SW8240	04/10/90 19:12 DAA
Acrylonitrile[107-13-1]	ND	6.3	ug/G	SW8240	04/10/90 19:12 DAA
Acrolein[107-02-8]	ND	6.3	ug/G	SW8240	04/10/90 19:12 DAA

SURROGATE RECOVERY-VOLATILE FRACTION

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit.

Typical Method: USEPA 8240, SW-846 (Purge/Trap/Desorb or Direct Injection)

AR100384



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

A.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5629

Respectfully
Submitted:

S-9 13:45
NITRO SANITATION LANDFILL 3103

Sampled by CLIENT
Date Received 03/28/90

RC [Signature]

Date Sampled 03/27/90

PAGE

PRIORITY POLLUTANT LIST: VOLATILE ORGANICS
Soil Procedure/Methanol Extraction
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED		
					DATE/TIME/ANALYST		
1,2-Dichloroethane-d4 (SURROGATE)	77	-----	X REC	SW8240	04/10/90	19:12 DAA	
Toluene-d8 (SURROGATE)	77	-----	X REC	SW8240	04/10/90	19:12 DAA	
Bromofluorobenzene (SURROGATE)	100	-----	X REC	SW8240	04/10/90	19:12 DAA	

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit.

Analytical Method: USEPA 8240, SW-846 (Purge/Trap/Desorb or Direct Injection)

AR100385



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5630

Respectfully
Submitted:

UV-1 8:50

NITRO SANITATION LANDFILL 3103

Sampled by CLIENT

Date Received 03/28/90

RCM

Date Sampled 03/28/90

PRIORITY POLLUTANTS: ACID EXTRACTABLES FRACTION
Soil Procedure/Sonication Extraction
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED DATE/TIME/ANALYST
Phenol[133-95-2]	ND	0.33	ug/G	SW8270	04/10/90 19:43 JR
2-Chlorophenol[95-57-8]	ND	0.33	ug/G	SW8270	04/10/90 19:43 JR
2-Nitrophenol[88-75-5]	ND	0.33	ug/G	SW8270	04/10/90 19:43 JR
2,4-Dimethylphenol[105-67-9]	ND	0.33	ug/G	SW8270	04/10/90 19:43 JR
2,4-Dichlorophenol[120-83-2]	ND	0.33	ug/G	SW8270	04/10/90 19:43 JR
4-Chloro-3-methylphenol[59-50-7]	ND	0.33	ug/G	SW8270	04/10/90 19:43 JR
2,4,6-Trichlorophenol[88-06-2]	ND	0.33	ug/G	SW8270	04/10/90 19:43 JR
4-Dinitrophenol[51-28-5]	ND	1.7	ug/G	SW8270	04/10/90 19:43 JR
2-Nitrophenol[100-02-7]	ND	1.7	ug/G	SW8270	04/10/90 19:43 JR
o-Methyl-4,6-dinitrophenol[534-52-1]	ND	1.7	ug/G	SW8270	04/10/90 19:43 JR
Pentachlorophenol[87-86-5]	ND	1.7	ug/G	SW8270	04/10/90 19:43 JR
SURROGATE RECOVERY-ACID FRACTION					
2-Fluorophenol (SURROGATE)	38	-----	% REC	SW8270	04/10/90 19:43 JR
Phenol-d6 (SURROGATE)	35	-----	% REC	SW8270	04/10/90 19:43 JR
2,4,6-Tribromophenol (SURROGATE)	22	-----	% REC	SW8270	04/10/90 19:43 JR

Extraction and Analytical Methods: USEPA 8270, SW-846

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit.

AR100386



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5630

Respectfully Submitted:

WV-1 8:50
NITRO SANITATION LANDFILL 3103

Sampled by CLIENT
Date Received 03/28/90

RCM

Date Sampled 03/28/90

PRIORITY POLLUTANTS-EXTRACTABLE ORGANICS
ACID & BASE/NEUTRAL FRACTIONS
Sonication Extraction
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED		
					DATE/TIME/ANALYST		
N-Nitrosodimethylamine[62-75-9]	ND	1.7	ug/G	SW8270	04/10/90	19:43	JR
Bis(2-chloroethyl)ether[111-44-4]	ND	0.33	ug/G	SW8270	04/10/90	19:43	JR
1,3-Dichlorobenzene[541-73-1]	ND	0.33	ug/G	SW8270	04/10/90	19:43	JR
1,4-Dichlorobenzene[106-46-7]	ND	0.33	ug/G	SW8270	04/10/90	19:43	JR
1,2-Dichlorobenzene[95-50-1]	ND	0.33	ug/G	SW8270	04/10/90	19:43	JR
Bis(2-chloroisopropyl)ether[39638-32-9]	ND	0.33	ug/G	SW8270	04/10/90	19:43	JR
N-Nitrosodi-n-propylamine[621-64-7]	ND	0.67	ug/G	SW8270	04/10/90	19:43	
Nitrobenzene[98-95-3]	ND	0.33	ug/G	SW8270	04/10/90	19:43	
Hexachloroethane[67-72-1]	ND	0.33	ug/G	SW8270	04/10/90	19:43	JR
Isophorone[78-59-1]	ND	0.33	ug/G	SW8270	04/10/90	19:43	JR
Bis(2-Chloroethoxy)methane[111-91-1]	ND	0.33	ug/G	SW8270	04/10/90	19:43	JR
1,2,4-Trichlorobenzene[120-82-1]	ND	0.33	ug/G	SW8270	04/10/90	19:43	JR
Naphthalene[91-20-3]	ND	0.33	ug/G	SW8270	04/10/90	19:43	JR
Hexachlorobutadiene[87-68-3]	ND	0.33	ug/G	SW8270	04/10/90	19:43	JR
Hexachlorocyclopentadiene[77-47-4]	ND	0.33	ug/G	SW8270	04/10/90	19:43	JR
2-Chloronaphthalene[91-58-7]	ND	0.33	ug/G	SW8270	04/10/90	19:43	JR
Dimethylphthalate[131-11-3]	ND	0.33	ug/G	SW8270	04/10/90	19:43	JR
Acenaphthylene[208-96-8]	ND	0.33	ug/G	SW8270	04/10/90	19:43	JR
Acenaphthene[83-32-9]	ND	0.33	ug/G	SW8270	04/10/90	19:43	JR
2,6-Dinitrotoluene[606-20-2]	ND	0.33	ug/G	SW8270	04/10/90	19:43	JR
2,4-Dinitrotoluene[121-14-2]	ND	0.33	ug/G	SW8270	04/10/90	19:43	JR
Fluorene[86-73-7]	ND	0.33	ug/G	SW8270	04/10/90	19:43	JR
4-Chlorophenylphenylether[7005-72-3]	ND	0.33	ug/G	SW8270	04/10/90	19:43	JR
1,2-Diphenylhydrazine[122-66-7]	ND	0.33	ug/G	SW8270	04/10/90	19:43	JR
Diethylphthalate[84-66-2]	ND	0.33	ug/G	SW8270	04/10/90	19:43	JR
n-Nitrosodiphenylamine[86-30-6]	ND	0.67	ug/G	SW8270	04/10/90	19:43	JR
Hexachlorobenzene[118-74-1]	ND	0.33	ug/G	SW8270	04/10/90	19:43	JR

REF: USEPA; Test Methods For Evaluating Solid Waste; SW-846, 3rd Ed.; Nov, 1986.

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit.

* Recovery was lower than the normally accepted value of 23

AR100387

1256 GREENBRIER STREET, CHARLESTON, WEST VIRGINIA 25311 — TELEPHONE 304 348-0725

4643 BENSON AVENUE, BALTIMORE, MARYLAND 21227 — TELEPHONE 301 247-7400

CINCINNATI, OHIO AREA — TELEPHONE 513 421-3872 OR 606 344-0084



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F.Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5630

Respectfully
Submitted:

WV-1 8:50
NITRO SANITATION LANDFILL 3103

Sampled by CLIENT
Date Received 03/28/90

RCM

Date Sampled 03/28/90

PAGE

PRIORITY POLLUTANTS-EXTRACTABLE ORGANICS
ACID & BASE/NEUTRAL FRACTIONS
Sonication Extraction
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED	
					DATE/TIME/ANALYST	
4-Bromophenylphenylether[101-55-3]	ND	0.33	ug/G	SW8270	04/10/90	19:43 JR
Phenanthrene[85-01-8]	ND	0.33	ug/G	SW8270	04/10/90	19:43 JR
Anthracene[120-12-7]	ND	0.33	ug/G	SW8270	04/10/90	19:43 JR
Di-n-butylphthalate[84-74-2]	ND	0.33	ug/G	SW8270	04/10/90	19:43 JR
Fluoranthene[206-44-0]	ND	0.33	ug/G	SW8270	04/10/90	19:43 JR
Pyrene[129-00-0]	ND	0.33	ug/G	SW8270	04/10/90	19:43 JR
nzidine[92-87-5]	ND	1.7	ug/G	SW8270	04/10/90	19:43 JR
tylbenzylphthalate[85-68-7]	ND	0.33	ug/G	SW8270	04/10/90	19:43 JR
Bis(2-ethylhexyl)phthalate[117-81-7]	ND	0.33	ug/G	SW8270	04/10/90	19:43 JR
Chrysene[218-01-9]	ND	0.33	ug/G	SW8270	04/10/90	19:43 JR
Benz(a)anthracene[56-55-3]	ND	0.33	ug/G	SW8270	04/10/90	19:43 JR
3,3'-Dichlorobenzidine[91-94-1]	ND	0.33	ug/G	SW8270	04/10/90	19:43 JR
Di-n-octylphthalate[117-84-0]	ND	0.33	ug/G	SW8270	04/10/90	19:43 JR
Benzo(b)fluoranthene[205-99-2]	ND	0.33	ug/G	SW8270	04/10/90	19:43 JR
Benzo(k)fluoranthene[207-08-9]	ND	0.33	ug/G	SW8270	04/10/90	19:43 JR
Benzo(a)pyrene[50-32-8]	ND	0.33	ug/G	SW8270	04/10/90	19:43 JR
Indeno(1,2,3-cd)pyrene[193-39-5]	ND	0.67	ug/G	SW8270	04/10/90	19:43 JR
Dibenzo(a,h,)anthracene[53-70-3]	ND	0.67	ug/G	SW8270	04/10/90	19:43 JR
Benzo(ghi)perylene[191-24-2]	ND	0.67	ug/G	SW8270	04/10/90	19:43 JR
SURROGATE RECOVERY-BASE/NEUTRAL FRACTION						
Nitrobenzene-d5(SURROGATE)	22	-----	* REC	SW8270	04/10/90	19:43 JR
2-Fluorobiphenyl(SURROGATE)	30	-----	* REC	SW8270	04/10/90	19:43 JR
Terphenyl-d14(SURROGATE)	59	-----	* REC	SW8270	04/10/90	19:43 JR

REF: USEPA; Test Methods For Evaluating Solid Waste; SW-846, 3rd Ed.; Nov, 1986.

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit.

* Recovery was lower than the normally accepted value of 23

AR100388



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5630

Respectfully
Submitted:

WV-1 8:50

Sampled by CLIENT

NITRO SANITATION LANDFILL 3103

Date Received 03/28/90

RCM

Date Sampled 03/28/90

PRIORITY POLLUTANT LIST: VOLATILE ORGANICS
Soil Procedure/Methanol Extraction
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED DATE/TIME/ANALYST
Chloromethane[74-87-3]	ND	0.63	ug/G	SW8240	04/09/90 13:29 MAM
Bromomethane[74-83-9]	ND	0.63	ug/G	SW8240	04/09/90 13:29 MAM
Vinyl Chloride[75-01-4]	ND	0.63	ug/G	SW8240	04/09/90 13:29 MAM
Chloroethane[75-00-3]	ND	0.63	ug/G	SW8240	04/09/90 13:29 MAM
Ethylene Chloride[75-09-2]	ND	0.63	ug/G	SW8240	04/09/90 13:29 MAM
1,1-Dichloroethene[75-35-4]	ND	0.63	ug/G	SW8240	04/09/90 13:29 MAM
1,1-Dichloroethane[75-34-3]	ND	0.63	ug/G	SW8240	04/09/90 13:29 MAM
Trans-1,2-Dichloroethene[156-60-5]	ND	0.63	ug/G	SW8240	04/09/90 13:29
Chloroform[67-66-3]	ND	0.63	ug/G	SW8240	04/09/90 13:29
1,2-Dichloroethane[107-06-2]	ND	0.63	ug/G	SW8240	04/09/90 13:29 MAM
1,1,1-Trichloroethane	ND	0.63	ug/G	SW8240	04/09/90 13:29 MAM
Carbon Tetrachloride[56-23-5]	ND	0.63	ug/G	SW8240	04/09/90 13:29 MAM
Bromodichloromethane[75-27-4]	ND	0.63	ug/G	SW8240	04/09/90 13:29 MAM
1,2-Dichloropropane[78-87-5]	ND	0.63	ug/G	SW8240	04/09/90 13:29 MAM
trans-1,3-Dichloropropene[10061-02-6]	ND	0.63	ug/G	SW8240	04/09/90 13:29 MAM
cis-1,3-Dichloropropene[10061-01-3]	ND	0.63	ug/G	SW8240	04/09/90 13:29 MAM
Trichloroethene[79-01-6]	ND	0.63	ug/G	SW8240	04/09/90 13:29 MAM
Dibromochloromethane[124-48-1]	ND	0.63	ug/G	SW8240	04/09/90 13:29 MAM
1,1,2-Trichloroethane[79-00-5]	ND	0.63	ug/G	SW8240	04/09/90 13:29 MAM
2-Chloroethylvinylether[110-75-8]	ND	1.3	ug/G	SW8240	04/09/90 13:29 MAM
Bromoform[75-25-2]	ND	0.63	ug/G	SW8240	04/09/90 13:29 MAM
1,1,2,2-Tetrachloroethane[79-34-5]	ND	0.63	ug/G	SW8240	04/09/90 13:29 MAM
Tetrachloroethene[127-18-4]	ND	0.63	ug/G	SW8240	04/09/90 13:29 MAM
Benzene[71-43-2]	ND	0.63	ug/G	SW8240	04/09/90 13:29 MAM
Toluene[108-88-3]	ND	0.63	ug/G	SW8240	04/09/90 13:29 MAM
Ethylbenzene[100-41-4]	ND	0.63	ug/G	SW8240	04/09/90 13:29 MAM
Chlorobenzene[108-90-7]	ND	0.63	ug/G	SW8240	04/09/90 13:29 MAM
Acrylonitrile[107-13-1]	ND	6.3	ug/G	SW8240	04/09/90 13:29 MAM
Acrolein[107-02-8]	ND	6.3	ug/G	SW8240	04/09/90 13:29 MAM
SURROGATE RECOVERY-VOLATILE FRACTION					

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit.

Analytical Methods: USEPA 8240, SW-846 (Purge/Trap/Desorb or Direct Injection)

AR100389

1256 GREENBRIER STREET, CHARLESTON, WEST VIRGINIA 25311 — TELEPHONE 304 346-0725

4643 BENSON AVENUE, BALTIMORE, MARYLAND 21227 — TELEPHONE 301 247-7400

CINCINNATI, OHIO AREA — TELEPHONE 513 421-3872 OR 606 344-0084



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5630

Respectfully
Submitted:

NV-1 3:50
NITRO SANITATION LANDFILL 3103

Sampled by CLIENT
Date Received 03/28/90

R C Murphy

Date Sampled 03/26/90

PAGE

PRIORITY POLLUTANT LIST: VOLATILE ORGANICS
Soil Procedure/Methanol Extraction
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED DATE/TIME/ANALYST
1,2-Dichloroethane-d4 (SURROGATE)	151	-----	X REC	SW8240	04/09/90 10:29 MAM
Toluene-d8 (SURROGATE)	119	-----	X REC	SW8240	04/09/90 13:29 MAM
Bromofluorobenzene (SURROGATE)	123	-----	X REC	SW8240	04/09/90 13:29 MAM

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit.

Analytical Method: USEPA 8240, SW-846 (Purge/Trap/Desorb or Direct Injection)

AR100390

1256 GREENBRIER STREET, CHARLESTON, WEST VIRGINIA 25311 — TELEPHONE 304 346-0725

4643 BENSON AVENUE, BALTIMORE, MARYLAND 21227 — TELEPHONE 301 247-7400

CINCINNATI, OHIO — TELEPHONE 513 421-3872 OR 606 344-0084



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5631

Respectfully
Submitted:

WV-2 3:10
NITRO SANITATION LANDFILL 3103

Sampled by CLIENT
Date Received 03/28/90

Date Sampled 03/28/90

PRIORITY POLLUTANTS: ACID EXTRACTABLES FRACTION
Soil Procedure/Sonication Extraction
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED DATE/TIME/ANALYST
Phenol[100-95-2]	3.0	0.33	ug/G	SW8270	04/11/90 17:40 JR
2-Chlorophenol[95-57-8]	ND	0.33	ug/G	SW8270	04/11/90 17:40 JR
2-Nitrophenol[88-75-5]	ND	0.33	ug/G	SW8270	04/11/90 17:40 JR
2,4-Dimethylphenol[105-67-9]	5.4	0.33	ug/G	SW8270	04/11/90 17:40 JR
2,4-Dichlorophenol[120-83-2]	ND	0.33	ug/G	SW8270	04/11/90 17:40 JR
4-Chloro-3-methylphenol[59-50-7]	ND	0.33	ug/G	SW8270	04/11/90 17:40 JR
2,4,6-Trichlorophenol[88-06-2]	ND	0.33	ug/G	SW8270	04/11/90 17:40 JR
2,4-Dinitrophenol[51-28-5]	ND	1.7	ug/G	SW8270	04/11/90 17:40
4-Nitrophenol[100-02-7]	ND	1.7	ug/G	SW8270	04/11/90 17:40
2-Methyl-4,6-dinitrophenol[534-52-1]	ND	1.7	ug/G	SW8270	04/11/90 17:40 JR
Pentachlorophenol[87-86-5]	ND	1.7	ug/G	SW8270	04/11/90 17:40 JR
SURROGATE RECOVERY-ACID FRACTION					
2-Fluorophenol (SURROGATE)	72	-----	X REC	SW8270	04/11/90 17:40 JR
Phenol-d6 (SURROGATE)	83	-----	X REC	SW8270	04/11/90 17:40 JR
2,4,6-Tribromophenol (SURROGATE)	77	-----	X REC	SW8270	04/11/90 17:40 JR

Extraction and Analytical Methods: USEPA 8270, SW-846

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit

AR 100391



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5631

Respectfully Submitted:

WU-2 9:10
NITRO SANITATION LANDFILL 3103

Sampled by CLIENT
Date Received 03/28/90

RCM

Date Sampled 03/28/90

PRIORITY POLLUTANTS-EXTRACTABLE ORGANICS
ACID & BASE/NEUTRAL FRACTIONS
Sonication Extraction
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED DATE/TIME/ANALYST
N-Nitrosodimethylamine[62-75-9]	ND	1.7	ug/G	SW8270	04/11/90 17:40 JR
Bis(2-chloroethyl)ether[111-44-4]	ND	0.33	ug/G	SW8270	04/11/90 17:40 JR
1,3-Dichlorobenzene[541-73-1]	ND	0.33	ug/G	SW8270	04/11/90 17:40 JR
1,4-Dichlorobenzene[106-46-7]	ND	0.33	ug/G	SW8270	04/11/90 17:40 JR
1,2-Dichlorobenzene[95-50-1]	ND	0.33	ug/G	SW8270	04/11/90 17:40 JR
Bis(2-chloroisopropyl)ether[39638-32-9]	ND	0.33	ug/G	SW8270	04/11/90 17:40 JR
Nitrosodi-n-propylamine[621-64-7]	ND	0.67	ug/G	SW8270	04/11/90 17:40 JR
Chlorobenzene[98-95-3]	ND	0.33	ug/G	SW8270	04/11/90 17:40 JR
Hexachloroethane[67-72-1]	ND	0.33	ug/G	SW8270	04/11/90 17:40 JR
Isophorone[78-59-1]	ND	0.33	ug/G	SW8270	04/11/90 17:40 JR
Bis(2-Chloroethoxy)methane[111-91-1]	ND	0.33	ug/G	SW8270	04/11/90 17:40 JR
1,2,4-Trichlorobenzene[120-82-1]	ND	0.33	ug/G	SW8270	04/11/90 17:40 JR
Naphthalene[91-20-3]	ND	0.33	ug/G	SW8270	04/11/90 17:40 JR
Hexachlorobutadiene[87-63-3]	ND	0.33	ug/G	SW8270	04/11/90 17:40 JR
Hexachlorocyclopentadiene[77-47-4]	ND	0.33	ug/G	SW8270	04/11/90 17:40 JR
1-Chloronaphthalene[91-58-7]	ND	0.33	ug/G	SW8270	04/11/90 17:40 JR
Dimethylphthalate[131-11-3]	ND	0.33	ug/G	SW8270	04/11/90 17:40 JR
Acenaphthylene[208-96-8]	ND	0.33	ug/G	SW8270	04/11/90 17:40 JR
Acenaphthene[83-32-9]	ND	0.33	ug/G	SW8270	04/11/90 17:40 JR
2,6-Dinitrotoluene[606-20-2]	ND	0.33	ug/G	SW8270	04/11/90 17:40 JR
2,4-Dinitrotoluene[121-14-2]	ND	0.33	ug/G	SW8270	04/11/90 17:40 JR
Fluorene[86-73-7]	ND	0.33	ug/G	SW8270	04/11/90 17:40 JR
4-Chlorophenylphenylether[7005-72-3]	ND	0.33	ug/G	SW8270	04/11/90 17:40 JR
1,2-Diphenylhydrazine[122-66-7]	ND	0.33	ug/G	SW8270	04/11/90 17:40 JR
Diethylphthalate[84-66-2]	ND	0.33	ug/G	SW8270	04/11/90 17:40 JR
m-Nitrosodiphenylamine[86-30-6]	ND	0.67	ug/G	SW8270	04/11/90 17:40 JR
Hexachlorobenzene[118-74-1]	ND	0.33	ug/G	SW8270	04/11/90 17:40 JR

REF: USEPA; Test Methods For Evaluating Solid Waste; SW-846, 3rd Ed.; Nov, 1986.

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit.

estimated value, daily calibration response exceeded the initial RF by more than 30%

ART00392



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5631

Respectfully
Submitted:

UV-2 3:10

NITRO SANITATION LANDFILL 3103

Sampled by CLIENT

Date Received 03/28/90

Date Sampled 03/28/90

PAGE 2

PRIORITY POLLUTANTS-EXTRACTABLE ORGANICS
ACID & BASE/NEUTRAL FRACTIONS
Sonication Extraction
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED DATE/TIME/ANALYST
4-Bromophenylphenylether[101-55-3]	ND	0.33	ug/G	SW8270	04/11/90 17:40 JR
Phenanthrene[85-01-3]	ND	0.33	ug/G	SW8270	04/11/90 17:40 JR
Anthracene[120-12-7]	ND	0.33	ug/G	SW8270	04/11/90 17:40 JR
Di-n-butylphthalate[84-74-2]	ND	0.33	ug/G	SW8270	04/11/90 17:40 JR
Fluoranthene[206-44-0]	ND	0.33	ug/G	SW8270	04/11/90 17:40 JR
Pyrene[129-00-1]	0.33*	0.33	ug/G	SW8270	04/11/90 17:40 J
Benzidine[92-67-5]	ND	1.7	ug/G	SW8270	04/11/90 17:40 J
Butylbenzylphthalate[85-68-7]	ND	0.33	ug/G	SW8270	04/11/90 17:40 JR
Bis(2-ethylhexyl)phthalate[117-81-7]	5.3	0.33	ug/G	SW8270	04/11/90 17:40 JR
Chrysenel[218-01-9]	ND	0.33	ug/G	SW8270	04/11/90 17:40 JR
Benz(a)anthracene[56-55-3]	ND	0.33	ug/G	SW8270	04/11/90 17:40 JR
2,3'-Dichlorobenzidine[91-94-1]	ND	0.33	ug/G	SW8270	04/11/90 17:40 JR
Di-n-octylphthalate[117-84-0]	ND	0.33	ug/G	SW8270	04/11/90 17:40 JR
Benzo(b)fluoranthene[205-99-2]	0.47	0.33	ug/G	SW8270	04/11/90 17:40 JR
Benzo(k)fluoranthene[207-08-9]	ND	0.33	ug/G	SW8270	04/11/90 17:40 JR
Benzo(a)pyrene[50-32-8]	ND	0.33	ug/G	SW8270	04/11/90 17:40 JK
Indeno(1,2,3-cd)pyrene[193-39-5]	ND	0.67	ug/G	SW8270	04/11/90 17:40 JR
Dibenzo(a,h)anthracene[53-78-3]	ND	0.67	ug/G	SW8270	04/11/90 17:40 JR
Benzo(ghi)perylene[191-24-2]	ND	0.67	ug/G	SW8270	04/11/90 17:40 JR
SURROGATE RECOVERY-BASE/NEUTRAL FRACTION					
Nitrobenzene-d5(SURROGATE)	52	-----	x REC	SW8270	04/11/90 17:40 JR
2-Fluorobiphenyl(SURROGATE)	81	-----	x REC	SW8270	04/11/90 17:40 JR
Tetraphenyl-d14(SURROGATE)	51	-----	x REC	SW8270	04/11/90 17:40 JR

REF: USEPA; Test Methods For Evaluating Solid Waste; SW-846, 3rd Ed.; Nov, 1986.

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit.

* Estimated value, daily calibration response exceeded the initial RF by more than 30%

ART00393



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5631

Respectfully
Submitted:

WV-2 9:10

Sampled by CLIENT

NITRO SANITATION LANDFILL 3103

Date Received 03/28/90

RCM

Date Sampled 03/26/90

PRIORITY POLLUTANT LIST: VOLATILE ORGANICS
Soil Procedure/Methanol Extraction
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED	
					DATE/TIME	ANALYST
Chloromethane[74-87-3]	ND	0.63	ug/G	SW8240	04/09/90	14:10 MAM
Bromomethane[74-83-9]	ND	0.63	ug/G	SW8240	04/09/90	14:10 MAM
Vinyl Chloride[75-01-4]	ND	0.63	ug/G	SW8240	04/09/90	14:10 MAM
Chloroethane[75-00-3]	ND	0.63	ug/G	SW8240	04/09/90	14:10 MAM
Ethylene Chloride[75-09-2]	ND	0.63	ug/G	SW8240	04/09/90	14:10 MAM
1,1-Dichloroethene[75-35-4]	ND	0.63	ug/G	SW8240	04/09/90	14:10 MAM
1,1-Dichloroethane[75-34-3]	ND	0.63	ug/G	SW8240	04/09/90	14:10 MAM
trans-1,2-Dichloroethene[156-60-5]	ND	0.63	ug/G	SW8240	04/09/90	14:10 MAM
Chloroform[67-66-3]	ND	0.63	ug/G	SW8240	04/09/90	14:10 MAM
1,2-Dichloroethane[107-06-2]	ND	0.63	ug/G	SW8240	04/09/90	14:10 MAM
1,1,1-Trichloroethane	ND	0.63	ug/G	SW8240	04/09/90	14:10 MAM
Carbon Tetrachloride[56-23-5]	ND	0.63	ug/G	SW8240	04/09/90	14:10 MAM
Bromodichloromethane[75-27-4]	ND	0.63	ug/G	SW8240	04/09/90	14:10 MAM
1,2-Dichloropropane[78-87-5]	ND	0.63	ug/G	SW8240	04/09/90	14:10 MAM
trans-1,3-Dichloropropene[10061-02-6]	ND	0.63	ug/G	SW8240	04/09/90	14:10 MAM
cis-1,3-Dichloropropene[10061-01-5]	ND	0.63	ug/G	SW8240	04/09/90	14:10 MAM
Trichloroethene[79-01-6]	ND	0.63	ug/G	SW8240	04/09/90	14:10 MAM
Dibromochloromethane[124-48-1]	ND	0.63	ug/G	SW8240	04/09/90	14:10 MAM
1,1,2-Trichloroethane[79-00-5]	ND	0.63	ug/G	SW8240	04/09/90	14:10 MAM
2-Chloroethylvinylether[110-75-3]	ND	1.3	ug/G	SW8240	04/09/90	14:10 MAM
Bromoform[75-25-2]	ND	0.63	ug/G	SW8240	04/09/90	14:10 MAM
1,1,2,2-Tetrachloroethane[79-34-5]	ND	0.63	ug/G	SW8240	04/09/90	14:10 MAM
Tetrachloroethene[127-18-4]	ND	0.63	ug/G	SW8240	04/09/90	14:10 MAM
Benzene[71-43-2]	ND	0.63	ug/G	SW8240	04/09/90	14:10 MAM
Toluene[108-88-3]	ND	0.63	ug/G	SW8240	04/09/90	14:10 MAM
Ethylbenzene[100-41-4]	ND	0.63	ug/G	SW8240	04/09/90	14:10 MAM
Chlorobenzene[108-90-7]	ND	0.63	ug/G	SW8240	04/09/90	14:10 MAM
Acrylonitrile[107-13-1]	ND	6.3	ug/G	SW8240	04/09/90	14:10 MAM
Acrolein[107-02-8]	ND	6.3	ug/G	SW8240	04/09/90	14:10 MAM

SURROGATE RECOVERY-VOLATILE FRACTION

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit.

Typical Method: USEPA 8240, SW-846 (Purge/Trap/Desorb or Direct Injection)

AR100394



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5631

Respectfully
Submitted:

WV-2 3:10
NITRO SANITATION LANDFILL 3103

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RCM

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PAGE 2

PRIORITY POLLUTANT LIST: VOLATILE ORGANICS
Soil Procedure/Methanol Extraction
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED DATE/TIME/ANALYST
1,2-Dichloroethane-d4 (SURROGATE)	89	-----	X REC	SW8240	04/09/90 14:10 MAM
Toluene-d8 (SURROGATE)	93	-----	X REC	SW8240	04/09/90 14:10 MAM
Bromofluorobenzene (SURROGATE)	103	-----	X REC	SW8240	04/09/90 14:10 MAM

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit.

Analytical Method: USEPA 8240, SW-846 (Purge/Trap/Desorb or Direct Injection)

AR100395



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5632

Respectfully Submitted:

WV-3 9:30
NITRO SAMITATION LANDFILL 3103

Sampled by CLIENT
Date Received 03/28/90

RCM

Date Sampled 03/28/90

PRIORITY POLLUTANTS: ACID EXTRACTABLES FRACTION

Soil Procedure/Sonication Extraction

ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED DATE/TIME/ANALYST
Phenol [108-95-2]	0.98	0.33	ug/G	SW8270	04/12/90 19:45 JR
2-Chlorophenol [95-57-8]	ND	0.33	ug/G	SW8270	04/12/90 19:45 JR
2-Nitrophenol [88-73-5]	ND	0.33	ug/G	SW8270	04/12/90 19:45 JR
2,4-Dimethylphenol [105-67-9]	9.7	0.33	ug/G	SW8270	04/12/90 19:45 JR
2,4-Dichlorophenol [120-83-2]	ND	0.33	ug/G	SW8270	04/12/90 19:45 JR
4-Chloro-3-methylphenol [59-50-7]	ND	0.33	ug/G	SW8270	04/12/90 19:45 JR
2,4,6-Trichlorophenol [88-06-2]	ND	0.33	ug/G	SW8270	04/12/90 19:45 JR
4-Dinitrophenol [51-28-5]	ND	1.7	ug/G	SW8270	04/12/90 19:45 JR
nitrophenol [130-02-7]	ND	1.7	ug/G	SW8270	04/12/90 19:45 JR
2-Methyl-4,6-dinitrophenol [534-52-1]	ND	1.7	ug/G	SW8270	04/12/90 19:45 JR
Pentachlorophenol [87-86-5]	ND	1.7	ug/G	SW8270	04/12/90 19:45 JR
SURROGATE RECOVERY-ACID FRACTION					
2-Fluorophenol (SURROGATE)	34	-----	X REC	SW8270	04/12/90 19:45 JR
Phenol-d6 (SURROGATE)	62	-----	X REC	SW8270	04/12/90 19:45 JR
2,4,6-Tribromophenol (SURROGATE)	11	-----	X REC	SW8270	04/12/90 19:45 JR

Extraction and Analytical Methods: USEPA 8270, SW-846

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit.

D: Result was obtained from the 1/10 dilution.

AR100396



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

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PRIORITY POLLUTANTS-EXTRACTABLE ORGANICS
ACID & BASE/NEUTRAL FRACTIONS
Sonication Extraction
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED DATE/TIME/ANALYST
N-Nitrosodimethylamine[62-75-9]	ND	1.7	ug/G	SW8270	04/12/90 19:45 JR
Bis(2-chloroethyl) ether[111-44-4]	ND	0.33	ug/G	SW8270	04/12/90 19:45 JR
1,3-Dichlorobenzene[541-73-1]	ND	0.33	ug/G	SW8270	04/12/90 19:45 JR
1,4-Dichlorobenzene[106-46-7]	ND	0.33	ug/G	SW8270	04/12/90 19:45 JR
1,2-Dichlorobenzene[95-50-1]	ND	0.33	ug/G	SW8270	04/12/90 19:45 JR
Bis(2-chloroisopropyl) ether[39638-32-9]	ND	0.33	ug/G	SW8270	04/12/90 19:45 JR
N-Nitrosodi-n-propylamine[621-64-7]	ND	0.67	ug/G	SW8270	04/12/90 19:45 JR
Nitrobenzene[98-95-3]	ND	0.33	ug/G	SW8270	04/12/90 19:45 JR
Hexachloroethane[67-72-1]	ND	0.33	ug/G	SW8270	04/12/90 19:45 JR
Isophorone[78-59-1]	ND	0.33	ug/G	SW8270	04/12/90 19:45 JR
Bis(2-Chloroethoxy)methane[111-91-1]	ND	0.33	ug/G	SW8270	04/12/90 19:45 JR
1,2,4-Trichlorobenzene[120-82-1]	ND	0.33	ug/G	SW8270	04/12/90 19:45 JR
Naphthalene[91-20-3]	ND	0.33	ug/G	SW8270	04/12/90 19:45 JR
Hexachlorobutadiene[87-68-3]	ND	0.33	ug/G	SW8270	04/12/90 19:45 JR
Hexachlorocyclopentadiene[77-47-4]	ND	0.33	ug/G	SW8270	04/12/90 19:45 JR
2-Chloronaphthalene[91-58-7]	ND	0.33	ug/G	SW8270	04/12/90 19:45 JR
Dimethylphthalate[131-11-3]	ND	0.33	ug/G	SW8270	04/12/90 19:45 JR
Acenaphthylene[208-96-8]	ND	0.33	ug/G	SW8270	04/12/90 19:45 JR
Acenaphthene[63-32-9]	ND	0.33	ug/G	SW8270	04/12/90 19:45 JR
2,6-Dinitrotoluene[606-20-2]	ND	0.33	ug/G	SW8270	04/12/90 19:45 JR
2,4-Dinitrotoluene[121-14-2]	ND	0.33	ug/G	SW8270	04/12/90 19:45 JR
Fluorene[86-73-7]	ND	0.33	ug/G	SW8270	04/12/90 19:45 JR
4-Chlorophenylphenylether[7005-72-3]	ND	0.33	ug/G	SW8270	04/12/90 19:45 JR
1,2-Diphenylhydrazine[122-66-7]	ND	0.33	ug/G	SW8270	04/12/90 19:45 JR
Diethylphthalate[84-66-2]	ND	0.33	ug/G	SW8270	04/12/90 19:45 JR
n-Nitrosodiphenylamine[86-30-6]	ND	0.67	ug/G	SW8270	04/12/90 19:45 JR
Hexachlorobenzene[118-74-1]	ND	0.33	ug/G	SW8270	04/12/90 19:45 JR

REF: USEPA; Test Methods For Evaluating Solid Waste; SW-846, 3rd Ed.; Nov, 1986.

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit.

* Estimated value based on the daily response factor. Please refer to case # **AR100397**



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5632

Respectfully
Submitted:

UV-3 9:30
NITRO SANITATION LANDFILL 3103

Sampled by CLIENT
Date Received 03/28/90

Date Sampled 03/28/90

PAGE 2

PRIORITY POLLUTANTS-EXTRACTABLE ORGANICS
ACID & BASE/NEUTRAL FRACTIONS
Sonication Extraction
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED	
					DATE/TIME/ANALYST	
4-Bromophenylphenyl ether [101-55-3]	ND	0.33	ug/G	SW8270	04/12/90	19:45 JR
Fluorene [85-01-8]	ND	0.33	ug/G	SW8270	04/12/90	19:45 JR
Anthracene [120-12-7]	ND	0.33	ug/G	SW8270	04/12/90	19:45 JR
Di-n-butylphthalate [34-74-2]	ND	0.33	ug/G	SW8270	04/12/90	19:45 JR
Fluoranthene [206-44-0]	ND	0.33	ug/G	SW8270	04/12/90	19:45 JR
Pyrene [129-00-0]	ND	0.33	ug/G	SW8270	04/12/90	19:45 JR
Benzo(a)fluoranthene [203-46-0]	ND	1.7	ug/G	SW8270	04/12/90	19:45 JR
Benzo(b)fluoranthene [205-99-2]	ND	0.33	ug/G	SW8270	04/12/90	19:45 JR
Bis(2-ethylhexyl)phthalate [117-81-7]	12*	0.33	ug/G	SW8270	04/12/90	19:45 JR
Chrysene [213-01-9]	ND	0.33	ug/G	SW8270	04/12/90	19:45 JR
Benzo(a)anthracene [56-55-3]	ND	0.33	ug/G	SW8270	04/12/90	19:45 JR
2,3'-Dichlorobenzidine [91-94-1]	ND	0.33	ug/G	SW8270	04/12/90	19:45 JR
Di-n-octylphthalate [117-84-0]	ND	0.33	ug/G	SW8270	04/12/90	19:45 JR
Benzo(b)fluoranthene [205-99-2]	ND	0.33	ug/G	SW8270	04/12/90	19:45 JR
Benzo(k)fluoranthene [207-08-9]	ND	0.33	ug/G	SW8270	04/12/90	19:45 JR
Benzo(a)pyrene [50-32-8]	ND	0.33	ug/G	SW8270	04/12/90	19:45 JR
Indeno(1,2,3-cd)pyrene [193-39-3]	ND	0.67	ug/G	SW8270	04/12/90	19:45 JR
Dibenzo(a,h)anthracene [53-70-3]	ND	0.67	ug/G	SW8270	04/12/90	19:45 JR
Benzo(ghi)perylene [191-24-2]	ND	0.67	ug/G	SW8270	04/12/90	19:45 JR
SURROGATE RECOVERY-BASE/NEUTRAL FRACTION						
Nitrobenzene-d5 (SURROGATE)	75	-----	x REC	SW8270	04/12/90	19:45 JR
2-Fluorobiphenyl (SURROGATE)	76	-----	x REC	SW8270	04/12/90	19:45 JR
Terphenyl-d14 (SURROGATE)	64	-----	x REC	SW8270	04/12/90	19:45 JR

REF: USEPA; Test Methods For Evaluating Solid Waste; SW-846, 3rd Ed.; Nov, 1986.

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit.

* Estimated value based on the daily response factor. Please refer to case narrative.

AR100398



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5632

Respectfully
Submitted:

AV-3 9:30
NITRO SANITATION LANDFILL 3103

Sampled by CLIENT
Date Received 03/23/90

Date Sampled 03/28/90

PRIORITY POLLUTANT LIST: VOLATILE ORGANICS
Soil Procedure/Methanol Extraction
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED DATE/TIME/ANALYST
Chloromethane[74-87-3]	ND	0.63	ug/G	SW8240	04/09/90 14:51 MAM
Bromomethane[74-83-9]	ND	0.63	ug/G	SW8240	04/09/90 14:51 MAM
Vinyl Chloride[75-01-4]	ND	0.63	ug/G	SW8240	04/09/90 14:51 MAM
Chloroethane[75-00-3]	ND	0.63	ug/G	SW8240	04/09/90 14:51 MAM
Methylene Chloride[75-09-2]	ND	0.63	ug/G	SW8240	04/09/90 14:51 MAM
1,1-Dichloroethene[75-35-4]	ND	0.63	ug/G	SW8240	04/09/90 14:51 MAM
1,1-Dichloroethane[75-34-3]	ND	0.63	ug/G	SW8240	04/09/90 14:51 MAM
Trans-1,2-Dichloroethene[156-60-5]	ND	0.63	ug/G	SW8240	04/09/90 14:51 MAM
Chloroform[67-68-3]	ND	0.63	ug/G	SW8240	04/09/90 14:51 MAM
1,2-Dichloroethane[107-06-2]	ND	0.63	ug/G	SW8240	04/09/90 14:51 MAM
1,1,1-Trichloroethane	ND	0.63	ug/G	SW8240	04/09/90 14:51 MAM
Carbon Tetrachloride[56-23-5]	ND	0.63	ug/G	SW8240	04/09/90 14:51 MAM
Bromodichloromethane[75-27-4]	ND	0.63	ug/G	SW8240	04/09/90 14:51 MAM
1,2-Dichloropropane[78-87-5]	ND	0.63	ug/G	SW8240	04/09/90 14:51 MAM
trans-1,3-Dichloropropene[10061-02-6]	ND	0.63	ug/G	SW8240	04/09/90 14:51 MAM
cis-1,3-Dichloropropene[10061-01-5]	ND	0.63	ug/G	SW8240	04/09/90 14:51 MAM
Trichloroethane[79-01-6]	ND	0.63	ug/G	SW8240	04/09/90 14:51 MAM
Dibromochloromethane[124-48-1]	ND	0.63	ug/G	SW8240	04/09/90 14:51 MAM
1,1,2-Trichloroethane[79-00-5]	ND	0.63	ug/G	SW8240	04/09/90 14:51 MAM
2-Chloroethylvinylether[110-75-3]	ND	1.3	ug/G	SW8240	04/09/90 14:51 MAM
Bromoform[75-25-2]	ND	0.63	ug/G	SW8240	04/09/90 14:51 MAM
1,1,2,2-Tetrachloroethane[79-34-5]	ND	0.63	ug/G	SW8240	04/09/90 14:51 MAM
Tetrachloroethene[127-18-4]	ND	0.63	ug/G	SW8240	04/09/90 14:51 MAM
Benzene[71-43-2]	ND	0.63	ug/G	SW8240	04/09/90 14:51 MAM
Toluene[108-88-3]	ND	0.63	ug/G	SW8240	04/09/90 14:51 MAM
Ethylbenzene[100-41-4]	ND	0.63	ug/G	SW8240	04/09/90 14:51 MAM
Chlorobenzene[108-90-7]	ND	0.63	ug/G	SW8240	04/09/90 14:51 MAM
Acrylonitrile[107-13-1]	ND	6.3	ug/G	SW8240	04/09/90 14:51 MAM
Acrolein[107-02-8]	ND	6.3	ug/G	SW8240	04/09/90 14:51 MAM
SURROGATE RECOVERY-VOLATILE FRACTION					

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit.

Analytical Methods: USEPA 8240, SW-846 (Purge/Trap/Desorb or Direct Injection)

AR100399



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5632

Respectfully
Submitted:

NV-3 9:30
NITRO SANITATION LANDFILL 3103

Sampled by CLIENT
Date Received 03/28/90

RCM

Date Sampled 03/28/90

PAGE 2

PRIORITY POLLUTANT LIST: VOLATILE ORGANICS
Soil Procedure/Methanol Extraction
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED DATE/TIME/ANALYST
1,2-Dichloroethane-d4 (SURROGATE)	88	-----	x REC	SW8240	04/09/90 14:51 MAM
Toluene-c8 (SURROGATE)	99	-----	x REC	SW8240	04/09/90 14:51 MAM
Bromofluorobenzene (SURROGATE)	101	-----	x REC	SW8240	04/09/90 14:51 MAM

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit.

Analytical Method: USEPA 8240, SW-846 (Purge/Trap/Desorb or Direct Injection)

AR100400



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5633

Respectfully Submitted:

WV-4 14:15

NITRO SANITATION LANDFILL 3103

Sampled by CLIENT

Date Received 03/28/90

RC Murphy

Date Sampled 03/28/90

PRIORITY POLLUTANTS: ACID EXTRACTABLES FRACTION
Soil Procedure/Sonication Extraction
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED DATE/TIME/ANALYST
Phenol [108-95-2]	ND	0.33	ug/G	SW8270	04/17/90 16:11 JR
2-Chlorophenol [95-57-8]	ND	0.33	ug/G	SW8270	04/17/90 16:11 JR
3-Nitrophenol [88-73-0]	ND	0.33	ug/G	SW8270	04/17/90 16:11 JR
1,4-Dimethylphenol [105-67-9]	ND	0.33	ug/G	SW8270	04/17/90 16:11 JR
2,4-Dichlorophenol [120-83-2]	ND	0.33	ug/G	SW8270	04/17/90 16:11 JR
4-Chloro-3-methylphenol [59-50-7]	ND	0.33	ug/G	SW8270	04/17/90 16:11 JR
2,4,6-Trichlorophenol [88-06-2]	ND	0.33	ug/G	SW8270	04/17/90 16:11 JR
2,4-Dinitrophenol [51-28-5]	ND	1.7	ug/G	SW8270	04/17/90 16:11 JR
4-Nitrophenol [100-02-7]	ND	1.7	ug/G	SW8270	04/17/90 16:11 JR
2-Methyl-4,6-dinitrophenol [534-52-1]	ND	1.7	ug/G	SW8270	04/17/90 16:11 JR
Pentachlorophenol [87-86-5]	ND	1.7	ug/G	SW8270	04/17/90 16:11 JR
SURROGATE RECOVERY-ACID FRACTION					
2-Fluorophenol (SURROGATE)	66	-----	X REC	SW8270	04/17/90 16:11 JR
Phenol-d6 (SURROGATE)	67	-----	X REC	SW8270	04/17/90 16:11 JR
1,4,6-Tribromophenol (SURROGATE)	70	-----	X REC	SW8270	04/17/90 16:11 JR

Extraction and Analytical Method: USEPA 8270, SW-846

ND: Not detected at a concentration greater than or equal to the MDL - Method detected limit

AR100401

1256 GREENBRIER STREET, CHARLESTON, WEST VIRGINIA 25311 — TELEPHONE 304 346-0725

4643 BENSON AVENUE, BALTIMORE, MARYLAND 21227 — TELEPHONE 301 247-7400

CINCINNATI, OHIO AREA — TELEPHONE 513 421-3872 OR 606 344-0084



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5633

Respectfully
Submitted:

JV-4 14:15

NITRO SANITATION LANDFILL J103

Sampled by CLIENT

Date Received 03/28/90

Date Sampled 03/28/90

PRIORITY POLLUTANTS-EXTRACTABLE ORGANICS
ACID & BASE/NEUTRAL FRACTIONS
Sonication Extraction
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED	
					DATE/TIME/ANALYST	
N-Nitrosodimethylamine[62-73-9]	ND	1.7	ug/G	SW8270	04/17/90	16:11 JR
Bis(2-chloroethyl)ether[111-44-4]	ND	0.33	ug/G	SW8270	04/17/90	16:11 JR
1,3-Dichlorobenzene[541-73-1]	ND	0.33	ug/G	SW8270	04/17/90	16:11 JR
1,4-Dichlorobenzene[106-46-7]	ND	0.33	ug/G	SW8270	04/17/90	16:11 JR
1,2-Dichlorobenzene[95-50-1]	ND	0.33	ug/G	SW8270	04/17/90	16:11 JR
Bis(2-chloroisopropyl)ether[39638-32-9]	ND	0.33	ug/G	SW8270	04/17/90	16:11 JR
Nitrosodi-n-propylamine[621-64-7]	ND	0.67	ug/G	SW8270	04/17/90	16:11 JR
robenzene[98-95-3]	ND	0.33	ug/G	SW8270	04/17/90	16:11 JR
hexachloroethane[67-72-1]	ND	0.33	ug/G	SW8270	04/17/90	16:11 JR
Isophorone[78-59-1]	ND	0.33	ug/G	SW8270	04/17/90	16:11 JR
Bis(2-Chloroethoxy)methane[111-91-1]	ND	0.33	ug/G	SW8270	04/17/90	16:11 JR
1,2,4-Trichlorobenzene[120-82-1]	ND	0.33	ug/G	SW8270	04/17/90	16:11 JR
Naphthalene[91-20-3]	ND	0.33	ug/G	SW8270	04/17/90	16:11 JR
Hexachlorobutadiene[87-68-3]	ND	0.33	ug/G	SW8270	04/17/90	16:11 JR
Hexachlorocyclopentadiene[77-47-4]	ND	0.33	ug/G	SW8270	04/17/90	16:11 JR
2-Chloronaphthalene[91-58-7]	ND	0.33	ug/G	SW8270	04/17/90	16:11 JR
Dimethylphthalate[131-11-3]	ND	0.33	ug/G	SW8270	04/17/90	16:11 JR
Acenaphthylene[208-96-8]	ND	0.33	ug/G	SW8270	04/17/90	16:11 JR
Acenaphthene[83-32-9]	ND	0.33	ug/G	SW8270	04/17/90	16:11 JR
2,6-Dinitrotoluene[606-20-2]	ND	0.33	ug/G	SW8270	04/17/90	16:11 JR
2,4-Dinitrotoluene[121-14-2]	ND	0.33	ug/G	SW8270	04/17/90	16:11 JR
Fluorene[86-73-7]	ND	0.33	ug/G	SW8270	04/17/90	16:11 JR
4-Chlorophenylphenylether[7005-72-3]	ND	0.33	ug/G	SW8270	04/17/90	16:11 JR
1,2-Diphenylhydrazine[122-66-7]	ND	0.33	ug/G	SW8270	04/17/90	16:11 JR
Diethylphthalate[84-66-2]	ND	0.33	ug/G	SW8270	04/17/90	16:11 JR
n-Nitrosodiphenylamine[86-30-6]	ND	0.67	ug/G	SW8270	04/17/90	16:11 JR
Hexachlorobenzene[118-74-1]	ND	0.33	ug/G	SW8270	04/17/90	16:11 JR
4-Bromophenylphenylether[101-55-3]	ND	0.33	ug/G	SW8270	04/17/90	16:11 JR
Phenanthrene[85-01-8]	ND	0.33	ug/G	SW8270	04/17/90	16:11 JR

REF: USEPA; Test Methods For Evaluating Solid Waste; SW-846, 3rd Ed.; Nov, 1986.

Not detected at a concentration greater than or equal to the MDL - Method Detection Limit.

AR100402

1256 GREENBRIER STREET, CHARLESTON, WEST VIRGINIA 25311 — TELEPHONE 304 346-0725

4643 BENSON AVENUE, BALTIMORE, MARYLAND 21227 — TELEPHONE 301 247-7400

CINCINNATI, OHIO AREA — TELEPHONE 513 421-3872 OR 806 344-0084



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5633

Respectfully
Submitted:

WV-4 14:15
HITRO SANITATION LANDFILL 3103

Sampled by CLIENT
Date Received 03/28/90

RCM

Date Sampled 03/28/90

PAGE

PRIORITY POLLUTANTS-EXTRACTABLE ORGANICS
ACID & BASE/NEUTRAL FRACTIONS
Sonication Extraction
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED DATE/TIME/ANALYST
Anthracene[120-12-7]	ND	0.33	ug/G	SW8270	04/17/90 16:11 JR
Di-n-butylphthalate[84-74-2]	ND	0.33	ug/G	SW8270	04/17/90 16:11 JR
Fluoranthene[206-44-0]	ND	0.33	ug/G	SW8270	04/17/90 16:11 JR
Pyrene[129-00-0]	ND	0.33	ug/G	SW8270	04/17/90 16:11 JR
Benzidine[92-67-5]	ND	1.7	ug/G	SW8270	04/17/90 16:11 JR
Butylbenzylphthalate[85-68-7]	ND	0.33	ug/G	SW8270	04/17/90 16:11 JR
Bis(2-ethylhexyl)phthalate[117-81-7]	0.35	0.33	ug/G	SW8270	04/17/90 16:11 JR
Chrysene[213-01-9]	ND	0.33	ug/G	SW8270	04/17/90 16:11 JR
Benz(a)anthracene[56-55-3]	ND	0.33	ug/G	SW8270	04/17/90 16:11 JR
5,3'-Dichlorobenzidine[91-94-1]	ND	0.33	ug/G	SW8270	04/17/90 16:11 JR
Di-n-octylphthalate[117-84-0]	ND	0.33	ug/G	SW8270	04/17/90 16:11 JR
Benzo(b)fluoranthene[205-99-2]	ND	0.33	ug/G	SW8270	04/17/90 16:11 JR
Benzo(k)fluoranthene[207-08-9]	ND	0.33	ug/G	SW8270	04/17/90 16:11 JR
Benzo(a)pyrene[50-32-8]	ND	0.33	ug/G	SW8270	04/17/90 16:11 JR
Indeno(1,2,3-cd)pyrene[133-39-5]	ND	0.67	ug/G	SW8270	04/17/90 16:11 JR
Dibenzo(a,h)anthracene[53-70-3]	ND	0.67	ug/G	SW8270	04/17/90 16:11 JR
Benzo(g,h,i)perylene[191-24-2]	ND	0.67	ug/G	SW8270	04/17/90 16:11 JR
SURROGATE RECOVERY-BASE/NEUTRAL FRACTION					
Nitrobenzene-d5(SURROGATE)	61	-----	X REC	SW8270	04/17/90 16:11 JR
2-Fluorobiphenyl(SURROGATE)	65	-----	X REC	SW8270	04/17/90 16:11 JR
Terphenyl-d14(SURROGATE)	81	-----	X REC	SW8270	04/17/90 16:11 JR

REF: USEPA; Test Methods For Evaluating Solid Waste; SW-846, 3rd Ed.; Nov, 1986.

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit.

AR100403

1256 GREENBRIER STREET, CHARLESTON, WEST VIRGINIA 25311 — TELEPHONE 304 346-0725

4643 BENSON AVENUE, BALTIMORE, MARYLAND 21227 — TELEPHONE 301 247-7400

CINCINNATI, OHIO AREA — TELEPHONE 513 421-3872 OR 606 344-0084



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5633

Respectfully
Submitted:

WV-4 14:15
NITRO SANITATION LANDFILL J103

Sampled by CLIENT
Date Received 03/28/90

RCM

Date Sampled 03/28/90

PRIORITY POLLUTANT LIST: VOLATILE ORGANICS
Soil Procedure/Methanol Extraction
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED DATE/TIME/ANALYST
Chloromethane[74-87-3]	ND	0.63	ug/G	SW8240	04/09/90 15:30 MAM
Bromomethane[74-83-9]	ND	0.63	ug/G	SW8240	04/09/90 15:30 MAM
Vinyl Chloride[75-01-4]	ND	0.63	ug/G	SW8240	04/09/90 15:30 MAM
Chloroethane[75-00-3]	ND	0.63	ug/G	SW8240	04/09/90 15:30 MAM
Methylene Chloride[75-09-2]	ND	0.63	ug/G	SW8240	04/09/90 15:30 MAM
1,1-Dichloroethane[75-35-4]	ND	0.63	ug/G	SW8240	04/09/90 15:30 MAM
1,1-Dichloroethane[75-34-3]	ND	0.63	ug/G	SW8240	04/09/90 15:30 MAM
Trans-1,2-Dichloroethane[156-60-5]	ND	0.63	ug/G	SW8240	04/09/90 15:30 MAM
Bromoform[67-66-3]	ND	0.63	ug/G	SW8240	04/09/90 15:30 MAM
1,2-Dichloroethane[107-06-2]	ND	0.63	ug/G	SW8240	04/09/90 15:30 MAM
1,1,1-Trichloroethane	ND	0.63	ug/G	SW8240	04/09/90 15:30 MAM
Carbon Tetrachloride[56-23-5]	ND	0.63	ug/G	SW8240	04/09/90 15:30 MAM
Bromodichloromethane[75-27-4]	ND	0.63	ug/G	SW8240	04/09/90 15:30 MAM
1,2-Dichloropropane[78-07-5]	ND	0.63	ug/G	SW8240	04/09/90 15:30 MAM
Trans-1,3-Dichloropropene[10061-02-6]	ND	0.63	ug/G	SW8240	04/09/90 15:30 MAM
Cis-1,3-Dichloropropene[10061-01-5]	ND	0.63	ug/G	SW8240	04/09/90 15:30 MAM
Trichloroethene[79-01-6]	ND	0.63	ug/G	SW8240	04/09/90 15:30 MAM
Dibromochloromethane[124-48-1]	ND	0.63	ug/G	SW8240	04/09/90 15:30 MAM
1,1,2-Trichloroethane[79-00-5]	ND	0.63	ug/G	SW8240	04/09/90 15:30 MAM
2-Chloroethylvinylether[110-75-8]	ND	1.3	ug/G	SW8240	04/09/90 15:30 MAM
Bromoform[75-25-2]	ND	0.63	ug/G	SW8240	04/09/90 15:30 MAM
1,1,2,2-Tetrachloroethane[79-34-5]	ND	0.63	ug/G	SW8240	04/09/90 15:30 MAM
Tetrachloroethene[127-18-4]	ND	0.63	ug/G	SW8240	04/09/90 15:30 MAM
Benzene[71-43-2]	ND	0.63	ug/G	SW8240	04/09/90 15:30 MAM
Toluene[108-88-3]	ND	0.63	ug/G	SW8240	04/09/90 15:30 MAM
Ethylbenzene[100-41-4]	ND	0.63	ug/G	SW8240	04/09/90 15:30 MAM
Chlorobenzene[108-90-7]	ND	0.63	ug/G	SW8240	04/09/90 15:30 MAM
Acrylonitrile[107-13-1]	ND	6.3	ug/G	SW8240	04/09/90 15:30 MAM
Acrolein[107-02-8]	ND	6.3	ug/G	SW8240	04/09/90 15:30 MAM
SURROGATE RECOVERY-VOLATILE FRACTION					

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit.

Analytical Methods: USEPA 8240, SW-846 (Purge/Trap/Desorb or Direct Injection)

AP100404



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5633

Respectfully
Submitted:

WV-4 14:15
NITRO SANITATION LANDFILL 3103

Sampled by CLIENT
Date Received 03/23/90

RCM

Date Sampled 03/28/90

PAGE

PRIORITY POLLUTANT LIST: VOLATILE ORGANICS
Soil Procedure/Methanol Extraction
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED DATE/TIME/ANALYST
1,2-Dichloroethane-d4 (SURROGATE)	38	-----	% REC	SW8240	04/09/90 15:30 MAM
Toluene-d8 (SURROGATE)	93	-----	% REC	SW8240	04/09/90 15:30 MAM
Bromofluorobenzene (SURROGATE)	111	-----	% REC	SW8240	04/09/90 15:30 MAM

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit.

Analytical Method: USEPA 8240, SW-846 (Purge/Trap/Desorb or Direct Injection)

AR100405



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5634

Respectfully
Submitted:

WV-5 14:45
NITRO SANITATION LANDFILL 3103

Sampled by CLIENT
Date Received 03/28/90

RCM

Date Sampled 03/28/90

Dilution Factor 3

PRIORITY POLLUTANTS: ACID EXTRACTABLES FRACTION
Soil Procedure/Sonication Extraction
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED DATE/TIME/ANALYST
Phenol [100-95-23]	3.2	.99	ug/G	SW8270	04/17/90 17:07 JR
2-Chlorophenol [95-57-83]	ND	.99	ug/G	SW8270	04/17/90 17:07 JR
2-Nitrophenol [88-75-5]	ND	.99	ug/G	SW8270	04/17/90 17:07 JR
2,4-Dimethylphenol [105-67-93]	ND	.99	ug/G	SW8270	04/17/90 17:07 JR
2,4-Dichlorophenol [120-83-2]	ND	.99	ug/G	SW8270	04/17/90 17:07 JR
4-Chloro-3-methylphenol [59-56-7]	ND	.99	ug/G	SW8270	04/17/90 17:07 JR
2,4,6-Trichlorophenol [38-06-2]	ND	.99	ug/G	SW8270	04/17/90 17:07 JR
2,4-Dinitrophenol [51-28-5]	ND	5.1	ug/G	SW8270	04/17/90 17:07 JR
4-Nitrophenol [100-02-7]	ND	5.1	ug/G	SW8270	04/17/90 17:07 JR
2-Methyl-4,6-dinitrophenol [534-52-1]	ND	5.1	ug/G	SW8270	04/17/90 17:07 JR
Pentachlorophenol [87-86-5]	ND	5.1	ug/G	SW8270	04/17/90 17:07 JR
SURROGATE RECOVERY-ACID FRACTION					
2-Fluorophenol (SURROGATE)	34		% REC	SW8270	04/17/90 17:07 JR
Phenol-d6 (SURROGATE)	52		% REC	SW8270	04/17/90 17:07 JR
2,4,6-Tribromophenol (SURROGATE)	69		% REC	SW8270	04/17/90 17:07 JR

Extraction and Analytical Method: USEPA 8270, SW-846

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit.

ART 100406



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5634

Respectfully
Submitted:

AV-3 14:45

NITRO SANITATION LANDFILL 3103

Sampled by CLIENT

Date Received 03/28/90

Date Sampled 03/28/90

Dilution Factor 3

PRIORITY POLLUTANTS-EXTRACTABLE ORGANICS
ACID & BASE/NEUTRAL FRACTIONS
Sonication Extraction
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED DATE/TIME/ANALYST
N-Nitrosodimethylamine[62-75-9]	ND	3.1	ug/G	SW8270	04/17/90 17:07 JR
Bis(2-chloroethyl)ether[111-44-4]	ND	.99	ug/G	SW8270	04/17/90 17:07 JR
1,3-Dichlorobenzene[541-73-1]	ND	.99	ug/G	SW8270	04/17/90 17:07 JR
1,4-Dichlorobenzene[106-46-7]	ND	.99	ug/G	SW8270	04/17/90 17:07 JR
1,2-Dichlorobenzene[95-50-1]	ND	.99	ug/G	SW8270	04/17/90 17:07 JR
Bis(2-chloroisopropyl)ether[39638-32-9]	ND	.99	ug/G	SW8270	04/17/90 17:07 JR
N-Nitrosodi-n-propylamine[621-64-7]	ND	2.01	ug/G	SW8270	04/17/90 17:07 JR
Nitrobenzene[98-95-3]	ND	.99	ug/G	SW8270	04/17/90 17:07 JR
Hexachloroethane[67-72-1]	ND	.99	ug/G	SW8270	04/17/90 17:07 JR
Isophorone[78-59-1]	ND	.99	ug/G	SW8270	04/17/90 17:07 JR
Bis(2-Chloroethoxy)methane[111-91-1]	ND	.99	ug/G	SW8270	04/17/90 17:07 JR
1,2,4-Trichlorobenzene[120-82-1]	ND	.99	ug/G	SW8270	04/17/90 17:07 JR
Naphthalene[91-20-3]	ND	.99	ug/G	SW8270	04/17/90 17:07 JR
Hexachlorobutadiene[37-68-3]	ND	.99	ug/G	SW8270	04/17/90 17:07 JR
Hexachlorocyclopentadiene[77-47-4]	ND	.99	ug/G	SW8270	04/17/90 17:07 JR
2-Chloronaphthalene[91-58-7]	ND	.99	ug/G	SW8270	04/17/90 17:07 JR
Dimethylphthalate[131-11-3]	ND	.99	ug/G	SW8270	04/17/90 17:07 JR
Acenaphthylene[208-96-8]	ND	.99	ug/G	SW8270	04/17/90 17:07 JR
Acenaphthene[83-32-9]	ND	.99	ug/G	SW8270	04/17/90 17:07 JR
2,6-Dinitrotoluene[606-20-2]	ND	.99	ug/G	SW8270	04/17/90 17:07 JR
2,4-Dinitrotoluene[121-14-2]	ND	.99	ug/G	SW8270	04/17/90 17:07 JR
Fluorene[86-73-7]	ND	.99	ug/G	SW8270	04/17/90 17:07 JR
4-Chlorophenylphenylether[7005-72-3]	ND	.99	ug/G	SW8270	04/17/90 17:07 JR
1,2-Diphenylhydrazine[122-66-7]	ND	.99	ug/G	SW8270	04/17/90 17:07 JR
Diallylphthalate[84-66-2]	ND	.99	ug/G	SW8270	04/17/90 17:07 JR
N-Nitrosodiphenylamine[86-30-6]	ND	2.01	ug/G	SW8270	04/17/90 17:07 JR
Hexachlorobenzene[118-74-1]	ND	.99	ug/G	SW8270	04/17/90 17:07 JR
4-Bromophenylphenylether[101-55-3]	ND	.99	ug/G	SW8270	04/17/90 17:07 JR
Phenanthrene[85-01-8]	ND	.99	ug/G	SW8270	04/17/90 17:07 JR

REF: USEPA; Test Methods For Evaluating Solid Waste; SW-846, 3rd Ed.; Nov, 1986.

AR100407

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5634

Respectfully
Submitted:

NV-5 14:45

Sampled by CLIENT

NITRO SANITATION LANDFILL 3103

Date Received 03/28/90

RC [Signature]

Date Sampled 03/28/90

Dilution Factor 3

PAGE

PRIORITY POLLUTANTS-EXTRACTABLE ORGANICS
ACID & BASE/NEUTRAL FRACTIONS
Sonication Extraction
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED DATE/TIME/ANALYST
Anthracene[120-12-73]	ND	.99	ug/G	SW8270	04/17/90 17:07 JR
Di-n-butylphthalate[34-74-23]	ND	.99	ug/G	SW8270	04/17/90 17:07 JR
Fluoranthene[206-44-03]	ND	.99	ug/G	SW8270	04/17/90 17:07 JR
Pyrene[129-00-03]	ND	.99	ug/G	SW8270	04/17/90 17:07 JR
Benzidine[92-87-53]	ND	5.1	ug/G	SW8270	04/17/90 17:07 JR
1-benzylphthalate[85-68-73]	ND	.99	ug/G	SW8270	04/17/90 17:07 JR
(2-ethylhexyl) phthalate[117-81-73]	ND	.99	ug/G	SW8270	04/17/90 17:07 JR
Chrysenes[218-01-93]	ND	.99	ug/G	SW8270	04/17/90 17:07 JR
Benz(a)anthracene[56-35-33]	ND	.99	ug/G	SW8270	04/17/90 17:07 JR
3,3'-Dichlorobenzidine[91-94-13]	ND	.99	ug/G	SW8270	04/17/90 17:07 JR
Di-n-octylphthalate[117-84-03]	ND	.99	ug/G	SW8270	04/17/90 17:07 JR
Benzo(b)fluoranthene[205-99-23]	ND	.99	ug/G	SW8270	04/17/90 17:07 JR
Benzo(k)fluoranthene[207-08-93]	ND	.99	ug/G	SW8270	04/17/90 17:07 JR
Benzo(a)pyrene[50-32-83]	ND	.99	ug/G	SW8270	04/17/90 17:07 JR
Indeno(1,2,3-cd)pyrene[193-59-53]	ND	2.01	ug/G	SW8270	04/17/90 17:07 JR
Di-benzo(a,h)anthracene[53-70-33]	ND	2.01	ug/G	SW8270	04/17/90 17:07 JR
Benzo(ghi)perylene[191-24-23]	ND	2.01	ug/G	SW8270	04/17/90 17:07 JR
SURROGATE RECOVERY-BASE/NEUTRAL FRACTION					
Nitrobenzene-d5(SURROGATE)	66		X REC	SW8270	04/17/90 17:07 JR
2-Fluorobiphenyl(SURROGATE)	86		X REC	SW8270	04/17/90 17:07 JR
Terphenyl-d14(SURROGATE)	75		X REC	SW8270	04/17/90 17:07 JR

REF: USEPA; Test Methods For Evaluating Solid Waste; SW-846, 3rd Ed.; Nov, 1986.

ND: Not detected at a concentration greater than or equal to the MDL - Method Ref: 00408 it.



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5634

Respectfully
Submitted:

WV-5 14:45
NITRO SANITATION LANDFILL 3103

Sampled by CLIENT
Date Received 03/23/90

Date Sampled 03/28/90

PRIORITY POLLUTANT LIST: VOLATILE ORGANICS
Soil Procedure/Methanol Extraction
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED DATE/TIME/ANALYST
Chloromethane[74-87-3]	ND	0.63	ug/G	SW8240	04/09/90 16:10 MAM
Bromomethane[74-83-9]	ND	0.63	ug/G	SW8240	04/09/90 16:10 MAM
Vinyl Chloride[75-01-4]	ND	0.63	ug/G	SW8240	04/09/90 16:10 MAM
Chloroethane[75-00-3]	ND	0.63	ug/G	SW8240	04/09/90 16:10 MAM
Methylene Chloride[75-09-2]	ND	0.63	ug/G	SW8240	04/09/90 16:10 MAM
1,1-Dichloroethene[75-35-4]	ND	0.63	ug/G	SW8240	04/09/90 16:10 MAM
1,1-Dichloroethane[75-34-3]	ND	0.63	ug/G	SW8240	04/09/90 16:10 MAM
Trans-1,2-Dichloroethene[156-60-5]	ND	0.63	ug/G	SW8240	04/09/90 16:10
Chloroform[67-66-3]	ND	0.63	ug/G	SW8240	04/09/90 16:10 MAM
1,2-Dichloroethane[107-06-2]	ND	0.63	ug/G	SW8240	04/09/90 16:10 MAM
1,1,1-Trichloroethane	ND	0.63	ug/G	SW8240	04/09/90 16:10 MAM
Carbon Tetrachloride[56-23-5]	ND	0.63	ug/G	SW8240	04/09/90 16:10 MAM
Bromodichloromethane[75-27-4]	ND	0.63	ug/G	SW8240	04/09/90 16:10 MAM
1,2-Dichloropropane[78-87-5]	ND	0.63	ug/G	SW8240	04/09/90 16:10 MAM
Trans-1,3-Dichloropropene[10061-02-6]	ND	0.63	ug/G	SW8240	04/09/90 16:10 MAM
Cis-1,3-Dichloropropene[10061-01-5]	ND	0.63	ug/G	SW8240	04/09/90 16:10 MAM
Trichloroethane[79-01-6]	ND	0.63	ug/G	SW8240	04/09/90 16:10 MAM
Dibromochloromethane[124-48-1]	ND	0.63	ug/G	SW8240	04/09/90 16:10 MAM
1,1,2-Trichloroethane[79-00-5]	ND	0.63	ug/G	SW8240	04/09/90 16:10 MAM
2-Chloroethylvinylether[110-75-8]	ND	1.3	ug/G	SW8240	04/09/90 16:10 MAM
Bromoform[75-25-2]	ND	0.63	ug/G	SW8240	04/09/90 16:10 MAM
1,1,2,2-Tetrachloroethane[79-34-5]	ND	0.63	ug/G	SW8240	04/09/90 16:10 MAM
Tetrachloroethane[127-18-4]	ND	0.63	ug/G	SW8240	04/09/90 16:10 MAM
Benzene[71-43-2]	ND	0.63	ug/G	SW8240	04/09/90 16:10 MAM
Toluene[108-88-3]	ND	0.63	ug/G	SW8240	04/09/90 16:10 MAM
Ethylbenzene[100-41-4]	ND	0.63	ug/G	SW8240	04/09/90 16:10 MAM
Chlorobenzene[108-90-7]	ND	0.63	ug/G	SW8240	04/09/90 16:10 MAM
Acrylonitrile[107-13-1]	ND	6.3	ug/G	SW8240	04/09/90 16:10 MAM
Acrolein[107-02-8]	ND	6.3	ug/G	SW8240	04/09/90 16:10 MAM

SURROGATE RECOVERY-VOLATILE FRACTION

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit.

Analytical Methods: USEPA 8240, SW-846 (Purge/Trap/Desorb or Direct Injection)

AR100409



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5634

Respectfully
Submitted:

WV-5 14:45
NITRO SANITATION LANDFILL 3103

Sampled by CLIENT
Date Received 03/28/90

RCM

Date Sampled 03/28/90

PAGE

PRIORITY POLLUTANT LIST: VOLATILE ORGANICS
Soil Procedure/Methanol Extraction
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED DATE/TIME/ANALYST
1,2-Dichloroethane-d4 (SURROGATE)	81	-----	% REC	SW8240	04/09/90 16:10 MAM
Toluene-d8 (SURROGATE)	82	-----	% REC	SW8240	04/09/90 16:10 MAM
Bromofluorobenzene (SURROGATE)	97	-----	% REC	SW8240	04/09/90 16:10 MAM

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit.

Analytical Method: USEPA 8240, SW-846 (Purge/Trap/Desorb or Direct Injection)

AR100410



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5635

Respectfully
Submitted:

WV-6 15:00
NITRO SANITATION LANDFILL 3103

Sampled by CLIENT
Date Received 03/28/90

RC Murphy

Date Sampled 03/28/90

Dilution Factor 10

PRIORITY POLLUTANTS: ACID EXTRACTABLES FRACTION
Soil Procedure/Sonication Extraction
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED		
					DATE/TIME/ANALYST		
Phenol[108-95-2]	1400	3.3	ug/G	SW8270	04/17/90	20:49	JR D
2-Chlorophenol[95-57-8]	ND	3.3	ug/G	SW8270	04/17/90	20:49	JR
2-Nitrophenol[88-75-5]	ND	3.3	ug/G	SW8270	04/17/90	20:49	JR
2,4-Dimethylphenol[105-67-9]	ND	3.3	ug/G	SW8270	04/17/90	20:49	JR
2,4-Dichlorophenol[120-83-2]	ND	3.3	ug/G	SW8270	04/17/90	20:49	JR
4-Chloro-3-methylphenol[59-50-7]	ND	3.3	ug/G	SW8270	04/17/90	20:49	JR
2,4,6-Trichlorophenol[88-06-2]	ND	3.3	ug/G	SW8270	04/17/90	20:49	JR
2,4-Dinitrophenol[51-28-5]	ND	17	ug/G	SW8270	04/17/90	20:49	
4-Nitrophenol[100-02-7]	ND	17	ug/G	SW8270	04/17/90	20:49	
2-Methyl-4,6-dinitrophenol[534-52-1]	ND	17	ug/G	SW8270	04/17/90	20:49	JR
Pentachlorophenol[87-86-5]	ND	17	ug/G	SW8270	04/17/90	20:49	JR
SURROGATE RECOVERY-ACID FRACTION							
2-Fluorophenol (SURROGATE)	69		% REC	SW8270	04/17/90	20:49	JR
Phenol-86 (SURROGATE)	19		% REC	SW8270	04/17/90	20:49	JR *
2,4,6-Tribromophenol (SURROGATE)	37		% REC	SW8270	04/17/90	20:49	JR

Extraction and Analytical Method: USEPA 8270, SW-846

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit.

* Recovery was lower than the normally accepted value of 24.

D: Result was obtained from the 1/100 dilution.

AR100411

1256 GREENBRIER STREET, CHARLESTON, WEST VIRGINIA 25311 — TELEPHONE 304 348-0725

4643 BENSON AVENUE, BALTIMORE, MARYLAND 21227 — TELEPHONE 301 247-7400

CINCINNATI, OHIO AREA — TELEPHONE 513 421-3872 OR 606 344-0084



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5635

Respectfully
Submitted:

WV-6 15:00
NITRO SANITATION LANDFILL 3103

Sampled by CLIENT
Date Received 03/28/90

RCM

Date Sampled 03/28/90

Dilution Factor 10

PRIORITY POLLUTANTS-EXTRACTABLE ORGANICS
ACID & BASE/NEUTRAL FRACTIONS
Sonication Extraction
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED DATE/TIME/ANALYST
4-Nitrosodimethylamine[62-73-9]	ND		17 ug/G	SW8270	04/17/90 20:49 JR
Bis(2-chloroethyl)ether[111-44-4]	ND		3.3 ug/G	SW8270	04/17/90 20:49 JR
1,3-Dichlorobenzene[106-46-7]	ND		3.3 ug/G	SW8270	04/17/90 20:49 JR
1,4-Dichlorobenzene[95-50-1]	ND		3.3 ug/G	SW8270	04/17/90 20:49 JR
1,2-Dichlorobenzene[95-50-1]	ND		3.3 ug/G	SW8270	04/17/90 20:49 JR
Bis(2-chloroisopropyl)ether[39638-32-9]	ND		3.3 ug/G	SW8270	04/17/90 20:49 JR
trosodi-n-propylamine[621-64-7]	ND		6.7 ug/G	SW8270	04/17/90 20:49 JR
obenzene[98-95-3]	ND		3.3 ug/G	SW8270	04/17/90 20:49 JR
hexachloroethane[67-72-1]	ND		3.3 ug/G	SW8270	04/17/90 20:49 JR
isopnorne[78-59-1]	ND		3.3 ug/G	SW8270	04/17/90 20:49 JR
Bis(2-Chloroethoxy)methane[111-91-1]	ND		3.3 ug/G	SW8270	04/17/90 20:49 JR
1,2,4-Trichlorobenzene[120-82-1]	ND		3.3 ug/G	SW8270	04/17/90 20:49 JR
naphthalene[91-20-3]	ND		3.3 ug/G	SW8270	04/17/90 20:49 JR
hexachlorobutadiene[87-68-3]	ND		3.3 ug/G	SW8270	04/17/90 20:49 JR
hexachlorocyclopentadiene[77-47-4]	ND		3.3 ug/G	SW8270	04/17/90 20:49 JR
2-Chloronaphthalene[91-58-7]	ND		3.3 ug/G	SW8270	04/17/90 20:49 JR
Dimethylphthalate[131-11-3]	ND		3.3 ug/G	SW8270	04/17/90 20:49 JR
Acenaphthylene[208-96-8]	ND		3.3 ug/G	SW8270	04/17/90 20:49 JR
Acenaphthene[83-32-9]	ND		3.3 ug/G	SW8270	04/17/90 20:49 JR
1,6-Dinitrotoluene[606-20-2]	ND		3.3 ug/G	SW8270	04/17/90 20:49 JR
2,4-Dinitrotoluene[121-14-2]	ND		3.3 ug/G	SW8270	04/17/90 20:49 JR
Fluorene[86-73-7]	ND		3.3 ug/G	SW8270	04/17/90 20:49 JR
4-Chloropnnylphenylether[7005-72-3]	ND		3.3 ug/G	SW8270	04/17/90 20:49 JR
1,2-Diphenylhydrazine[122-66-7]	ND		3.3 ug/G	SW8270	04/17/90 20:49 JR
Diethylphthalate[84-66-2]	ND		3.3 ug/G	SW8270	04/17/90 20:49 JR
n-Nitrosodiphenylamine[86-36-6]	ND		6.7 ug/G	SW8270	04/17/90 20:49 JR
Hexachlorobenzene[118-74-1]	ND		3.3 ug/G	SW8270	04/17/90 20:49 JR
4-Bromophenylphenylether[101-55-3]	ND		3.3 ug/G	SW8270	04/17/90 20:49 JR
Phenanthrene[85-01-8]	ND		3.3 ug/G	SW8270	04/17/90 20:49 JR

REF: USEPA; Test Methods For Evaluating Solid Waste; SW-846, 3rd Ed. Nov, 1986.

Not detected at a concentration greater than or equal to the MDL - Method detection limit. **AR 100412**

1256 GREENBRIER STREET, CHARLESTON, WEST VIRGINIA 25311 — TELEPHONE 304 346-0725

4643 BENSON AVENUE, BALTIMORE, MARYLAND 21227 — TELEPHONE 301 247-7400

CINCINNATI, OHIO AREA — TELEPHONE 513 421-3872 OR 606 344-0084



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5635

Respectfully
Submitted:

WV-6 15:00
WITRO SANITATION LANDFILL 3103

Sampled by CLIENT
Date Received 03/28/90

RCM

Date Sampled 03/28/90

Dilution Factor 10

PAGE 2

PRIORITY POLLUTANTS-EXTRACTABLE ORGANICS
ACID & BASE/NEUTRAL FRACTIONS
Sonication Extraction
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED DATE/TIME/ANALYST
Anthracene[120-12-7]	ND	3.3	ug/G	SW8270	04/17/90 20:49 JR
Di-n-butylphthalate[34-74-2]	ND	3.3	ug/G	SW8270	04/17/90 20:49 JR
Fluoranthene[206-44-0]	ND	3.3	ug/G	SW8270	04/17/90 20:49 JR
Pyrene[129-00-0]	ND	3.3	ug/G	SW8270	04/17/90 20:49 JR
Benzidine[92-87-5]	ND	17	ug/G	SW8270	04/17/90 20:49 JR
Butylbenzylphthalate[85-68-7]	ND	3.3	ug/G	SW8270	04/17/90 20:49 J
Bis(2-ethylhexyl)phthalate[117-81-7]	ND	3.3	ug/G	SW8270	04/17/90 20:49 J.
Chrysene[218-01-9]	ND	3.3	ug/G	SW8270	04/17/90 20:49 JR
Benz(a)anthracene[56-55-3]	ND	3.3	ug/G	SW8270	04/17/90 20:49 JR
2,3'-Dichlorobenzidine[91-94-1]	ND	3.3	ug/G	SW8270	04/17/90 20:49 JR
Di-n-octylphthalate[117-84-0]	ND	3.3	ug/G	SW8270	04/17/90 20:49 JR
Benzo(b)fluoranthene[205-99-2]	ND	3.3	ug/G	SW8270	04/17/90 20:49 JR
Benzo(k)fluoranthene[207-08-9]	ND	3.3	ug/G	SW8270	04/17/90 20:49 JR
Benzo(a)pyrene[50-32-8]	ND	3.3	ug/G	SW8270	04/17/90 20:49 JR
Indeno(1,2,3-cd)pyrene[193-39-5]	ND	6.7	ug/G	SW8270	04/17/90 20:49 JR
Dibenzo(a,h)anthracene[53-70-3]	ND	6.7	ug/G	SW8270	04/17/90 20:49 JR
Benzo(ghi)perylene[191-24-2]	ND	6.7	ug/G	SW8270	04/17/90 20:49 JR
SURROGATE RECOVERY-BASE/NEUTRAL FRACTION					
Nitrobenzene-d5(SURROGATE)	64		X REC	SW8270	04/17/90 20:49 JR
2-Fluorobiphenyl(SURROGATE)	71		X REC	SW8270	04/17/90 20:49 JR
Terphenyl-d14(SURROGATE)	61		X REC	SW8270	04/17/90 20:49 JR

REF: USEPA; Test Methods For Evaluating Solid Waste; SW-846, 3rd Ed.; Nov, 1986.

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit.

ART00413

1256 GREENBRIER STREET, CHARLESTON, WEST VIRGINIA 25311 — TELEPHONE 304 348-0725

4643 BENSON AVENUE, BALTIMORE, MARYLAND 21227 — TELEPHONE 301 247-7400

CINCINNATI, OHIO AREA — TELEPHONE 513 421-3872 OR 606 344-0084



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5635

Respectfully Submitted:

WV-6 15:00
NITRO SANITATION LANDFILL 3103

Sampled by CLIENT
Date Received 03/28/90

RC Murphy

Date Sampled 03/28/90

PRIORITY POLLUTANT LIST: VOLATILE ORGANICS
Soil Procedure/Methanol Extraction
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED DATE/TIME/ANALYST
Chloromethane[74-87-3]	ND	0.63	ug/G	SW8240	04/09/90 16:50 MAM
Bromomethane[74-83-9]	ND	0.63	ug/G	SW8240	04/09/90 16:50 MAM
Vinyl Chloride[75-01-4]	ND	0.63	ug/G	SW8240	04/09/90 16:50 MAM
Chloroethane[75-00-3]	ND	0.63	ug/G	SW8240	04/09/90 16:50 MAM
Methylene Chloride[75-09-2]	ND	0.63	ug/G	SW8240	04/09/90 16:50 MAM
1,1-Dichloroethene[75-35-4]	ND	0.63	ug/G	SW8240	04/09/90 16:50 MAM
1,1-Dichloroethane[75-34-3]	ND	0.63	ug/G	SW8240	04/09/90 16:50 MAM
trans-1,2-Dichloroethene[156-60-5]	ND	0.63	ug/G	SW8240	04/09/90 16:50 MAM
Chloroform[67-66-3]	ND	0.63	ug/G	SW8240	04/09/90 16:50 MAM
1,2-Dichloroethane[107-06-2]	ND	0.63	ug/G	SW8240	04/09/90 16:50 MAM
1,1,1-Trichloroethane	ND	0.63	ug/G	SW8240	04/09/90 16:50 MAM
Carbon Tetrachloride[56-23-5]	ND	0.63	ug/G	SW8240	04/09/90 16:50 MAM
Bromodichloromethane[75-27-4]	ND	0.63	ug/G	SW8240	04/09/90 16:50 MAM
1,2-Dichloropropane[78-87-5]	ND	0.63	ug/G	SW8240	04/09/90 16:50 MAM
trans-1,3-Dichloropropene[10061-02-6]	ND	0.63	ug/G	SW8240	04/09/90 16:50 MAM
cis-1,3-Dichloropropene[10061-01-5]	ND	0.63	ug/G	SW8240	04/09/90 16:50 MAM
Trichloroethane[79-01-6]	ND	0.63	ug/G	SW8240	04/09/90 16:50 MAM
Dibromochloromethane[124-48-1]	ND	0.63	ug/G	SW8240	04/09/90 16:50 MAM
1,1,2-Trichloroethane[79-00-5]	ND	0.63	ug/G	SW8240	04/09/90 16:50 MAM
2-Chloroethylvinylether[110-75-8]	ND	1.3	ug/G	SW8240	04/09/90 16:50 MAM
Bromoform[75-25-2]	ND	0.63	ug/G	SW8240	04/09/90 16:50 MAM
1,1,2,2-Tetrachloroethane[79-34-5]	ND	0.63	ug/G	SW8240	04/09/90 16:50 MAM
Tetrachloroethene[127-18-4]	ND	0.63	ug/G	SW8240	04/09/90 16:50 MAM
Benzene[71-43-2]	ND	0.63	ug/G	SW8240	04/09/90 16:50 MAM
Toluene[108-88-3]	ND	0.63	ug/G	SW8240	04/09/90 16:50 MAM
Ethylbenzene[100-41-4]	ND	0.63	ug/G	SW8240	04/09/90 16:50 MAM
Chlorobenzene[108-90-7]	ND	0.63	ug/G	SW8240	04/09/90 16:50 MAM
Acrylonitrile[107-13-1]	ND	6.3	ug/G	SW8240	04/09/90 16:50 MAM
Acrolein[107-02-8]	ND	6.3	ug/G	SW8240	04/09/90 16:50 MAM
SURROGATE RECOVERY-VOLATILE FRACTION					

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit.

Analytical Method: USEPA 8240, SW-846 (Purge/Trap/Desorb or Direct Injection)

AR100414

1256 GREENBRIER STREET, CHARLESTON, WEST VIRGINIA 25311 — TELEPHONE 304 348-0725

4643 BENSON AVENUE, BALTIMORE, MARYLAND 21227 — TELEPHONE 301 247-7400

2000 W. GINNING ST., CINCINNATI, OHIO 45202 — TELEPHONE 513 421-3872 OR 606 344-0084



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5635

Respectfully
Submitted:

WV-6 15:00
NITRO SANITATION LANDFILL 3103

Sampled by CLIENT
Date Received 03/28/90

RC Murphy

Date Sampled 03/28/90

PAGE 1

PRIORITY POLLUTANT LIST: VOLATILE ORGANICS
Soil Procedure/Methanol Extraction
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED DATE/TIME/ANALYST
1,2-Dichloroethane-d4 (SURROGATE)	35	-----	X REC	SW8240	04/09/90 16:50 MAM
Toluene-d8 (SURROGATE)	111	-----	X REC	SW8240	04/09/90 16:50 MAM
Bromofluorobenzene (SURROGATE)	33	-----	X REC	SW8240	04/09/90 16:50 MAM

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit.

Analytical Method: USEPA 8240, SW-846 (Purge/Trap/Desorb or Direct Injection)

AR100415



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5636

Respectfully
Submitted:

WV-7 15:20
NITRO SANITATION LANDFILL 3103

Sampled by CLIENT
Date Received 03/28/90

RCM

Date Sampled 03/28/90

Dilution Factor 5

PRIORITY POLLUTANTS: ACID EXTRACTABLES FRACTION
Soil Procedure/Sonication Extraction
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED		
					DATE/TIME/ANALYST		
Phenol[100-95-2]	250		1.65 ug/G	SW8270	04/12/90	22:34	JR
2-Chlorophenol[95-57-8]	ND		1.65 ug/G	SW8270	04/12/90	22:34	JR
3-Nitrophenol[98-75-5]	ND		1.65 ug/G	SW8270	04/12/90	22:34	JR
1,4-Dimethylphenol[105-67-9]	3.9		1.65 ug/G	SW8270	04/12/90	22:34	JR
2,4-Dichlorophenol[120-83-2]	ND		1.65 ug/G	SW8270	04/12/90	22:34	JR
4-Chloro-3-methylphenol[59-50-7]	ND		1.65 ug/G	SW8270	04/12/90	22:34	JR
2,4,6-Trichlorophenol[88-06-2]	ND		1.65 ug/G	SW8270	04/12/90	22:34	JR
4-Dinitrophenol[51-28-5]	ND		8.5 ug/G	SW8270	04/12/90	22:34	JR
3-Nitrophenol[100-02-7]	ND		8.5 ug/G	SW8270	04/12/90	22:34	JR
2-Methyl-4,6-dinitrophenol[534-32-1]	ND		8.5 ug/G	SW8270	04/12/90	22:34	JR
Pentachlorophenol[87-86-5]	ND		8.5 ug/G	SW8270	04/12/90	22:34	JR
SURROGATE RECOVERY-ACID FRACTION							
2-Fluorophenol (SURROGATE)	25		* REC	SW8270	04/12/90	22:34	JR *
Phenol-d6 (SURROGATE)	23		* REC	SW8270	04/12/90	22:34	JR *
2,4,6-Tribromophenol (SURROGATE)	18		* REC	SW8270	04/12/90	22:34	JR

Extraction and Analytical Method: USEPA 8270, SW-846

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit.

D: Result was obtained from the 1/20 dilution.

* Recovery was lower than the normally accepted value of 26.

** Recovery was lower than the normally accepted value of 24.

AR100416



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5636

Respectfully Submitted:

WV-7 15:20

NITRO SANITATION LANDFILL 3103

Sampled by CLIENT

Date Received 03/28/90

Date Sampled 03/28/90

Dilution Factor 5

PRIORITY POLLUTANTS-EXTRACTABLE ORGANICS
ACID & BASE/NEUTRAL FRACTIONS
Sonication Extraction
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED DATE/TIME/ANALYST
N-Nitrosodimethylamine[62-75-3]	ND	3.3	ug/G	SW8270	04/12/90 22:34 JR
Bis(2-chloroethyl)ether[111-44-4]	ND	1.65	ug/G	SW8270	04/12/90 22:34 JR
1,3-Dichlorobenzene[541-73-1]	ND	1.65	ug/G	SW8270	04/12/90 22:34 JR
1,4-Dichlorobenzene[106-46-7]	ND	1.65	ug/G	SW8270	04/12/90 22:34 JR
1,2-Dichlorobenzene[95-50-1]	ND	1.65	ug/G	SW8270	04/12/90 22:34 JR
Bis(2-chloroisopropyl)ether[39638-52-9]	ND	1.65	ug/G	SW8270	04/12/90 22:34 JR
N-Nitrosodi-n-propylamine[621-64-7]	ND	3.35	ug/G	SW8270	04/12/90 22:34 JR
Nitrobenzene[98-95-3]	ND	1.65	ug/G	SW8270	04/12/90 22:34 JR
Hexachloroethane[67-72-1]	ND	1.65	ug/G	SW8270	04/12/90 22:34 JR
Isophorone[78-59-1]	ND	1.65	ug/G	SW8270	04/12/90 22:34 JR
Bis(2-Chloroethoxy)methane[111-91-1]	ND	1.65	ug/G	SW8270	04/12/90 22:34 JR
1,2,4-Trichlorobenzene[120-82-1]	ND	1.65	ug/G	SW8270	04/12/90 22:34 JR
Naphthalene[91-20-3]	ND	1.65	ug/G	SW8270	04/12/90 22:34 JR
Hexachlorobutadiene[67-68-3]	ND	1.65	ug/G	SW8270	04/12/90 22:34 JR
Hexachlorocyclopentadiene[77-47-4]	ND	1.65	ug/G	SW8270	04/12/90 22:34 JR
2-Chloronaphthalene[91-58-7]	ND	1.65	ug/G	SW8270	04/12/90 22:34 JR
Dimethylphthalate[131-11-3]	ND	1.65	ug/G	SW8270	04/12/90 22:34 JR
Acenaphthylene[208-96-8]	ND	1.65	ug/G	SW8270	04/12/90 22:34 JR
Acenaphthene[133-32-9]	ND	1.65	ug/G	SW8270	04/12/90 22:34 JR
2,6-Dinitrotoluene[606-20-2]	ND	1.65	ug/G	SW8270	04/12/90 22:34 JR
2,4-Dinitrotoluene[121-14-2]	ND	1.65	ug/G	SW8270	04/12/90 22:34 JR
Fluorene[86-73-7]	ND	1.65	ug/G	SW8270	04/12/90 22:34 JR
4-Chlorophenylphenylether[7005-72-3]	ND	1.65	ug/G	SW8270	04/12/90 22:34 JR
1,2-Diphenylhydrazine[122-66-7]	ND	1.65	ug/G	SW8270	04/12/90 22:34 JR
Diethylphthalate[84-66-2]	ND	1.65	ug/G	SW8270	04/12/90 22:34 JR
n-Nitrosodiphenylamine[86-30-6]	ND	3.35	ug/G	SW8270	04/12/90 22:34 JR
Hexachlorobenzene[118-74-1]	ND	1.65	ug/G	SW8270	04/12/90 22:34 JR

REF: USEPA; Test Methods For Evaluating Solid Waste; SW-846, 3rd Ed.; Nov, 1986.

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit.

* Estimated value, daily calibration response exceeded the initial RF by more than 30% ART 00417

1256 GREENBRIER STREET, CHARLESTON, WEST VIRGINIA 25311 — TELEPHONE 304 348-0725

4643 BENSON AVENUE, BALTIMORE, MARYLAND 21227 — TELEPHONE 301 247-7400

CINCINNATI, OHIO AREA — TELEPHONE 513 421-3872 OR 800 344-0084



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5636

Respectfully
Submitted:

WV-7 15:20
NITRO SANITATION LANDFILL 3103

Sampled by CLIENT
Date Received 03/28/90

Date sampled 03/28/90

Dilution Factor 5

PAGE 2

PRIORITY POLLUTANTS-EXTRACTABLE ORGANICS
ACID & BASE/NEUTRAL FRACTIONS
Sonication Extraction
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED DATE/TIME/ANALYST
4-Bromophenylphenyl ether [101-55-3]	ND	1.65	ug/G	SW8270	04/12/90 22:34 JR
Phenanthrene [85-01-8]	9.5	1.65	ug/G	SW8270	04/12/90 22:34 JR
Anthracene [120-12-7]	3.1	1.65	ug/G	SW8270	04/12/90 22:34 JR
Di-n-butylphthalate [84-74-2]	ND	1.65	ug/G	SW8270	04/12/90 22:34 JR
Fluoranthene [206-44-0]	9.4	1.65	ug/G	SW8270	04/12/90 22:34 JR
ene [129-00-0]	7.4*	1.65	ug/G	SW8270	04/12/90 22:34 JR
idine [92-87-5]	ND	8.5	ug/G	SW8270	04/12/90 22:34 JR
Butylbenzylphthalate [85-68-7]	ND	1.65	ug/G	SW8270	04/12/90 22:34 JR
Bis(2-ethylhexyl)phthalate [117-81-7]	ND	1.65	ug/G	SW8270	04/12/90 22:34 JR
Chrysene [218-01-9]	4.0	1.65	ug/G	SW8270	04/12/90 22:34 JR
Benz(a)anthracene [56-55-3]	4.2	1.65	ug/G	SW8270	04/12/90 22:34 JR
3,3'-Dichlorobenzidine [91-94-1]	ND	1.65	ug/G	SW8270	04/12/90 22:34 JR
Di-n-octylphthalate [117-84-0]	ND	1.65	ug/G	SW8270	04/12/90 22:34 JR
Benzo(b)fluoranthene [205-99-2]	10	1.65	ug/G	SW8270	04/12/90 22:34 JR
Benzo(k)fluoranthene [207-08-9]	ND	1.65	ug/G	SW8270	04/12/90 22:34 JR
Benzo(a)pyrene [50-32-8]	ND	1.65	ug/G	SW8270	04/12/90 22:34 JR
Indeno(1,2,3-cd)pyrene [193-39-5]	ND	3.35	ug/G	SW8270	04/12/90 22:34 JR
Dibenzo(a,h)anthracene [53-70-3]	ND	3.35	ug/G	SW8270	04/12/90 22:34 JR
Benzo(g,h,i)perylene [191-24-2]	ND	3.35	ug/G	SW8270	04/12/90 22:34 JR
SURROGATE RECOVERY-BASE/NEUTRAL FRACTION					
Nitrobenzene-d5 (SURROGATE)	71		X REC	SW8270	04/12/90 22:34 JR
2-Fluorobiphenyl (SURROGATE)	79		X REC	SW8270	04/12/90 22:34 JR
Terphenyl-d14 (SURROGATE)	49		X REC	SW8270	04/12/90 22:34 JR

REF: USEPA; Test Methods For Evaluating Solid Waste; SW-846, 3rd Ed.; Nov, 1986.

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit.

* Estimated value, daily calibration response exceeded the initial RF by more than 30%.

AR100418



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5636

Respectfully
Submitted:

WV-7 15:20
NITRO SANITATION LANDFILL 3103

Sampled by CLIENT
Date Received 03/28/90

RCM

Date Sampled 03/28/90

PRIORITY POLLUTANT LIST: VOLATILE ORGANICS
Soil Procedure/Methanol Extraction
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED DATE/TIME/ANALYST
Chloromethane[74-87-3]	ND	0.63	ug/G	SW8240	04/09/90 17:30 MAM
Bromomethane[74-83-9]	ND	0.63	ug/G	SW8240	04/09/90 17:30 MAM
Vinyl Chloride[75-01-4]	ND	0.63	ug/G	SW8240	04/09/90 17:30 MAM
Chloroethane[75-00-3]	ND	0.63	ug/G	SW8240	04/09/90 17:30 MAM
Methylene Chloride[75-09-2]	ND	0.63	ug/G	SW8240	04/09/90 17:30 MAM
1,1-Dichloroethene[75-35-4]	ND	0.63	ug/G	SW8240	04/09/90 17:30 MAM
1,1-Dichloroethane[75-34-3]	ND	0.63	ug/G	SW8240	04/09/90 17:30 MAM
Trans-1,2-Dichloroethene[156-60-5]	ND	0.63	ug/G	SW8240	04/09/90 17:30 MAM
Chloroform[67-66-3]	ND	0.63	ug/G	SW8240	04/09/90 17:30 MAM
1,2-Dichloroethane[107-06-2]	ND	0.63	ug/G	SW8240	04/09/90 17:30 MAM
1,1,1-Trichloroethane	ND	0.63	ug/G	SW8240	04/09/90 17:30 MAM
Carbon Tetrachloride[56-23-5]	ND	0.63	ug/G	SW8240	04/09/90 17:30 MAM
Bromodichloromethane[75-27-4]	ND	0.63	ug/G	SW8240	04/09/90 17:30 MAM
1,2-Dichloropropane[78-87-5]	ND	0.63	ug/G	SW8240	04/09/90 17:30 MAM
Trans-1,3-Dichloropropene[10061-02-6]	ND	0.63	ug/G	SW8240	04/09/90 17:30 MAM
cis-1,3-Dichloropropene[10061-01-5]	ND	0.63	ug/G	SW8240	04/09/90 17:30 MAM
Trichloroethane[79-01-6]	ND	0.63	ug/G	SW8240	04/09/90 17:30 MAM
Dibromochloromethane[124-48-1]	ND	0.63	ug/G	SW8240	04/09/90 17:30 MAM
1,1,2-Trichloroethane[79-00-5]	ND	0.63	ug/G	SW8240	04/09/90 17:30 MAM
2-Chloroethylvinylether[110-75-8]	ND	1.3	ug/G	SW8240	04/09/90 17:30 MAM
Bromoform[75-25-2]	ND	0.63	ug/G	SW8240	04/09/90 17:30 MAM
1,1,2,2-Tetrachloroethane[79-34-5]	ND	0.63	ug/G	SW8240	04/09/90 17:30 MAM
Tetrachloroethene[127-18-4]	ND	0.63	ug/G	SW8240	04/09/90 17:30 MAM
Benzene[71-43-2]	ND	0.63	ug/G	SW8240	04/09/90 17:30 MAM
Toluene[108-86-3]	ND	0.63	ug/G	SW8240	04/09/90 17:30 MAM
Ethylbenzene[100-41-4]	ND	0.63	ug/G	SW8240	04/09/90 17:30 MAM
Chlorobenzene[108-90-7]	ND	0.63	ug/G	SW8240	04/09/90 17:30 MAM
Acrylonitrile[107-13-1]	ND	6.3	ug/G	SW8240	04/09/90 17:30 MAM
Acrolein[107-02-8]	ND	6.3	ug/G	SW8240	04/09/90 17:30 MAM

SURROGATE RECOVERY-VOLATILE FRACTION

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit.

Analytical Methods: USEPA 8240, SW-846 (Purge/Trap/Desorb or Direct Injection)

AR100419

1250 GREENBRIER STREET, CHARLESTON, WEST VIRGINIA 25311 — TELEPHONE 304 348-0725

4643 BENSON AVENUE, BALTIMORE, MARYLAND 21227 — TELEPHONE 301 247-7400

CINCINNATI, OHIO AREA — TELEPHONE 513 421-3870 OR 513 344-0084



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5636

Respectfully
Submitted:

WV-7 15:20
NITRO SANITATION LANDFILL 3103

Sampled by CLIENT
Date Received 03/28/90

RCM

Date Sampled 03/28/90

PAGE

PRIORITY POLLUTANT LIST: VOLATILE ORGANICS
Soil Procedure/Methanol Extraction
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED DATE/TIME/ANALYST
1,2-Dichloroethane-d4 (SURROGATE)	35	-----	X REC	SW8240	04/09/90 17:30 MAM
Toluene-d8 (SURROGATE)	98	-----	X REC	SW8240	04/09/90 17:30 MAM
Bromofluorobenzene (SURROGATE)	101	-----	X REC	SW8240	04/09/90 17:30 MAM

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit.

Analytical Method: USEPA 8240, SW-846 (Purge/Trap/Desorb or Direct Injection)

AR100420

1256 GREENBRIER STREET, CHARLESTON, WEST VIRGINIA 25311 — TELEPHONE 304 346-0725

4643 BENSON AVENUE, BALTIMORE, MARYLAND 21227 — TELEPHONE 301 247-7400

CINCINNATI, OHIO AREA — TELEPHONE 513 421-3872 OR 606 344-0004



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5637

Respectfully
Submitted:

WV-8 16:10
NITRO SANITATION LANDFILL 3103

Sampled by CLIENT
Date Received 03/28/90

RCM

Date Sampled 03/28/90

PRIORITY POLLUTANTS: ACID EXTRACTABLES FRACTION
Soil Procedure/Sonication Extraction
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED DATE/TIME/ANALYST
Phenol[133-95-2]	ND	0.33	ug/G	SW8270	04/17/90 18:02 JR
2-Chlorophenol[95-57-8]	ND	0.33	ug/G	SW8270	04/17/90 18:02 JR
2-Nitrophenol[88-73-5]	ND	0.33	ug/G	SW8270	04/17/90 18:02 JR
2,4-Dimethylphenol[105-67-9]	ND	0.33	ug/G	SW8270	04/17/90 18:02 JR
2,4-Dichlorophenol[120-83-2]	ND	0.33	ug/G	SW8270	04/17/90 18:02 JR
4-Chloro-3-methylphenol[59-50-7]	ND	0.33	ug/G	SW8270	04/17/90 18:02 JR
2,4,6-Trichlorophenol[86-06-2]	ND	0.33	ug/G	SW8270	04/17/90 18:02 JR
2,4-Dinitrophenol[51-28-5]	ND	1.7	ug/G	SW8270	04/17/90 18:02 JR
4-Nitrophenol[100-02-7]	ND	1.7	ug/G	SW8270	04/17/90 18:02 JR
2-Methyl-4,6-dinitrophenol[534-52-1]	ND	1.7	ug/G	SW8270	04/17/90 18:02 JR
Pentachlorophenol[87-86-5]	ND	1.7	ug/G	SW8270	04/17/90 18:02 JR
SURROGATE RECOVERY-ACID FRACTION					
2-Fluorophenol (SURROGATE)	14	-----	X REC	SW8270	04/17/90 18:02 JR *
Phenol-d6 (SURROGATE)	18	-----	X REC	SW8270	04/17/90 18:02 JR **
2,4,6-Tribromophenol (SURROGATE)	49	-----	X REC	SW8270	04/17/90 18:02 JR

Extraction and Analytical Methods: USEPA 8270, SW-846

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit.

* Recovery was lower than the normally accepted value of 26.

** Recovery was lower than the normally accepted value of 24.

AR100421



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5637

Respectfully
Submitted:

WV-8 16:10
NITRO SANITATION LANDFILL 3103

Sampled by CLIENT
Date Received 03/28/90

R C Murphy

Date Sampled 03/28/90

PRIORITY POLLUTANTS-EXTRACTABLE ORGANICS
ACID & BASE/NEUTRAL FRACTIONS
Sonication Extraction
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED DATE/TIME/ANALYST
N-Nitrosodimethylamine[62-75-9]	ND	1.7	ug/G	SW8270	04/17/90 18:02 JR
Bis(2-chloroethyl) ether[111-44-4]	ND	0.33	ug/G	SW8270	04/17/90 18:02 JR
1,3-Dichlorobenzene[541-73-1]	ND	0.33	ug/G	SW8270	04/17/90 18:02 JR
1,4-Dichlorobenzene[106-46-7]	ND	0.33	ug/G	SW8270	04/17/90 18:02 JR
1,2-Dichlorobenzene[95-50-1]	ND	0.33	ug/G	SW8270	04/17/90 18:02 JR
Bis(2-chloroisopropyl) ether[39638-32-9]	ND	0.33	ug/G	SW8270	04/17/90 18:02 JR
Nitrosodi-n-propylamine[621-64-7]	ND	0.67	ug/G	SW8270	04/17/90 18:02 JR
Toluene[98-95-3]	ND	0.33	ug/G	SW8270	04/17/90 18:02 JR
Hexachloroethane[67-72-1]	ND	0.33	ug/G	SW8270	04/17/90 18:02 JR
Isophorone[78-59-1]	ND	0.33	ug/G	SW8270	04/17/90 18:02 JR
Bis(2-Chloroethoxy)methane[111-91-1]	ND	0.33	ug/G	SW8270	04/17/90 18:02 JR
1,2,4-Trichlorobenzene[120-82-1]	ND	0.33	ug/G	SW8270	04/17/90 18:02 JR
Naphthalene[91-20-3]	ND	0.33	ug/G	SW8270	04/17/90 18:02 JR
Hexachlorobutadiene[87-68-3]	ND	0.33	ug/G	SW8270	04/17/90 18:02 JR
Hexachlorocyclopentadiene[77-47-4]	ND	0.33	ug/G	SW8270	04/17/90 18:02 JR
2-Chloronaphthalene[91-58-7]	ND	0.33	ug/G	SW8270	04/17/90 18:02 JR
Dimethylphthalate[131-11-3]	ND	0.33	ug/G	SW8270	04/17/90 18:02 JR
Acenaphthylene[208-96-8]	ND	0.33	ug/G	SW8270	04/17/90 18:02 JR
Acenaphthene[83-32-9]	ND	0.33	ug/G	SW8270	04/17/90 18:02 JR
2,6-Dinitrotoluene[606-20-2]	ND	0.33	ug/G	SW8270	04/17/90 18:02 JR
2,4-Dinitrotoluene[121-14-2]	ND	0.33	ug/G	SW8270	04/17/90 18:02 JR
Fluorene[86-73-7]	ND	0.33	ug/G	SW8270	04/17/90 18:02 JR
4-Chlorophenylphenylether[7005-72-3]	ND	0.33	ug/G	SW8270	04/17/90 18:02 JR
1,2-Diphenylhydrazine[122-66-7]	ND	0.33	ug/G	SW8270	04/17/90 18:02 JR
Diethylphthalate[84-66-2]	ND	0.33	ug/G	SW8270	04/17/90 18:02 JR
n-Nitrosodiphenylamine[86-30-6]	ND	0.67	ug/G	SW8270	04/17/90 18:02 JR
Hexachlorobenzene[118-74-1]	ND	0.33	ug/G	SW8270	04/17/90 18:02 JR
4-Bromophenylphenylether[101-55-3]	ND	0.33	ug/G	SW8270	04/17/90 18:02 JR
Phenanthrene[85-01-8]	ND	0.33	ug/G	SW8270	04/17/90 18:02 JR

REF: USEPA; Test Methods For Evaluating Solid Waste; SW-846, 3rd Ed.; Nov, 1986.

AR100422

Not detected at a concentration greater than or equal to the MDL - Method Detection Limit.



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F.Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5637

Respectfully
Submitted:

WU-8 16:10
NITRO SANITATION LANDFILL 3103

Sampled by CLIENT
Date Received 03/28/90

Date Sampled 03/28/90

PAGE 2

PRIORITY POLLUTANTS-EXTRACTABLE ORGANICS
ACID & BASE/NEUTRAL FRACTIONS
Sonication Extraction
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED DATE/TIME/ANALYST
Anthracene[120-12-7]	ND	0.33	ug/G	SW8270	04/17/90 18:02 JR
Di-n-octylphthalate[14-74-2]	ND	0.33	ug/G	SW8270	04/17/90 18:02 JR
Fluoranthene[206-44-0]	ND	0.33	ug/G	SW8270	04/17/90 18:02 JR
Pyrene[129-00-0]	ND	0.33	ug/G	SW8270	04/17/90 18:02 JR
Benzidine[92-87-5]	ND	1.7	ug/G	SW8270	04/17/90 18:02 JR
Butylbenzylphthalate[85-68-7]	ND	0.33	ug/G	SW8270	04/17/90 18:02 JR
Bis(2-ethylhexyl)phthalate[117-81-7]	0.53	0.33	ug/G	SW8270	04/17/90 18:02 JR
Chrysenel[218-01-9]	ND	0.33	ug/G	SW8270	04/17/90 18:02 JR
Benz(a)anthracene[36-35-3]	ND	0.33	ug/G	SW8270	04/17/90 18:02 JR
3,3'-Dichlorobenzidine[91-94-1]	ND	0.33	ug/G	SW8270	04/17/90 18:02 JR
Di-n-octylphthalate[117-84-0]	ND	0.33	ug/G	SW8270	04/17/90 18:02 JR
Benzo(b)fluoranthene[205-99-2]	ND	0.33	ug/G	SW8270	04/17/90 18:02 JR
Benzo(k)fluoranthene[207-08-9]	ND	0.33	ug/G	SW8270	04/17/90 18:02 JR
Benzo(a)pyrene[50-32-3]	ND	0.33	ug/G	SW8270	04/17/90 18:02 JR
Indeno(1,2,3-cd)pyrene[193-39-5]	ND	0.67	ug/G	SW8270	04/17/90 18:02 JR
Dibenzo(a,h)anthracene[33-70-3]	ND	0.67	ug/G	SW8270	04/17/90 18:02 JR
Benzo(ghi)perylene[191-24-2]	ND	0.67	ug/G	SW8270	04/17/90 18:02 JR
SURROGATE RECOVERY-BASE/NEUTRAL FRACTION					
Nitrobenzene-d5(SURROGATE)	32	-----	X REC	SW8270	04/17/90 18:02 JR
2-Fluorobiphenyl(SURROGATE)	44	-----	X REC	SW8270	04/17/90 18:02 JR
Terphenyl-d14(SURROGATE)	58	-----	X REC	SW8270	04/17/90 18:02 JR

REF: USEPA; Test Methods For Evaluating Solid Waste; SW-846, 3rd Ed.; Nov, 1986.

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit.

AR100423



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5637

Respectfully
Submitted:

UV-8 16:10
NITRO SANITATION LANDFILL 3103

Sampled by CLIENT
Date Received 03/28/90

RCM

Date Sampled 03/28/90

PRIORITY POLLUTANT LIST: VOLATILE ORGANICS
Soil Procedure/Methanol Extraction
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED DATE/TIME/ANALYST
Chloromethane[74-87-3]	ND	0.63	ug/G	SW8240	04/09/90 18:10 MAM
Bromomethane[74-83-9]	ND	0.63	ug/G	SW8240	04/09/90 18:10 MAM
Vinyl Chloride[75-01-4]	ND	0.63	ug/G	SW8240	04/09/90 18:10 MAM
Chloroethane[75-00-3]	ND	0.63	ug/G	SW8240	04/09/90 18:10 MAM
Methylene Chloride[75-09-2]	ND	0.63	ug/G	SW8240	04/09/90 18:10 MAM
1,1-Dichloroethene[75-35-4]	ND	0.63	ug/G	SW8240	04/09/90 18:10 MAM
1,1-Dichloroethane[75-34-3]	ND	0.63	ug/G	SW8240	04/09/90 18:10 MAM
trans-1,2-Dichloroethene[156-60-5]	ND	0.63	ug/G	SW8240	04/09/90 18:10 MAM
Chloroform[67-66-3]	ND	0.63	ug/G	SW8240	04/09/90 18:10 MAM
1,2-Dichloroethane[107-06-2]	ND	0.63	ug/G	SW8240	04/09/90 18:10 MAM
1,1,1-Trichloroethane	ND	0.63	ug/G	SW8240	04/09/90 18:10 MAM
Carbon Tetrachloride[56-23-5]	ND	0.63	ug/G	SW8240	04/09/90 18:10 MAM
Bromodichloromethane[75-27-4]	ND	0.63	ug/G	SW8240	04/09/90 18:10 MAM
1,2-Dichloropropane[78-87-5]	ND	0.63	ug/G	SW8240	04/09/90 18:10 MAM
trans-1,3-Dichloropropane[10061-02-6]	ND	0.63	ug/G	SW8240	04/09/90 18:10 MAM
cis-1,3-Dichloropropane[10061-01-5]	ND	0.63	ug/G	SW8240	04/09/90 18:10 MAM
Trichloroethene[79-01-6]	ND	0.63	ug/G	SW8240	04/09/90 18:10 MAM
Dibromochloromethane[124-48-1]	ND	0.63	ug/G	SW8240	04/09/90 18:10 MAM
1,1,2-Trichloroethane[79-00-5]	ND	0.63	ug/G	SW8240	04/09/90 18:10 MAM
2-Chloroethylvinylether[110-75-8]	ND	1.3	ug/G	SW8240	04/09/90 18:10 MAM
Bromoform[75-25-2]	ND	0.63	ug/G	SW8240	04/09/90 18:10 MAM
1,1,2,2-Tetrachloroethane[79-34-5]	ND	0.63	ug/G	SW8240	04/09/90 18:10 MAM
Tetrachloroethene[127-18-4]	ND	0.63	ug/G	SW8240	04/09/90 18:10 MAM
Benzene[71-43-2]	ND	0.63	ug/G	SW8240	04/09/90 18:10 MAM
Toluene[108-88-3]	ND	0.63	ug/G	SW8240	04/09/90 18:10 MAM
Ethylbenzene[100-41-4]	ND	0.63	ug/G	SW8240	04/09/90 18:10 MAM
Chlorobenzene[108-90-7]	ND	0.63	ug/G	SW8240	04/09/90 18:10 MAM
Acrylonitrile[107-13-1]	ND	6.3	ug/G	SW8240	04/09/90 18:10 MAM
Acrolein[107-02-8]	ND	6.3	ug/G	SW8240	04/09/90 18:10 MAM

SURROGATE RECOVERY-VOLATILE FRACTION

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit.

Analytical Method: USEPA 8240, SW-846 (Purge/Trap/Desorb or Direct Injection) **AR100424**

1256 GREENBRIER STREET, CHARLESTON, WEST VIRGINIA 25311 — TELEPHONE 304 346-0725

4643 BENSON AVENUE, BALTIMORE, MARYLAND 21227 — TELEPHONE 301 247-7400

CINCINNATI, OHIO AREA — TELEPHONE 513 421-3872 OR 606 344-0084



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5637

Respectfully
Submitted:

MV-8 16:10
NITRO SANITATION LANDFILL 3103

Sampled by CLIENT
Date Received 03/28/90

RC Murphy

Date Sampled 03/28/90

PAGE

PRIORITY POLLUTANT LIST: VOLATILE ORGANICS
Soil Procedure/Methanol Extraction
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED DATE/TIME/ANALYST
1,2-Dichloroethane-d4 (SURROGATE)	79	-----	X REC	SW8240	04/09/90 13:10 MAM
Toluene-d8 (SURROGATE)	87	-----	X REC	SW8240	04/09/90 18:10 MAM
Bromofluorobenzene (SURROGATE)	106	-----	X REC	SW8240	04/09/90 18:10 MAM

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit.

Analytical Methods: USEPA 8240, SW-846 (Purge/Trap/Desorb or Direct Injection)

AR100425

1256 GREENBRIER STREET, CHARLESTON, WEST VIRGINIA 25311 — TELEPHONE 304 348-0725

4643 BENSON AVENUE, BALTIMORE, MARYLAND 21227 — TELEPHONE 301 247-7400

CINCINNATI, OHIO AREA — TELEPHONE 513 421-3872 OR 608 344-0084



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5638

Respectfully Submitted:

WV-9 16:30
NITRO SANITATION LANDFILL 3103

Sampled by CLIENT
Date Received 03/28/90

RCM

Date Sampled 03/28/90

PRIORITY POLLUTANTS: ACID EXTRACTABLES FRACTION
Soil Procedure/Sonication Extraction
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED DATE/TIME/ANALYST
Phenol[108-95-2]	ND	0.33	ug/G	SW8270	04/10/90 22:26 JR
2-Chlorophenol[95-57-8]	ND	0.33	ug/G	SW8270	04/10/90 22:26 JR
2-Nitrophenol[88-75-5]	ND	0.33	ug/G	SW8270	04/10/90 22:26 JR
2,4-Dimethylphenol[105-67-9]	ND	0.33	ug/G	SW8270	04/10/90 22:26 JR
2,4-Dichlorophenol[120-83-2]	ND	0.33	ug/G	SW8270	04/10/90 22:26 JR
4-Chloro-3-methylphenol[59-50-7]	ND	0.33	ug/G	SW8270	04/10/90 22:26 JR
2,4,6-Trichlorophenol[88-06-2]	ND	0.33	ug/G	SW8270	04/10/90 22:26 JR
2,4-Dinitrophenol[51-28-5]	ND	1.7	ug/G	SW8270	04/10/90 22:26 JR
Nitrophenol[100-02-7]	ND	1.7	ug/G	SW8270	04/10/90 22:26 JR
Methyl-4,6-dinitrophenol[534-52-1]	ND	1.7	ug/G	SW8270	04/10/90 22:26 JR
Pentachlorophenol[87-86-5]	ND	1.7	ug/G	SW8270	04/10/90 22:26 JR
SURROGATE RECOVERY-ACID FRACTION					
2-Fluorophenol (SURROGATE)	12	-----	% REC	SW8270	04/10/90 22:26 JR
Phenol-d6 (SURROGATE)	27	-----	% REC	SW8270	04/10/90 22:26 JR
2,4,6-Tribromophenol (SURROGATE)	10	-----	% REC	SW8270	04/10/90 22:26 JR

Extraction and Analytical Methods: USEPA 8270, SW-846

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit.

* Recovery was lower than the normally accepted value of 26

AR100426

1256 GREENBRIER STREET, CHARLESTON, WEST VIRGINIA 25311 — TELEPHONE 304 346-0725

4643 BENSON AVENUE, BALTIMORE, MARYLAND 21227 — TELEPHONE 301 247-7400

CINCINNATI, OHIO — TELEPHONE 513 421-3872 OR 606 344-0084



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5638

Respectfully
Submitted:

NV-9 16:30
NITRO SANITATION LANDFILL 3103

Sampled by CLIENT
Date Received 03/28/90

RCM

Date Sampled 03/28/90

PRIORITY POLLUTANTS-EXTRACTABLE ORGANICS
ACID & BASE/NEUTRAL FRACTIONS
Sonication Extraction
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED		
					DATE/TIME/ANALYST		
N-Nitrosodimethylamine[02-75-9]	ND	1.7	ug/G	SW8270	04/10/90	22:26	JR
Bis(2-chloroethyl) ether[111-44-4]	ND	0.33	ug/G	SW8270	04/10/90	22:26	JR
1,3-Dichlorobenzene[541-73-1]	ND	0.33	ug/G	SW8270	04/10/90	22:26	JR
1,4-Dichlorobenzene[106-46-7]	ND	0.33	ug/G	SW8270	04/10/90	22:26	JR
1,2-Dichlorobenzene[95-50-1]	ND	0.33	ug/G	SW8270	04/10/90	22:26	JR
Bis(2-chloroisopropyl) ether[39638-32-9]	ND	0.33	ug/G	SW8270	04/10/90	22:26	JR
N-Nitrosodi-n-propylamine[621-64-7]	ND	0.67	ug/G	SW8270	04/10/90	22:26	
Nitrobenzene[98-95-3]	ND	0.33	ug/G	SW8270	04/10/90	22:26	
Hexachloroethane[67-72-1]	ND	0.33	ug/G	SW8270	04/10/90	22:26	JR
Isophorone[78-59-1]	ND	0.33	ug/G	SW8270	04/10/90	22:26	JR
Bis(2-Chloroethoxy)methane[111-91-1]	ND	0.33	ug/G	SW8270	04/10/90	22:26	JR
1,2,4-Trichlorobenzene[120-82-1]	ND	0.33	ug/G	SW8270	04/10/90	22:26	JR
Naphthalene[91-20-3]	ND	0.33	ug/G	SW8270	04/10/90	22:26	JR
Hexachlorocyclopentadiene[87-68-3]	ND	0.33	ug/G	SW8270	04/10/90	22:26	JR
Hexachlorocyclopentadiene[77-47-4]	ND	0.33	ug/G	SW8270	04/10/90	22:26	JR
2-Chloronaphthalene[91-58-7]	ND	0.33	ug/G	SW8270	04/10/90	22:26	JR
Dimethylphthalate[131-11-3]	ND	0.33	ug/G	SW8270	04/10/90	22:26	JR
Acenaphthylene[208-96-8]	ND	0.33	ug/G	SW8270	04/10/90	22:26	JR
Acenaphthene[83-32-9]	ND	0.33	ug/G	SW8270	04/10/90	22:26	JR
2,6-Dinitrotoluene[606-20-2]	ND	0.33	ug/G	SW8270	04/10/90	22:26	JR
2,4-Dinitrotoluene[121-14-2]	ND	0.33	ug/G	SW8270	04/10/90	22:26	JR
Fluorene[86-73-7]	ND	0.33	ug/G	SW8270	04/10/90	22:26	JR
4-Chlorophenylphenylether[7005-72-3]	ND	0.33	ug/G	SW8270	04/10/90	22:26	JR
1,2-Diphenylhydrazine[122-66-7]	ND	0.33	ug/G	SW8270	04/10/90	22:26	JR
Diethylphthalate[84-66-2]	ND	0.33	ug/G	SW8270	04/10/90	22:26	JR
n-Nitrosodiphenylamine[86-30-6]	ND	0.67	ug/G	SW8270	04/10/90	22:26	JR
Hexachlorobenzene[118-74-1]	ND	0.33	ug/G	SW8270	04/10/90	22:26	JR
4-Bromophenylphenylether[101-55-3]	ND	0.33	ug/G	SW8270	04/10/90	22:26	JR
Phenanthrene[85-01-8]	ND	0.33	ug/G	SW8270	04/10/90	22:26	JR

REF: USEPA; Test Methods For Evaluating Solid Waste; SW-846, 3rd Ed.; Nov, 1986.

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit

AB100427



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5638

Respectfully
Submitted:

WV-9 16:30
NITRO SANITATION LANDFILL 3103

Sampled by CLIENT
Date Received 03/28/90

RCM

Date Sampled 03/28/90

PAGE

PRIORITY POLLUTANTS-EXTRACTABLE ORGANICS
ACID & BASE/NEUTRAL FRACTIONS
Sonication Extraction
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED DATE/TIME/ANALYST
Anthracene[120-12-7]	ND	0.33	ug/G	SW8270	04/10/90 22:26 JR
Di-n-butylphthalate[84-74-2]	ND	0.33	ug/G	SW8270	04/10/90 22:26 JR
Fluoranthene[206-44-0]	ND	0.33	ug/G	SW8270	04/10/90 22:26 JR
Pyrene[129-00-0]	ND	0.33	ug/G	SW8270	04/10/90 22:26 JR
Benzidine[92-87-5]	ND	1.7	ug/G	SW8270	04/10/90 22:26 JR
Diethylbenzylphthalate[85-68-7]	ND	0.33	ug/G	SW8270	04/10/90 22:26 JR
(2-ethylhexyl) phthalate[117-81-7]	2.0	0.33	ug/G	SW8270	04/10/90 22:26 JR
Chrysenel[218-01-9]	ND	0.33	ug/G	SW8270	04/10/90 22:26 JR
Benzo(a)anthracene[56-55-3]	ND	0.33	ug/G	SW8270	04/10/90 22:26 JR
3,3'-Dichlorobenzidine[91-94-1]	ND	0.33	ug/G	SW8270	04/10/90 22:26 JR
Di-n-octylphthalate[117-84-0]	ND	0.33	ug/G	SW8270	04/10/90 22:26 JR
Benzo(b)fluoranthene[205-99-2]	ND	0.33	ug/G	SW8270	04/10/90 22:26 JR
Benzo(k)fluoranthene[207-08-9]	ND	0.33	ug/G	SW8270	04/10/90 22:26 JR
Benzo(a)pyrene[50-32-8]	ND	0.33	ug/G	SW8270	04/10/90 22:26 JR
Indeno(1,2,3-cd)pyrene[193-39-5]	ND	0.67	ug/G	SW8270	04/10/90 22:26 JR
Dibenzo(a,n)anthracene[53-70-3]	ND	0.67	ug/G	SW8270	04/10/90 22:26 JR
Benzo(ghi)perylene[191-24-2]	ND	0.67	ug/G	SW8270	04/10/90 22:26 JR
SURROGATE RECOVERY-BASE/NEUTRAL FRACTION					
Nitrobenzene-d5 (SURROGATE)	23	-----	% REC	SW8270	04/10/90 22:26 JR
2-Fluorobiphenyl (SURROGATE)	33	-----	% REC	SW8270	04/10/90 22:26 JR
Terphenyl-d14 (SURROGATE)	46	-----	% REC	SW8270	04/10/90 22:26 JR

REF: USEPA; Test Methods For Evaluating Solid Waste; SW-846, 3rd Ed.; Nov, 1986.

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit.

AR100428



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5638

Respectfully
Submitted:

WV-9 16:30
NITRO SANITATION LANDFILL 3103

Sampled by CLIENT
Date Received 03/28/90

RCM

Date Sampled 03/28/90

PRIORITY POLLUTANT LIST: VOLATILE ORGANICS
Soil Procedure/Methanol Extraction
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED DATE/TIME/ANALYST
Chloromethane[74-87-3]	ND	0.63	ug/G	SW8240	04/09/90 18:50 MAM
Bromomethane[74-83-9]	ND	0.63	ug/G	SW8240	04/09/90 18:50 MAM
Vinyl Chloride[75-01-4]	ND	0.63	ug/G	SW8240	04/09/90 18:50 MAM
Chloroethane[75-00-3]	ND	0.63	ug/G	SW8240	04/09/90 18:50 MAM
Methylene Chloride[75-09-2]	ND	0.63	ug/G	SW8240	04/09/90 18:50 MAM
1,1-Dichloroethene[75-35-4]	ND	0.63	ug/G	SW8240	04/09/90 18:50 MAM
1,1-Dichloroethane[75-34-3]	ND	0.63	ug/G	SW8240	04/09/90 18:50 MAM
Trans-1,2-Dichloroethene[156-60-5]	ND	0.63	ug/G	SW8240	04/09/90 18:50
Chloroform[67-66-3]	ND	0.63	ug/G	SW8240	04/09/90 18:50
1,2-Dichloroethane[107-06-2]	ND	0.63	ug/G	SW8240	04/09/90 18:50 MAM
1,1,1-Trichloroethane	ND	0.63	ug/G	SW8240	04/09/90 18:50 MAM
Carbon Tetrachloride[56-23-5]	ND	0.63	ug/G	SW8240	04/09/90 18:50 MAM
Bromodichloromethane[75-27-4]	ND	0.63	ug/G	SW8240	04/09/90 18:50 MAM
1,2-Dichloropropane[78-87-5]	ND	0.63	ug/G	SW8240	04/09/90 18:50 MAM
trans-1,3-Dichloropropene[10061-02-6]	ND	0.63	ug/G	SW8240	04/09/90 18:50 MAM
cis-1,3-Dichloropropene[10061-01-5]	ND	0.63	ug/G	SW8240	04/09/90 18:50 MAM
Trichloroethene[79-01-6]	ND	0.63	ug/G	SW8240	04/09/90 18:50 MAM
Dibromochloromethane[124-48-1]	ND	0.63	ug/G	SW8240	04/09/90 18:50 MAM
1,1,2-Trichloroethane[79-00-5]	ND	0.63	ug/G	SW8240	04/09/90 18:50 MAM
2-Chloroethylvinylether[110-75-8]	ND	1.3	ug/G	SW8240	04/09/90 18:50 MAM
Bromoform[75-25-2]	ND	0.63	ug/G	SW8240	04/09/90 18:50 MAM
1,1,2,2-Tetrachloroethane[79-34-5]	ND	0.63	ug/G	SW8240	04/09/90 18:50 MAM
Tetrachloroethene[127-18-4]	ND	0.63	ug/G	SW8240	04/09/90 18:50 MAM
Benzene[71-43-2]	ND	0.63	ug/G	SW8240	04/09/90 18:50 MAM
Toluene[108-88-3]	ND	0.63	ug/G	SW8240	04/09/90 18:50 MAM
Ethylbenzene[100-41-4]	ND	0.63	ug/G	SW8240	04/09/90 18:50 MAM
Chlorobenzene[108-90-7]	ND	0.63	ug/G	SW8240	04/09/90 18:50 MAM
Acrylonitrile[107-13-1]	ND	6.3	ug/G	SW8240	04/09/90 18:50 MAM

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit.

Analytical Method: USEPA 8240, SW-846 (Purge/Trap/Desorb or Direct Injection)

Surrogate recovery for Toluene-d8 was lower than criteria

AR100429

1256 GREENBRIER STREET, CHARLESTON, WEST VIRGINIA 25311 — TELEPHONE 304 348-0725

4643 BENSON AVENUE, BALTIMORE, MARYLAND 21227 — TELEPHONE 301 247-7400

CINCINNATI, OHIO AREA — TELEPHONE 513 421-3872 OR 806 344-0084



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5638

Respectfully
Submitted:

WV-9 16:30
NITRO SANITATION LANDFILL 3103

Sampled by CLIENT
Date Received 03/28/90

RCM

Date Sampled 03/28/90

PAGE

PRIORITY POLLUTANT LIST: VOLATILE ORGANICS
Soil Procedure/Methanol Extraction
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED	
					DATE/TIME	ANALYST
Acrolein(107-02-81 SURROGATE RECOVERY-VOLATILE FRACTION	ND	6.3	ug/G	SW8240	04/09/90 18:50	MAM
1,2-Dichloroethane-d4(SURROGATE)	75	-----	% REC	SW8240	04/09/90 18:50	MAM
Toluene-d8(SURROGATE)	78	-----	% REC	SW8240	04/09/90 18:50	MAM
Bromofluorobenzene(SURROGATE)	94	-----	% REC	SW8240	04/09/90 18:50	MAM

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit.

Analytical Method: USEPA 8240, SW-846 (Purge/Trap/Desorb or Direct Injection)

Surrogate recovery for Toluene-d8 was lower than criteria

AR100430



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F.Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5639

Respectfully Submitted:

WV-10 16:50
NITRO SANITATION LANDFILL 3103

Sampled by CLIENT
Date Received 03/28/90

RC Murphy

Date Sampled 03/28/90

PRIORITY POLLUTANTS: ACID EXTRACTABLES FRACTION
Soil Procedure/Sonication Extraction
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED DATE/TIME/ANALYST
Phenol[108-95-2]	ND	0.33	ug/G	SW8270	04/11/90 18:34 JR
2-Chlorophenol[95-57-8]	ND	0.33	ug/G	SW8270	04/11/90 18:34 JR
3-Nitrophenol[88-73-5]	ND	0.33	ug/G	SW8270	04/11/90 18:34 JR
2,4-Dimethylphenol[105-67-9]	ND	0.33	ug/G	SW8270	04/11/90 18:34 JR
2,4-Dichlorophenol[120-83-2]	ND	0.33	ug/G	SW8270	04/11/90 18:34 JR
4-Chloro-3-methylphenol[59-50-7]	ND	0.33	ug/G	SW8270	04/11/90 18:34 JR
2,4,6-Trichlorophenol[88-06-2]	ND	0.33	ug/G	SW8270	04/11/90 18:34 JR
2,4-Dinitrophenol[51-28-5]	ND	1.7	ug/G	SW8270	04/11/90 18:34 J
4-Nitrophenol[108-02-7]	ND	1.7	ug/G	SW8270	04/11/90 18:34 J
2-Methyl-4,6-dinitrophenol[534-52-1]	ND	1.7	ug/G	SW8270	04/11/90 18:34 JR
Pentachlorophenol[87-86-5]	ND	1.7	ug/G	SW8270	04/11/90 18:34 JR
SURROGATE RECOVERY-ACID FRACTION					
2-Fluorophenol (SURROGATE)	12	-----	X REC	SW8270	04/11/90 18:34 JR *
Phenol-d6 (SURROGATE)	25	-----	X REC	SW8270	04/11/90 18:34 JR
2,4,6-Tribromophenol (SURROGATE)	10	-----	X REC	SW8270	04/11/90 18:34 JR

Extraction and Analytical Methods: USEPA 8270, SW-846

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit.

* Recovery was lower than the normally accepted value of 26.

AR100431



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5639

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PRIORITY POLLUTANTS-EXTRACTABLE ORGANICS
ACID & BASE/NEUTRAL FRACTIONS
Sonication Extraction
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED		
					DATE/TIME/ANALYST		
N-Nitrosodimethylamine[62-75-9]	ND	1.7	ug/G	SW8270	04/11/90	18:34	JR
Bis(2-chloroethyl)ether[111-44-4]	ND	0.33	ug/G	SW8270	04/11/90	18:34	JR
1,3-Dichlorobenzene[541-73-1]	ND	0.33	ug/G	SW8270	04/11/90	18:34	JR
1,4-Dichlorobenzene[106-46-7]	ND	0.33	ug/G	SW8270	04/11/90	18:34	JR
1,2-Dichlorobenzene[95-50-1]	ND	0.33	ug/G	SW8270	04/11/90	18:34	JR
Bis(2-chloroisopropyl)ether[39638-32-9]	ND	0.33	ug/G	SW8270	04/11/90	18:34	JR
N-Nitrosodi-n-propylamine[621-64-7]	ND	0.67	ug/G	SW8270	04/11/90	18:34	JR
o-bromobenzene[98-95-3]	ND	0.33	ug/G	SW8270	04/11/90	18:34	JR
hexachloroethane[67-72-1]	ND	0.33	ug/G	SW8270	04/11/90	18:34	JR
Isophorone[78-59-1]	ND	0.33	ug/G	SW8270	04/11/90	18:34	JR
Bis(2-Chloroethoxy)methane[111-91-1]	ND	0.33	ug/G	SW8270	04/11/90	18:34	JR
1,2,4-Trichlorobenzene[120-82-1]	ND	0.33	ug/G	SW8270	04/11/90	18:34	JR
Naphthalene[91-20-3]	ND	0.33	ug/G	SW8270	04/11/90	18:34	JR
Hexachlorobutadiene[87-68-3]	ND	0.33	ug/G	SW8270	04/11/90	18:34	JR
Hexachlorocyclopentadiene[77-47-4]	ND	0.33	ug/G	SW8270	04/11/90	18:34	JR
2-Chloronaphthalene[91-58-7]	ND	0.33	ug/G	SW8270	04/11/90	18:34	JR
Dimethylphthalate[131-11-3]	ND	0.33	ug/G	SW8270	04/11/90	18:34	JR
Acenaphthylene[208-96-8]	ND	0.33	ug/G	SW8270	04/11/90	18:34	JR
Acenaphthene[83-32-9]	ND	0.33	ug/G	SW8270	04/11/90	18:34	JR
2,6-Dinitrotoluene[606-20-2]	ND	0.33	ug/G	SW8270	04/11/90	18:34	JR
2,4-Dinitrotoluene[121-14-2]	ND	0.33	ug/G	SW8270	04/11/90	18:34	JR
Fluorene[86-73-7]	ND	0.33	ug/G	SW8270	04/11/90	18:34	JR
4-Chlorophenylphenylether[7005-72-3]	ND	0.33	ug/G	SW8270	04/11/90	18:34	JR
1,2-Diphenylhydrazine[122-66-7]	ND	0.33	ug/G	SW8270	04/11/90	18:34	JR
Diethylphthalate[84-66-2]	ND	0.33	ug/G	SW8270	04/11/90	18:34	JR

REF: USEPA; Test Methods For Evaluating Solid Waste; SW-846, 3rd Ed.; Nov, 1986.

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit.

* Recovery was lower than the normally accepted value of 23.

AR100432

Recovery was lower than the normally accepted value of 30.



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5639

Respectfully Submitted:

WU-10 16:50
NITRO SANITATION LANDFILL 3103

Sampled by CLIENT
Date Received 03/28/90

Date Sampled 03/28/90

PAGE

PRIORITY POLLUTANTS-EXTRACTABLE ORGANICS
ACID & BASE/NEUTRAL FRACTIONS
Sonication Extraction
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED		
					DATE/TIME/ANALYST		
n-Nitrosodiphenylamine[86-30-6]	ND	0.67	ug/G	SW8270	04/11/90	18:34	JR
Hexachlorobenzene[118-74-1]	ND	0.33	ug/G	SW8270	04/11/90	18:34	JR
4-Bromophenylphenylether[101-55-3]	ND	0.33	ug/G	SW8270	04/11/90	18:34	JR
Phenanthrene[85-01-8]	ND	0.33	ug/G	SW8270	04/11/90	18:34	JR
Anthracene[120-12-7]	ND	0.33	ug/G	SW8270	04/11/90	18:34	JR
Di-n-butylphthalate[84-74-2]	ND	0.33	ug/G	SW8270	04/11/90	18:34	JR
Fluoranthene[206-44-0]	ND	0.33	ug/G	SW8270	04/11/90	18:34	JR
Pyrene[129-00-0]	ND	0.33	ug/G	SW8270	04/11/90	18:34	JR
Benzidine[92-87-5]	ND	1.7	ug/G	SW8270	04/11/90	18:34	JR
Butylbenzylphthalate[85-68-7]	ND	0.33	ug/G	SW8270	04/11/90	18:34	JR
Bis(2-ethylhexyl)phthalate[117-81-7]	0.74	0.33	ug/G	SW8270	04/11/90	18:34	JR
Chrysene[218-01-9]	ND	0.33	ug/G	SW8270	04/11/90	18:34	JR
Benz(a)anthracene[56-55-3]	ND	0.33	ug/G	SW8270	04/11/90	18:34	JR
3,3'-Dichlorobenzidine[91-94-1]	ND	0.33	ug/G	SW8270	04/11/90	18:34	JR
Di-n-octylphthalate[117-84-0]	ND	0.33	ug/G	SW8270	04/11/90	18:34	JR
Benzo(b)fluoranthene[205-99-2]	ND	0.33	ug/G	SW8270	04/11/90	18:34	JR
Benzo(k)fluoranthene[207-08-9]	ND	0.33	ug/G	SW8270	04/11/90	18:34	JR
Benzo(a)pyrene[50-32-8]	ND	0.33	ug/G	SW8270	04/11/90	18:34	JR
Indeno(1,2,3-cd)pyrene[193-39-5]	ND	0.67	ug/G	SW8270	04/11/90	18:34	JR
Dibenzo(a,h)anthracene[53-70-3]	ND	0.67	ug/G	SW8270	04/11/90	18:34	JR
Benzo(ghi)perylene[191-24-2]	ND	0.67	ug/G	SW8270	04/11/90	18:34	JR
SURROGATE RECOVERY-BASE/NEUTRAL FRACTION							
Nitrobenzene-d5(SURROGATE)	17	-----	X REC	SW8270	04/11/90	18:34	JR

REF: USEPA; Test Methods For Evaluating Solid Waste; SW-846, 3rd Ed.; Nov, 1986.

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit.

* Recovery was lower than the normally accepted value of 23.

** Recovery was lower than the normally accepted value of 30.

AR100433



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5639

Respectfully
Submitted:

WV-10 16:50
NITRO SANITATION LANDFILL 3103

Sampled by CLIENT
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PRIORITY POLLUTANTS-EXTRACTABLE ORGANICS
ACID & BASE/NEUTRAL FRACTIONS
Sonication Extraction
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED DATE/TIME/ANALYST
2-Fluorobiphenyl (SURROGATE)	27	-----	x REC	SW8270	04/11/90 18:34 JR
Terphenyl-d14 (SURROGATE)	42	-----	x REC	SW8270	04/11/90 18:34 JR

REF: USEPA; Test Methods For Evaluating Solid Waste; SW-846, 3rd Ed. Nov, 1986.

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit.

* Recovery was lower than the normally accepted value of 23.

** Recovery was lower than the normally accepted value of 30.

AR100434

1256 GREENBRIER STREET, CHARLESTON, WEST VIRGINIA 25311 — TELEPHONE 304 346-0725

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TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5639

Respectfully
Submitted:

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NITRO SANITATION LANDFILL 3103

Sampled by CLIENT
Date Received 03/28/90

RCM

Date Sampled 03/28/90

PRIORITY POLLUTANT LIST: VOLATILE ORGANICS
Soil Procedure/Methanol Extraction
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED		
					DATE/TIME/ANALYST		
Chloromethane[74-87-3]	ND	0.63	ug/G	SW8240	04/09/90	20:10	MAM
Bromomethane[74-83-9]	ND	0.63	ug/G	SW8240	04/09/90	20:10	MAM
Vinyl Chloride[75-01-4]	ND	0.63	ug/G	SW8240	04/09/90	20:10	MAM
Chloroethane[78-10-3]	ND	0.63	ug/G	SW8240	04/09/90	20:10	MAM
Methylene Chloride[75-09-2]	ND	0.63	ug/G	SW8240	04/09/90	20:10	MAM
1,1-Dichloroethene[75-35-4]	ND	0.63	ug/G	SW8240	04/09/90	20:10	MAM
1,1-Dichloroethane[75-34-3]	ND	0.63	ug/G	SW8240	04/09/90	20:10	MAM
Trans-1,2-Dichloroethene[156-60-5]	ND	0.63	ug/G	SW8240	04/09/90	20:10	
Chloroform[67-66-3]	ND	0.63	ug/G	SW8240	04/09/90	20:10	
1,2-Dichloroethane[107-06-2]	ND	0.63	ug/G	SW8240	04/09/90	20:10	MAM
1,1,1-Trichloroethane	ND	0.63	ug/G	SW8240	04/09/90	20:10	MAM
Carbon Tetrachloride[56-23-5]	ND	0.63	ug/G	SW8240	04/09/90	20:10	MAM
Bromodichloromethane[75-27-4]	ND	0.63	ug/G	SW8240	04/09/90	20:10	MAM
1,2-Dichloropropane[78-87-5]	ND	0.63	ug/G	SW8240	04/09/90	20:10	MAM
trans-1,3-Dichloropropene[10061-02-6]	ND	0.63	ug/G	SW8240	04/09/90	20:10	MAM
cis-1,3-Dichloropropene[10061-01-5]	ND	0.63	ug/G	SW8240	04/09/90	20:10	MAM
Trichloroethene[75-01-6]	ND	0.63	ug/G	SW8240	04/09/90	20:10	MAM
Dibromochloroethane[124-48-1]	ND	0.63	ug/G	SW8240	04/09/90	20:10	MAM
1,1,2-Trichloroethane[79-00-5]	ND	0.63	ug/G	SW8240	04/09/90	20:10	MAM
2-Chloroethylvinylether[110-75-8]	ND	1.3	ug/G	SW8240	04/09/90	20:10	MAM
Bromoform[75-25-2]	ND	0.63	ug/G	SW8240	04/09/90	20:10	MAM
1,1,2,2-Tetrachloroethane[79-34-5]	ND	0.63	ug/G	SW8240	04/09/90	20:10	MAM
Tetrachloroethene[127-18-4]	ND	0.63	ug/G	SW8240	04/09/90	20:10	MAM
Benzene[71-43-2]	ND	0.63	ug/G	SW8240	04/09/90	20:10	MAM
Toluene[108-88-3]	ND	0.63	ug/G	SW8240	04/09/90	20:10	MAM
Ethylbenzene[100-41-4]	ND	0.63	ug/G	SW8240	04/09/90	20:10	MAM
Chlorobenzene[108-90-7]	ND	0.63	ug/G	SW8240	04/09/90	20:10	MAM
Acrylonitrile[107-13-1]	ND	6.3	ug/G	SW8240	04/09/90	20:10	MAM
Acrolein[107-02-8]	ND	6.3	ug/G	SW8240	04/09/90	20:10	MAM
SURROGATE RECOVERY-VOLATILE FRACTION							

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit.

Analytical Method: USEPA 8240, SW-846 (Purge/Trap/Desorb or Direct Injection)

AR100435



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5639

Respectfully
Submitted:

WV-10 16:50
NITRO SANITATION LANDFILL 3103

Sampled by CLIENT
Date Received 03/28/90

Date Sampled 03/28/90

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PRIORITY POLLUTANT LIST; VOLATILE ORGANICS
Soil Procedure/Methanol Extraction
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED		
					DATE/TIME/ANALYST		
1,2-Dichloroethane-d4 (SURROGATE)	73	-----	X REC	SW8240	04/09/90	20:10	MAM
Toluene-d8 (SURROGATE)	85	-----	X REC	SW8240	04/09/90	20:10	MAM
Bromofluorobenzene (SURROGATE)	98	-----	X REC	SW8240	04/09/90	20:10	MAM

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit.

Analytical Method: USEPA 8240, SW-846 (Purge/Trap/Desorb or Direct Injection)

AR100436



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5648

Respectfully
Submitted:

WU-11 17:50
NITRO SANITATION LANDFILL 3103

Sampled by CLIENT
Date Received 03/28/98

RC Murphy

Date Sampled 03/28/98

PRIORITY POLLUTANTS: ACID EXTRACTABLES FRACTION
Soil Procedure/Sonication Extraction
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED		
					DATE/TIME/ANALYST		
Phenol[108-95-2]	ND	0.33	ug/G	SW8270	04/12/98	21:38	JR
2-Chlorophenol[95-57-8]	ND	0.33	ug/G	SW8270	04/12/98	21:38	JR
2-Nitrophenol[88-75-5]	ND	0.33	ug/G	SW8270	04/12/98	21:38	JR
2,4-Dimethylphenol[105-67-9]	ND	0.33	ug/G	SW8270	04/12/98	21:38	JR
2,4-Dichlorophenol[120-83-2]	ND	0.33	ug/G	SW8270	04/12/98	21:38	JR
4-Chloro-3-methylphenol[59-50-7]	ND	0.33	ug/G	SW8270	04/12/98	21:38	JR
2,4,6-Trichlorophenol[88-06-2]	ND	0.33	ug/G	SW8270	04/12/98	21:38	JR
2,4-Dinitrophenol[51-28-5]	ND	1.7	ug/G	SW8270	04/12/98	21:38	JR
4-Nitrophenol[100-02-7]	ND	1.7	ug/G	SW8270	04/12/98	21:38	JR
2-Methyl-4,6-dinitrophenol[534-52-1]	ND	1.7	ug/G	SW8270	04/12/98	21:38	JR
Pentachlorophenol[87-86-5]	ND	1.7	ug/G	SW8270	04/12/98	21:38	JR
SURROGATE RECOVERY-ACID FRACTION							
2-Fluorophenol (SURROGATE)	22	-----	% REC	SW8270	04/12/98	21:38	JR *
Phenol-d6 (SURROGATE)	41	-----	% REC	SW8270	04/12/98	21:38	JR
2,4,6-Tribromophenol (SURROGATE)	15	-----	% REC	SW8270	04/12/98	21:38	JR

Extraction and Analytical Methods: USEPA 8270, SW-846

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit.

* Recovery was lower than the normally accepted value of 26.

AR100437

1258 GREENBRIER STREET, CHARLESTON, WEST VIRGINIA 25311 — TELEPHONE 304 346-0725

4643 BENSON AVENUE, BALTIMORE, MARYLAND 21227 — TELEPHONE 301 247-7400

CINCINNATI, OHIO AREA — TELEPHONE 513 421-3872 OR 608 344-0084



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5640

Respectfully
Submitted:

WV-11 17:50

Sampled by CLIENT

NITRO SANITATION LANDFILL 3103

Date Received 03/28/90

RCM

Date Sampled 03/28/90

PRIORITY POLLUTANTS-EXTRACTABLE ORGANICS
ACID & BASE/NEUTRAL FRACTIONS
Sonication Extraction
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED DATE/TIME/ANALYST
N-Nitrosodimethylamine[62-75-9]	ND	1.7	ug/G	SW8270	04/12/90 21:38 JR
Bis(2-chloroethyl) ether[111-44-4]	ND	0.33	ug/G	SW8270	04/12/90 21:38 JR
1,3-Dichlorobenzene[541-73-1]	ND	0.33	ug/G	SW8270	04/12/90 21:38 JR
1,4-Dichlorobenzene[106-46-7]	ND	0.33	ug/G	SW8270	04/12/90 21:38 JR
1,2-Dichlorobenzene[95-50-1]	ND	0.33	ug/G	SW8270	04/12/90 21:38 JR
Bis(2-chloroisopropyl) ether[39638-32-9]	ND	0.33	ug/G	SW8270	04/12/90 21:38 JR
N-Nitrosodi-n-propylamine[621-64-7]	ND	0.67	ug/G	SW8270	04/12/90 21:38 JR
Nitrobenzene[98-95-3]	ND	0.33	ug/G	SW8270	04/12/90 21:38 JR
chloroethane[67-72-1]	ND	0.33	ug/G	SW8270	04/12/90 21:38 JR
chlorone[78-59-1]	ND	0.33	ug/G	SW8270	04/12/90 21:38 JR
Bis(2-Chloroethoxy)methane[111-91-1]	ND	0.33	ug/G	SW8270	04/12/90 21:38 JR
1,2,4-Trichlorobenzene[120-82-1]	ND	0.33	ug/G	SW8270	04/12/90 21:38 JR
Naphthalene[91-20-3]	ND	0.33	ug/G	SW8270	04/12/90 21:38 JR
Hexachlorobutadiene[87-68-3]	ND	0.33	ug/G	SW8270	04/12/90 21:38 JR
Hexachlorocyclopentadiene[77-47-4]	ND	0.33	ug/G	SW8270	04/12/90 21:38 JR
2-Chloronaphthalene[91-58-7]	ND	0.33	ug/G	SW8270	04/12/90 21:38 JR
Dimethylphthalate[131-11-3]	ND	0.33	ug/G	SW8270	04/12/90 21:38 JR
Acenaphthylene[208-96-8]	0.36	0.33	ug/G	SW8270	04/12/90 21:38 JR
Acenaphthene[83-32-9]	ND	0.33	ug/G	SW8270	04/12/90 21:38 JR
2,6-Dinitrotoluene[606-20-2]	ND	0.33	ug/G	SW8270	04/12/90 21:38 JR
2,4-Dinitrotoluene[121-14-2]	ND	0.33	ug/G	SW8270	04/12/90 21:38 JR
Fluorene[86-73-7]	ND	0.33	ug/G	SW8270	04/12/90 21:38 JR
4-Chlorophenylphenylether[7005-72-3]	ND	0.33	ug/G	SW8270	04/12/90 21:38 JR
1,2-Diphenylhydrazine[122-66-7]	ND	0.33	ug/G	SW8270	04/12/90 21:38 JR
Diethylphthalate[84-66-2]	ND	0.33	ug/G	SW8270	04/12/90 21:38 JR
n-Nitrosodiphenylamine[86-30-6]	ND	0.67	ug/G	SW8270	04/12/90 21:38 JR
Hexachlorobenzene[118-74-1]	ND	0.33	ug/G	SW8270	04/12/90 21:38 JR

REF: USEPA; Test Methods For Evaluating Solid Waste; SW-846, 3rd Ed.; Nov, 1986.

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit.

* Estimated value, daily calibration response exceeded the initial RF by more than 30%
ART00438



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

W.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5640

Respectfully
Submitted:

WV-11 17:50
NITRO SANITATION LANDFILL 3103

Sampled by CLIENT
Date Received 03/28/90

Date Sampled 03/28/90

PAGE 2

PRIORITY POLLUTANTS-EXTRACTABLE ORGANICS
ACID & BASE/NEUTRAL FRACTIONS
Sonication Extraction
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED		
					DATE/TIME/ANALYST		
4-Bromophenylphenylether[101-55-3]	ND	0.33	ug/G	SW8270	04/12/90	21:38	JR
Benanthrene[85-01-8]	0.83	0.33	ug/G	SW8270	04/12/90	21:38	JR
Anthracene[120-12-7]	ND	0.33	ug/G	SW8270	04/12/90	21:38	JR
Di-n-butylphthalate[84-74-2]	ND	0.33	ug/G	SW8270	04/12/90	21:38	JR
Fluoranthene[206-44-0]	1.8	0.33	ug/G	SW8270	04/12/90	21:38	JR
Pyrene[129-00-0]	2.1*	0.33	ug/G	SW8270	04/12/90	21:38	JR
Benzidine[92-87-5]	ND	1.7	ug/G	SW8270	04/12/90	21:38	JR
Butylbenzylphthalate[85-68-7]	ND	0.33	ug/G	SW8270	04/12/90	21:38	JR
Bis(2-ethylhexyl)phthalate[117-81-7]	1.9	0.33	ug/G	SW8270	04/12/90	21:38	JR
Chrysene[218-01-9]	1.4	0.33	ug/G	SW8270	04/12/90	21:38	JR
Benzo(a)anthracene[56-55-3]	1.4	0.33	ug/G	SW8270	04/12/90	21:38	JR
3,3'-Dichlorobenzidine[91-94-1]	ND	0.33	ug/G	SW8270	04/12/90	21:38	JR
Di-n-octylphthalate[117-84-0]	ND	0.33	ug/G	SW8270	04/12/90	21:38	JR
Benzo(b)fluoranthene[205-99-2]	3.3	0.33	ug/G	SW8270	04/12/90	21:38	JR
Benzo(k)fluoranthene[207-08-9]	0.49	0.33	ug/G	SW8270	04/12/90	21:38	JR
Benzo(a)pyrene[50-32-8]	2.2	0.33	ug/G	SW8270	04/12/90	21:38	JR
Indeno(1,2,3-cd)pyrene[193-39-5]	0.87	0.67	ug/G	SW8270	04/12/90	21:38	JR
Dibenzo(a,h)anthracene[53-70-3]	ND	0.67	ug/G	SW8270	04/12/90	21:38	JR
Benzo(ghi)perylene[191-24-2]	0.85	0.67	ug/G	SW8270	04/12/90	21:38	JR
SURROGATE RECOVERY-BASE/NEUTRAL FRACTION							
Nitrobenzene-d5(SURROGATE)	65	-----	% REC	SW8270	04/12/90	21:38	JR
2-Fluorobiphenyl(SURROGATE)	82	-----	% REC	SW8270	04/12/90	21:38	JR
Terphenyl-d14(SURROGATE)	49	-----	% REC	SW8270	04/12/90	21:38	JR

REF: USEPA; Test Methods For Evaluating Solid Waste; SW-846, 3rd Ed.; Nov, 1986.

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit.

* Estimated value, daily calibration response exceeded the initial RF by more than 30%.

AR100439



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5640

Respectfully
Submitted:

WV-11 17:50
NITRO SANITATION LANDFILL 3103

Sampled by CLIENT
Date Received 03/28/90

RCM

Date Sampled 03/28/90

PRIORITY POLLUTANT LIST: VOLATILE ORGANICS
Soil Procedure/Methanol Extraction
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED DATE/TIME/ANALYST
Chloromethane[74-87-3]	ND	0.63	ug/G	SW8240	04/10/90 19:51 DAA
Bromomethane[74-83-9]	ND	0.63	ug/G	SW8240	04/10/90 19:51 DAA
Vinyl Chloride[75-01-4]	ND	0.63	ug/G	SW8240	04/10/90 19:51 DAA
Chloroethane[75-00-3]	ND	0.63	ug/G	SW8240	04/10/90 19:51 DAA
Methylene Chloride[75-09-2]	ND	0.63	ug/G	SW8240	04/10/90 19:51 DAA
1,1-Dichloroethene[75-35-4]	ND	0.63	ug/G	SW8240	04/10/90 19:51 DAA
1,1-Dichloroethane[75-34-3]	ND	0.63	ug/G	SW8240	04/10/90 19:51 DAA
trans-1,2-Dichloroethene[156-60-5]	ND	0.63	ug/G	SW8240	04/10/90 19:51 DAA
Bromoform[67-66-3]	ND	0.63	ug/G	SW8240	04/10/90 19:51 DAA
1,1-Dichloroethane[107-06-2]	ND	0.63	ug/G	SW8240	04/10/90 19:51 DAA
1,1,1-Trichloroethane	ND	0.63	ug/G	SW8240	04/10/90 19:51 DAA
Carbon Tetrachloride[56-23-5]	ND	0.63	ug/G	SW8240	04/10/90 19:51 DAA
Bromodichloromethane[75-27-4]	ND	0.63	ug/G	SW8240	04/10/90 19:51 DAA
1,2-Dichloropropane[78-87-5]	ND	0.63	ug/G	SW8240	04/10/90 19:51 DAA
trans-1,3-Dichloropropene[10061-02-6]	ND	0.63	ug/G	SW8240	04/10/90 19:51 DAA
cis-1,3-Dichloropropene[10061-01-5]	ND	0.63	ug/G	SW8240	04/10/90 19:51 DAA
Trichloroethene[79-01-6]	ND	0.63	ug/G	SW8240	04/10/90 19:51 DAA
Dibromochloromethane[124-48-1]	ND	0.63	ug/G	SW8240	04/10/90 19:51 DAA
1,1,2-Trichloroethane[79-00-5]	ND	0.63	ug/G	SW8240	04/10/90 19:51 DAA
2-Chloroethylvinylether[110-75-8]	ND	1.3	ug/G	SW8240	04/10/90 19:51 DAA
Bromoform[75-25-2]	ND	0.63	ug/G	SW8240	04/10/90 19:51 DAA
1,1,2,2-Tetrachloroethane[79-34-5]	ND	0.63	ug/G	SW8240	04/10/90 19:51 DAA
Tetrachloroethene[127-18-4]	ND	0.63	ug/G	SW8240	04/10/90 19:51 DAA
Benzene[71-43-2]	ND	0.63	ug/G	SW8240	04/10/90 19:51 DAA
Toluene[108-88-3]	ND	0.63	ug/G	SW8240	04/10/90 19:51 DAA
Ethylbenzene[100-41-4]	ND	0.63	ug/G	SW8240	04/10/90 19:51 DAA
Chlorobenzene[108-90-7]	ND	0.63	ug/G	SW8240	04/10/90 19:51 DAA
Acrylonitrile[107-13-1]	ND	6.3	ug/G	SW8240	04/10/90 19:51 DAA
Acrolein[107-02-8]	ND	6.3	ug/G	SW8240	04/10/90 19:51 DAA
SURROGATE RECOVERY-VOLATILE FRACTION					

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit.

Analytical Method: USEPA 8240, SW-846 (Purge/Trap/Desorb or Direct Injection)

AR100440

1256 GREENBRIER STREET, CHARLESTON, WEST VIRGINIA 25311 — TELEPHONE 304 348-0725

4643 BENSON AVENUE, BALTIMORE, MARYLAND 21227 — TELEPHONE 301 247-7400

CINCINNATI, OHIO AREA — TELEPHONE 513 421-3872 OR 606 344-0084



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5640

Respectfully
Submitted:

WV-11 17:50
NITRO SANITATION LANDFILL 3103

Sampled by CLIENT
Date Received 03/28/98

RCM

Date Sampled 03/28/98

PAGE 2

PRIORITY POLLUTANT LIST: VOLATILE ORGANICS
Soil Procedure/Methanol Extraction
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED DATE/TIME/ANALYST
1,2-Dichloroethane-d4 (SURROGATE)	93	-----	x REC	SW8240	04/10/98 19:51 DAA
Toluene-d8 (SURROGATE)	102	-----	x REC	SW8240	04/10/98 19:51 DAA
Bromofluorobenzene (SURROGATE)	112	-----	x REC	SW8240	04/10/98 19:51 DAA

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit.

Analytical Method: USEPA 8240, SW-846 (Purge/Trap/Desorb or Direct Injection)

AR100441

This summary covers the soil sample collected from the property of Mr. and Mrs. McKee on March 28, 1990. The sample was delivered to Technical Testing Laboratories on March 28, 1990. The analyses requested were volatile organics (VOAs) and base neutral acid extractables (BNAs).

- Review of the QA/QC data indicates that the bis(2-ethylhexyl)phthalate result is due to laboratory contamination during analysis.
- Most VOA and BNA results were below detection limits.
- There is an indication of very low levels of poly-aromatic hydrocarbons.

See the attached data sheets for the sample collected at Mr. and Mrs. McKee's property.

McKee

AR100442



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5640

Respectfully Submitted

NV-11 17:50
NITRO SANITATION LANDFILL 3103

Sampled by CLIENT
Date Received 03/28/90

RCM

Date Sampled 03/28/90

PRIORITY POLLUTANT LIST: VOLATILE ORGANICS
Soil Procedure/Methanol Extraction
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED DATE/TIME/ANALYST
Chloroethane[74-87-3]	ND	0.63	ug/G	SW8240	04/10/90 19:51 DAA
Bromoethane[74-83-3]	ND	0.63	ug/G	SW8240	04/10/90 19:51 DAA
Vinyl Chloride[75-01-4]	ND	0.63	ug/G	SW8240	04/10/90 19:51 DAA
Chloroethane[75-06-3]	ND	0.63	ug/G	SW8240	04/10/90 19:51 DAA
Ethylene Chloride[75-09-2]	ND	0.63	ug/G	SW8240	04/10/90 19:51 DAA
1,1-Dichloroethane[75-35-4]	ND	0.63	ug/G	SW8240	04/10/90 19:51 DAA
1,1-Dichloroethane[75-34-3]	ND	0.63	ug/G	SW8240	04/10/90 19:51 DAA
Trans-1,2-Dichloroethane[156-66-5]	ND	0.63	ug/G	SW8240	04/10/90 19:51
Chloroform[67-66-3]	ND	0.63	ug/G	SW8240	04/10/90 19:51
1,2-Dichloroethane[107-06-2]	ND	0.63	ug/G	SW8240	04/10/90 19:51 DAA
1,1,1-Trichloroethane	ND	0.63	ug/G	SW8240	04/10/90 19:51 DAA
Carbon Tetrachloride[56-23-5]	ND	0.63	ug/G	SW8240	04/10/90 19:51 DAA
Bromo-dichloroethane[75-27-4]	ND	0.63	ug/G	SW8240	04/10/90 19:51 DAA
1,2-Dichloropropane[78-07-5]	ND	0.63	ug/G	SW8240	04/10/90 19:51 DAA
trans-1,3-Dichloropropene[10061-02-6]	ND	0.63	ug/G	SW8240	04/10/90 19:51 DAA
cis-1,3-Dichloropropene[10061-01-5]	ND	0.63	ug/G	SW8240	04/10/90 19:51 DAA
Trichloroethane[79-01-6]	ND	0.63	ug/G	SW8240	04/10/90 19:51 DAA
Dibromochloromethane[124-48-1]	ND	0.63	ug/G	SW8240	04/10/90 19:51 DAA
1,1,2-Trichloroethane[79-00-5]	ND	0.63	ug/G	SW8240	04/10/90 19:51 DAA
2-Chloroethylvinylether[110-75-8]	ND	1.3	ug/G	SW8240	04/10/90 19:51 DAA
Bromoform[75-35-2]	ND	0.63	ug/G	SW8240	04/10/90 19:51 DAA
1,1,2,2-Tetrachloroethane[79-34-5]	ND	0.63	ug/G	SW8240	04/10/90 19:51 DAA
Tetrachloroethene[127-18-4]	ND	0.63	ug/G	SW8240	04/10/90 19:51 DAA
Benzene[71-43-2]	ND	0.63	ug/G	SW8240	04/10/90 19:51 DAA
Toluene[108-88-3]	ND	0.63	ug/G	SW8240	04/10/90 19:51 DAA
Ethylbenzene[100-41-4]	ND	0.63	ug/G	SW8240	04/10/90 19:51 DAA
Chlorobenzene[108-90-7]	ND	0.63	ug/G	SW8240	04/10/90 19:51 DAA
Acrylonitrile[107-13-1]	ND	6.3	ug/G	SW8240	04/10/90 19:51 DAA
Acrolein[107-02-8]	ND	6.3	ug/G	SW8240	04/10/90 19:51 DAA

SURROGATE RECOVERY-VOLATILE FRACTION

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit.

Analytical Methods: USEPA 8240, SW-846 (Purge/Trap/Desorb or Direct Injection) AR 100443



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5648

Respectfully
Submitted:

WU-11 17:58
NITRO SANITATION LANDFILL 3103

Sampled by CLIENT
Date Received 03/28/98

RCM

Date Sampled 03/28/98

PAGE

PRIORITY POLLUTANT LIST: VOLATILE ORGANICS
Soil Procedure/Methanol Extraction
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED DATE/TIME/ANALYST
1,2-Dichloroethane-d4 (SURROGATE)	93	-----	x REC	SW8248	04/10/98 19:51 DAA
Toluene-d8 (SURROGATE)	102	-----	x REC	SW8248	04/10/98 19:51 DAA
Bromofluorobenzene (SURROGATE)	112	-----	x REC	SW8248	04/10/98 19:51 DAA

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit

Analytical Method: USEPA 8248, SW-846 (Purge/Trap/Desorb or Direct Injection)

ART00444



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5648

Respectfully
Submitted:

WV-11 17:50
NITRO SANITATION LANDFILL 3103

Sampled by CLIENT
Date Received 03/28/90

RCM

Date Sampled 03/29/90

PRIORITY POLLUTANTS-EXTRACTABLE ORGANICS
ACID & BASE/NEUTRAL FRACTIONS
Sonication Extraction
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED DATE/TIME/ANALYST
n-Nitrosodimethylamine[62-75-9]	ND	1.7	ug/G	SW8270	04/12/90 21:38 JR
Bis(2-chloroethyl)ether[111-44-4]	ND	0.33	ug/G	SW8270	04/12/90 21:38 JR
1,3-Dichlorobenzene[541-73-1]	ND	0.33	ug/G	SW8270	04/12/90 21:38 JR
1,4-Dichlorobenzene[106-46-7]	ND	0.33	ug/G	SW8270	04/12/90 21:38 JR
1,2-Dichlorobenzene[95-50-1]	ND	0.33	ug/G	SW8270	04/12/90 21:38 JR
Bis(2-chloroisopropyl)ether[35638-32-9]	ND	0.33	ug/G	SW8270	04/12/90 21:38 JR
N-Nitrosodi-n-propylamine[621-64-7]	ND	0.67	ug/G	SW8270	04/12/90 21:38 JR
Nitrobenzene[98-95-3]	ND	0.33	ug/G	SW8270	04/12/90 21:38 JR
Hexachloroethane[67-72-1]	ND	0.33	ug/G	SW8270	04/12/90 21:38 JR
Isopnorne[78-59-1]	ND	0.33	ug/G	SW8270	04/12/90 21:38 JR
Bis(2-Chloroethoxy)methane[111-91-1]	ND	0.33	ug/G	SW8270	04/12/90 21:38 JR
1,2,4-Trichlorobenzene[120-82-1]	ND	0.33	ug/G	SW8270	04/12/90 21:38 JR
Naphthalene[91-20-3]	ND	0.33	ug/G	SW8270	04/12/90 21:38 JR
Hexachlorobutadiene[87-68-3]	ND	0.33	ug/G	SW8270	04/12/90 21:38 JR
Hexachlorocyclopentadiene[77-47-4]	ND	0.33	ug/G	SW8270	04/12/90 21:38 JR
2-Chloronaphthalene[91-58-7]	ND	0.33	ug/G	SW8270	04/12/90 21:38 JR
Dimethylphthalate[131-11-3]	ND	0.33	ug/G	SW8270	04/12/90 21:38 JR
Acenaphtylene[208-96-8]	0.36	0.33	ug/G	SW8270	04/12/90 21:38 JR
Acenaphtene[83-32-9]	ND	0.33	ug/G	SW8270	04/12/90 21:38 JR
2,6-Dinitrotoluene[606-20-2]	ND	0.33	ug/G	SW8270	04/12/90 21:38 JR
2,4-Dinitrotoluene[121-14-2]	ND	0.33	ug/G	SW8270	04/12/90 21:38 JR
Fluorene[86-73-7]	ND	0.33	ug/G	SW8270	04/12/90 21:38 JR
4-Chlorophenylphenyl ether[7005-72-3]	ND	0.33	ug/G	SW8270	04/12/90 21:38 JR
1,2-Diphenylhydrazine[122-66-7]	ND	0.33	ug/G	SW8270	04/12/90 21:38 JR
Diethylphthalate[84-66-2]	ND	0.33	ug/G	SW8270	04/12/90 21:38 JR
n-Nitrosodiphenylamine[86-30-6]	ND	0.67	ug/G	SW8270	04/12/90 21:38 JR
Hexachlorobenzene[118-74-1]	ND	0.33	ug/G	SW8270	04/12/90 21:38 JR

REF: USEPA; Test Methods For Evaluating Solid Waste; SW-846, 3rd Ed.; Nov, 1986.

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit

* Estimated value, daily calibration response exceeded the initial RF by more than 30%.

ART00445



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5648

Respectfully
Submitted:

WV-11 17:58
NITRO SANITATION LANDFILL 3183

Sampled by CLIENT
Date Received 03/28/90

RCM

Date Sampled 03/28/90

PAGE

PRIORITY POLLUTANTS-EXTRACTABLE ORGANICS
ACID & BASE/NEUTRAL FRACTIONS
Sonication Extraction
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED DATE/TIME/ANALYST
4-Bromophenylphenylether[101-35-3]	ND	0.33	ug/G	SW8270	04/12/90 21:38 JR
Phenanthrene[85-81-8]	0.83	0.33	ug/G	SW8270	04/12/90 21:38 JR
Anthracene[120-12-7]	ND	0.33	ug/G	SW8270	04/12/90 21:38 JR
Di-n-octylphthalate[84-74-2]	ND	0.33	ug/G	SW8270	04/12/90 21:38 JR
Fluoranthene[206-44-0]	1.8	0.33	ug/G	SW8270	04/12/90 21:38 JR
rene[129-00-0]	2.1*	0.33	ug/G	SW8270	04/12/90 21:38 JR
enzidine[92-87-5]	ND	1.7	ug/G	SW8270	04/12/90 21:38 JR
Butylbenzylphthalate[85-68-7]	ND	0.33	ug/G	SW8270	04/12/90 21:38 JR
Bis(2-ethylhexyl)phthalate[117-81-7]	1.9	0.33	ug/G	SW8270	04/12/90 21:38 JR
Chrysene[218-01-9]	1.4	0.33	ug/G	SW8270	04/12/90 21:38 JR
Benz[1]anthracene[56-55-3]	1.4	0.33	ug/G	SW8270	04/12/90 21:38 JR
3,3'-Dichlorobenzidine[91-94-1]	ND	0.33	ug/G	SW8270	04/12/90 21:38 JR
Di-n-octylphthalate[117-84-0]	ND	0.33	ug/G	SW8270	04/12/90 21:38 JR
Benzo(b)fluoranthene[205-99-2]	3.3	0.33	ug/G	SW8270	04/12/90 21:38 JR
Benzo(k)fluoranthene[207-08-9]	0.49	0.33	ug/G	SW8270	04/12/90 21:38 JR
Benzo(a)pyrene[50-32-8]	2.2	0.33	ug/G	SW8270	04/12/90 21:38 JR
Indeno(1,2,3-cd)pyrene[193-39-5]	0.87	0.67	ug/G	SW8270	04/12/90 21:38 JR
Dibenzo(a,h)anthracene[53-70-3]	ND	0.67	ug/G	SW8270	04/12/90 21:38 JR
Benzo(ghi)perylene[191-24-2]	0.85	0.67	ug/G	SW8270	04/12/90 21:38 JR
SURROGATE RECOVERY-BASE/NEUTRAL FRACTION					
Nitrobenzene-d5(SURROGATE)	65	-----	x REC	SW8270	04/12/90 21:38 JR
2-Fluorobiphenyl(SURROGATE)	62	-----	x REC	SW8270	04/12/90 21:38 JR
Terphenyl-d14(SURROGATE)	49	-----	x REC	SW8270	04/12/90 21:38 JR

REF: USEPA; Test Methods For Evaluating Solid Waste; SW-846, 3rd Ed.; Nov, 1986.

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit

* Estimated value, daily calibration response exceeded the initial RF by more than 30%.

AR100446



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5637

Respectfully
Submitted:

MU-8 16:15
NITRO SANITATION LANDFILL 3183

Sampled by CLIENT
Date Received 03/28/98

RCM

Date Sampled 03/26/98

PRIORITY POLLUTANTS: ACID EXTRACTABLES FRACTION
Soil Procedure/Sonication Extraction
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED DATE/TIME/ANALYST
Phenol (EPC-85-81)	ND	0.33	ug/G	SW8270	04/17/98 18:02 JR
1-Chlorophenol (EPC-87-82)	ND	0.33	ug/G	SW8270	04/17/98 18:02 JR
2-Nitrophenol (EPC-73-83)	ND	0.33	ug/G	SW8270	04/17/98 18:02 JR
2,4-Dichlorophenol (EPC-87-83)	ND	0.33	ug/G	SW8270	04/17/98 18:02 JR
2,4-Dichlorophenol (EPC-88-83)	ND	0.33	ug/G	SW8270	04/17/98 18:02 JR
4-Chloro-2-methylphenol (EPC-50-71)	ND	0.33	ug/G	SW8270	04/17/98 18:02 JR
2,4,6-Trichlorophenol (EPC-88-81)	ND	0.33	ug/G	SW8270	04/17/98 18:02 JR
2,4-Dinitrophenol (EPC-28-51)	ND	1.7	ug/G	SW8270	04/17/98 18:02 JR
1-Nitrophenol (EPC-82-71)	ND	1.7	ug/G	SW8270	04/17/98 18:02 JR
2-Methyl-4,6-dinitrophenol (EPC-52-11)	ND	1.7	ug/G	SW8270	04/17/98 18:02 JR
Pentachlorophenol (EPC-86-81)	ND	1.7	ug/G	SW8270	04/17/98 18:02 JR
SURROGATE RECOVERY-ACID FRACTION					
2-Fluorophenol (SURROGATE)	14	-----	x REC	SW8270	04/17/98 18:02 JR *
Phenol (SURROGATE)	18	-----	x REC	SW8270	04/17/98 18:02 JR *
2,4,6-Trichlorophenol (SURROGATE)	43	-----	x REC	SW8270	04/17/98 18:02 JR

Extraction and Analytical Methods: USEPA 8270, SW-846

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit.

* Recovery was lower than the normally accepted value of 20.

** Recovery was lower than the normally accepted value of 24.

AR100447

1258 GREENBRIER STREET, CHARLESTON, WEST VIRGINIA 25311 — TELEPHONE 304 348-0725

4643 BENSON AVENUE, BALTIMORE, MARYLAND 21227 — TELEPHONE 301 247-7400

CINCINNATI, OHIO AREA — TELEPHONE 513 421-3872 OR 508 344-0084



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5637

Respectfully Submitted:

NV-8 16:13
NITRO SANITATION LANDFILL 3163

Sampled by CLIENT
Date Received 03/28/90

RCM

Date Sampled 03/26/90

PRIORITY POLLUTANT LIST: VOLATILE ORGANICS
Soil Procedure/Methanol Extraction
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED DATE/TIME/ANALYST
Chloroethane[74-37-3]	ND	0.63	ug/G	SW8240	04/09/90 16:10 MAM
Bromoethane[74-93-3]	ND	0.63	ug/G	SW8240	04/09/90 16:10 MAM
Vinyl Chloride[75-01-4]	ND	0.63	ug/G	SW8240	04/09/90 16:10 MAM
Chloroethane[75-03-3]	ND	0.63	ug/G	SW8240	04/09/90 16:10 MAM
Methylene Chloride[75-09-2]	ND	0.63	ug/G	SW8240	04/09/90 16:10 MAM
1,1-Dichloroethene[75-33-4]	ND	0.63	ug/G	SW8240	04/09/90 16:10 MAM
1,1-Dichloroethane[75-34-3]	ND	0.63	ug/G	SW8240	04/09/90 16:10 MAM
Trans-1,2-Dichloroethene[156-50-3]	ND	0.63	ug/G	SW8240	04/09/90 16:10 MAM
Iodoform[127-53-3]	ND	0.63	ug/G	SW8240	04/09/90 16:10 MAM
1,2-Dichloroethane[107-06-2]	ND	0.63	ug/G	SW8240	04/09/90 16:10 MAM
1,1,1-Trichloroethane	ND	0.63	ug/G	SW8240	04/09/90 16:10 MAM
Carbon Tetrachloride[56-23-3]	ND	0.63	ug/G	SW8240	04/09/90 16:10 MAM
Bromodichloromethane[75-27-4]	ND	0.63	ug/G	SW8240	04/09/90 16:10 MAM
1,2-Dichloropropane[78-07-5]	ND	0.63	ug/G	SW8240	04/09/90 16:10 MAM
Trans-1,2-Dichloropropane[13061-02-6]	ND	0.63	ug/G	SW8240	04/09/90 16:10 MAM
Cis-1,2-Dichloropropane[10061-01-7]	ND	0.63	ug/G	SW8240	04/09/90 16:10 MAM
Trichloroethane[75-91-2]	ND	0.63	ug/G	SW8240	04/09/90 16:10 MAM
Bromochloromethane[124-46-1]	ND	0.63	ug/G	SW8240	04/09/90 16:10 MAM
1,1,2-Trichloroethane[79-00-3]	ND	0.63	ug/G	SW8240	04/09/90 16:10 MAM
2-Chloroethylvinylether[110-73-8]	ND	0.63	ug/G	SW8240	04/09/90 16:10 MAM
Bromoform[75-23-2]	ND	1.3	ug/G	SW8240	04/09/90 16:10 MAM
1,1,2,2-Tetrachloroethane[79-34-5]	ND	0.63	ug/G	SW8240	04/09/90 16:10 MAM
Tetrachloroethane[127-18-4]	ND	0.63	ug/G	SW8240	04/09/90 16:10 MAM
Benzene[71-43-2]	ND	0.63	ug/G	SW8240	04/09/90 16:10 MAM
Toluene[108-88-3]	ND	0.63	ug/G	SW8240	04/09/90 16:10 MAM
Ethylbenzene[100-41-4]	ND	0.63	ug/G	SW8240	04/09/90 16:10 MAM
Chlorobenzene[108-90-7]	ND	0.63	ug/G	SW8240	04/09/90 16:10 MAM
Acrylonitrile[107-13-1]	ND	0.63	ug/G	SW8240	04/09/90 16:10 MAM
Acetoin[107-92-5]	ND	6.3	ug/G	SW8240	04/09/90 16:10 MAM
SURROGATE RECOVERY-VOLATILE FRACTION	ND	6.3	ug/G	SW8240	04/09/90 16:10 MAM

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit.
Analytical Method: USEPA 8240, SW-846 (Purge/Trap/Desorb or Direct Injection)

ART 100448



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5637

Respectfully
Submitted:

WV-6 16:13
NITRO SANITATION LANDFILL 3103

Sampled by CLIENT
Date Received 03/28/90

RCM

Date Sampled 03/28/90

PAGE

PRIORITY POLLUTANT LIST: VOLATILE ORGANICS
Soil Procedure/Methanol Extraction
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED DATE/TIME/ANALYST
1,2-Dichloroethane-d4 (SURROGATE)	79	-----	x REC	SW8240	04/09/90 13:10 MAM
Toluene-d8 (SURROGATE)	87	-----	x REC	SW8240	04/09/90 13:10 MAM
Bromofluorobenzene (SURROGATE)	106	-----	x REC	SW8240	04/09/90 13:10 MAM

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit.

Analytical Method: USEPA 8240, SW-846 (Purge/Trap/Desorb or Direct Injection)

AR100449

1258 GREENBRIER STREET, CHARLESTON, WEST VIRGINIA 25311 — TELEPHONE 304 346-0725
4643 BENSON AVENUE, BALTIMORE, MARYLAND 21227 — TELEPHONE 301 247-7400
CINCINNATI, OHIO AREA — TELEPHONE 513 421-3872 OR 606 344-0084



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K3337

Respectfully Submitted:

NJ-8 10:10
NITRO SANITATION LANDFILL 3103

Sampled by CLIENT
Date Received 03/26/90

RCM

Date Sampled 03/28/90

PRIORITY POLLUTANTS-EXTRACTABLE ORGANICS
ACID & BASE/NEUTRAL FRACTIONS
Sonication Extraction
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED	
					DATE/TIME	ANALYST
n-Nitrosodimethylamine[602-73-93]	ND	1.7	ug/G	SW8270	04/17/90 13:02	JR
Bis(2-chloroethyl) ether[111-44-1]	ND	0.33	ug/G	SW8270	04/17/90 13:02	JR
1,3-Dichlorobenzene[541-73-11]	ND	0.33	ug/G	SW8270	04/17/90 13:02	JR
1,4-Dichlorobenzene[106-46-70]	ND	0.33	ug/G	SW8270	04/17/90 13:02	JR
1,2-Dichlorobenzene[95-30-13]	ND	0.33	ug/G	SW8270	04/17/90 13:02	JR
Bis(2-chloroisopropyl) ether[39633-32-91]	ND	0.33	ug/G	SW8270	04/17/90 13:02	JR
n-Nitrosodi-n-propylamine[621-34-71]	ND	0.67	ug/G	SW8270	04/17/90 13:02	JR
nitrobenzene[98-95-31]	ND	0.33	ug/G	SW8270	04/17/90 13:02	JR
Hexachloroethane[87-72-11]	ND	0.33	ug/G	SW8270	04/17/90 13:02	JR
Isobutone[78-59-11]	ND	0.33	ug/G	SW8270	04/17/90 13:02	JR
Bis(2-chloroethoxy)methane[111-31-11]	ND	0.33	ug/G	SW8270	04/17/90 13:02	JR
1,2,4-Trichlorobenzene[123-32-11]	ND	0.33	ug/G	SW8270	04/17/90 13:02	JR
Naphthalene[91-20-31]	ND	0.33	ug/G	SW8270	04/17/90 13:02	JR
hexachlorobutadiene[87-63-31]	ND	0.33	ug/G	SW8270	04/17/90 13:02	JR
hexachlorocyclopentadiene[177-47-61]	ND	0.33	ug/G	SW8270	04/17/90 13:02	JR
1-Chloronaphthalene[91-58-71]	ND	0.33	ug/G	SW8270	04/17/90 13:02	JR
Dimethylphthalate[131-11-31]	ND	0.33	ug/G	SW8270	04/17/90 13:02	JR
Acenaphthylene[338-96-61]	ND	0.33	ug/G	SW8270	04/17/90 13:02	JR
Acenaphthene[33-32-31]	ND	0.33	ug/G	SW8270	04/17/90 13:02	JR
2,6-Dinitrotoluene[886-20-21]	ND	0.33	ug/G	SW8270	04/17/90 13:02	JR
2,4-Dinitrotoluene[121-14-61]	ND	0.33	ug/G	SW8270	04/17/90 13:02	JR
Fluorene[86-73-71]	ND	0.33	ug/G	SW8270	04/17/90 13:02	JR
4-Chloropropenylphenylether[7605-72-31]	ND	0.33	ug/G	SW8270	04/17/90 13:02	JR
1,2-Diphenylhydrazine[122-66-71]	ND	0.33	ug/G	SW8270	04/17/90 13:02	JR
Diethylphthalate[84-66-21]	ND	0.33	ug/G	SW8270	04/17/90 13:02	JR
n-Nitrosodiphenylamine[86-30-61]	ND	0.67	ug/G	SW8270	04/17/90 13:02	JR
Hexachlorobenzene[118-74-11]	ND	0.33	ug/G	SW8270	04/17/90 13:02	JR
4-Bromopropenylphenylether[101-55-31]	ND	0.33	ug/G	SW8270	04/17/90 13:02	JR
Phenanthrene[85-01-61]	ND	0.33	ug/G	SW8270	04/17/90 13:02	JR

REF: USEPA; Test Methods For Evaluating Solid Wastes; SW-846, 3rd Ed.; Nov, 1986.

AR100450

Not detected at a concentration greater than or equal to the MDL - Method Detection Limit.

1256 GREENBRIER STREET, CHARLESTON, WEST VIRGINIA 25311 - TELEPHONE 304 346-0725

4643 BENSON AVENUE, BALTIMORE, MARYLAND 21227 - TELEPHONE 301 247-7400

CINCINNATI, OHIO AREA - TELEPHONE 513 421-3872 OR 806 344-0094



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5637

Respectfully Submitted:

WU-6 16:10
NITRO SANITATION LANDFILL 3183

Sampled by CLIENT
Date Received 03/23/90

RCM

Date Sampled 03/23/90

PAGE

PRIORITY POLLUTANTS-EXTRACTABLE ORGANICS
ACID & BASE/NEUTRAL FRACTIONS
Sonication Extraction
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED DATE/TIME/ANALYST
Anthracene[120-12-71]	ND	0.33	ug/G	SW8270	04/17/90 18:02 JR
2,3-Dichlorophthalate[104-74-81]	ND	0.33	ug/G	SW8270	04/17/90 18:02 JR
Fluoranthene[153-44-01]	ND	0.33	ug/G	SW8270	04/17/90 18:02 JR
Pyrene[129-00-01]	ND	0.33	ug/G	SW8270	04/17/90 18:02 JR
Benzidine[92-87-31]	ND	1.7	ug/G	SW8270	04/17/90 18:02 JR
Butylbenzylphthalate[135-63-73]	ND	0.33	ug/G	SW8270	04/17/90 18:02 JR
Bis(2-ethylhexyl)phthalate[117-81-71]	0.53	0.33	ug/G	SW8270	04/17/90 18:02 JR
Chrysenes[118-01-91]	ND	0.33	ug/G	SW8270	04/17/90 18:02 JR
Benz(a)anthracene[126-35-31]	ND	0.33	ug/G	SW8270	04/17/90 18:02 JR
3,3'-Dichlorobenzidine[91-94-11]	ND	0.33	ug/G	SW8270	04/17/90 18:02 JR
Di-n-Octylphthalate[117-84-01]	ND	0.33	ug/G	SW8270	04/17/90 18:02 JR
Benz(a)fluoranthene[1205-99-21]	ND	0.33	ug/G	SW8270	04/17/90 18:02 JR
Benz(a)fluoranthene[1207-08-91]	ND	0.33	ug/G	SW8270	04/17/90 18:02 JR
Benz(a)pyrene[120-32-31]	ND	0.33	ug/G	SW8270	04/17/90 18:02 JR
Indeno(1,2,3-cd)pyrene[193-39-31]	ND	0.67	ug/G	SW8270	04/17/90 18:02 JR
Dibenz(a,h)anthracene[153-70-31]	ND	0.67	ug/G	SW8270	04/17/90 18:02 JR
Benzo(g,h,i)perylene[191-24-21]	ND	0.67	ug/G	SW8270	04/17/90 18:02 JR
SURROGATE RECOVERY-BASE/NEUTRAL FRACTION					
Nitrobenzene-d5(SURROGATE)	32	-----	x REC	SW8270	04/17/90 18:02 JR
2-Fluorobiphenyl(SURROGATE)	44	-----	x REC	SW8270	04/17/90 18:02 JR
Terphenyl-d14(SURROGATE)	53	-----	x REC	SW8270	04/17/90 18:02 JR

REF: USEPA; Test Methods For Evaluating Solid Waste; SW-346, 3rd Ed.; Nov, 1986.

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit

AR100451

This summary covers the three (3) soil samples collected from the property of Mr. Miller on March 28, 1990. The samples were delivered to Technical Testing Laboratories on March 28, 1990. The analyses requested were volatile organics (VOAs) and base neutral acid extractables (BNAs).

- Review of the QA/QC data indicates that the bis(2-ethylhexyl)phthalate result is due to laboratory contamination during analysis.
- All VOA and BNA results were below detection limits.

See the attached data sheets for the samples collected at Mr. Miller's property.

Miller

AR100452



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5639

Respectfully Submitted:

WU-10 16:50
NITRO SANITATION LANDFILL 3103

Sampled by CLIENT
Date Received 03/28/98

RCM

Date Sampled 03/28/98

PRIORITY POLLUTANT LIST: VOLATILE ORGANICS
Soil Procedure/Methanol Extraction
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED DATE/TIME/ANALYST
Chloroethane[74-87-3]	ND	0.63	ug/G	SW8240	04/09/98 20:10 MAM
Bromoethane[74-83-9]	ND	0.63	ug/G	SW8240	04/09/98 20:10 MAM
Vinyl Chloride[75-31-4]	ND	0.63	ug/G	SW8240	04/09/98 20:10 MAM
Chloroethane[75-00-3]	ND	0.63	ug/G	SW8240	04/09/98 20:10 MAM
Methylene Chloride[75-09-2]	ND	0.63	ug/G	SW8240	04/09/98 20:10 MAM
1,1-Dichloroethane[75-35-4]	ND	0.63	ug/G	SW8240	04/09/98 20:10 MAM
1,1-Dichloroethane[75-34-3]	ND	0.63	ug/G	SW8240	04/09/98 20:10 MAM
Trans-1,2-Dichloroethene[156-60-5]	ND	0.63	ug/G	SW8240	04/09/98 20:10 MAM
Chloroform[67-66-3]	ND	0.63	ug/G	SW8240	04/09/98 20:10 MAM
1,2-Dichloroethane[107-06-2]	ND	0.63	ug/G	SW8240	04/09/98 20:10 MAM
1,1,1-Trichloroethane	ND	0.63	ug/G	SW8240	04/09/98 20:10 MAM
Carbon Tetrachloride[58-23-5]	ND	0.63	ug/G	SW8240	04/09/98 20:10 MAM
Bromodichloromethane[75-27-4]	ND	0.63	ug/G	SW8240	04/09/98 20:10 MAM
1,2-Dichloropropane[78-87-5]	ND	0.63	ug/G	SW8240	04/09/98 20:10 MAM
trans-1,3-Dichloropropane[10061-02-6]	ND	0.63	ug/G	SW8240	04/09/98 20:10 MAM
cis-1,3-Dichloropropane[10061-01-5]	ND	0.63	ug/G	SW8240	04/09/98 20:10 MAM
Trichloroethene[73-01-6]	ND	0.63	ug/G	SW8240	04/09/98 20:10 MAM
Dibromochloromethane[124-46-1]	ND	0.63	ug/G	SW8240	04/09/98 20:10 MAM
1,1,2-Trichloroethane[79-00-5]	ND	0.63	ug/G	SW8240	04/09/98 20:10 MAM
2-Chloroethylvinylether[110-73-8]	ND	1.3	ug/G	SW8240	04/09/98 20:10 MAM
Bromoform[75-25-2]	ND	0.63	ug/G	SW8240	04/09/98 20:10 MAM
1,1,2,2-Tetrachloroethane[79-34-5]	ND	0.63	ug/G	SW8240	04/09/98 20:10 MAM
Tetrachloroethene[127-18-4]	ND	0.63	ug/G	SW8240	04/09/98 20:10 MAM
Benzene[71-43-2]	ND	0.63	ug/G	SW8240	04/09/98 20:10 MAM
Toluene[108-88-3]	ND	0.63	ug/G	SW8240	04/09/98 20:10 MAM
Ethylbenzene[100-41-4]	ND	0.63	ug/G	SW8240	04/09/98 20:10 MAM
Chlorobenzene[108-90-7]	ND	0.63	ug/G	SW8240	04/09/98 20:10 MAM
Acrylonitrile[107-13-1]	ND	6.3	ug/G	SW8240	04/09/98 20:10 MAM
Acrolein[107-82-8]	ND	6.3	ug/G	SW8240	04/09/98 20:10 MAM
SURROGATE RECOVERY-VOLATILE FRACTION					

NDs Not detected at a concentration greater than or equal to the MDL - Method Detection Limit

ART 00453

Analytical Method: USEPA 8240, SW-846 (Purge/Trap/Desorb or Direct Injection)



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5639

Respectfully
Submitted:

WV-10 18:50
NITRO SANITATION LANDFILL 3183

Sampled by CLIENT
Date Received 03/28/90

RCM

Date Sampled 03/28/90

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PRIORITY POLLUTANT LIST: VOLATILE ORGANICS
Soil Procedure/Methanol Extraction
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED DATE/TIME/ANALYST
1,2-Dichlorobenzene (SURROGATE)	73	-----	% REC	SW8240	04/09/90 00:10 MAM
Toluene (SURROGATE)	35	-----	% REC	SW8240	04/09/90 00:10 MAM
Bromochlorobenzene (SURROGATE)	98	-----	% REC	SW8240	04/09/90 00:10 MAM

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit

Analytical Method: USEPA 8240, SW-846 (Purge/Trap/Desorb or Direct Injection)

AR100454

1256 GREENBRIER STREET, CHARLESTON, WEST VIRGINIA 25311 — TELEPHONE 304 346-0725

4643 BENSON AVENUE, BALTIMORE, MARYLAND 21227 — TELEPHONE 301 247-7400

CINCINNATI, OHIO AREA — TELEPHONE 513 421-2872 OR 502 344-0084



TECHNICAL TESTING LABORATORIES

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LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5639

Respectfully
Submitted

WU-10 16:50
NITRO SANITATION LANDFILL 3103

Sampled by CLIENT
Date Received 03/28/90

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Date Sampled 03/28/90

PRIORITY POLLUTANTS-EXTRACTABLE ORGANICS
ACID & BASE/NEUTRAL FRACTIONS
Sonication Extraction
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED DATE/TIME/ANALYS
N-Nitrosodimethylamine[62-75-3]	ND	1.7	ug/G	SW8270	04/11/90 18:34 JR
Bis(2-chloroethyl) ether[111-44-4]	ND	0.33	ug/G	SW8270	04/11/90 18:34 JR
1,3-Dichlorobenzene[541-73-1]	ND	0.33	ug/G	SW8270	04/11/90 18:34 JR
1,4-Dichlorobenzene[106-46-7]	ND	0.33	ug/G	SW8270	04/11/90 18:34 JR
1,2-Dichlorobenzene[95-50-1]	ND	0.33	ug/G	SW8270	04/11/90 18:34 JR
Bis(2-chloroisopropyl) ether[39638-32-9]	ND	0.33	ug/G	SW8270	04/11/90 18:34 JR
N-Nitrosodi-n-propylamine[621-64-7]	ND	0.67	ug/G	SW8270	04/11/90 18:34 JR
Nitrobenzene[98-95-3]	ND	0.33	ug/G	SW8270	04/11/90 18:34 JR
Hexachloroethane[67-72-1]	ND	0.33	ug/G	SW8270	04/11/90 18:34 JR
Isophorone[78-59-1]	ND	0.33	ug/G	SW8270	04/11/90 18:34 JR
Bis(2-Chloroethoxy)methane[111-91-1]	ND	0.33	ug/G	SW8270	04/11/90 18:34 JR
1,2,4-Trichlorobenzene[120-82-1]	ND	0.33	ug/G	SW8270	04/11/90 18:34 JR
Naphthalene[91-20-3]	ND	0.33	ug/G	SW8270	04/11/90 18:34 JR
Hexachlorobutadiene[87-68-3]	ND	0.33	ug/G	SW8270	04/11/90 18:34 JR
Hexachlorocyclopentadiene[77-47-4]	ND	0.33	ug/G	SW8270	04/11/90 18:34 JR
2-Chloronaphthalene[91-58-7]	ND	0.33	ug/G	SW8270	04/11/90 18:34 JR
Dimethylphthalate[131-11-3]	ND	0.33	ug/G	SW8270	04/11/90 18:34 JR
Acenaphthylene[208-96-8]	ND	0.33	ug/G	SW8270	04/11/90 18:34 JR
Acenaphthene[83-32-9]	ND	0.33	ug/G	SW8270	04/11/90 18:34 JR
2,6-Dinitrotoluene[606-20-2]	ND	0.33	ug/G	SW8270	04/11/90 18:34 JR
2,4-Dinitrotoluene[121-14-2]	ND	0.33	ug/G	SW8270	04/11/90 18:34 JR
Fluorene[86-73-7]	ND	0.33	ug/G	SW8270	04/11/90 18:34 JR
4-Chlorophenylphenylether[7005-72-3]	ND	0.33	ug/G	SW8270	04/11/90 18:34 JR
1,2-Diphenylhydrazine[122-66-7]	ND	0.33	ug/G	SW8270	04/11/90 18:34 JR
Diethylphthalate[84-66-2]	ND	0.33	ug/G	SW8270	04/11/90 18:34 JR

REF: USEPA; Test Methods For Evaluating Solid Waste; SW-846, 3rd Ed.; Nov, 1986.

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit

* Recovery was lower than the normally accepted value of 23.

AR100455

** Recovery was lower than the normally accepted value of 30.

1258 GREENBRIER STREET, CHARLESTON, WEST VIRGINIA 25311 — TELEPHONE 304 348-0725

4843 BENSON AVENUE, BALTIMORE, MARYLAND 21227 — TELEPHONE 301 247-7400

CINCINNATI, OHIO AREA — TELEPHONE 513 421-3872 — FAX 513 444-0084



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5639

Respectfully Submitted:

WV-10 16:50
NITRO SANITATION LANDFILL 3103

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Date Sampled 03/28/90

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PRIORITY POLLUTANTS-EXTRACTABLE ORGANICS
ACID & BASE/NEUTRAL FRACTIONS
Sonication Extraction
ALL RESULTS ARE ON AN AS RECEIVED BASIS

2

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED DATE/TIME/ANALYS
n-Nitrosodiphenylamine[86-50-6]	ND	0.67	ug/G	SW8270	04/11/90 18:34 JR
Hexachlorobenzene[118-74-1]	ND	0.33	ug/G	SW8270	04/11/90 18:34 JR
4-Bromophenylphenylether[101-55-3]	ND	0.33	ug/G	SW8270	04/11/90 18:34 JR
Phenanthrene[85-01-8]	ND	0.33	ug/G	SW8270	04/11/90 18:34 JR
Anthracene[120-12-7]	ND	0.33	ug/G	SW8270	04/11/90 18:34 JR
Di-n-butylphthalate[84-74-2]	ND	0.33	ug/G	SW8270	04/11/90 18:34 JR
Fluoranthene[206-44-0]	ND	0.33	ug/G	SW8270	04/11/90 18:34 JR
Pyrene[129-00-0]	ND	0.33	ug/G	SW8270	04/11/90 18:34 JR
Benzidine[92-87-5]	ND	1.7	ug/G	SW8270	04/11/90 18:34 JR
Butylbenzylphthalate[85-68-7]	ND	0.33	ug/G	SW8270	04/11/90 18:34 JR
Bis(2-ethylhexyl)phthalate[117-84-7]	0.74	0.33	ug/G	SW8270	04/11/90 18:34 JR
Chrysene[218-01-9]	ND	0.33	ug/G	SW8270	04/11/90 18:34 JR
Benz(a)anthracene[56-55-3]	ND	0.33	ug/G	SW8270	04/11/90 18:34 JR
3,3'-Dichlorobenzidine[91-94-1]	ND	0.33	ug/G	SW8270	04/11/90 18:34 JR
Di-n-octylphthalate[117-84-0]	ND	0.33	ug/G	SW8270	04/11/90 18:34 JR
Benzo(b)fluoranthene[205-99-2]	ND	0.33	ug/G	SW8270	04/11/90 18:34 JR
Benzo(k)fluoranthene[207-08-9]	ND	0.33	ug/G	SW8270	04/11/90 18:34 JR
Benzo(a)pyrene[50-32-8]	ND	0.33	ug/G	SW8270	04/11/90 18:34 JR
Indeno(1,2,3-cd)pyrene[193-39-5]	ND	0.67	ug/G	SW8270	04/11/90 18:34 JR
Dibenzo(a,h)anthracene[53-70-3]	ND	0.67	ug/G	SW8270	04/11/90 18:34 JR
Benzo(ghi)perylene[191-24-2]	ND	0.67	ug/G	SW8270	04/11/90 18:34 JR
SURROGATE RECOVERY-BASE/NEUTRAL FRACTION					
Nitrobenzene-d5(SURROGATE)	17	-----	x REC	SW8270	04/11/90 18:34 JR

REF: USEPA; Test Methods For Evaluating Solid Waste; SW-846, 3rd Ed.; Nov, 1986.

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit

* Recovery was lower than the normally accepted value of 23.

** Recovery was lower than the normally accepted value of 30.

AR100456



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5639

Respectfully
Submitted:

WV-10 16:50
NITRO SANITATION LANDFILL 3103

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PRIORITY POLLUTANTS-EXTRACTABLE ORGANICS
ACID & BASE/NEUTRAL FRACTIONS
Sonication Extraction
ALL RESULTS ARE ON AN AS RECEIVED BASIS

3

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED	
					DATE/TIME	ANALYST
2-Fluorodiphenyl (SURROGATE)	27	-----	* REC	SW8270	04/11/90 18:34	JR
Terphenyl-d14 (SURROGATE)	42	-----	* REC	SW8270	04/11/90 18:34	JR

REF: USEPA; Test Methods For Evaluating Solid Waste; SW-846, 3rd Ed.; Nov, 1986.

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit

* Recovery was lower than the normally accepted value of 23.

** Recovery was lower than the normally accepted value of 30.

AR100457



TECHNICAL TESTING LABORATORIES

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LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murpny, Marion

Laboratory Number K3639

Respectfully
Submitted:

WU-13 16:50
NITRO SANITATION LANDFILL 3183

Sampled by CLIENT
Date Received 03/28/90

Date Sampled 03/28/90

PRIORITY POLLUTANTS: ACID EXTRACTABLES FRACTION
Soil Procedure/Sonication Extraction
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED DATE/TIME/ANALYST
Phenol [103-93-2]	ND	0.33	ug/G	SW8270	04/11/90 18:34 JR
2-Chlorophenol [95-57-8]	ND	0.33	ug/G	SW8270	04/11/90 18:34 JR
3-Nitrophenol [88-76-3]	ND	0.33	ug/G	SW8270	04/11/90 18:34 JR
2,4-Dimethylphenol [105-67-9]	ND	0.33	ug/G	SW8270	04/11/90 18:34 JR
2,4-Dichlorophenol [120-83-2]	ND	0.33	ug/G	SW8270	04/11/90 18:34 JR
4-Chloro-3-methylphenol [59-50-7]	ND	0.33	ug/G	SW8270	04/11/90 18:34 JR
2,4,6-Trichlorophenol [88-06-2]	ND	0.33	ug/G	SW8270	04/11/90 18:34 JR
2,4-Dinitrophenol [51-28-5]	ND	1.7	ug/G	SW8270	04/11/90 18:34 JR
7-Nitrophenol [100-02-7]	ND	1.7	ug/G	SW8270	04/11/90 18:34 JR
2-Methyl-4,6-dinitrophenol [534-52-1]	ND	1.7	ug/G	SW8270	04/11/90 18:34 JR
Pentachlorophenol [67-86-5]	ND	1.7	ug/G	SW8270	04/11/90 18:34 JR
SURROGATE RECOVERY-ACID FRACTION					
2-Fluorophenol (SURROGATE)	12	-----	x REC	SW8270	04/11/90 18:34 JR
Phenol-d6 (SURROGATE)	25	-----	x REC	SW8270	04/11/90 18:34 JR
2,4,6-Tribromophenol (SURROGATE)	10	-----	x REC	SW8270	04/11/90 18:34 JR

Extraction and Analytical Method: USEPA 8270, SW-846

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit

* Recovery was lower than the normally accepted value of 25.

AR100458



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5638

Respectfully Submitted:

WV-9 16:30
NITRO SANITATION LANDFILL 3103

Sampled by CLIENT
Date Received 03/28/90

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Date Sampled 03/28/90

PRIORITY POLLUTANTS: ACID EXTRACTABLES FRACTION
Soil Procedure/Sonication Extraction
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED DATE/TIME/ANALYST
Phenol[108-95-2]	ND	0.33	ug/G	SW8270	04/10/90 22:26 JR
2-Chlorophenol[95-57-8]	ND	0.33	ug/G	SW8270	04/10/90 22:26 JR
2-Nitrophenol[98-75-5]	ND	0.33	ug/G	SW8270	04/10/90 22:26 JR
2,4-Dimethylphenol[105-67-9]	ND	0.33	ug/G	SW8270	04/10/90 22:26 JR
2,4-Dichlorophenol[120-83-2]	ND	0.33	ug/G	SW8270	04/10/90 22:26 JR
4-Chloro-3-methylphenol[59-50-7]	ND	0.33	ug/G	SW8270	04/10/90 22:26 JR
2,4,6-Trichlorophenol[88-06-2]	ND	0.33	ug/G	SW8270	04/10/90 22:26
2,4-Dinitrophenol[51-28-5]	ND	1.7	ug/G	SW8270	04/10/90 22:26
4-Nitrophenol[100-02-7]	ND	1.7	ug/G	SW8270	04/10/90 22:26 JR
2-Methyl-4,6-dinitrophenol[534-52-1]	ND	1.7	ug/G	SW8270	04/10/90 22:26 JR
Pentachlorophenol[87-86-5]	ND	1.7	ug/G	SW8270	04/10/90 22:26 JR
SURROGATE RECOVERY-ACID FRACTION					
2-Fluorophenol (SURROGATE)	12	-----	x REC	SW8270	04/10/90 22:26 JR
Phenol-d6 (SURROGATE)	27	-----	x REC	SW8270	04/10/90 22:26 JR
2,4,6-Tribromophenol (SURROGATE)	10	-----	x REC	SW8270	04/10/90 22:26 JR

Extraction and Analytical Methods: USEPA 8270, SW-846

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit

* Recovery was lower than the normally accepted value of 25

AR100459



TECHNICAL TESTING LABORATORIES

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LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5638

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NITRO SANITATION LANDFILL 3103

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PRIORITY POLLUTANTS-EXTRACTABLE ORGANICS
ACID & BASE/NEUTRAL FRACTIONS
Sonication Extraction
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED DATE/TIME/ANALYST
Anthracene[123-13-7]	ND	0.33	ug/G	SW8270	04/10/90 22:26 JR
Di-n-butyl phthalate[117-84-2]	ND	0.33	ug/G	SW8270	04/10/90 22:26 JR
Fluoranthene[205-99-9]	ND	0.33	ug/G	SW8270	04/10/90 22:26 JR
Pyrene[129-00-0]	ND	0.33	ug/G	SW8270	04/10/90 22:26 JR
Benzidine[22-87-5]	ND	1.7	ug/G	SW8270	04/10/90 22:26 JR
Butylbenzyl phthalate[95-68-7]	ND	0.33	ug/G	SW8270	04/10/90 22:26 JR
Bis(2-ethylhexyl) phthalate[117-81-7]	2.0	0.33	ug/G	SW8270	04/10/90 22:26 JR
Chrysene[218-01-9]	ND	0.33	ug/G	SW8270	04/10/90 22:26 JR
Benz(a)anthracene[56-35-3]	ND	0.33	ug/G	SW8270	04/10/90 22:26 JR
2,3-Dichlorobenzidine[91-94-1]	ND	0.33	ug/G	SW8270	04/10/90 22:26 JR
Di-n-octyl phthalate[117-84-0]	ND	0.33	ug/G	SW8270	04/10/90 22:26 JR
Benzo(b)fluoranthene[205-99-2]	ND	0.33	ug/G	SW8270	04/10/90 22:26 JR
Benzo(k)fluoranthene[207-08-9]	ND	0.33	ug/G	SW8270	04/10/90 22:26 JR
Benzo(a)pyrene[33-32-9]	ND	0.33	ug/G	SW8270	04/10/90 22:26 JR
Indeno(1,2,3-cd)pyrene[113-33-3]	ND	0.67	ug/G	SW8270	04/10/90 22:26 JR
Dibenz(a,h)anthracene[53-70-3]	ND	0.67	ug/G	SW8270	04/10/90 22:26 JR
Benzo(g,h,i)perylene[191-24-2]	ND	0.67	ug/G	SW8270	04/10/90 22:26 JR
SURROGATE RECOVERY-BASE/NEUTRAL FRACTION					
Nitrobenzene-d5 (SURROGATE)	25	-----	x REC	SW8270	04/10/90 22:26 JR
2-Fluorobiphenyl (SURROGATE)	33	-----	x REC	SW8270	04/10/90 22:26 JR
Terphenyl-d14 (SURROGATE)	46	-----	x REC	SW8270	04/10/90 22:26 JR

REF: USEPA; Test Methods For Evaluating Solid Waste; SW-846, 3rd Ed.; Nov, 1986.

ND: Not detected at a concentration greater than or equal to the MDL

Limit

AR100460



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5638

Respectfully Submitted:

WV-9 16:30
NITRO SANITATION LANDFILL 3103

Sampled by CLIENT
Date Received 03/28/90

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Date Sampled 03/28/90

PRIORITY POLLUTANT LIST: VOLATILE ORGANICS
Soil Procedure/Methanol Extraction
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED DATE/TIME/ANALYST
Chloromethane[74-87-3]	ND	0.63	ug/G	SW8240	04/09/90 18:50 MAM
Bromomethane[74-83-9]	ND	0.63	ug/G	SW8240	04/09/90 18:50 MAM
Vinyl Chloride[75-01-4]	ND	0.63	ug/G	SW8240	04/09/90 18:50 MAM
Chloroethane[75-00-3]	ND	0.63	ug/G	SW8240	04/09/90 18:50 MAM
Methylene Chloride[75-09-2]	ND	0.63	ug/G	SW8240	04/09/90 18:50 MAM
1,1-Dichloroethene[75-35-4]	ND	0.63	ug/G	SW8240	04/09/90 18:50 MAM
1,1-Dichloroethane[75-34-3]	ND	0.63	ug/G	SW8240	04/09/90 18:50 MAM
Trans-1,2-Dichloroethene[156-60-5]	ND	0.63	ug/G	SW8240	04/09/90 18:50 MAM
Chloroform[67-66-3]	ND	0.63	ug/G	SW8240	04/09/90 18:50 MAM
1,2-Dichloroethane[107-06-2]	ND	0.63	ug/G	SW8240	04/09/90 18:50 MAM
1,1,1-Trichloroethane	ND	0.63	ug/G	SW8240	04/09/90 18:50 MAM
Carbon Tetrachloride[56-23-5]	ND	0.63	ug/G	SW8240	04/09/90 18:50 MAM
Bromodichloromethane[75-27-4]	ND	0.63	ug/G	SW8240	04/09/90 18:50 MAM
1,2-Dichloropropane[78-87-5]	ND	0.63	ug/G	SW8240	04/09/90 18:50 MAM
trans-1,3-Dichloropropene[10061-02-6]	ND	0.63	ug/G	SW8240	04/09/90 18:50 MAM
cis-1,3-Dichloropropene[10061-01-5]	ND	0.63	ug/G	SW8240	04/09/90 18:50 MAM
Trichloroethene[79-01-6]	ND	0.63	ug/G	SW8240	04/09/90 18:50 MAM
Dibromochloromethane[124-48-1]	ND	0.63	ug/G	SW8240	04/09/90 18:50 MAM
1,1,2-Trichloroethane[79-00-5]	ND	0.63	ug/G	SW8240	04/09/90 18:50 MAM
2-Chloroethylvinylether[110-75-8]	ND	1.3	ug/G	SW8240	04/09/90 18:50 MAM
Bromoform[75-25-2]	ND	0.63	ug/G	SW8240	04/09/90 18:50 MAM
1,1,2,2-Tetrachloroethane[79-34-5]	ND	0.63	ug/G	SW8240	04/09/90 18:50 MAM
Tetrachloroethene[127-18-4]	ND	0.63	ug/G	SW8240	04/09/90 18:50 MAM
Benzene[71-43-2]	ND	0.63	ug/G	SW8240	04/09/90 18:50 MAM
Toluene[108-88-3]	ND	0.63	ug/G	SW8240	04/09/90 18:50 MAM
Ethylbenzene[100-41-4]	ND	0.63	ug/G	SW8240	04/09/90 18:50 MAM
Chlorobenzene[108-90-7]	ND	0.63	ug/G	SW8240	04/09/90 18:50 MAM
Acrylonitrile[107-13-1]	ND	6.3	ug/G	SW8240	04/09/90 18:50 MAM

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit

Analytical Method: USEPA 8240, SW-846 (Purge/Trap/Desorb or Direct Injection)

AR100461

Surrogate recovery for Toluene-d8 was lower than criteria



TECHNICAL TESTING LABORATORIES

A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

R.F. Weston-Cherry Hill, NJ/Murphy, Marion

Laboratory Number K5638

Respectfully
Submitted:

WV-9 16:30
NITRO SANITATION LANDFILL 3103

Sampled by CLIENT
Date Received 03/28/90

RCM

Date Sampled 03/28/90

PAGE

PRIORITY POLLUTANT LIST: VOLATILE ORGANICS
Soil Procedure/Methanol Extraction
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED DATE/TIME/ANALYST
Acrolein(107-02-01)	ND	6.3	ug/G	SW8240	04/09/90 18:50 MAM
SURROGATE RECOVERY-VOLATILE FRACTION					
1,2-Dichloroethane-d4(SURROGATE)	75	-----	x REC	SW8240	04/09/90 18:50 MAM
Toluene-d8(SURROGATE)	78	-----	x REC	SW8240	04/09/90 18:50 MAM
Bromofluorobenzene(SURROGATE)	94	-----	x REC	SW8240	04/09/90 18:50 MAM

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit

Analytical Method: USEPA 8240, SW-846 (Purge/Trap/Desorb or Direct Injection)

Surrogate recovery for Toluene-d8 was lower than criteria

AR100462



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Laboratory Number K5636

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WU-9 16:30
NITRO SANITATION LANDFILL 3103

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PRIORITY POLLUTANTS-EXTRACTABLE ORGANICS
ACID & BASE/NEUTRAL FRACTIONS
Sonication Extraction
ALL RESULTS ARE ON AN AS RECEIVED BASIS

PARAMETER	RESULT	MDL	UNITS	METHOD	ANALYZED		
					DATE/TIME	ANALYST	
Nitrosodimethylamine[62-73-9]	ND	1.7	ug/G	SW8270	04/10/90	22:26	JR
Bis(2-chloroethoxy) ether[111-44-4]	ND	0.33	ug/G	SW8270	04/10/90	22:26	JR
1,3-Dichlorobenzene[341-78-1]	ND	0.33	ug/G	SW8270	04/10/90	22:26	JR
1,4-Dichlorobenzene[106-46-7]	ND	0.33	ug/G	SW8270	04/10/90	22:26	JR
1,2-Dichlorobenzene[95-50-1]	ND	0.33	ug/G	SW8270	04/10/90	22:26	JR
Bis(2-chloroisopropyl) ether[39538-32-9]	ND	0.33	ug/G	SW8270	04/10/90	22:26	JR
N-Nitrosodi-n-propylamine[621-24-7]	ND	0.67	ug/G	SW8270	04/10/90	22:26	
Nitrobenzene[98-95-3]	ND	0.33	ug/G	SW8270	04/10/90	22:26	
Hexachloroethane[67-72-1]	ND	0.33	ug/G	SW8270	04/10/90	22:26	JR
Isopropone[78-59-1]	ND	0.33	ug/G	SW8270	04/10/90	22:26	JR
Bis(2-Chloroethoxy)methane[111-91-1]	ND	0.33	ug/G	SW8270	04/10/90	22:26	JR
1,2,4-Trichlorobenzene[120-82-1]	ND	0.33	ug/G	SW8270	04/10/90	22:26	JR
Naphthalene[91-20-3]	ND	0.33	ug/G	SW8270	04/10/90	22:26	JR
Hexachlorobutadiene[37-68-3]	ND	0.33	ug/G	SW8270	04/10/90	22:26	JR
Hexachlorocyclopentadiene[77-47-4]	ND	0.33	ug/G	SW8270	04/10/90	22:26	JR
2-Chloronaphthalene[91-58-7]	ND	0.33	ug/G	SW8270	04/10/90	22:26	JR
Dimethyl naphthalate[131-11-3]	ND	0.33	ug/G	SW8270	04/10/90	22:26	JR
Acenaphthylene[208-96-8]	ND	0.33	ug/G	SW8270	04/10/90	22:26	JR
Acenaphthene[83-32-9]	ND	0.33	ug/G	SW8270	04/10/90	22:26	JR
2,6-Dinitrotoluene[606-20-2]	ND	0.33	ug/G	SW8270	04/10/90	22:26	JR
2,4-Dinitrotoluene[121-14-2]	ND	0.33	ug/G	SW8270	04/10/90	22:26	JR
Fluorene[86-73-7]	ND	0.33	ug/G	SW8270	04/10/90	22:26	JR
4-Chlorophenyphenylether[7005-72-3]	ND	0.33	ug/G	SW8270	04/10/90	22:26	JR
1,2-Diphenylhydrazine[122-66-7]	ND	0.33	ug/G	SW8270	04/10/90	22:26	JR
Diethylphthalate[84-66-2]	ND	0.33	ug/G	SW8270	04/10/90	22:26	JR
n-Nitrosodiphenylamine[86-38-6]	ND	0.67	ug/G	SW8270	04/10/90	22:26	JR
Hexachlorobenzene[119-74-1]	ND	0.33	ug/G	SW8270	04/10/90	22:26	JR
4-Bromophenyphenylether[101-55-3]	ND	0.33	ug/G	SW8270	04/10/90	22:26	JR
Phenanthrene[85-01-6]	ND	0.33	ug/G	SW8270	04/10/90	22:26	JR

REF: USEPA; Test Methods For Evaluating Solid Waste; SW-846, 3rd Ed.; Nov, 1986.

ND: Not detected at a concentration greater than or equal to the MDL - Method Detection Limit

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