Post-Excavation Soil Sampling Results

Notes:

- KAR reports 011316, 021312, and 021009 include samples analyzed for TCLP PCP that are not included in **Table 3-1** as these results are not relevant to the LDR petition.
- Post-excavation samples from lab reports not noted above are included in **Table 3-1**.

File 71008 - IVE

KAR *Laboratories, Inc.*

4425 Manchester Road
Kalamazoo, MI 49001
Phone 616 381-9666
Fax 616 381-9698
www.karlabs.com

Strebor Inc.
2305 Superior Avenue
Kalamazoo, MI 49001

Attn : *Mr. Mike McClish*

KAR Project No. : *011316*
Date Reported : *03/19/01*
Date Activated : *03/15/01*
Date Due : *03/19/01*
Date Validated : *03/19/01*

Project Description : *Analysis of one soil sample.*

Dear Client,

Your laboratory data is presented to you in this report. Unless otherwise stated under the "Comments" heading, all tests were performed within the maximum allowable holding times, have met or exceeded QC requirements and the result represents the sample as it was received.

If you wish to contact us about this work please mention KAR Project No. 011316. To arrange additional sampling or testing please contact our Client Services Department. If you have a question regarding quality assurance please contact William Rauch.

Thank you for the opportunity to serve you. Please do not hesitate to call if we can provide additional assistance.

Respectfully submitted,

Michael J. Jaeger
Director of Laboratories

KAR Laboratories, Inc. maintains Full Certification status for Bacteriology, Inorganics, Regulated Organics and Synthetic Organics through USEPA, Michigan Department of Public Health and Indiana State Department of Health.

POSITIVE RESULTS SUMMARY REPORT

Client: ***Strebor Inc.***

KAR Project No.: ***011316***

Date Reported: ***3/19/01***

Project Description: ***Analysis of one soil sample.***

Sample Description: ***TCLP Leachate of SP-2***

Test	Positive Result Concentration	Units
Barium, total	2.12	mg/L

This Positive Results Summary Report provides an overview of the sample set and CONTAINS ONLY RESULTS ABOVE THE REPORTING LIMIT. It should not be used as a substitute for the attached detail report.

LABORATORY DETAIL REPORT

Client: *Strebor Inc.*

KAR Project No. : ***011316***
Date Reported : ***03/19/01***

Project Desc. : ***Analysis of one soil sample.***

Sample ID : ***"SP-2"***
Sampled By : ***MM of Strebor***
Sample Date : ***3/15/01***
Sample Time : ***0915***

Date Received : ***3/15/01***
Sample Type : ***soil***
KAR Sample No. : ***011316-01***

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
TCLP extraction	*Completed*		*EPA 1311*	*03/15/01*	*DRA*	
TCLP report	*See comment*			*03/19/01*	*SRM*	*This material does not exhibit the Toxicity Characteristic with respect to the RCRA Metals.*

LABORATORY DETAIL REPORT

Client: *Strebor Inc.*

KAR Project No. : *011316*
Date Reported : *03/19/01*

Project Desc. : *Analysis of one soil sample.*

Sample ID : *TCLP Leachate of SP-2*
Sampled By :
Sample Date :
Sample Time :

Date Received : *3/15/01*
Sample Type : *TCLP*
KAR Sample No. : *011316-01T*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
TC Metals	Completed		EPA 6010B	03/19/01	PML	
Prep, Hg	Completed		EPA 7470A	03/19/01	DBL	
Prep, metals	Completed		EPA 3050	03/16/01	MJB	
Arsenic, total, by ICP	<0.5	mg/L	EPA 6010B	03/19/01	PML	TC regulatory limit is 5.0 mg/L.
Barium, total	2.12	mg/L	EPA 6010B	03/19/01	PML	TC regulatory limit is 100 mg/L.
Cadmium, total	<0.025	mg/L	EPA 6010B	03/19/01	PML	TC regulatory limit is 1.0 mg/L.
Chromium, total	<0.05	mg/L	EPA 6010B	03/19/01	PML	TC regulatory limit is 5.0 mg/L.
Lead, total, by ICP	<0.25	mg/L	EPA 6010B	03/19/01	PML	TC regulatory limit is 5.0 mg/L.
Mercury, total	<0.05	mg/L	EPA 7470A	03/19/01	DBL	TC regulatory limit is 0.2 mg/L.
Selenium, total, by ICP	<0.5	mg/L	EPA 6010B	03/19/01	PML	TC regulatory limit is 1.0 mg/L.
Silver, total	<0.025	mg/L	EPA 6010B	03/19/01	PML	TC regulatory limit is 5.0 mg/L.

CHAIN - OF - CUSTODY RECORD

Strebor Inc.

LAB: KAR Laboratories
PROJECT NUMBER | PROJECT MANAGER

SEND RESULTS TO: Mike McClish
TURNAROUND REQUEST: RUSH
SAMPLE RETENTION: RETURN | DISPOSE

CHAIN-OF-CUSTODY NO. SI - 892

ITEM NO.	SAMPLE ID NUMBER	SAMPLE DATE / SAMPLE TIME	MATRIX	NUMBER AND TYPE OF CONTAINER	ANALYSIS CODE	Grab (G) Composite (C)	DESCRIPTION/COMMENTS
1	SP-2	3-15-01 / 09:15	O	1x145ml-e	16	C	Four Grabs from on-site Stockpile
2							
3							
4							
5							
6							
7							
8							

ANALYSIS CODES
- Cross out any unwanted parameter.
- List any extra parameters in section below.

01 VOC's EPA 601/602 (includes Xylenes)
02 Phenols EPA 625
03 Pentachlorophenol EPA 625
04 Total Suspended Solids EPA 160.2
05 PAH EPA 625
06 Phthalate Esters EPA 625
07 pH EPA 150.1
08 TPH EPA 8015 Modified
09 Cr, Cu,Ni,Zn EPA 200.7
10 Cd. EPA 213.2
11 Pb EPA 239.2
12 Hg EPA 245.2
13 CN (total) EPA 335.2
14 PCBs EPA 608
15 PCDDs/PCDFs EPA 1613
(16) TCLP - RCRA Metals
17
18
19
20
21
22
23
24
25

SAMPLER: Michael E. McClish
AFFILIATION: Bay West
DATE: 3-15-01
TIME:

TRANS NO.	ITEM NO.	RELINQUISHED BY	ACCEPTED BY	DATE	TIME
1	1	Michael E. McClish	[signature]	3/15/01	10:30
2					
3					
4					
5					

PRESERVATION:
All samples must be preserved at 4°C (39°F), unless specified otherwise.

Cd, Cr, Cu, Pb, Ni, Zn pH<2 with HNO3
Cn pH>12 with NaOH

Matrix:
W = Water
L = Liquid Sample
S = Solid Sample
SD = Solids Sample
SL = Sludge Sample
O = Other (specify Soil)

WHITE - CLIENT FILE COPY YELLOW - LABORATORY FILE COPY PINK - BAY WEST FILE COPY GOLDENROD - STREBOR INC. FILE COPY

010489

File 990088-IVE

KAR *Laboratories, Inc.*

4425 Manchester Road
Kalamazoo, MI 49001
Phone 616 381-9666
Fax 616 381-9698
www.karlabs.com

Strebor Inc.
2305 Superior Avenue
Kalamazoo, MI 49001

Attn : *Mr. Mike McClish*

KAR Project No. :	***011317***
Date Reported :	***03/29/01***
Date Activated :	***03/15/01***
Date Due :	***03/29/01***
Date Validated :	***03/29/01***

Project Description : ***Analysis of three soil samples.***

Dear Client,

Your laboratory data is presented to you in this report. Unless otherwise stated under the "Comments" heading, all tests were performed within the maximum allowable holding times, have met or exceeded QC requirements and the result represents the sample as it was received.

If you wish to contact us about this work please mention KAR Project No. 011317. To arrange additional sampling or testing please contact our Client Services Department. If you have a question regarding quality assurance please contact William Rauch.

Thank you for the opportunity to serve you. Please do not hesitate to call if we can provide additional assistance.

Respectfully submitted,

Michael J. Jaeger
Director of Laboratories

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POSITIVE RESULTS SUMMARY REPORT

Client: *Strebor Inc.*

KAR Project No.: *011317*

Date Reported: *3/29/01*

Project Description: *Analysis of three soil samples.*

Sample Description: ***"PE-1"***

Test	Positive Result Concentration	Units
1,2,4-Trimethylbenzene	20,000	ug/kg dry sample
1,3,5-Trimethylbenzene	2600	ug/kg dry sample
2-Methylnaphthalene by 8260	1900	ug/kg dry sample
Arsenic, total, low level	0.9	mg/kg dry sample
Barium, total, low level	872	mg/kg dry sample
Bis(2-ethylhexyl)phthalate	8300	ug/kg dry sample
Cadmium, total, low level	0.28	mg/kg dry sample
Chromium, total, low level	15.8	mg/kg dry sample
Ethylbenzene	260	ug/kg dry sample
Isopropylbenzene	850	ug/kg dry sample
Lead, total	72	mg/kg dry sample
M-and/or p-xylene	600	ug/kg dry sample
Mercury, total, low level	1.42	mg/kg dry sample
N-Propylbenzene	2600	ug/kg dry sample
Naphthalene	1400	ug/kg dry sample
Naphthalene by Method 8270	640	ug/kg dry sample
O-Xylene	460	ug/kg dry sample
Pentachlorophenol	3200	ug/kg dry sample
Phenanthrene	520	ug/kg dry sample
Pyrene	370	ug/kg dry sample

Sample Description: ***"PE-2"***

Test	Positive Result Concentration	Units
1,2,4-Trimethylbenzene	280	ug/kg dry sample
Arsenic, total, low level	6.1	mg/kg dry sample
Barium, total, low level	295	mg/kg dry sample
Benzo(b)fluoranthene	420	ug/kg dry sample
Bis(2-ethylhexyl)phthalate	3100	ug/kg dry sample
Cadmium, total, low level	0.24	mg/kg dry sample
Chromium, total, low level	10.6	mg/kg dry sample
Lead, total	36	mg/kg dry sample
Mercury, total, low level	0.52	mg/kg dry sample
Pyrene	840	ug/kg dry sample
Selenium, total, low level	1.4	mg/kg dry sample

Sample Description: ***"PE-3"***

Test	Positive Result Concentration	Units
Arsenic, total, low level	6.4	mg/kg dry sample
Barium, total, low level	84	mg/kg dry sample
Benzo(a)pyrene	390	ug/kg dry sample
Bis(2-ethylhexyl)phthalate	3300	ug/kg dry sample
Cadmium, total, low level	0.34	mg/kg dry sample
Chromium, total, low level	9.4	mg/kg dry sample
Lead, total	88	mg/kg dry sample
Mercury, total, low level	0.39	mg/kg dry sample

This Positive Results Summary Report provides an overview of the sample set and CONTAINS ONLY RESULTS ABOVE THE REPORTING LIMIT. It should not be used as a substitute for the attached detail report.

POSITIVE RESULTS SUMMARY REPORT

Client: *Strebor Inc.*

KAR Project No.: *011317*

Date Reported: *3/29/01*

Project Description: *Analysis of three soil samples.*

Sample Description: ***"PE-3"***

Test	Positive Result Concentration	Units
Pyrene	520	ug/kg dry sample
Selenium, total, low level	1.3	mg/kg dry sample

This Positive Results Summary Report provides an overview of the sample set and CONTAINS ONLY RESULTS ABOVE THE REPORTING LIMIT. It should not be used as a substitute for the attached detail report.

LABORATORY DETAIL REPORT

KAR Project No. : ***011317***

Client: ***Strebor Inc.***

Date Reported : ***03/29/01***

Project Desc. : ***Analysis of three soil samples.***

Sample ID : ***"PE-1"***
Sampled By : ***ES of Bay West, Inc.***
Sample Date : ***3/14/01***
Sample Time : ***1415***

Date Received : ***3/15/01***
Sample Type : ***soil***
KAR Sample No. : ***011317-01***

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Prep, Hg	Completed		EPA 7471A	03/21/01	MJB	
Prep, metals	Completed		EPA 3050	03/20/01	MJB	
Arsenic, total, low level	0.9	mg/kg dry sample	EPA 6020	03/22/01	DBL	
Barium, total, low level	872	mg/kg dry sample	EPA 6010B	03/22/01	PML	
Cadmium, total, low level	0.28	mg/kg dry sample	EPA 6020	03/22/01	DBL	
Chromium, total, low level	15.8	mg/kg dry sample	EPA 6010B	03/22/01	PML	
Lead, total	72	mg/kg dry sample	EPA 6010B	03/22/01	PML	
Mercury, total, low level	1.42	mg/kg dry sample	EPA 7471A	03/22/01	DBL	
Selenium, total, low level	<1.2	mg/kg dry sample	EPA 6020	03/22/01	DBL	Elevated detection limit due to sample matrix interference.
Silver, total	<0.5	mg/kg dry sample	EPA 6010B	03/22/01	PML	
Dry weight solids	77.46	% by weight	SM(18) 2540B mod	03/16/01	BLF	
EPA 8260 Plus	See below		EPA 8260	03/20/01	DLB	
Prep, VOA	Completed		EPA 5035	03/23/01	DLB	Sample was field-preserved at time of collection.
1,1,1,2-Tetrachloroethane	<100	ug/kg dry sample	EPA 8260	03/20/01	DLB	
1,1,1-Trichloroethane	<50	ug/kg dry sample	EPA 8260	03/20/01	DLB	
1,1,2,2-Tetrachloroethane	<100	ug/kg dry sample	EPA 8260	03/20/01	DLB	
1,1,2-Trichloroethane	<50	ug/kg dry sample	EPA 8260	03/20/01	DLB	
1,1-Dichloroethane	<50	ug/kg dry sample	EPA 8260	03/20/01	DLB	
1,1-Dichloroethene	<50	ug/kg dry sample	EPA 8260	03/20/01	DLB	
1,2,3-Trichloropropane	<100	ug/kg dry sample	EPA 8260	03/20/01	DLB	
1,2,4-Trichlorobenzene	<250	ug/kg dry sample	EPA 8260	03/20/01	DLB	
1,2,4-Trimethylbenzene	20,000	ug/kg dry sample	EPA 8260	03/23/01	DLB	
1,2-Dibromo-3-chloropropane	<250	ug/kg dry sample	EPA 8260	03/20/01	DLB	
1,2-Dichlorobenzene	<100	ug/kg dry sample	EPA 8260	03/20/01	DLB	
1,2-Dichloroethane	<50	ug/kg dry sample	EPA 8260	03/20/01	DLB	
1,2-Dichloropropane	<50	ug/kg dry sample	EPA 8260	03/20/01	DLB	
1,3,5-Trimethylbenzene	2600	ug/kg dry sample	EPA 8260	03/20/01	DLB	
1,3-Dichlorobenzene	<100	ug/kg dry sample	EPA 8260	03/20/01	DLB	
1,4-Dichlorobenzene	<100	ug/kg dry sample	EPA 8260	03/20/01	DLB	
2-Butanone	<250	ug/kg dry sample	EPA 8260	03/20/01	DLB	
2-Hexanone	<2500	ug/kg dry sample	EPA 8260	03/20/01	DLB	
2-Methylnaphthalene by 8260	1900	ug/kg dry sample	EPA 8260	03/20/01	DLB	
4-Methyl-2-pentanone	<2500	ug/kg dry sample	EPA 8260	03/20/01	DLB	
Acetone	<750	ug/kg dry sample	EPA 8260	03/20/01	DLB	
Acrylonitrile	<2500	ug/kg dry sample	EPA 8260	03/20/01	DLB	
Benzene	<50	ug/kg dry sample	EPA 8260	03/20/01	DLB	
Bromochloromethane	<100	ug/kg dry sample	EPA 8260	03/20/01	DLB	
Bromodichloromethane	<100	ug/kg dry sample	EPA 8260	03/20/01	DLB	
Bromoform	<100	ug/kg dry sample	EPA 8260	03/20/01	DLB	
Bromomethane	<250	ug/kg dry sample	EPA 8260	03/20/01	DLB	
Carbon disulfide	<250	ug/kg dry sample	EPA 8260	03/20/01	DLB	
Carbon tetrachloride	<50	ug/kg dry sample	EPA 8260	03/20/01	DLB	
Chlorobenzene	<50	ug/kg dry sample	EPA 8260	03/20/01	DLB	

LABORATORY DETAIL REPORT

KAR Project No. : ***011317***

Client: ***Strebor Inc.***

Date Reported : ***03/29/01***

Project Desc. : ***Analysis of three soil samples.***

Sample ID : ***"PE-1"***

Sampled By : ***ES of Bay West, Inc.***
Sample Date : ***3/14/01***
Sample Time : ***1415***

Date Received : ***3/15/01***
Sample Type : ***soil***
KAR Sample No. : ***011317-01***

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Chloroethane	<250	ug/kg dry sample	EPA 8260	03/20/01	DLB	
Chloroform	<50	ug/kg dry sample	EPA 8260	03/20/01	DLB	
Chloromethane	<250	ug/kg dry sample	EPA 8260	03/20/01	DLB	
Cis-1,2-Dichloroethene	<50	ug/kg dry sample	EPA 8260	03/20/01	DLB	
Cis-1,3-Dichloropropene	<50	ug/kg dry sample	EPA 8260	03/20/01	DLB	
Dibromochloromethane	<100	ug/kg dry sample	EPA 8260	03/20/01	DLB	
Dibromomethane	<250	ug/kg dry sample	EPA 8260	03/20/01	DLB	
Dichlorodifluoromethane	<100	ug/kg dry sample	EPA 8260	03/20/01	DLB	
Diethyl ether	<2500	ug/kg dry sample	EPA 8260	03/20/01	DLB	
Ethylbenzene	260	ug/kg dry sample	EPA 8260	03/20/01	DLB	
Ethylene dibromide	<250	ug/kg dry sample	EPA 8260	03/20/01	DLB	
Hexachloroethane by 8260	<250	ug/kg dry sample	EPA 8260	03/20/01	DLB	
Isopropylbenzene	850	ug/kg dry sample	EPA 8260	03/20/01	DLB	
M-and/or p-xylene	600	ug/kg dry sample	EPA 8260	03/20/01	DLB	
Methyl iodide	<100	ug/kg dry sample	EPA 8260	03/20/01	DLB	
Methyl t-butyl ether (MTBE)	<250	ug/kg dry sample	EPA 8260	03/20/01	DLB	
Methylene chloride	<250	ug/kg dry sample	EPA 8260	03/20/01	DLB	
N-Propylbenzene	2600	ug/kg dry sample	EPA 8260	03/20/01	DLB	
Naphthalene	1400	ug/kg dry sample	EPA 8260	03/20/01	DLB	
O-Xylene	460	ug/kg dry sample	EPA 8260	03/20/01	DLB	
Styrene	<50	ug/kg dry sample	EPA 8260	03/20/01	DLB	
Tetrachloroethene	<50	ug/kg dry sample	EPA 8260	03/20/01	DLB	
Toluene	<100	ug/kg dry sample	EPA 8260	03/20/01	DLB	
Trans-1,2-Dichloroethene	<50	ug/kg dry sample	EPA 8260	03/20/01	DLB	
Trans-1,3-Dichloropropene	<50	ug/kg dry sample	EPA 8260	03/20/01	DLB	
Trans-1,4-Dichloro-2-butene	<100	ug/kg dry sample	EPA 8260	03/20/01	DLB	
Trichloroethene	<50	ug/kg dry sample	EPA 8260	03/20/01	DLB	
Trichlorofluoromethane	<100	ug/kg dry sample	EPA 8260	03/20/01	DLB	
Vinyl chloride	<100	ug/kg dry sample	EPA 8260	03/20/01	DLB	
Prior. Poll. acids	See below		EPA 8270	03/28/01	KTL	
Prior. Poll. base-neutrals	See below		EPA 8270	03/28/01	KTL	
Prep, SV Acid/BN	Completed		EPA 3545	03/23/01	SAS	
1,2,4-Trichlorobenzene 8270	<330	ug/kg dry sample	EPA 8270	03/28/01	KTL	
1,2-Dichlorobenzene by 8270	<330	ug/kg dry sample	EPA 8270	03/28/01	KTL	
1,2-Diphenylhydrazine	<330	ug/kg dry sample	EPA 8270	03/28/01	KTL	
1,3-Dichlorobenzene by 8270	<330	ug/kg dry sample	EPA 8270	03/28/01	KTL	
1,4-Dichlorobenzene by 8270	<330	ug/kg dry sample	EPA 8270	03/28/01	KTL	
2,3,7,8-TCDD by 8270	<330	ug/kg dry sample	EPA 8270	03/28/01	KTL	
2,4,6-Trichlorophenol	<330	ug/kg dry sample	EPA 8270	03/28/01	KTL	
2,4-Dichlorophenol	<330	ug/kg dry sample	EPA 8270	03/28/01	KTL	
2,4-Dimethylphenol	<330	ug/kg dry sample	EPA 8270	03/28/01	KTL	
2,4-Dinitrophenol	<660	ug/kg dry sample	EPA 8270	03/28/01	KTL	
2,4-Dinitrotoluene	<330	ug/kg dry sample	EPA 8270	03/28/01	KTL	
2,6-Dinitrotoluene	<330	ug/kg dry sample	EPA 8270	03/28/01	KTL	
2-Chloronaphthalene	<330	ug/kg dry sample	EPA 8270	03/28/01	KTL	

LABORATORY DETAIL REPORT

KAR Project No. : *011317*

Client: *Strebor Inc.*

Date Reported : *03/29/01*

Project Desc. : *Analysis of three soil samples.*

Sample ID : *"PE-1"*
Sampled By : *ES of Bay West, Inc.*
Sample Date : *3/14/01*
Sample Time : *1415*

Date Received : *3/15/01*
Sample Type : *soil*
KAR Sample No. : *011317-01*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
2-Chlorophenol	<330	ug/kg dry sample	EPA 8270	03/28/01	KTL	
2-Methyl-4,6-dinitrophenol	<660	ug/kg dry sample	EPA 8270	03/28/01	KTL	
2-Nitrophenol	<330	ug/kg dry sample	EPA 8270	03/28/01	KTL	
3,3'-Dichlorobenzidine	<660	ug/kg dry sample	EPA 8270	03/28/01	KTL	
4-Bromophenyl phenyl ether	<330	ug/kg dry sample	EPA 8270	03/28/01	KTL	
4-Chloro-3-methylphenol	<330	ug/kg dry sample	EPA 8270	03/28/01	KTL	
4-Chlorophenyl phenyl ether	<330	ug/kg dry sample	EPA 8270	03/28/01	KTL	
4-Nitrophenol	<660	ug/kg dry sample	EPA 8270	03/28/01	KTL	
Acenaphthene	<330	ug/kg dry sample	EPA 8270	03/28/01	KTL	
Acenaphthylene	<330	ug/kg dry sample	EPA 8270	03/28/01	KTL	
Anthracene	<330	ug/kg dry sample	EPA 8270	03/28/01	KTL	
Benzidine	<1650	ug/kg dry sample	EPA 8270	03/28/01	KTL	
Benzo(a)anthracene	<330	ug/kg dry sample	EPA 8270	03/28/01	KTL	
Benzo(a)pyrene	<330	ug/kg dry sample	EPA 8270	03/28/01	KTL	
Benzo(b)fluoranthene	<330	ug/kg dry sample	EPA 8270	03/28/01	KTL	
Benzo(ghi)perylene	<330	ug/kg dry sample	EPA 8270	03/28/01	KTL	
Benzo(k)fluoranthene	<330	ug/kg dry sample	EPA 8270	03/28/01	KTL	
Bis(2-chloroethoxy)methane	<330	ug/kg dry sample	EPA 8270	03/28/01	KTL	
Bis(2-chloroethyl)ether	<330	ug/kg dry sample	EPA 8270	03/28/01	KTL	
Bis(2-chloroisopropyl)ether	<330	ug/kg dry sample	EPA 8270	03/28/01	KTL	
Bis(2-ethylhexyl)phthalate	8300	ug/kg dry sample	EPA 8270	03/28/01	KTL	
Butylbenzyl phthalate	<330	ug/kg dry sample	EPA 8270	03/28/01	KTL	
Chrysene	<330	ug/kg dry sample	EPA 8270	03/28/01	KTL	
Di-N-butylphthalate	<330	ug/kg dry sample	EPA 8270	03/28/01	KTL	
Di-n-Octyl phthalate	<330	ug/kg dry sample	EPA 8270	03/28/01	KTL	
Dibenzo(ah)anthracene	<330	ug/kg dry sample	EPA 8270	03/28/01	KTL	
Diethyl phthalate	<330	ug/kg dry sample	EPA 8270	03/28/01	KTL	
Dimethyl phthalate	<330	ug/kg dry sample	EPA 8270	03/28/01	KTL	
Fluoranthene	<330	ug/kg dry sample	EPA 8270	03/28/01	KTL	
Fluorene	<330	ug/kg dry sample	EPA 8270	03/28/01	KTL	
Hexachlorobenzene	<330	ug/kg dry sample	EPA 8270	03/28/01	KTL	
Hexachlorobutadiene	<330	ug/kg dry sample	EPA 8270	03/28/01	KTL	
Hexachlorocyclopentadiene	<330	ug/kg dry sample	EPA 8270	03/28/01	KTL	
Hexachloroethane	<330	ug/kg dry sample	EPA 8270	03/28/01	KTL	
Indeno(123cd)pyrene	<330	ug/kg dry sample	EPA 8270	03/28/01	KTL	
Isophorone	<330	ug/kg dry sample	EPA 8270	03/28/01	KTL	
N-Nitrosodi-n-propylamine	<330	ug/kg dry sample	EPA 8270	03/28/01	KTL	
N-Nitrosodimethylamine	<330	ug/kg dry sample	EPA 8270	03/28/01	KTL	
N-Nitrosodiphenylamine	<330	ug/kg dry sample	EPA 8270	03/28/01	KTL	
Naphthalene by Method 8270	640	ug/kg dry sample	EPA 8270	03/28/01	KTL	
Nitrobenzene	<330	ug/kg dry sample	EPA 8270	03/28/01	KTL	
Pentachlorophenol	3200	ug/kg dry sample	EPA 8270	03/28/01	KTL	
Phenanthrene	520	ug/kg dry sample	EPA 8270	03/28/01	KTL	
Phenol	<330	ug/kg dry sample	EPA 8270	03/28/01	KTL	
Pyrene	370	ug/kg dry sample	EPA 8270	03/28/01	KTL	

LABORATORY DETAIL REPORT

KAR Project No. : ***011317***

Client: ***Strebor Inc.***

Date Reported : ***03/29/01***

Project Desc. : ***Analysis of three soil samples.***

Sample ID : ***"PE-2"***
Sampled By : ***ES of Bay West, Inc.***
Sample Date : ***3/15/01***
Sample Time : ***0920***

Date Received : ***3/15/01***
Sample Type : ***soil***
KAR Sample No. : ***011317-02***

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Prep, Hg	Completed		EPA 7471A	03/21/01	MJB	
Prep, metals	Completed		EPA 3050	03/20/01	MJB	
Arsenic, total, low level	6.1	mg/kg dry sample	EPA 6020	03/22/01	DBL	
Barium, total, low level	295	mg/kg dry sample	EPA 6010B	03/22/01	PML	
Cadmium, total, low level	0.24	mg/kg dry sample	EPA 6020	03/22/01	DBL	
Chromium, total, low level	10.6	mg/kg dry sample	EPA 6010B	03/22/01	PML	
Lead, total	36	mg/kg dry sample	EPA 6010B	03/22/01	PML	
Mercury, total, low level	0.52	mg/kg dry sample	EPA 7471A	03/22/01	DBL	
Selenium, total, low level	1.4	mg/kg dry sample	EPA 6020	03/22/01	DBL	
Silver, total	<0.5	mg/kg dry sample	EPA 6010B	03/22/01	PML	
Dry weight solids	84.15	% by weight	SM(18) 2540B mod	03/16/01	BLF	
EPA 8260 Plus	See below		EPA 8260	03/20/01	DLB	
Prep, VOA	Completed		EPA 5035	03/20/01	DLB	Sample was field-preserved at time of collection.
1,1,1,2-Tetrachloroethane	<100	ug/kg dry sample	EPA 8260	03/20/01	DLB	
1,1,1-Trichloroethane	<50	ug/kg dry sample	EPA 8260	03/20/01	DLB	
1,1,2,2-Tetrachloroethane	<100	ug/kg dry sample	EPA 8260	03/20/01	DLB	
1,1,2-Trichloroethane	<50	ug/kg dry sample	EPA 8260	03/20/01	DLB	
1,1-Dichloroethane	<50	ug/kg dry sample	EPA 8260	03/20/01	DLB	
1,1-Dichloroethene	<50	ug/kg dry sample	EPA 8260	03/20/01	DLB	
1,2,3-Trichloropropane	<100	ug/kg dry sample	EPA 8260	03/20/01	DLB	
1,2,4-Trichlorobenzene	<250	ug/kg dry sample	EPA 8260	03/20/01	DLB	
1,2,4-Trimethylbenzene	280	ug/kg dry sample	EPA 8260	03/20/01	DLB	
1,2-Dibromo-3-chloropropane	<250	ug/kg dry sample	EPA 8260	03/20/01	DLB	
1,2-Dichlorobenzene	<100	ug/kg dry sample	EPA 8260	03/20/01	DLB	
1,2-Dichloroethane	<50	ug/kg dry sample	EPA 8260	03/20/01	DLB	
1,2-Dichloropropane	<50	ug/kg dry sample	EPA 8260	03/20/01	DLB	
1,3,5-Trimethylbenzene	<100	ug/kg dry sample	EPA 8260	03/20/01	DLB	
1,3-Dichlorobenzene	<100	ug/kg dry sample	EPA 8260	03/20/01	DLB	
1,4-Dichlorobenzene	<100	ug/kg dry sample	EPA 8260	03/20/01	DLB	
2-Butanone	<250	ug/kg dry sample	EPA 8260	03/20/01	DLB	
2-Hexanone	<2500	ug/kg dry sample	EPA 8260	03/20/01	DLB	
2-Methylnaphthalene by 8260	<250	ug/kg dry sample	EPA 8260	03/20/01	DLB	
4-Methyl-2-pentanone	<2500	ug/kg dry sample	EPA 8260	03/20/01	DLB	
Acetone	<750	ug/kg dry sample	EPA 8260	03/20/01	DLB	
Acrylonitrile	<2500	ug/kg dry sample	EPA 8260	03/20/01	DLB	
Benzene	<50	ug/kg dry sample	EPA 8260	03/20/01	DLB	
Bromochloromethane	<100	ug/kg dry sample	EPA 8260	03/20/01	DLB	
Bromodichloromethane	<100	ug/kg dry sample	EPA 8260	03/20/01	DLB	
Bromoform	<100	ug/kg dry sample	EPA 8260	03/20/01	DLB	
Bromomethane	<250	ug/kg dry sample	EPA 8260	03/20/01	DLB	
Carbon disulfide	<250	ug/kg dry sample	EPA 8260	03/20/01	DLB	
Carbon tetrachloride	<50	ug/kg dry sample	EPA 8260	03/20/01	DLB	
Chlorobenzene	<50	ug/kg dry sample	EPA 8260	03/20/01	DLB	
Chloroethane	<250	ug/kg dry sample	EPA 8260	03/20/01	DLB	

LABORATORY DETAIL REPORT

KAR Project No. : *011317*

Client: *Strebor Inc.*

Date Reported : *03/29/01*

Project Desc. : *Analysis of three soil samples.*

Sample ID : *"PE-2"*

Sampled By : *ES of Bay West, Inc.*

Sample Date : *3/15/01*

Sample Time : *0920*

Date Received : *3/15/01*

Sample Type : *soil*

KAR Sample No. : *011317-02*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Chloroform	<50	ug/kg dry sample	EPA 8260	03/20/01	DLB	
Chloromethane	<250	ug/kg dry sample	EPA 8260	03/20/01	DLB	
Cis-1,2-Dichloroethene	<50	ug/kg dry sample	EPA 8260	03/20/01	DLB	
Cis-1,3-Dichloropropene	<50	ug/kg dry sample	EPA 8260	03/20/01	DLB	
Dibromochloromethane	<100	ug/kg dry sample	EPA 8260	03/20/01	DLB	
Dibromomethane	<250	ug/kg dry sample	EPA 8260	03/20/01	DLB	
Dichlorodifluoromethane	<100	ug/kg dry sample	EPA 8260	03/20/01	DLB	
Diethyl ether	<2500	ug/kg dry sample	EPA 8260	03/20/01	DLB	
Ethylbenzene	<50	ug/kg dry sample	EPA 8260	03/20/01	DLB	
Ethylene dibromide	<250	ug/kg dry sample	EPA 8260	03/20/01	DLB	
Hexachloroethane by 8260	<250	ug/kg dry sample	EPA 8260	03/20/01	DLB	
Isopropylbenzene	<100	ug/kg dry sample	EPA 8260	03/20/01	DLB	
M-and/or p-xylene	<100	ug/kg dry sample	EPA 8260	03/20/01	DLB	
Methyl iodide	<100	ug/kg dry sample	EPA 8260	03/20/01	DLB	
Methyl t-butyl ether (MTBE)	<250	ug/kg dry sample	EPA 8260	03/20/01	DLB	
Methylene chloride	<250	ug/kg dry sample	EPA 8260	03/20/01	DLB	
N-Propylbenzene	<100	ug/kg dry sample	EPA 8260	03/20/01	DLB	
Naphthalene	<250	ug/kg dry sample	EPA 8260	03/20/01	DLB	
O-Xylene	<50	ug/kg dry sample	EPA 8260	03/20/01	DLB	
Styrene	<50	ug/kg dry sample	EPA 8260	03/20/01	DLB	
Tetrachloroethene	<50	ug/kg dry sample	EPA 8260	03/20/01	DLB	
Toluene	<100	ug/kg dry sample	EPA 8260	03/20/01	DLB	
Trans-1,2-Dichloroethene	<50	ug/kg dry sample	EPA 8260	03/20/01	DLB	
Trans-1,3-Dichloropropene	<50	ug/kg dry sample	EPA 8260	03/20/01	DLB	
Trans-1,4-Dichloro-2-butene	<100	ug/kg dry sample	EPA 8260	03/20/01	DLB	
Trichloroethene	<50	ug/kg dry sample	EPA 8260	03/20/01	DLB	
Trichlorofluoromethane	<100	ug/kg dry sample	EPA 8260	03/20/01	DLB	
Vinyl chloride	<100	ug/kg dry sample	EPA 8260	03/20/01	DLB	
Prior. Poll. acids	See below		EPA 8270	03/28/01	KTL	
Prior. Poll. base-neutrals	See below		EPA 8270	03/28/01	KTL	
Prep, SV Acid/BN	Completed		EPA 3545	03/23/01	SAS	
1,2,4-Trichlorobenzene 8270	<330	ug/kg dry sample	EPA 8270	03/28/01	KTL	
1,2-Dichlorobenzene by 8270	<330	ug/kg dry sample	EPA 8270	03/28/01	KTL	
1,2-Diphenylhydrazine	<330	ug/kg dry sample	EPA 8270	03/28/01	KTL	
1,3-Dichlorobenzene by 8270	<330	ug/kg dry sample	EPA 8270	03/28/01	KTL	
1,4-Dichlorobenzene by 8270	<330	ug/kg dry sample	EPA 8270	03/28/01	KTL	
2,3,7,8-TCDD by 8270	<330	ug/kg dry sample	EPA 8270	03/28/01	KTL	
2,4,6-Trichlorophenol	<330	ug/kg dry sample	EPA 8270	03/28/01	KTL	
2,4-Dichlorophenol	<330	ug/kg dry sample	EPA 8270	03/28/01	KTL	
2,4-Dimethylphenol	<330	ug/kg dry sample	EPA 8270	03/28/01	KTL	
2,4-Dinitrophenol	<660	ug/kg dry sample	EPA 8270	03/28/01	KTL	
2,4-Dinitrotoluene	<330	ug/kg dry sample	EPA 8270	03/28/01	KTL	
2,6-Dinitrotoluene	<330	ug/kg dry sample	EPA 8270	03/28/01	KTL	
2-Chloronaphthalene	<330	ug/kg dry sample	EPA 8270	03/28/01	KTL	
2-Chlorophenol	<330	ug/kg dry sample	EPA 8270	03/28/01	KTL	

LABORATORY DETAIL REPORT

KAR Project No. : *011317*

Client: *Strebor Inc.*

Date Reported : *03/29/01*

Project Desc. : *Analysis of three soil samples.*

Sample ID : *"PE-2"*

Sampled By : *ES of Bay West, Inc.*

Sample Date : *3/15/01*

Sample Time : *0920*

Date Received : *3/15/01*

Sample Type : *soil*

KAR Sample No. : *011317-02*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
2-Methyl-4,6-dinitrophenol	<660	ug/kg dry sample	EPA 8270	03/28/01	KTL	
2-Nitrophenol	<330	ug/kg dry sample	EPA 8270	03/28/01	KTL	
3,3'-Dichlorobenzidine	<660	ug/kg dry sample	EPA 8270	03/28/01	KTL	
4-Bromophenyl phenyl ether	<330	ug/kg dry sample	EPA 8270	03/28/01	KTL	
4-Chloro-3-methylphenol	<330	ug/kg dry sample	EPA 8270	03/28/01	KTL	
4-Chlorophenyl phenyl ether	<330	ug/kg dry sample	EPA 8270	03/28/01	KTL	
4-Nitrophenol	<660	ug/kg dry sample	EPA 8270	03/28/01	KTL	
Acenaphthene	<330	ug/kg dry sample	EPA 8270	03/28/01	KTL	
Acenaphthylene	<330	ug/kg dry sample	EPA 8270	03/28/01	KTL	
Anthracene	<330	ug/kg dry sample	EPA 8270	03/28/01	KTL	
Benzidine	<1650	ug/kg dry sample	EPA 8270	03/28/01	KTL	
Benzo(a)anthracene	<330	ug/kg dry sample	EPA 8270	03/28/01	KTL	
Benzo(a)pyrene	<330	ug/kg dry sample	EPA 8270	03/28/01	KTL	
Benzo(b)fluoranthene	420	ug/kg dry sample	EPA 8270	03/28/01	KTL	
Benzo(ghi)perylene	<330	ug/kg dry sample	EPA 8270	03/28/01	KTL	
Benzo(k)fluoranthene	<330	ug/kg dry sample	EPA 8270	03/28/01	KTL	
Bis(2-chloroethoxy)methane	<330	ug/kg dry sample	EPA 8270	03/28/01	KTL	
Bis(2-chloroethyl)ether	<330	ug/kg dry sample	EPA 8270	03/28/01	KTL	
Bis(2-chloroisopropyl)ether	<330	ug/kg dry sample	EPA 8270	03/28/01	KTL	
Bis(2-ethylhexyl)phthalate	3100	ug/kg dry sample	EPA 8270	03/28/01	KTL	
Butylbenzyl phthalate	<330	ug/kg dry sample	EPA 8270	03/28/01	KTL	
Chrysene	<330	ug/kg dry sample	EPA 8270	03/28/01	KTL	
Di-N-butylphthalate	<330	ug/kg dry sample	EPA 8270	03/28/01	KTL	
Di-n-Octyl phthalate	<330	ug/kg dry sample	EPA 8270	03/28/01	KTL	
Dibenzo(ah)anthracene	<330	ug/kg dry sample	EPA 8270	03/28/01	KTL	
Diethyl phthalate	<330	ug/kg dry sample	EPA 8270	03/28/01	KTL	
Dimethyl phthalate	<330	ug/kg dry sample	EPA 8270	03/28/01	KTL	
Fluoranthene	<330	ug/kg dry sample	EPA 8270	03/28/01	KTL	
Fluorene	<330	ug/kg dry sample	EPA 8270	03/28/01	KTL	
Hexachlorobenzene	<330	ug/kg dry sample	EPA 8270	03/28/01	KTL	
Hexachlorobutadiene	<330	ug/kg dry sample	EPA 8270	03/28/01	KTL	
Hexachlorocyclopentadiene	<330	ug/kg dry sample	EPA 8270	03/28/01	KTL	
Hexachloroethane	<330	ug/kg dry sample	EPA 8270	03/28/01	KTL	
Indeno(123cd)pyrene	<330	ug/kg dry sample	EPA 8270	03/28/01	KTL	
Isophorone	<330	ug/kg dry sample	EPA 8270	03/28/01	KTL	
N-Nitrosodi-n-propylamine	<330	ug/kg dry sample	EPA 8270	03/28/01	KTL	
N-Nitrosodimethylamine	<330	ug/kg dry sample	EPA 8270	03/28/01	KTL	
N-Nitrosodiphenylamine	<330	ug/kg dry sample	EPA 8270	03/28/01	KTL	
Naphthalene by Method 8270	<330	ug/kg dry sample	EPA 8270	03/28/01	KTL	
Nitrobenzene	<330	ug/kg dry sample	EPA 8270	03/28/01	KTL	
Pentachlorophenol	<800	ug/kg dry sample	EPA 8270	03/28/01	KTL	
Phenanthrene	<330	ug/kg dry sample	EPA 8270	03/28/01	KTL	
Phenol	<330	ug/kg dry sample	EPA 8270	03/28/01	KTL	
Pyrene	840	ug/kg dry sample	EPA 8270	03/28/01	KTL	

LABORATORY DETAIL REPORT

KAR Project No. : ***011317***

Client: ***Strebor Inc.***

Date Reported : ***03/29/01***

Project Desc. : ***Analysis of three soil samples.***

Sample ID : ***"PE-3"***
Sampled By : ***ES of Bay West, Inc.***
Sample Date : ***3/15/01***
Sample Time : ***0950***

Date Received : ***3/15/01***
Sample Type : ***soil***
KAR Sample No. : ***011317-03***

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Prep, Hg	Completed		EPA 7471A	03/21/01	MJB	
Prep, metals	Completed		EPA 3050	03/20/01	MJB	
Arsenic, total, low level	6.4	mg/kg dry sample	EPA 6020	03/22/01	DBL	
Barium, total, low level	84	mg/kg dry sample	EPA 6010B	03/22/01	PML	
Cadmium, total, low level	0.34	mg/kg dry sample	EPA 6020	03/22/01	DBL	
Chromium, total, low level	9.4	mg/kg dry sample	EPA 6010B	03/22/01	PML	
Lead, total	88	mg/kg dry sample	EPA 6010B	03/22/01	PML	
Mercury, total, low level	0.39	mg/kg dry sample	EPA 7471A	03/22/01	DBL	
Selenium, total, low level	1.3	mg/kg dry sample	EPA 6020	03/22/01	DBL	
Silver, total	<0.5	mg/kg dry sample	EPA 6010B	03/22/01	PML	
Dry weight solids	86.98	% by weight	SM(18) 2540B mod	03/16/01	BLF	
EPA 8260 Plus	See below		EPA 8260	03/20/01	DLB	
Prep, VOA	Completed		EPA 5035	03/20/01	DLB	Sample was field-preserved at time of collection.
1,1,1,2-Tetrachloroethane	<100	ug/kg dry sample	EPA 8260	03/20/01	DLB	
1,1,1-Trichloroethane	<50	ug/kg dry sample	EPA 8260	03/20/01	DLB	
1,1,2,2-Tetrachloroethane	<100	ug/kg dry sample	EPA 8260	03/20/01	DLB	
1,1,2-Trichloroethane	<50	ug/kg dry sample	EPA 8260	03/20/01	DLB	
1,1-Dichloroethane	<50	ug/kg dry sample	EPA 8260	03/20/01	DLB	
1,1-Dichloroethene	<50	ug/kg dry sample	EPA 8260	03/20/01	DLB	
1,2,3-Trichloropropane	<100	ug/kg dry sample	EPA 8260	03/20/01	DLB	
1,2,4-Trichlorobenzene	<250	ug/kg dry sample	EPA 8260	03/20/01	DLB	
1,2,4-Trimethylbenzene	<100	ug/kg dry sample	EPA 8260	03/20/01	DLB	
1,2-Dibromo-3-chloropropane	<250	ug/kg dry sample	EPA 8260	03/20/01	DLB	
1,2-Dichlorobenzene	<100	ug/kg dry sample	EPA 8260	03/20/01	DLB	
1,2-Dichloroethane	<50	ug/kg dry sample	EPA 8260	03/20/01	DLB	
1,2-Dichloropropane	<50	ug/kg dry sample	EPA 8260	03/20/01	DLB	
1,3,5-Trimethylbenzene	<100	ug/kg dry sample	EPA 8260	03/20/01	DLB	
1,3-Dichlorobenzene	<100	ug/kg dry sample	EPA 8260	03/20/01	DLB	
1,4-Dichlorobenzene	<100	ug/kg dry sample	EPA 8260	03/20/01	DLB	
2-Butanone	<250	ug/kg dry sample	EPA 8260	03/20/01	DLB	
2-Hexanone	<2500	ug/kg dry sample	EPA 8260	03/20/01	DLB	
2-Methylnaphthalene by 8260	<250	ug/kg dry sample	EPA 8260	03/20/01	DLB	
4-Methyl-2-pentanone	<2500	ug/kg dry sample	EPA 8260	03/20/01	DLB	
Acetone	<750	ug/kg dry sample	EPA 8260	03/20/01	DLB	
Acrylonitrile	<2500	ug/kg dry sample	EPA 8260	03/20/01	DLB	
Benzene	<50	ug/kg dry sample	EPA 8260	03/20/01	DLB	
Bromochloromethane	<100	ug/kg dry sample	EPA 8260	03/20/01	DLB	
Bromodichloromethane	<100	ug/kg dry sample	EPA 8260	03/20/01	DLB	
Bromoform	<100	ug/kg dry sample	EPA 8260	03/20/01	DLB	
Bromomethane	<250	ug/kg dry sample	EPA 8260	03/20/01	DLB	
Carbon disulfide	<250	ug/kg dry sample	EPA 8260	03/20/01	DLB	
Carbon tetrachloride	<50	ug/kg dry sample	EPA 8260	03/20/01	DLB	
Chlorobenzene	<50	ug/kg dry sample	EPA 8260	03/20/01	DLB	
Chloroethane	<250	ug/kg dry sample	EPA 8260	03/20/01	DLB	

LABORATORY DETAIL REPORT

KAR Project No. : *011317*

Client: *Strebor Inc.*

Date Reported : *03/29/01*

Project Desc. : *Analysis of three soil samples.*

Sample ID : *"PE-3"*
Sampled By : *ES of Bay West, Inc.*
Sample Date : *3/15/01*
Sample Time : *0950*

Date Received : *3/15/01*
Sample Type : *soil*
KAR Sample No. : *011317-03*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Chloroform	<50	ug/kg dry sample	EPA 8260	03/20/01	DLB	
Chloromethane	<250	ug/kg dry sample	EPA 8260	03/20/01	DLB	
Cis-1,2-Dichloroethene	<50	ug/kg dry sample	EPA 8260	03/20/01	DLB	
Cis-1,3-Dichloropropene	<50	ug/kg dry sample	EPA 8260	03/20/01	DLB	
Dibromochloromethane	<100	ug/kg dry sample	EPA 8260	03/20/01	DLB	
Dibromomethane	<250	ug/kg dry sample	EPA 8260	03/20/01	DLB	
Dichlorodifluoromethane	<100	ug/kg dry sample	EPA 8260	03/20/01	DLB	
Diethyl ether	<2500	ug/kg dry sample	EPA 8260	03/20/01	DLB	
Ethylbenzene	<50	ug/kg dry sample	EPA 8260	03/20/01	DLB	
Ethylene dibromide	<250	ug/kg dry sample	EPA 8260	03/20/01	DLB	
Hexachloroethane by 8260	<250	ug/kg dry sample	EPA 8260	03/20/01	DLB	
Isopropylbenzene	<100	ug/kg dry sample	EPA 8260	03/20/01	DLB	
M-and/or p-xylene	<100	ug/kg dry sample	EPA 8260	03/20/01	DLB	
Methyl iodide	<100	ug/kg dry sample	EPA 8260	03/20/01	DLB	
Methyl t-butyl ether (MTBE)	<250	ug/kg dry sample	EPA 8260	03/20/01	DLB	
Methylene chloride	<250	ug/kg dry sample	EPA 8260	03/20/01	DLB	
N-Propylbenzene	<100	ug/kg dry sample	EPA 8260	03/20/01	DLB	
Naphthalene	<250	ug/kg dry sample	EPA 8260	03/20/01	DLB	
O-Xylene	<50	ug/kg dry sample	EPA 8260	03/20/01	DLB	
Styrene	<50	ug/kg dry sample	EPA 8260	03/20/01	DLB	
Tetrachloroethene	<50	ug/kg dry sample	EPA 8260	03/20/01	DLB	
Toluene	<100	ug/kg dry sample	EPA 8260	03/20/01	DLB	
Trans-1,2-Dichloroethene	<50	ug/kg dry sample	EPA 8260	03/20/01	DLB	
Trans-1,3-Dichloropropene	<50	ug/kg dry sample	EPA 8260	03/20/01	DLB	
Trans-1,4-Dichloro-2-butene	<100	ug/kg dry sample	EPA 8260	03/20/01	DLB	
Trichloroethene	<50	ug/kg dry sample	EPA 8260	03/20/01	DLB	
Trichlorofluoromethane	<100	ug/kg dry sample	EPA 8260	03/20/01	DLB	
Vinyl chloride	<100	ug/kg dry sample	EPA 8260	03/20/01	DLB	
Prior. Poll. acids	See below		EPA 8270	03/28/01	KTL	
Prior. Poll. base-neutrals	See below		EPA 8270	03/28/01	KTL	
Prep, SV Acid/BN	Completed		EPA 3545	03/23/01	SAS	
1,2,4-Trichlorobenzene 8270	<330	ug/kg dry sample	EPA 8270	03/28/01	KTL	
1,2-Dichlorobenzene by 8270	<330	ug/kg dry sample	EPA 8270	03/28/01	KTL	
1,2-Diphenylhydrazine	<330	ug/kg dry sample	EPA 8270	03/28/01	KTL	
1,3-Dichlorobenzene by 8270	<330	ug/kg dry sample	EPA 8270	03/28/01	KTL	
1,4-Dichlorobenzene by 8270	<330	ug/kg dry sample	EPA 8270	03/28/01	KTL	
2,3,7,8-TCDD by 8270	<330	ug/kg dry sample	EPA 8270	03/28/01	KTL	
2,4,6-Trichlorophenol	<330	ug/kg dry sample	EPA 8270	03/28/01	KTL	
2,4-Dichlorophenol	<330	ug/kg dry sample	EPA 8270	03/28/01	KTL	
2,4-Dimethylphenol	<330	ug/kg dry sample	EPA 8270	03/28/01	KTL	
2,4-Dinitrophenol	<660	ug/kg dry sample	EPA 8270	03/28/01	KTL	
2,4-Dinitrotoluene	<330	ug/kg dry sample	EPA 8270	03/28/01	KTL	
2,6-Dinitrotoluene	<330	ug/kg dry sample	EPA 8270	03/28/01	KTL	
2-Chloronaphthalene	<330	ug/kg dry sample	EPA 8270	03/28/01	KTL	
2-Chlorophenol	<330	ug/kg dry sample	EPA 8270	03/28/01	KTL	

LABORATORY DETAIL REPORT

KAR Project No. : *011317*

Client: *Strebor Inc.*

Date Reported : *03/29/01*

Project Desc. : *Analysis of three soil samples.*

Sample ID : *"PE-3"*

Sampled By : *ES of Bay West, Inc.*

Sample Date : *3/15/01*

Sample Time : *0950*

Date Received : *3/15/01*

Sample Type : *soil*

KAR Sample No. : *011317-03*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
2-Methyl-4,6-dinitrophenol	<660	ug/kg dry sample	EPA 8270	03/28/01	KTL	
2-Nitrophenol	<330	ug/kg dry sample	EPA 8270	03/28/01	KTL	
3,3'-Dichlorobenzidine	<660	ug/kg dry sample	EPA 8270	03/28/01	KTL	
4-Bromophenyl phenyl ether	<330	ug/kg dry sample	EPA 8270	03/28/01	KTL	
4-Chloro-3-methylphenol	<330	ug/kg dry sample	EPA 8270	03/28/01	KTL	
4-Chlorophenyl phenyl ether	<330	ug/kg dry sample	EPA 8270	03/28/01	KTL	
4-Nitrophenol	<660	ug/kg dry sample	EPA 8270	03/28/01	KTL	
Acenaphthene	<330	ug/kg dry sample	EPA 8270	03/28/01	KTL	
Acenaphthylene	<330	ug/kg dry sample	EPA 8270	03/28/01	KTL	
Anthracene	<330	ug/kg dry sample	EPA 8270	03/28/01	KTL	
Benzidine	<1650	ug/kg dry sample	EPA 8270	03/28/01	KTL	
Benzo(a)anthracene	<330	ug/kg dry sample	EPA 8270	03/28/01	KTL	
Benzo(a)pyrene	390	ug/kg dry sample	EPA 8270	03/28/01	KTL	
Benzo(b)fluoranthene	<330	ug/kg dry sample	EPA 8270	03/28/01	KTL	
Benzo(ghi)perylene	<330	ug/kg dry sample	EPA 8270	03/28/01	KTL	
Benzo(k)fluoranthene	<330	ug/kg dry sample	EPA 8270	03/28/01	KTL	
Bis(2-chloroethoxy)methane	<330	ug/kg dry sample	EPA 8270	03/28/01	KTL	
Bis(2-chloroethyl)ether	<330	ug/kg dry sample	EPA 8270	03/28/01	KTL	
Bis(2-chloroisopropyl)ether	<330	ug/kg dry sample	EPA 8270	03/28/01	KTL	
Bis(2-ethylhexyl)phthalate	3300	ug/kg dry sample	EPA 8270	03/28/01	KTL	
Butylbenzyl phthalate	<330	ug/kg dry sample	EPA 8270	03/28/01	KTL	
Chrysene	<330	ug/kg dry sample	EPA 8270	03/28/01	KTL	
Di-N-butylphthalate	<330	ug/kg dry sample	EPA 8270	03/28/01	KTL	
Di-n-Octyl phthalate	<330	ug/kg dry sample	EPA 8270	03/28/01	KTL	
Dibenzo(ah)anthracene	<330	ug/kg dry sample	EPA 8270	03/28/01	KTL	
Diethyl phthalate	<330	ug/kg dry sample	EPA 8270	03/28/01	KTL	
Dimethyl phthalate	<330	ug/kg dry sample	EPA 8270	03/28/01	KTL	
Fluoranthene	<330	ug/kg dry sample	EPA 8270	03/28/01	KTL	
Fluorene	<330	ug/kg dry sample	EPA 8270	03/28/01	KTL	
Hexachlorobenzene	<330	ug/kg dry sample	EPA 8270	03/28/01	KTL	
Hexachlorobutadiene	<330	ug/kg dry sample	EPA 8270	03/28/01	KTL	
Hexachlorocyclopentadiene	<330	ug/kg dry sample	EPA 8270	03/28/01	KTL	
Hexachloroethane	<330	ug/kg dry sample	EPA 8270	03/28/01	KTL	
Indeno(123cd)pyrene	<330	ug/kg dry sample	EPA 8270	03/28/01	KTL	
Isophorone	<330	ug/kg dry sample	EPA 8270	03/28/01	KTL	
N-Nitrosodi-n-propylamine	<330	ug/kg dry sample	EPA 8270	03/28/01	KTL	
N-Nitrosodimethylamine	<330	ug/kg dry sample	EPA 8270	03/28/01	KTL	
N-Nitrosodiphenylamine	<330	ug/kg dry sample	EPA 8270	03/28/01	KTL	
Naphthalene by Method 8270	<330	ug/kg dry sample	EPA 8270	03/28/01	KTL	
Nitrobenzene	<330	ug/kg dry sample	EPA 8270	03/28/01	KTL	
Pentachlorophenol	<800	ug/kg dry sample	EPA 8270	03/28/01	KTL	
Phenanthrene	<330	ug/kg dry sample	EPA 8270	03/28/01	KTL	
Phenol	<330	ug/kg dry sample	EPA 8270	03/28/01	KTL	
Pyrene	520	ug/kg dry sample	EPA 8270	03/28/01	KTL	

CHAIN - OF - CUSTODY RECORD

Strebor Inc.

LAB: KAR Laboratories
PROJECT NUMBER | PROJECT MANAGER

SEND RESULTS TO: Mike McClish
TURNAROUND REQUEST: Standard
SAMPLE RETENTION: RETURN | DISPOSE

CHAIN-OF-CUSTODY NO. SI - 891

ITEM NO.	SAMPLE ID NUMBER	SAMPLE DATE / SAMPLE TIME	MATRIX	NUMBER AND TYPE OF CONTAINER	ANALYSIS CODE	Grab (G) Composite (C)	DESCRIPTION/COMMENTS
1	PE-1	03/14/01 14:15	Soil	2 x 145ml 1 x 40ml 1 x bag	16, 17 18, 19	G	
2	PE-2	03/15/01 09:20	Soil	↓	16, 17 18, 19	G	
3	PE-3	03/15/01 09:50	Soil	↓	16, 17 18, 19	G	
4							
5							
6							
7							
8							

ANALYSIS CODES
- Cross out any unwanted parameter.
- List any extra parameters in section below.

01 VOC's EPA 601/602 (includes Xylenes)
02 Phenols EPA 625
03 Pentachlorophenol EPA 625
04 Total Suspended Solids EPA 160.2
05 PAH EPA 625
06 Phthalate Esters EPA 625
07 pH EPA 150.1
08 TPH EPA 8015 Modified
09 Cr, Cu, Ni, Zn EPA 200.7
10 Cd. EPA 213.2
11 Pb EPA 239.2
12 Hg EPA 245.2
13 CN (total) EPA 335.2
14 PCBs EPA 608
15 PCDDs/PCDFs EPA 1613
16 VOCs - Method 8260+
17 SVOCs - Method 8270
18 RCRA Metals - Method 6020
19 Mercury - Method 7471
20 ~~Dioxin~~ &
21
22
23
24
25

SAMPLER: Erika Schlicht
AFFILIATION: Bay West, Inc.
DATE: 3/15/01
TIME:

TRANS NO.	ITEM NO.	RELINQUISHED BY	ACCEPTED BY	DATE	TIME
1	1-3	Erika Schlicht	[signature]	3/15/01	10:15
2	1-3	[signature]	[signature]	3/15/01	10:30
3					
4					
5					

PRESERVATION:
All samples must be preserved at 4°C (39°F), unless specified otherwise.

Cd, Cr, Cu, Pb, Ni, Zn pH<2 with HNO3
Cn pH>12 with NaOH

Matrix:
W = Water
L = Liquid Sample
S = Solid Sample
SD = Solids Sample
SL = Sludge Sample
O = Other (specify_____)

WHITE - CLIENT FILE COPY YELLOW - LABORATORY FILE COPY PINK - BAY WEST FILE COPY GOLDENROD - STREBOR INC. FILE COPY

part 20/

KAR Laboratories, Inc.

4425 Manchester Road
Kalamazoo, MI 49001
Phone 616 381-9666
Fax 616 381-9698
www.karlabs.com

Strebor Inc.
2305 Superior Avenue
Kalamazoo, MI 49001

KAR Project No. : ***011429***
Date Reported : ***04/06/01***
Date Activated : ***03/21/01***
Date Due : ***04/06/01***
Date Validated : ***04/06/01***

Attn : ***Mr. Mike McClish***

Project
Description : ***Analysis of six soil samples.***

Dear Client,

Your laboratory data is presented to you in this report. Unless otherwise stated under the "Comments" heading, all tests were performed within the maximum allowable holding times, have met or exceeded QC requirements and the result represents the sample as it was received.

If you wish to contact us about this work please mention KAR Project No. 011429. To arrange additional sampling or testing please contact our Client Services Department. If you have a question regarding quality assurance please contact William Rauch.

Thank you for the opportunity to serve you. Please do not hesitate to call if we can provide additional assistance.

Respectfully submitted,

Michael J. Jaeger
Director of Laboratories

POSITIVE RESULTS SUMMARY REPORT

Client: *Strebor Inc.*

KAR Project No.: *011429*

Date Reported: *4/6/2001*

Project Description: *Analysis of six soil samples.*

Sample Description: ***"PE-5"***

Test	Positive Result Concentration	Units
Arsenic, total, low level	49.6	mg/kg dry sample
Barium, total, low level	121	mg/kg dry sample
Cadmium, total, low level	0.53	mg/kg dry sample
Chromium, total, low level	12.5	mg/kg dry sample
Lead, total	26	mg/kg dry sample
Mercury, total, low level	2.3	mg/kg dry sample
Selenium, total, low level	1.4	mg/kg dry sample

Sample Description: ***"PE-6"***

Test	Positive Result Concentration	Units
Arsenic, total, low level	26.3	mg/kg dry sample
Barium, total, low level	150	mg/kg dry sample
Bis(2-ethylhexyl)phthalate	860	ug/kg dry sample
Cadmium, total, low level	0.89	mg/kg dry sample
Chromium, total, low level	10.0	mg/kg dry sample
Lead, total	207	mg/kg dry sample
Mercury, total, low level	0.3	mg/kg dry sample
Selenium, total, low level	1.3	mg/kg dry sample

Sample Description: ***"PE-7"***

Test	Positive Result Concentration	Units
Arsenic, total, low level	4.8	mg/kg dry sample
Barium, total, low level	143	mg/kg dry sample
Bis(2-ethylhexyl)phthalate	3500	ug/kg dry sample
Cadmium, total, low level	0.36	mg/kg dry sample
Chromium, total, low level	12.3	mg/kg dry sample
Lead, total	104	mg/kg dry sample
Mercury, total, low level	0.4	mg/kg dry sample
Pentachlorophenol	1800	ug/kg dry sample

Sample Description: ***"PE-8"***

Test	Positive Result Concentration	Units
Arsenic, total, low level	6.5	mg/kg dry sample
Barium, total, low level	238	mg/kg dry sample
Bis(2-ethylhexyl)phthalate	2900	ug/kg dry sample
Cadmium, total, low level	0.55	mg/kg dry sample
Chromium, total, low level	16.0	mg/kg dry sample
Lead, total	163	mg/kg dry sample
Mercury, total, low level	0.6	mg/kg dry sample

This Positive Results Summary Report provides an overview of the sample set and CONTAINS ONLY RESULTS ABOVE THE REPORTING LIMIT. It should not be used as a substitute for the attached detail report.

POSITIVE RESULTS SUMMARY REPORT

Client: *Strebor Inc.*

KAR Project No.: *011429*

Date Reported: *4/6/2001*

Project Description: *Analysis of six soil samples.*

Sample Description: ***"DUP-1"***

Test	Positive Result Concentration	Units
Arsenic, total, low level	6.1	mg/kg dry sample
Barium, total, low level	180	mg/kg dry sample
Bis(2-ethylhexyl)phthalate	2600	ug/kg dry sample
Cadmium, total, low level	0.50	mg/kg dry sample
Chromium, total, low level	18.5	mg/kg dry sample
Lead, total	130	mg/kg dry sample
Mercury, total, low level	1.8	mg/kg dry sample

Sample Description: ***"PE-9"***

Test	Positive Result Concentration	Units
1,2,4-Trimethylbenzene	550,000	ug/kg dry sample
1,3,5-Trimethylbenzene	180,000	ug/kg dry sample
Arsenic, total, low level	1.8	mg/kg dry sample
Barium, total, low level	37	mg/kg dry sample
Bis(2-ethylhexyl)phthalate	160,000	ug/kg dry sample
Cadmium, total, low level	0.06	mg/kg dry sample
Chromium, total, low level	8.3	mg/kg dry sample
Ethylbenzene	16,000	ug/kg dry sample
Isopropylbenzene	36,000	ug/kg dry sample
Lead, total	12	mg/kg dry sample
M-and/or p-xylene	66,000	ug/kg dry sample
Mercury, total, low level	0.2	mg/kg dry sample
N-Propylbenzene	100,000	ug/kg dry sample
Naphthalene by Method 8270	19,000	ug/kg dry sample
O-Xylene	86,000	ug/kg dry sample
Pentachlorophenol	200,000	ug/kg dry sample
Phenanthrene	1200	ug/kg dry sample

This Positive Results Summary Report provides an overview of the sample set and CONTAINS ONLY RESULTS ABOVE THE REPORTING LIMIT. It should not be used as a substitute for the attached detail report.

LABORATORY DETAIL REPORT

Client: *Strebor Inc.*

KAR Project No. : *011429*
Date Reported : *04/06/01*

Project
Desc. : *Analysis of six soil samples.*

Sample ID : *"PE-5"*
Sampled By : *ES of Bay West, Inc.*
Sample Date : *3/20/2001*
Sample Time : *0855*

Date Received : *3/21/2001*
Sample Type : *soil*
KAR Sample No. : *011429-01*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Prep, Hg	Completed		EPA 7471A	03/22/01	MJB	
Prep, metals	Completed		EPA 3050	03/29/01	MJB	
Arsenic, total, low level	49.6	mg/kg dry sample	EPA 6020	04/05/01	DBL	
Barium, total, low level	121	mg/kg dry sample	EPA 6010B	03/30/01	PML	
Cadmium, total, low level	0.53	mg/kg dry sample	EPA 6020	04/05/01	DBL	
Chromium, total, low level	12.5	mg/kg dry sample	EPA 6010B	03/30/01	PML	
Lead, total	26	mg/kg dry sample	EPA 6010B	03/30/01	PML	
Mercury, total, low level	2.3	mg/kg dry sample	EPA 7471A	03/23/01	DBL	
Selenium, total, low level	1.4	mg/kg dry sample	EPA 6020	04/05/01	DBL	
Silver, total	<0.5	mg/kg dry sample	EPA 6010B	03/30/01	PML	
Dry weight solids	80.23	% by weight	SM(18) 2540B mod	03/27/01	BLF	
EPA 8260 Plus	See below		EPA 8260	03/28/01	DLB	
Prep, VOA	Completed		EPA 5035	03/28/01	DLB	Sample was field-preserved at time of collection
1,1,1,2-Tetrachloroethane	<100	ug/kg dry sample	EPA 8260	03/28/01	DLB	
1,1,1-Trichloroethane	<50	ug/kg dry sample	EPA 8260	03/28/01	DLB	
1,1,2,2-Tetrachloroethane	<100	ug/kg dry sample	EPA 8260	03/28/01	DLB	
1,1,2-Trichloroethane	<50	ug/kg dry sample	EPA 8260	03/28/01	DLB	
1,1-Dichloroethane	<50	ug/kg dry sample	EPA 8260	03/28/01	DLB	
1,1-Dichloroethene	<50	ug/kg dry sample	EPA 8260	03/28/01	DLB	
1,2,3-Trichloropropane	<100	ug/kg dry sample	EPA 8260	03/28/01	DLB	
1,2,4-Trichlorobenzene	<250	ug/kg dry sample	EPA 8260	03/28/01	DLB	
1,2,4-Trimethylbenzene	<100	ug/kg dry sample	EPA 8260	03/28/01	DLB	
1,2-Dibromo-3-chloropropane	<250	ug/kg dry sample	EPA 8260	03/28/01	DLB	
1,2-Dichlorobenzene	<100	ug/kg dry sample	EPA 8260	03/28/01	DLB	
1,2-Dichloroethane	<50	ug/kg dry sample	EPA 8260	03/28/01	DLB	
1,2-Dichloropropane	<50	ug/kg dry sample	EPA 8260	03/28/01	DLB	
1,3,5-Trimethylbenzene	<100	ug/kg dry sample	EPA 8260	03/28/01	DLB	
1,3-Dichlorobenzene	<100	ug/kg dry sample	EPA 8260	03/28/01	DLB	
1,4-Dichlorobenzene	<100	ug/kg dry sample	EPA 8260	03/28/01	DLB	
2-Butanone	<250	ug/kg dry sample	EPA 8260	03/28/01	DLB	
2-Hexanone	<2500	ug/kg dry sample	EPA 8260	03/28/01	DLB	
2-Methylnaphthalene by 8260	<250	ug/kg dry sample	EPA 8260	03/28/01	DLB	
4-Methyl-2-pentanone	<2500	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Acetone	<750	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Acrylonitrile	<2500	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Benzene	<50	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Bromochloromethane	<100	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Bromodichloromethane	<100	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Bromoform	<100	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Bromomethane	<250	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Carbon disulfide	<250	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Carbon tetrachloride	<50	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Chlorobenzene	<50	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Chloroethane	<250	ug/kg dry sample	EPA 8260	03/28/01	DLB	

LABORATORY DETAIL REPORT

Client: *Strebor Inc.*

KAR Project No. : *011429*
Date Reported : *04/06/01*

Project
Desc. : *Analysis of six soil samples.*

Sample ID : *"PE-5"*
Sampled By : *ES of Bay West, Inc.*
Sample Date : *3/20/2001*
Sample Time : *0855*

Date Received : *3/21/2001*
Sample Type : *soil*
KAR Sample No. : *011429-01*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Chloroform	<50	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Chloromethane	<250	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Cis-1,2-Dichloroethene	<50	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Cis-1,3-Dichloropropene	<50	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Dibromochloromethane	<100	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Dibromomethane	<250	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Dichlorodifluoromethane	<100	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Diethyl ether	<2500	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Ethylbenzene	<50	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Ethylene dibromide	<250	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Isopropylbenzene	<100	ug/kg dry sample	EPA 8260	03/28/01	DLB	
M-and/or p-xylene	<100	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Methyl iodide	<100	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Methyl t-butyl ether (MTBE)	<250	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Methylene chloride	<250	ug/kg dry sample	EPA 8260	03/28/01	DLB	
N-Propylbenzene	<100	ug/kg dry sample	EPA 8260	03/28/01	DLB	
O-Xylene	<50	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Styrene	<50	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Tetrachloroethene	<50	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Toluene	<100	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Trans-1,2-Dichloroethene	<50	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Trans-1,3-Dichloropropene	<50	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Trans-1,4-Dichloro-2-butene	<100	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Trichloroethene	<50	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Trichlorofluoromethane	<100	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Vinyl chloride	<100	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Prior. Poll. acids	See below		EPA 8270	04/03/01	KTL	
Prior. Poll. base-neutrals	See below		EPA 8270	04/03/01	KTL	
Prep, SV Acid/BN	Completed		EPA 3545	03/26/01	SAS	
1,2,4-Trichlorobenzene 8270	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
1,2-Dichlorobenzene by 8270	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
1,2-Diphenylhydrazine	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
1,3-Dichlorobenzene by 8270	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
1,4-Dichlorobenzene by 8270	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
2,3,7,8-TCDD by 8270	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
2,4,6-Trichlorophenol	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
2,4-Dichlorophenol	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
2,4-Dimethylphenol	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
2,4-Dinitrophenol	<660	ug/kg dry sample	EPA 8270	04/03/01	KTL	
2,4-Dinitrotoluene	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
2,6-Dinitrotoluene	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
2-Chloronaphthalene	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
2-Chlorophenol	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
2-Methyl-4,6-dinitrophenol	<660	ug/kg dry sample	EPA 8270	04/03/01	KTL	
2-Nitrophenol	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	

LABORATORY DETAIL REPORT

Client: *Strebor Inc.*

KAR Project No. : *011429*
Date Reported : *04/06/01*

Project
Desc. : *Analysis of six soil samples.*

Sample ID : *"PE-5"*
Sampled By : *ES of Bay West, Inc.*
Sample Date : *3/20/2001*
Sample Time : *0855*

Date Received : *3/21/2001*
Sample Type : *soil*
KAR Sample No. : *011429-01*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
3,3'-Dichlorobenzidine	<660	ug/kg dry sample	EPA 8270	04/03/01	KTL	
4-Bromophenyl phenyl ether	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
4-Chloro-3-methylphenol	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
4-Chlorophenyl phenyl ether	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
4-Nitrophenol	<660	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Acenaphthene	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Acenaphthylene	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Anthracene	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Benzidine	<1650	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Benzo(a)anthracene	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Benzo(a)pyrene	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Benzo(b)fluoranthene	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Benzo(ghi)perylene	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Benzo(k)fluoranthene	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Bis(2-chloroethoxy)methane	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Bis(2-chloroethyl)ether	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Bis(2-chloroisopropyl)ether	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Bis(2-ethylhexyl)phthalate	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Butylbenzyl phthalate	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Chrysene	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Di-N-butylphthalate	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Di-n-Octyl phthalate	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Dibenzo(ah)anthracene	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Diethyl phthalate	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Dimethyl phthalate	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Fluoranthene	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Fluorene	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Hexachlorobenzene	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Hexachlorobutadiene	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Hexachlorocyclopentadiene	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Hexachloroethane	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Indeno(123cd)pyrene	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Isophorone	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
N-Nitrosodi-n-propylamine	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
N-Nitrosodimethylamine	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
N-Nitrosodiphenylamine	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Naphthalene by Method 8270	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Nitrobenzene	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Pentachlorophenol	<800	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Phenanthrene	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Phenol	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Pyrene	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	

LABORATORY DETAIL REPORT

Client: *Strebor Inc.*

KAR Project No. : *011429*
Date Reported : *04/06/01*

Project
Desc. : *Analysis of six soil samples.*

Sample ID : *"PE-6"*
Sampled By : *ES of Bay West, Inc.*
Sample Date : *3/20/2001*
Sample Time : *0920*

Date Received : *3/21/2001*
Sample Type : *soil*
KAR Sample No. : *011429-02*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Prep, Hg	Completed		EPA 7471A	03/22/01	MJB	
Prep, metals	Completed		EPA 3050	03/29/01	MJB	
Arsenic, total, low level	26.3	mg/kg dry sample	EPA 6020	04/05/01	DBL	
Barium, total, low level	150	mg/kg dry sample	EPA 6010B	03/30/01	PML	
Cadmium, total, low level	0.89	mg/kg dry sample	EPA 6020	04/05/01	DBL	
Chromium, total, low level	10.0	mg/kg dry sample	EPA 6010B	03/30/01	PML	
Lead, total	207	mg/kg dry sample	EPA 6010B	03/30/01	PML	
Mercury, total, low level	0.3	mg/kg dry sample	EPA 7471A	03/23/01	DBL	
Selenium, total, low level	1.3	mg/kg dry sample	EPA 6020	04/05/01	DBL	
Silver, total	<0.5	mg/kg dry sample	EPA 6010B	03/30/01	PML	
Dry weight solids	81.14	% by weight	SM(18) 2540B mod	03/27/01	BLF	
EPA 8260 Plus	See below		EPA 8260	03/28/01	DLB	
Prep, VOA	Completed		EPA 5035	03/28/01	DLB	Sample was field-preserved at time of collection.
1,1,1,2-Tetrachloroethane	<100	ug/kg dry sample	EPA 8260	03/28/01	DLB	
1,1,1-Trichloroethane	<50	ug/kg dry sample	EPA 8260	03/28/01	DLB	
1,1,2,2-Tetrachloroethane	<100	ug/kg dry sample	EPA 8260	03/28/01	DLB	
1,1,2-Trichloroethane	<50	ug/kg dry sample	EPA 8260	03/28/01	DLB	
1,1-Dichloroethane	<50	ug/kg dry sample	EPA 8260	03/28/01	DLB	
1,1-Dichloroethene	<50	ug/kg dry sample	EPA 8260	03/28/01	DLB	
1,2,3-Trichloropropane	<100	ug/kg dry sample	EPA 8260	03/28/01	DLB	
1,2,4-Trichlorobenzene	<250	ug/kg dry sample	EPA 8260	03/28/01	DLB	
1,2,4-Trimethylbenzene	<100	ug/kg dry sample	EPA 8260	03/28/01	DLB	
1,2-Dibromo-3-chloropropane	<250	ug/kg dry sample	EPA 8260	03/28/01	DLB	
1,2-Dichlorobenzene	<100	ug/kg dry sample	EPA 8260	03/28/01	DLB	
1,2-Dichloroethane	<50	ug/kg dry sample	EPA 8260	03/28/01	DLB	
1,2-Dichloropropane	<50	ug/kg dry sample	EPA 8260	03/28/01	DLB	
1,3,5-Trimethylbenzene	<100	ug/kg dry sample	EPA 8260	03/28/01	DLB	
1,3-Dichlorobenzene	<100	ug/kg dry sample	EPA 8260	03/28/01	DLB	
1,4-Dichlorobenzene	<100	ug/kg dry sample	EPA 8260	03/28/01	DLB	
2-Butanone	<250	ug/kg dry sample	EPA 8260	03/28/01	DLB	
2-Hexanone	<2500	ug/kg dry sample	EPA 8260	03/28/01	DLB	
2-Methylnaphthalene by 8260	<250	ug/kg dry sample	EPA 8260	03/28/01	DLB	
4-Methyl-2-pentanone	<2500	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Acetone	<750	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Acrylonitrile	<2500	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Benzene	<50	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Bromochloromethane	<100	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Bromodichloromethane	<100	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Bromoform	<100	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Bromomethane	<250	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Carbon disulfide	<250	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Carbon tetrachloride	<50	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Chlorobenzene	<50	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Chloroethane	<250	ug/kg dry sample	EPA 8260	03/28/01	DLB	

LABORATORY DETAIL REPORT

Client: *Strebor Inc.*

KAR Project No. : *011429*
Date Reported : *04/06/01*

Project
Desc. : *Analysis of six soil samples.*

Sample ID : *"PE-6"*
Sampled By : *ES of Bay West, Inc.*
Sample Date : *3/20/2001*
Sample Time : *0920*

Date Received : *3/21/2001*
Sample Type : *soil*
KAR Sample No. : *011429-02*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Chloroform	<50	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Chloromethane	<250	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Cis-1,2-Dichloroethene	<50	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Cis-1,3-Dichloropropene	<50	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Dibromochloromethane	<100	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Dibromomethane	<250	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Dichlorodifluoromethane	<100	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Diethyl ether	<2500	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Ethylbenzene	<50	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Ethylene dibromide	<250	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Isopropylbenzene	<100	ug/kg dry sample	EPA 8260	03/28/01	DLB	
M-and/or p-xylene	<100	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Methyl iodide	<100	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Methyl t-butyl ether (MTBE)	<250	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Methylene chloride	<250	ug/kg dry sample	EPA 8260	03/28/01	DLB	
N-Propylbenzene	<100	ug/kg dry sample	EPA 8260	03/28/01	DLB	
O-Xylene	<50	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Styrene	<50	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Tetrachloroethene	<50	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Toluene	<100	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Trans-1,2-Dichloroethene	<50	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Trans-1,3-Dichloropropene	<50	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Trans-1,4-Dichloro-2-butene	<100	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Trichloroethene	<50	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Trichlorofluoromethane	<100	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Vinyl chloride	<100	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Prior. Poll. acids	See below		EPA 8270	04/03/01	KTL	
Prior. Poll. base-neutrals	See below		EPA 8270	04/03/01	KTL	
Prep, SV Acid/BN	Completed		EPA 3545	03/26/01	SAS	
1,2,4-Trichlorobenzene 8270	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
1,2-Dichlorobenzene by 8270	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
1,2-Diphenylhydrazine	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
1,3-Dichlorobenzene by 8270	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
1,4-Dichlorobenzene by 8270	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
2,3,7,8-TCDD by 8270	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
2,4,6-Trichlorophenol	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
2,4-Dichlorophenol	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
2,4-Dimethylphenol	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
2,4-Dinitrophenol	<660	ug/kg dry sample	EPA 8270	04/03/01	KTL	
2,4-Dinitrotoluene	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
2,6-Dinitrotoluene	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
2-Chloronaphthalene	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
2-Chlorophenol	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
2-Methyl-4,6-dinitrophenol	<660	ug/kg dry sample	EPA 8270	04/03/01	KTL	
2-Nitrophenol	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	

LABORATORY DETAIL REPORT

Client: *Strebor Inc.*

KAR Project No. : *011429*
Date Reported : *04/06/01*

Project
Desc. : *Analysis of six soil samples.*

Sample ID : *"PE-6"*
Sampled By : *ES of Bay West, Inc.*
Sample Date : *3/20/2001*
Sample Time : *0920*

Date Received : *3/21/2001*
Sample Type : *soil*
KAR Sample No. : *011429-02*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
3,3'-Dichlorobenzidine	<660	ug/kg dry sample	EPA 8270	04/03/01	KTL	
4-Bromophenyl phenyl ether	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
4-Chloro-3-methylphenol	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
4-Chlorophenyl phenyl ether	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
4-Nitrophenol	<660	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Acenaphthene	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Acenaphthylene	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Anthracene	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Benzidine	<1650	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Benzo(a)anthracene	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Benzo(a)pyrene	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Benzo(b)fluoranthene	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Benzo(ghi)perylene	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Benzo(k)fluoranthene	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Bis(2-chloroethoxy)methane	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Bis(2-chloroethyl)ether	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Bis(2-chloroisopropyl)ether	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Bis(2-ethylhexyl)phthalate	860	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Butylbenzyl phthalate	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Chrysene	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Di-N-butylphthalate	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Di-n-Octyl phthalate	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Dibenzo(ah)anthracene	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Diethyl phthalate	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Dimethyl phthalate	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Fluoranthene	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Fluorene	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Hexachlorobenzene	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Hexachlorobutadiene	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Hexachlorocyclopentadiene	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Hexachloroethane	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Indeno(123cd)pyrene	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Isophorone	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
N-Nitrosodi-n-propylamine	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
N-Nitrosodimethylamine	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
N-Nitrosodiphenylamine	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Naphthalene by Method 8270	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Nitrobenzene	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Pentachlorophenol	<800	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Phenanthrene	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Phenol	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Pyrene	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	

LABORATORY DETAIL REPORT

Client: *Strebor Inc.*

KAR Project No. : *011429*
Date Reported : *04/06/01*

Project
Desc. : *Analysis of six soil samples.*

Sample ID : *"PE-7"*
Sampled By : *ES of Bay West, Inc.*
Sample Date : *3/20/2001*
Sample Time : *0955*

Date Received : *3/21/2001*
Sample Type : *soil*
KAR Sample No. : *011429-03*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Prep, Hg	Completed		EPA 7471A	03/22/01	MJB	
Prep, metals	Completed		EPA 3050	03/29/01	MJB	
Arsenic, total, low level	4.8	mg/kg dry sample	EPA 6020	04/05/01	DBL	
Barium, total, low level	143	mg/kg dry sample	EPA 6010B	03/30/01	PML	
Cadmium, total, low level	0.36	mg/kg dry sample	EPA 6020	04/05/01	DBL	
Chromium, total, low level	12.3	mg/kg dry sample	EPA 6010B	03/30/01	PML	
Lead, total	104	mg/kg dry sample	EPA 6010B	03/30/01	PML	
Mercury, total, low level	0.4	mg/kg dry sample	EPA 7471A	03/23/01	DBL	
Selenium, total, low level	<1.2	mg/kg dry sample	EPA 6020	04/05/01	DBL	Elevated detection limit due to sample matrix interference
Silver, total	<0.5	mg/kg dry sample	EPA 6010B	03/30/01	PML	
Dry weight solids	83.77	% by weight	SM(18) 2540B mod	03/27/01	BLF	
EPA 8260 Plus	See below		EPA 8260	03/28/01	DLB	
Prep, VOA	Completed		EPA 5035	03/28/01	DLB	Sample was field-preserved at time of collection
1,1,1,2-Tetrachloroethane	<100	ug/kg dry sample	EPA 8260	03/28/01	DLB	
1,1,1-Trichloroethane	<50	ug/kg dry sample	EPA 8260	03/28/01	DLB	
1,1,2,2-Tetrachloroethane	<100	ug/kg dry sample	EPA 8260	03/28/01	DLB	
1,1,2-Trichloroethane	<50	ug/kg dry sample	EPA 8260	03/28/01	DLB	
1,1-Dichloroethane	<50	ug/kg dry sample	EPA 8260	03/28/01	DLB	
1,1-Dichloroethene	<50	ug/kg dry sample	EPA 8260	03/28/01	DLB	
1,2,3-Trichloropropane	<100	ug/kg dry sample	EPA 8260	03/28/01	DLB	
1,2,4-Trichlorobenzene	<250	ug/kg dry sample	EPA 8260	03/28/01	DLB	
1,2,4-Trimethylbenzene	<100	ug/kg dry sample	EPA 8260	03/28/01	DLB	
1,2-Dibromo-3-chloropropane	<250	ug/kg dry sample	EPA 8260	03/28/01	DLB	
1,2-Dichlorobenzene	<100	ug/kg dry sample	EPA 8260	03/28/01	DLB	
1,2-Dichloroethane	<50	ug/kg dry sample	EPA 8260	03/28/01	DLB	
1,2-Dichloropropane	<50	ug/kg dry sample	EPA 8260	03/28/01	DLB	
1,3,5-Trimethylbenzene	<100	ug/kg dry sample	EPA 8260	03/28/01	DLB	
1,3-Dichlorobenzene	<100	ug/kg dry sample	EPA 8260	03/28/01	DLB	
1,4-Dichlorobenzene	<100	ug/kg dry sample	EPA 8260	03/28/01	DLB	
2-Butanone	<250	ug/kg dry sample	EPA 8260	03/28/01	DLB	
2-Hexanone	<2500	ug/kg dry sample	EPA 8260	03/28/01	DLB	
2-Methylnaphthalene by 8260	<250	ug/kg dry sample	EPA 8260	03/28/01	DLB	
4-Methyl-2-pentanone	<2500	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Acetone	<750	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Acrylonitrile	<2500	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Benzene	<50	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Bromochloromethane	<100	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Bromodichloromethane	<100	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Bromoform	<100	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Bromomethane	<250	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Carbon disulfide	<250	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Carbon tetrachloride	<50	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Chlorobenzene	<50	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Chloroethane	<250	ug/kg dry sample	EPA 8260	03/28/01	DLB	

LABORATORY DETAIL REPORT

Client: *Strebor Inc.*

KAR Project No. : *011429*
Date Reported : *04/06/01*

Project
Desc. : *Analysis of six soil samples.*

Sample ID : *"PE-7"*
Sampled By : *ES of Bay West, Inc.*
Sample Date : *3/20/2001*
Sample Time : *0955*

Date Received : *3/21/2001*
Sample Type : *soil*
KAR Sample No. : *011429-03*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Chloroform	<50	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Chloromethane	<250	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Cis-1,2-Dichloroethene	<50	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Cis-1,3-Dichloropropene	<50	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Dibromochloromethane	<100	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Dibromomethane	<250	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Dichlorodifluoromethane	<100	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Diethyl ether	<2500	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Ethylbenzene	<50	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Ethylene dibromide	<250	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Isopropylbenzene	<100	ug/kg dry sample	EPA 8260	03/28/01	DLB	
M-and/or p-xylene	<100	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Methyl iodide	<100	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Methyl t-butyl ether (MTBE)	<250	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Methylene chloride	<250	ug/kg dry sample	EPA 8260	03/28/01	DLB	
N-Propylbenzene	<100	ug/kg dry sample	EPA 8260	03/28/01	DLB	
O-Xylene	<50	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Styrene	<50	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Tetrachloroethene	<50	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Toluene	<100	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Trans-1,2-Dichloroethene	<50	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Trans-1,3-Dichloropropene	<50	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Trans-1,4-Dichloro-2-butene	<100	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Trichloroethene	<50	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Trichlorofluoromethane	<100	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Vinyl chloride	<100	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Prior. Poll. acids	See below		EPA 8270	04/03/01	KTL	
Prior. Poll. base-neutrals	See below		EPA 8270	04/03/01	KTL	
Prep, SV Acid/BN	Completed		EPA 3545	03/26/01	SAS	
1,2,4-Trichlorobenzene 8270	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
1,2-Dichlorobenzene by 8270	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
1,2-Diphenylhydrazine	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
1,3-Dichlorobenzene by 8270	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
1,4-Dichlorobenzene by 8270	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
2,3,7,8-TCDD by 8270	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
2,4,6-Trichlorophenol	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
2,4-Dichlorophenol	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
2,4-Dimethylphenol	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
2,4-Dinitrophenol	<660	ug/kg dry sample	EPA 8270	04/03/01	KTL	
2,4-Dinitrotoluene	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
2,6-Dinitrotoluene	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
2-Chloronaphthalene	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
2-Chlorophenol	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
2-Methyl-4,6-dinitrophenol	<660	ug/kg dry sample	EPA 8270	04/03/01	KTL	
2-Nitrophenol	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	

LABORATORY DETAIL REPORT

Client: *Strebor Inc.*

KAR Project No. : *011429*
Date Reported : *04/06/01*

Project
Desc. : *Analysis of six soil samples.*

Sample ID : *"PE-7"*
Sampled By : *ES of Bay West, Inc.*
Sample Date : *3/20/2001*
Sample Time : *0955*

Date Received : *3/21/2001*
Sample Type : *soil*
KAR Sample No. : *011429-03*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
3,3'-Dichlorobenzidine	<660	ug/kg dry sample	EPA 8270	04/03/01	KTL	
4-Bromophenyl phenyl ether	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
4-Chloro-3-methylphenol	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
4-Chlorophenyl phenyl ether	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
4-Nitrophenol	<660	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Acenaphthene	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Acenaphthylene	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Anthracene	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Benzidine	<1650	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Benzo(a)anthracene	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Benzo(a)pyrene	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Benzo(b)fluoranthene	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Benzo(ghi)perylene	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Benzo(k)fluoranthene	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Bis(2-chloroethoxy)methane	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Bis(2-chloroethyl)ether	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Bis(2-chloroisopropyl)ether	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Bis(2-ethylhexyl)phthalate	3500	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Butylbenzyl phthalate	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Chrysene	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Di-N-butylphthalate	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Di-n-Octyl phthalate	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Dibenzo(ah)anthracene	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Diethyl phthalate	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Dimethyl phthalate	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Fluoranthene	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Fluorene	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Hexachlorobenzene	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Hexachlorobutadiene	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Hexachlorocyclopentadiene	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Hexachloroethane	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Indeno(123cd)pyrene	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Isophorone	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
N-Nitrosodi-n-propylamine	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
N-Nitrosodimethylamine	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
N-Nitrosodiphenylamine	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Naphthalene by Method 8270	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Nitrobenzene	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Pentachlorophenol	1800	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Phenanthrene	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Phenol	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Pyrene	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	

LABORATORY DETAIL REPORT

Client: *Strebor Inc.*

KAR Project No. : *011429*
Date Reported : *04/06/01*

Project
Desc. : *Analysis of six soil samples.*

Sample ID : *"PE-8"*
Sampled By : *ES of Bay West, Inc.*
Sample Date : *3/20/2001*
Sample Time : *1425*

Date Received : *3/21/2001*
Sample Type : *soil*
KAR Sample No. : *011429-04*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Prep, Hg	Completed		EPA 7471A	03/22/01	MJB	
Prep, metals	Completed		EPA 3050	03/29/01	MJB	
Arsenic, total, low level	6.5	mg/kg dry sample	EPA 6020	04/05/01	DBL	
Barium, total, low level	238	mg/kg dry sample	EPA 6010B	03/30/01	PML	
Cadmium, total, low level	0.55	mg/kg dry sample	EPA 6020	04/05/01	DBL	
Chromium, total, low level	16.0	mg/kg dry sample	EPA 6010B	03/30/01	PML	
Lead, total	163	mg/kg dry sample	EPA 6010B	03/30/01	PML	
Mercury, total, low level	0.6	mg/kg dry sample	EPA 7471A	03/23/01	DBL	
Selenium, total, low level	<1	mg/kg dry sample	EPA 6020	04/05/01	DBL	Elevated detection limit due to sample matrix interference
Silver, total	<0.5	mg/kg dry sample	EPA 6010B	03/30/01	PML	
Dry weight solids	76.16	% by weight	SM(18) 2540B mod	03/27/01	BLF	
EPA 8260 Plus	See below		EPA 8260	03/28/01	DLB	
Prep, VOA	Completed		EPA 5035	03/28/01	DLB	Sample was field-preserved at time of collection
1,1,1,2-Tetrachloroethane	<100	ug/kg dry sample	EPA 8260	03/28/01	DLB	
1,1,1-Trichloroethane	<50	ug/kg dry sample	EPA 8260	03/28/01	DLB	
1,1,2,2-Tetrachloroethane	<100	ug/kg dry sample	EPA 8260	03/28/01	DLB	
1,1,2-Trichloroethane	<50	ug/kg dry sample	EPA 8260	03/28/01	DLB	
1,1-Dichloroethane	<50	ug/kg dry sample	EPA 8260	03/28/01	DLB	
1,1-Dichloroethene	<50	ug/kg dry sample	EPA 8260	03/28/01	DLB	
1,2,3-Trichloropropane	<100	ug/kg dry sample	EPA 8260	03/28/01	DLB	
1,2,4-Trichlorobenzene	<250	ug/kg dry sample	EPA 8260	03/28/01	DLB	
1,2,4-Trimethylbenzene	<100	ug/kg dry sample	EPA 8260	03/28/01	DLB	
1,2-Dibromo-3-chloropropane	<250	ug/kg dry sample	EPA 8260	03/28/01	DLB	
1,2-Dichlorobenzene	<100	ug/kg dry sample	EPA 8260	03/28/01	DLB	
1,2-Dichloroethane	<50	ug/kg dry sample	EPA 8260	03/28/01	DLB	
1,2-Dichloropropane	<50	ug/kg dry sample	EPA 8260	03/28/01	DLB	
1,3,5-Trimethylbenzene	<100	ug/kg dry sample	EPA 8260	03/28/01	DLB	
1,3-Dichlorobenzene	<100	ug/kg dry sample	EPA 8260	03/28/01	DLB	
1,4-Dichlorobenzene	<100	ug/kg dry sample	EPA 8260	03/28/01	DLB	
2-Butanone	<250	ug/kg dry sample	EPA 8260	03/28/01	DLB	
2-Hexanone	<2500	ug/kg dry sample	EPA 8260	03/28/01	DLB	
2-Methylnaphthalene by 8260	<250	ug/kg dry sample	EPA 8260	03/28/01	DLB	
4-Methyl-2-pentanone	<2500	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Acetone	<750	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Acrylonitrile	<2500	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Benzene	<50	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Bromochloromethane	<100	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Bromodichloromethane	<100	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Bromoform	<100	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Bromomethane	<250	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Carbon disulfide	<250	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Carbon tetrachloride	<50	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Chlorobenzene	<50	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Chloroethane	<250	ug/kg dry sample	EPA 8260	03/28/01	DLB	

LABORATORY DETAIL REPORT

Client: *Strebor Inc.*

KAR Project No. : *011429*
Date Reported : *04/06/01*

Project
Desc. : *Analysis of six soil samples.*

Sample ID : *"PE-8"*
Sampled By : *ES of Bay West, Inc.*
Sample Date : *3/20/2001*
Sample Time : *1425*

Date Received : *3/21/2001*
Sample Type : *soil*
KAR Sample No. : *011429-04*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Chloroform	<50	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Chloromethane	<250	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Cis-1,2-Dichloroethene	<50	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Cis-1,3-Dichloropropene	<50	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Dibromochloromethane	<100	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Dibromomethane	<250	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Dichlorodifluoromethane	<100	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Diethyl ether	<2500	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Ethylbenzene	<50	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Ethylene dibromide	<250	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Isopropylbenzene	<100	ug/kg dry sample	EPA 8260	03/28/01	DLB	
M-and/or p-xylene	<100	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Methyl iodide	<100	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Methyl t-butyl ether (MTBE)	<250	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Methylene chloride	<250	ug/kg dry sample	EPA 8260	03/28/01	DLB	
N-Propylbenzene	<100	ug/kg dry sample	EPA 8260	03/28/01	DLB	
O-Xylene	<50	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Styrene	<50	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Tetrachloroethene	<50	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Toluene	<100	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Trans-1,2-Dichloroethene	<50	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Trans-1,3-Dichloropropene	<50	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Trans-1,4-Dichloro-2-butene	<100	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Trichloroethene	<50	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Trichlorofluoromethane	<100	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Vinyl chloride	<100	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Prior. Poll. acids	See below		EPA 8270	04/03/01	KTL	
Prior. Poll. base-neutrals	See below		EPA 8270	04/03/01	KTL	
Prep, SV Acid/BN	Completed		EPA 3545	03/26/01	SAS	
1,2,4-Trichlorobenzene 8270	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
1,2-Dichlorobenzene by 8270	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
1,2-Diphenylhydrazine	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
1,3-Dichlorobenzene by 8270	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
1,4-Dichlorobenzene by 8270	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
2,3,7,8-TCDD by 8270	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
2,4,6-Trichlorophenol	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
2,4-Dichlorophenol	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
2,4-Dimethylphenol	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
2,4-Dinitrophenol	<660	ug/kg dry sample	EPA 8270	04/03/01	KTL	
2,4-Dinitrotoluene	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
2,6-Dinitrotoluene	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
2-Chloronaphthalene	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
2-Chlorophenol	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
2-Methyl-4,6-dinitrophenol	<660	ug/kg dry sample	EPA 8270	04/03/01	KTL	
2-Nitrophenol	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	

LABORATORY DETAIL REPORT

Client: *Strebor Inc.*

KAR Project No. : *011429*
Date Reported : *04/06/01*

Project
Desc. : *Analysis of six soil samples.*

Sample ID : *"PE-8"*
Sampled By : *ES of Bay West, Inc.*
Sample Date : *3/20/2001*
Sample Time : *1425*

Date Received : *3/21/2001*
Sample Type : *soil*
KAR Sample No. : *011429-04*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
3,3'-Dichlorobenzidine	<660	ug/kg dry sample	EPA 8270	04/03/01	KTL	
4-Bromophenyl phenyl ether	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
4-Chloro-3-methylphenol	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
4-Chlorophenyl phenyl ether	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
4-Nitrophenol	<660	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Acenaphthene	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Acenaphthylene	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Anthracene	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Benzidine	<1650	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Benzo(a)anthracene	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Benzo(a)pyrene	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Benzo(b)fluoranthene	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Benzo(ghi)perylene	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Benzo(k)fluoranthene	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Bis(2-chloroethoxy)methane	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Bis(2-chloroethyl)ether	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Bis(2-chloroisopropyl)ether	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Bis(2-ethylhexyl)phthalate	2900	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Butylbenzyl phthalate	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Chrysene	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Di-N-butylphthalate	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Di-n-Octyl phthalate	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Dibenzo(ah)anthracene	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Diethyl phthalate	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Dimethyl phthalate	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Fluoranthene	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Fluorene	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Hexachlorobenzene	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Hexachlorobutadiene	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Hexachlorocyclopentadiene	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Hexachloroethane	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Indeno(123cd)pyrene	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Isophorone	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
N-Nitrosodi-n-propylamine	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
N-Nitrosodimethylamine	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
N-Nitrosodiphenylamine	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Naphthalene by Method 8270	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Nitrobenzene	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Pentachlorophenol	<800	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Phenanthrene	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Phenol	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Pyrene	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	

LABORATORY DETAIL REPORT

Client: *Strebor Inc.*

KAR Project No. : *011429*
Date Reported : *04/06/01*

Project
Desc. : *Analysis of six soil samples.*

Sample ID : *"DUP-1"*
Sampled By : *ES of Bay West, Inc.*
Sample Date : *3/20/2001*
Sample Time :

Date Received : *3/21/2001*
Sample Type : *soil*
KAR Sample No. : *011429-05*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Prep, Hg	Completed		EPA 7471A	03/22/01	MJB	
Prep, metals	Completed		EPA 3050	03/29/01	MJB	
Arsenic, total, low level	6.1	mg/kg dry sample	EPA 6020	04/05/01	DBL	
Barium, total, low level	180	mg/kg dry sample	EPA 6010B	03/30/01	PML	
Cadmium, total, low level	0.50	mg/kg dry sample	EPA 6020	04/05/01	DBL	
Chromium, total, low level	18.5	mg/kg dry sample	EPA 6010B	03/30/01	PML	
Lead, total	130	mg/kg dry sample	EPA 6010B	03/30/01	PML	
Mercury, total, low level	1.8	mg/kg dry sample	EPA 7471A	03/23/01	DBL	
Selenium, total, low level	<1.3	mg/kg dry sample	EPA 6020	04/05/01	DBL	Elevated detection limit due to sample matrix interference.
Silver, total	<0.5	mg/kg dry sample	EPA 6010B	03/30/01	PML	
Dry weight solids	77.52	% by weight	SM(18) 2540B mod	03/27/01	BLF	
EPA 8260 Plus	See below		EPA 8260	03/28/01	DLB	
Prep, VOA	Completed		EPA 5035	03/28/01	DLB	Sample was field-preserved at time of collection.
1,1,1,2-Tetrachloroethane	<100	ug/kg dry sample	EPA 8260	03/28/01	DLB	
1,1,1-Trichloroethane	<50	ug/kg dry sample	EPA 8260	03/28/01	DLB	
1,1,2,2-Tetrachloroethane	<100	ug/kg dry sample	EPA 8260	03/28/01	DLB	
1,1,2-Trichloroethane	<50	ug/kg dry sample	EPA 8260	03/28/01	DLB	
1,1-Dichloroethane	<50	ug/kg dry sample	EPA 8260	03/28/01	DLB	
1,1-Dichloroethene	<50	ug/kg dry sample	EPA 8260	03/28/01	DLB	
1,2,3-Trichloropropane	<100	ug/kg dry sample	EPA 8260	03/28/01	DLB	
1,2,4-Trichlorobenzene	<250	ug/kg dry sample	EPA 8260	03/28/01	DLB	
1,2,4-Trimethylbenzene	<100	ug/kg dry sample	EPA 8260	03/28/01	DLB	
1,2-Dibromo-3-chloropropane	<250	ug/kg dry sample	EPA 8260	03/28/01	DLB	
1,2-Dichlorobenzene	<100	ug/kg dry sample	EPA 8260	03/28/01	DLB	
1,2-Dichloroethane	<50	ug/kg dry sample	EPA 8260	03/28/01	DLB	
1,2-Dichloropropane	<50	ug/kg dry sample	EPA 8260	03/28/01	DLB	
1,3,5-Trimethylbenzene	<100	ug/kg dry sample	EPA 8260	03/28/01	DLB	
1,3-Dichlorobenzene	<100	ug/kg dry sample	EPA 8260	03/28/01	DLB	
1,4-Dichlorobenzene	<100	ug/kg dry sample	EPA 8260	03/28/01	DLB	
2-Butanone	<250	ug/kg dry sample	EPA 8260	03/28/01	DLB	
2-Hexanone	<2500	ug/kg dry sample	EPA 8260	03/28/01	DLB	
2-Methylnaphthalene by 8260	<250	ug/kg dry sample	EPA 8260	03/28/01	DLB	
4-Methyl-2-pentanone	<2500	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Acetone	<750	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Acrylonitrile	<2500	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Benzene	<50	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Bromochloromethane	<100	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Bromodichloromethane	<100	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Bromoform	<100	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Bromomethane	<250	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Carbon disulfide	<250	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Carbon tetrachloride	<50	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Chlorobenzene	<50	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Chloroethane	<250	ug/kg dry sample	EPA 8260	03/28/01	DLB	

LABORATORY DETAIL REPORT

Client: *Strebor Inc.*

KAR Project No. : *011429*
Date Reported : *04/06/01*

Project
Desc. : *Analysis of six soil samples.*

Sample ID : *"DUP-1"*
Sampled By : *ES of Bay West, Inc.*
Sample Date : *3/20/2001*
Sample Time :

Date Received : *3/21/2001*
Sample Type : *soil*
KAR Sample No. : *011429-05*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Chloroform	<50	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Chloromethane	<250	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Cis-1,2-Dichloroethene	<50	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Cis-1,3-Dichloropropene	<50	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Dibromochloromethane	<100	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Dibromomethane	<250	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Dichlorodifluoromethane	<100	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Diethyl ether	<2500	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Ethylbenzene	<50	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Ethylene dibromide	<250	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Isopropylbenzene	<100	ug/kg dry sample	EPA 8260	03/28/01	DLB	
M-and/or p-xylene	<100	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Methyl iodide	<100	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Methyl t-butyl ether (MTBE)	<250	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Methylene chloride	<250	ug/kg dry sample	EPA 8260	03/28/01	DLB	
N-Propylbenzene	<100	ug/kg dry sample	EPA 8260	03/28/01	DLB	
O-Xylene	<50	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Styrene	<50	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Tetrachloroethene	<50	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Toluene	<100	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Trans-1,2-Dichloroethene	<50	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Trans-1,3-Dichloropropene	<50	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Trans-1,4-Dichloro-2-butene	<100	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Trichloroethene	<50	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Trichlorofluoromethane	<100	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Vinyl chloride	<100	ug/kg dry sample	EPA 8260	03/28/01	DLB	
Prior. Poll. acids	See below		EPA 8270	04/03/01	KTL	
Prior. Poll. base-neutrals	See below		EPA 8270	04/03/01	KTL	
Prep, SV Acid/BN	Completed		EPA 3545	03/26/01	SAS	
1,2,4-Trichlorobenzene 8270	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
1,2-Dichlorobenzene by 8270	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
1,2-Diphenylhydrazine	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
1,3-Dichlorobenzene by 8270	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
1,4-Dichlorobenzene by 8270	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
2,3,7,8-TCDD by 8270	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
2,4,6-Trichlorophenol	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
2,4-Dichlorophenol	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
2,4-Dimethylphenol	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
2,4-Dinitrophenol	<660	ug/kg dry sample	EPA 8270	04/03/01	KTL	
2,4-Dinitrotoluene	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
2,6-Dinitrotoluene	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
2-Chloronaphthalene	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
2-Chlorophenol	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
2-Methyl-4,6-dinitrophenol	<660	ug/kg dry sample	EPA 8270	04/03/01	KTL	
2-Nitrophenol	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	

LABORATORY DETAIL REPORT

Client: *Strebor Inc.*

KAR Project No. : *011429*
Date Reported : *04/06/01*

Project
Desc. : *Analysis of six soil samples.*

Sample ID : *"DUP-1"*
Sampled By : *ES of Bay West, Inc.*
Sample Date : *3/20/2001*
Sample Time :

Date Received : *3/21/2001*
Sample Type : *soil*
KAR Sample No. : *011429-05*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
3,3'-Dichlorobenzidine	<660	ug/kg dry sample	EPA 8270	04/03/01	KTL	
4-Bromophenyl phenyl ether	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
4-Chloro-3-methylphenol	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
4-Chlorophenyl phenyl ether	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
4-Nitrophenol	<660	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Acenaphthene	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Acenaphthylene	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Anthracene	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Benzidine	<1650	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Benzo(a)anthracene	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Benzo(a)pyrene	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Benzo(b)fluoranthene	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Benzo(ghi)perylene	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Benzo(k)fluoranthene	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Bis(2-chloroethoxy)methane	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Bis(2-chloroethyl)ether	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Bis(2-chloroisopropyl)ether	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Bis(2-ethylhexyl)phthalate	2600	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Butylbenzyl phthalate	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Chrysene	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Di-N-butylphthalate	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Di-n-Octyl phthalate	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Dibenzo(ah)anthracene	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Diethyl phthalate	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Dimethyl phthalate	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Fluoranthene	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Fluorene	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Hexachlorobenzene	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Hexachlorobutadiene	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Hexachlorocyclopentadiene	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Hexachloroethane	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Indeno(123cd)pyrene	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Isophorone	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
N-Nitrosodi-n-propylamine	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
N-Nitrosodimethylamine	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
N-Nitrosodiphenylamine	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Naphthalene by Method 8270	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Nitrobenzene	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Pentachlorophenol	<800	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Phenanthrene	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Phenol	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Pyrene	<330	ug/kg dry sample	EPA 8270	04/03/01	KTL	

LABORATORY DETAIL REPORT

Client: *Strebor Inc.*

KAR Project No. : *011429*
Date Reported : *04/06/01*

Project
Desc. : *Analysis of six soil samples.*

Sample ID : *"PE-9"*
Sampled By : *ES of Bay West, Inc.*
Sample Date : *3/23/2001*
Sample Time : *1325*

Date Received : *3/23/2001*
Sample Type : *soil*
KAR Sample No. : *011429-06*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Prep, Hg	Completed		EPA 7471A	03/26/01	MJB	
Prep, metals	Completed		EPA 3050	03/29/01	MJB	
Arsenic, total, low level	1.8	mg/kg dry sample	EPA 6020	04/05/01	DBL	
Barium, total, low level	37	mg/kg dry sample	EPA 6010B	03/30/01	PML	
Cadmium, total, low level	0.06	mg/kg dry sample	EPA 6020	04/05/01	DBL	
Chromium, total, low level	8.3	mg/kg dry sample	EPA 6010B	03/30/01	PML	
Lead, total	12	mg/kg dry sample	EPA 6010B	03/30/01	PML	
Mercury, total, low level	0.2	mg/kg dry sample	EPA 7471A	03/26/01	DBL	
Selenium, total, low level	<0.2	mg/kg dry sample	EPA 6020	04/05/01	DBL	
Silver, total	<0.5	mg/kg dry sample	EPA 6010B	03/30/01	PML	
Dry weight solids	86.88	% by weight	SM(18) 2540B mod	03/27/01	BLF	
EPA 8260 Plus	See below		EPA 8260	03/29/01	DLB	
Prep, VOA	Completed		EPA 5035	03/29/01	DLB	Sample was field-preserved at time of collection.
1,1,1,2-Tetrachloroethane	<20,000	ug/kg dry sample	EPA 8260	03/29/01	DLB	
1,1,1-Trichloroethane	<10,000	ug/kg dry sample	EPA 8260	03/29/01	DLB	
1,1,2,2-Tetrachloroethane	<20,000	ug/kg dry sample	EPA 8260	03/29/01	DLB	
1,1,2-Trichloroethane	<10,000	ug/kg dry sample	EPA 8260	03/29/01	DLB	
1,1-Dichloroethane	<10,000	ug/kg dry sample	EPA 8260	03/29/01	DLB	
1,1-Dichloroethene	<10,000	ug/kg dry sample	EPA 8260	03/29/01	DLB	
1,2,3-Trichloropropane	<20,000	ug/kg dry sample	EPA 8260	03/29/01	DLB	
1,2,4-Trichlorobenzene	<50,000	ug/kg dry sample	EPA 8260	03/29/01	DLB	
1,2,4-Trimethylbenzene	550,000	ug/kg dry sample	EPA 8260	03/29/01	DLB	
1,2-Dibromo-3-chloropropane	<50,000	ug/kg dry sample	EPA 8260	03/29/01	DLB	
1,2-Dichlorobenzene	<20,000	ug/kg dry sample	EPA 8260	03/29/01	DLB	
1,2-Dichloroethane	<10,000	ug/kg dry sample	EPA 8260	03/29/01	DLB	
1,2-Dichloropropane	<10,000	ug/kg dry sample	EPA 8260	03/29/01	DLB	
1,3,5-Trimethylbenzene	180,000	ug/kg dry sample	EPA 8260	03/29/01	DLB	
1,3-Dichlorobenzene	<20,000	ug/kg dry sample	EPA 8260	03/29/01	DLB	
1,4-Dichlorobenzene	<20,000	ug/kg dry sample	EPA 8260	03/29/01	DLB	
2-Butanone	<50,000	ug/kg dry sample	EPA 8260	03/29/01	DLB	
2-Hexanone	<500,000	ug/kg dry sample	EPA 8260	03/29/01	DLB	
2-Methylnaphthalene by 8260	<50,000	ug/kg dry sample	EPA 8260	03/29/01	DLB	
4-Methyl-2-pentanone	<500,000	ug/kg dry sample	EPA 8260	03/29/01	DLB	
Acetone	<150,000	ug/kg dry sample	EPA 8260	03/29/01	DLB	
Acrylonitrile	<500,000	ug/kg dry sample	EPA 8260	03/29/01	DLB	
Benzene	<10,000	ug/kg dry sample	EPA 8260	03/29/01	DLB	
Bromochloromethane	<20,000	ug/kg dry sample	EPA 8260	03/29/01	DLB	
Bromodichloromethane	<20,000	ug/kg dry sample	EPA 8260	03/29/01	DLB	
Bromoform	<20,000	ug/kg dry sample	EPA 8260	03/29/01	DLB	
Bromomethane	<50,000	ug/kg dry sample	EPA 8260	03/29/01	DLB	
Carbon disulfide	<50,000	ug/kg dry sample	EPA 8260	03/29/01	DLB	
Carbon tetrachloride	<10,000	ug/kg dry sample	EPA 8260	03/29/01	DLB	
Chlorobenzene	<10,000	ug/kg dry sample	EPA 8260	03/29/01	DLB	
Chloroethane	<50,000	ug/kg dry sample	EPA 8260	03/29/01	DLB	

LABORATORY DETAIL REPORT

Client: *Strebor Inc.*

KAR Project No. : *011429*
Date Reported : *04/06/01*

Project
Desc. : *Analysis of six soil samples.*

Sample ID : *"PE-9"*
Sampled By : *ES of Bay West, Inc.*
Sample Date : *3/23/2001*
Sample Time : *1325*

Date Received : *3/23/2001*
Sample Type : *soil*
KAR Sample No. : *011429-06*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Chloroform	<10,000	ug/kg dry sample	EPA 8260	03/29/01	DLB	
Chloromethane	<50,000	ug/kg dry sample	EPA 8260	03/29/01	DLB	
Cis-1,2-Dichloroethene	<10,000	ug/kg dry sample	EPA 8260	03/29/01	DLB	
Cis-1,3-Dichloropropene	<10,000	ug/kg dry sample	EPA 8260	03/29/01	DLB	
Dibromochloromethane	<20,000	ug/kg dry sample	EPA 8260	03/29/01	DLB	
Dibromomethane	<50,000	ug/kg dry sample	EPA 8260	03/29/01	DLB	
Dichlorodifluoromethane	<20,000	ug/kg dry sample	EPA 8260	03/29/01	DLB	
Diethyl ether	<500,000	ug/kg dry sample	EPA 8260	03/29/01	DLB	
Ethylbenzene	16,000	ug/kg dry sample	EPA 8260	03/29/01	DLB	
Ethylene dibromide	<50,000	ug/kg dry sample	EPA 8260	03/29/01	DLB	
Isopropylbenzene	36,000	ug/kg dry sample	EPA 8260	03/29/01	DLB	
M-and/or p-xylene	66,000	ug/kg dry sample	EPA 8260	03/29/01	DLB	
Methyl iodide	<20,000	ug/kg dry sample	EPA 8260	03/29/01	DLB	
Methyl t-butyl ether (MTBE)	<50,000	ug/kg dry sample	EPA 8260	03/29/01	DLB	
Methylene chloride	<50,000	ug/kg dry sample	EPA 8260	03/29/01	DLB	
N-Propylbenzene	100,000	ug/kg dry sample	EPA 8260	03/29/01	DLB	
O-Xylene	86,000	ug/kg dry sample	EPA 8260	03/29/01	DLB	
Styrene	<10,000	ug/kg dry sample	EPA 8260	03/29/01	DLB	
Tetrachloroethene	<10,000	ug/kg dry sample	EPA 8260	03/29/01	DLB	
Toluene	<20,000	ug/kg dry sample	EPA 8260	03/29/01	DLB	
Trans-1,2-Dichloroethene	<10,000	ug/kg dry sample	EPA 8260	03/29/01	DLB	
Trans-1,3-Dichloropropene	<10,000	ug/kg dry sample	EPA 8260	03/29/01	DLB	
Trans-1,4-Dichloro-2-butene	<20,000	ug/kg dry sample	EPA 8260	03/29/01	DLB	
Trichloroethene	<10,000	ug/kg dry sample	EPA 8260	03/29/01	DLB	
Trichlorofluoromethane	<20,000	ug/kg dry sample	EPA 8260	03/29/01	DLB	
Vinyl chloride	<20,000	ug/kg dry sample	EPA 8260	03/29/01	DLB	
Prior. Poll. acids	See below		EPA 8270	04/03/01	KTL	
Prior. Poll. base-neutrals	See below		EPA 8270	04/03/01	KTL	
Prep, SV Acid/BN	Completed		EPA 3545	03/26/01	SAS	
1,2,4-Trichlorobenzene 8270	<1000	ug/kg dry sample	EPA 8270	04/03/01	KTL	
1,2-Dichlorobenzene by 8270	<1000	ug/kg dry sample	EPA 8270	04/03/01	KTL	
1,2-Diphenylhydrazine	<1000	ug/kg dry sample	EPA 8270	04/03/01	KTL	
1,3-Dichlorobenzene by 8270	<1000	ug/kg dry sample	EPA 8270	04/03/01	KTL	
1,4-Dichlorobenzene by 8270	<1000	ug/kg dry sample	EPA 8270	04/03/01	KTL	
2,3,7,8-TCDD by 8270	<1000	ug/kg dry sample	EPA 8270	04/03/01	KTL	
2,4,6-Trichlorophenol	<1000	ug/kg dry sample	EPA 8270	04/03/01	KTL	
2,4-Dichlorophenol	<1000	ug/kg dry sample	EPA 8270	04/03/01	KTL	
2,4-Dimethylphenol	<1000	ug/kg dry sample	EPA 8270	04/03/01	KTL	
2,4-Dinitrophenol	<2000	ug/kg dry sample	EPA 8270	04/03/01	KTL	
2,4-Dinitrotoluene	<1000	ug/kg dry sample	EPA 8270	04/03/01	KTL	
2,6-Dinitrotoluene	<1000	ug/kg dry sample	EPA 8270	04/03/01	KTL	
2-Chloronaphthalene	<1000	ug/kg dry sample	EPA 8270	04/03/01	KTL	
2-Chlorophenol	<1000	ug/kg dry sample	EPA 8270	04/03/01	KTL	
2-Methyl-4,6-dinitrophenol	<2000	ug/kg dry sample	EPA 8270	04/03/01	KTL	
2-Nitrophenol	<1000	ug/kg dry sample	EPA 8270	04/03/01	KTL	

LABORATORY DETAIL REPORT

Client: *Strebor Inc.*

KAR Project No. : *011429*
Date Reported : *04/06/01*

Project
Desc. : *Analysis of six soil samples.*

Sample ID : *"PE-9"*
Sampled By : *ES of Bay West, Inc.*
Sample Date : *3/23/2001*
Sample Time : *1325*

Date Received : *3/23/2001*
Sample Type : *soil*
KAR Sample No. : *011429-06*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
3,3'-Dichlorobenzidine	<2000	ug/kg dry sample	EPA 8270	04/03/01	KTL	
4-Bromophenyl phenyl ether	<1000	ug/kg dry sample	EPA 8270	04/03/01	KTL	
4-Chloro-3-methylphenol	<1000	ug/kg dry sample	EPA 8270	04/03/01	KTL	
4-Chlorophenyl phenyl ether	<1000	ug/kg dry sample	EPA 8270	04/03/01	KTL	
4-Nitrophenol	<2000	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Acenaphthene	<1000	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Acenaphthylene	<1000	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Anthracene	<1000	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Benzidine	<2500	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Benzo(a)anthracene	<1000	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Benzo(a)pyrene	<1000	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Benzo(b)fluoranthene	<1000	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Benzo(ghi)perylene	<1000	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Benzo(k)fluoranthene	<1000	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Bis(2-chloroethoxy)methane	<1000	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Bis(2-chloroethyl)ether	<1000	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Bis(2-chloroisopropyl)ether	<1000	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Bis(2-ethylhexyl)phthalate	160,000	ug/kg dry sample	EPA 8270	04/04/01	KTL	
Butylbenzyl phthalate	<1000	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Chrysene	<1000	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Di-N-butylphthalate	<1000	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Di-n-Octyl phthalate	<1000	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Dibenzo(ah)anthracene	<1000	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Diethyl phthalate	<1000	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Dimethyl phthalate	<1000	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Fluoranthene	<1000	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Fluorene	<1000	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Hexachlorobenzene	<1000	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Hexachlorobutadiene	<1000	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Hexachlorocyclopentadiene	<1000	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Hexachloroethane	<1000	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Indeno(123cd)pyrene	<1000	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Isophorone	<1000	ug/kg dry sample	EPA 8270	04/03/01	KTL	
N-Nitrosodi-n-propylamine	<1000	ug/kg dry sample	EPA 8270	04/03/01	KTL	
N-Nitrosodimethylamine	<1000	ug/kg dry sample	EPA 8270	04/03/01	KTL	
N-Nitrosodiphenylamine	<1000	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Naphthalene by Method 8270	19,000	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Nitrobenzene	<1000	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Pentachlorophenol	200,000	ug/kg dry sample	EPA 8270	04/04/01	KTL	
Phenanthrene	1200	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Phenol	<1000	ug/kg dry sample	EPA 8270	04/03/01	KTL	
Pyrene	<1000	ug/kg dry sample	EPA 8270	04/03/01	KTL	

CHAIN - OF - CUSTODY RECORD

Strebor Inc.

LAB: KAR Laboratories
PROJECT NUMBER | PROJECT MANAGER

SEND RESULTS TO: Mike McClish
TURNAROUND REQUEST: Standard
SAMPLE RETENTION: RETURN | DISPOSE

CHAIN-OF-CUSTODY NO: SI - 893

ITEM NO.	SAMPLE ID NUMBER	SAMPLE DATE / SAMPLE TIME	MATRIX	NUMBER AND TYPE OF CONTAINER	ANALYSIS CODE	Grab (G) Composite (C)	DESCRIPTION/COMMENTS
1	PE-5	3/20/01 08:55	Soil	2x145ml 1x40ml 1x bag	16, 17 18, 19	G	
2	PE-6	3/20/01 09:20	Soil	↓	16, 17 18, 19	G	
3	PE-7	3/20/01 09:55	Soil		16, 17 18, 19	G	
4	PE-8	3/21/01 14:25	Soil		16, 17 18, 19	G	
5	DUP-1	3/21/01	Soil	↓	16, 17 18, 19	G	
6							
7							
8							

ANALYSIS CODES
- Cross out any unwanted parameter
- List any extra parameters in section below

01 VOC's EPA 601/602 (includes Xylenes)
02 Phenols EPA 625
03 Pentachlorophenol EPA 625
04 Total Suspended Solids EPA 160.2
05 PAH EPA 625
06 Phthalate Esters EPA 625
07 pH EPA 150.1
08 TPH EPA 8015 Modified
09 Cr, Cu, Ni, Zn EPA 200.7
10 Cd. EPA 213.2
11 Pb EPA 239.2
12 Hg EPA 245.2
13 CN (total) EPA 335.2
14 PCBs EPA 608
15 PCDDs/PCDFs EPA 1613
16 VOCs - Method 8260
17 SVOCs - Method 8270
18 RCRA Metals - Method 6020
19 Mercury - Method 7471
20
21
22
23
24
25

SAMPLER: Erika Schlicht
AFFILIATION: Bay West, Inc.
DATE: 3/21/01
TIME:

TRANS NO.	ITEM NO.	RELINQUISHED BY	ACCEPTED BY	DATE	TIME
1	1-5	Erika Schlicht	Ann Mc	3/21/01	3:40
2					
3					
4					
5					

PRESERVATION:
All samples must be preserved at 4°C (39°F), unless specified otherwise.

Cd, Cr, Cu, Pb, Ni, Zn pH<2 with HNO3
Cn pH>12 with NaOH

Matrix:
W = Water
L = Liquid Sample
S = Solid Sample
SD = Solids Sample
SL = Sludge Sample
O = Other (specify_____)

WHITE - CLIENT FILE COPY YELLOW - LABORATORY FILE COPY PINK - BAY WEST FILE COPY GOLDENROD - STREBOR INC. FILE COPY

011317

CHAIN - OF - CUSTODY RECORD

Strebor Inc.

LAB: KAR Laboratories | SEND RESULTS TO: Mike McClish | CHAIN-OF-CUSTODY NO: SI - 894

PROJECT NUMBER | PROJECT MANAGER | TURNAROUND REQUEST: Standard | SAMPLE RETENTION: RETURN | DISPOSE

ITEM NO.	SAMPLE ID NUMBER	SAMPLE DATE / SAMPLE TIME	MATRIX	NUMBER AND TYPE OF CONTAINER	ANALYSIS CODE	Grab (G) Composite (C)	DESCRIPTION/COMMENTS
1	PE-9	3/23/01 13:25	Soil	2x 145ml 1x 40ml 1x bag	16, 17 18, 19	G	
2							
3							
4							
5							
6							
7							
8							

ANALYSIS CODES
- Cross out any unwanted parameter
- List any extra parameters in section below

01 VOC's EPA 601/602 (includes Xylenes)
02 Phenols EPA 625
03 Pentachlorophenol EPA 625
04 Total Suspended Solids EPA 160.2
05 PAH EPA 625
06 Phthalate Esters EPA 625
07 pH EPA 150.1
08 TPH EPA 8015 Modified
09 Cr, Cu, Ni, Zn EPA 200.7
10 Cd. EPA 213.2
11 Pb EPA 239.2
12 Hg EPA 245.2
13 CN (total) EPA 335.2
14 PCBs EPA 608
15 PCDDs/PCDFs EPA 1613
16 VOCs - Method 8260
17 SVOCs - Method 8270
18 RCRA Metals - Method 6020
19 Mercury - Method 7471
20
21
22
23
24
25

SAMPLER: Erika Schlicht | AFFILIATION: Bay West, Inc. | DATE: 3/23/01 | TIME: 14:05

TRANS NO.	ITEM NO.	RELINQUISHED BY	ACCEPTED BY	DATE	TIME
1	1	Erika Schlicht	[signature]	3/23/01	14:05
2	1	[signature]	Hope Starley	3/23/01	1405
3					
4					
5					

PRESERVATION:
All samples must be preserved at 4°C (39°F), unless specified otherwise.

Cd, Cr, Cu, Pb, Ni, Zn pH<2 with HNO3
Cn pH>12 with NaOH

Matrix:
W = Water
L = Liquid Sample
S = Solid Sample
SD = Solids Sample
SL = Sludge Sample
O = Other (specify_____)

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011429

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DETERMINATION OF PCDD/PCDF LEVELS

Prepared for:
Baywest
Attn: Erika Schlicht
5 Empire Drive
St. Paul, MN 55103

Project: Chemical Analysis

Client Purchase Order Number: 12646

REPORT OF LABORATORY ANALYSIS

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REPORT OF: CHEMICAL ANALYSES

PROJECT: PCDD/PCDF ANALYSES

DATE: April 16, 2001

ISSUED TO: Baywest
Attn: Ms. Erika Schlicht
5 Empire Drive
St. Paul, MN 55103

REPORT NO: 01-1042936

INTRODUCTION

This report presents the results from the analyses performed on nine samples which were submitted by a representative of Baywest. The samples were analyzed for the presence or absence of polychlorinated dibenzo-p-dioxins (PCDDs) and dibenzofurans (PCDFs) using a modified version of USEPA Method 8290 as described below.

SAMPLE IDENTIFICATION

Client ID	Sample Type	Date Received	Pace ID
PE-1	Solid	3/27/01	2630159
PE-2	Solid	3/27/01	2630167
PE-3	Solid	3/27/01	2630175
PE-5	Solid	3/27/01	2630183
PE-6	Solid	3/27/01	2630191
PE-7	Solid	3/27/01	2630209
PE-8	Solid	3/27/01	2630217
Dup-1	Solid	3/27/01	2630225
PE-9	Solid	3/27/01	2630233

METHODOLOGY

Sample Extraction

A portion of each sample was spiked with $^{13}C_{12}$-labeled PCDD/PCDF internal standards (Table 1) and extracted with toluene in a Soxhlet extractor. The extract was quantitatively transferred to a Kuderna-Danish concentrator, concentrated, and solvent exchanged to hexane. The hexane extract was then spiked with 2,3,7,8-TCDD-$^{37}Cl_4$ enrichment efficiency standard (Table 1) and processed through the analyte enrichment procedures described below. Moisture content was determined by taking an aliquot of each solid sample to constant weight in an oven.

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REPORT OF: CHEMICAL ANALYSES

PROJECT: PCDD/PCDF ANALYSES **DATE:** April 16, 2001

 REPORT NO: 01-1042936

PCDD/PCDF Analyte Enrichment

The extraction procedure often removes a variety of compounds, in addition to the PCDDs and PCDFs, from the sample matrix. Some of these compounds can directly interfere with the analyses while others can overload the capillary column causing degradation in chromatographic resolution or sensitivity. The analyte enrichment steps described below are used to remove interferences from the extracts.

Each extract was diluted to 100 mL with hexane, transferred to a separatory funnel, and washed with 1N sodium hydroxide, concentrated sulfuric acid, and aqueous sodium chloride (5% w/v) as needed. The hexane extract was quantitatively transferred to a liquid chromatography column containing alternating layers of silica gel, 40% concentrated sulfuric acid on silica gel, and 33% 1 N sodium hydroxide on silica gel. The column was eluted with 90 mL of hexane and the entire eluate was collected and concentrated, under ambient conditions, to a volume of 1 mL.

Each extract was then fractionated on a liquid chromatography column containing 4 g of activated alumina. The column was eluted with 20 mL of hexane followed by 15 mL of 60% methylene chloride/hexane. The 60% methylene chloride/hexane fraction was concentrated to 1 mL under a stream of dry nitrogen and applied to the top of a chromatography column containing 1 g of 5% AX-21 activated carbon in silica gel. The column was eluted with two 2-mL portions of hexane, 2 mL of cyclohexane/methylene chloride (50:50 v/v) and cyclohexane/methanol/toluene (75:20:5 v/v) in the forward direction, and then with toluene in the reverse direction. The toluene fraction was collected, concentrated, spiked with recovery standards (1,2,3,4-TCDD-$^{13}C_{12}$ and 1,2,3,7,8,9-HxCDD-$^{13}C_{12}$) and taken to a final volume of 20 uL.

PCDD/PCDF Analyses

Each sample extract was analyzed for the presence of PCDDs and PCDFs using combined capillary column gas chromatography/high resolution mass spectrometry (HRGC/HRMS). The instrumentation consisted of a Hewlett Packard Model 5890 gas chromatograph interfaced to a VG Model 70SE high-resolution mass spectrometer. The capillary column was interfaced directly into the ion source of the mass spectrometer, thus providing the highest possible sensitivity while minimizing degradation of the chromatographic resolution.

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PROJECT: PCDD/PCDF ANALYSES **DATE:** April 16, 2001

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PCDD/PCDF Analyses (Cont.)

The mass spectrometer was operated in the electron impact ionization mode at a mass resolution of 10,000-11,000 (M/ΔM, 10 percent valley definition). This resolution is sufficient to resolve most interferences, such as PCBs, thus providing the highest level of confidence that the detected levels of PCDD/PCDF were not false positives resulting from interferences. Typical operating parameters for the HRGC/HRMS analyses are summarized in Table 2.

The data were acquired by selected-ion-recording (SIR) using groups of ion masses similar to those described in USEPA Method 8290. The five groups corresponded to the tetrachlorinated through octachlorinated congener classes. Each group contained two ion masses for the PCDDs, two ion masses for the PCDFs, the corresponding ion masses from the two isotopically labeled internal standards, and the ion mass characteristic of the polychlorinated diphenylether (PCDE) which, if present, could cause false responses in the dibenzofuran channels.

Each group of ion masses also contained a lock mass which was used by the data system to automatically correct the mass focus of the instrument. The data system determined the centroid of the lock mass during each data acquisition cycle and corrected the mass focus of the analyte and internal standard ion masses to assure that the centers of the mass peaks were being monitored.

The criteria used to judge positive responses for a PCDD/PCDF isomer included:

* Simultaneous response at both ion masses of the PCDD or PCDF
* Signal-to-noise ratio equal to or greater than 2.5:1.0 for both ion masses
* Chlorine isotope ratio within 15% of the theoretical value
* Chromatographic retention time within +/- 2 seconds of the expected retention time
* Chromatographic retention times within elution windows determined from analyses of standard mixtures
* Absence of simultaneous response in the PCDF and PCDPE ion traces

A list of the exact ion masses monitored for the determination of PCDD/PCDF isomers and the PCDE interferences is presented in Table 3. Also included are the theoretical chlorine isotope ratios for the ten congener classes.

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PCDD/PCDF Quantification and Calculations

The PCDD/PCDF isomers were quantified by comparison of their responses to the responses of the labeled internal standards. Relative response factors were calculated from analyses of standard mixtures containing representatives of each of the PCDD/PCDF congener classes at five concentration levels, and each of the internal standards at one concentration level, as shown in Table 4. The PCDD/PCDF response factors were calculated by comparing the sum of the responses from the two ion masses monitored for each chlorine congener class to the sum of the responses from the two ion masses of the corresponding isotopically labeled internal standard. The formula for the response factor calculation is:

$$Rf = \frac{An \times Qis}{Ais \times Qn}$$

where:

Rf = Response factor
An = Sum of integrated areas for native isomer
Qis = Quantity of labeled internal standard
Ais = Sum of integrated areas for labeled internal standard
Qn = Quantity of native isomer

The levels of PCDD/PCDF in each sample were quantified using the following equation:

$$C = \frac{An \times Qis}{Ais \times W \times Rf}$$

where:

C = Concentration of target isomer or congener class
An = Sum of integrated areas for the target isomer or congener class
Qis = Quantity of labeled internal standard added to the sample
Ais = Sum of integrated areas for the labeled internal standard
W = Sample amount
Rf = Response factor

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PCDD/PCDF Quantification and Calculations (Cont.)

Each pair of ion mass peaks in the selected-ion-current chromatograms was evaluated manually to determine if it met the criteria for a PCDD or PCDF isomer. Areas of all peaks exhibiting correct ion ratios, having retention times within the correct windows, and having areas corresponding to concentrations in the range covered by the initial calibration were then summed for calculations of total congener concentrations. The toxic equivalence of each sample was calculated using the factors listed in Table 5.

A limit of detection (LOD) based on producing a signal that is 2.5 times the noise level, was calculated for each undetected 2,3,7,8-substituted isomer of any tetra through octa chlorinated congener class. The noise heights used to calculate the detection limits were measured at the retention time of the specific isomer. The formula used for calculating the LOD is:

$$LOD = \frac{Hn \times Qis \times 2.5}{His \times W \times Rf}$$

where:

LOD = Single isomer limit of detection
Hn = Sum of noise heights at native isomer retention time
Qis = Quantity of labeled internal standard
His = Sum of peak heights for labeled internal standard
W = Sample amount
Rf = Response factor

The recovery of the 2,3,7,8-TCDD-$^{37}Cl_4$ enrichment efficiency standard and each $^{13}C_{12}$-labeled internal standard, relative to either 1,2,3,4-TCDD-$^{13}C_{12}$ or 1,2,3,7,8,9-HxCDD-$^{13}C_{12}$, was calculated using the following equation:

$$\%R = \frac{Ais \times Qrs \times 100\%}{Rfr \times Ars \times Qis}$$

where:

%R = Percent recovery of labeled internal standard
Ais = Sum of integrated areas of labeled internal standard
Qrs = Quantity of recovery standard
Ars = Sum of integrated areas of recovery standard
Rfr = Response factor of the specific labeled internal standard relative to the recovery standard
Qis = Quantity of the labeled internal standard congener added to the sample

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Quality Control for PCDD/PCDF Analyses

The performance of the sample processing steps and the instrumentation are monitored on a routine basis. The procedures and criteria are summarized below.

One method blank and one laboratory spike sample are typically prepared with each ten samples of any given matrix. Recoveries of the native PCDD/PCDF analytes in the laboratory spike samples generally range from 70 to 130%. Recoveries of selected analytes outside this range do not invalidate the data but provide information, which is used by the laboratory to monitor recovery trends and to assure optimization of the method.

Internal standards are spiked into each sample prior to extraction in order to monitor the level of recovery, which is achieved for each individual sample. Acceptable recoveries range from 40 to 135 percent for the internal standards unless a deviation is due to variation in instrument response as a result of analytical interferences.

The resolution of the mass spectrometer is verified prior to each analysis to be 10,000 or greater. Hardcopies of the reference peaks are printed at the beginning and end of each analysis day. The resolving power of the DB-5MS chromatographic column is checked daily by analyzing a standard solution containing 2,3,7,8-TCDD and the adjacent TCDD isomers. The DB-225 column resolution is checked daily by analyzing a standard solution containing 2,3,7,8-TCDF and the adjacent TCDF isomers. Acceptable performance is achieved when 2,3,7,8-TCDD or 2,3,7,8-TCDF is resolved from the adjacent isomers by a valley of 25% or less. The group times for the selected-ion-monitoring data acquisitions are also checked daily by analyzing the column performance mix which has been modified to contain the first and last eluting isomers of each congener class. In this way one is assured of collecting data representative of the total PCDD/PCDF content and that the 2,3,7,8-substituted isomers are suitably resolved.

Initial calibrations are generated by analyzing standard solutions (see Table 4) containing target native and labeled PCDD/PCDF compounds. Response factors are calculated and averaged for each compound. These averages are used for quantification and for comparison to the daily continuing calibration. The relative standard deviation for each native compound must be 20% or less (30% or less for the labeled compounds) as specified in Method 8290. A continuing calibration standard is analyzed at the beginning and end of each 12-hour shift on days when initial calibrations are not performed. The initial calibration is considered to be valid when the response factors from the continuing calibration analysis fall to within the ranges specified in Method 8290.

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REPORT OF: CHEMICAL ANALYSES

PROJECT: **PCDD/PCDF ANALYSES** **DATE:** April 16, 2001

 REPORT NO: 01-1042936

RESULTS

The results from the analyses are presented in the following:

Appendix A - Documentation
Appendix B - PCDD/PCDF Analysis Results

DISCUSSION

The recoveries of the isotopically-labeled PCDD/PCDF internal standards in the sample extracts generally ranged from 49-130% and indicate a level of efficiency through the extraction and enrichment steps that is considered typical for this matrix. Elevated recoveries were obtained for several internal standards in this sample group due to interferences from the high native levels of selected analytes in the samples. However, since the quantifications of the native 2,3,7,8-substituted isomers were based on isotope dilution, the data were automatically corrected for variation in recovery and accurate values were obtained.

Several samples were found to contain compounds which interfere with the determination of co-eluting PCDD and PCDF isomers. Any affected 2,3,7,8-substituted isomers are flagged "E" or "I" on the data summary sheets.

All of the samples were diluted to bring selected analytes on scale. Several samples contained levels of selected PCDD isomers that saturated the detector after dilution and are flagged "S" on the data summary sheets. It should be noted that, due to the high native analyte levels in the extracts, the end of day calibration associated with the secondary dilution analyses (flagged N2) exhibited responses for selected analytes (native OCDF and labeled 1,2,3,4,7,8,9-HpCDD and OCDD) that were outside the target ranges for these compounds. Normally, when outside the target range, the response factors from the continuing calibration analyses are averaged to generate the response factor to be used for sample calculations. However, in this case, we felt that the results generated using the initial and starting calibration results provide a more accurate representation of sample levels.

A laboratory method blank was prepared and analyzed with the sample batch as part of our routine quality control procedures. The results, found at the beginning of Appendix B, show the blank to contain trace levels of selected PCDD and PCDF isomers. The samples contained these isomers at levels 3-5 orders of magnitude higher than seen in the blank. In general, levels less than ten times the background are not considered statistically different from the background. This indicates that the sample processing procedures did not significantly impact the results of the analyses.

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REPORT OF: CHEMICAL ANALYSES

PROJECT: PCDD/PCDF ANALYSES **DATE:** April 16, 2001

 REPORT NO: 01-1042936

DISCUSSION (Cont.)

Laboratory and matrix spike samples were also prepared with the sample batch using sand or sample material that had been fortified with native standard materials. The results show that, with the exception of the analytes present in the material used for the matrix spikes, the spiked native compounds were recovered at 100-109%. The relative percent differences for the matrix spikes ranged from 0.6-22.2%. This indicates high degrees of accuracy and precision for these determinations. It should be noted that the labeled OCDD internal standard in both matrix spike samples were recovered slightly above the target limits for this method and are flagged "P" on the data summary sheets.

REMARKS

The sample extracts will be retained for a period of 30 days from the date of this report and then discarded unless other arrangements are made. The raw mass spectral data will be archived on magnetic tape for a period of not less than one year. Questions regarding the data contained in this report may be directed to the authors at the numbers provided below.

Pace Analytical Services, Inc.

Charles V. Sueper, Technical Director
High Resolution Mass Spectrometry
(612) 607-6387

Scott C. Unze
Project Manager, Dioxins
(612) 607-6383

REPORT OF LABORATORY ANALYSIS

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TABLE 1. Spike Levels of PCDD/PCDF Standards

Internal Standards	Spike Level (ng)
2,3,7,8-TCDF-$^{13}C_{12}$	2.0
2,3,7,8-TCDD-$^{13}C_{12}$	2.0
1,2,3,7,8-PeCDF-$^{13}C_{12}$	2.0
2,3,4,7,8-PeCDF-$^{13}C_{12}$	2.0
1,2,3,7,8-PeCDD-$^{13}C_{12}$	2.0
1,2,3,4,7,8-HxCDF-$^{13}C_{12}$	2.0
1,2,3,6,7,8-HxCDF-$^{13}C_{12}$	2.0
1,2,3,7,8,9-HxCDF-$^{13}C_{12}$	2.0
2,3,4,6,7,8-HxCDF-$^{13}C_{12}$	2.0
1,2,3,4,7,8-HxCDD-$^{13}C_{12}$	2.0
1,2,3,6,7,8-HxCDD-$^{13}C_{12}$	2.0
1,2,3,4,6,7,8-HpCDF-$^{13}C_{12}$	2.0
1,2,3,4,7,8,9-HpCDF-$^{13}C_{12}$	2.0
1,2,3,4,6,7,8-HpCDD-$^{13}C_{12}$	2.0
OCDD-$^{13}C_{12}$	4.0
Recovery Standards	
1,2,3,4-TCDD-$^{13}C_{12}$	2.0
1,2,3,7,8,9-HxCDD-$^{13}C_{12}$	2.0
Enrichment Efficiency Standard	
2,3,7,8-TCDD-$^{37}Cl_4$	0.2

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TABLE 2. High Resolution PCDD/PCDF Analyses
HRGC/HRMS Operating Parameters

Mass Resolution	10,000-11,000 (M/ΔM, 10% valley)
Electron Energy	32 electron volts
Accelerating Voltage	8,000 volts
Source Temperature	275°C
Preamplifier Gain	10^{-6} amp/volt
Multiplier Gain	~10^5
Chromatographic Column	60 M DB-5MS
Transfer Line Temperature	260°C
Injection Mode	Splitless
Carrier Gas	Helium
Carrier Flow Velocity	~30 cm/sec

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TABLE 3. Exact Ion Masses Monitored for the Determination of PCDDs, PCDFs, and PCDEs

Compound	Accurate Mass Mass 1	Mass 2	Theoretical Ratio Mass 1/Mass 2
Tetra-CDDs	319.8965	321.8936	0.77
Tetra-CDFs	303.9016	305.8987	0.77
Hexa-CDPEs	375.8364		
Penta-CDDs	355.8546	357.8517	1.54
Penta-CDFs	339.8597	341.8567	1.54
Hepta-CDPEs	409.7974		
Hexa-CDDs	389.8156	391.8127	1.23
Hexa-CDFs	373.8207	375.8178	1.23
Octa-CDPEs	445.7555		
Hepta-CDDs	423.7766	425.7737	1.03
Hepta-CDFs	407.7817	409.7788	1.03
Nona-CDPEs	479.7165		
Octa-CDD	457.7377	459.7347	0.88
Octa-CDF	441.7428	443.7398	0.88
Deca-CDPE	513.6775		

CDDs = Chlorinated Dibenzo-p-dioxins
CDFs = Chlorinated Dibenzofurans
CDPEs = Chlorinated Diphenylethers

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TABLE 4. High Resolution Calibration Solutions

	Concentration (pg/uL)				
Native CDDs/CDFs	**CS1**	**CS2**	**CS3**	**CS4**	**CS5**
2,3,7,8-TCDD	0.5	2	10	40	200
2,3,7,8 TCDF	0.5	2	10	40	200
1,2,3,7,8-PeCDD	2.5	10	50	200	1000
1,2,3,7,8-PeCDF	2.5	10	50	200	1000
2,3,4,7,8-PeCDF	2.5	10	50	200	1000
1,2,3,4,7,8-HxCDD	2.5	10	50	200	1000
1,2,3,6,7,8-HxCDD	2.5	10	50	200	1000
1,2,3,7,8,9-HxCDD	2.5	10	50	200	1000
1,2,3,4,7,8-HxCDF	2.5	10	50	200	1000
1,2,3,6,7,8-HxCDF	2.5	10	50	200	1000
1,2,3,7,8,9-HxCDF	2.5	10	50	200	1000
2,3,4,6,7,8-HxCDF	2.5	10	50	200	1000
1,2,3,4,6,7,8-HpCDD	2.5	10	50	200	1000
1,2,3,4,6,7,8-HpCDF	2.5	10	50	200	1000
1,2,3,4,7,8,9-HpCDF	2.5	10	50	200	1000
OCDD	5.0	20	100	400	2000
OCDF	5.0	20	100	400	2000
Internal Standards					
2,3,7,8-TCDD-$^{13}C_{12}$	100	100	100	100	100
2,3,7,8-TCDF-$^{13}C_{12}$	100	100	100	100	100
1,2,3,7,8-PeCDD-$^{13}C_{12}$	100	100	100	100	100
1,2,3,7,8-PeCDF-$^{13}C_{12}$	100	100	100	100	100
2,3,4,7,8-PeCDF-$^{13}C_{12}$	100	100	100	100	100
1,2,3,4,7,8-HxCDD-$^{13}C_{12}$	100	100	100	100	100
1,2,3,6,7,8-HxCDD-$^{13}C_{12}$	100	100	100	100	100
1,2,3,4,7,8-HxCDF-$^{13}C_{12}$	100	100	100	100	100
1,2,3,6,7,8-HxCDF-$^{13}C_{12}$	100	100	100	100	100
1,2,3,7,8,9-HxCDF-$^{13}C_{12}$	100	100	100	100	100
2,3,4,6,7,8-HxCDF-$^{13}C_{12}$	100	100	100	100	100
1,2,3,4,6,7,8-HpCDD-$^{13}C_{12}$	100	100	100	100	100
1,2,3,4,6,7,8-HpCDF-$^{13}C_{12}$	100	100	100	100	100
1,2,3,4,7,8,9-HpCDF-$^{13}C_{12}$	100	100	100	100	100
OCDD-$^{13}C_{12}$	200	200	200	200	200
Recovery Standards					
1,2,3,4-TCDD-$^{13}C_{12}$	100	100	100	100	100
1,2,3,7,8,9-HxCDD-$^{13}C_{12}$	100	100	100	100	100
Enrichment Efficiency Standard					
2,3,7,8-TCDD-$^{37}C1_4$	0.5	2	10	40	200

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TABLE 5. 2,3,7,8-TCDD Equivalency Factors (TEFs) for the Polychlorinated Dibenzo-p-dioxins and Dibenzofurans

Number	Compound(s)	TEF
1	2,3,7,8-TCDD	1.00
2	1,2,3,7,8-PeCDD	0.50
3	1,2,3,6,7,8-HxCDD	0.1
4	1,2,3,7,8,9-HxCDD	0.1
5	1,2,3,4,7,8-HxCDD	0.1
6	1,2,3,4,6,7,8-HpCDD	0.01
7	OCDD	0.001
8	* Total - TCDD	0.0
9	* Total - PeCDD	0.0
10	* Total - HxCDD	0.0
11	* Total - HpCDD	0.0
12	2,3,7,8-TCDF	0.10
13	1,2,3,7,8-PeCDF	0.05
14	2,3,4,7,8-PeCDF	0.5
15	1,2,3,6,7,8-HxCDF	0.1
16	1,2,3,7,8,9-HxCDF	0.1
17	1,2,3,4,7,8-HxCDF	0.1
18	2,3,4,6,7,8-HxCDF	0.1
19	1,2,3,4,6,7,8-HpCDF	0.01
20	1,2,3,4,7,8,9-HpCDF	0.01
21	OCDF	0.001
22	* Total - TCDF	0.0
23	* Total - PeCDF	0.0
24	* Total - HxCDF	0.0
25	* Total - HpCDF	0.0

*Excluding the 2,3,7,8-substituted congeners.

Reference: 1989 ITEFs

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Appendix A

REPORT OF LABORATORY ANALYSIS

Pace Analytical

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

573262

Page: 1 of 1

Required Client Information: **Section A**

Company: STREBOR
Address: 2305 Superior Ave
Kalamazoo, MI 49001
Phone: 616-381-1100 Fax: 616-381-2207

Required Client Information: **Section B**

Report To: ERIKA SCHLICHT (Bay West)
Invoice To: Bay West, Inc.
P.O.: 126646
Project Name: Strebor
Project Number: J990088

Client Information (Check quote/contract):
Requested Due Date: RUSH *TAT:

* Turn around times less than 14 days subject to laboratory and contractual obligations and may result in a Rush Turnaround Surcharge.
Turn Around Time (TAT) in calendar days.

To Be Completed by Pace Analytical and Client **Section C**

Quote Reference:
Project Manager: SCU
Project #: 1042936
Profile #:

Section D **Required** Client Information:

Valid Matrix Codes

MATRIX	CODE
WATER	WT
SOIL	SL
OIL	OL
WIPE	WP
AIR	AR
TISSUE	TS
OTHER	OT

ITEM #	SAMPLE ID (One character per box. (A–Z, 0–9 / .–) Sample IDs MUST BE UNIQUE)	MATRIX CODE	DATE COLLECTED mm / dd / yy	TIME COLLECTED hh:mm a/p	# Containers	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Requested Analysis: Dioxin/Furan-8290	Remarks / Lab ID
1	PE-1	SL	3/14/01	14:15	1	✓						✓	2630159
2	PE-2	SL	3/15/01	09:20	1	✓						✓	167
3	PE-3	SL	3/15/01	09:50	1	✓						✓	175
4	PE-5	SL	3/20/01	08:55	1	✓						✓	183
5	PE-6	SL	3/20/01	09:20	1	✓						✓	191
6	PE-7	SL	3/20/01	09:55	1	✓						✓	209
7	PE-8	SL	3/21/01	14:25	1	✓						✓	217
8	DUP-1	SL	3/21/01		1	✓						✓	225
9	PE-9	SL	3/23/01	13:25	1	✓						✓	233
10													
11													
12													

Sample Condition		Sample Notes	Item No.	Relinquished By / Company	Date	Time	Accepted By / Company	Date	Time
Temp in °C:	10.0			Erika Schlicht / Bay West	3/23/01	14:00		3/23/01	14:00
Received on ICE:	(Y) / N				3/26/01	15:30	Bryan Curtis / PGC	3/27	1430
Sealed Cooler:	Y / (N)								
Samples Intact:	(Y) / N								

Additional Comments:

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: ERIKA SCHLICHT
SIGNATURE of SAMPLER: Erika Schlicht
DATE Signed: (MM / DD / YY) 3/23/01

SEE REVERSE SIDE FOR INSTRUCTIONS

ORIGINAL

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Appendix B

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612- 607-6444

Pace Analytical™

Method 8290 Blank Analysis Results

Client - BAYWEST

Lab Sample ID	BLANK-1055	Matrix	SOLID
Filename	F10411A_6	Dilution	NA
Total Amount Extracted	10.09 g	Extracted	04/02/2001
ICAL Date	03/01/2001	Analyzed	04/11/2001 13:23
CCal Filename(s)	F10411A_3 & F10411A_17	Injected By	MASB

Native Isomers	Conc ng/Kg	EMPC ng/Kg	LOD ng/Kg		Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	ND	-----	0.110		2,3,7,8-TCDF-13C	2.00	84
Total TCDF	ND	-----	0.110		2,3,7,8-TCDD-13C	2.00	78
					1,2,3,7,8-PeCDF-13C	2.00	94
2,3,7,8-TCDD	ND	-----	0.073		2,3,4,7,8-PeCDF-13C	2.00	94
Total TCDD	ND	-----	0.073		1,2,3,7,8-PeCDD-13C	2.00	89
					1,2,3,4,7,8-HxCDF-13C	2.00	93
1,2,3,7,8-PeCDF	ND	-----	0.083		1,2,3,6,7,8-HxCDF-13C	2.00	101
2,3,4,7,8-PeCDF	ND	-----	0.073		2,3,4,6,7,8-HxCDF-13C	2.00	100
Total PeCDF	ND	-----	0.078		1,2,3,7,8,9-HxCDF-13C	2.00	95
					1,2,3,4,7,8-HxCDD-13C	2.00	100
1,2,3,7,8-PeCDD	ND	-----	0.120		1,2,3,6,7,8-HxCDD-13C	2.00	96
Total PeCDD	ND	-----	0.120		1,2,3,4,6,7,8-HpCDF-13C	2.00	95
					1,2,3,4,7,8,9-HpCDF-13C	2.00	88
1,2,3,4,7,8-HxCDF	ND	-----	0.098		1,2,3,4,6,7,8-HpCDD-13C	2.00	94
1,2,3,6,7,8-HxCDF	ND	-----	0.056		OCDD-13C	4.00	94
2,3,4,6,7,8-HxCDF	ND	-----	0.068				
1,2,3,7,8,9-HxCDF	ND	-----	0.048		1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	0.10	-----	0.067	J	1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	ND	-----	0.110		2,3,7,8-TCDD-37Cl4	0.20	87
1,2,3,6,7,8-HxCDD	ND	-----	0.110				
1,2,3,7,8,9-HxCDD	ND	-----	0.076				
Total HxCDD	ND	-----	0.098				
1,2,3,4,6,7,8-HpCDF	0.21	-----	0.055	J	Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	ND	-----	0.082		Equivalence: 0.0073 ng/Kg		
Total HpCDF	0.37	-----	0.069	J	(Using ITE Factors		
1,2,3,4,6,7,8-HpCDD	-----	0.44	0.065	I			
Total HpCDD	ND	-----	0.065				
OCDF	0.62	-----	0.120	J			
OCDD	4.50	-----	0.092	J			

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
LOD = Limit of Detection
J = Concentration detected is below the calibration range
P = Recovery outside of target range
I = Interference
E = PCDE Interference
ND = Not Detected
NA = Not Applicable
NC = Not Calculated

Report No.....01-1042936

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612- 607-6444

Pace Analytical™

Method 8290 Analysis Results

Client - BAYWEST

Client's Sample ID	PE-1		
Lab Sample ID	2630159		
Filename	U10409A_09		
Injected By	CVS		
Total Amount Extracted	11.88 g	Matrix	SOIL
% Moisture	13.8	Dilution	20
Dry Weight Extracted	10.2 g	Collected	03/14/2001
ICAL Date	03/16/2001	Received	03/27/2001
CCal Filename(s)	U10409A_01 & U10409A_15	Extracted	04/02/2001
Method Blank ID	BLANK-1055	Analyzed	04/09/2001 18:11

Native Isomers	Conc ng/Kg	EMPC ng/Kg	LOD ng/Kg		Internal Standards	ng's Added	Percent Recovery	
2,3,7,8-TCDF	3.1	-----	2.60	J	2,3,7,8-TCDF-13C	2.00	79	
Total TCDF	23.0	-----	2.60		2,3,7,8-TCDD-13C	2.00	93	
					1,2,3,7,8-PeCDF-13C	2.00	84	
2,3,7,8-TCDD	8.3	-----	2.40	J	2,3,4,7,8-PeCDF-13C	2.00	78	
Total TCDD	44.0	-----	2.40		1,2,3,7,8-PeCDD-13C	2.00	82	
					1,2,3,4,7,8-HxCDF-13C	2.00	111	
1,2,3,7,8-PeCDF	ND	-----	3.10		1,2,3,6,7,8-HxCDF-13C	2.00	111	
2,3,4,7,8-PeCDF	12.0	-----	3.00	J	2,3,4,6,7,8-HxCDF-13C	2.00	106	
Total PeCDF	190.0	-----	3.00		1,2,3,7,8,9-HxCDF-13C	2.00	106	
					1,2,3,4,7,8-HxCDD-13C	2.00	100	
1,2,3,7,8-PeCDD	13.0	-----	2.10	J	1,2,3,6,7,8-HxCDD-13C	2.00	111	
Total PeCDD	400.0	-----	2.10		1,2,3,4,6,7,8-HpCDF-13C	2.00	110	
					1,2,3,4,7,8,9-HpCDF-13C	2.00	122	
1,2,3,4,7,8-HxCDF	21.0	-----	1.20	J	1,2,3,4,6,7,8-HpCDD-13C	2.00	141	P
1,2,3,6,7,8-HxCDF	12.0	-----	4.10	J	OCDD-13C	4.00	176	IP
2,3,4,6,7,8-HxCDF	17.0	-----	0.95	J				
1,2,3,7,8,9-HxCDF	5.8	-----	0.98	J	1,2,3,4-TCDD-13C	2.00	NA	
Total HxCDF	250.0	-----	1.80		1,2,3,7,8,9-HxCDD-13C	2.00	NA	
1,2,3,4,7,8-HxCDD	10.0	-----	1.10	J	2,3,7,8-TCDD-37Cl4	0.20	93	
1,2,3,6,7,8-HxCDD	90.0	-----	3.40	J				
1,2,3,7,8,9-HxCDD	31.0	-----	1.50	J				
Total HxCDD	2400.0	-----	2.00					
1,2,3,4,6,7,8-HpCDF	560.0	-----	3.20		Total 2,3,7,8-TCDD			
1,2,3,4,7,8,9-HpCDF	30.0	-----	13.00	J	Equivalence: 120 ng/Kg			
Total HpCDF	1400.0	-----	7.90		(Using ITE Factors			
1,2,3,4,6,7,8-HpCDD	2700.0	-----	12.00					
Total HpCDD	7300.0	-----	12.00					
OCDF	1600.0	-----	1.90					
OCDD	47000.0	-----	2.10					

Results reported on a dry weight basis

Conc = Concentration (Totals include 2,3,7,8-substituted isomers)
EMPC = Estimated Maximum Possible Concentration
LOD = Limit of Detection
J = Concentration detected is below the calibration range
B = Less than 10 times higher than method blank level
P = Recovery outside of target range
Nn = Value obtained from additional analysis

I = Interference
E = PCDE Interference
S = Saturated signal
ND = Not Detected
NA = Not Applicable
NC = Not Calculated

Report No.....01-1042936

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612- 607-6444

Method 8290 Analysis Results

Client - BAYWEST

Client's Sample ID	PE-2		
Lab Sample ID	2630167		
Filename	V10409D		
Injected By	MCH		
Total Amount Extracted	11.82 g	Matrix	SOIL
% Moisture	13.7	Dilution	10
Dry Weight Extracted	10.2 g	Collected	03/15/2001
ICAL Date	01/25/2001	Received	03/27/2001
CCal Filename(s)	V10409A & V10409J	Extracted	04/02/2001
Method Blank ID	BLANK-1055	Analyzed	04/09/2001 09:51

Native Isomers	Conc ng/Kg	EMPC ng/Kg	LOD ng/Kg		Internal Standards	ng's Added	Percent Recovery	
2,3,7,8-TCDF	18	-----	12.0		2,3,7,8-TCDF-13C	2.00	71	
Total TCDF	400	-----	12.0		2,3,7,8-TCDD-13C	2.00	60	
					1,2,3,7,8-PeCDF-13C	2.00	64	
2,3,7,8-TCDD	ND	-----	11.0		2,3,4,7,8-PeCDF-13C	2.00	67	
Total TCDD	58	-----	11.0		1,2,3,7,8-PeCDD-13C	2.00	72	
					1,2,3,4,7,8-HxCDF-13C	2.00	74	
1,2,3,7,8-PeCDF	ND	-----	12.0		1,2,3,6,7,8-HxCDF-13C	2.00	64	
2,3,4,7,8-PeCDF	150	-----	10.0		2,3,4,6,7,8-HxCDF-13C	2.00	70	
Total PeCDF	1400	-----	11.0		1,2,3,7,8,9-HxCDF-13C	2.00	70	
					1,2,3,4,7,8-HxCDD-13C	2.00	94	
1,2,3,7,8-PeCDD	68	-----	11.0		1,2,3,6,7,8-HxCDD-13C	2.00	80	
Total PeCDD	470	-----	11.0		1,2,3,4,6,7,8-HpCDF-13C	2.00	85	
					1,2,3,4,7,8,9-HpCDF-13C	2.00	84	
1,2,3,4,7,8-HxCDF	210	-----	10.0		1,2,3,4,6,7,8-HpCDD-13C	2.00	119	
1,2,3,6,7,8-HxCDF	180	-----	9.3		OCDD-13C	4.00	158	P
2,3,4,6,7,8-HxCDF	290	-----	4.1					
1,2,3,7,8,9-HxCDF	-----	67	5.7	I	1,2,3,4-TCDD-13C	2.00	NA	
Total HxCDF	7700	-----	7.4		1,2,3,7,8,9-HxCDD-13C	2.00	NA	
1,2,3,4,7,8-HxCDD	160	-----	8.6		2,3,7,8-TCDD-37Cl4	0.20	84	
1,2,3,6,7,8-HxCDD	1100	-----	6.9					
1,2,3,7,8,9-HxCDD	370	-----	8.3					
Total HxCDD	5900	-----	7.9					
1,2,3,4,6,7,8-HpCDF	8100	-----	7.3		Total 2,3,7,8-TCDD			
1,2,3,4,7,8,9-HpCDF	430	-----	9.9		Equivalence: 1000 ng/Kg			
Total HpCDF	27000	-----	8.6		(Using ITE Factors			
1,2,3,4,6,7,8-HpCDD	38000	-----	4.2					
Total HpCDD	66000	-----	4.2					
OCDF	18000	-----	6.4					
OCDD	180000	-----	5.3	S				

Results reported on a dry weight basis

Conc = Concentration (Totals include 2,3,7,8-substituted isomers)
EMPC = Estimated Maximum Possible Concentration
LOD = Limit of Detection
J = Concentration detected is below the calibration range
B = Less than 10 times higher than method blank level
P = Recovery outside of target range
Nn = Value obtained from additional analysis

I = Interference
E = PCDE Interference
S = Saturated signal
ND = Not Detected
NA = Not Applicable
NC = Not Calculated

Report No.....01-1042936

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612- 607-6444

Pace Analytical™

Method 8290 Analysis Results

Client - BAYWEST

Client's Sample ID	PE-3		
Lab Sample ID	2630175		
Filename	V10409E		
Injected By	MCH		
Total Amount Extracted	11.38 g	Matrix	SOIL
% Moisture	11.7	Dilution	10
Dry Weight Extracted	10.0 g	Collected	03/15/2001
ICAL Date	01/25/2001	Received	03/27/2001
CCal Filename(s)	V10409A & V10409J	Extracted	04/02/2001
Method Blank ID	BLANK-1055	Analyzed	04/09/2001 10:59

Native Isomers	Conc ng/Kg	EMPC ng/Kg	LOD ng/Kg		Internal Standards	ng's Added	Percent Recovery	
2,3,7,8-TCDF	12	-----	6.6		2,3,7,8-TCDF-13C	2.00	62	
Total TCDF	210	-----	6.6		2,3,7,8-TCDD-13C	2.00	82	
					1,2,3,7,8-PeCDF-13C	2.00	57	
2,3,7,8-TCDD	36	-----	5.1		2,3,4,7,8-PeCDF-13C	2.00	63	
Total TCDD	75	-----	5.1		1,2,3,7,8-PeCDD-13C	2.00	66	
					1,2,3,4,7,8-HxCDF-13C	2.00	72	
1,2,3,7,8-PeCDF	ND	-----	8.9		1,2,3,6,7,8-HxCDF-13C	2.00	64	
2,3,4,7,8-PeCDF	120	-----	12.0		2,3,4,6,7,8-HxCDF-13C	2.00	69	
Total PeCDF	1300	-----	11.0		1,2,3,7,8,9-HxCDF-13C	2.00	72	
					1,2,3,4,7,8-HxCDD-13C	2.00	111	
1,2,3,7,8-PeCDD	67	-----	6.5		1,2,3,6,7,8-HxCDD-13C	2.00	81	
Total PeCDD	470	-----	6.5		1,2,3,4,6,7,8-HpCDF-13C	2.00	90	
					1,2,3,4,7,8,9-HpCDF-13C	2.00	78	
1,2,3,4,7,8-HxCDF	220	-----	5.8		1,2,3,4,6,7,8-HpCDD-13C	2.00	128	
1,2,3,6,7,8-HxCDF	270	-----	6.0		OCDD-13C	4.00	179	P
2,3,4,6,7,8-HxCDF	290	-----	8.3					
1,2,3,7,8,9-HxCDF	55	-----	5.2		1,2,3,4-TCDD-13C	2.00	NA	
Total HxCDF	7600	-----	6.3		1,2,3,7,8,9-HxCDD-13C	2.00	NA	
1,2,3,4,7,8-HxCDD	160	-----	13.0		2,3,7,8-TCDD-37Cl4	0.20	86	
1,2,3,6,7,8-HxCDD	930	-----	11.0					
1,2,3,7,8,9-HxCDD	290	-----	8.8					
Total HxCDD	4900	-----	11.0					
1,2,3,4,6,7,8-HpCDF	8800	-----	4.7		Total 2,3,7,8-TCDD			
1,2,3,4,7,8,9-HpCDF	440	-----	11.0		Equivalence: 920 ng/Kg			
Total HpCDF	29000	-----	8.0		(Using ITE Factors			
1,2,3,4,6,7,8-HpCDD	30000	-----	4.6					
Total HpCDD	51000	-----	4.6					
OCDF	19000	-----	2.5					
OCDD	150000	-----	4.5	S				

Results reported on a dry weight basis

Conc = Concentration (Totals include 2,3,7,8-substituted isomers)
EMPC = Estimated Maximum Possible Concentration
LOD = Limit of Detection
J = Concentration detected is below the calibration range
B = Less than 10 times higher than method blank level
P = Recovery outside of target range
Nn = Value obtained from additional analysis

I = Interference
E = PCDE Interference
S = Saturated signal
ND = Not Detected
NA = Not Applicable
NC = Not Calculated

Report No.....01-1042936

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612- 607-6444

Pace Analytical™

Method 8290 Analysis Results

Client - BAYWEST

Client's Sample ID	PE-5		
Lab Sample ID	2630183		
Filename	U10409A_10		
Injected By	CVS		
Total Amount Extracted	13.64 g	Matrix	SOIL
% Moisture	25.4	Dilution	20
Dry Weight Extracted	10.2 g	Collected	03/20/2001
ICAL Date	03/16/2001	Received	03/27/2001
CCal Filename(s)	U10409A_01 & U10409A_15	Extracted	04/02/2001
Method Blank ID	BLANK-1055	Analyzed	04/09/2001 19:01

Native Isomers	Conc ng/Kg	EMPC ng/Kg	LOD ng/Kg		Internal Standards	ng's Added	Percent Recovery	
2,3,7,8-TCDF	5.7	-----	4.4	J	2,3,7,8-TCDF-13C	2.00	67	
Total TCDF	100.0	-----	4.4		2,3,7,8-TCDD-13C	2.00	73	
					1,2,3,7,8-PeCDF-13C	2.00	69	
2,3,7,8-TCDD	19.0	-----	2.8	J	2,3,4,7,8-PeCDF-13C	2.00	63	
Total TCDD	320.0	-----	2.8		1,2,3,7,8-PeCDD-13C	2.00	69	
					1,2,3,4,7,8-HxCDF-13C	2.00	103	
1,2,3,7,8-PeCDF	ND	-----	8.1		1,2,3,6,7,8-HxCDF-13C	2.00	102	
2,3,4,7,8-PeCDF	31.0	-----	1.4	J	2,3,4,6,7,8-HxCDF-13C	2.00	98	
Total PeCDF	920.0	-----	4.8		1,2,3,7,8,9-HxCDF-13C	2.00	93	
					1,2,3,4,7,8-HxCDD-13C	2.00	91	
1,2,3,7,8-PeCDD	32.0	-----	1.9	J	1,2,3,6,7,8-HxCDD-13C	2.00	101	
Total PeCDD	2700.0	-----	1.9		1,2,3,4,6,7,8-HpCDF-13C	2.00	100	
					1,2,3,4,7,8,9-HpCDF-13C	2.00	102	
1,2,3,4,7,8-HxCDF	110.0	-----	6.8		1,2,3,4,6,7,8-HpCDD-13C	2.00	130	
1,2,3,6,7,8-HxCDF	-----	100	1.0	E	OCDD-13C	4.00	105	N2
2,3,4,6,7,8-HxCDF	64.0	-----	1.9	J				
1,2,3,7,8,9-HxCDF	17.0	-----	3.6	J	1,2,3,4-TCDD-13C	2.00	NA	
Total HxCDF	710.0	-----	3.3		1,2,3,7,8,9-HxCDD-13C	2.00	NA	
1,2,3,4,7,8-HxCDD	33.0	-----	1.3	J	2,3,7,8-TCDD-37Cl4	0.20	86	
1,2,3,6,7,8-HxCDD	300.0	-----	6.7					
1,2,3,7,8,9-HxCDD	82.0	-----	3.7	J				
Total HxCDD	16000.0	-----	3.9					
1,2,3,4,6,7,8-HpCDF	2900.0	-----	11.0		Total 2,3,7,8-TCDD			
1,2,3,4,7,8,9-HpCDF	210.0	-----	8.3		Equivalence: 620 ng/Kg			
Total HpCDF	17000.0	-----	9.7		(Using ITE Factors			
1,2,3,4,6,7,8-HpCDD	13000.0	-----	4.4					
Total HpCDD	26000.0	-----	4.4					
OCDF	19000.0	-----	19.0	N2				
OCDD	330000.0	-----	29.0	N2				

Results reported on a dry weight basis

Conc = Concentration (Totals include 2,3,7,8-substituted isomers)
EMPC = Estimated Maximum Possible Concentration
LOD = Limit of Detection
J = Concentration detected is below the calibration range
B = Less than 10 times higher than method blank level
P = Recovery outside of target range
Nn = Value obtained from additional analysis

I = Interference
E = PCDE Interference
S = Saturated signal
ND = Not Detected
NA = Not Applicable
NC = Not Calculated

Report No.....01-1042936

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612- 607-6444

Pace Analytical™

Method 8290 Analysis Results

Client - BAYWEST

Client's Sample ID	PE-6		
Lab Sample ID	2630191		
Filename	U10409A_11		
Injected By	CVS		
Total Amount Extracted	12.37 g	Matrix	SOIL
% Moisture	18.4	Dilution	20
Dry Weight Extracted	10.1 g	Collected	03/20/2001
ICAL Date	03/16/2001	Received	03/27/2001
CCal Filename(s)	U10409A_01 & U10409A_15	Extracted	04/02/2001
Method Blank ID	BLANK-1055	Analyzed	04/09/2001 19:52

Native Isomers	Conc ng/Kg	EMPC ng/Kg	LOD ng/Kg		Internal Standards	ng's Added	Percent Recovery	
2,3,7,8-TCDF	-----	5.9	3.1	I	2,3,7,8-TCDF-13C	2.00	73	
Total TCDF	55	-----	3.1		2,3,7,8-TCDD-13C	2.00	76	
					1,2,3,7,8-PeCDF-13C	2.00	72	
2,3,7,8-TCDD	14	-----	3.0	J	2,3,4,7,8-PeCDF-13C	2.00	68	
Total TCDD	84	-----	3.0		1,2,3,7,8-PeCDD-13C	2.00	70	
					1,2,3,4,7,8-HxCDF-13C	2.00	103	
1,2,3,7,8-PeCDF	ND	-----	2.8		1,2,3,6,7,8-HxCDF-13C	2.00	99	
2,3,4,7,8-PeCDF	23	-----	1.5	J	2,3,4,6,7,8-HxCDF-13C	2.00	96	
Total PeCDF	430	-----	2.2		1,2,3,7,8,9-HxCDF-13C	2.00	95	
					1,2,3,4,7,8-HxCDD-13C	2.00	93	
1,2,3,7,8-PeCDD	18	-----	1.9	J	1,2,3,6,7,8-HxCDD-13C	2.00	102	
Total PeCDD	140	-----	1.9		1,2,3,4,6,7,8-HpCDF-13C	2.00	102	
					1,2,3,4,7,8,9-HpCDF-13C	2.00	106	
1,2,3,4,7,8-HxCDF	41	-----	2.4	J	1,2,3,4,6,7,8-HpCDD-13C	2.00	123	
1,2,3,6,7,8-HxCDF	54	-----	1.2	J	OCDD-13C	4.00	174	IP
2,3,4,6,7,8-HxCDF	59	-----	3.4	J				
1,2,3,7,8,9-HxCDF	13	-----	3.8	J	1,2,3,4-TCDD-13C	2.00	NA	
Total HxCDF	850	-----	2.7		1,2,3,7,8,9-HxCDD-13C	2.00	NA	
1,2,3,4,7,8-HxCDD	36	-----	3.1	J	2,3,7,8-TCDD-37Cl4	0.20	88	
1,2,3,6,7,8-HxCDD	230	-----	3.5					
1,2,3,7,8,9-HxCDD	89	-----	3.2	J				
Total HxCDD	2000	-----	3.3					
1,2,3,4,6,7,8-HpCDF	1600	-----	1.9		Total 2,3,7,8-TCDD			
1,2,3,4,7,8,9-HpCDF	85	-----	2.7	J	Equivalence: 240 ng/Kg			
Total HpCDF	4600	-----	2.3		(Using ITE Factors			
1,2,3,4,6,7,8-HpCDD	6600	-----	6.1					
Total HpCDD	12000	-----	6.1					
OCDF	3500	-----	6.0					
OCDD	66000	-----	3.6					

Results reported on a dry weight basis

Conc = Concentration (Totals include 2,3,7,8-substituted isomers)
EMPC = Estimated Maximum Possible Concentration
LOD = Limit of Detection
J = Concentration detected is below the calibration range
B = Less than 10 times higher than method blank level
P = Recovery outside of target range
Nn = Value obtained from additional analysis

I = Interference
E = PCDE Interference
S = Saturated signal
ND = Not Detected
NA = Not Applicable
NC = Not Calculated

Report No.....01-1042936

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612- 607-6444

Pace Analytical™

Method 8290 Analysis Results

Client - BAYWEST

Client's Sample ID	PE-7		
Lab Sample ID	2630209		
Filename	V10409F		
Injected By	MCH		
Total Amount Extracted	12.08 g	Matrix	SOIL
% Moisture	14.7	Dilution	10
Dry Weight Extracted	10.3 g	Collected	03/20/2001
ICAL Date	01/25/2001	Received	03/27/2001
CCal Filename(s)	V10409A & V10409J	Extracted	04/02/2001
Method Blank ID	BLANK-1055	Analyzed	04/09/2001 12:15

Native Isomers	Conc ng/Kg	EMPC ng/Kg	LOD ng/Kg		Internal Standards	ng's Added	Percent Recovery	
2,3,7,8-TCDF	18	-----	5.6		2,3,7,8-TCDF-13C	2.00	63	
Total TCDF	560	-----	5.6		2,3,7,8-TCDD-13C	2.00	77	
					1,2,3,7,8-PeCDF-13C	2.00	50	
2,3,7,8-TCDD	18	-----	4.4		2,3,4,7,8-PeCDF-13C	2.00	57	
Total TCDD	110	-----	4.4		1,2,3,7,8-PeCDD-13C	2.00	71	
					1,2,3,4,7,8-HxCDF-13C	2.00	78	
1,2,3,7,8-PeCDF	96	-----	8.0		1,2,3,6,7,8-HxCDF-13C	2.00	76	
2,3,4,7,8-PeCDF	230	-----	9.2		2,3,4,6,7,8-HxCDF-13C	2.00	73	
Total PeCDF	5800	-----	8.6		1,2,3,7,8,9-HxCDF-13C	2.00	63	
					1,2,3,4,7,8-HxCDD-13C	2.00	114	
1,2,3,7,8-PeCDD	170	-----	9.8		1,2,3,6,7,8-HxCDD-13C	2.00	95	
Total PeCDD	1100	-----	9.8		1,2,3,4,6,7,8-HpCDF-13C	2.00	101	
					1,2,3,4,7,8,9-HpCDF-13C	2.00	79	
1,2,3,4,7,8-HxCDF	860	-----	4.1		1,2,3,4,6,7,8-HpCDD-13C	2.00	170	P
1,2,3,6,7,8-HxCDF	710	-----	4.3		OCDD-13C	4.00	214	IP
2,3,4,6,7,8-HxCDF	950	-----	7.0					
1,2,3,7,8,9-HxCDF	81	-----	6.1		1,2,3,4-TCDD-13C	2.00	NA	
Total HxCDF	17000	-----	5.3		1,2,3,7,8,9-HxCDD-13C	2.00	NA	
1,2,3,4,7,8-HxCDD	760	-----	7.2		2,3,7,8-TCDD-37Cl4	0.20	91	
1,2,3,6,7,8-HxCDD	2500	-----	2.8					
1,2,3,7,8,9-HxCDD	1300	-----	10.0					
Total HxCDD	14000	-----	6.8					
1,2,3,4,6,7,8-HpCDF	18000	-----	5.0		Total 2,3,7,8-TCDD			
1,2,3,4,7,8,9-HpCDF	920	-----	7.6		Equivalence: 2300 ng/Kg			
Total HpCDF	46000	-----	6.3		(Using ITE Factors			
1,2,3,4,6,7,8-HpCDD	95000	-----	2.5	S				
Total HpCDD	140000	-----	2.5					
OCDF	27000	-----	4.3					
OCDD	170000	-----	2.9	S				

Results reported on a dry weight basis

Conc = Concentration (Totals include 2,3,7,8-substituted isomers)
EMPC = Estimated Maximum Possible Concentration
LOD = Limit of Detection
J = Concentration detected is below the calibration range
B = Less than 10 times higher than method blank level
P = Recovery outside of target range
Nn = Value obtained from additional analysis

I = Interference
E = PCDE Interference
S = Saturated signal
ND = Not Detected
NA = Not Applicable
NC = Not Calculated

Report No.....01-1042936

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612- 607-6444

Method 8290 Analysis Results

Client - BAYWEST

Client's Sample ID	PE-8		
Lab Sample ID	2630217		
Filename	U10409A_12		
Injected By	CVS		
Total Amount Extracted	12.96 g	Matrix	SOIL
% Moisture	22.7	Dilution	20
Dry Weight Extracted	10.0 g	Collected	03/21/2001
ICAL Date	03/16/2001	Received	03/27/2001
CCal Filename(s)	U10409A_01 & U10409A_15	Extracted	04/02/2001
Method Blank ID	BLANK-1055	Analyzed	04/09/2001 20:42

Native Isomers	Conc ng/Kg	EMPC ng/Kg	LOD ng/Kg		Internal Standards	ng's Added	Percent Recovery	
2,3,7,8-TCDF	-----	12	2.6	I	2,3,7,8-TCDF-13C	2.00	72	
Total TCDF	280	-----	2.6		2,3,7,8-TCDD-13C	2.00	74	
					1,2,3,7,8-PeCDF-13C	2.00	70	
2,3,7,8-TCDD	14	-----	3.5	J	2,3,4,7,8-PeCDF-13C	2.00	65	
Total TCDD	190	-----	3.5		1,2,3,7,8-PeCDD-13C	2.00	70	
					1,2,3,4,7,8-HxCDF-13C	2.00	102	
1,2,3,7,8-PeCDF	-----	16	11.0	I	1,2,3,6,7,8-HxCDF-13C	2.00	105	
2,3,4,7,8-PeCDF	90	-----	3.2	J	2,3,4,6,7,8-HxCDF-13C	2.00	99	
Total PeCDF	2400	-----	7.1		1,2,3,7,8,9-HxCDF-13C	2.00	95	
					1,2,3,4,7,8-HxCDD-13C	2.00	93	
1,2,3,7,8-PeCDD	71	-----	3.1	J	1,2,3,6,7,8-HxCDD-13C	2.00	107	
Total PeCDD	1200	-----	3.1		1,2,3,4,6,7,8-HpCDF-13C	2.00	113	
					1,2,3,4,7,8,9-HpCDF-13C	2.00	109	
1,2,3,4,7,8-HxCDF	250	-----	4.8		1,2,3,4,6,7,8-HpCDD-13C	2.00	115	N2
1,2,3,6,7,8-HxCDF	-----	290	9.1	E	OCDD-13C	4.00	118	N2
2,3,4,6,7,8-HxCDF	300	-----	3.9					
1,2,3,7,8,9-HxCDF	41	-----	7.6	J	1,2,3,4-TCDD-13C	2.00	NA	
Total HxCDF	3900	-----	6.4		1,2,3,7,8,9-HxCDD-13C	2.00	NA	
1,2,3,4,7,8-HxCDD	250	-----	4.4		2,3,7,8-TCDD-37Cl4	0.20	80	
1,2,3,6,7,8-HxCDD	960	-----	7.8					
1,2,3,7,8,9-HxCDD	500	-----	4.0					
Total HxCDD	7500	-----	5.4					
1,2,3,4,6,7,8-HpCDF	6400	-----	3.0		Total 2,3,7,8-TCDD			
1,2,3,4,7,8,9-HpCDF	420	-----	14.0		Equivalence: 1100 ng/Kg			
Total HpCDF	18000	-----	8.6		(Using ITE Factors			
1,2,3,4,6,7,8-HpCDD	33000	-----	23.0	N2				
Total HpCDD	54000	-----	23.0	N2				
OCDF	14000	-----	20.0	N2				
OCDD	390000	-----	13.0	N2				

Results reported on a dry weight basis

Conc = Concentration (Totals include 2,3,7,8-substituted isomers)
EMPC = Estimated Maximum Possible Concentration
LOD = Limit of Detection
J = Concentration detected is below the calibration range
B = Less than 10 times higher than method blank level
P = Recovery outside of target range
Nn = Value obtained from additional analysis

I = Interference
E = PCDE Interference
S = Saturated signal
ND = Not Detected
NA = Not Applicable
NC = Not Calculated

Report No.....01-1042936

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612- 607-6444

Pace Analytical™

Method 8290 Analysis Results

Client - BAYWEST

Client's Sample ID	DUP-1		
Lab Sample ID	2630225		
Filename	V10409G		
Injected By	MASB		
Total Amount Extracted	12.83 g	Matrix	SOIL
% Moisture	20.3	Dilution	10
Dry Weight Extracted	10.2 g	Collected	03/21/2001
ICAL Date	01/25/2001	Received	03/27/2001
CCal Filename(s)	V10409A & V10409J	Extracted	04/02/2001
Method Blank ID	BLANK-1055	Analyzed	04/09/2001 13:38

Native Isomers	Conc ng/Kg	EMPC ng/Kg	LOD ng/Kg		Internal Standards	ng's Added	Percent Recovery	
2,3,7,8-TCDF	16	-----	7.8		2,3,7,8-TCDF-13C	2.00	68	
Total TCDF	1000	-----	7.8		2,3,7,8-TCDD-13C	2.00	83	
					1,2,3,7,8-PeCDF-13C	2.00	53	
2,3,7,8-TCDD	ND	-----	20.0		2,3,4,7,8-PeCDF-13C	2.00	49	
Total TCDD	130	-----	20.0		1,2,3,7,8-PeCDD-13C	2.00	57	
					1,2,3,4,7,8-HxCDF-13C	2.00	96	
1,2,3,7,8-PeCDF	47	-----	17.0	J	1,2,3,6,7,8-HxCDF-13C	2.00	78	
2,3,4,7,8-PeCDF	190	-----	23.0		2,3,4,6,7,8-HxCDF-13C	2.00	83	
Total PeCDF	5900	-----	20.0		1,2,3,7,8,9-HxCDF-13C	2.00	72	
					1,2,3,4,7,8-HxCDD-13C	2.00	111	
1,2,3,7,8-PeCDD	83	-----	16.0		1,2,3,6,7,8-HxCDD-13C	2.00	91	
Total PeCDD	1900	-----	16.0		1,2,3,4,6,7,8-HpCDF-13C	2.00	103	
					1,2,3,4,7,8,9-HpCDF-13C	2.00	91	
1,2,3,4,7,8-HxCDF	550	-----	15.0		1,2,3,4,6,7,8-HpCDD-13C	2.00	167	P
1,2,3,6,7,8-HxCDF	360	-----	10.0		OCDD-13C	4.00	256	IP
2,3,4,6,7,8-HxCDF	520	-----	9.1					
1,2,3,7,8,9-HxCDF	60	-----	13.0		1,2,3,4-TCDD-13C	2.00	NA	
Total HxCDF	13000	-----	12.0		1,2,3,7,8,9-HxCDD-13C	2.00	NA	
1,2,3,4,7,8-HxCDD	400	-----	20.0		2,3,7,8-TCDD-37Cl4	0.20	97	
1,2,3,6,7,8-HxCDD	1700	-----	12.0					
1,2,3,7,8,9-HxCDD	780	-----	20.0					
Total HxCDD	13000	-----	17.0					
1,2,3,4,6,7,8-HpCDF	11000	-----	6.0		Total 2,3,7,8-TCDD			
1,2,3,4,7,8,9-HpCDF	690	-----	20.0		Equivalence: 1600 ng/Kg			
Total HpCDF	39000	-----	13.0		(Using ITE Factors			
1,2,3,4,6,7,8-HpCDD	59000	-----	7.6					
Total HpCDD	93000	-----	7.6					
OCDF	19000	-----	8.5					
OCDD	270000	-----	7.4	S				

Results reported on a dry weight basis

Conc = Concentration (Totals include 2,3,7,8-substituted isomers)
EMPC = Estimated Maximum Possible Concentration
LOD = Limit of Detection
J = Concentration detected is below the calibration range
B = Less than 10 times higher than method blank level
P = Recovery outside of target range
Nn = Value obtained from additional analysis

I = Interference
E = PCDE Interference
S = Saturated signal
ND = Not Detected
NA = Not Applicable
NC = Not Calculated

Report No.....01-1042936

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612- 607-6444

Pace Analytical™

Method 8290 Analysis Results

Client - BAYWEST

Client's Sample ID	PE-9		
Lab Sample ID	2630233		
Filename	U10409A_13		
Injected By	CVS		
Total Amount Extracted	12.73 g	Matrix	SOIL
% Moisture	10.4	Dilution	20
Dry Weight Extracted	11.4 g	Collected	03/23/2001
ICAL Date	03/16/2001	Received	03/27/2001
CCal Filename(s)	U10409A_01 & U10409A_15	Extracted	04/02/2001
Method Blank ID	BLANK-1055	Analyzed	04/09/2001 21:33

Native Isomers	Conc ng/Kg	EMPC ng/Kg	LOD ng/Kg		Internal Standards	ng's Added	Percent Recovery	
2,3,7,8-TCDF	71	-----	2.2		2,3,7,8-TCDF-13C	2.00	75	
Total TCDF	340	-----	2.2		2,3,7,8-TCDD-13C	2.00	77	
					1,2,3,7,8-PeCDF-13C	2.00	74	
2,3,7,8-TCDD	14	-----	2.4	J	2,3,4,7,8-PeCDF-13C	2.00	69	
Total TCDD	160	-----	2.4		1,2,3,7,8-PeCDD-13C	2.00	72	
					1,2,3,4,7,8-HxCDF-13C	2.00	106	
1,2,3,7,8-PeCDF	120	-----	1.1		1,2,3,6,7,8-HxCDF-13C	2.00	108	
2,3,4,7,8-PeCDF	370	-----	5.7		2,3,4,6,7,8-HxCDF-13C	2.00	104	
Total PeCDF	2900	-----	3.4		1,2,3,7,8,9-HxCDF-13C	2.00	96	
					1,2,3,4,7,8-HxCDD-13C	2.00	96	
1,2,3,7,8-PeCDD	66	-----	5.6		1,2,3,6,7,8-HxCDD-13C	2.00	106	
Total PeCDD	480	-----	5.6		1,2,3,4,6,7,8-HpCDF-13C	2.00	108	IN2
					1,2,3,4,7,8,9-HpCDF-13C	2.00	98	N2
1,2,3,4,7,8-HxCDF	2100	-----	5.7		1,2,3,4,6,7,8-HpCDD-13C	2.00	150	PN2
1,2,3,6,7,8-HxCDF	-----	350	5.6	E	OCDD-13C	4.00	225	IPN2
2,3,4,6,7,8-HxCDF	570	-----	4.0					
1,2,3,7,8,9-HxCDF	290	-----	6.0		1,2,3,4-TCDD-13C	2.00	NA	
Total HxCDF	11000	-----	5.3		1,2,3,7,8,9-HxCDD-13C	2.00	NA	
1,2,3,4,7,8-HxCDD	120	-----	9.5		2,3,7,8-TCDD-37Cl4	0.20	94	
1,2,3,6,7,8-HxCDD	3800	-----	11.0					
1,2,3,7,8,9-HxCDD	390	-----	10.0					
Total HxCDD	11000	-----	10.0					
1,2,3,4,6,7,8-HpCDF	37000	-----	14.0	N2	Total 2,3,7,8-TCDD			
1,2,3,4,7,8,9-HpCDF	1900	-----	11.0	N2	Equivalence: 3000 ng/Kg			
Total HpCDF	170000	-----	13.0	N2	(Using ITE Factors			
1,2,3,4,6,7,8-HpCDD	120000	-----	6.1	N2				
Total HpCDD	170000	-----	6.1	N2				
OCDF	82000	-----	3.2	N2				
OCDD	360000	-----	6.5	SN2				

Results reported on a dry weight basis

Conc = Concentration (Totals include 2,3,7,8-substituted isomers)
EMPC = Estimated Maximum Possible Concentration
LOD = Limit of Detection
J = Concentration detected is below the calibration range
B = Less than 10 times higher than method blank level
P = Recovery outside of target range
Nn = Value obtained from additional analysis

I = Interference
E = PCDE Interference
S = Saturated signal
ND = Not Detected
NA = Not Applicable
NC = Not Calculated

Report No.....01-1042936

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612- 607-6444

Pace Analytical™

Method 8290 Laboratory Control Spike Results

Client - BAYWEST

Lab Sample ID	SPIKE-1045		
Filename	F10406A_1	Matrix	SOLID
Total Amount Extracted	10.06 g	Dilution	NA
ICAL Date	03/01/2001	Extracted	04/02/2001
CCal Filename(s)	F10405B_9 & F10406A_5	Analyzed	04/06/2001 08:07
Method Blank ID	BLANK-1055	Injected By	MASB

Native Isomers	Qs (ng)	Qm (ng)	% Rec.	Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	0.20	0.21	106	2,3,7,8-TCDF-13C	2.00	78
				2,3,7,8-TCDD-13C	2.00	71
				1,2,3,7,8-PeCDF-13C	2.00	84
2,3,7,8-TCDD	0.20	0.22	109	2,3,4,7,8-PeCDF-13C	2.00	84
				1,2,3,7,8-PeCDD-13C	2.00	79
				1,2,3,4,7,8-HxCDF-13C	2.00	80
1,2,3,7,8-PeCDF	1.00	1.04	104	1,2,3,6,7,8-HxCDF-13C	2.00	94
2,3,4,7,8-PeCDF	1.00	1.07	107	2,3,4,6,7,8-HxCDF-13C	2.00	90
				1,2,3,7,8,9-HxCDF-13C	2.00	87
				1,2,3,4,7,8-HxCDD-13C	2.00	92
1,2,3,7,8-PeCDD	1.00	1.07	107	1,2,3,6,7,8-HxCDD-13C	2.00	89
				1,2,3,4,6,7,8-HpCDF-13C	2.00	81
				1,2,3,4,7,8,9-HpCDF-13C	2.00	82
1,2,3,4,7,8-HxCDF	1.00	1.04	104	1,2,3,4,6,7,8-HpCDD-13C	2.00	85
1,2,3,6,7,8-HxCDF	1.00	1.07	107	OCDD-13C	4.00	70
2,3,4,6,7,8-HxCDF	1.00	1.05	105			
1,2,3,7,8,9-HxCDF	1.00	1.05	105	1,2,3,4-TCDD-13C	2.00	NA
				1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	1.00	1.00	100	2,3,7,8-TCDD-37Cl4	0.20	85
1,2,3,6,7,8-HxCDD	1.00	1.02	102			
1,2,3,7,8,9-HxCDD	1.00	1.05	105			
1,2,3,4,6,7,8-HpCDF	1.00	1.04	104			
1,2,3,4,7,8,9-HpCDF	1.00	1.05	105			
1,2,3,4,6,7,8-HpCDD	1.00	1.01	101			
OCDF	2.00	2.18	109			
OCDD	2.00	2.08	104			

Qs = Quantity Spiked
Qm = Quantity Measured
Rec. = Recovery (Expressed as Percent)
P = Recovery outside of target range
X = Background subtracted value
Nn = Value obtained from additional analysis
NA = Not Applicable

Report No.....01-1042936

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612- 607-6444

Pace Analytical™

Method 8290 Spike Sample Results

Client - BAYWEST

Client's Sample ID	PE-3-MS		
Lab Sample ID	2630175-MS		
Filename	V10409H	Matrix	SOIL
Total Amount Extracted	11.37 g	Dilution	10
ICAL Date	01/25/2001	Extracted	04/02/2001
CCal Filename(s)	V10409A & V10409J	Analyzed	04/09/2001 14:47
Method Blank ID	BLANK-1055	Injected By	MASB

Native Isomers	Qs (ng)	Qm (ng)	% Rec.		Internal Standards	ng's Added	Percent Recovery	
2,3,7,8-TCDF	0.20	0.31	153		2,3,7,8-TCDF-13C	2.00	77	
					2,3,7,8-TCDD-13C	2.00	87	
					1,2,3,7,8-PeCDF-13C	2.00	65	
2,3,7,8-TCDD	0.20	0.31	155		2,3,4,7,8-PeCDF-13C	2.00	65	
					1,2,3,7,8-PeCDD-13C	2.00	63	
					1,2,3,4,7,8-HxCDF-13C	2.00	67	
1,2,3,7,8-PeCDF	1.00	1.17	117		1,2,3,6,7,8-HxCDF-13C	2.00	63	
2,3,4,7,8-PeCDF	1.00	2.40	240		2,3,4,6,7,8-HxCDF-13C	2.00	73	
					1,2,3,7,8,9-HxCDF-13C	2.00	66	
					1,2,3,4,7,8-HxCDD-13C	2.00	104	
1,2,3,7,8-PeCDD	1.00	1.69	169		1,2,3,6,7,8-HxCDD-13C	2.00	81	
					1,2,3,4,6,7,8-HpCDF-13C	2.00	80	
					1,2,3,4,7,8,9-HpCDF-13C	2.00	69	
1,2,3,4,7,8-HxCDF	1.00	2.93	293		1,2,3,4,6,7,8-HpCDD-13C	2.00	106	
1,2,3,6,7,8-HxCDF	1.00	2.32	232		OCDD-13C	4.00	138	P
2,3,4,6,7,8-HxCDF	1.00	3.39	339					
1,2,3,7,8,9-HxCDF	1.00	1.55	155		1,2,3,4-TCDD-13C	2.00	NA	
					1,2,3,7,8,9-HxCDD-13C	2.00	NA	
1,2,3,4,7,8-HxCDD	1.00	2.53	253		2,3,7,8-TCDD-37Cl4	0.20	116	
1,2,3,6,7,8-HxCDD	1.00	8.93	893					
1,2,3,7,8,9-HxCDD	1.00	3.51	351					
1,2,3,4,6,7,8-HpCDF	1.00	66.67	6667					
1,2,3,4,7,8,9-HpCDF	1.00	4.53	453					
1,2,3,4,6,7,8-HpCDD	1.00	259.40	25940					
OCDF	2.00	142.06	7103					
OCDD	2.00	2049.55	102478	S				

Qs = Quantity Spiked
Qm = Quantity Measured
Rec. = Recovery (Expressed as Percent)
P = Recovery outside of target range of 40-135%
X = Background subtracted value
E = PCDE Interference
Nn = Value obtained from additional analysis
NA = Not Applicable

Report No.....01-1042936

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612- 607-6444

Pace Analytical™

Method 8290 Spike Sample Results

Client - BAYWEST

Client's Sample ID	PE-3-MSD		
Lab Sample ID	2630175-MSD		
Filename	V10409I	Matrix	SOIL
Total Amount Extracted	11.36 g	Dilution	10
ICAL Date	01/25/2001	Extracted	04/02/2001
CCal Filename(s)	V10409A & V10409J	Analyzed	04/09/2001 15:47
Method Blank ID	BLANK-1055	Injected By	MASB

Native Isomers	Qs (ng)	Qm (ng)	% Rec.	Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	0.20	0.30	150	2,3,7,8-TCDF-13C	2.00	76
				2,3,7,8-TCDD-13C	2.00	89
				1,2,3,7,8-PeCDF-13C	2.00	62
2,3,7,8-TCDD	0.20	0.38	191	2,3,4,7,8-PeCDF-13C	2.00	58
				1,2,3,7,8-PeCDD-13C	2.00	68
				1,2,3,4,7,8-HxCDF-13C	2.00	78
1,2,3,7,8-PeCDF	1.00	1.13	113	1,2,3,6,7,8-HxCDF-13C	2.00	66
2,3,4,7,8-PeCDF	1.00	2.07	207	2,3,4,6,7,8-HxCDF-13C	2.00	71
				1,2,3,7,8,9-HxCDF-13C	2.00	71
				1,2,3,4,7,8-HxCDD-13C	2.00	107
1,2,3,7,8-PeCDD	1.00	1.70	170	1,2,3,6,7,8-HxCDD-13C	2.00	87
				1,2,3,4,6,7,8-HpCDF-13C	2.00	84
				1,2,3,4,7,8,9-HpCDF-13C	2.00	74
1,2,3,4,7,8-HxCDF	1.00	2.62	262	1,2,3,4,6,7,8-HpCDD-13C	2.00	120
1,2,3,6,7,8-HxCDF	1.00	2.29	229	OCDD-13C	4.00	162 P
2,3,4,6,7,8-HxCDF	1.00	2.86	286			
1,2,3,7,8,9-HxCDF	1.00	1.24	124	1,2,3,4-TCDD-13C	2.00	NA
				1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	1.00	2.57	257	2,3,7,8-TCDD-37Cl4	0.20	115
1,2,3,6,7,8-HxCDD	1.00	7.44	744			
1,2,3,7,8,9-HxCDD	1.00	3.27	327			
1,2,3,4,6,7,8-HpCDF	1.00	59.58	5958			
1,2,3,4,7,8,9-HpCDF	1.00	3.97	397			
1,2,3,4,6,7,8-HpCDD	1.00	222.24	22224			
OCDF	2.00	132.51	6625			
OCDD	2.00	1795.23	89762 S			

Qs = Quantity Spiked
Qm = Quantity Measured
Rec. = Recovery (Expressed as Percent)
P = Recovery outside of target range of 40-135%
X = Background subtracted value
E = PCDE Interference
Nn = Value obtained from additional analysis
NA = Not Applicable

Report No.....01-1042936

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1700 Elm Street, Suite 200
Minneapolis, MN 55414
Phone: 612.607.1700
Fax: 612.607.6444

MS/MSD RECOVERY RELATIVE PERCENT DIFFERENCE (RPD) RESULTS

Client..... BAYWEST

MS ID..... PE-3-MS
MS Filename..... V10409H
MSD ID..... PE-3-MSD
MSD Filename..... V10409I

COMPOUND	MS REC,%	MSD REC,%	RPD,%
2378-TCDF	153	150	2.0
2378-TCDD	155	191	20.8
12378-PeCDF	117	113	3.5
23478-PeCDF	240	207	14.8
12378-PeCDD	169	170	0.6
123478-HxCDF	293	262	11.2
123678-HxCDF	232	229	1.3
234678-HxCDF	339	286	17.0
123789-HxCDF	155	124	22.2
123478-HxCDD	253	257	1.6
123678-HxCDD	893	744	18.2
123789-HxCDD	351	327	7.1
1234678-HpCDF	6667	5958	11.2
1234789-HpCDF	453	397	13.2
1234678-HpCDD	25940	22224	15.4
OCDF	7103	6625	7.0
OCDD	102478	89762	13.2

REC = Percent Recovered
RPD = The difference between the two values divided by the average.
NA = Not Applicable
MS = Matrix Spike
MSD = Matrix Spike Duplicate

Report No..... 01-1042936

KAR *Laboratories, Inc.*

4425 Manchester Road

Kalamazoo, MI 49001

Phone 616 381-9666

Fax 616 381-9698

REVISED ANALYTICAL REPORT

To: Strebor Inc.
2305 Superior Avenue
Kalamazoo, MI 49001

Attn: Mr. Mike McClish

Project No.:	013577
Client No.:	2296
Project Date:	7/10/01
Date Promised:	7/25/01
Date Reported:	7/24/01
Date Revised:	8/21/01
PO#:	13604

Project Desc.: Analysis of 12 soil samples.

Dear Client:

A revised laboratory report for KAR Project No. 013577 is enclosed. The mercury concentrations initially measured in your "GP-19-3.5" sample and its field duplicate varied considerably (2.74 and 0.56 mg/kg, respectively). The attached revised report includes mercury values from a second round of analysis that was performed on 8/7/01. For metals other than mercury, good agreement between field duplicate results was obtained during initial testing. For this reason, no other metals results have been modified, and a report qualifier has been added regarding an apparent lack of sample homogeneity with respect to mercury only. Please call me if you require additional information regarding this project.

Respectfully submitted,
KAR Laboratories, Inc.

Michael J. Jaeger
Director of Laboratories

POSITIVE RESULTS SUMMARY REPORT

Client: *Strebor Inc.*

KAR Project No.: *013577*

Date Reported: *7/24/01*

Project Description: *Analysis of 12 soil samples.*

Sample Description: ***"GP-19-3.5"***

Test	Positive Result Concentration	Units
Arsenic, total, low level	5.5	mg/kg dry sample
Barium, total, low level	162	mg/kg dry sample
Bis(2-ethylhexyl)phthalate	45,000	ug/kg dry sample
Cadmium, total, low level	0.37	mg/kg dry sample
Chromium, total, low level	13.5	mg/kg dry sample
Lead, total	45	mg/kg dry sample
Mercury, total, low level	0.45	mg/kg dry sample
N-Propylbenzene	38,000	ug/kg dry sample
Naphthalene by Method 8270	5800	ug/kg dry sample
O-Xylene	38,000	ug/kg dry sample
Pentachlorophenol	49,000	ug/kg dry sample
Phenanthrene	480	ug/kg dry sample
Pyrene	720	ug/kg dry sample

Sample Description: ***"GP-19-DUP"***

Test	Positive Result Concentration	Units
1,2,4-Trimethylbenzene	320,000	ug/kg dry sample
1,3,5-Trimethylbenzene	110,000	ug/kg dry sample
Arsenic, total, low level	4.3	mg/kg dry sample
Barium, total, low level	158	mg/kg dry sample
Bis(2-ethylhexyl)phthalate	45,000	ug/kg dry sample
Cadmium, total, low level	0.23	mg/kg dry sample
Chromium, total, low level	14.5	mg/kg dry sample
Lead, total	25	mg/kg dry sample
Mercury, total, low level	0.37	mg/kg dry sample
N-Propylbenzene	40,000	ug/kg dry sample
Naphthalene by Method 8270	6500	ug/kg dry sample
O-Xylene	44,000	ug/kg dry sample
Pentachlorophenol	48,000	ug/kg dry sample
Phenanthrene	390	ug/kg dry sample
Pyrene	570	ug/kg dry sample

Sample Description: ***"GP-21-3.5"***

Test	Positive Result Concentration	Units
1,2,4-Trimethylbenzene	460	ug/kg dry sample
1,3,5-Trimethylbenzene	140	ug/kg dry sample
Arsenic, total, low level	3.5	mg/kg dry sample
Barium, total, low level	63	mg/kg dry sample
Bis(2-ethylhexyl)phthalate	570	ug/kg dry sample

This Positive Results Summary Report provides an overview of the sample set and CONTAINS ONLY RESULTS ABOVE THE REPORTING LIMIT. It should not be used as a substitute for the attached detail report.

LABORATORY DETAIL REPORT

Client: *Strebor Inc.*

KAR Project No. : *013577*

Date Reported : *07/24/01*

Project Desc. : *Analysis of 12 soil samples.*

Sample ID : *"GP-19-3.5"*

Sampled By : *MM of Strebor, Inc.*

Sample Date : *7/11/01*

Sample Time : *1020*

Date Received : *7/11/01*

Sample Type : *soil*

KAR Sample No. : *013577-04*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Prep, Hg	Completed		EPA 7471A	08/06/01	DBL	
Prep, metals	Completed		EPA 30xx,200.x	07/16/01	DBL	
Arsenic, total, low level	5.5	mg/kg dry sample	EPA 6020	07/20/01	DBL	
Barium, total, low level	162	mg/kg dry sample	EPA 6010B	07/18/01	PML	
Cadmium, total, low level	0.37	mg/kg dry sample	EPA 6020	07/20/01	DBL	
Chromium, total, low level	13.5	mg/kg dry sample	EPA 6010B	07/18/01	PML	
Lead, total	45	mg/kg dry sample	EPA 6010B	07/18/01	PML	
Mercury, total, low level	0.45	mg/kg dry sample	EPA 7471A	08/07/01	DBL	Sample is not homogeneous; result is approximate.
Selenium, total, low level	<1.2	mg/kg dry sample	EPA 6020	07/20/01	DBL	Elevated detection limit due to sample matrix interference.
Silver, total	<0.5	mg/kg dry sample	EPA 6010B	07/18/01	PML	
Dry weight solids	89.38	% by weight	SM(18) 2540B mod	07/13/01	BLF	
EPA 8260 Plus	See below		EPA 8260	07/16/01	DLB	
Prep, VOA	Completed		EPA 5035	07/16/01	DLB	Sample was field-preserved at time of collection.
1,1,1,2-Tetrachloroethane	<20,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,1,1-Trichloroethane	<10,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,1,2,2-Tetrachloroethane	<20,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,1,2-Trichloroethane	<10,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,1-Dichloroethane	<10,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,1-Dichloroethene	<10,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,2,3-Trichloropropane	<20,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,2,4-Trichlorobenzene	<50,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,2,4-Trimethylbenzene	280,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,2-Dibromo-3-chloropropane	<50,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,2-Dichlorobenzene	<20,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,2-Dichloroethane	<10,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,2-Dichloropropane	<10,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,3,5-Trimethylbenzene	96,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,3-Dichlorobenzene	<20,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,4-Dichlorobenzene	<20,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
2-Butanone	<150,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
2-Hexanone	<500,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
2-Methylnaphthalene by 8260	<50,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
4-Methyl-2-pentanone	<500,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Acetone	<150,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Acrylonitrile	<500,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Benzene	<10,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	

LABORATORY DETAIL REPORT

Client: *Strebor Inc.*

KAR Project No. : *013577*

Date Reported : *07/24/01*

Project Desc. : *Analysis of 12 soil samples.*

Sample ID : *"GP-19-3.5"*

Sampled By : *MM of Strebor, Inc.*

Sample Date : *7/11/01*

Sample Time : *1020*

Date Received : *7/11/01*

Sample Type : *soil*

KAR Sample No. : *013577-04*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Bromochloromethane	<20,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Bromodichloromethane	<20,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Bromoform	<20,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Bromomethane	<50,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Carbon disulfide	<50,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Carbon tetrachloride	<10,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Chlorobenzene	<10,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Chloroethane	<50,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Chloroform	<10,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Chloromethane	<50,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Cis-1,2-Dichloroethene	<10,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Cis-1,3-Dichloropropene	<10,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Dibromochloromethane	<20,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Dibromomethane	<50,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Dichlorodifluoromethane	<20,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Diethyl ether	<500,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Ethylbenzene	<10,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Ethylene dibromide	<50,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Hexachloroethane by 8260	<50,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Isopropylbenzene	<50,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
M-and/or p-xylene	<20,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Methyl iodide	<20,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Methyl t-butyl ether (MTBE)	<50,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Methylene chloride	<50,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
N-Propylbenzene	38,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Naphthalene	<50,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
O-Xylene	38,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Styrene	<10,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Tetrachloroethene	<10,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Toluene	<20,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Trans-1,2-Dichloroethene	<10,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Trans-1,3-Dichloropropene	<10,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Trans-1,4-Dichloro-2-butene	<10,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Trichloroethene	<10,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Trichlorofluoromethane	<20,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Vinyl chloride	<20,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Prior. Poll. acids	See below		EPA 8270	07/23/01	KTL	

LABORATORY DETAIL REPORT

Client: *Strebor Inc.*

KAR Project No. : *013577*

Date Reported : *07/24/01*

Project Desc. : *Analysis of 12 soil samples.*

Sample ID : *"GP-19-3.5"*

Sampled By : *MM of Strebor, Inc.*

Sample Date : *7/11/01*

Sample Time : *1020*

Date Received : *7/11/01*

Sample Type : *soil*

KAR Sample No. : *013577-04*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Prior. Poll. base-neutrals	See below		EPA 8270	07/23/01	KTL	
Prep, SV Acid/BN	Completed		EPA 3545	07/20/01	SAS	
1,2,4-Trichlorobenzene 8270	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
1,2-Dichlorobenzene by 8270	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
1,2-Diphenylhydrazine	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
1,3-Dichlorobenzene by 8270	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
1,4-Dichlorobenzene by 8270	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
2,3,7,8-TCDD by 8270	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
2,4,6-Trichlorophenol	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
2,4-Dichlorophenol	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
2,4-Dimethylphenol	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
2,4-Dinitrophenol	<660	ug/kg dry sample	EPA 8270	07/23/01	KTL	
2,4-Dinitrotoluene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
2,6-Dinitrotoluene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
2-Chloronaphthalene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
2-Chlorophenol	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
2-Methyl-4,6-dinitrophenol	<660	ug/kg dry sample	EPA 8270	07/23/01	KTL	
2-Nitrophenol	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
3,3'-Dichlorobenzidine	<660	ug/kg dry sample	EPA 8270	07/23/01	KTL	
4-Bromophenyl phenyl ether	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
4-Chloro-3-methylphenol	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
4-Chlorophenyl phenyl ether	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
4-Nitrophenol	<660	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Acenaphthene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Acenaphthylene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Anthracene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Benzidine	<1650	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Benzo(a)anthracene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Benzo(a)pyrene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Benzo(b)fluoranthene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Benzo(ghi)perylene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Benzo(k)fluoranthene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Bis(2-chloroethoxy)methane	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Bis(2-chloroethyl)ether	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Bis(2-chloroisopropyl)ether	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Bis(2-ethylhexyl)phthalate	45,000	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Butylbenzyl phthalate	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	

LABORATORY DETAIL REPORT

Client: *Strebor Inc.*

KAR Project No. : *013577*

Date Reported : *07/24/01*

Project Desc. : *Analysis of 12 soil samples.*

Sample ID : *"GP-19-3.5"*

Sampled By : *MM of Strebor, Inc.*

Sample Date : *7/11/01*

Sample Time : *1020*

Date Received : *7/11/01*

Sample Type : *soil*

KAR Sample No. : *013577-04*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Chrysene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Di-N-butylphthalate	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Di-n-Octyl phthalate	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Dibenzo(ah)anthracene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Diethyl phthalate	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Dimethyl phthalate	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Fluoranthene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Fluorene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Hexachlorobenzene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Hexachlorobutadiene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Hexachlorocyclopentadiene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Hexachloroethane	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Indeno(123cd)pyrene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Isophorone	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
N-Nitrosodi-n-propylamine	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
N-Nitrosodimethylamine	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
N-Nitrosodiphenylamine	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Naphthalene by Method 8270	5800	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Nitrobenzene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Pentachlorophenol	49,000	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Phenanthrene	480	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Phenol	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Pyrene	720	ug/kg dry sample	EPA 8270	07/23/01	KTL	

LABORATORY DETAIL REPORT

Client: *Strebor Inc.*

KAR Project No. : *013577*

Date Reported : *07/24/01*

Project Desc. : *Analysis of 12 soil samples.*

Sample ID : *"GP-19-DUP"*

Sampled By : *MM of Strebor, Inc.*

Sample Date : *7/11/01*

Sample Time : *1020*

Date Received : *7/11/01*

Sample Type : *soil*

KAR Sample No. : *013577-05*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Prep, Hg	Completed		EPA 7471A	08/06/01	DBL	
Prep, metals	Completed		EPA 30xx,200.x	07/16/01	DBL	
Arsenic, total, low level	4.3	mg/kg dry sample	EPA 6020	07/20/01	DBL	
Barium, total, low level	158	mg/kg dry sample	EPA 6010B	07/18/01	PML	
Cadmium, total, low level	0.23	mg/kg dry sample	EPA 6020	07/20/01	DBL	
Chromium, total, low level	14.5	mg/kg dry sample	EPA 6010B	07/18/01	PML	
Lead, total	25	mg/kg dry sample	EPA 6010B	07/18/01	PML	
Mercury, total, low level	0.37	mg/kg dry sample	EPA 7471A	08/07/01	DBL	Sample is not homogeneous; result is approximate.
Selenium, total, low level	<1.5	mg/kg dry sample	EPA 6020	07/20/01	DBL	Elevated detection limit due to sample matrix interference.
Silver, total	<0.5	mg/kg dry sample	EPA 6010B	07/18/01	PML	
Dry weight solids	89.45	% by weight	SM(18) 2540B mod	07/13/01	BLF	
EPA 8260 Plus	See below		EPA 8260	07/16/01	DLB	
Prep, VOA	Completed		EPA 5035	07/16/01	DLB	Sample was field-preserved at time of collection.
1,1,1,2-Tetrachloroethane	<20,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,1,1-Trichloroethane	<10,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,1,2,2-Tetrachloroethane	<20,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,1,2-Trichloroethane	<10,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,1-Dichloroethane	<10,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,1-Dichloroethene	<10,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,2,3-Trichloropropane	<20,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,2,4-Trichlorobenzene	<50,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,2,4-Trimethylbenzene	320,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,2-Dibromo-3-chloropropane	<50,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,2-Dichlorobenzene	<20,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,2-Dichloroethane	<10,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,2-Dichloropropane	<10,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,3,5-Trimethylbenzene	110,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,3-Dichlorobenzene	<20,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,4-Dichlorobenzene	<20,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
2-Butanone	<150,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
2-Hexanone	<500,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
2-Methylnaphthalene by 8260	<50,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
4-Methyl-2-pentanone	<500,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Acetone	<150,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Acrylonitrile	<500,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Benzene	<10,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	

LABORATORY DETAIL REPORT

Client: *Strebor Inc.*

KAR Project No. : *013577*

Date Reported : *07/24/01*

Project Desc. : *Analysis of 12 soil samples.*

Sample ID : *"GP-19-DUP"*

Sampled By : *MM of Strebor, Inc.*

Sample Date : *7/11/01*

Sample Time : *1020*

Date Received : *7/11/01*

Sample Type : *soil*

KAR Sample No. : *013577-05*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Bromochloromethane	<20,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Bromodichloromethane	<20,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Bromoform	<20,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Bromomethane	<50,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Carbon disulfide	<50,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Carbon tetrachloride	<10,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Chlorobenzene	<10,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Chloroethane	<50,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Chloroform	<10,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Chloromethane	<50,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Cis-1,2-Dichloroethene	<10,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Cis-1,3-Dichloropropene	<10,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Dibromochloromethane	<20,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Dibromomethane	<50,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Dichlorodifluoromethane	<20,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Diethyl ether	<500,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Ethylbenzene	<10,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Ethylene dibromide	<50,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Hexachloroethane by 8260	<50,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Isopropylbenzene	<50,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
M-and/or p-xylene	<20,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Methyl iodide	<20,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Methyl t-butyl ether (MTBE)	<50,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Methylene chloride	<50,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
N-Propylbenzene	40,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Naphthalene	<50,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
O-Xylene	44,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Styrene	<10,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Tetrachloroethene	<10,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Toluene	<20,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Trans-1,2-Dichloroethene	<10,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Trans-1,3-Dichloropropene	<10,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Trans-1,4-Dichloro-2-butene	<10,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Trichloroethene	<10,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Trichlorofluoromethane	<20,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Vinyl chloride	<20,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Prior. Poll. acids	See below		EPA 8270	07/23/01	KTL	

LABORATORY DETAIL REPORT

Client: *Strebor Inc.*

KAR Project No. : *013577*

Date Reported : *07/24/01*

Project Desc. : *Analysis of 12 soil samples.*

Sample ID : *"GP-19-DUP"*

Sampled By : *MM of Strebor, Inc.*

Sample Date : *7/11/01*

Sample Time : *1020*

Date Received : *7/11/01*

Sample Type : *soil*

KAR Sample No. : *013577-05*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Prior. Poll. base-neutrals	See below		EPA 8270	07/23/01	KTL	
Prep, SV Acid/BN	Completed		EPA 3545	07/20/01	SAS	
1,2,4-Trichlorobenzene 8270	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
1,2-Dichlorobenzene by 8270	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
1,2-Diphenylhydrazine	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
1,3-Dichlorobenzene by 8270	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
1,4-Dichlorobenzene by 8270	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
2,3,7,8-TCDD by 8270	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
2,4,6-Trichlorophenol	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
2,4-Dichlorophenol	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
2,4-Dimethylphenol	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
2,4-Dinitrophenol	<660	ug/kg dry sample	EPA 8270	07/23/01	KTL	
2,4-Dinitrotoluene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
2,6-Dinitrotoluene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
2-Chloronaphthalene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
2-Chlorophenol	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
2-Methyl-4,6-dinitrophenol	<660	ug/kg dry sample	EPA 8270	07/23/01	KTL	
2-Nitrophenol	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
3,3'-Dichlorobenzidine	<660	ug/kg dry sample	EPA 8270	07/23/01	KTL	
4-Bromophenyl phenyl ether	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
4-Chloro-3-methylphenol	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
4-Chlorophenyl phenyl ether	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
4-Nitrophenol	<660	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Acenaphthene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Acenaphthylene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Anthracene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Benzidine	<1650	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Benzo(a)anthracene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Benzo(a)pyrene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Benzo(b)fluoranthene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Benzo(ghi)perylene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Benzo(k)fluoranthene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Bis(2-chloroethoxy)methane	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Bis(2-chloroethyl)ether	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Bis(2-chloroisopropyl)ether	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Bis(2-ethylhexyl)phthalate	45,000	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Butylbenzyl phthalate	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	

LABORATORY DETAIL REPORT

Client: *Strebor Inc.*

KAR Project No. : *013577*

Date Reported : *07/24/01*

Project Desc. : *Analysis of 12 soil samples.*

Sample ID : *"GP-19-DUP"*

Sampled By : *MM of Strebor, Inc.*

Sample Date : *7/11/01*

Sample Time : *1020*

Date Received : *7/11/01*

Sample Type : *soil*

KAR Sample No. : *013577-05*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Chrysene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Di-N-butylphthalate	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Di-n-Octyl phthalate	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Dibenzo(ah)anthracene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Diethyl phthalate	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Dimethyl phthalate	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Fluoranthene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Fluorene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Hexachlorobenzene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Hexachlorobutadiene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Hexachlorocyclopentadiene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Hexachloroethane	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Indeno(123cd)pyrene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Isophorone	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
N-Nitrosodi-n-propylamine	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
N-Nitrosodimethylamine	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
N-Nitrosodiphenylamine	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Naphthalene by Method 8270	6500	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Nitrobenzene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Pentachlorophenol	48,000	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Phenanthrene	390	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Phenol	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Pyrene	570	ug/kg dry sample	EPA 8270	07/23/01	KTL	

KAR *Laboratories, Inc.*

4425 Manchester Road
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Strebor Inc.
2305 Superior Avenue
Kalamazoo, MI 49001

Attn : ***Mr. Mike McClish***

KAR Project No. :	***013577***
Date Reported :	***07/24/01***
Date Activated :	***07/10/01***
Date Due :	***07/25/01***
Date Validated :	***07/24/01***

Project Description : ***Analysis of 12 soil samples.***

Dear Client,

Your laboratory data is presented to you in this report. Unless otherwise stated under the "Comments" heading, all tests were performed within the maximum allowable holding times, have met or exceeded QC requirements and the result represents the sample as it was received.

If you wish to contact us about this work please mention KAR Project No. 013577. To arrange additional sampling or testing please contact our Client Services Department. If you have a question regarding quality assurance please contact William Rauch.

Thank you for the opportunity to serve you. Please do not hesitate to call if we can provide additional assistance.

Respectfully submitted,

Michael J. Jaeger
Director of Laboratories

POSITIVE RESULTS SUMMARY REPORT

Client: *Strebor Inc.*

KAR Project No.: *013577*

Date Reported: *7/24/01*

Project Description: *Analysis of 12 soil samples.*

Sample Description: ***"GP-20-3"***

Test	Positive Result Concentration	Units
Arsenic, total, low level	5.0	mg/kg dry sample
Barium, total, low level	75	mg/kg dry sample
Bis(2-ethylhexyl)phthalate	550	ug/kg dry sample
Cadmium, total, low level	0.44	mg/kg dry sample
Chromium, total, low level	12.2	mg/kg dry sample
Lead, total	12	mg/kg dry sample
Mercury, total, low level	0.26	mg/kg dry sample

Sample Description: ***"GP-22-2"***

Test	Positive Result Concentration	Units
1,2,4-Trimethylbenzene	1200	ug/kg dry sample
1,3,5-Trimethylbenzene	290	ug/kg dry sample
Arsenic, total, low level	12.0	mg/kg dry sample
Barium, total, low level	195	mg/kg dry sample
Bis(2-ethylhexyl)phthalate	360	ug/kg dry sample
Cadmium, total, low level	0.39	mg/kg dry sample
Chromium, total, low level	15.9	mg/kg dry sample
Ethylbenzene	91	ug/kg dry sample
Lead, total	30	mg/kg dry sample
M-and/or p-xylene	410	ug/kg dry sample
Mercury, total, low level	0.42	mg/kg dry sample
N-Propylbenzene	290	ug/kg dry sample

Sample Description: ***"GP-27-3"***

Test	Positive Result Concentration	Units
1,2,4-Trimethylbenzene	210	ug/kg dry sample
Arsenic, total, low level	5.5	mg/kg dry sample
Barium, total, low level	256	mg/kg dry sample
Cadmium, total, low level	0.24	mg/kg dry sample
Chromium, total, low level	15.3	mg/kg dry sample
Lead, total	20	mg/kg dry sample
Mercury, total, low level	0.47	mg/kg dry sample

Sample Description: ***"GP-19-3.5"***

Test	Positive Result Concentration	Units
1,2,4-Trimethylbenzene	280,000	ug/kg dry sample
1,3,5-Trimethylbenzene	96,000	ug/kg dry sample

This Positive Results Summary Report provides an overview of the sample set and CONTAINS ONLY RESULTS ABOVE THE REPORTING LIMIT. It should not be used as a substitute for the attached detail report.

POSITIVE RESULTS SUMMARY REPORT

Client: *Strebor Inc.*

KAR Project No.: *013577*

Date Reported: *7/24/01*

Project Description: *Analysis of 12 soil samples.*

Sample Description: ***"GP-19-3.5"***

Test	Positive Result Concentration	Units
Arsenic, total, low level	5.5	mg/kg dry sample
Barium, total, low level	162	mg/kg dry sample
Bis(2-ethylhexyl)phthalate	45,000	ug/kg dry sample
Cadmium, total, low level	0.37	mg/kg dry sample
Chromium, total, low level	13.5	mg/kg dry sample
Lead, total	45	mg/kg dry sample
Mercury, total, low level	2.74	mg/kg dry sample
N-Propylbenzene	38,000	ug/kg dry sample
Naphthalene by Method 8270	5800	ug/kg dry sample
O-Xylene	38,000	ug/kg dry sample
Pentachlorophenol	49,000	ug/kg dry sample
Phenanthrene	480	ug/kg dry sample
Pyrene	720	ug/kg dry sample

Sample Description: ***"GP-19-DUP"***

Test	Positive Result Concentration	Units
1,2,4-Trimethylbenzene	320,000	ug/kg dry sample
1,3,5-Trimethylbenzene	110,000	ug/kg dry sample
Arsenic, total, low level	4.3	mg/kg dry sample
Barium, total, low level	158	mg/kg dry sample
Bis(2-ethylhexyl)phthalate	45,000	ug/kg dry sample
Cadmium, total, low level	0.23	mg/kg dry sample
Chromium, total, low level	14.5	mg/kg dry sample
Lead, total	25	mg/kg dry sample
Mercury, total, low level	0.56	mg/kg dry sample
N-Propylbenzene	40,000	ug/kg dry sample
Naphthalene by Method 8270	6500	ug/kg dry sample
O-Xylene	44,000	ug/kg dry sample
Pentachlorophenol	48,000	ug/kg dry sample
Phenanthrene	390	ug/kg dry sample
Pyrene	570	ug/kg dry sample

Sample Description: ***"GP-21-3.5"***

Test	Positive Result Concentration	Units
1,2,4-Trimethylbenzene	460	ug/kg dry sample
1,3,5-Trimethylbenzene	140	ug/kg dry sample
Arsenic, total, low level	3.5	mg/kg dry sample
Barium, total, low level	63	mg/kg dry sample
Bis(2-ethylhexyl)phthalate	570	ug/kg dry sample

This Positive Results Summary Report provides an overview of the sample set and CONTAINS ONLY RESULTS ABOVE THE REPORTING LIMIT. It should not be used as a substitute for the attached detail report.

POSITIVE RESULTS SUMMARY REPORT

Client: *Strebor Inc.*

KAR Project No.: *013577*

Date Reported: *7/24/01*

Project Description: *Analysis of 12 soil samples.*

Sample Description: *"GP-21-3.5"*

Test	Positive Result Concentration	Units
Cadmium, total, low level	0.14	mg/kg dry sample
Chromium, total, low level	9.5	mg/kg dry sample
Lead, total	13	mg/kg dry sample
M-and/or p-xylene	100	ug/kg dry sample
Mercury, total, low level	0.36	mg/kg dry sample
O-Xylene	93	ug/kg dry sample
Pentachlorophenol	2700	ug/kg dry sample

Sample Description: *"GP-23-2.5"*

Test	Positive Result Concentration	Units
Arsenic, total, low level	3.8	mg/kg dry sample
Barium, total, low level	151	mg/kg dry sample
Benzo(a)anthracene	510	ug/kg dry sample
Benzo(b)fluoranthene	620	ug/kg dry sample
Benzo(k)fluoranthene	600	ug/kg dry sample
Bis(2-ethylhexyl)phthalate	2600	ug/kg dry sample
Cadmium, total, low level	0.32	mg/kg dry sample
Chromium, total, low level	13.3	mg/kg dry sample
Chrysene	370	ug/kg dry sample
Fluoranthene	430	ug/kg dry sample
Lead, total	32	mg/kg dry sample
Mercury, total, low level	1.01	mg/kg dry sample
Pentachlorophenol	670	ug/kg dry sample
Pyrene	1000	ug/kg dry sample

Sample Description: *"GP-23-3.5"*

Test	Positive Result Concentration	Units
Arsenic, total, low level	0.4	mg/kg dry sample
Barium, total, low level	29	mg/kg dry sample
Bis(2-ethylhexyl)phthalate	530	ug/kg dry sample
Cadmium, total, low level	0.05	mg/kg dry sample
Chromium, total, low level	5.8	mg/kg dry sample
Lead, total	3	mg/kg dry sample

Sample Description: *"GP-24-3.0"*

Test	Positive Result Concentration	Units
Arsenic, total, low level	0.6	mg/kg dry sample

This Positive Results Summary Report provides an overview of the sample set and CONTAINS ONLY RESULTS ABOVE THE REPORTING LIMIT. It should not be used as a substitute for the attached detail report.

POSITIVE RESULTS SUMMARY REPORT

Client: *Strebor Inc.*

KAR Project No.: *013577*

Date Reported: *7/24/01*

Project Description: *Analysis of 12 soil samples.*

Sample Description: *"GP-24-3.0"*

Test	Positive Result Concentration	Units
Barium, total, low level	26	mg/kg dry sample
Bis(2-ethylhexyl)phthalate	530	ug/kg dry sample
Cadmium, total, low level	0.05	mg/kg dry sample
Chromium, total, low level	7.4	mg/kg dry sample
Lead, total	3	mg/kg dry sample

Sample Description: *"GP-25-3.0"*

Test	Positive Result Concentration	Units
1,2,4-Trimethylbenzene	480	ug/kg dry sample
Arsenic, total, low level	4.2	mg/kg dry sample
Barium, total, low level	170	mg/kg dry sample
Bis(2-ethylhexyl)phthalate	79,000	ug/kg dry sample
Cadmium, total, low level	0.63	mg/kg dry sample
Chromium, total, low level	11.7	mg/kg dry sample
Lead, total	83	mg/kg dry sample
M-and/or p-xylene	210	ug/kg dry sample
Mercury, total, low level	1.63	mg/kg dry sample
N-Propylbenzene	150	ug/kg dry sample

Sample Description: *"GP-26-3.0"*

Test	Positive Result Concentration	Units
Arsenic, total, low level	9.0	mg/kg dry sample
Barium, total, low level	119	mg/kg dry sample
Bis(2-ethylhexyl)phthalate	950	ug/kg dry sample
Cadmium, total, low level	0.22	mg/kg dry sample
Chromium, total, low level	15.3	mg/kg dry sample
Lead, total	27	mg/kg dry sample
Mercury, total, low level	0.21	mg/kg dry sample

Sample Description: *"GP-26-4.0"*

Test	Positive Result Concentration	Units
Arsenic, total, low level	1.5	mg/kg dry sample
Barium, total, low level	45	mg/kg dry sample
Bis(2-ethylhexyl)phthalate	1100	ug/kg dry sample
Cadmium, total, low level	0.08	mg/kg dry sample
Chromium, total, low level	13.2	mg/kg dry sample
Lead, total	7	mg/kg dry sample

This Positive Results Summary Report provides an overview of the sample set and CONTAINS ONLY RESULTS ABOVE THE REPORTING LIMIT. It should not be used as a substitute for the attached detail report.

LABORATORY DETAIL REPORT

Client: *Strebor Inc.*

KAR Project No. : *013577*

Date Reported : *07/24/01*

Project Desc. : *Analysis of 12 soil samples.*

Sample ID : *"GP-20-3"*

Sampled By : *MM of Strebor, Inc.*

Sample Date : *7/6/01*

Sample Time : *1250*

Date Received : *7/10/01*

Sample Type : *soil*

KAR Sample No. : *013577-01*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Prep, Hg	Completed		EPA 7471A	07/18/01	DBL	
Prep, metals	Completed		EPA 30xx,200.x	07/16/01	DBL	
Arsenic, total, low level	5.0	mg/kg dry sample	EPA 6020	07/20/01	DBL	
Barium, total, low level	75	mg/kg dry sample	EPA 6010B	07/18/01	PML	
Cadmium, total, low level	0.44	mg/kg dry sample	EPA 6020	07/20/01	DBL	
Chromium, total, low level	12.2	mg/kg dry sample	EPA 6010B	07/18/01	PML	
Lead, total	12	mg/kg dry sample	EPA 6010B	07/18/01	PML	
Mercury, total, low level	0.26	mg/kg dry sample	EPA 7471A	07/19/01	DBL	
Selenium, total, low level	<1.1	mg/kg dry sample	EPA 6020	07/20/01	DBL	Elevated detection limit due to sample matrix interference.
Silver, total	<0.5	mg/kg dry sample	EPA 6010B	07/18/01	PML	
Dry weight solids	93.66	% by weight	SM(18) 2540B mod	07/16/01	BLF	
EPA 8260 Plus	See below		EPA 8260	07/16/01	DLB	
Prep, VOA	Completed		EPA 5035	07/16/01	DLB	Sample was field-preserved at time of collection.
1,1,1,2-Tetrachloroethane	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,1,1-Trichloroethane	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,1,2,2-Tetrachloroethane	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,1,2-Trichloroethane	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,1-Dichloroethane	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,1-Dichloroethene	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,2,3-Trichloropropane	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,2,4-Trichlorobenzene	<250	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,2,4-Trimethylbenzene	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,2-Dibromo-3-chloropropane	<250	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,2-Dichlorobenzene	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,2-Dichloroethane	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,2-Dichloropropane	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,3,5-Trimethylbenzene	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,3-Dichlorobenzene	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,4-Dichlorobenzene	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
2-Butanone	<750	ug/kg dry sample	EPA 8260	07/16/01	DLB	
2-Hexanone	<2500	ug/kg dry sample	EPA 8260	07/16/01	DLB	
2-Methylnaphthalene by 8260	<250	ug/kg dry sample	EPA 8260	07/16/01	DLB	
4-Methyl-2-pentanone	<2500	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Acetone	<750	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Acrylonitrile	<2500	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Benzene	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Bromochloromethane	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	

LABORATORY DETAIL REPORT

Client: *Strebor Inc.*

KAR Project No. : *013577*

Date Reported : *07/24/01*

Project Desc. : *Analysis of 12 soil samples.*

Sample ID : *"GP-20-3"*

Sampled By : *MM of Strebor, Inc.*

Sample Date : *7/6/01*

Sample Time : *1250*

Date Received : *7/10/01*

Sample Type : *soil*

KAR Sample No. : *013577-01*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Bromodichloromethane	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Bromoform	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Bromomethane	<250	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Carbon disulfide	<250	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Carbon tetrachloride	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Chlorobenzene	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Chloroethane	<250	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Chloroform	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Chloromethane	<250	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Cis-1,2-Dichloroethene	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Cis-1,3-Dichloropropene	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Dibromochloromethane	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Dibromomethane	<250	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Dichlorodifluoromethane	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Diethyl ether	<2500	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Ethylbenzene	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Ethylene dibromide	<250	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Hexachloroethane by 8260	<250	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Isopropylbenzene	<250	ug/kg dry sample	EPA 8260	07/16/01	DLB	
M-and/or p-xylene	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Methyl iodide	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Methyl t-butyl ether (MTBE)	<250	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Methylene chloride	<250	ug/kg dry sample	EPA 8260	07/16/01	DLB	
N-Propylbenzene	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Naphthalene	<250	ug/kg dry sample	EPA 8260	07/16/01	DLB	
O-Xylene	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Styrene	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Tetrachloroethene	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Toluene	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Trans-1,2-Dichloroethene	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Trans-1,3-Dichloropropene	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Trans-1,4-Dichloro-2-butene	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Trichloroethene	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Trichlorofluoromethane	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Vinyl chloride	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Prior. Poll. acids	See below		EPA 8270	07/20/01	KTL	
Prior. Poll. base-neutrals	See below		EPA 8270	07/20/01	KTL	

LABORATORY DETAIL REPORT

Client: *Strebor Inc.*

KAR Project No. : *013577*

Date Reported : *07/24/01*

Project Desc. : *Analysis of 12 soil samples.*

Sample ID : *"GP-20-3"*

Sampled By : *MM of Strebor, Inc.*

Sample Date : *7/6/01*

Sample Time : *1250*

Date Received : *7/10/01*

Sample Type : *soil*

KAR Sample No. : *013577-01*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Prep, SV Acid/BN	Completed		EPA 3550	07/19/01	SAS	
1,2,4-Trichlorobenzene 8270	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	
1,2-Dichlorobenzene by 8270	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	
1,2-Diphenylhydrazine	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	
1,3-Dichlorobenzene by 8270	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	
1,4-Dichlorobenzene by 8270	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	
2,3,7,8-TCDD by 8270	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	
2,4,6-Trichlorophenol	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	
2,4-Dichlorophenol	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	
2,4-Dimethylphenol	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	
2,4-Dinitrophenol	<660	ug/kg dry sample	EPA 8270	07/20/01	KTL	
2,4-Dinitrotoluene	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	
2,6-Dinitrotoluene	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	
2-Chloronaphthalene	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	
2-Chlorophenol	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	
2-Methyl-4,6-dinitrophenol	<660	ug/kg dry sample	EPA 8270	07/20/01	KTL	
2-Nitrophenol	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	
3,3'-Dichlorobenzidine	<660	ug/kg dry sample	EPA 8270	07/20/01	KTL	
4-Bromophenyl phenyl ether	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	
4-Chloro-3-methylphenol	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	
4-Chlorophenyl phenyl ether	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	
4-Nitrophenol	<660	ug/kg dry sample	EPA 8270	07/20/01	KTL	
Acenaphthene	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	
Acenaphthylene	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	
Anthracene	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	
Benzidine	<1650	ug/kg dry sample	EPA 8270	07/20/01	KTL	
Benzo(a)anthracene	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	
Benzo(a)pyrene	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	
Benzo(b)fluoranthene	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	
Benzo(ghi)perylene	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	
Benzo(k)fluoranthene	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	
Bis(2-chloroethoxy)methane	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	
Bis(2-chloroethyl)ether	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	
Bis(2-chloroisopropyl)ether	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	
Bis(2-ethylhexyl)phthalate	550	ug/kg dry sample	EPA 8270	07/20/01	KTL	
Butylbenzyl phthalate	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	
Chrysene	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	

LABORATORY DETAIL REPORT

Client: *Strebor Inc.*

KAR Project No. : *013577*

Date Reported : *07/24/01*

Project Desc. : *Analysis of 12 soil samples.*

Sample ID : *"GP-20-3"*

Sampled By : *MM of Strebor, Inc.*

Sample Date : *7/6/01*

Sample Time : *1250*

Date Received : *7/10/01*

Sample Type : *soil*

KAR Sample No. : *013577-01*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Di-N-butylphthalate	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	
Di-n-Octyl phthalate	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	
Dibenzo(ah)anthracene	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	
Diethyl phthalate	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	
Dimethyl phthalate	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	
Fluoranthene	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	
Fluorene	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	
Hexachlorobenzene	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	
Hexachlorobutadiene	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	
Hexachlorocyclopentadiene	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	
Hexachloroethane	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	
Indeno(123cd)pyrene	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	
Isophorone	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	
N-Nitrosodi-n-propylamine	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	
N-Nitrosodimethylamine	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	
N-Nitrosodiphenylamine	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	
Naphthalene by Method 8270	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	
Nitrobenzene	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	
Pentachlorophenol	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	
Phenanthrene	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	
Phenol	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	
Pyrene	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	

LABORATORY DETAIL REPORT

Client: *Strebor Inc.*

KAR Project No. : *013577*

Date Reported : *07/24/01*

Project Desc. : *Analysis of 12 soil samples.*

Sample ID : *"GP-22-2"*

Sampled By : *MM of Strebor, Inc.*

Sample Date : *7/5/01*

Sample Time : *1525*

Date Received : *7/10/01*

Sample Type : *soil*

KAR Sample No. : *013577-02*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Prep, Hg	Completed		EPA 7471A	07/18/01	DBL	
Prep, metals	Completed		EPA 30xx,200.x	07/16/01	DBL	
Arsenic, total, low level	12.0	mg/kg dry sample	EPA 6020	07/20/01	DBL	
Barium, total, low level	195	mg/kg dry sample	EPA 6010B	07/18/01	PML	
Cadmium, total, low level	0.39	mg/kg dry sample	EPA 6020	07/20/01	DBL	
Chromium, total, low level	15.9	mg/kg dry sample	EPA 6010B	07/18/01	PML	
Lead, total	30	mg/kg dry sample	EPA 6010B	07/18/01	PML	
Mercury, total, low level	0.42	mg/kg dry sample	EPA 7471A	07/19/01	DBL	
Selenium, total, low level	<1.5	mg/kg dry sample	EPA 6020	07/20/01	DBL	Elevated detection limit due to sample matrix interference.
Silver, total	<0.5	mg/kg dry sample	EPA 6010B	07/18/01	PML	
Dry weight solids	80.65	% by weight	SM(18) 2540B mod	07/13/01	BLF	
EPA 8260 Plus	See below		EPA 8260	07/16/01	DLB	
Prep, VOA	Completed		EPA 5035	07/16/01	DLB	Sample was field-preserved at time of collection.
1,1,1,2-Tetrachloroethane	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,1,1-Trichloroethane	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,1,2,2-Tetrachloroethane	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,1,2-Trichloroethane	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,1-Dichloroethane	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,1-Dichloroethene	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,2,3-Trichloropropane	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,2,4-Trichlorobenzene	<250	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,2,4-Trimethylbenzene	1200	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,2-Dibromo-3-chloropropane	<250	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,2-Dichlorobenzene	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,2-Dichloroethane	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,2-Dichloropropane	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,3,5-Trimethylbenzene	290	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,3-Dichlorobenzene	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,4-Dichlorobenzene	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
2-Butanone	<750	ug/kg dry sample	EPA 8260	07/16/01	DLB	
2-Hexanone	<2500	ug/kg dry sample	EPA 8260	07/16/01	DLB	
2-Methylnaphthalene by 8260	<250	ug/kg dry sample	EPA 8260	07/16/01	DLB	
4-Methyl-2-pentanone	<2500	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Acetone	<750	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Acrylonitrile	<2500	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Benzene	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Bromochloromethane	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	

LABORATORY DETAIL REPORT

Client: *Strebor Inc.*

KAR Project No. : *013577*

Date Reported : *07/24/01*

Project Desc. : *Analysis of 12 soil samples.*

Sample ID : *"GP-22-2"*

Sampled By : *MM of Strebor, Inc.*

Sample Date : *7/5/01*

Sample Time : *1525*

Date Received : *7/10/01*

Sample Type : *soil*

KAR Sample No. : *013577-02*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Bromodichloromethane	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Bromoform	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Bromomethane	<250	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Carbon disulfide	<250	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Carbon tetrachloride	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Chlorobenzene	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Chloroethane	<250	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Chloroform	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Chloromethane	<250	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Cis-1,2-Dichloroethene	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Cis-1,3-Dichloropropene	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Dibromochloromethane	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Dibromomethane	<250	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Dichlorodifluoromethane	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Diethyl ether	<2500	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Ethylbenzene	91	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Ethylene dibromide	<250	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Hexachloroethane by 8260	<250	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Isopropylbenzene	<250	ug/kg dry sample	EPA 8260	07/16/01	DLB	
M-and/or p-xylene	410	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Methyl iodide	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Methyl t-butyl ether (MTBE)	<250	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Methylene chloride	<250	ug/kg dry sample	EPA 8260	07/16/01	DLB	
N-Propylbenzene	290	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Naphthalene	<250	ug/kg dry sample	EPA 8260	07/16/01	DLB	
O-Xylene	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Styrene	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Tetrachloroethene	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Toluene	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Trans-1,2-Dichloroethene	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Trans-1,3-Dichloropropene	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Trans-1,4-Dichloro-2-butene	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Trichloroethene	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Trichlorofluoromethane	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Vinyl chloride	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Prior. Poll. acids	See below		EPA 8270	07/20/01	KTL	
Prior. Poll. base-neutrals	See below		EPA 8270	07/20/01	KTL	

LABORATORY DETAIL REPORT

Client: *Strebor Inc.*

KAR Project No. : *013577*

Date Reported : *07/24/01*

Project Desc. : *Analysis of 12 soil samples.*

Sample ID : *"GP-22-2"*

Sampled By : *MM of Strebor, Inc.*

Sample Date : *7/5/01*

Sample Time : *1525*

Date Received : *7/10/01*

Sample Type : *soil*

KAR Sample No. : *013577-02*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Prep, SV Acid/BN	Completed		EPA 3550	07/19/01	SAS	
1,2,4-Trichlorobenzene 8270	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	
1,2-Dichlorobenzene by 8270	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	
1,2-Diphenylhydrazine	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	
1,3-Dichlorobenzene by 8270	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	
1,4-Dichlorobenzene by 8270	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	
2,3,7,8-TCDD by 8270	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	
2,4,6-Trichlorophenol	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	
2,4-Dichlorophenol	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	
2,4-Dimethylphenol	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	
2,4-Dinitrophenol	<660	ug/kg dry sample	EPA 8270	07/20/01	KTL	
2,4-Dinitrotoluene	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	
2,6-Dinitrotoluene	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	
2-Chloronaphthalene	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	
2-Chlorophenol	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	
2-Methyl-4,6-dinitrophenol	<660	ug/kg dry sample	EPA 8270	07/20/01	KTL	
2-Nitrophenol	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	
3,3'-Dichlorobenzidine	<660	ug/kg dry sample	EPA 8270	07/20/01	KTL	
4-Bromophenyl phenyl ether	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	
4-Chloro-3-methylphenol	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	
4-Chlorophenyl phenyl ether	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	
4-Nitrophenol	<660	ug/kg dry sample	EPA 8270	07/20/01	KTL	
Acenaphthene	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	
Acenaphthylene	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	
Anthracene	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	
Benzidine	<1650	ug/kg dry sample	EPA 8270	07/20/01	KTL	
Benzo(a)anthracene	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	
Benzo(a)pyrene	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	
Benzo(b)fluoranthene	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	
Benzo(ghi)perylene	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	
Benzo(k)fluoranthene	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	
Bis(2-chloroethoxy)methane	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	
Bis(2-chloroethyl)ether	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	
Bis(2-chloroisopropyl)ether	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	
Bis(2-ethylhexyl)phthalate	360	ug/kg dry sample	EPA 8270	07/20/01	KTL	
Butylbenzyl phthalate	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	
Chrysene	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	

LABORATORY DETAIL REPORT

Client: *Strebor Inc.*

KAR Project No. : *013577*

Date Reported : *07/24/01*

Project Desc. : *Analysis of 12 soil samples.*

Sample ID : *"GP-22-2"*

Sampled By : *MM of Strebor, Inc.*

Sample Date : *7/5/01*

Sample Time : *1525*

Date Received : *7/10/01*

Sample Type : *soil*

KAR Sample No. : *013577-02*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Di-N-butylphthalate	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	
Di-n-Octyl phthalate	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	
Dibenzo(ah)anthracene	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	
Diethyl phthalate	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	
Dimethyl phthalate	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	
Fluoranthene	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	
Fluorene	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	
Hexachlorobenzene	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	
Hexachlorobutadiene	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	
Hexachlorocyclopentadiene	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	
Hexachloroethane	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	
Indeno(123cd)pyrene	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	
Isophorone	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	
N-Nitrosodi-n-propylamine	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	
N-Nitrosodimethylamine	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	
N-Nitrosodiphenylamine	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	
Naphthalene by Method 8270	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	
Nitrobenzene	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	
Pentachlorophenol	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	
Phenanthrene	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	
Phenol	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	
Pyrene	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	

LABORATORY DETAIL REPORT

Client: *Strebor Inc.*

KAR Project No. : *013577*

Date Reported : *07/24/01*

Project Desc. : *Analysis of 12 soil samples.*

Sample ID : *"GP-27-3"*

Sampled By : *MM of Strebor, Inc.*

Sample Date : *7/6/01*

Sample Time : *1005*

Date Received : *7/10/01*

Sample Type : *soil*

KAR Sample No. : *013577-03*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Prep, Hg	Completed		EPA 7471A	07/18/01	DBL	
Prep, metals	Completed		EPA 30xx,200.x	07/16/01	DBL	
Arsenic, total, low level	5.5	mg/kg dry sample	EPA 6020	07/20/01	DBL	
Barium, total, low level	256	mg/kg dry sample	EPA 6010B	07/18/01	PML	
Cadmium, total, low level	0.24	mg/kg dry sample	EPA 6020	07/20/01	DBL	
Chromium, total, low level	15.3	mg/kg dry sample	EPA 6010B	07/18/01	PML	
Lead, total	20	mg/kg dry sample	EPA 6010B	07/18/01	PML	
Mercury, total, low level	0.47	mg/kg dry sample	EPA 7471A	07/19/01	DBL	
Selenium, total, low level	<1.1	mg/kg dry sample	EPA 6020	07/20/01	DBL	Elevated detection limit due to sample matrix interference.
Silver, total	<0.5	mg/kg dry sample	EPA 6010B	07/18/01	PML	
Dry weight solids	81.79	% by weight	SM(18) 2540B mod	07/13/01	BLF	
EPA 8260 Plus	See below		EPA 8260	07/16/01	DLB	
Prep, VOA	Completed		EPA 5035	07/16/01	DLB	Sample was field-preserved at time of collection.
1,1,1,2-Tetrachloroethane	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,1,1-Trichloroethane	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,1,2,2-Tetrachloroethane	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,1,2-Trichloroethane	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,1-Dichloroethane	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,1-Dichloroethene	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,2,3-Trichloropropane	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,2,4-Trichlorobenzene	<250	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,2,4-Trimethylbenzene	210	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,2-Dibromo-3-chloropropane	<250	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,2-Dichlorobenzene	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,2-Dichloroethane	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,2-Dichloropropane	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,3,5-Trimethylbenzene	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,3-Dichlorobenzene	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,4-Dichlorobenzene	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
2-Butanone	<750	ug/kg dry sample	EPA 8260	07/16/01	DLB	
2-Hexanone	<2500	ug/kg dry sample	EPA 8260	07/16/01	DLB	
2-Methylnaphthalene by 8260	<250	ug/kg dry sample	EPA 8260	07/16/01	DLB	
4-Methyl-2-pentanone	<2500	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Acetone	<750	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Acrylonitrile	<2500	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Benzene	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Bromochloromethane	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	

LABORATORY DETAIL REPORT

Client: *Strebor Inc.*

KAR Project No. : *013577*

Date Reported : *07/24/01*

Project Desc. : *Analysis of 12 soil samples.*

Sample ID : *"GP-27-3"*

Sampled By : *MM of Strebor, Inc.*

Sample Date : *7/6/01*

Sample Time : *1005*

Date Received : *7/10/01*

Sample Type : *soil*

KAR Sample No. : *013577-03*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Bromodichloromethane	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Bromoform	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Bromomethane	<250	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Carbon disulfide	<250	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Carbon tetrachloride	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Chlorobenzene	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Chloroethane	<250	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Chloroform	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Chloromethane	<250	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Cis-1,2-Dichloroethene	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Cis-1,3-Dichloropropene	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Dibromochloromethane	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Dibromomethane	<250	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Dichlorodifluoromethane	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Diethyl ether	<2500	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Ethylbenzene	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Ethylene dibromide	<250	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Hexachloroethane by 8260	<250	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Isopropylbenzene	<250	ug/kg dry sample	EPA 8260	07/16/01	DLB	
M-and/or p-xylene	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Methyl iodide	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Methyl t-butyl ether (MTBE)	<250	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Methylene chloride	<250	ug/kg dry sample	EPA 8260	07/16/01	DLB	
N-Propylbenzene	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Naphthalene	<250	ug/kg dry sample	EPA 8260	07/16/01	DLB	
O-Xylene	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Styrene	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Tetrachloroethene	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Toluene	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Trans-1,2-Dichloroethene	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Trans-1,3-Dichloropropene	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Trans-1,4-Dichloro-2-butene	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Trichloroethene	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Trichlorofluoromethane	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Vinyl chloride	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Prior. Poll. acids	See below		EPA 8270	07/20/01	KTL	
Prior. Poll. base-neutrals	See below		EPA 8270	07/20/01	KTL	

LABORATORY DETAIL REPORT

Client: *Strebor Inc.*

KAR Project No. : *013577*

Date Reported : *07/24/01*

Project Desc. : *Analysis of 12 soil samples.*

Sample ID : *"GP-27-3"*

Sampled By : *MM of Strebor, Inc.*

Sample Date : *7/6/01*

Sample Time : *1005*

Date Received : *7/10/01*

Sample Type : *soil*

KAR Sample No. : *013577-03*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Prep, SV Acid/BN	Completed		EPA 3550	07/19/01	SAS	
1,2,4-Trichlorobenzene 8270	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	
1,2-Dichlorobenzene by 8270	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	
1,2-Diphenylhydrazine	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	
1,3-Dichlorobenzene by 8270	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	
1,4-Dichlorobenzene by 8270	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	
2,3,7,8-TCDD by 8270	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	
2,4,6-Trichlorophenol	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	
2,4-Dichlorophenol	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	
2,4-Dimethylphenol	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	
2,4-Dinitrophenol	<660	ug/kg dry sample	EPA 8270	07/20/01	KTL	
2,4-Dinitrotoluene	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	
2,6-Dinitrotoluene	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	
2-Chloronaphthalene	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	
2-Chlorophenol	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	
2-Methyl-4,6-dinitrophenol	<660	ug/kg dry sample	EPA 8270	07/20/01	KTL	
2-Nitrophenol	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	
3,3'-Dichlorobenzidine	<660	ug/kg dry sample	EPA 8270	07/20/01	KTL	
4-Bromophenyl phenyl ether	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	
4-Chloro-3-methylphenol	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	
4-Chlorophenyl phenyl ether	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	
4-Nitrophenol	<660	ug/kg dry sample	EPA 8270	07/20/01	KTL	
Acenaphthene	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	
Acenaphthylene	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	
Anthracene	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	
Benzidine	<1650	ug/kg dry sample	EPA 8270	07/20/01	KTL	
Benzo(a)anthracene	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	
Benzo(a)pyrene	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	
Benzo(b)fluoranthene	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	
Benzo(ghi)perylene	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	
Benzo(k)fluoranthene	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	
Bis(2-chloroethoxy)methane	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	
Bis(2-chloroethyl)ether	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	
Bis(2-chloroisopropyl)ether	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	
Bis(2-ethylhexyl)phthalate	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	
Butylbenzyl phthalate	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	
Chrysene	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	

LABORATORY DETAIL REPORT

Client: *Strebor Inc.*

KAR Project No. : *013577*

Date Reported : *07/24/01*

Project Desc. : *Analysis of 12 soil samples.*

Sample ID : *"GP-27-3"*

Sampled By : *MM of Strebor, Inc.*

Sample Date : *7/6/01*

Sample Time : *1005*

Date Received : *7/10/01*

Sample Type : *soil*

KAR Sample No. : *013577-03*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Di-N-butylphthalate	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	
Di-n-Octyl phthalate	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	
Dibenzo(ah)anthracene	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	
Diethyl phthalate	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	
Dimethyl phthalate	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	
Fluoranthene	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	
Fluorene	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	
Hexachlorobenzene	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	
Hexachlorobutadiene	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	
Hexachlorocyclopentadiene	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	
Hexachloroethane	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	
Indeno(123cd)pyrene	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	
Isophorone	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	
N-Nitrosodi-n-propylamine	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	
N-Nitrosodimethylamine	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	
N-Nitrosodiphenylamine	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	
Naphthalene by Method 8270	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	
Nitrobenzene	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	
Pentachlorophenol	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	
Phenanthrene	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	
Phenol	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	
Pyrene	<330	ug/kg dry sample	EPA 8270	07/20/01	KTL	

LABORATORY DETAIL REPORT

Client: *Strebor Inc.*

KAR Project No. : *013577*

Date Reported : *07/24/01*

Project Desc. : *Analysis of 12 soil samples.*

Sample ID : *"GP-19-3.5"*

Sampled By : *MM of Strebor, Inc.*

Sample Date : *7/11/01*

Sample Time : *1020*

Date Received : *7/11/01*

Sample Type : *soil*

KAR Sample No. : *013577-04*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Prep, Hg	Completed		EPA 7471A	07/18/01	DBL	
Prep, metals	Completed		EPA 30xx,200.x	07/16/01	DBL	
Arsenic, total, low level	5.5	mg/kg dry sample	EPA 6020	07/20/01	DBL	
Barium, total, low level	162	mg/kg dry sample	EPA 6010B	07/18/01	PML	
Cadmium, total, low level	0.37	mg/kg dry sample	EPA 6020	07/20/01	DBL	
Chromium, total, low level	13.5	mg/kg dry sample	EPA 6010B	07/18/01	PML	
Lead, total	45	mg/kg dry sample	EPA 6010B	07/18/01	PML	
Mercury, total, low level	2.74	mg/kg dry sample	EPA 7471A	07/19/01	DBL	
Selenium, total, low level	<1.2	mg/kg dry sample	EPA 6020	07/20/01	DBL	Elevated detection limit due to sample matrix interference.
Silver, total	<0.5	mg/kg dry sample	EPA 6010B	07/18/01	PML	
Dry weight solids	89.38	% by weight	SM(18) 2540B mod	07/13/01	BLF	
EPA 8260 Plus	See below		EPA 8260	07/16/01	DLB	
Prep, VOA	Completed		EPA 5035	07/16/01	DLB	Sample was field-preserved at time of collection.
1,1,1,2-Tetrachloroethane	<20,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,1,1-Trichloroethane	<10,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,1,2,2-Tetrachloroethane	<20,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,1,2-Trichloroethane	<10,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,1-Dichloroethane	<10,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,1-Dichloroethene	<10,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,2,3-Trichloropropane	<20,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,2,4-Trichlorobenzene	<50,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,2,4-Trimethylbenzene	280,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,2-Dibromo-3-chloropropane	<50,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,2-Dichlorobenzene	<20,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,2-Dichloroethane	<10,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,2-Dichloropropane	<10,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,3,5-Trimethylbenzene	96,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,3-Dichlorobenzene	<20,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,4-Dichlorobenzene	<20,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
2-Butanone	<150,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
2-Hexanone	<500,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
2-Methylnaphthalene by 8260	<50,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
4-Methyl-2-pentanone	<500,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Acetone	<150,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Acrylonitrile	<500,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Benzene	<10,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Bromochloromethane	<20,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	

LABORATORY DETAIL REPORT

Client: *Strebor Inc.*

KAR Project No. : *013577*

Date Reported : *07/24/01*

Project Desc. : *Analysis of 12 soil samples.*

Sample ID : *"GP-19-3.5"*

Sampled By : *MM of Strebor, Inc.*

Sample Date : *7/11/01*

Sample Time : *1020*

Date Received : *7/11/01*

Sample Type : *soil*

KAR Sample No. : *013577-04*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Bromodichloromethane	<20,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Bromoform	<20,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Bromomethane	<50,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Carbon disulfide	<50,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Carbon tetrachloride	<10,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Chlorobenzene	<10,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Chloroethane	<50,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Chloroform	<10,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Chloromethane	<50,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Cis-1,2-Dichloroethene	<10,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Cis-1,3-Dichloropropene	<10,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Dibromochloromethane	<20,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Dibromomethane	<50,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Dichlorodifluoromethane	<20,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Diethyl ether	<500,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Ethylbenzene	<10,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Ethylene dibromide	<50,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Hexachloroethane by 8260	<50,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Isopropylbenzene	<50,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
M-and/or p-xylene	<20,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Methyl iodide	<20,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Methyl t-butyl ether (MTBE)	<50,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Methylene chloride	<50,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
N-Propylbenzene	38,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Naphthalene	<50,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
O-Xylene	38,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Styrene	<10,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Tetrachloroethene	<10,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Toluene	<20,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Trans-1,2-Dichloroethene	<10,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Trans-1,3-Dichloropropene	<10,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Trans-1,4-Dichloro-2-butene	<10,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Trichloroethene	<10,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Trichlorofluoromethane	<20,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Vinyl chloride	<20,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Prior. Poll. acids	See below		EPA 8270	07/23/01	KTL	
Prior. Poll. base-neutrals	See below		EPA 8270	07/23/01	KTL	

LABORATORY DETAIL REPORT

Client: *Strebor Inc.*

KAR Project No. : *013577*

Date Reported : *07/24/01*

Project Desc. : *Analysis of 12 soil samples.*

Sample ID : *"GP-19-3.5"*

Sampled By : *MM of Strebor, Inc.*

Sample Date : *7/11/01*

Sample Time : *1020*

Date Received : *7/11/01*

Sample Type : *soil*

KAR Sample No. : *013577-04*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Prep, SV Acid/BN	Completed		EPA 3545	07/20/01	SAS	
1,2,4-Trichlorobenzene 8270	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
1,2-Dichlorobenzene by 8270	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
1,2-Diphenylhydrazine	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
1,3-Dichlorobenzene by 8270	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
1,4-Dichlorobenzene by 8270	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
2,3,7,8-TCDD by 8270	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
2,4,6-Trichlorophenol	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
2,4-Dichlorophenol	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
2,4-Dimethylphenol	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
2,4-Dinitrophenol	<660	ug/kg dry sample	EPA 8270	07/23/01	KTL	
2,4-Dinitrotoluene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
2,6-Dinitrotoluene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
2-Chloronaphthalene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
2-Chlorophenol	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
2-Methyl-4,6-dinitrophenol	<660	ug/kg dry sample	EPA 8270	07/23/01	KTL	
2-Nitrophenol	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
3,3'-Dichlorobenzidine	<660	ug/kg dry sample	EPA 8270	07/23/01	KTL	
4-Bromophenyl phenyl ether	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
4-Chloro-3-methylphenol	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
4-Chlorophenyl phenyl ether	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
4-Nitrophenol	<660	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Acenaphthene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Acenaphthylene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Anthracene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Benzidine	<1650	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Benzo(a)anthracene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Benzo(a)pyrene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Benzo(b)fluoranthene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Benzo(ghi)perylene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Benzo(k)fluoranthene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Bis(2-chloroethoxy)methane	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Bis(2-chloroethyl)ether	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Bis(2-chloroisopropyl)ether	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Bis(2-ethylhexyl)phthalate	45,000	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Butylbenzyl phthalate	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Chrysene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	

LABORATORY DETAIL REPORT

Client: *Strebor Inc.*

KAR Project No. : *013577*

Date Reported : *07/24/01*

Project Desc. : *Analysis of 12 soil samples.*

Sample ID : *"GP-19-3.5"*

Sampled By : *MM of Strebor, Inc.*

Sample Date : *7/11/01*

Sample Time : *1020*

Date Received : *7/11/01*

Sample Type : *soil*

KAR Sample No. : *013577-04*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Di-N-butylphthalate	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Di-n-Octyl phthalate	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Dibenzo(ah)anthracene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Diethyl phthalate	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Dimethyl phthalate	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Fluoranthene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Fluorene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Hexachlorobenzene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Hexachlorobutadiene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Hexachlorocyclopentadiene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Hexachloroethane	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Indeno(123cd)pyrene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Isophorone	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
N-Nitrosodi-n-propylamine	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
N-Nitrosodimethylamine	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
N-Nitrosodiphenylamine	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Naphthalene by Method 8270	5800	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Nitrobenzene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Pentachlorophenol	49,000	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Phenanthrene	480	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Phenol	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Pyrene	720	ug/kg dry sample	EPA 8270	07/23/01	KTL	

LABORATORY DETAIL REPORT

Client: *Strebor Inc.*

KAR Project No. : *013577*

Date Reported : *07/24/01*

Project Desc. : *Analysis of 12 soil samples.*

Sample ID : *"GP-19-DUP"*

Sampled By : *MM of Strebor, Inc.*

Sample Date : *7/11/01*

Sample Time : *1020*

Date Received : *7/11/01*

Sample Type : *soil*

KAR Sample No. : *013577-05*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Prep, Hg	Completed		EPA 7471A	07/18/01	DBL	
Prep, metals	Completed		EPA 30xx,200.x	07/16/01	DBL	
Arsenic, total, low level	4.3	mg/kg dry sample	EPA 6020	07/20/01	DBL	
Barium, total, low level	158	mg/kg dry sample	EPA 6010B	07/18/01	PML	
Cadmium, total, low level	0.23	mg/kg dry sample	EPA 6020	07/20/01	DBL	
Chromium, total, low level	14.5	mg/kg dry sample	EPA 6010B	07/18/01	PML	
Lead, total	25	mg/kg dry sample	EPA 6010B	07/18/01	PML	
Mercury, total, low level	0.56	mg/kg dry sample	EPA 7471A	07/19/01	DBL	
Selenium, total, low level	<1.5	mg/kg dry sample	EPA 6020	07/20/01	DBL	Elevated detection limit due to sample matrix interference.
Silver, total	<0.5	mg/kg dry sample	EPA 6010B	07/18/01	PML	
Dry weight solids	89.45	% by weight	SM(18) 2540B mod	07/13/01	BLF	
EPA 8260 Plus	See below		EPA 8260	07/16/01	DLB	
Prep, VOA	Completed		EPA 5035	07/16/01	DLB	Sample was field-preserved at time of collection.
1,1,1,2-Tetrachloroethane	<20,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,1,1-Trichloroethane	<10,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,1,2,2-Tetrachloroethane	<20,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,1,2-Trichloroethane	<10,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,1-Dichloroethane	<10,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,1-Dichloroethene	<10,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,2,3-Trichloropropane	<20,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,2,4-Trichlorobenzene	<50,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,2,4-Trimethylbenzene	320,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,2-Dibromo-3-chloropropane	<50,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,2-Dichlorobenzene	<20,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,2-Dichloroethane	<10,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,2-Dichloropropane	<10,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,3,5-Trimethylbenzene	110,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,3-Dichlorobenzene	<20,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,4-Dichlorobenzene	<20,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
2-Butanone	<150,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
2-Hexanone	<500,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
2-Methylnaphthalene by 8260	<50,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
4-Methyl-2-pentanone	<500,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Acetone	<150,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Acrylonitrile	<500,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Benzene	<10,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Bromochloromethane	<20,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	

LABORATORY DETAIL REPORT

Client: *Strebor Inc.*

KAR Project No. : *013577*

Date Reported : *07/24/01*

Project Desc. : *Analysis of 12 soil samples.*

Sample ID : *"GP-19-DUP"*

Sampled By : *MM of Strebor, Inc.*

Sample Date : *7/11/01*

Sample Time : *1020*

Date Received : *7/11/01*

Sample Type : *soil*

KAR Sample No. : *013577-05*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Bromodichloromethane	<20,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Bromoform	<20,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Bromomethane	<50,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Carbon disulfide	<50,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Carbon tetrachloride	<10,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Chlorobenzene	<10,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Chloroethane	<50,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Chloroform	<10,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Chloromethane	<50,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Cis-1,2-Dichloroethene	<10,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Cis-1,3-Dichloropropene	<10,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Dibromochloromethane	<20,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Dibromomethane	<50,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Dichlorodifluoromethane	<20,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Diethyl ether	<500,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Ethylbenzene	<10,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Ethylene dibromide	<50,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Hexachloroethane by 8260	<50,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Isopropylbenzene	<50,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
M-and/or p-xylene	<20,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Methyl iodide	<20,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Methyl t-butyl ether (MTBE)	<50,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Methylene chloride	<50,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
N-Propylbenzene	40,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Naphthalene	<50,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
O-Xylene	44,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Styrene	<10,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Tetrachloroethene	<10,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Toluene	<20,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Trans-1,2-Dichloroethene	<10,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Trans-1,3-Dichloropropene	<10,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Trans-1,4-Dichloro-2-butene	<10,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Trichloroethene	<10,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Trichlorofluoromethane	<20,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Vinyl chloride	<20,000	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Prior. Poll. acids	See below		EPA 8270	07/23/01	KTL	
Prior. Poll. base-neutrals	See below		EPA 8270	07/23/01	KTL	

LABORATORY DETAIL REPORT

Client: *Strebor Inc.*

KAR Project No. : *013577*

Date Reported : *07/24/01*

Project Desc. : *Analysis of 12 soil samples.*

Sample ID : *"GP-19-DUP"*

Sampled By : *MM of Strebor, Inc.*

Sample Date : *7/11/01*

Sample Time : *1020*

Date Received : *7/11/01*

Sample Type : *soil*

KAR Sample No. : *013577-05*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Prep, SV Acid/BN	Completed		EPA 3545	07/20/01	SAS	
1,2,4-Trichlorobenzene 8270	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
1,2-Dichlorobenzene by 8270	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
1,2-Diphenylhydrazine	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
1,3-Dichlorobenzene by 8270	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
1,4-Dichlorobenzene by 8270	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
2,3,7,8-TCDD by 8270	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
2,4,6-Trichlorophenol	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
2,4-Dichlorophenol	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
2,4-Dimethylphenol	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
2,4-Dinitrophenol	<660	ug/kg dry sample	EPA 8270	07/23/01	KTL	
2,4-Dinitrotoluene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
2,6-Dinitrotoluene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
2-Chloronaphthalene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
2-Chlorophenol	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
2-Methyl-4,6-dinitrophenol	<660	ug/kg dry sample	EPA 8270	07/23/01	KTL	
2-Nitrophenol	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
3,3'-Dichlorobenzidine	<660	ug/kg dry sample	EPA 8270	07/23/01	KTL	
4-Bromophenyl phenyl ether	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
4-Chloro-3-methylphenol	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
4-Chlorophenyl phenyl ether	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
4-Nitrophenol	<660	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Acenaphthene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Acenaphthylene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Anthracene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Benzidine	<1650	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Benzo(a)anthracene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Benzo(a)pyrene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Benzo(b)fluoranthene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Benzo(ghi)perylene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Benzo(k)fluoranthene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Bis(2-chloroethoxy)methane	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Bis(2-chloroethyl)ether	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Bis(2-chloroisopropyl)ether	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Bis(2-ethylhexyl)phthalate	45,000	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Butylbenzyl phthalate	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Chrysene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	

LABORATORY DETAIL REPORT

Client: *Strebor Inc.*

KAR Project No. : *013577*

Date Reported : *07/24/01*

Project Desc. : *Analysis of 12 soil samples.*

Sample ID : *"GP-19-DUP"*

Sampled By : *MM of Strebor, Inc.*

Sample Date : *7/11/01*

Sample Time : *1020*

Date Received : *7/11/01*

Sample Type : *soil*

KAR Sample No. : *013577-05*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Di-N-butylphthalate	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Di-n-Octyl phthalate	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Dibenzo(ah)anthracene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Diethyl phthalate	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Dimethyl phthalate	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Fluoranthene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Fluorene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Hexachlorobenzene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Hexachlorobutadiene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Hexachlorocyclopentadiene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Hexachloroethane	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Indeno(123cd)pyrene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Isophorone	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
N-Nitrosodi-n-propylamine	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
N-Nitrosodimethylamine	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
N-Nitrosodiphenylamine	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Naphthalene by Method 8270	6500	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Nitrobenzene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Pentachlorophenol	48,000	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Phenanthrene	390	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Phenol	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Pyrene	570	ug/kg dry sample	EPA 8270	07/23/01	KTL	

LABORATORY DETAIL REPORT

Client: *Strebor Inc.*

KAR Project No. : *013577*

Date Reported : *07/24/01*

Project Desc. : *Analysis of 12 soil samples.*

Sample ID : *"GP-21-3.5"*

Sampled By : *MM of Strebor, Inc.*

Sample Date : *7/11/01*

Sample Time : *0940*

Date Received : *7/11/01*

Sample Type : *soil*

KAR Sample No. : *013577-06*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Prep, Hg	Completed		EPA 7471A	07/18/01	DBL	
Prep, metals	Completed		EPA 30xx,200.x	07/16/01	DBL	
Arsenic, total, low level	3.5	mg/kg dry sample	EPA 6020	07/20/01	DBL	
Barium, total, low level	63	mg/kg dry sample	EPA 6010B	07/18/01	PML	
Cadmium, total, low level	0.14	mg/kg dry sample	EPA 6020	07/20/01	DBL	
Chromium, total, low level	9.5	mg/kg dry sample	EPA 6010B	07/18/01	PML	
Lead, total	13	mg/kg dry sample	EPA 6010B	07/18/01	PML	
Mercury, total, low level	0.36	mg/kg dry sample	EPA 7471A	07/19/01	DBL	
Selenium, total, low level	<1	mg/kg dry sample	EPA 6020	07/20/01	DBL	Elevated detection limit due to sample matrix interference.
Silver, total	<0.5	mg/kg dry sample	EPA 6010B	07/18/01	PML	
Dry weight solids	95.21	% by weight	SM(18) 2540B mod	07/13/01	BLF	
EPA 8260 Plus	See below		EPA 8260	07/16/01	DLB	
Prep, VOA	Completed		EPA 5035	07/16/01	DLB	Sample was field-preserved at time of collection.
1,1,1,2-Tetrachloroethane	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,1,1-Trichloroethane	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,1,2,2-Tetrachloroethane	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,1,2-Trichloroethane	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,1-Dichloroethane	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,1-Dichloroethene	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,2,3-Trichloropropane	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,2,4-Trichlorobenzene	<250	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,2,4-Trimethylbenzene	460	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,2-Dibromo-3-chloropropane	<250	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,2-Dichlorobenzene	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,2-Dichloroethane	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,2-Dichloropropane	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,3,5-Trimethylbenzene	140	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,3-Dichlorobenzene	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,4-Dichlorobenzene	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
2-Butanone	<750	ug/kg dry sample	EPA 8260	07/16/01	DLB	
2-Hexanone	<2500	ug/kg dry sample	EPA 8260	07/16/01	DLB	
2-Methylnaphthalene by 8260	<250	ug/kg dry sample	EPA 8260	07/16/01	DLB	
4-Methyl-2-pentanone	<2500	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Acetone	<750	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Acrylonitrile	<2500	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Benzene	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Bromochloromethane	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	

LABORATORY DETAIL REPORT

Client: *Strebor Inc.*

KAR Project No. : *013577*

Date Reported : *07/24/01*

Project Desc. : *Analysis of 12 soil samples.*

Sample ID : *"GP-21-3.5"*

Sampled By : *MM of Strebor, Inc.*

Sample Date : *7/11/01*

Sample Time : *0940*

Date Received : *7/11/01*

Sample Type : *soil*

KAR Sample No. : *013577-06*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Bromodichloromethane	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Bromoform	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Bromomethane	<250	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Carbon disulfide	<250	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Carbon tetrachloride	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Chlorobenzene	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Chloroethane	<250	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Chloroform	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Chloromethane	<250	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Cis-1,2-Dichloroethene	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Cis-1,3-Dichloropropene	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Dibromochloromethane	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Dibromomethane	<250	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Dichlorodifluoromethane	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Diethyl ether	<2500	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Ethylbenzene	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Ethylene dibromide	<250	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Hexachloroethane by 8260	<250	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Isopropylbenzene	<250	ug/kg dry sample	EPA 8260	07/16/01	DLB	
M-and/or p-xylene	100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Methyl iodide	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Methyl t-butyl ether (MTBE)	<250	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Methylene chloride	<250	ug/kg dry sample	EPA 8260	07/16/01	DLB	
N-Propylbenzene	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Naphthalene	<250	ug/kg dry sample	EPA 8260	07/16/01	DLB	
O-Xylene	93	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Styrene	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Tetrachloroethene	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Toluene	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Trans-1,2-Dichloroethene	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Trans-1,3-Dichloropropene	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Trans-1,4-Dichloro-2-butene	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Trichloroethene	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Trichlorofluoromethane	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Vinyl chloride	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Prior. Poll. acids	See below		EPA 8270	07/23/01	KTL	
Prior. Poll. base-neutrals	See below		EPA 8270	07/23/01	KTL	

LABORATORY DETAIL REPORT

Client: *Strebor Inc.*

KAR Project No. : *013577*

Date Reported : *07/24/01*

Project Desc. : *Analysis of 12 soil samples.*

Sample ID : *"GP-21-3.5"*

Sampled By : *MM of Strebor, Inc.*

Sample Date : *7/11/01*

Sample Time : *0940*

Date Received : *7/11/01*

Sample Type : *soil*

KAR Sample No. : *013577-06*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Prep, SV Acid/BN	Completed		EPA 3545	07/20/01	SAS	
1,2,4-Trichlorobenzene 8270	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
1,2-Dichlorobenzene by 8270	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
1,2-Diphenylhydrazine	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
1,3-Dichlorobenzene by 8270	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
1,4-Dichlorobenzene by 8270	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
2,3,7,8-TCDD by 8270	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
2,4,6-Trichlorophenol	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
2,4-Dichlorophenol	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
2,4-Dimethylphenol	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
2,4-Dinitrophenol	<660	ug/kg dry sample	EPA 8270	07/23/01	KTL	
2,4-Dinitrotoluene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
2,6-Dinitrotoluene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
2-Chloronaphthalene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
2-Chlorophenol	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
2-Methyl-4,6-dinitrophenol	<660	ug/kg dry sample	EPA 8270	07/23/01	KTL	
2-Nitrophenol	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
3,3'-Dichlorobenzidine	<660	ug/kg dry sample	EPA 8270	07/23/01	KTL	
4-Bromophenyl phenyl ether	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
4-Chloro-3-methylphenol	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
4-Chlorophenyl phenyl ether	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
4-Nitrophenol	<660	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Acenaphthene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Acenaphthylene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Anthracene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Benzidine	<1650	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Benzo(a)anthracene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Benzo(a)pyrene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Benzo(b)fluoranthene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Benzo(ghi)perylene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Benzo(k)fluoranthene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Bis(2-chloroethoxy)methane	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Bis(2-chloroethyl)ether	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Bis(2-chloroisopropyl)ether	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Bis(2-ethylhexyl)phthalate	570	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Butylbenzyl phthalate	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Chrysene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	

LABORATORY DETAIL REPORT

Client: *Strebor Inc.*

KAR Project No. : *013577*

Date Reported : *07/24/01*

Project Desc. : *Analysis of 12 soil samples.*

Sample ID : *"GP-21-3.5"*

Sampled By : *MM of Strebor, Inc.*

Sample Date : *7/11/01*

Sample Time : *0940*

Date Received : *7/11/01*

Sample Type : *soil*

KAR Sample No. : *013577-06*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Di-N-butylphthalate	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Di-n-Octyl phthalate	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Dibenzo(ah)anthracene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Diethyl phthalate	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Dimethyl phthalate	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Fluoranthene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Fluorene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Hexachlorobenzene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Hexachlorobutadiene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Hexachlorocyclopentadiene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Hexachloroethane	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Indeno(123cd)pyrene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Isophorone	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
N-Nitrosodi-n-propylamine	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
N-Nitrosodimethylamine	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
N-Nitrosodiphenylamine	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Naphthalene by Method 8270	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Nitrobenzene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Pentachlorophenol	2700	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Phenanthrene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Phenol	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Pyrene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	

LABORATORY DETAIL REPORT

Client: *Strebor Inc.*

KAR Project No. : *013577*

Date Reported : *07/24/01*

Project Desc. : *Analysis of 12 soil samples.*

Sample ID : *"GP-23-2.5"*

Sampled By : *MM of Strebor, Inc.*

Sample Date : *7/10/01*

Sample Time : *1440*

Date Received : *7/11/01*

Sample Type : *soil*

KAR Sample No. : *013577-07*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Prep, Hg	Completed		EPA 7471A	07/18/01	DBL	
Prep, metals	Completed		EPA 30xx,200.x	07/16/01	DBL	
Arsenic, total, low level	3.8	mg/kg dry sample	EPA 6020	07/20/01	DBL	
Barium, total, low level	151	mg/kg dry sample	EPA 6010B	07/18/01	PML	
Cadmium, total, low level	0.32	mg/kg dry sample	EPA 6020	07/20/01	DBL	
Chromium, total, low level	13.3	mg/kg dry sample	EPA 6010B	07/18/01	PML	
Lead, total	32	mg/kg dry sample	EPA 6010B	07/18/01	PML	
Mercury, total, low level	1.01	mg/kg dry sample	EPA 7471A	07/19/01	DBL	
Selenium, total, low level	<2.2	mg/kg dry sample	EPA 6020	07/20/01	DBL	Elevated detection limit due to sample matrix interference.
Silver, total	<0.5	mg/kg dry sample	EPA 6010B	07/18/01	PML	
Dry weight solids	88.08	% by weight	SM(18) 2540B mod	07/13/01	BLF	
EPA 8260 Plus	See below		EPA 8260	07/16/01	DLB	
Prep, VOA	Completed		EPA 5035	07/16/01	DLB	Sample was field-preserved at time of collection.
1,1,1,2-Tetrachloroethane	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,1,1-Trichloroethane	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,1,2,2-Tetrachloroethane	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,1,2-Trichloroethane	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,1-Dichloroethane	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,1-Dichloroethene	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,2,3-Trichloropropane	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,2,4-Trichlorobenzene	<250	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,2,4-Trimethylbenzene	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,2-Dibromo-3-chloropropane	<250	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,2-Dichlorobenzene	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,2-Dichloroethane	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,2-Dichloropropane	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,3,5-Trimethylbenzene	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,3-Dichlorobenzene	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,4-Dichlorobenzene	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
2-Butanone	<750	ug/kg dry sample	EPA 8260	07/16/01	DLB	
2-Hexanone	<2500	ug/kg dry sample	EPA 8260	07/16/01	DLB	
2-Methylnaphthalene by 8260	<250	ug/kg dry sample	EPA 8260	07/16/01	DLB	
4-Methyl-2-pentanone	<2500	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Acetone	<750	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Acrylonitrile	<2500	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Benzene	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Bromochloromethane	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	

LABORATORY DETAIL REPORT

Client: *Strebor Inc.*

KAR Project No. : *013577*

Date Reported : *07/24/01*

Project Desc. : *Analysis of 12 soil samples.*

Sample ID : *"GP-23-2.5"*

Sampled By : *MM of Strebor, Inc.*

Sample Date : *7/10/01*

Sample Time : *1440*

Date Received : *7/11/01*

Sample Type : *soil*

KAR Sample No. : *013577-07*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Bromodichloromethane	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Bromoform	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Bromomethane	<250	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Carbon disulfide	<250	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Carbon tetrachloride	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Chlorobenzene	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Chloroethane	<250	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Chloroform	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Chloromethane	<250	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Cis-1,2-Dichloroethene	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Cis-1,3-Dichloropropene	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Dibromochloromethane	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Dibromomethane	<250	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Dichlorodifluoromethane	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Diethyl ether	<2500	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Ethylbenzene	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Ethylene dibromide	<250	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Hexachloroethane by 8260	<250	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Isopropylbenzene	<250	ug/kg dry sample	EPA 8260	07/16/01	DLB	
M-and/or p-xylene	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Methyl iodide	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Methyl t-butyl ether (MTBE)	<250	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Methylene chloride	<250	ug/kg dry sample	EPA 8260	07/16/01	DLB	
N-Propylbenzene	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Naphthalene	<250	ug/kg dry sample	EPA 8260	07/16/01	DLB	
O-Xylene	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Styrene	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Tetrachloroethene	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Toluene	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Trans-1,2-Dichloroethene	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Trans-1,3-Dichloropropene	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Trans-1,4-Dichloro-2-butene	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Trichloroethene	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Trichlorofluoromethane	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Vinyl chloride	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Prior. Poll. acids	See below		EPA 8270	07/23/01	KTL	
Prior. Poll. base-neutrals	See below		EPA 8270	07/23/01	KTL	

LABORATORY DETAIL REPORT

Client: *Strebor Inc.*

KAR Project No. : *013577*

Date Reported : *07/24/01*

Project Desc. : *Analysis of 12 soil samples.*

Sample ID : *"GP-23-2.5"*

Sampled By : *MM of Strebor, Inc.*

Sample Date : *7/10/01*

Sample Time : *1440*

Date Received : *7/11/01*

Sample Type : *soil*

KAR Sample No. : *013577-07*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Prep, SV Acid/BN	Completed		EPA 3545	07/20/01	SAS	
1,2,4-Trichlorobenzene 8270	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
1,2-Dichlorobenzene by 8270	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
1,2-Diphenylhydrazine	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
1,3-Dichlorobenzene by 8270	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
1,4-Dichlorobenzene by 8270	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
2,3,7,8-TCDD by 8270	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
2,4,6-Trichlorophenol	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
2,4-Dichlorophenol	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
2,4-Dimethylphenol	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
2,4-Dinitrophenol	<660	ug/kg dry sample	EPA 8270	07/23/01	KTL	
2,4-Dinitrotoluene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
2,6-Dinitrotoluene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
2-Chloronaphthalene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
2-Chlorophenol	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
2-Methyl-4,6-dinitrophenol	<660	ug/kg dry sample	EPA 8270	07/23/01	KTL	
2-Nitrophenol	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
3,3'-Dichlorobenzidine	<660	ug/kg dry sample	EPA 8270	07/23/01	KTL	
4-Bromophenyl phenyl ether	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
4-Chloro-3-methylphenol	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
4-Chlorophenyl phenyl ether	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
4-Nitrophenol	<660	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Acenaphthene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Acenaphthylene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Anthracene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Benzidine	<1650	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Benzo(a)anthracene	510	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Benzo(a)pyrene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Benzo(b)fluoranthene	620	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Benzo(ghi)perylene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Benzo(k)fluoranthene	600	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Bis(2-chloroethoxy)methane	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Bis(2-chloroethyl)ether	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Bis(2-chloroisopropyl)ether	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Bis(2-ethylhexyl)phthalate	2600	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Butylbenzyl phthalate	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Chrysene	370	ug/kg dry sample	EPA 8270	07/23/01	KTL	

LABORATORY DETAIL REPORT

Client: *Strebor Inc.*

KAR Project No. : *013577*

Date Reported : *07/24/01*

Project Desc. : *Analysis of 12 soil samples.*

Sample ID : *"GP-23-2.5"*

Sampled By : *MM of Strebor, Inc.*

Sample Date : *7/10/01*

Sample Time : *1440*

Date Received : *7/11/01*

Sample Type : *soil*

KAR Sample No. : *013577-07*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Di-N-butylphthalate	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Di-n-Octyl phthalate	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Dibenzo(ah)anthracene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Diethyl phthalate	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Dimethyl phthalate	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Fluoranthene	430	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Fluorene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Hexachlorobenzene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Hexachlorobutadiene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Hexachlorocyclopentadiene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Hexachloroethane	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Indeno(123cd)pyrene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Isophorone	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
N-Nitrosodi-n-propylamine	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
N-Nitrosodimethylamine	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
N-Nitrosodiphenylamine	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Naphthalene by Method 8270	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Nitrobenzene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Pentachlorophenol	670	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Phenanthrene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Phenol	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Pyrene	1000	ug/kg dry sample	EPA 8270	07/23/01	KTL	

LABORATORY DETAIL REPORT

Client: *Strebor Inc.*

KAR Project No. : *013577*

Date Reported : *07/24/01*

Project Desc. : *Analysis of 12 soil samples.*

Sample ID : *"GP-23-3.5"*

Sampled By : *MM of Strebor, Inc.*

Sample Date : *7/10/01*

Sample Time : *1450*

Date Received : *7/11/01*

Sample Type : *soil*

KAR Sample No. : *013577-08*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Prep, Hg	Completed		EPA 7471A	07/18/01	DBL	
Prep, metals	Completed		EPA 30xx,200.x	07/16/01	DBL	
Arsenic, total, low level	0.4	mg/kg dry sample	EPA 6020	07/20/01	DBL	
Barium, total, low level	29	mg/kg dry sample	EPA 6010B	07/18/01	PML	
Cadmium, total, low level	0.05	mg/kg dry sample	EPA 6020	07/20/01	DBL	
Chromium, total, low level	5.8	mg/kg dry sample	EPA 6010B	07/18/01	PML	
Lead, total	3	mg/kg dry sample	EPA 6010B	07/18/01	PML	
Mercury, total, low level	<0.1	mg/kg dry sample	EPA 7471A	07/19/01	DBL	
Selenium, total, low level	<0.5	mg/kg dry sample	EPA 6020	07/20/01	DBL	Elevated detection limit due to sample matrix interference.
Silver, total	<0.5	mg/kg dry sample	EPA 6010B	07/18/01	PML	
Dry weight solids	92.88	% by weight	SM(18) 2540B mod	07/13/01	BLF	
EPA 8260 Plus	See below		EPA 8260	07/16/01	DLB	
Prep, VOA	Completed		EPA 5035	07/16/01	DLB	Sample was field-preserved at time of collection.
1,1,1,2-Tetrachloroethane	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,1,1-Trichloroethane	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,1,2,2-Tetrachloroethane	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,1,2-Trichloroethane	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,1-Dichloroethane	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,1-Dichloroethene	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,2,3-Trichloropropane	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,2,4-Trichlorobenzene	<250	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,2,4-Trimethylbenzene	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,2-Dibromo-3-chloropropane	<250	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,2-Dichlorobenzene	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,2-Dichloroethane	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,2-Dichloropropane	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,3,5-Trimethylbenzene	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,3-Dichlorobenzene	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,4-Dichlorobenzene	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
2-Butanone	<750	ug/kg dry sample	EPA 8260	07/16/01	DLB	
2-Hexanone	<2500	ug/kg dry sample	EPA 8260	07/16/01	DLB	
2-Methylnaphthalene by 8260	<250	ug/kg dry sample	EPA 8260	07/16/01	DLB	
4-Methyl-2-pentanone	<2500	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Acetone	<750	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Acrylonitrile	<2500	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Benzene	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Bromochloromethane	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	

LABORATORY DETAIL REPORT

Client: *Strebor Inc.*

KAR Project No. : *013577*

Date Reported : *07/24/01*

Project Desc. : *Analysis of 12 soil samples.*

Sample ID : *"GP-23-3.5"*

Sampled By : *MM of Strebor, Inc.*

Sample Date : *7/10/01*

Sample Time : *1450*

Date Received : *7/11/01*

Sample Type : *soil*

KAR Sample No. : *013577-08*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Bromodichloromethane	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Bromoform	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Bromomethane	<250	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Carbon disulfide	<250	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Carbon tetrachloride	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Chlorobenzene	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Chloroethane	<250	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Chloroform	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Chloromethane	<250	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Cis-1,2-Dichloroethene	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Cis-1,3-Dichloropropene	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Dibromochloromethane	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Dibromomethane	<250	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Dichlorodifluoromethane	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Diethyl ether	<2500	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Ethylbenzene	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Ethylene dibromide	<250	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Hexachloroethane by 8260	<250	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Isopropylbenzene	<250	ug/kg dry sample	EPA 8260	07/16/01	DLB	
M-and/or p-xylene	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Methyl iodide	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Methyl t-butyl ether (MTBE)	<250	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Methylene chloride	<250	ug/kg dry sample	EPA 8260	07/16/01	DLB	
N-Propylbenzene	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Naphthalene	<250	ug/kg dry sample	EPA 8260	07/16/01	DLB	
O-Xylene	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Styrene	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Tetrachloroethene	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Toluene	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Trans-1,2-Dichloroethene	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Trans-1,3-Dichloropropene	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Trans-1,4-Dichloro-2-butene	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Trichloroethene	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Trichlorofluoromethane	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Vinyl chloride	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Prior. Poll. acids	See below		EPA 8270	07/23/01	KTL	
Prior. Poll. base-neutrals	See below		EPA 8270	07/23/01	KTL	

LABORATORY DETAIL REPORT

Client: *Strebor Inc.*

KAR Project No. : *013577*

Date Reported : *07/24/01*

Project Desc. : *Analysis of 12 soil samples.*

Sample ID : *"GP-23-3.5"*

Sampled By : *MM of Strebor, Inc.*

Sample Date : *7/10/01*

Sample Time : *1450*

Date Received : *7/11/01*

Sample Type : *soil*

KAR Sample No. : *013577-08*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Prep, SV Acid/BN	Completed		EPA 3545	07/20/01	SAS	
1,2,4-Trichlorobenzene 8270	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
1,2-Dichlorobenzene by 8270	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
1,2-Diphenylhydrazine	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
1,3-Dichlorobenzene by 8270	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
1,4-Dichlorobenzene by 8270	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
2,3,7,8-TCDD by 8270	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
2,4,6-Trichlorophenol	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
2,4-Dichlorophenol	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
2,4-Dimethylphenol	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
2,4-Dinitrophenol	<660	ug/kg dry sample	EPA 8270	07/23/01	KTL	
2,4-Dinitrotoluene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
2,6-Dinitrotoluene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
2-Chloronaphthalene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
2-Chlorophenol	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
2-Methyl-4,6-dinitrophenol	<660	ug/kg dry sample	EPA 8270	07/23/01	KTL	
2-Nitrophenol	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
3,3'-Dichlorobenzidine	<660	ug/kg dry sample	EPA 8270	07/23/01	KTL	
4-Bromophenyl phenyl ether	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
4-Chloro-3-methylphenol	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
4-Chlorophenyl phenyl ether	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
4-Nitrophenol	<660	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Acenaphthene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Acenaphthylene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Anthracene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Benzidine	<1650	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Benzo(a)anthracene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Benzo(a)pyrene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Benzo(b)fluoranthene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Benzo(ghi)perylene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Benzo(k)fluoranthene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Bis(2-chloroethoxy)methane	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Bis(2-chloroethyl)ether	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Bis(2-chloroisopropyl)ether	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Bis(2-ethylhexyl)phthalate	530	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Butylbenzyl phthalate	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Chrysene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	

LABORATORY DETAIL REPORT

Client: *Strebor Inc.*

KAR Project No. : *013577*

Date Reported : *07/24/01*

Project Desc. : *Analysis of 12 soil samples.*

Sample ID : *"GP-23-3.5"*

Sampled By : *MM of Strebor, Inc.*

Sample Date : *7/10/01*

Sample Time : *1450*

Date Received : *7/11/01*

Sample Type : *soil*

KAR Sample No. : *013577-08*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Di-N-butylphthalate	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Di-n-Octyl phthalate	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Dibenzo(ah)anthracene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Diethyl phthalate	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Dimethyl phthalate	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Fluoranthene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Fluorene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Hexachlorobenzene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Hexachlorobutadiene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Hexachlorocyclopentadiene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Hexachloroethane	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Indeno(123cd)pyrene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Isophorone	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
N-Nitrosodi-n-propylamine	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
N-Nitrosodimethylamine	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
N-Nitrosodiphenylamine	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Naphthalene by Method 8270	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Nitrobenzene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Pentachlorophenol	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Phenanthrene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Phenol	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Pyrene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	

LABORATORY DETAIL REPORT

Client: *Strebor Inc.*

KAR Project No. : *013577*

Date Reported : *07/24/01*

Project Desc. : *Analysis of 12 soil samples.*

Sample ID : *"GP-24-3.0"*

Sampled By : *MM of Strebor, Inc.*

Sample Date : *7/10/01*

Sample Time : *1405*

Date Received : *7/11/01*

Sample Type : *soil*

KAR Sample No. : *013577-09*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Prep, Hg	Completed		EPA 7471A	07/18/01	DBL	
Prep, metals	Completed		EPA 30xx,200.x	07/16/01	DBL	
Arsenic, total, low level	0.6	mg/kg dry sample	EPA 6020	07/20/01	DBL	
Barium, total, low level	26	mg/kg dry sample	EPA 6010B	07/18/01	PML	
Cadmium, total, low level	0.05	mg/kg dry sample	EPA 6020	07/20/01	DBL	
Chromium, total, low level	7.4	mg/kg dry sample	EPA 6010B	07/18/01	PML	
Lead, total	3	mg/kg dry sample	EPA 6010B	07/18/01	PML	
Mercury, total, low level	<0.1	mg/kg dry sample	EPA 7471A	07/19/01	DBL	
Selenium, total, low level	<0.5	mg/kg dry sample	EPA 6020	07/20/01	DBL	Elevated detection limit due to sample matrix interference.
Silver, total	<0.5	mg/kg dry sample	EPA 6010B	07/18/01	PML	
Dry weight solids	90.94	% by weight	SM(18) 2540B mod	07/13/01	BLF	
EPA 8260 Plus	See below		EPA 8260	07/16/01	DLB	
Prep, VOA	Completed		EPA 5035	07/16/01	DLB	Sample was field-preserved at time of collection.
1,1,1,2-Tetrachloroethane	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,1,1-Trichloroethane	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,1,2,2-Tetrachloroethane	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,1,2-Trichloroethane	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,1-Dichloroethane	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,1-Dichloroethene	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,2,3-Trichloropropane	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,2,4-Trichlorobenzene	<250	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,2,4-Trimethylbenzene	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,2-Dibromo-3-chloropropane	<250	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,2-Dichlorobenzene	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,2-Dichloroethane	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,2-Dichloropropane	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,3,5-Trimethylbenzene	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,3-Dichlorobenzene	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,4-Dichlorobenzene	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
2-Butanone	<750	ug/kg dry sample	EPA 8260	07/16/01	DLB	
2-Hexanone	<2500	ug/kg dry sample	EPA 8260	07/16/01	DLB	
2-Methylnaphthalene by 8260	<250	ug/kg dry sample	EPA 8260	07/16/01	DLB	
4-Methyl-2-pentanone	<2500	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Acetone	<750	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Acrylonitrile	<2500	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Benzene	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Bromochloromethane	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	

LABORATORY DETAIL REPORT

Client: *Strebor Inc.*

KAR Project No. : *013577*

Date Reported : *07/24/01*

Project Desc. : *Analysis of 12 soil samples.*

Sample ID : *"GP-24-3.0"*

Sampled By : *MM of Strebor, Inc.*

Sample Date : *7/10/01*

Sample Time : *1405*

Date Received : *7/11/01*

Sample Type : *soil*

KAR Sample No. : *013577-09*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Bromodichloromethane	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Bromoform	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Bromomethane	<250	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Carbon disulfide	<250	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Carbon tetrachloride	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Chlorobenzene	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Chloroethane	<250	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Chloroform	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Chloromethane	<250	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Cis-1,2-Dichloroethene	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Cis-1,3-Dichloropropene	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Dibromochloromethane	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Dibromomethane	<250	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Dichlorodifluoromethane	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Diethyl ether	<2500	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Ethylbenzene	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Ethylene dibromide	<250	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Hexachloroethane by 8260	<250	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Isopropylbenzene	<250	ug/kg dry sample	EPA 8260	07/16/01	DLB	
M-and/or p-xylene	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Methyl iodide	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Methyl t-butyl ether (MTBE)	<250	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Methylene chloride	<250	ug/kg dry sample	EPA 8260	07/16/01	DLB	
N-Propylbenzene	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Naphthalene	<250	ug/kg dry sample	EPA 8260	07/16/01	DLB	
O-Xylene	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Styrene	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Tetrachloroethene	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Toluene	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Trans-1,2-Dichloroethene	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Trans-1,3-Dichloropropene	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Trans-1,4-Dichloro-2-butene	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Trichloroethene	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Trichlorofluoromethane	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Vinyl chloride	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Prior. Poll. acids	See below		EPA 8270	07/23/01	KTL	
Prior. Poll. base-neutrals	See below		EPA 8270	07/23/01	KTL	

LABORATORY DETAIL REPORT

Client: *Strebor Inc.*

KAR Project No. : *013577*

Date Reported : *07/24/01*

Project Desc. : *Analysis of 12 soil samples.*

Sample ID : *"GP-24-3.0"*

Sampled By : *MM of Strebor, Inc.*

Sample Date : *7/10/01*

Sample Time : *1405*

Date Received : *7/11/01*

Sample Type : *soil*

KAR Sample No. : *013577-09*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Prep, SV Acid/BN	Completed		EPA 3545	07/20/01	SAS	
1,2,4-Trichlorobenzene 8270	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
1,2-Dichlorobenzene by 8270	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
1,2-Diphenylhydrazine	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
1,3-Dichlorobenzene by 8270	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
1,4-Dichlorobenzene by 8270	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
2,3,7,8-TCDD by 8270	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
2,4,6-Trichlorophenol	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
2,4-Dichlorophenol	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
2,4-Dimethylphenol	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
2,4-Dinitrophenol	<660	ug/kg dry sample	EPA 8270	07/23/01	KTL	
2,4-Dinitrotoluene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
2,6-Dinitrotoluene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
2-Chloronaphthalene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
2-Chlorophenol	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
2-Methyl-4,6-dinitrophenol	<660	ug/kg dry sample	EPA 8270	07/23/01	KTL	
2-Nitrophenol	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
3,3'-Dichlorobenzidine	<660	ug/kg dry sample	EPA 8270	07/23/01	KTL	
4-Bromophenyl phenyl ether	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
4-Chloro-3-methylphenol	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
4-Chlorophenyl phenyl ether	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
4-Nitrophenol	<660	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Acenaphthene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Acenaphthylene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Anthracene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Benzidine	<1650	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Benzo(a)anthracene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Benzo(a)pyrene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Benzo(b)fluoranthene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Benzo(ghi)perylene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Benzo(k)fluoranthene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Bis(2-chloroethoxy)methane	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Bis(2-chloroethyl)ether	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Bis(2-chloroisopropyl)ether	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Bis(2-ethylhexyl)phthalate	530	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Butylbenzyl phthalate	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Chrysene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	

LABORATORY DETAIL REPORT

Client: *Strebor Inc.*

KAR Project No. : *013577*

Date Reported : *07/24/01*

Project Desc. : *Analysis of 12 soil samples.*

Sample ID : *"GP-24-3.0"*

Sampled By : *MM of Strebor, Inc.*

Sample Date : *7/10/01*

Sample Time : *1405*

Date Received : *7/11/01*

Sample Type : *soil*

KAR Sample No. : *013577-09*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Di-N-butylphthalate	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Di-n-Octyl phthalate	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Dibenzo(ah)anthracene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Diethyl phthalate	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Dimethyl phthalate	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Fluoranthene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Fluorene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Hexachlorobenzene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Hexachlorobutadiene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Hexachlorocyclopentadiene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Hexachloroethane	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Indeno(123cd)pyrene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Isophorone	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
N-Nitrosodi-n-propylamine	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
N-Nitrosodimethylamine	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
N-Nitrosodiphenylamine	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Naphthalene by Method 8270	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Nitrobenzene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Pentachlorophenol	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Phenanthrene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Phenol	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Pyrene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	

LABORATORY DETAIL REPORT

Client: *Strebor Inc.*

KAR Project No. : *013577*

Date Reported : *07/24/01*

Project Desc. : *Analysis of 12 soil samples.*

Sample ID : *"GP-25-3.0"*

Sampled By : *MM of Strebor, Inc.*

Sample Date : *7/10/01*

Sample Time : *1220*

Date Received : *7/11/01*

Sample Type : *soil*

KAR Sample No. : *013577-10*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Prep, Hg	Completed		EPA 7471A	07/18/01	DBL	
Prep, metals	Completed		EPA 30xx,200.x	07/16/01	DBL	
Arsenic, total, low level	4.2	mg/kg dry sample	EPA 6020	07/20/01	DBL	
Barium, total, low level	170	mg/kg dry sample	EPA 6010B	07/18/01	PML	
Cadmium, total, low level	0.63	mg/kg dry sample	EPA 6020	07/20/01	DBL	
Chromium, total, low level	11.7	mg/kg dry sample	EPA 6010B	07/18/01	PML	
Lead, total	83	mg/kg dry sample	EPA 6010B	07/18/01	PML	
Mercury, total, low level	1.63	mg/kg dry sample	EPA 7471A	07/19/01	DBL	
Selenium, total, low level	<2.2	mg/kg dry sample	EPA 6020	07/20/01	DBL	Elevated detection limit due to sample matrix interference.
Silver, total	<0.5	mg/kg dry sample	EPA 6010B	07/18/01	PML	
Dry weight solids	83.96	% by weight	SM(18) 2540B mod	07/13/01	BLF	
EPA 8260 Plus	See below		EPA 8260	07/16/01	DLB	
Prep, VOA	Completed		EPA 5035	07/16/01	DLB	Sample was field-preserved at time of collection.
1,1,1,2-Tetrachloroethane	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,1,1-Trichloroethane	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,1,2,2-Tetrachloroethane	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,1,2-Trichloroethane	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,1-Dichloroethane	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,1-Dichloroethene	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,2,3-Trichloropropane	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,2,4-Trichlorobenzene	<250	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,2,4-Trimethylbenzene	480	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,2-Dibromo-3-chloropropane	<250	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,2-Dichlorobenzene	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,2-Dichloroethane	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,2-Dichloropropane	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,3,5-Trimethylbenzene	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,3-Dichlorobenzene	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,4-Dichlorobenzene	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
2-Butanone	<750	ug/kg dry sample	EPA 8260	07/16/01	DLB	
2-Hexanone	<2500	ug/kg dry sample	EPA 8260	07/16/01	DLB	
2-Methylnaphthalene by 8260	<250	ug/kg dry sample	EPA 8260	07/16/01	DLB	
4-Methyl-2-pentanone	<2500	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Acetone	<750	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Acrylonitrile	<2500	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Benzene	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Bromochloromethane	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	

LABORATORY DETAIL REPORT

Client: *Strebor Inc.*

KAR Project No. : *013577*

Date Reported : *07/24/01*

Project Desc. : *Analysis of 12 soil samples.*

Sample ID : *"GP-25-3.0"*

Sampled By : *MM of Strebor, Inc.*

Sample Date : *7/10/01*

Sample Time : *1220*

Date Received : *7/11/01*

Sample Type : *soil*

KAR Sample No. : *013577-10*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Bromodichloromethane	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Bromoform	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Bromomethane	<250	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Carbon disulfide	<250	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Carbon tetrachloride	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Chlorobenzene	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Chloroethane	<250	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Chloroform	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Chloromethane	<250	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Cis-1,2-Dichloroethene	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Cis-1,3-Dichloropropene	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Dibromochloromethane	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Dibromomethane	<250	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Dichlorodifluoromethane	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Diethyl ether	<2500	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Ethylbenzene	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Ethylene dibromide	<250	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Hexachloroethane by 8260	<250	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Isopropylbenzene	<250	ug/kg dry sample	EPA 8260	07/16/01	DLB	
M-and/or p-xylene	210	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Methyl iodide	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Methyl t-butyl ether (MTBE)	<250	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Methylene chloride	<250	ug/kg dry sample	EPA 8260	07/16/01	DLB	
N-Propylbenzene	150	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Naphthalene	<250	ug/kg dry sample	EPA 8260	07/16/01	DLB	
O-Xylene	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Styrene	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Tetrachloroethene	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Toluene	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Trans-1,2-Dichloroethene	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Trans-1,3-Dichloropropene	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Trans-1,4-Dichloro-2-butene	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Trichloroethene	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Trichlorofluoromethane	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Vinyl chloride	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Prior. Poll. acids	See below		EPA 8270	07/23/01	KTL	Elevated detection limit due to sample matrix interference.
Prior. Poll. base-neutrals	See below		EPA 8270	07/23/01	KTL	Elevated detection limit due to sample matrix interference.

LABORATORY DETAIL REPORT

Client: *Strebor Inc.*

KAR Project No. : *013577*

Date Reported : *07/24/01*

Project Desc. : *Analysis of 12 soil samples.*

Sample ID : *"GP-25-3.0"*
Sampled By : *MM of Strebor, Inc.*
Sample Date : *7/10/01*
Sample Time : *1220*

Date Received : *7/11/01*
Sample Type : *soil*
KAR Sample No. : *013577-10*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Prep, SV Acid/BN	Completed		EPA 3545	07/20/01	SAS	
1,2,4-Trichlorobenzene 8270	<500	ug/kg dry sample	EPA 8270	07/23/01	KTL	Elevated detection limit due to sample matrix interference.
1,2-Dichlorobenzene by 8270	<500	ug/kg dry sample	EPA 8270	07/23/01	KTL	Elevated detection limit due to sample matrix interference.
1,2-Diphenylhydrazine	<500	ug/kg dry sample	EPA 8270	07/23/01	KTL	Elevated detection limit due to sample matrix interference.
1,3-Dichlorobenzene by 8270	<500	ug/kg dry sample	EPA 8270	07/23/01	KTL	Elevated detection limit due to sample matrix interference.
1,4-Dichlorobenzene by 8270	<500	ug/kg dry sample	EPA 8270	07/23/01	KTL	Elevated detection limit due to sample matrix interference.
2,3,7,8-TCDD by 8270	<500	ug/kg dry sample	EPA 8270	07/23/01	KTL	Elevated detection limit due to sample matrix interference.
2,4,6-Trichlorophenol	<500	ug/kg dry sample	EPA 8270	07/23/01	KTL	Elevated detection limit due to sample matrix interference.
2,4-Dichlorophenol	<500	ug/kg dry sample	EPA 8270	07/23/01	KTL	Elevated detection limit due to sample matrix interference.
2,4-Dimethylphenol	<500	ug/kg dry sample	EPA 8270	07/23/01	KTL	Elevated detection limit due to sample matrix interference.
2,4-Dinitrophenol	<1000	ug/kg dry sample	EPA 8270	07/23/01	KTL	Elevated detection limit due to sample matrix interference.
2,4-Dinitrotoluene	<500	ug/kg dry sample	EPA 8270	07/23/01	KTL	Elevated detection limit due to sample matrix interference.
2,6-Dinitrotoluene	<500	ug/kg dry sample	EPA 8270	07/23/01	KTL	Elevated detection limit due to sample matrix interference.
2-Chloronaphthalene	<500	ug/kg dry sample	EPA 8270	07/23/01	KTL	Elevated detection limit due to sample matrix interference.
2-Chlorophenol	<500	ug/kg dry sample	EPA 8270	07/23/01	KTL	Elevated detection limit due to sample matrix interference.
2-Methyl-4,6-dinitrophenol	<1000	ug/kg dry sample	EPA 8270	07/23/01	KTL	Elevated detection limit due to sample matrix interference.
2-Nitrophenol	<500	ug/kg dry sample	EPA 8270	07/23/01	KTL	Elevated detection limit due to sample matrix interference.
3,3'-Dichlorobenzidine	<1000	ug/kg dry sample	EPA 8270	07/23/01	KTL	Elevated detection limit due to sample matrix interference.
4-Bromophenyl phenyl ether	<500	ug/kg dry sample	EPA 8270	07/23/01	KTL	Elevated detection limit due to sample matrix interference.
4-Chloro-3-methylphenol	<500	ug/kg dry sample	EPA 8270	07/23/01	KTL	Elevated detection limit due to sample matrix interference.
4-Chlorophenyl phenyl ether	<500	ug/kg dry sample	EPA 8270	07/23/01	KTL	Elevated detection limit due to sample matrix interference.
4-Nitrophenol	<1000	ug/kg dry sample	EPA 8270	07/23/01	KTL	Elevated detection limit due to sample matrix interference.
Acenaphthene	<500	ug/kg dry sample	EPA 8270	07/23/01	KTL	Elevated detection limit due to sample matrix interference.
Acenaphthylene	<500	ug/kg dry sample	EPA 8270	07/23/01	KTL	Elevated detection limit due to sample matrix interference.
Anthracene	<500	ug/kg dry sample	EPA 8270	07/23/01	KTL	Elevated detection limit due to sample matrix interference.
Benzidine	<2500	ug/kg dry sample	EPA 8270	07/23/01	KTL	Elevated detection limit due to sample matrix interference.
Benzo(a)anthracene	<500	ug/kg dry sample	EPA 8270	07/23/01	KTL	Elevated detection limit due to sample matrix interference.

LABORATORY DETAIL REPORT

Client: *Strebor Inc.*

KAR Project No. : *013577*

Date Reported : *07/24/01*

Project Desc. : *Analysis of 12 soil samples.*

Sample ID : *"GP-25-3.0"*

Sampled By : *MM of Strebor, Inc.*

Sample Date : *7/10/01*

Sample Time : *1220*

Date Received : *7/11/01*

Sample Type : *soil*

KAR Sample No. : *013577-10*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Benzo(a)pyrene	<500	ug/kg dry sample	EPA 8270	07/23/01	KTL	Elevated detection limit due to sample matrix interference.
Benzo(b)fluoranthene	<500	ug/kg dry sample	EPA 8270	07/23/01	KTL	Elevated detection limit due to sample matrix interference.
Benzo(ghi)perylene	<500	ug/kg dry sample	EPA 8270	07/23/01	KTL	Elevated detection limit due to sample matrix interference.
Benzo(k)fluoranthene	<500	ug/kg dry sample	EPA 8270	07/23/01	KTL	Elevated detection limit due to sample matrix interference.
Bis(2-chloroethoxy)methane	<500	ug/kg dry sample	EPA 8270	07/23/01	KTL	Elevated detection limit due to sample matrix interference.
Bis(2-chloroethyl)ether	<500	ug/kg dry sample	EPA 8270	07/23/01	KTL	Elevated detection limit due to sample matrix interference.
Bis(2-chloroisopropyl)ether	<500	ug/kg dry sample	EPA 8270	07/23/01	KTL	Elevated detection limit due to sample matrix interference.
Bis(2-ethylhexyl)phthalate	79,000	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Butylbenzyl phthalate	<500	ug/kg dry sample	EPA 8270	07/23/01	KTL	Elevated detection limit due to sample matrix interference.
Chrysene	<500	ug/kg dry sample	EPA 8270	07/23/01	KTL	Elevated detection limit due to sample matrix interference.
Di-N-butylphthalate	<500	ug/kg dry sample	EPA 8270	07/23/01	KTL	Elevated detection limit due to sample matrix interference.
Di-n-Octyl phthalate	<500	ug/kg dry sample	EPA 8270	07/23/01	KTL	Elevated detection limit due to sample matrix interference.
Dibenzo(ah)anthracene	<500	ug/kg dry sample	EPA 8270	07/23/01	KTL	Elevated detection limit due to sample matrix interference.
Diethyl phthalate	<500	ug/kg dry sample	EPA 8270	07/23/01	KTL	Elevated detection limit due to sample matrix interference.
Dimethyl phthalate	<500	ug/kg dry sample	EPA 8270	07/23/01	KTL	Elevated detection limit due to sample matrix interference.
Fluoranthene	<500	ug/kg dry sample	EPA 8270	07/23/01	KTL	Elevated detection limit due to sample matrix interference.
Fluorene	<500	ug/kg dry sample	EPA 8270	07/23/01	KTL	Elevated detection limit due to sample matrix interference.
Hexachlorobenzene	<500	ug/kg dry sample	EPA 8270	07/23/01	KTL	Elevated detection limit due to sample matrix interference.
Hexachlorobutadiene	<500	ug/kg dry sample	EPA 8270	07/23/01	KTL	Elevated detection limit due to sample matrix interference.
Hexachlorocyclopentadiene	<500	ug/kg dry sample	EPA 8270	07/23/01	KTL	Elevated detection limit due to sample matrix interference.
Hexachloroethane	<500	ug/kg dry sample	EPA 8270	07/23/01	KTL	Elevated detection limit due to sample matrix interference.
Indeno(123cd)pyrene	<500	ug/kg dry sample	EPA 8270	07/23/01	KTL	Elevated detection limit due to sample matrix interference.
Isophorone	<500	ug/kg dry sample	EPA 8270	07/23/01	KTL	Elevated detection limit due to sample matrix interference.
N-Nitrosodi-n-propylamine	<500	ug/kg dry sample	EPA 8270	07/23/01	KTL	Elevated detection limit due to sample matrix interference.
N-Nitrosodimethylamine	<500	ug/kg dry sample	EPA 8270	07/23/01	KTL	Elevated detection limit due to sample matrix interference.
N-Nitrosodiphenylamine	<500	ug/kg dry sample	EPA 8270	07/23/01	KTL	Elevated detection limit due to sample matrix interference.
Naphthalene by Method 8270	<500	ug/kg dry sample	EPA 8270	07/23/01	KTL	Elevated detection limit due to sample matrix interference.

LABORATORY DETAIL REPORT

Client: *Strebor Inc.*

KAR Project No. : *013577*

Date Reported : *07/24/01*

Project Desc. : *Analysis of 12 soil samples.*

Sample ID : *"GP-25-3.0"*

Sampled By : *MM of Strebor, Inc.*

Sample Date : *7/10/01*

Sample Time : *1220*

Date Received : *7/11/01*

Sample Type : *soil*

KAR Sample No. : *013577-10*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Nitrobenzene	<500	ug/kg dry sample	EPA 8270	07/23/01	KTL	Elevated detection limit due to sample matrix interference.
Pentachlorophenol	<500	ug/kg dry sample	EPA 8270	07/23/01	KTL	Elevated detection limit due to sample matrix interference.
Phenanthrene	<500	ug/kg dry sample	EPA 8270	07/23/01	KTL	Elevated detection limit due to sample matrix interference.
Phenol	<500	ug/kg dry sample	EPA 8270	07/23/01	KTL	Elevated detection limit due to sample matrix interference.
Pyrene	<500	ug/kg dry sample	EPA 8270	07/23/01	KTL	Elevated detection limit due to sample matrix interference.

LABORATORY DETAIL REPORT

Client: *Strebor Inc.*

KAR Project No. : *013577*

Date Reported : *07/24/01*

Project Desc. : *Analysis of 12 soil samples.*

Sample ID : *"GP-26-3.0"*

Sampled By : *MM of Strebor, Inc.*

Sample Date : *7/11/01*

Sample Time : *1130*

Date Received : *7/11/01*

Sample Type : *soil*

KAR Sample No. : *013577-11*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Prep, Hg	Completed		EPA 7471A	07/18/01	DBL	
Prep, metals	Completed		EPA 30xx,200.x	07/16/01	DBL	
Arsenic, total, low level	9.0	mg/kg dry sample	EPA 6020	07/20/01	DBL	
Barium, total, low level	119	mg/kg dry sample	EPA 6010B	07/18/01	PML	
Cadmium, total, low level	0.22	mg/kg dry sample	EPA 6020	07/20/01	DBL	
Chromium, total, low level	15.3	mg/kg dry sample	EPA 6010B	07/18/01	PML	
Lead, total	27	mg/kg dry sample	EPA 6010B	07/18/01	PML	
Mercury, total, low level	0.21	mg/kg dry sample	EPA 7471A	07/19/01	DBL	
Selenium, total, low level	<2.4	mg/kg dry sample	EPA 6020	07/20/01	DBL	Elevated detection limit due to sample matrix interference.
Silver, total	<0.5	mg/kg dry sample	EPA 6010B	07/18/01	PML	
Dry weight solids	80.79	% by weight	SM(18) 2540B mod	07/13/01	BLF	
EPA 8260 Plus	See below		EPA 8260	07/16/01	DLB	
Prep, VOA	Completed		EPA 5035	07/16/01	DLB	Sample was field-preserved at time of collection.
1,1,1,2-Tetrachloroethane	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,1,1-Trichloroethane	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,1,2,2-Tetrachloroethane	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,1,2-Trichloroethane	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,1-Dichloroethane	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,1-Dichloroethene	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,2,3-Trichloropropane	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,2,4-Trichlorobenzene	<250	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,2,4-Trimethylbenzene	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,2-Dibromo-3-chloropropane	<250	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,2-Dichlorobenzene	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,2-Dichloroethane	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,2-Dichloropropane	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,3,5-Trimethylbenzene	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,3-Dichlorobenzene	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,4-Dichlorobenzene	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
2-Butanone	<750	ug/kg dry sample	EPA 8260	07/16/01	DLB	
2-Hexanone	<2500	ug/kg dry sample	EPA 8260	07/16/01	DLB	
2-Methylnaphthalene by 8260	<250	ug/kg dry sample	EPA 8260	07/16/01	DLB	
4-Methyl-2-pentanone	<2500	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Acetone	<750	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Acrylonitrile	<2500	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Benzene	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Bromochloromethane	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	

LABORATORY DETAIL REPORT

Client: *Strebor Inc.*

KAR Project No. : *013577*

Date Reported : *07/24/01*

Project Desc. : *Analysis of 12 soil samples.*

Sample ID : *"GP-26-3.0"*

Sampled By : *MM of Strebor, Inc.*

Sample Date : *7/11/01*

Sample Time : *1130*

Date Received : *7/11/01*

Sample Type : *soil*

KAR Sample No. : *013577-11*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Bromodichloromethane	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Bromoform	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Bromomethane	<250	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Carbon disulfide	<250	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Carbon tetrachloride	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Chlorobenzene	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Chloroethane	<250	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Chloroform	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Chloromethane	<250	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Cis-1,2-Dichloroethene	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Cis-1,3-Dichloropropene	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Dibromochloromethane	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Dibromomethane	<250	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Dichlorodifluoromethane	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Diethyl ether	<2500	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Ethylbenzene	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Ethylene dibromide	<250	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Hexachloroethane by 8260	<250	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Isopropylbenzene	<250	ug/kg dry sample	EPA 8260	07/16/01	DLB	
M-and/or p-xylene	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Methyl iodide	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Methyl t-butyl ether (MTBE)	<250	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Methylene chloride	<250	ug/kg dry sample	EPA 8260	07/16/01	DLB	
N-Propylbenzene	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Naphthalene	<250	ug/kg dry sample	EPA 8260	07/16/01	DLB	
O-Xylene	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Styrene	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Tetrachloroethene	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Toluene	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Trans-1,2-Dichloroethene	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Trans-1,3-Dichloropropene	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Trans-1,4-Dichloro-2-butene	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Trichloroethene	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Trichlorofluoromethane	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Vinyl chloride	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Prior. Poll. acids	See below		EPA 8270	07/23/01	KTL	
Prior. Poll. base-neutrals	See below		EPA 8270	07/23/01	KTL	

LABORATORY DETAIL REPORT

Client: *Strebor Inc.*

KAR Project No. : *013577*

Date Reported : *07/24/01*

Project Desc. : *Analysis of 12 soil samples.*

Sample ID : *"GP-26-3.0"*

Sampled By : *MM of Strebor, Inc.*

Sample Date : *7/11/01*

Sample Time : *1130*

Date Received : *7/11/01*

Sample Type : *soil*

KAR Sample No. : *013577-11*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Prep, SV Acid/BN	Completed		EPA 3545	07/20/01	SAS	
1,2,4-Trichlorobenzene 8270	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
1,2-Dichlorobenzene by 8270	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
1,2-Diphenylhydrazine	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
1,3-Dichlorobenzene by 8270	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
1,4-Dichlorobenzene by 8270	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
2,3,7,8-TCDD by 8270	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
2,4,6-Trichlorophenol	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
2,4-Dichlorophenol	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
2,4-Dimethylphenol	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
2,4-Dinitrophenol	<660	ug/kg dry sample	EPA 8270	07/23/01	KTL	
2,4-Dinitrotoluene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
2,6-Dinitrotoluene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
2-Chloronaphthalene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
2-Chlorophenol	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
2-Methyl-4,6-dinitrophenol	<660	ug/kg dry sample	EPA 8270	07/23/01	KTL	
2-Nitrophenol	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
3,3'-Dichlorobenzidine	<660	ug/kg dry sample	EPA 8270	07/23/01	KTL	
4-Bromophenyl phenyl ether	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
4-Chloro-3-methylphenol	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
4-Chlorophenyl phenyl ether	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
4-Nitrophenol	<660	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Acenaphthene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Acenaphthylene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Anthracene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Benzidine	<1650	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Benzo(a)anthracene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Benzo(a)pyrene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Benzo(b)fluoranthene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Benzo(ghi)perylene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Benzo(k)fluoranthene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Bis(2-chloroethoxy)methane	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Bis(2-chloroethyl)ether	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Bis(2-chloroisopropyl)ether	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Bis(2-ethylhexyl)phthalate	950	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Butylbenzyl phthalate	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Chrysene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	

LABORATORY DETAIL REPORT

Client: *Strebor Inc.*

KAR Project No. : *013577*

Date Reported : *07/24/01*

Project Desc. : *Analysis of 12 soil samples.*

Sample ID : *"GP-26-3.0"*

Sampled By : *MM of Strebor, Inc.*

Sample Date : *7/11/01*

Sample Time : *1130*

Date Received : *7/11/01*

Sample Type : *soil*

KAR Sample No. : *013577-11*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Di-N-butylphthalate	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Di-n-Octyl phthalate	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Dibenzo(ah)anthracene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Diethyl phthalate	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Dimethyl phthalate	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Fluoranthene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Fluorene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Hexachlorobenzene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Hexachlorobutadiene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Hexachlorocyclopentadiene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Hexachloroethane	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Indeno(123cd)pyrene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Isophorone	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
N-Nitrosodi-n-propylamine	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
N-Nitrosodimethylamine	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
N-Nitrosodiphenylamine	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Naphthalene by Method 8270	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Nitrobenzene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Pentachlorophenol	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Phenanthrene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Phenol	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Pyrene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	

LABORATORY DETAIL REPORT

Client: *Strebor Inc.*

KAR Project No. : *013577*

Date Reported : *07/24/01*

Project Desc. : *Analysis of 12 soil samples.*

Sample ID : *"GP-26-4.0"*

Sampled By : *MM of Strebor, Inc.*

Sample Date : *7/11/01*

Sample Time : *1140*

Date Received : *7/11/01*

Sample Type : *soil*

KAR Sample No. : *013577-12*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Prep, Hg	Completed		EPA 7471A	07/18/01	DBL	
Prep, metals	Completed		EPA 30xx,200.x	07/16/01	DBL	
Arsenic, total, low level	1.5	mg/kg dry sample	EPA 6020	07/20/01	DBL	
Barium, total, low level	45	mg/kg dry sample	EPA 6010B	07/18/01	PML	
Cadmium, total, low level	0.08	mg/kg dry sample	EPA 6020	07/20/01	DBL	
Chromium, total, low level	13.2	mg/kg dry sample	EPA 6010B	07/18/01	PML	
Lead, total	7	mg/kg dry sample	EPA 6010B	07/18/01	PML	
Mercury, total, low level	<0.1	mg/kg dry sample	EPA 7471A	07/19/01	DBL	
Selenium, total, low level	<1.3	mg/kg dry sample	EPA 6020	07/20/01	DBL	Elevated detection limit due to sample matrix interference.
Silver, total	<0.5	mg/kg dry sample	EPA 6010B	07/18/01	PML	
Dry weight solids	87.54	% by weight	SM(18) 2540B mod	07/13/01	BLF	
EPA 8260 Plus	See below		EPA 8260	07/16/01	DLB	
Prep, VOA	Completed		EPA 5035	07/16/01	DLB	Sample was field-preserved at time of collection.
1,1,1,2-Tetrachloroethane	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,1,1-Trichloroethane	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,1,2,2-Tetrachloroethane	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,1,2-Trichloroethane	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,1-Dichloroethane	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,1-Dichloroethene	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,2,3-Trichloropropane	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,2,4-Trichlorobenzene	<250	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,2,4-Trimethylbenzene	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,2-Dibromo-3-chloropropane	<250	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,2-Dichlorobenzene	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,2-Dichloroethane	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,2-Dichloropropane	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,3,5-Trimethylbenzene	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,3-Dichlorobenzene	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
1,4-Dichlorobenzene	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
2-Butanone	<750	ug/kg dry sample	EPA 8260	07/16/01	DLB	
2-Hexanone	<2500	ug/kg dry sample	EPA 8260	07/16/01	DLB	
2-Methylnaphthalene by 8260	<250	ug/kg dry sample	EPA 8260	07/16/01	DLB	
4-Methyl-2-pentanone	<2500	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Acetone	<750	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Acrylonitrile	<2500	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Benzene	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Bromochloromethane	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	

LABORATORY DETAIL REPORT

Client: *Strebor Inc.*

KAR Project No. : *013577*

Date Reported : *07/24/01*

Project Desc. : *Analysis of 12 soil samples.*

Sample ID : *"GP-26-4.0"*

Sampled By : *MM of Strebor, Inc.*

Sample Date : *7/11/01*

Sample Time : *1140*

Date Received : *7/11/01*

Sample Type : *soil*

KAR Sample No. : *013577-12*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Bromodichloromethane	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Bromoform	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Bromomethane	<250	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Carbon disulfide	<250	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Carbon tetrachloride	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Chlorobenzene	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Chloroethane	<250	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Chloroform	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Chloromethane	<250	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Cis-1,2-Dichloroethene	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Cis-1,3-Dichloropropene	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Dibromochloromethane	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Dibromomethane	<250	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Dichlorodifluoromethane	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Diethyl ether	<2500	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Ethylbenzene	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Ethylene dibromide	<250	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Hexachloroethane by 8260	<250	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Isopropylbenzene	<250	ug/kg dry sample	EPA 8260	07/16/01	DLB	
M-and/or p-xylene	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Methyl iodide	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Methyl t-butyl ether (MTBE)	<250	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Methylene chloride	<250	ug/kg dry sample	EPA 8260	07/16/01	DLB	
N-Propylbenzene	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Naphthalene	<250	ug/kg dry sample	EPA 8260	07/16/01	DLB	
O-Xylene	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Styrene	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Tetrachloroethene	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Toluene	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Trans-1,2-Dichloroethene	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Trans-1,3-Dichloropropene	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Trans-1,4-Dichloro-2-butene	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Trichloroethene	<50	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Trichlorofluoromethane	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Vinyl chloride	<100	ug/kg dry sample	EPA 8260	07/16/01	DLB	
Prior. Poll. acids	See below		EPA 8270	07/23/01	KTL	
Prior. Poll. base-neutrals	See below		EPA 8270	07/23/01	KTL	

LABORATORY DETAIL REPORT

Client: *Strebor Inc.*

KAR Project No. : *013577*

Date Reported : *07/24/01*

Project Desc. : *Analysis of 12 soil samples.*

Sample ID : *"GP-26-4.0"*

Sampled By : *MM of Strebor, Inc.*

Sample Date : *7/11/01*

Sample Time : *1140*

Date Received : *7/11/01*

Sample Type : *soil*

KAR Sample No. : *013577-12*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Prep, SV Acid/BN	Completed		EPA 3545	07/20/01	SAS	
1,2,4-Trichlorobenzene 8270	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
1,2-Dichlorobenzene by 8270	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
1,2-Diphenylhydrazine	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
1,3-Dichlorobenzene by 8270	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
1,4-Dichlorobenzene by 8270	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
2,3,7,8-TCDD by 8270	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
2,4,6-Trichlorophenol	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
2,4-Dichlorophenol	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
2,4-Dimethylphenol	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
2,4-Dinitrophenol	<660	ug/kg dry sample	EPA 8270	07/23/01	KTL	
2,4-Dinitrotoluene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
2,6-Dinitrotoluene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
2-Chloronaphthalene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
2-Chlorophenol	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
2-Methyl-4,6-dinitrophenol	<660	ug/kg dry sample	EPA 8270	07/23/01	KTL	
2-Nitrophenol	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
3,3'-Dichlorobenzidine	<660	ug/kg dry sample	EPA 8270	07/23/01	KTL	
4-Bromophenyl phenyl ether	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
4-Chloro-3-methylphenol	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
4-Chlorophenyl phenyl ether	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
4-Nitrophenol	<660	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Acenaphthene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Acenaphthylene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Anthracene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Benzidine	<1650	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Benzo(a)anthracene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Benzo(a)pyrene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Benzo(b)fluoranthene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Benzo(ghi)perylene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Benzo(k)fluoranthene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Bis(2-chloroethoxy)methane	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Bis(2-chloroethyl)ether	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Bis(2-chloroisopropyl)ether	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Bis(2-ethylhexyl)phthalate	1100	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Butylbenzyl phthalate	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Chrysene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	

LABORATORY DETAIL REPORT

Client: *Strebor Inc.*

KAR Project No. : *013577*

Date Reported : *07/24/01*

Project Desc. : *Analysis of 12 soil samples.*

Sample ID : *"GP-26-4.0"*

Sampled By : *MM of Strebor, Inc.*

Sample Date : *7/11/01*

Sample Time : *1140*

Date Received : *7/11/01*

Sample Type : *soil*

KAR Sample No. : *013577-12*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Di-N-butylphthalate	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Di-n-Octyl phthalate	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Dibenzo(ah)anthracene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Diethyl phthalate	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Dimethyl phthalate	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Fluoranthene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Fluorene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Hexachlorobenzene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Hexachlorobutadiene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Hexachlorocyclopentadiene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Hexachloroethane	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Indeno(123cd)pyrene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Isophorone	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
N-Nitrosodi-n-propylamine	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
N-Nitrosodimethylamine	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
N-Nitrosodiphenylamine	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Naphthalene by Method 8270	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Nitrobenzene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Pentachlorophenol	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Phenanthrene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Phenol	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	
Pyrene	<330	ug/kg dry sample	EPA 8270	07/23/01	KTL	

KAR *Laboratories, Inc. (616-381-9666)* **www.karlabs.com** (Client please complete shaded areas)

Client:

Strebor, Inc.
2305 Superior Avenue
Kalamazoo, MI 49001

Attn: Michael McClish

Phone: / 616 381-1100 *Fax:* / 616 381-2207

Project Name:

Project #

P.O. # 13604

Sampled by: ☐ KAR ☒ Client *Initials* MMC

Turnaround Time:
☒ 10-business days ☐ Emergency (quote)
☐ 5-business days (x 1.5)
☐ 3-business days (x 2.0) ☐ Monthly

Waste characterization: Yes (No)
Part 201: Yes (No)
Part 213: Yes (No)

KAR use only
Proj#: 013577
Login: [illegible]
Date: 7/10/01
c-of-c (Y) N
labels (Y) N
LODs (Y) N
contain (Y) N
headspace Y ~~N~~
amount (Y) N
hold time (Y) N
rush cost Y (N)
preservation (Y) N
intact (Y) N

#	Sample Identification	Sample Info: Date	Time	Matrix	Sample Containers: Type	Size	#	VOCs - Method 8260 +	SVOCs - Method 8270	RCRA Metals - Method 6010	Mercury - Method 7471						Remarks
1	GP-22-2	7-5-01	15:25	Soil	clear VOA	145mL 40mL	2/1	*	X	X	X						
2	GP-27-3	7-6-01	10:05	Soil	↓	↓	↓	X	X	X	X						
3	GP-20-3	7-6-01	12:50	Soil	↓	↓	↓	X	X	X	X						

Relinquished By: Michael McClish
Received By: [illegible]
Date/Time: 7/10/01

Relinquished By:
Received By:
Date/Time:

Notes: 011429

KAR *Laboratories, Inc. (616-381-9666)* **www.karlabs.com** (Client please complete shaded areas)

Client:
Strebor, Inc.
2305 Superior Avenue
Kalamazoo, MI 49001

Attn: Michael McClish

Phone: / 616 / 381-1100 **Fax:** / 616 / 381-2207

Project Name:

Project #

P.O. # 13604

Sampled by: ☐ KAR ☒ Client **Initials** MMC

Turnaround Time:
☒ 10-business days ☐ Emergency (quote)
☐ 5-business days (x 1.5)
☐ 3-business days (x 2.0) ☐ Monthly

Waste characterization: Yes (No)
Part 201: Yes (No)
Part 213: Yes (No)

KAR use only
Proj#: 013577
Login: HES
Date: 7/11/01
c-of-c (Y) N
labels (Y) N
LODs (Y) N
contain (Y) N
headspace Y (N)
amount (Y) N
hold time Y (N)
rush cost X (N)
preservation (Y) N
intact (Y) N

#	Sample Identification	Sample Info: Date	Time	Matrix	Sample Containers: Type	Size	#	VOCs - Method 8260 +	SVOCs - Method 8270	RCRA Metals - Method 6010	Mercury - Method 7471	Remarks
10	1 GP-25-3.0 ~~-09~~	7-10-01	12:20	Soil	GLASS JAR	145mL 40mL	2/1	X	X	X	X	+ 1 Bag
09	2 GP-24-3.0 ~~-06~~	7-10-01	14:05	Soil				X	X	X	X	
07	3 GP-23-2.5 ~~-03-04~~	7-10-01	14:40	Soil				X	X	X	X	
08	4 GP-23-3.5 ~~-05~~	7-10-01	14:50	Soil				X	X	X	X	
06	5 GP-21-3.5 ~~-03~~	7-10-01	09:40	Soil				X	X	X	X	
09	6 GP-19-3.5 ~~-01~~	7-11-01	10:20	Soil				X	X	X	X	
05	7 GP-19-DUP ~~-02~~	7-11-01	10:20	Soil				X	X	X	X	
11	8 GP-26-3.0 ~~-08~~	7-11-01	11:30	Soil				X	X	X	X	
12	9 GP-26-4.0 ~~-09~~	7-11-01	11:40	Soil				X	X	X	X	

Relinquished By: Michael McClish **Received By:** [signature] **Date/Time:** 7/11/01 **Notes:**

Relinquished By: **Received By:** **Date/Time:**

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DETERMINATION OF PCDD/PCDF LEVELS

Prepared for:
Baywest
Attn: Ed Bacig
5 Empire Drive
St. Paul, MN 55103

Project: Chemical Analysis

Client Purchase Order Number: NA

REPORT OF LABORATORY ANALYSIS

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REPORT OF: CHEMICAL ANALYSES

PROJECT: PCDD/PCDF ANALYSES

DATE: August 2, 2001

ISSUED TO: Baywest
Attn: Mr. Ed Bacig
5 Empire Drive
St. Paul, MN 55103

REPORT NO: 01-1046585

INTRODUCTION

This report presents the results from the analyses performed on twelve samples which were submitted by a representative of Baywest. The samples were analyzed for the presence or absence of polychlorinated dibenzo-p-dioxins (PCDDs) and dibenzofurans (PCDFs) using a modified version of USEPA Method 8290 as described below.

SAMPLE IDENTIFICATION

Client ID	Sample Type	Date Received	Pace ID
GP-19-3.5	Solid	7/12/01	102853173
GP-19-Dup	Solid	7/12/01	102853181
GP-20-3.0	Solid	7/12/01	102853116
GP-21-3.5	Solid	7/12/01	102853165
GP-22-2.0	Solid	7/12/01	102853082
GP-23-2.5	Solid	7/12/01	102853140
GP-23-3.5	Solid	7/12/01	102853157
GP-24-3.0	Solid	7/12/01	102853132
GP-25-3.0	Solid	7/12/01	102853124
GP-26-3.0	Solid	7/12/01	102853199
GP-26-4.0	Solid	7/12/01	102853207
GP-27-3.0	Solid	7/12/01	102853090

METHODOLOGY

Sample Extraction

A portion of each sample was spiked with $^{13}C_{12}$-labeled PCDD/PCDF internal standards (Table 1) and extracted with toluene in a Soxhlet extractor. The extract was quantitatively transferred to a Kuderna-Danish concentrator, concentrated, and solvent exchanged to hexane. The hexane extract was then spiked with 2,3,7,8-TCDD-$^{37}Cl_4$ enrichment efficiency standard (Table 1) and processed through the analyte enrichment procedures described below. Moisture content was determined by taking an aliquot of each solid sample to constant weight in an oven.

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REPORT OF: CHEMICAL ANALYSES

PCDD/PCDF Analyte Enrichment

The extraction procedure often removes a variety of compounds, in addition to the PCDDs and PCDFs, from the sample matrix. Some of these compounds can directly interfere with the analyses while others can overload the capillary column causing degradation in chromatographic resolution or sensitivity. The analyte enrichment steps described below are used to remove interferences from the extracts.

Each extract was diluted to 100 mL with hexane, transferred to a separatory funnel, and washed with 1N sodium hydroxide, concentrated sulfuric acid, and aqueous sodium chloride (5% w/v) as needed. The hexane extract was quantitatively transferred to a liquid chromatography column containing alternating layers of silica gel, 40% concentrated sulfuric acid on silica gel, and 33% 1 N sodium hydroxide on silica gel. The column was eluted with 90 mL of hexane and the entire eluate was collected and concentrated, under ambient conditions, to a volume of 1 mL.

Each extract was then fractionated on a liquid chromatography column containing 4 g of activated alumina. The column was eluted with 20 mL of hexane followed by 15 mL of 60% methylene chloride/hexane. The 60% methylene chloride/hexane fraction was concentrated to 1 mL under a stream of dry nitrogen and applied to the top of a chromatography column containing 1 g of 5% AX-21 activated carbon in silica gel. The column was eluted with two 2-mL portions of hexane, 2 mL of cyclohexane/methylene chloride (50:50 v/v) and cyclohexane/methanol/toluene (75:20:5 v/v) in the forward direction, and then with toluene in the reverse direction. The toluene fraction was collected, concentrated, spiked with recovery standards (1,2,3,4-TCDD-$^{13}C_{12}$ and 1,2,3,7,8,9-HxCDD-$^{13}C_{12}$) and taken to a final volume of 20 uL.

PCDD/PCDF Analyses

Each sample extract was analyzed for the presence of PCDDs and PCDFs using combined capillary column gas chromatography/high resolution mass spectrometry (HRGC/HRMS). The instrumentation consisted of a Hewlett Packard Model 6890 gas chromatograph interfaced to a Micromass Ultima high-resolution mass spectrometer. The capillary column was interfaced directly into the ion source of the mass spectrometer, thus providing the highest possible sensitivity while minimizing degradation of the chromatographic resolution.

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PCDD/PCDF Analyses (Cont.)

The mass spectrometer was operated in the electron impact ionization mode at a mass resolution of 10,000-11,000 (M/ΔM, 10 percent valley definition). This resolution is sufficient to resolve most interferences, such as PCBs, thus providing the highest level of confidence that the detected levels of PCDD/PCDF were not false positives resulting from interferences. Typical operating parameters for the HRGC/HRMS analyses are summarized in Table 2.

The data were acquired by selected-ion-recording (SIR) using groups of ion masses similar to those described in USEPA Method 8290. The five groups corresponded to the tetrachlorinated through octachlorinated congener classes. Each group contained two ion masses for the PCDDs, two ion masses for the PCDFs, the corresponding ion masses from the two isotopically labeled internal standards, and the ion mass characteristic of the polychlorinated diphenylether (PCDE) which, if present, could cause false responses in the dibenzofuran channels.

Each group of ion masses also contained a lock mass which was used by the data system to automatically correct the mass focus of the instrument. The data system determined the centroid of the lock mass during each data acquisition cycle and corrected the mass focus of the analyte and internal standard ion masses to assure that the centers of the mass peaks were being monitored.

The criteria used to judge positive responses for a PCDD/PCDF isomer included:

* Simultaneous response at both ion masses of the PCDD or PCDF
* Signal-to-noise ratio equal to or greater than 2.5:1.0 for both ion masses
* Chlorine isotope ratio within 15% of the theoretical value
* Chromatographic retention time within +/- 2 seconds of the expected retention time
* Chromatographic retention times within elution windows determined from analyses of standard mixtures
* Absence of simultaneous response in the PCDF and PCDPE ion traces

A list of the exact ion masses monitored for the determination of PCDD/PCDF isomers and the PCDE interferences is presented in Table 3. Also included are the theoretical chlorine isotope ratios for the ten congener classes.

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PCDD/PCDF Quantification and Calculations

The PCDD/PCDF isomers were quantified by comparison of their responses to the responses of the labeled internal standards. Relative response factors were calculated from analyses of standard mixtures containing representatives of each of the PCDD/PCDF congener classes at five concentration levels, and each of the internal standards at one concentration level, as shown in Table 4. The PCDD/PCDF response factors were calculated by comparing the sum of the responses from the two ion masses monitored for each chlorine congener class to the sum of the responses from the two ion masses of the corresponding isotopically labeled internal standard. The formula for the response factor calculation is:

$$Rf = \frac{An \times Qis}{Ais \times Qn}$$

where:

Rf = Response factor
An = Sum of integrated areas for native isomer
Qis = Quantity of labeled internal standard
Ais = Sum of integrated areas for labeled internal standard
Qn = Quantity of native isomer

The levels of PCDD/PCDF in each sample were quantified using the following equation:

$$C = \frac{An \times Qis}{Ais \times W \times Rf}$$

where:

C = Concentration of target isomer or congener class
An = Sum of integrated areas for the target isomer or congener class
Qis = Quantity of labeled internal standard added to the sample
Ais = Sum of integrated areas for the labeled internal standard
W = Sample amount
Rf = Response factor

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PCDD/PCDF Quantification and Calculations (Cont.)

Each pair of ion mass peaks in the selected-ion-current chromatograms was evaluated manually to determine if it met the criteria for a PCDD or PCDF isomer. Areas of all peaks exhibiting correct ion ratios, having retention times within the correct windows, and having areas corresponding to concentrations in the range covered by the initial calibration were then summed for calculations of total congener concentrations. The toxic equivalence of each sample was calculated using the factors listed in Table 5.

A limit of detection (LOD) based on producing a signal that is 2.5 times the noise level, was calculated for each undetected 2,3,7,8-substituted isomer of any tetra through octa chlorinated congener class. The noise heights used to calculate the detection limits were measured at the retention time of the specific isomer. The formula used for calculating the LOD is:

$$LOD = \frac{Hn \times Qis \times 2.5}{His \times W \times Rf}$$

where:

LOD = Single isomer limit of detection
Hn = Sum of noise heights at native isomer retention time
Qis = Quantity of labeled internal standard
His = Sum of peak heights for labeled internal standard
W = Sample amount
Rf = Response factor

The recovery of the 2,3,7,8-TCDD-$^{37}Cl_4$ enrichment efficiency standard and each $^{13}C_{12}$-labeled internal standard, relative to either 1,2,3,4-TCDD-$^{13}C_{12}$ or 1,2,3,7,8,9-HxCDD-$^{13}C_{12}$, was calculated using the following equation:

$$\%R = \frac{Ais \times Qrs \times 100\%}{Rfr \times Ars \times Qis}$$

where:

%R = Percent recovery of labeled internal standard
Ais = Sum of integrated areas of labeled internal standard
Qrs = Quantity of recovery standard
Ars = Sum of integrated areas of recovery standard
Rfr = Response factor of the specific labeled internal standard relative to the recovery standard
Qis = Quantity of the labeled internal standard congener added to the sample

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REPORT OF: CHEMICAL ANALYSES

PROJECT: PCDD/PCDF ANALYSES

DATE: August 2, 2001

REPORT NO: 01-1046585

Quality Control for PCDD/PCDF Analyses

The performance of the sample processing steps and the instrumentation are monitored on a routine basis. The procedures and criteria are summarized below.

One method blank and one laboratory spike sample are typically prepared with each ten samples of any given matrix. Recoveries of the native PCDD/PCDF analytes in the laboratory spike samples generally range from 70 to 130%. Recoveries of selected analytes outside this range do not invalidate the data but provide information, which is used by the laboratory to monitor recovery trends and to assure optimization of the method.

Internal standards are spiked into each sample prior to extraction in order to monitor the level of recovery, which is achieved for each individual sample. Acceptable recoveries range from 40 to 135 percent for the internal standards unless a deviation is due to variation in instrument response as a result of analytical interferences.

The resolution of the mass spectrometer is verified prior to each analysis to be 10,000 or greater. Hardcopies of the reference peaks are printed at the beginning and end of each analysis day. The resolving power of the DB-5MS chromatographic column is checked daily by analyzing a standard solution containing 2,3,7,8-TCDD and the adjacent TCDD isomers. The DB-225 column resolution is checked daily by analyzing a standard solution containing 2,3,7,8-TCDF and the adjacent TCDF isomers. Acceptable performance is achieved when 2,3,7,8-TCDD or 2,3,7,8-TCDF is resolved from the adjacent isomers by a valley of 25% or less. The group times for the selected-ion-monitoring data acquisitions are also checked daily by analyzing the column performance mix which has been modified to contain the first and last eluting isomers of each congener class. In this way one is assured of collecting data representative of the total PCDD/PCDF content and that the 2,3,7,8-substituted isomers are suitably resolved.

Initial calibrations are generated by analyzing standard solutions (see Table 4) containing target native and labeled PCDD/PCDF compounds. Response factors are calculated and averaged for each compound. These averages are used for quantification and for comparison to the daily continuing calibration. The relative standard deviation for each native compound must be 20% or less (30% or less for the labeled compounds) as specified in Method 8290. A continuing calibration standard is analyzed at the beginning and end of each 12-hour shift on days when initial calibrations are not performed. The initial calibration is considered to be valid when the response factors from the continuing calibration analysis fall to within the ranges specified in Method 8290.

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REPORT OF: CHEMICAL ANALYSES

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PROJECT: PCDD/PCDF ANALYSES **DATE:** August 2, 2001

 REPORT NO: 01-1046585

RESULTS

The results from the analyses are presented in the following:

Appendix A - Documentation
Appendix B - PCDD/PCDF Analysis Results

DISCUSSION

The recoveries of the isotopically-labeled PCDD/PCDF internal standards in the sample extracts ranged from 39-189% and indicate a level of efficiency through the extraction and enrichment steps that is considered somewhat typical for this matrix. Several internal standard recoveries were outside of the target limits for this method. However, since the quantifications of the native 2,3,7,8-substituted isomers were based on isotope dilution, the data were automatically corrected for variation in recovery and accurate values were obtained. Also, it should be noted that incorrect isotope ratios (flagged "I") were obtained for selected internal standards in seven of the samples due to the presence of high levels of the corresponding native congeners.

Some of the samples were found to contain compounds which interfere with the determination of native PCDD and PCDF congeners. Any affected 2,3,7,8-substituted isomers are flagged "E" or "I" on the data summary sheets.

Seven samples contained levels of one or more isomers that saturated the detector even after dilution and are flagged "S" on the data summary sheets.

A laboratory method blank was prepared and analyzed with the sample batch as part of our routine quality control procedures. The results, found at the beginning of Appendix B, show the blank to contain a trace level of OCDD. The samples contained this isomer at levels over 3-4 orders of magnitude higher than seen in the blank. In general, levels less than ten times the background are not considered statistically different from the background. It should be noted that several internal standard recoveries in the method blank were outside of the target limits for this method and are flagged "P" on the data summary sheet.

Laboratory and matrix spike samples were also prepared with the sample batch using sand or sample material that had been fortified with native standard materials. The results show that, with the exception of the analytes present in the material used for the matrix spikes, the spiked native compounds were recovered at 93-103%. The elevated RPD values for the matrix spike samples suggest that the sample material was not homogeneous. It should also be noted that the calibration verification standard analyzed at the end of the analysis shift for Spike-1153 exhibited a response for the OCDD internal standard that was outside the target range. Therefore, the average of the responses from the beginning and end standard analyses for this compound was used in the calculations.

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REPORT OF: CHEMICAL ANALYSES

PROJECT: PCDD/PCDF ANALYSES **DATE:** August 2, 2001

 REPORT NO: 01-1046585

REMARKS

The sample extracts will be retained for a period of 30 days from the date of this report and then discarded unless other arrangements are made. The raw mass spectral data will be archived on magnetic tape for a period of not less than one year. Questions regarding the data contained in this report may be directed to the authors at the numbers provided below.

Pace Analytical Services, Inc.

Charles V. Sueper, Technical Director
High Resolution Mass Spectrometry
(612) 607-6387

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Project Manager, Dioxins
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REPORT OF LABORATORY ANALYSIS

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TABLE 1. Spike Levels of PCDD/PCDF Standards

Internal Standards	Spike Level (ng)
2,3,7,8-TCDF-$^{13}C_{12}$	2.0
2,3,7,8-TCDD-$^{13}C_{12}$	2.0
1,2,3,7,8-PeCDF-$^{13}C_{12}$	2.0
2,3,4,7,8-PeCDF-$^{13}C_{12}$	2.0
1,2,3,7,8-PeCDD-$^{13}C_{12}$	2.0
1,2,3,4,7,8-HxCDF-$^{13}C_{12}$	2.0
1,2,3,6,7,8-HxCDF-$^{13}C_{12}$	2.0
1,2,3,7,8,9-HxCDF-$^{13}C_{12}$	2.0
2,3,4,6,7,8-HxCDF-$^{13}C_{12}$	2.0
1,2,3,4,7,8-HxCDD-$^{13}C_{12}$	2.0
1,2,3,6,7,8-HxCDD-$^{13}C_{12}$	2.0
1,2,3,4,6,7,8-HpCDF-$^{13}C_{12}$	2.0
1,2,3,4,7,8,9-HpCDF-$^{13}C_{12}$	2.0
1,2,3,4,6,7,8-HpCDD-$^{13}C_{12}$	2.0
OCDD-$^{13}C_{12}$	4.0
Recovery Standards	
1,2,3,4-TCDD-$^{13}C_{12}$	2.0
1,2,3,7,8,9-HxCDD-$^{13}C_{12}$	2.0
Enrichment Efficiency Standard	
2,3,7,8-TCDD-$^{37}Cl_4$	0.2

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TABLE 2. High Resolution PCDD/PCDF Analyses
HRGC/HRMS Operating Parameters

Mass Resolution	10,000-11,000 (M/ΔM, 10% valley)
Electron Energy	32 electron volts
Accelerating Voltage	8,000 volts
Source Temperature	275°C
Preamplifier Gain	10^{-6} amp/volt
Multiplier Gain	~10^{5}
Chromatographic Column	60 M DB-5MS
Transfer Line Temperature	260°C
Injection Mode	Splitless
Carrier Gas	Helium
Carrier Flow Velocity	~30 cm/sec

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TABLE 3. Exact Ion Masses Monitored for the Determination of PCDDs, PCDFs, and PCDEs

Compound	Accurate Mass Mass 1	Mass 2	Theoretical Ratio Mass 1/Mass 2
Tetra-CDDs	319.8965	321.8936	0.77
Tetra-CDFs	303.9016	305.8987	0.77
Hexa-CDPEs	375.8364		
Penta-CDDs	355.8546	357.8517	1.54
Penta-CDFs	339.8597	341.8567	1.54
Hepta-CDPEs	409.7974		
Hexa-CDDs	389.8156	391.8127	1.23
Hexa-CDFs	373.8207	375.8178	1.23
Octa-CDPEs	445.7555		
Hepta-CDDs	423.7766	425.7737	1.03
Hepta-CDFs	407.7817	409.7788	1.03
Nona-CDPEs	479.7165		
Octa-CDD	457.7377	459.7347	0.88
Octa-CDF	441.7428	443.7398	0.88
Deca-CDPE	513.6775		

CDDs = Chlorinated Dibenzo-p-dioxins
CDFs = Chlorinated Dibenzofurans
CDPEs = Chlorinated Diphenylethers

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TABLE 4. High Resolution Calibration Solutions

	Concentration (pg/uL)				
Native CDDs/CDFs	**CS1**	**CS2**	**CS3**	**CS4**	**CS5**
2,3,7,8-TCDD	0.5	2	10	40	200
2,3,7,8 TCDF	0.5	2	10	40	200
1,2,3,7,8-PeCDD	2.5	10	50	200	1000
1,2,3,7,8-PeCDF	2.5	10	50	200	1000
2,3,4,7,8-PeCDF	2.5	10	50	200	1000
1,2,3,4,7,8-HxCDD	2.5	10	50	200	1000
1,2,3,6,7,8-HxCDD	2.5	10	50	200	1000
1,2,3,7,8,9-HxCDD	2.5	10	50	200	1000
1,2,3,4,7,8-HxCDF	2.5	10	50	200	1000
1,2,3,6,7,8-HxCDF	2.5	10	50	200	1000
1,2,3,7,8,9-HxCDF	2.5	10	50	200	1000
2,3,4,6,7,8-HxCDF	2.5	10	50	200	1000
1,2,3,4,6,7,8-HpCDD	2.5	10	50	200	1000
1,2,3,4,6,7,8-HpCDF	2.5	10	50	200	1000
1,2,3,4,7,8,9-HpCDF	2.5	10	50	200	1000
OCDD	5.0	20	100	400	2000
OCDF	5.0	20	100	400	2000
Internal Standards					
2,3,7,8-TCDD-$^{13}C_{12}$	100	100	100	100	100
2,3,7,8-TCDF-$^{13}C_{12}$	100	100	100	100	100
1,2,3,7,8-PeCDD-$^{13}C_{12}$	100	100	100	100	100
1,2,3,7,8-PeCDF-$^{13}C_{12}$	100	100	100	100	100
2,3,4,7,8-PeCDF-$^{13}C_{12}$	100	100	100	100	100
1,2,3,4,7,8-HxCDD-$^{13}C_{12}$	100	100	100	100	100
1,2,3,6,7,8-HxCDD-$^{13}C_{12}$	100	100	100	100	100
1,2,3,4,7,8-HxCDF-$^{13}C_{12}$	100	100	100	100	100
1,2,3,6,7,8-HxCDF-$^{13}C_{12}$	100	100	100	100	100
1,2,3,7,8,9-HxCDF-$^{13}C_{12}$	100	100	100	100	100
2,3,4,6,7,8-HxCDF-$^{13}C_{12}$	100	100	100	100	100
1,2,3,4,6,7,8-HpCDD-$^{13}C_{12}$	100	100	100	100	100
1,2,3,4,6,7,8-HpCDF-$^{13}C_{12}$	100	100	100	100	100
1,2,3,4,7,8,9-HpCDF-$^{13}C_{12}$	100	100	100	100	100
OCDD-$^{13}C_{12}$	200	200	200	200	200
Recovery Standards					
1,2,3,4-TCDD-$^{13}C_{12}$	100	100	100	100	100
1,2,3,7,8,9-HxCDD-$^{13}C_{12}$	100	100	100	100	100
Enrichment Efficiency Standard					
2,3,7,8-TCDD-$^{37}C1_4$	0.5	2	10	40	200

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TABLE 5. 2,3,7,8-TCDD Equivalency Factors (TEFs) for the Polychlorinated Dibenzo-p-dioxins and Dibenzofurans

Number	Compound(s)	TEF
1	2,3,7,8-TCDD	1.00
2	1,2,3,7,8-PeCDD	0.50
3	1,2,3,6,7,8-HxCDD	0.1
4	1,2,3,7,8,9-HxCDD	0.1
5	1,2,3,4,7,8-HxCDD	0.1
6	1,2,3,4,6,7,8-HpCDD	0.01
7	OCDD	0.001
8	* Total - TCDD	0.0
9	* Total - PeCDD	0.0
10	* Total - HxCDD	0.0
11	* Total - HpCDD	0.0
12	2,3,7,8-TCDF	0.10
13	1,2,3,7,8-PeCDF	0.05
14	2,3,4,7,8-PeCDF	0.5
15	1,2,3,6,7,8-HxCDF	0.1
16	1,2,3,7,8,9-HxCDF	0.1
17	1,2,3,4,7,8-HxCDF	0.1
18	2,3,4,6,7,8-HxCDF	0.1
19	1,2,3,4,6,7,8-HpCDF	0.01
20	1,2,3,4,7,8,9-HpCDF	0.01
21	OCDF	0.001
22	* Total - TCDF	0.0
23	* Total - PeCDF	0.0
24	* Total - HxCDF	0.0
25	* Total - HpCDF	0.0

*Excluding the 2,3,7,8-substituted congeners.

Reference: 1989 ITEFs

REPORT OF LABORATORY ANALYSIS

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Appendix A

REPORT OF LABORATORY ANALYSIS

CHAIN-OF-CUSTODY / Analytical Request Document

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The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

588966

Page: 1 of 1

Section A — Required Client Information:

Company: Strebor/Bay West
Address: 2305 Superior Ave.
Kalamazoo, MI 49001
Phone: 616-381-1100 Fax: 616-381-2207

Section B — Required Client Information:

Report To: Erika Schlicht
Copy To:
Invoice To: Bay West, Inc.
P.O.: 12183
Project Name: Strebor, Inc.
Project Number: ~~T~~ J990088

Client Information (Check quote/contract):
Requested Due Date: *TAT:

* Turn around times less than 14 days subject to laboratory and contractual obligations and may result in a Rush Turnaround Surcharge.
Turn Around Time (TAT) in calendar days.

Section C — To Be Completed by Pace Analytical and Client

Quote Reference:
Project Manager:
Project #: 1046585
Profile #:

Section D — Required Client Information:

Valid Matrix Codes: MATRIX / CODE — WATER WT; SOIL SL; OIL OL; WIPE WP; AIR AR; TISSUE TS; OTHER OT

ITEM #	SAMPLE ID (One character per box. (A–Z, 0–9 / .–) Sample IDs MUST BE UNIQUE)	MATRIX CODE	DATE COLLECTED mm / dd / yy	TIME COLLECTED hh:mm a/p	# Containers	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Requested Analysis: Dioxins/Furans	Remarks / Lab ID
1	GP-22-2.0	SL	07/05/01	15:25	1	X							X	102853082
2	GP-27-3.0	SL	07/06/01	10:05	1	X							X	090
3	GP-20-3.0	SL	07/06/01	12:50	1	X							X	116
4	GP-25-3.0	SL	07/10/01	12:20	1	X							X	124
5	GP-24-3.0	SL	07/10/01	14:05	1	X							X	132
6	GP-23-2.5	SL	07/10/01	14:40	1	X							X	140
7	GP-23-3.5	SL	07/10/01	14:50	1	X							X	157
8	GP-21-3.5	SL	07/11/01	09:40	1	X							X	165
9	GP-19-3.5	SL	07/11/01	10:20	1	X							X	173
10	GP-19-DUP	SL	07/11/01	10:20	1	X							X	181
11	GP-26-3.0	SL	07/11/01	11:30	1	X							X	199
12	GP-26-~~3~~4.0	SL	07/11/01	11:40	1	X							X	207

SHIPMENT METHOD	AIRBILL NO.	SHIPPING DATE	NO. OF COOLERS
Fedex	816307331755	7-11-01	2

ITEM NUMBER	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
1-12	Mike E. McCo, Bay West				7/12/01	10:00

Additional Comments:

Pace Project No.:

SAMPLE CONDITION

Temp: 10 °C | Received on Ice: (Y)/ N | Sealed Cooler: Y / (N) | Samples Intact: (Y) N | pH ___

Very light Blue ice

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Appendix B

Pace Analytical Services, Inc.
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Minneapolis, MN 55414

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Method 8290 Blank Analysis Results

Client - BAYWEST

Lab Sample ID	BLANK-1161	Matrix	SOLID
Filename	F10730A_5	Dilution	NA
Total Amount Extracted	10.1 g	Extracted	07/18/2001
ICAL Date	07/26/2001	Analyzed	07/30/2001 12:22
CCal Filename(s)	F10730A_1 & F10730A_14	Injected By	BAL

Native Isomers	Conc ng/Kg	EMPC ng/Kg	LRL ng/Kg		Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	ND	-----	0.400	A	2,3,7,8-TCDF-13C	2.00	16 P
Total TCDF	ND	-----	0.200		2,3,7,8-TCDD-13C	2.00	21 P
					1,2,3,7,8-PeCDF-13C	2.00	35 P
2,3,7,8-TCDD	ND	-----	0.200		2,3,4,7,8-PeCDF-13C	2.00	39 P
Total TCDD	ND	-----	0.200		1,2,3,7,8-PeCDD-13C	2.00	42
					1,2,3,4,7,8-HxCDF-13C	2.00	71
1,2,3,7,8-PeCDF	ND	-----	0.990		1,2,3,6,7,8-HxCDF-13C	2.00	66
2,3,4,7,8-PeCDF	ND	-----	0.990		2,3,4,6,7,8-HxCDF-13C	2.00	67
Total PeCDF	ND	-----	0.990		1,2,3,7,8,9-HxCDF-13C	2.00	62
					1,2,3,4,7,8-HxCDD-13C	2.00	68
1,2,3,7,8-PeCDD	ND	-----	0.990		1,2,3,6,7,8-HxCDD-13C	2.00	67
Total PeCDD	ND	-----	0.990		1,2,3,4,6,7,8-HpCDF-13C	2.00	62
					1,2,3,4,7,8,9-HpCDF-13C	2.00	54
1,2,3,4,7,8-HxCDF	ND	-----	0.990		1,2,3,4,6,7,8-HpCDD-13C	2.00	64
1,2,3,6,7,8-HxCDF	ND	-----	0.990		OCDD-13C	4.00	37 P
2,3,4,6,7,8-HxCDF	ND	-----	0.990				
1,2,3,7,8,9-HxCDF	ND	-----	0.990		1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	ND	-----	0.990		1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	ND	-----	0.990		2,3,7,8-TCDD-37Cl4	0.20	22
1,2,3,6,7,8-HxCDD	ND	-----	0.990				
1,2,3,7,8,9-HxCDD	ND	-----	0.990				
Total HxCDD	ND	-----	0.990				
1,2,3,4,6,7,8-HpCDF	ND	-----	0.990		Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	ND	-----	0.990		Equivalence: 0.0074 ng/Kg		
Total HpCDF	ND	-----	0.990		(Using ITE Factors)		
1,2,3,4,6,7,8-HpCDD	ND	-----	0.990				
Total HpCDD	ND	-----	0.990				
OCDF	ND	-----	2.000				
OCDD	7.4	-----	2.000	J			

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
LRL = Lower Reporting Limit
J = Concentration detected is below the calibration range
P = Recovery outside of target range
A = Detection Limit based on signal-to-noise measurement

I = Interference
E = PCDE Interference
ND = Not Detected
NA = Not Applicable
NC = Not Calculated
* = See Discussion

Report No.....01-1046585

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
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Pace Analytical™

Method 8290 Analysis Results

Client - BAYWEST

Client's Sample ID	GP-19-3.5		
Lab Sample ID	102853173		
Filename	V10726O		
Injected By	BAL		
Total Amount Extracted	11.72 g	Matrix	SOIL
% Moisture	11.1	Dilution	10
Dry Weight Extracted	10.4 g	Collected	07/11/2001
ICAL Date	07/23/2001	Received	07/12/2001
CCal Filename(s)	V10726L & V10726R	Extracted	07/18/2001
Method Blank ID	BLANK-1161	Analyzed	07/26/2001 20:51

Native Isomers	Conc ng/Kg	EMPC ng/Kg	LRL ng/Kg		Internal Standards	ng's Added	Percent Recovery	
2,3,7,8-TCDF	78	-----	7.3	A	2,3,7,8-TCDF-13C	2.00	75	
Total TCDF	610	-----	1.9		2,3,7,8-TCDD-13C	2.00	64	
					1,2,3,7,8-PeCDF-13C	2.00	72	
2,3,7,8-TCDD	30	-----	4.7	A	2,3,4,7,8-PeCDF-13C	2.00	69	
Total TCDD	170	-----	1.9		1,2,3,7,8-PeCDD-13C	2.00	66	
					1,2,3,4,7,8-HxCDF-13C	2.00	98	
1,2,3,7,8-PeCDF	190	-----	9.6		1,2,3,6,7,8-HxCDF-13C	2.00	88	
2,3,4,7,8-PeCDF	550	-----	9.6		2,3,4,6,7,8-HxCDF-13C	2.00	97	
Total PeCDF	3600	-----	9.6		1,2,3,7,8,9-HxCDF-13C	2.00	91	
					1,2,3,4,7,8-HxCDD-13C	2.00	88	
1,2,3,7,8-PeCDD	75	-----	9.6		1,2,3,6,7,8-HxCDD-13C	2.00	85	
Total PeCDD	310	-----	9.6		1,2,3,4,6,7,8-HpCDF-13C	2.00	102	I
					1,2,3,4,7,8,9-HpCDF-13C	2.00	89	I
1,2,3,4,7,8-HxCDF	1400	-----	9.6		1,2,3,4,6,7,8-HpCDD-13C	2.00	96	
1,2,3,6,7,8-HxCDF	-----	2200	9.6	E	OCDD-13C	4.00	102	I
2,3,4,6,7,8-HxCDF	700	-----	9.6					
1,2,3,7,8,9-HxCDF	330	-----	9.6		1,2,3,4-TCDD-13C	2.00	NA	
Total HxCDF	45000	-----	9.6		1,2,3,7,8,9-HxCDD-13C	2.00	NA	
1,2,3,4,7,8-HxCDD	140	-----	9.6		2,3,7,8-TCDD-37Cl4	0.20	75	
1,2,3,6,7,8-HxCDD	4200	-----	9.6					
1,2,3,7,8,9-HxCDD	500	-----	9.6					
Total HxCDD	13000	-----	9.6					
1,2,3,4,6,7,8-HpCDF	-----	64000	9.6	E	Total 2,3,7,8-TCDD			
1,2,3,4,7,8,9-HpCDF	1500	-----	11.0	A	Equivalence: 2800 ng/Kg			
Total HpCDF	120000	-----	9.6	S	(Using ITE Factors)			
1,2,3,4,6,7,8-HpCDD	110000	-----	9.6					
Total HpCDD	180000	-----	9.6					
OCDF	170000	-----	19.0					
OCDD	420000	-----	19.0	S				

Results reported on a dry weight basis
Conc = Concentration (Totals include 2,3,7,8-substituted isomers)
EMPC = Estimated Maximum Possible Concentration
A = Detection Limit based on signal-to-noise measurement
J = Concentration detected is below the calibration range
B = Less than 10 times higher than method blank level
P = Recovery outside of target range
Nn = Value obtained from additional analysis

LRL = Lower Reporting Limit
I = Interference
E = PCDE Interference
S = Saturated signal
ND = Not Detected
NA = Not Applicable
NC = Not Calculated
* = See Discussion

Report No.....01-1046585

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
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Method 8290 Analysis Results

Client - BAYWEST

Client's Sample ID	GP-19-DUP		
Lab Sample ID	102853181		
Filename	V10726P		
Injected By	BAL		
Total Amount Extracted	11.24 g	Matrix	SOIL
% Moisture	10.0	Dilution	10
Dry Weight Extracted	10.1 g	Collected	07/11/2001
ICAL Date	07/23/2001	Received	07/12/2001
CCal Filename(s)	V10726L & V10726R	Extracted	07/18/2001
Method Blank ID	BLANK-1161	Analyzed	07/26/2001 21:52

Native Isomers	Conc ng/Kg	EMPC ng/Kg	LRL ng/Kg		Internal Standards	ng's Added	Percent Recovery	
2,3,7,8-TCDF	72	-----	2.8	A	2,3,7,8-TCDF-13C	2.00	70	
Total TCDF	650	-----	2.0		2,3,7,8-TCDD-13C	2.00	63	
					1,2,3,7,8-PeCDF-13C	2.00	65	
2,3,7,8-TCDD	37	-----	4.6	A	2,3,4,7,8-PeCDF-13C	2.00	66	
Total TCDD	160	-----	2.0		1,2,3,7,8-PeCDD-13C	2.00	65	
					1,2,3,4,7,8-HxCDF-13C	2.00	81	
1,2,3,7,8-PeCDF	200	-----	9.9		1,2,3,6,7,8-HxCDF-13C	2.00	73	
2,3,4,7,8-PeCDF	510	-----	9.9		2,3,4,6,7,8-HxCDF-13C	2.00	80	
Total PeCDF	3400	-----	9.9		1,2,3,7,8,9-HxCDF-13C	2.00	82	
					1,2,3,4,7,8-HxCDD-13C	2.00	78	
1,2,3,7,8-PeCDD	57	-----	9.9		1,2,3,6,7,8-HxCDD-13C	2.00	75	
Total PeCDD	440	-----	9.9		1,2,3,4,6,7,8-HpCDF-13C	2.00	95	
					1,2,3,4,7,8,9-HpCDF-13C	2.00	83	
1,2,3,4,7,8-HxCDF	1500	-----	9.9		1,2,3,4,6,7,8-HpCDD-13C	2.00	93	
1,2,3,6,7,8-HxCDF	-----	2800	9.9	E	OCDD-13C	4.00	114	I
2,3,4,6,7,8-HxCDF	860	-----	9.9					
1,2,3,7,8,9-HxCDF	320	-----	9.9		1,2,3,4-TCDD-13C	2.00	NA	
Total HxCDF	46000	-----	9.9		1,2,3,7,8,9-HxCDD-13C	2.00	NA	
1,2,3,4,7,8-HxCDD	140	-----	9.9		2,3,7,8-TCDD-37Cl4	0.20	67	
1,2,3,6,7,8-HxCDD	4400	-----	9.9					
1,2,3,7,8,9-HxCDD	480	-----	9.9					
Total HxCDD	13000	-----	9.9					
1,2,3,4,6,7,8-HpCDF	26000	-----	9.9	S	Total 2,3,7,8-TCDD			
1,2,3,4,7,8,9-HpCDF	1600	-----	9.9		Equivalence: 2600 ng/Kg			
Total HpCDF	100000	-----	9.9	S	(Using ITE Factors)			
1,2,3,4,6,7,8-HpCDD	84000	-----	9.9	S				
Total HpCDD	150000	-----	9.9	S				
OCDF	100000	-----	20.0	S				
OCDD	230000	-----	20.0	S				

Results reported on a dry weight basis
Conc = Concentration (Totals include 2,3,7,8-substituted isomers)
EMPC = Estimated Maximum Possible Concentration
A = Detection Limit based on signal-to-noise measurement
J = Concentration detected is below the calibration range
B = Less than 10 times higher than method blank level
P = Recovery outside of target range
Nn = Value obtained from additional analysis

LRL = Lower Reporting Limit
I = Interference
E = PCDE Interference
S = Saturated signal
ND = Not Detected
NA = Not Applicable
NC = Not Calculated
* = See Discussion

Report No.....01-1046585

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612- 607-6444

Method 8290 Analysis Results

Client - BAYWEST

Client's Sample ID	GP-20-3.0		
Lab Sample ID	102853116		
Filename	V10726H		
Injected By	MASB		
Total Amount Extracted	10.96 g	Matrix	SOIL
% Moisture	7.3	Dilution	10
Dry Weight Extracted	10.2 g	Collected	07/06/2001
ICAL Date	07/23/2001	Received	07/12/2001
CCal Filename(s)	V10726A & V10726L	Extracted	07/18/2001
Method Blank ID	BLANK-1161	Analyzed	07/26/2001 13:36

Native Isomers	Conc ng/Kg	EMPC ng/Kg	LRL ng/Kg		Internal Standards	ng's Added	Percent Recovery	
2,3,7,8-TCDF	6.6	-----	3.6	AJ	2,3,7,8-TCDF-13C	2.00	53	
Total TCDF	95.0	-----	2.0		2,3,7,8-TCDD-13C	2.00	53	
					1,2,3,7,8-PeCDF-13C	2.00	65	
2,3,7,8-TCDD	8.0	-----	4.4	AJ	2,3,4,7,8-PeCDF-13C	2.00	65	
Total TCDD	80.0	-----	2.0		1,2,3,7,8-PeCDD-13C	2.00	65	
					1,2,3,4,7,8-HxCDF-13C	2.00	89	
1,2,3,7,8-PeCDF	33.0	-----	9.8	J	1,2,3,6,7,8-HxCDF-13C	2.00	85	
2,3,4,7,8-PeCDF	58.0	-----	9.8		2,3,4,6,7,8-HxCDF-13C	2.00	84	
Total PeCDF	580.0	-----	9.8		1,2,3,7,8,9-HxCDF-13C	2.00	84	
					1,2,3,4,7,8-HxCDD-13C	2.00	87	
1,2,3,7,8-PeCDD	44.0	-----	9.8	J	1,2,3,6,7,8-HxCDD-13C	2.00	78	
Total PeCDD	280.0	-----	9.8		1,2,3,4,6,7,8-HpCDF-13C	2.00	99	
					1,2,3,4,7,8,9-HpCDF-13C	2.00	93	
1,2,3,4,7,8-HxCDF	200.0	-----	9.8		1,2,3,4,6,7,8-HpCDD-13C	2.00	105	
1,2,3,6,7,8-HxCDF	-----	1100	9.8	E	OCDD-13C	4.00	143	P
2,3,4,6,7,8-HxCDF	180.0	-----	9.8					
1,2,3,7,8,9-HxCDF	42.0	-----	9.8	J	1,2,3,4-TCDD-13C	2.00	NA	
Total HxCDF	5200.0	-----	9.8		1,2,3,7,8,9-HxCDD-13C	2.00	NA	
1,2,3,4,7,8-HxCDD	120.0	-----	9.8		2,3,7,8-TCDD-37Cl4	0.20	58	
1,2,3,6,7,8-HxCDD	740.0	-----	9.8					
1,2,3,7,8,9-HxCDD	200.0	-----	9.8					
Total HxCDD	3200.0	-----	9.8					
1,2,3,4,6,7,8-HpCDF	-----	18000	9.8	E	Total 2,3,7,8-TCDD			
1,2,3,4,7,8,9-HpCDF	330.0	-----	9.8		Equivalence: 590 ng/Kg			
Total HpCDF	17000.0	-----	9.8		(Using ITE Factors)			
1,2,3,4,6,7,8-HpCDD	24000.0	-----	9.8					
Total HpCDD	40000.0	-----	9.8					
OCDF	19000.0	-----	20.0					
OCDD	120000.0	-----	20.0	S				

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P = Recovery outside of target range
Nn = Value obtained from additional analysis

LRL = Lower Reporting Limit
I = Interference
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S = Saturated signal
ND = Not Detected
NA = Not Applicable
NC = Not Calculated
* = See Discussion

Report No.....01-1046585

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612- 607-6444

Pace Analytical™

Method 8290 Analysis Results

Client - BAYWEST

Client's Sample ID	GP-21-3.5		
Lab Sample ID	102853165		
Filename	V10726K		
Injected By	BAL		
Total Amount Extracted	10.97 g	Matrix	SOIL
% Moisture	5.4	Dilution	10
Dry Weight Extracted	10.4 g	Collected	07/11/2001
ICAL Date	07/23/2001	Received	07/12/2001
CCal Filename(s)	V10726A & V10726L	Extracted	07/18/2001
Method Blank ID	BLANK-1161	Analyzed	07/26/2001 16:46

Native Isomers	Conc ng/Kg	EMPC ng/Kg	LRL ng/Kg		Internal Standards	ng's Added	Percent Recovery	
2,3,7,8-TCDF	39	-----	5.4	A	2,3,7,8-TCDF-13C	2.00	69	
Total TCDF	260	-----	1.9		2,3,7,8-TCDD-13C	2.00	66	
					1,2,3,7,8-PeCDF-13C	2.00	75	
2,3,7,8-TCDD	24	-----	5.8	A	2,3,4,7,8-PeCDF-13C	2.00	72	
Total TCDD	130	-----	1.9		1,2,3,7,8-PeCDD-13C	2.00	61	
					1,2,3,4,7,8-HxCDF-13C	2.00	80	
1,2,3,7,8-PeCDF	90	-----	9.6		1,2,3,6,7,8-HxCDF-13C	2.00	79	
2,3,4,7,8-PeCDF	250	-----	9.6		2,3,4,6,7,8-HxCDF-13C	2.00	80	
Total PeCDF	1600	-----	9.6		1,2,3,7,8,9-HxCDF-13C	2.00	82	
					1,2,3,4,7,8-HxCDD-13C	2.00	77	
1,2,3,7,8-PeCDD	58	-----	11.0	A	1,2,3,6,7,8-HxCDD-13C	2.00	74	
Total PeCDD	320	-----	9.6		1,2,3,4,6,7,8-HpCDF-13C	2.00	103	
					1,2,3,4,7,8,9-HpCDF-13C	2.00	88	
1,2,3,4,7,8-HxCDF	780	-----	9.6		1,2,3,4,6,7,8-HpCDD-13C	2.00	103	
1,2,3,6,7,8-HxCDF	-----	1700	9.6	E	OCDD-13C	4.00	148	IP
2,3,4,6,7,8-HxCDF	400	-----	9.6					
1,2,3,7,8,9-HxCDF	210	-----	9.6		1,2,3,4-TCDD-13C	2.00	NA	
Total HxCDF	22000	-----	9.6		1,2,3,7,8,9-HxCDD-13C	2.00	NA	
1,2,3,4,7,8-HxCDD	73	-----	9.6		2,3,7,8-TCDD-37Cl4	0.20	71	
1,2,3,6,7,8-HxCDD	2100	-----	9.6					
1,2,3,7,8,9-HxCDD	300	-----	9.6					
Total HxCDD	7500	-----	9.6					
1,2,3,4,6,7,8-HpCDF	-----	41000	9.6	E	Total 2,3,7,8-TCDD			
1,2,3,4,7,8,9-HpCDF	760	-----	9.6		Equivalence: 1400 ng/Kg			
Total HpCDF	64000	-----	9.6	S	(Using ITE Factors)			
1,2,3,4,6,7,8-HpCDD	59000	-----	9.6					
Total HpCDD	100000	-----	9.6					
OCDF	65000	-----	19.0					
OCDD	200000	-----	19.0	S				

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Report No.....01-1046585

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612- 607-6444

Method 8290 Analysis Results

Client - BAYWEST

Client's Sample ID	GP-22-2.0		
Lab Sample ID	102853082		
Filename	V10726Q		
Injected By	BAL		
Total Amount Extracted	12.33 g	Matrix	SOIL
% Moisture	17.6	Dilution	10
Dry Weight Extracted	10.2 g	Collected	07/05/2001
ICAL Date	07/23/2001	Received	07/12/2001
CCal Filename(s)	V10726L & V10726R	Extracted	07/18/2001
Method Blank ID	BLANK-1161	Analyzed	07/26/2001 22:55

Native Isomers	Conc ng/Kg	EMPC ng/Kg	LRL ng/Kg		Internal Standards	ng's Added	Percent Recovery	
2,3,7,8-TCDF	360	-----	3.1	A	2,3,7,8-TCDF-13C	2.00	62	
Total TCDF	3600	-----	2.0		2,3,7,8-TCDD-13C	2.00	57	
					1,2,3,7,8-PeCDF-13C	2.00	61	
2,3,7,8-TCDD	790	-----	11.0	A	2,3,4,7,8-PeCDF-13C	2.00	63	
Total TCDD	5800	-----	2.0		1,2,3,7,8-PeCDD-13C	2.00	60	
					1,2,3,4,7,8-HxCDF-13C	2.00	82	
1,2,3,7,8-PeCDF	690	-----	9.8		1,2,3,6,7,8-HxCDF-13C	2.00	71	
2,3,4,7,8-PeCDF	1100	-----	9.8		2,3,4,6,7,8-HxCDF-13C	2.00	76	
Total PeCDF	13000	-----	9.8		1,2,3,7,8,9-HxCDF-13C	2.00	80	
					1,2,3,4,7,8-HxCDD-13C	2.00	76	
1,2,3,7,8-PeCDD	1000	-----	9.8		1,2,3,6,7,8-HxCDD-13C	2.00	63	
Total PeCDD	8900	-----	9.8		1,2,3,4,6,7,8-HpCDF-13C	2.00	82	
					1,2,3,4,7,8,9-HpCDF-13C	2.00	78	
1,2,3,4,7,8-HxCDF	2400	-----	11.0	A	1,2,3,4,6,7,8-HpCDD-13C	2.00	112	
1,2,3,6,7,8-HxCDF	-----	2000	13.0	EA	OCDD-13C	4.00	189	IP
2,3,4,6,7,8-HxCDF	1600	-----	9.8					
1,2,3,7,8,9-HxCDF	330	-----	9.8		1,2,3,4-TCDD-13C	2.00	NA	
Total HxCDF	46000	-----	9.8		1,2,3,7,8,9-HxCDD-13C	2.00	NA	
1,2,3,4,7,8-HxCDD	1200	-----	33.0	A	2,3,7,8-TCDD-37Cl4	0.20	80	
1,2,3,6,7,8-HxCDD	11000	-----	35.0	A				
1,2,3,7,8,9-HxCDD	3600	-----	37.0	A				
Total HxCDD	64000	-----	9.8					
1,2,3,4,6,7,8-HpCDF	28000	-----	15.0	A	Total 2,3,7,8-TCDD			
1,2,3,4,7,8,9-HpCDF	1600	-----	10.0	A	Equivalence: 5800 ng/Kg			
Total HpCDF	86000	-----	9.8		(Using ITE Factors)			
1,2,3,4,6,7,8-HpCDD	120000	-----	9.8	S				
Total HpCDD	240000	-----	9.8	S				
OCDF	37000	-----	20.0					
OCDD	290000	-----	20.0	S				

Results reported on a dry weight basis
Conc = Concentration (Totals include 2,3,7,8-substituted isomers)
EMPC = Estimated Maximum Possible Concentration
A = Detection Limit based on signal-to-noise measurement
J = Concentration detected is below the calibration range
B = Less than 10 times higher than method blank level
P = Recovery outside of target range
Nn = Value obtained from additional analysis

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S = Saturated signal
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NA = Not Applicable
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Report No.....01-1046585

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612- 607-6444

Method 8290 Analysis Results

Client - BAYWEST

Client's Sample ID	GP-23-2.5		
Lab Sample ID	102853140		
Filename	V10726J		
Injected By	BAL		
Total Amount Extracted	11.53 g	Matrix	SOIL
% Moisture	12.3	Dilution	10
Dry Weight Extracted	10.1 g	Collected	07/10/2001
ICAL Date	07/23/2001	Received	07/12/2001
CCal Filename(s)	V10726A & V10726L	Extracted	07/18/2001
Method Blank ID	BLANK-1161	Analyzed	07/26/2001 15:46

Native Isomers	Conc ng/Kg	EMPC ng/Kg	LRL ng/Kg		Internal Standards	ng's Added	Percent Recovery	
2,3,7,8-TCDF	25	-----	4.7	A	2,3,7,8-TCDF-13C	2.00	73	
Total TCDF	520	-----	2.0		2,3,7,8-TCDD-13C	2.00	76	
					1,2,3,7,8-PeCDF-13C	2.00	79	
2,3,7,8-TCDD	36	-----	2.7	A	2,3,4,7,8-PeCDF-13C	2.00	74	
Total TCDD	260	-----	2.0		1,2,3,7,8-PeCDD-13C	2.00	65	
					1,2,3,4,7,8-HxCDF-13C	2.00	88	
1,2,3,7,8-PeCDF	110	-----	9.9		1,2,3,6,7,8-HxCDF-13C	2.00	81	
2,3,4,7,8-PeCDF	170	-----	9.9		2,3,4,6,7,8-HxCDF-13C	2.00	83	
Total PeCDF	3400	-----	9.9		1,2,3,7,8,9-HxCDF-13C	2.00	86	
					1,2,3,4,7,8-HxCDD-13C	2.00	80	
1,2,3,7,8-PeCDD	160	-----	9.9		1,2,3,6,7,8-HxCDD-13C	2.00	74	
Total PeCDD	1200	-----	9.9		1,2,3,4,6,7,8-HpCDF-13C	2.00	107	
					1,2,3,4,7,8,9-HpCDF-13C	2.00	87	
1,2,3,4,7,8-HxCDF	560	-----	9.9		1,2,3,4,6,7,8-HpCDD-13C	2.00	105	
1,2,3,6,7,8-HxCDF	-----	4000	9.9	E	OCDD-13C	4.00	149	IP
2,3,4,6,7,8-HxCDF	800	-----	9.9					
1,2,3,7,8,9-HxCDF	110	-----	9.9		1,2,3,4-TCDD-13C	2.00	NA	
Total HxCDF	15000	-----	9.9		1,2,3,7,8,9-HxCDD-13C	2.00	NA	
1,2,3,4,7,8-HxCDD	600	-----	9.9		2,3,7,8-TCDD-37Cl4	0.20	80	
1,2,3,6,7,8-HxCDD	2200	-----	9.9					
1,2,3,7,8,9-HxCDD	1300	-----	9.9					
Total HxCDD	14000	-----	9.9					
1,2,3,4,6,7,8-HpCDF	21000	-----	9.9	S	Total 2,3,7,8-TCDD			
1,2,3,4,7,8,9-HpCDF	840	-----	9.9		Equivalence: 1800 ng/Kg			
Total HpCDF	45000	-----	9.9		(Using ITE Factors)			
1,2,3,4,6,7,8-HpCDD	66000	-----	9.9	S				
Total HpCDD	110000	-----	9.9					
OCDF	27000	-----	20.0					
OCDD	190000	-----	20.0	S				

Results reported on a dry weight basis
Conc = Concentration (Totals include 2,3,7,8-substituted isomers)
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B = Less than 10 times higher than method blank level
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Report No.....01-1046585

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612- 607-6444

Pace Analytical™

Method 8290 Analysis Results

Client - BAYWEST

Client's Sample ID	GP-23-3.5		
Lab Sample ID	102853157		
Filename	U10725B_11		
Injected By	BAL		
Total Amount Extracted	11.02 g	Matrix	SOIL
% Moisture	8.1	Dilution	NA
Dry Weight Extracted	10.1 g	Collected	07/10/2001
ICAL Date	07/25/2001	Received	07/12/2001
CCal Filename(s)	U10725B_05 & U10725B_23	Extracted	07/18/2001
Method Blank ID	BLANK-1161	Analyzed	07/26/2001 00:19

Native Isomers	Conc ng/Kg	EMPC ng/Kg	LRL ng/Kg		Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	1.4	-----	0.400	A	2,3,7,8-TCDF-13C	2.00	41
Total TCDF	17.0	-----	0.200		2,3,7,8-TCDD-13C	2.00	52
					1,2,3,7,8-PeCDF-13C	2.00	66
2,3,7,8-TCDD	3.7	-----	0.200	A	2,3,4,7,8-PeCDF-13C	2.00	70
Total TCDD	26.0	-----	0.200		1,2,3,7,8-PeCDD-13C	2.00	73
					1,2,3,4,7,8-HxCDF-13C	2.00	85
1,2,3,7,8-PeCDF	5.9	-----	0.990		1,2,3,6,7,8-HxCDF-13C	2.00	79
2,3,4,7,8-PeCDF	7.2	-----	0.990		2,3,4,6,7,8-HxCDF-13C	2.00	81
Total PeCDF	160.0	-----	0.990		1,2,3,7,8,9-HxCDF-13C	2.00	80
					1,2,3,4,7,8-HxCDD-13C	2.00	83
1,2,3,7,8-PeCDD	8.5	-----	0.990		1,2,3,6,7,8-HxCDD-13C	2.00	80
Total PeCDD	80.0	-----	0.990		1,2,3,4,6,7,8-HpCDF-13C	2.00	87
					1,2,3,4,7,8,9-HpCDF-13C	2.00	81
1,2,3,4,7,8-HxCDF	30.0	-----	0.990		1,2,3,4,6,7,8-HpCDD-13C	2.00	95
1,2,3,6,7,8-HxCDF	-----	21	0.990	E	OCDD-13C	4.00	131
2,3,4,6,7,8-HxCDF	33.0	-----	0.990				
1,2,3,7,8,9-HxCDF	4.6	-----	0.990	J	1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	710.0	-----	0.990		1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	28.0	-----	0.990		2,3,7,8-TCDD-37Cl4	0.20	51
1,2,3,6,7,8-HxCDD	120.0	-----	0.990				
1,2,3,7,8,9-HxCDD	58.0	-----	0.990				
Total HxCDD	950.0	-----	0.990				
1,2,3,4,6,7,8-HpCDF	-----	2400	0.990	E	Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	45.0	-----	0.990		Equivalence: 110 ng/Kg		
Total HpCDF	1300.0	-----	0.990		(Using ITE Factors)		
1,2,3,4,6,7,8-HpCDD	3400.0	-----	0.990				
Total HpCDD	6100.0	-----	0.990				
OCDF	1200.0	-----	2.000				
OCDD	36000.0	-----	2.000				

Results reported on a dry weight basis
Conc = Concentration (Totals include 2,3,7,8-substituted isomers)
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Report No.....01-1046585

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612- 607-6444

Pace Analytical™

Method 8290 Analysis Results

Client - BAYWEST

Client's Sample ID	GP-24-3.0		
Lab Sample ID	102853132		
Filename	U10725B_10		
Injected By	BAL		
Total Amount Extracted	11.21 g	Matrix	SOIL
% Moisture	9.5	Dilution	NA
Dry Weight Extracted	10.1 g	Collected	07/10/2001
ICAL Date	07/25/2001	Received	07/12/2001
CCal Filename(s)	U10725B_05 & U10725B_23	Extracted	07/18/2001
Method Blank ID	BLANK-1161	Analyzed	07/25/2001 23:29

Native Isomers	Conc ng/Kg	EMPC ng/Kg	LRL ng/Kg		Internal Standards	ng's Added	Percent Recovery	
2,3,7,8-TCDF	0.70	-----	0.280	JA	2,3,7,8-TCDF-13C	2.00	39	P
Total TCDF	7.00	-----	0.200		2,3,7,8-TCDD-13C	2.00	42	
					1,2,3,7,8-PeCDF-13C	2.00	52	
2,3,7,8-TCDD	0.84	-----	0.280	JA	2,3,4,7,8-PeCDF-13C	2.00	55	
Total TCDD	8.40	-----	0.200		1,2,3,7,8-PeCDD-13C	2.00	56	
					1,2,3,4,7,8-HxCDF-13C	2.00	64	
1,2,3,7,8-PeCDF	3.00	-----	0.990	J	1,2,3,6,7,8-HxCDF-13C	2.00	62	
2,3,4,7,8-PeCDF	2.80	-----	0.990	J	2,3,4,6,7,8-HxCDF-13C	2.00	64	
Total PeCDF	67.00	-----	0.990		1,2,3,7,8,9-HxCDF-13C	2.00	63	
					1,2,3,4,7,8-HxCDD-13C	2.00	62	
1,2,3,7,8-PeCDD	3.20	-----	0.990	J	1,2,3,6,7,8-HxCDD-13C	2.00	65	
Total PeCDD	47.00	-----	0.990		1,2,3,4,6,7,8-HpCDF-13C	2.00	65	
					1,2,3,4,7,8,9-HpCDF-13C	2.00	65	
1,2,3,4,7,8-HxCDF	11.00	-----	0.990		1,2,3,4,6,7,8-HpCDD-13C	2.00	72	
1,2,3,6,7,8-HxCDF	9.80	-----	0.990		OCDD-13C	4.00	101	I
2,3,4,6,7,8-HxCDF	14.00	-----	0.990					
1,2,3,7,8,9-HxCDF	1.50	-----	0.990	J	1,2,3,4-TCDD-13C	2.00	NA	
Total HxCDF	250.00	-----	0.990		1,2,3,7,8,9-HxCDD-13C	2.00	NA	
1,2,3,4,7,8-HxCDD	14.00	-----	0.990		2,3,7,8-TCDD-37Cl4	0.20	40	
1,2,3,6,7,8-HxCDD	50.00	-----	0.990					
1,2,3,7,8,9-HxCDD	27.00	-----	0.990					
Total HxCDD	510.00	-----	0.990					
1,2,3,4,6,7,8-HpCDF	-----	1000	0.990	E	Total 2,3,7,8-TCDD			
1,2,3,4,7,8,9-HpCDF	13.00	-----	0.990		Equivalence: 80 ng/Kg			
Total HpCDF	360.00	-----	0.990		(Using ITE Factors)			
1,2,3,4,6,7,8-HpCDD	1900.00	-----	0.990					
Total HpCDD	4300.00	-----	0.990					
OCDF	370.00	-----	2.000					
OCDD	43000.00	-----	2.000					

Results reported on a dry weight basis
Conc = Concentration (Totals include 2,3,7,8-substituted isomers)
EMPC = Estimated Maximum Possible Concentration
A = Detection Limit based on signal-to-noise measurement
J = Concentration detected is below the calibration range
B = Less than 10 times higher than method blank level
P = Recovery outside of target range
Nn = Value obtained from additional analysis

LRL = Lower Reporting Limit
I = Interference
E = PCDE Interference
S = Saturated signal
ND = Not Detected
NA = Not Applicable
NC = Not Calculated
* = See Discussion

Report No.....01-1046585

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612- 607-6444

Pace Analytical™

Method 8290 Analysis Results

Client - BAYWEST

Client's Sample ID	GP-25-3.0		
Lab Sample ID	102853124		
Filename	V10726I		
Injected By	MASB		
Total Amount Extracted	12.39 g	Matrix	SOIL
% Moisture	17.4	Dilution	10
Dry Weight Extracted	10.2 g	Collected	07/10/2001
ICAL Date	07/23/2001	Received	07/12/2001
CCal Filename(s)	V10726A & V10726L	Extracted	07/18/2001
Method Blank ID	BLANK-1161	Analyzed	07/26/2001 14:44

Native Isomers	Conc ng/Kg	EMPC ng/Kg	LRL ng/Kg		Internal Standards	ng's Added	Percent Recovery	
2,3,7,8-TCDF	42	-----	2.2	A	2,3,7,8-TCDF-13C	2.00	61	
Total TCDF	1600	-----	2.0		2,3,7,8-TCDD-13C	2.00	64	
					1,2,3,7,8-PeCDF-13C	2.00	58	
2,3,7,8-TCDD	37	-----	2.9	A	2,3,4,7,8-PeCDF-13C	2.00	54	
Total TCDD	770	-----	2.0		1,2,3,7,8-PeCDD-13C	2.00	57	
					1,2,3,4,7,8-HxCDF-13C	2.00	83	
1,2,3,7,8-PeCDF	160	-----	9.8		1,2,3,6,7,8-HxCDF-13C	2.00	74	
2,3,4,7,8-PeCDF	250	-----	9.8		2,3,4,6,7,8-HxCDF-13C	2.00	74	
Total PeCDF	8900	-----	9.8		1,2,3,7,8,9-HxCDF-13C	2.00	73	
					1,2,3,4,7,8-HxCDD-13C	2.00	81	
1,2,3,7,8-PeCDD	220	-----	9.8		1,2,3,6,7,8-HxCDD-13C	2.00	72	
Total PeCDD	4000	-----	9.8		1,2,3,4,6,7,8-HpCDF-13C	2.00	81	
					1,2,3,4,7,8,9-HpCDF-13C	2.00	73	
1,2,3,4,7,8-HxCDF	950	-----	9.8		1,2,3,4,6,7,8-HpCDD-13C	2.00	90	
1,2,3,6,7,8-HxCDF	-----	2000	9.8	E	OCDD-13C	4.00	118	I
2,3,4,6,7,8-HxCDF	1100	-----	9.8					
1,2,3,7,8,9-HxCDF	120	-----	9.8		1,2,3,4-TCDD-13C	2.00	NA	
Total HxCDF	25000	-----	9.8		1,2,3,7,8,9-HxCDD-13C	2.00	NA	
1,2,3,4,7,8-HxCDD	1000	-----	9.8		2,3,7,8-TCDD-37Cl4	0.20	70	
1,2,3,6,7,8-HxCDD	3600	-----	9.8					
1,2,3,7,8,9-HxCDD	2100	-----	9.8					
Total HxCDD	27000	-----	9.8					
1,2,3,4,6,7,8-HpCDF	20000	-----	9.8		Total 2,3,7,8-TCDD			
1,2,3,4,7,8,9-HpCDF	1300	-----	9.8		Equivalence: 2500 ng/Kg			
Total HpCDF	35000	-----	9.8		(Using ITE Factors)			
1,2,3,4,6,7,8-HpCDD	80000	-----	9.8	S				
Total HpCDD	150000	-----	9.8	S				
OCDF	34000	-----	20.0					
OCDD	220000	-----	20.0	S				

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B = Less than 10 times higher than method blank level
P = Recovery outside of target range
Nn = Value obtained from additional analysis

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E = PCDE Interference
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NC = Not Calculated
* = See Discussion

Report No.....01-1046585

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
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Pace Analytical™

Method 8290 Analysis Results

Client - BAYWEST

Client's Sample ID	GP-26-3.0		
Lab Sample ID	102853199		
Filename	U10725B_12		
Injected By	BAL		
Total Amount Extracted	12.56 g	Matrix	SOIL
% Moisture	19.7	Dilution	NA
Dry Weight Extracted	10.1 g	Collected	07/11/2001
ICAL Date	07/25/2001	Received	07/12/2001
CCal Filename(s)	U10725B_05 & U10725B_23	Extracted	07/18/2001
Method Blank ID	BLANK-1161	Analyzed	07/26/2001 01:08

Native Isomers	Conc ng/Kg	EMPC ng/Kg	LRL ng/Kg		Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	48.0	-----	1.000	A	2,3,7,8-TCDF-13C	2.00	59
Total TCDF	420.0	-----	0.200		2,3,7,8-TCDD-13C	2.00	68
					1,2,3,7,8-PeCDF-13C	2.00	71
2,3,7,8-TCDD	5.7	-----	0.460	A	2,3,4,7,8-PeCDF-13C	2.00	68
Total TCDD	96.0	-----	0.200		1,2,3,7,8-PeCDD-13C	2.00	70
					1,2,3,4,7,8-HxCDF-13C	2.00	78
1,2,3,7,8-PeCDF	17.0	-----	0.990		1,2,3,6,7,8-HxCDF-13C	2.00	74
2,3,4,7,8-PeCDF	26.0	-----	0.990		2,3,4,6,7,8-HxCDF-13C	2.00	72
Total PeCDF	300.0	-----	0.990		1,2,3,7,8,9-HxCDF-13C	2.00	74
					1,2,3,4,7,8-HxCDD-13C	2.00	78
1,2,3,7,8-PeCDD	28.0	-----	0.990		1,2,3,6,7,8-HxCDD-13C	2.00	73
Total PeCDD	240.0	-----	0.990		1,2,3,4,6,7,8-HpCDF-13C	2.00	78
					1,2,3,4,7,8,9-HpCDF-13C	2.00	74
1,2,3,4,7,8-HxCDF	41.0	-----	0.990		1,2,3,4,6,7,8-HpCDD-13C	2.00	87
1,2,3,6,7,8-HxCDF	-----	16	0.990	E	OCDD-13C	4.00	124
2,3,4,6,7,8-HxCDF	45.0	-----	0.990				
1,2,3,7,8,9-HxCDF	10.0	-----	0.990		1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	800.0	-----	0.990		1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	92.0	-----	0.990		2,3,7,8-TCDD-37Cl4	0.20	70
1,2,3,6,7,8-HxCDD	200.0	-----	0.990				
1,2,3,7,8,9-HxCDD	67.0	-----	0.990				
Total HxCDD	1100.0	-----	0.990				
1,2,3,4,6,7,8-HpCDF	1300.0	-----	0.990		Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	52.0	-----	0.990		Equivalence: 180 ng/Kg		
Total HpCDF	2800.0	-----	0.990		(Using ITE Factors)		
1,2,3,4,6,7,8-HpCDD	4000.0	-----	0.990				
Total HpCDD	6700.0	-----	0.990				
OCDF	1500.0	-----	2.000				
OCDD	43000.0	-----	2.000				

Results reported on a dry weight basis
Conc = Concentration (Totals include 2,3,7,8-substituted isomers)
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B = Less than 10 times higher than method blank level
P = Recovery outside of target range
Nn = Value obtained from additional analysis

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E = PCDE Interference
S = Saturated signal
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NA = Not Applicable
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Report No.....01-1046585

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
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Pace Analytical™

Method 8290 Analysis Results

Client - BAYWEST

Client's Sample ID	GP-26-4.0		
Lab Sample ID	102853207		
Filename	U10725B_13		
Injected By	BAL		
Total Amount Extracted	11.66 g	Matrix	SOIL
% Moisture	11.5	Dilution	NA
Dry Weight Extracted	10.3 g	Collected	07/11/2001
ICAL Date	07/25/2001	Received	07/12/2001
CCal Filename(s)	U10725B_05 & U10725B_23	Extracted	07/18/2001
Method Blank ID	BLANK-1161	Analyzed	07/26/2001 01:58

Native Isomers	Conc ng/Kg	EMPC ng/Kg	LRL ng/Kg		Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	1.50	-----	0.650	A	2,3,7,8-TCDF-13C	2.00	48
Total TCDF	10.00	-----	0.190		2,3,7,8-TCDD-13C	2.00	55
					1,2,3,7,8-PeCDF-13C	2.00	71
2,3,7,8-TCDD	0.99	-----	0.270	A	2,3,4,7,8-PeCDF-13C	2.00	75
Total TCDD	5.00	-----	0.190		1,2,3,7,8-PeCDD-13C	2.00	76
					1,2,3,4,7,8-HxCDF-13C	2.00	82
1,2,3,7,8-PeCDF	1.80	-----	0.970	J	1,2,3,6,7,8-HxCDF-13C	2.00	81
2,3,4,7,8-PeCDF	2.50	-----	0.970	J	2,3,4,6,7,8-HxCDF-13C	2.00	78
Total PeCDF	41.00	-----	0.970		1,2,3,7,8,9-HxCDF-13C	2.00	77
					1,2,3,4,7,8-HxCDD-13C	2.00	79
1,2,3,7,8-PeCDD	5.10	-----	0.970		1,2,3,6,7,8-HxCDD-13C	2.00	76
Total PeCDD	30.00	-----	0.970		1,2,3,4,6,7,8-HpCDF-13C	2.00	80
					1,2,3,4,7,8,9-HpCDF-13C	2.00	74
1,2,3,4,7,8-HxCDF	7.30	-----	0.970		1,2,3,4,6,7,8-HpCDD-13C	2.00	81
1,2,3,6,7,8-HxCDF	5.00	-----	0.970		OCDD-13C	4.00	95
2,3,4,6,7,8-HxCDF	9.40	-----	0.970				
1,2,3,7,8,9-HxCDF	1.80	-----	0.970	J	1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	170.00	-----	0.970		1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	12.00	-----	0.970		2,3,7,8-TCDD-37Cl4	0.20	54
1,2,3,6,7,8-HxCDD	45.00	-----	0.970				
1,2,3,7,8,9-HxCDD	24.00	-----	0.970				
Total HxCDD	270.00	-----	0.970				
1,2,3,4,6,7,8-HpCDF	-----	670	0.970	E	Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	12.00	-----	0.970		Equivalence: 39 ng/Kg		
Total HpCDF	290.00	-----	0.970		(Using ITE Factors)		
1,2,3,4,6,7,8-HpCDD	1100.00	-----	0.970				
Total HpCDD	1900.00	-----	0.970				
OCDF	350.00	-----	1.900				
OCDD	13000.00	-----	1.900				

Results reported on a dry weight basis
Conc = Concentration (Totals include 2,3,7,8-substituted isomers)
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B = Less than 10 times higher than method blank level
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Nn = Value obtained from additional analysis

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S = Saturated signal
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NA = Not Applicable
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Report No.....01-1046585

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
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Minneapolis, MN 55414

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Fax: 612- 607-6444

Pace Analytical™

Method 8290 Analysis Results

Client - BAYWEST

Client's Sample ID	GP-27-3.0		
Lab Sample ID	102853090		
Filename	V10726G		
Injected By	MCH		
Total Amount Extracted	12.56 g	Matrix	SOIL
% Moisture	19.4	Dilution	10
Dry Weight Extracted	10.1 g	Collected	07/06/2001
ICAL Date	07/23/2001	Received	07/12/2001
CCal Filename(s)	V10726A & V10726L	Extracted	07/18/2001
Method Blank ID	BLANK-1161	Analyzed	07/26/2001 12:20

Native Isomers	Conc ng/Kg	EMPC ng/Kg	LRL ng/Kg		Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	-----	3.4	2.0	I	2,3,7,8-TCDF-13C	2.00	70
Total TCDF	94	-----	2.0		2,3,7,8-TCDD-13C	2.00	86
					1,2,3,7,8-PeCDF-13C	2.00	67
2,3,7,8-TCDD	11	-----	2.0		2,3,4,7,8-PeCDF-13C	2.00	68
Total TCDD	76	-----	2.0		1,2,3,7,8-PeCDD-13C	2.00	63
					1,2,3,4,7,8-HxCDF-13C	2.00	98
1,2,3,7,8-PeCDF	10	-----	9.9	J	1,2,3,6,7,8-HxCDF-13C	2.00	95
2,3,4,7,8-PeCDF	18	-----	9.9	J	2,3,4,6,7,8-HxCDF-13C	2.00	92
Total PeCDF	260	-----	9.9		1,2,3,7,8,9-HxCDF-13C	2.00	86
					1,2,3,4,7,8-HxCDD-13C	2.00	93
1,2,3,7,8-PeCDD	20	-----	9.9	J	1,2,3,6,7,8-HxCDD-13C	2.00	87
Total PeCDD	220	-----	9.9		1,2,3,4,6,7,8-HpCDF-13C	2.00	86
					1,2,3,4,7,8,9-HpCDF-13C	2.00	87
1,2,3,4,7,8-HxCDF	28	-----	9.9	J	1,2,3,4,6,7,8-HpCDD-13C	2.00	90
1,2,3,6,7,8-HxCDF	-----	120.0	9.9	E	OCDD-13C	4.00	105
2,3,4,6,7,8-HxCDF	30	-----	9.9	J			
1,2,3,7,8,9-HxCDF	ND	-----	9.9		1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	810	-----	9.9		1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	24	-----	9.9	J	2,3,7,8-TCDD-37Cl4	0.20	90
1,2,3,6,7,8-HxCDD	120	-----	9.9				
1,2,3,7,8,9-HxCDD	54	-----	9.9				
Total HxCDD	1100	-----	9.9				
1,2,3,4,6,7,8-HpCDF	-----	1800.0	9.9	E	Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	29	-----	9.9	J	Equivalence: 120 ng/Kg		
Total HpCDF	1100	-----	9.9		(Using ITE Factors)		
1,2,3,4,6,7,8-HpCDD	2800	-----	9.9				
Total HpCDD	5800	-----	9.9				
OCDF	1200	-----	20.0				
OCDD	35000	-----	20.0				

Results reported on a dry weight basis
Conc = Concentration (Totals include 2,3,7,8-substituted isomers)
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J = Concentration detected is below the calibration range
B = Less than 10 times higher than method blank level
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Nn = Value obtained from additional analysis

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S = Saturated signal
ND = Not Detected
NA = Not Applicable
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Report No.....01-1046585

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
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Pace Analytical™

Method 8290 Laboratory Control Spike Results

Client - BAYWEST

Lab Sample ID	SPIKE-1153		
Filename	V10725D	Matrix	SOLID
Total Amount Extracted	10.06 g	Dilution	NA
ICAL Date	07/23/2001	Extracted	07/18/2001
CCal Filename(s)	V10725A & V10725M	Analyzed	07/25/2001 10:12
Method Blank ID	BLANK-1161	Injected By	MCH

Native Isomers	Qs (ng)	Qm (ng)	% Rec.	Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	0.20	0.19	93	2,3,7,8-TCDF-13C	2.00	58
				2,3,7,8-TCDD-13C	2.00	63
				1,2,3,7,8-PeCDF-13C	2.00	70
2,3,7,8-TCDD	0.20	0.20	100	2,3,4,7,8-PeCDF-13C	2.00	73
				1,2,3,7,8-PeCDD-13C	2.00	78
				1,2,3,4,7,8-HxCDF-13C	2.00	90
1,2,3,7,8-PeCDF	1.00	1.01	101	1,2,3,6,7,8-HxCDF-13C	2.00	84
2,3,4,7,8-PeCDF	1.00	0.97	97	2,3,4,6,7,8-HxCDF-13C	2.00	86
				1,2,3,7,8,9-HxCDF-13C	2.00	89
				1,2,3,4,7,8-HxCDD-13C	2.00	93
1,2,3,7,8-PeCDD	1.00	0.99	99	1,2,3,6,7,8-HxCDD-13C	2.00	83
				1,2,3,4,6,7,8-HpCDF-13C	2.00	82
				1,2,3,4,7,8,9-HpCDF-13C	2.00	84
1,2,3,4,7,8-HxCDF	1.00	1.00	100	1,2,3,4,6,7,8-HpCDD-13C	2.00	89
1,2,3,6,7,8-HxCDF	1.00	1.01	101	OCDD-13C	4.00	96 *
2,3,4,6,7,8-HxCDF	1.00	0.95	95			
1,2,3,7,8,9-HxCDF	1.00	0.99	99	1,2,3,4-TCDD-13C	2.00	NA
				1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	1.00	1.01	101	2,3,7,8-TCDD-37Cl4	0.20	67
1,2,3,6,7,8-HxCDD	1.00	1.01	101			
1,2,3,7,8,9-HxCDD	1.00	0.96	96			
1,2,3,4,6,7,8-HpCDF	1.00	1.03	103			
1,2,3,4,7,8,9-HpCDF	1.00	1.01	101			
1,2,3,4,6,7,8-HpCDD	1.00	0.97	97			
OCDF	2.00	1.94	97			
OCDD	2.00	2.00	100			

Qs = Quantity Spiked
Qm = Quantity Measured
Rec. = Recovery (Expressed as Percent)
P = Recovery outside of target range
X = Background subtracted value
Nn = Value obtained from additional analysis
NA = Not Applicable
* = See Discussion

Report No.....01-1046585

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612- 607-6444

Pace Analytical™

Method 8290 Spike Sample Results

Client - BAYWEST

Client's Sample ID	GP-22-2.0-MS		
Lab Sample ID	102853082-MS		
Filename	V10726D	Matrix	SOIL
Total Amount Extracted	12.31 g	Dilution	100
ICAL Date	07/23/2001	Extracted	07/18/2001
CCal Filename(s)	V10726A & V10726L	Analyzed	07/26/2001 08:33
Method Blank ID	BLANK-1161	Injected By	MCH

Native Isomers	Qs (ng)	Qm (ng)	% Rec.	Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	0.20	0.34	169	2,3,7,8-TCDF-13C	2.00	68
				2,3,7,8-TCDD-13C	2.00	81
				1,2,3,7,8-PeCDF-13C	2.00	62
2,3,7,8-TCDD	0.20	0.51	255	2,3,4,7,8-PeCDF-13C	2.00	65
				1,2,3,7,8-PeCDD-13C	2.00	64
				1,2,3,4,7,8-HxCDF-13C	2.00	80
1,2,3,7,8-PeCDF	1.00	1.16	116	1,2,3,6,7,8-HxCDF-13C	2.00	73
2,3,4,7,8-PeCDF	1.00	1.34	134	2,3,4,6,7,8-HxCDF-13C	2.00	77
				1,2,3,7,8,9-HxCDF-13C	2.00	75
				1,2,3,4,7,8-HxCDD-13C	2.00	78
1,2,3,7,8-PeCDD	1.00	1.56	156	1,2,3,6,7,8-HxCDD-13C	2.00	75
				1,2,3,4,6,7,8-HpCDF-13C	2.00	76
				1,2,3,4,7,8,9-HpCDF-13C	2.00	77
1,2,3,4,7,8-HxCDF	1.00	1.96	196	1,2,3,4,6,7,8-HpCDD-13C	2.00	84
1,2,3,6,7,8-HxCDF	1.00	3.21	321 E	OCDD-13C	4.00	85
2,3,4,6,7,8-HxCDF	1.00	1.55	155			
1,2,3,7,8,9-HxCDF	1.00	1.09	109	1,2,3,4-TCDD-13C	2.00	NA
				1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	1.00	1.46	146	2,3,7,8-TCDD-37Cl4	0.20	89
1,2,3,6,7,8-HxCDD	1.00	4.54	454			
1,2,3,7,8,9-HxCDD	1.00	2.03	203			
1,2,3,4,6,7,8-HpCDF	1.00	23.54	2354			
1,2,3,4,7,8,9-HpCDF	1.00	1.64	164			
1,2,3,4,6,7,8-HpCDD	1.00	85.15	8515			
OCDF	2.00	31.08	1554			
OCDD	2.00	1162.73	58136			

Qs = Quantity Spiked
Qm = Quantity Measured
Rec. = Recovery (Expressed as Percent)
P = Recovery outside of target range of 40-135%
X = Background subtracted value
E = PCDE Interference
Nn = Value obtained from additional analysis
NA = Not Applicable
* = See Discussion

Report No.....01-1046585

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612- 607-6444

Method 8290 Spike Sample Results

Client - BAYWEST

Client's Sample ID	GP-22-2.0-MSD		
Lab Sample ID	102853082-MSD		
Filename	V10726E	Matrix	SOIL
Total Amount Extracted	12.25 g	Dilution	50
ICAL Date	07/23/2001	Extracted	07/18/2001
CCal Filename(s)	V10726A & V10726L	Analyzed	07/26/2001 DUP.
Method Blank ID	BLANK-1161	Injected By	09:49

Native Isomers	Qs (ng)	Qm (ng)	% Rec.	Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	0.20	1.26	630	2,3,7,8-TCDF-13C	2.00	58
				2,3,7,8-TCDD-13C	2.00	62
				1,2,3,7,8-PeCDF-13C	2.00	51
2,3,7,8-TCDD	0.20	2.19	1094	2,3,4,7,8-PeCDF-13C	2.00	50
				1,2,3,7,8-PeCDD-13C	2.00	54
				1,2,3,4,7,8-HxCDF-13C	2.00	80
1,2,3,7,8-PeCDF	1.00	2.83	283	1,2,3,6,7,8-HxCDF-13C	2.00	68
2,3,4,7,8-PeCDF	1.00	4.50	450	2,3,4,6,7,8-HxCDF-13C	2.00	75
				1,2,3,7,8,9-HxCDF-13C	2.00	67
				1,2,3,4,7,8-HxCDD-13C	2.00	75
1,2,3,7,8-PeCDD	1.00	4.53	453	1,2,3,6,7,8-HxCDD-13C	2.00	70
				1,2,3,4,6,7,8-HpCDF-13C	2.00	73
				1,2,3,4,7,8,9-HpCDF-13C	2.00	68
1,2,3,4,7,8-HxCDF	1.00	6.71	671	1,2,3,4,6,7,8-HpCDD-13C	2.00	80
1,2,3,6,7,8-HxCDF	1.00	7.17	717 E	OCDD-13C	4.00	100
2,3,4,6,7,8-HxCDF	1.00	5.10	510			
1,2,3,7,8,9-HxCDF	1.00	1.96	196	1,2,3,4-TCDD-13C	2.00	NA
				1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	1.00	4.02	402	2,3,7,8-TCDD-37Cl4	0.20	77
1,2,3,6,7,8-HxCDD	1.00	25.81	2581			
1,2,3,7,8,9-HxCDD	1.00	9.32	932			
1,2,3,4,6,7,8-HpCDF	1.00	92.02	9202			
1,2,3,4,7,8,9-HpCDF	1.00	5.54	554			
1,2,3,4,6,7,8-HpCDD	1.00	547.65	54765			
OCDF	2.00	123.98	6199			
OCDD	2.00	4179.03	208951 S			

Qs = Quantity Spiked
Qm = Quantity Measured
Rec. = Recovery (Expressed as Percent)
P = Recovery outside of target range of 40-135%
X = Background subtracted value
E = PCDE Interference
Nn = Value obtained from additional analysis
NA = Not Applicable
* = See Discussion

Report No.....01-1046585

REPORT OF LABORATORY ANALYSIS

Pace Analytical™
www.pacelabs.com

Pace Analytical Services, Inc.
1700 Elm Street, Suite 200
Minneapolis, MN 55414
Phone: 612.607.1700
Fax: 612.607.6444

MS/MSD RECOVERY RELATIVE PERCENT DIFFERENCE (RPD) RESULTS

Client..... BAYWEST

MS ID..... GP-22-2.0-MS
MS Filename..... V10726D
MSD ID..... GP-22-2.0-MSD
MSD Filename..... V10726E

COMPOUND	MS REC,%	MSD REC,%	RPD,%
2378-TCDF	169	630	115.4
2378-TCDD	255	1094	124.4
12378-PeCDF	116	283	83.7
23478-PeCDF	134	450	108.2
12378-PeCDD	156	453	97.5
123478-HxCDF	196	671	109.6
123678-HxCDF	321	717	76.3
234678-HxCDF	155	510	106.8
123789-HxCDF	109	196	57.0
123478-HxCDD	146	402	93.4
123678-HxCDD	454	2581	140.2
123789-HxCDD	203	932	128.5
1234678-HpCDF	2354	9202	118.5
1234789-HpCDF	164	554	108.6
1234678-HpCDD	8515	54765	146.2
OCDF	1554	6199	119.8
OCDD	58136	208951	112.9

REC = Percent Recovered
RPD = The difference between the two values divided by the average.
NA = Not Applicable
MS = Matrix Spike
MSD = Matrix Spike Duplicate

Report No..... 01-1046585

REPORT OF LABORATORY ANALYSIS

KAR *Laboratories, Inc.*

J990088 - IVE Logger Archived

4425 Manchester Road
Kalamazoo, MI 49001
Phone 616 381-9666
Fax 616 381-9698
www.karlabs.com

Strebor, Inc.
2305 Superior Avenue
Kalamazoo, MI 49001

Attn : ***Mr. Mike McClish***

KAR Project No. :	***021312***
Date Reported :	***03/29/02***
Date Activated :	***03/15/02***
Date Due :	***03/29/02***
Date Validated :	***03/28/02***

Project Description : ***Analysis of two soil samples.***

Dear Client,

Your laboratory data is presented to you in this report. Unless otherwise stated under the "Comments" heading, all tests were performed within the maximum allowable holding times, have met or exceeded QC requirements and the result represents the sample as it was received.

If you wish to contact us about this work please mention KAR Project No. 021312. To arrange additional sampling or testing please contact our Client Services Department. If you have a question regarding quality assurance please contact William Rauch.

Thank you for the opportunity to serve you. Please do not hesitate to call if we can provide additional assistance.

Respectfully submitted,

Michael J. Jaeger

Michael J. Jaeger
Director of Laboratories

POSITIVE RESULTS SUMMARY REPORT

Client: *Strebor, Inc.*

KAR Project No.: *021312*

Date Reported: *3/29/02*

Project Description: *Analysis of two soil samples.*

Sample Description: ***TCLP Leachate of GP-29(2)-3.0***

Test	Positive Result Concentration	Units
Pentachlorophenol	10	ug/L

This Positive Results Summary Report provides an overview of the sample set and CONTAINS ONLY RESULTS ABOVE THE REPORTING LIMIT. It should not be used as a substitute for the attached detail report.

LABORATORY DETAIL REPORT

KAR Project No. : *021312*

Client: *Strebor, Inc.*

Date Reported : *03/29/02*

Project Desc. : *Analysis of two soil samples.*

Sample ID : *"GP-28(2)-3.5"*
Sampled By : *MMC of Strebor, Inc.*
Sample Date : *3/15/02*
Sample Time : *0915*
Date Received : *3/15/02*
Sample Type : *soil*
KAR Sample No. : *021312-01*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
TCLP extraction	Completed		EPA 1311	03/21/02	KLT	

Sample ID : *TCLP Leachate of GP-28(2)-3.5*
Sampled By :
Sample Date :
Sample Time :
Date Received : *3/15/02*
Sample Type : *TCLP*
KAR Sample No. : *021312-01T*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Prep, SV Acid	Completed		EPA 3510	03/25/02	MJY	
Pentachlorophenol	<5	ug/L	EPA 8270	03/27/02	KTL	

Sample ID : *"GP-29(2)-3.0"*
Sampled By : *MMC of Strebor, Inc.*
Sample Date : *3/15/02*
Sample Time : *0940*
Date Received : *3/15/02*
Sample Type : *soil*
KAR Sample No. : *021312-02*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
TCLP extraction	Completed		EPA 1311	03/21/02	KLT	

Sample ID : *TCLP Leachate of GP-29(2)-3.0*
Sampled By :
Sample Date :
Sample Time :
Date Received : *3/15/02*
Sample Type : *TCLP*
KAR Sample No. : *021312-02T*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Prep, SV Acid	Completed		EPA 3510	03/25/02	MJY	
Pentachlorophenol	10	ug/L	EPA 8270	03/27/02	KTL	

KAR *Laboratories, Inc. (616-381-9666)* **www.karlabs.com** (Client please complete shaded areas)

Client:

Strebor, Inc.
2305 Superior Avenue
Kalamazoo, MI 49001

Attn: Michael McClish

Phone: (616) 381-1100 *Fax:* (616) 381-2207

Project Name:

Project #

P.O. #

Sampled by: ☐ KAR ☒ Client *Initials* MMC

Turnaround Time:
☒ 10-business days ☐ Emergency (quote)
☐ 5-business days (x 1.5)
☐ 3-business days (x 2.0) ☐ Monthly

Waste characterization: Yes (No)
Part 201: (Yes) No
Part 213: Yes (No)

Requested Analyses

#	Sample Identification	Sample Info: Date	Time	Matrix	Sample Containers: Type	Size	#	TCLP - PenTachloropheno
	GP-28(2) - 3.5	3-15-02	09:15	Soil	Glass	145mL	1	X
	GP-29(2) - 3.0	3-15-02	09:40	Soil	Glass	145mL	1	X

KAR use only
Proj#: 021312
Login: qm
Date: 3/15/02

c-of-c	(Y)	N
labels	(Y)	N
LODs	Y	(N)
contain	(Y)	N
headspace	Y	N
amount	(Y)	N
hold time	(Y)	N
rush cost	Y	(N)
preservation	(Y)	N
intact	(Y)	N

Remarks

Relinquished By: [signature] *Received By:* [signature] *Date/Time:* 1026 3/15/02 *Notes:*

Relinquished By: *Received By:* *Date/Time:*

KAR *Laboratories, Inc.*

4425 Manchester Road
Kalamazoo, MI 49001
Phone 616 381-9666
Fax 616 381-9698
www.karlabs.com

Strebor, Inc.
2305 Superior Avenue
Kalamazoo, MI 49001

Attn : ***Mr. Mike McClish***

KAR Project No. : ***021009***
Date Reported : ***03/13/02***
Date Activated : ***02/28/02***
Date Due : ***03/14/02***
Date Validated : ***03/12/02***

Project Description : ***Analysis of two soil samples.***

Dear Client,

Your laboratory data is presented to you in this report. Unless otherwise stated under the "Comments" heading, all tests were performed within the maximum allowable holding times, have met or exceeded QC requirements and the result represents the sample as it was received.

If you wish to contact us about this work please mention KAR Project No. 021009. To arrange additional sampling or testing please contact our Client Services Department. If you have a question regarding quality assurance please contact William Rauch.

Thank you for the opportunity to serve you. Please do not hesitate to call if we can provide additional assistance.

Respectfully submitted,

Michael J. Jaeger
Director of Laboratories

POSITIVE RESULTS SUMMARY REPORT

Client: *Strebor, Inc.*

KAR Project No.: *021009*

Date Reported: *3/13/02*

Project Description: *Analysis of two soil samples.*

Sample Description: ***ZHE Leachate of GP-28-3.5***

Test	Positive Result Concentration	Units
1,2,4-Trimethylbenzene	0.93	mg/L
1,3,5-Trimethylbenzene	0.29	mg/L
2-Methylnaphthalene by 8260	0.87	mg/L
M-and/or p-xylene	0.10	mg/L
N-Propylbenzene	0.10	mg/L
Naphthalene	0.34	mg/L

Sample Description: ***ZHE Leachate of GP-29-3.0***

Test	Positive Result Concentration	Units
1,2,4-Trimethylbenzene	1.2	mg/L
1,3,5-Trimethylbenzene	0.39	mg/L
Naphthalene	0.13	mg/L

This Positive Results Summary Report provides an overview of the sample set and CONTAINS ONLY RESULTS ABOVE THE REPORTING LIMIT. It should not be used as a substitute for the attached detail report.

LABORATORY DETAIL REPORT

Client: *Strebor, Inc.*

KAR Project No. : *021009*

Date Reported : *03/13/02*

Project Desc. : *Analysis of two soil samples.*

Sample ID : *"GP-28-3.5"*

Sampled By : *MMC of Strebor, Inc.*

Sample Date : *2/18/02*

Sample Time : *10:30am*

Date Received : *2/28/02*

Sample Type : *soil*

KAR Sample No. : *021009-01*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
TCLP extraction	Completed		EPA 1311	03/04/02	KLT	
TCLP report	See comment			03/12/02	DRA	This material does not exhibit the Toxicity Characteristic with respect to the requested TC parameters.
ZHE extraction	Completed		EPA 1311	03/04/02	KLT	

LABORATORY DETAIL REPORT

Client: *Strebor, Inc.*

KAR Project No. : *021009*

Date Reported : *03/13/02*

Project Desc. : *Analysis of two soil samples.*

Sample ID : ***TCLP Leachate of GP-28-3.5***

Sampled By :

Sample Date :

Sample Time :

Date Received : *2/28/02*

Sample Type : *TCLP*

KAR Sample No. : *021009-01T*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Prep, SV Acid	*Completed*		*EPA 3510*	*03/06/02*	*SAS*	
Pentachlorophenol	*<0.1*	*mg/L*	*EPA 8270*	*03/08/02*	*KTL*	*TC regulatory limit is 100 mg/L.*

LABORATORY DETAIL REPORT

Client: *Strebor, Inc.*

KAR Project No. : *021009*

Date Reported : *03/13/02*

Project Desc. : *Analysis of two soil samples.*

Sample ID : ***ZHE Leachate of GP-28-3.5***

Sampled By :

Sample Date :

Sample Time :

Date Received : *2/28/02*

Sample Type : *ZHE*

KAR Sample No. : *021009-01Z*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
EPA 8260 Plus	See below		EPA 8260	03/06/02	DLB	
Prep, VOA	Completed		EPA 5030	03/06/02	DLB	
1,1,1,2-Tetrachloroethane	<0.1	mg/L	EPA 8260	03/06/02	DLB	
1,1,1-Trichloroethane	<0.1	mg/L	EPA 8260	03/06/02	DLB	
1,1,2,2-Tetrachloroethane	<0.1	mg/L	EPA 8260	03/06/02	DLB	
1,1,2-Trichloroethane	<0.1	mg/L	EPA 8260	03/06/02	DLB	
1,1-Dichloroethane	<0.1	mg/L	EPA 8260	03/06/02	DLB	
1,1-Dichloroethene	<0.1	mg/L	EPA 8260	03/06/02	DLB	TC regulatory limit is 0.7 mg/L.
1,2,3-Trichloropropane	<0.1	mg/L	EPA 8260	03/06/02	DLB	
1,2,4-Trichlorobenzene	<0.1	mg/L	EPA 8260	03/06/02	DLB	
1,2,4-Trimethylbenzene	0.93	mg/L	EPA 8260	03/06/02	DLB	
1,2-Dibromo-3-chloropropane	<0.1	mg/L	EPA 8260	03/06/02	DLB	
1,2-Dichlorobenzene	<0.1	mg/L	EPA 8260	03/06/02	DLB	
1,2-Dichloroethane	<0.1	mg/L	EPA 8260	03/06/02	DLB	TC regulatory limit is 0.5 mg/L.
1,2-Dichloropropane	<0.1	mg/L	EPA 8260	03/06/02	DLB	
1,3,5-Trimethylbenzene	0.29	mg/L	EPA 8260	03/06/02	DLB	
1,3-Dichlorobenzene	<0.1	mg/L	EPA 8260	03/06/02	DLB	
1,4-Dichlorobenzene	<0.1	mg/L	EPA 8260	03/06/02	DLB	TC regulatory limit is 7.5 mg/L.
2-Butanone	<2	mg/L	EPA 8260	03/06/02	DLB	TC regulatory limit is 200 mg/L.
2-Hexanone	<5	mg/L	EPA 8260	03/06/02	DLB	
2-Methylnaphthalene by 8260	0.87	mg/L	EPA 8260	03/06/02	DLB	
4-Methyl-2-pentanone	<2	mg/L	EPA 8260	03/06/02	DLB	
Acetone	<5	mg/L	EPA 8260	03/06/02	DLB	
Acrylonitrile	<0.1	mg/L	EPA 8260	03/06/02	DLB	
Benzene	<0.1	mg/L	EPA 8260	03/06/02	DLB	TC regulatory limit is 0.5 mg/L.
Bromochloromethane	<0.1	mg/L	EPA 8260	03/06/02	DLB	
Bromodichloromethane	<0.1	mg/L	EPA 8260	03/06/02	DLB	
Bromoform	<0.1	mg/L	EPA 8260	03/06/02	DLB	
Bromomethane	<0.1	mg/L	EPA 8260	03/06/02	DLB	
Carbon disulfide	<0.5	mg/L	EPA 8260	03/06/02	DLB	
Carbon tetrachloride	<0.1	mg/L	EPA 8260	03/06/02	DLB	TC regulatory limit is 0.5 mg/L.
Chlorobenzene	<0.1	mg/L	EPA 8260	03/06/02	DLB	TC regulatory limit is 100 mg/L.
Chloroethane	<0.1	mg/L	EPA 8260	03/06/02	DLB	
Chloroform	<0.1	mg/L	EPA 8260	03/06/02	DLB	TC regulatory limit is 6.0 mg/L.
Chloromethane	<0.1	mg/L	EPA 8260	03/06/02	DLB	
Cis-1,2-Dichloroethene	<0.1	mg/L	EPA 8260	03/06/02	DLB	
Cis-1,3-Dichloropropene	<0.1	mg/L	EPA 8260	03/06/02	DLB	

LABORATORY DETAIL REPORT

Client: *Strebor, Inc.*

KAR Project No. : *021009*

Date Reported : *03/13/02*

Project Desc. : *Analysis of two soil samples.*

Sample ID : ***ZHE Leachate of GP-28-3.5***

Sampled By :
Sample Date :
Sample Time :

Date Received : *2/28/02*
Sample Type : *ZHE*
KAR Sample No. : *021009-01Z*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Dibromochloromethane	<0.1	mg/L	EPA 8260	03/06/02	DLB	
Dibromomethane	<0.1	mg/L	EPA 8260	03/06/02	DLB	
Dichlorodifluoromethane	<0.1	mg/L	EPA 8260	03/06/02	DLB	
Diethyl ether	<1	mg/L	EPA 8260	03/06/02	DLB	
Ethylbenzene	<0.1	mg/L	EPA 8260	03/06/02	DLB	
Ethylene dibromide	<0.1	mg/L	EPA 8260	03/06/02	DLB	
Hexachloroethane by 8260	<0.1	mg/L	EPA 8260	03/06/02	DLB	
Isopropylbenzene	<0.1	mg/L	EPA 8260	03/06/02	DLB	
M-and/or p-xylene	0.10	mg/L	EPA 8260	03/06/02	DLB	
Methyl iodide	<0.1	mg/L	EPA 8260	03/06/02	DLB	
Methyl t-butyl ether (MTBE)	<0.5	mg/L	EPA 8260	03/06/02	DLB	
Methylene chloride	<0.1	mg/L	EPA 8260	03/06/02	DLB	
N-Propylbenzene	0.10	mg/L	EPA 8260	03/06/02	DLB	
Naphthalene	0.34	mg/L	EPA 8260	03/06/02	DLB	
O-Xylene	<0.1	mg/L	EPA 8260	03/06/02	DLB	
Styrene	<0.1	mg/L	EPA 8260	03/06/02	DLB	
Tetrachloroethene	<0.1	mg/L	EPA 8260	03/06/02	DLB	TC regulatory limit is 0.7 mg/L.
Toluene	<0.1	mg/L	EPA 8260	03/06/02	DLB	
Trans-1,2-Dichloroethene	<0.1	mg/L	EPA 8260	03/06/02	DLB	
Trans-1,3-Dichloropropene	<0.1	mg/L	EPA 8260	03/06/02	DLB	
Trans-1,4-Dichloro-2-butene	<0.1	mg/L	EPA 8260	03/06/02	DLB	
Trichloroethene	<0.1	mg/L	EPA 8260	03/06/02	DLB	TC regulatory limit is 0.5 mg/L.
Trichlorofluoromethane	<0.1	mg/L	EPA 8260	03/06/02	DLB	
Vinyl chloride	<0.1	mg/L	EPA 8260	03/06/02	DLB	TC regulatory limit is 0.2 mg/L.

LABORATORY DETAIL REPORT

Client: *Strebor, Inc.*

KAR Project No. : *021009*

Date Reported : *03/13/02*

Project Desc. : *Analysis of two soil samples.*

Sample ID : *"GP-29-3.0"*

Sampled By : *MMC of Strebor, Inc.*

Sample Date : *2/18/02*

Sample Time : *11:05am*

Date Received : *2/28/02*

Sample Type : *soil*

KAR Sample No. : *021009-02*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
TCLP extraction	Completed		EPA 1311	03/04/02	KLT	
TCLP report	See comment			03/12/02	DRA	This material does not exhibit the Toxicity Characteristic with respect to the requested TC parameters.
ZHE extraction	Completed		EPA 1311	03/04/02	KLT	

LABORATORY DETAIL REPORT

Client: *Strebor, Inc.*

KAR Project No. : *021009*

Date Reported : *03/13/02*

Project Desc. : *Analysis of two soil samples.*

Sample ID : ***TCLP Leachate of GP-29-3.0***

Sampled By :

Sample Date :

Sample Time :

Date Received : *2/28/02*

Sample Type : *TCLP*

KAR Sample No. : *021009-02T*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Prep, SV Acid	*Completed*		*EPA 3510*	*03/06/02*	*SAS*	
Pentachlorophenol	*<0.1*	*mg/L*	*EPA 8270*	*03/08/02*	*KTL*	*TC regulatory limit is 100 mg/L.*

LABORATORY DETAIL REPORT

Client: *Strebor, Inc.*

KAR Project No. : *021009*

Date Reported : *03/13/02*

Project Desc. : *Analysis of two soil samples.*

Sample ID : ***ZHE Leachate of GP-29-3.0***

Sampled By :
Sample Date :
Sample Time :

Date Received : *2/28/02*
Sample Type : *ZHE*
KAR Sample No. : *021009-02Z*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
EPA 8260 Plus	See below		EPA 8260	03/06/02	DLB	
Prep, VOA	Completed		EPA 5030	03/06/02	DLB	
1,1,1,2-Tetrachloroethane	<0.1	mg/L	EPA 8260	03/06/02	DLB	
1,1,1-Trichloroethane	<0.1	mg/L	EPA 8260	03/06/02	DLB	
1,1,2,2-Tetrachloroethane	<0.1	mg/L	EPA 8260	03/06/02	DLB	
1,1,2-Trichloroethane	<0.1	mg/L	EPA 8260	03/06/02	DLB	
1,1-Dichloroethane	<0.1	mg/L	EPA 8260	03/06/02	DLB	
1,1-Dichloroethene	<0.1	mg/L	EPA 8260	03/06/02	DLB	TC regulatory limit is 0.7 mg/L.
1,2,3-Trichloropropane	<0.1	mg/L	EPA 8260	03/06/02	DLB	
1,2,4-Trichlorobenzene	<0.1	mg/L	EPA 8260	03/06/02	DLB	
1,2,4-Trimethylbenzene	1.2	mg/L	EPA 8260	03/06/02	DLB	
1,2-Dibromo-3-chloropropane	<0.1	mg/L	EPA 8260	03/06/02	DLB	
1,2-Dichlorobenzene	<0.1	mg/L	EPA 8260	03/06/02	DLB	
1,2-Dichloroethane	<0.1	mg/L	EPA 8260	03/06/02	DLB	TC regulatory limit is 0.5 mg/L.
1,2-Dichloropropane	<0.1	mg/L	EPA 8260	03/06/02	DLB	
1,3,5-Trimethylbenzene	0.39	mg/L	EPA 8260	03/06/02	DLB	
1,3-Dichlorobenzene	<0.1	mg/L	EPA 8260	03/06/02	DLB	
1,4-Dichlorobenzene	<0.1	mg/L	EPA 8260	03/06/02	DLB	TC regulatory limit is 7.5 mg/L.
2-Butanone	<2	mg/L	EPA 8260	03/06/02	DLB	TC regulatory limit is 200 mg/L.
2-Hexanone	<5	mg/L	EPA 8260	03/06/02	DLB	
2-Methylnaphthalene by 8260	<0.5	mg/L	EPA 8260	03/06/02	DLB	
4-Methyl-2-pentanone	<2	mg/L	EPA 8260	03/06/02	DLB	
Acetone	<5	mg/L	EPA 8260	03/06/02	DLB	
Acrylonitrile	<0.1	mg/L	EPA 8260	03/06/02	DLB	
Benzene	<0.1	mg/L	EPA 8260	03/06/02	DLB	TC regulatory limit is 0.5 mg/L.
Bromochloromethane	<0.1	mg/L	EPA 8260	03/06/02	DLB	
Bromodichloromethane	<0.1	mg/L	EPA 8260	03/06/02	DLB	
Bromoform	<0.1	mg/L	EPA 8260	03/06/02	DLB	
Bromomethane	<0.1	mg/L	EPA 8260	03/06/02	DLB	
Carbon disulfide	<0.5	mg/L	EPA 8260	03/06/02	DLB	
Carbon tetrachloride	<0.1	mg/L	EPA 8260	03/06/02	DLB	TC regulatory limit is 0.5 mg/L.
Chlorobenzene	<0.1	mg/L	EPA 8260	03/06/02	DLB	TC regulatory limit is 100 mg/L.
Chloroethane	<0.1	mg/L	EPA 8260	03/06/02	DLB	
Chloroform	<0.1	mg/L	EPA 8260	03/06/02	DLB	TC regulatory limit is 6.0 mg/L.
Chloromethane	<0.1	mg/L	EPA 8260	03/06/02	DLB	
Cis-1,2-Dichloroethene	<0.1	mg/L	EPA 8260	03/06/02	DLB	
Cis-1,3-Dichloropropene	<0.1	mg/L	EPA 8260	03/06/02	DLB	

LABORATORY DETAIL REPORT

Client: *Strebor, Inc.*

KAR Project No. : *021009*

Date Reported : *03/13/02*

Project Desc. : *Analysis of two soil samples.*

Sample ID : ***ZHE Leachate of GP-29-3.0***

Sampled By :
Sample Date :
Sample Time :

Date Received : *2/28/02*
Sample Type : *ZHE*
KAR Sample No. : *021009-02Z*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Dibromochloromethane	<0.1	mg/L	EPA 8260	03/06/02	DLB	
Dibromomethane	<0.1	mg/L	EPA 8260	03/06/02	DLB	
Dichlorodifluoromethane	<0.1	mg/L	EPA 8260	03/06/02	DLB	
Diethyl ether	<1	mg/L	EPA 8260	03/06/02	DLB	
Ethylbenzene	<0.1	mg/L	EPA 8260	03/06/02	DLB	
Ethylene dibromide	<0.1	mg/L	EPA 8260	03/06/02	DLB	
Hexachloroethane by 8260	<0.1	mg/L	EPA 8260	03/06/02	DLB	
Isopropylbenzene	<0.1	mg/L	EPA 8260	03/06/02	DLB	
M-and/or p-xylene	<0.1	mg/L	EPA 8260	03/06/02	DLB	
Methyl iodide	<0.1	mg/L	EPA 8260	03/06/02	DLB	
Methyl t-butyl ether (MTBE)	<0.5	mg/L	EPA 8260	03/06/02	DLB	
Methylene chloride	<0.1	mg/L	EPA 8260	03/06/02	DLB	
N-Propylbenzene	<0.1	mg/L	EPA 8260	03/06/02	DLB	
Naphthalene	0.13	mg/L	EPA 8260	03/06/02	DLB	
O-Xylene	<0.1	mg/L	EPA 8260	03/06/02	DLB	
Styrene	<0.1	mg/L	EPA 8260	03/06/02	DLB	
Tetrachloroethene	<0.1	mg/L	EPA 8260	03/06/02	DLB	TC regulatory limit is 0.7 mg/L.
Toluene	<0.1	mg/L	EPA 8260	03/06/02	DLB	
Trans-1,2-Dichloroethene	<0.1	mg/L	EPA 8260	03/06/02	DLB	
Trans-1,3-Dichloropropene	<0.1	mg/L	EPA 8260	03/06/02	DLB	
Trans-1,4-Dichloro-2-butene	<0.1	mg/L	EPA 8260	03/06/02	DLB	
Trichloroethene	<0.1	mg/L	EPA 8260	03/06/02	DLB	TC regulatory limit is 0.5 mg/L.
Trichlorofluoromethane	<0.1	mg/L	EPA 8260	03/06/02	DLB	
Vinyl chloride	<0.1	mg/L	EPA 8260	03/06/02	DLB	TC regulatory limit is 0.2 mg/L.

KAR *Laboratories, Inc. (616-381-9666)* **www.karlabs.com** (Client please complete shaded areas)

Client:

Strebor, Inc.
2305 Superior Avenue
Kalamazoo, MI 49001

Attn: Michael McClish

Phone: (616) 381-1100 Fax: (616) 381-2207

Project Name:

Project #

P.O. # 06222

Sampled by: ☐ KAR ☒ Client Initials MMC

Turnaround Time:
☒ 10-business days ☐ Emergency (quote)
☐ 5-business days (x 1.5)
☐ 3-business days (x 2.0) ☐ Monthly

Waste characterization: Yes (No)
Part 201: (Yes) No
Part 213: Yes (No)

Requested Analyses: TCLP Extraction; Analyze Extract for: PenTach lorophenol; VOC's - 8260 plus

KAR use only
Proj#: 021019
Login: MES
Date: 2/28/02
c-of-c (Y) N
labels (Y) N
LODs Y (N)
contain (Y) N
headspace ~~Y~~ ~~N~~
amount (Y) N
hold time Y (N)
rush cost Y (N)
preservation ~~Y~~ ~~N~~
intact (Y) N

#	Sample Identification	Sample Info: Date	Time	Matrix	Sample Containers: Type	Size	#	TCLP Extraction	Analyze Extract for: PenTach lorophenol	VOC's - 8260 plus	Remarks
	GP-28-3.5	2-18-02	10:30	Soil	Glass	145 ml	1	X	X	X	
	GP-29-3.0	2-18-02	11:05	Soil	Glass	145 ml	1	X	X	X	

Relinquished By: [signature] Received By: Hope Stanley Date/Time: 2/28/02 @ 1:08 pm Notes:

Relinquished By: Received By: Date/Time:

KAR *Laboratories, Inc.*

4425 Manchester Road
Kalamazoo, MI 49001
Phone 616 381-9666
Fax 616 381-9698
www.karlabs.com

Strebor, Inc.
2305 Superior Avenue
Kalamazoo, MI 49001

Attn : ***Mr. Mike McClish***

KAR Project No. : ***020830***
Date Reported : ***03/04/02***
Date Activated : ***02/18/02***
Date Due : ***03/04/02***
Date Validated : ***03/04/02***

Project Description : ***Analysis of six soil samples.***

Dear Client,

Your laboratory data is presented to you in this report. Unless otherwise stated under the "Comments" heading, all tests were performed within the maximum allowable holding times, have met or exceeded QC requirements and the result represents the sample as it was received.

If you wish to contact us about this work please mention KAR Project No. 020830. To arrange additional sampling or testing please contact our Client Services Department. If you have a question regarding quality assurance please contact William Rauch.

Thank you for the opportunity to serve you. Please do not hesitate to call if we can provide additional assistance.

Respectfully submitted,

Michael J. Jaeger
Director of Laboratories

POSITIVE RESULTS SUMMARY REPORT

Client: *Strebor, Inc.*

KAR Project No.: *020830*

Date Reported: *3/4/02*

Project Description: *Analysis of six soil samples.*

Sample Description: ***"GP-28-3.5"***

Test	Positive Result Concentration	Units
1,2,4-Trimethylbenzene	90,000	ug/kg dry sample
1,3,5-Trimethylbenzene	31,000	ug/kg dry sample
2-Methylnaphthalene by 8260	7500	ug/kg dry sample
Arsenic, total, low level	5.8	mg/kg dry sample
Barium, total, low level	207	mg/kg dry sample
Bis(2-ethylhexyl)phthalate	14,000	ug/kg dry sample
Cadmium, total, low level	0.25	mg/kg dry sample
Chromium, total, low level	9.5	mg/kg dry sample
Ethylbenzene	1900	ug/kg dry sample
Isopropylbenzene	4500	ug/kg dry sample
Lead, total	38	mg/kg dry sample
M-and/or p-xylene	8400	ug/kg dry sample
Mercury, total, low level	0.52	mg/kg dry sample
N-Propylbenzene	15,000	ug/kg dry sample
Naphthalene by Method 8270	2800	ug/kg dry sample
O-Xylene	2400	ug/kg dry sample
Pentachlorophenol	1600	ug/kg dry sample
Phenanthrene	380	ug/kg dry sample

Sample Description: ***"GP-29-3.0"***

Test	Positive Result Concentration	Units
1,2,4-Trimethylbenzene	150,000	ug/kg dry sample
1,3,5-Trimethylbenzene	41,000	ug/kg dry sample
2-Methylnaphthalene by 8260	7600	ug/kg dry sample
Arsenic, total, low level	9.5	mg/kg dry sample
Barium, total, low level	113	mg/kg dry sample
Benzo(a)anthracene	350	ug/kg dry sample
Benzo(b)fluoranthene	550	ug/kg dry sample
Bis(2-ethylhexyl)phthalate	5800	ug/kg dry sample
Cadmium, total, low level	0.14	mg/kg dry sample
Chromium, total, low level	9.5	mg/kg dry sample
Ethylbenzene	1900	ug/kg dry sample
Fluoranthene	460	ug/kg dry sample
Fluorene	410	ug/kg dry sample
Isopropylbenzene	6200	ug/kg dry sample
Lead, total	18	mg/kg dry sample
M-and/or p-xylene	9300	ug/kg dry sample
Mercury, total, low level	0.75	mg/kg dry sample
N-Propylbenzene	19,000	ug/kg dry sample
Naphthalene by Method 8270	4800	ug/kg dry sample
O-Xylene	11,000	ug/kg dry sample

This Positive Results Summary Report provides an overview of the sample set and CONTAINS ONLY RESULTS ABOVE THE REPORTING LIMIT. It should not be used as a substitute for the attached detail report.

POSITIVE RESULTS SUMMARY REPORT

Client: *Strebor, Inc.*

KAR Project No.: *020830*

Date Reported: *3/4/02*

Project Description: *Analysis of six soil samples.*

Sample Description: ***"GP-29-3.0"***

Test	Positive Result Concentration	Units
Pentachlorophenol	23,000	ug/kg dry sample
Phenanthrene	750	ug/kg dry sample
Pyrene	860	ug/kg dry sample

Sample Description: ***"GP-30-2.5"***

Test	Positive Result Concentration	Units
Arsenic, total, low level	2.2	mg/kg dry sample
Barium, total, low level	87	mg/kg dry sample
Bis(2-ethylhexyl)phthalate	1300	ug/kg dry sample
Cadmium, total, low level	0.06	mg/kg dry sample
Chromium, total, low level	9.6	mg/kg dry sample
Lead, total	7	mg/kg dry sample

Sample Description: ***"GP-31-2.5"***

Test	Positive Result Concentration	Units
Arsenic, total, low level	5.4	mg/kg dry sample
Barium, total, low level	53	mg/kg dry sample
Chromium, total, low level	9.9	mg/kg dry sample
Lead, total	6	mg/kg dry sample

Sample Description: ***"GP-32-3.0"***

Test	Positive Result Concentration	Units
Arsenic, total, low level	1.2	mg/kg dry sample
Barium, total, low level	29	mg/kg dry sample
Chromium, total, low level	9.6	mg/kg dry sample
Lead, total	7	mg/kg dry sample

Sample Description: ***"GP-33-3.0"***

Test	Positive Result Concentration	Units
Arsenic, total, low level	2.6	mg/kg dry sample
Barium, total, low level	113	mg/kg dry sample
Cadmium, total, low level	0.09	mg/kg dry sample
Chromium, total, low level	15.9	mg/kg dry sample
Lead, total	15	mg/kg dry sample
Mercury, total, low level	0.22	mg/kg dry sample

This Positive Results Summary Report provides an overview of the sample set and CONTAINS ONLY RESULTS ABOVE THE REPORTING LIMIT. It should not be used as a substitute for the attached detail report.

LABORATORY DETAIL REPORT

Client: *Strebor, Inc.*

KAR Project No. : *020830*

Date Reported : *03/04/02*

Project Desc. : *Analysis of six soil samples.*

Sample ID : *"GP-28-3.5"*

Sampled By : *MMC of Strebor, Inc.*

Sample Date : *2/18/02*

Sample Time : *1030*

Date Received : *2/18/02*

Sample Type : *soil*

KAR Sample No. : *020830-01*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Prep, Hg	Completed		EPA 7471A	02/25/02	DBL	
Prep, metals	Completed		EPA 3050	02/25/02	PML	
Arsenic, total, low level	5.8	mg/kg dry sample	EPA 6020	02/28/02	DBL	
Barium, total, low level	207	mg/kg dry sample	EPA 6020	02/28/02	DBL	
Cadmium, total, low level	0.25	mg/kg dry sample	EPA 6020	02/28/02	DBL	
Chromium, total, low level	9.5	mg/kg dry sample	EPA 6020	02/28/02	DBL	
Lead, total	38	mg/kg dry sample	EPA 6020	02/28/02	DBL	
Mercury, total, low level	0.52	mg/kg dry sample	EPA 7471A	02/26/02	DBL	
Selenium, total, low level	<0.4	mg/kg dry sample	EPA 6020	03/01/02	DBL	Elevated detection limit due to sample matrix interference.
Silver, total	<0.5	mg/kg dry sample	EPA 6020	02/28/02	DBL	
Dry weight solids	86.68	% by weight	SM(18) 2540B mod	02/21/02	BLF	
EPA 8260 Plus	See below		EPA 8260	02/20/02	DLB	
Prep, VOA	Completed		EPA 5035	02/20/02	DLB	Sample was field-preserved at time of collection.
1,1,1,2-Tetrachloroethane	<1000	ug/kg dry sample	EPA 8260	02/20/02	DLB	
1,1,1-Trichloroethane	<500	ug/kg dry sample	EPA 8260	02/20/02	DLB	
1,1,2,2-Tetrachloroethane	<1000	ug/kg dry sample	EPA 8260	02/20/02	DLB	
1,1,2-Trichloroethane	<500	ug/kg dry sample	EPA 8260	02/20/02	DLB	
1,1-Dichloroethane	<500	ug/kg dry sample	EPA 8260	02/20/02	DLB	
1,1-Dichloroethene	<500	ug/kg dry sample	EPA 8260	02/20/02	DLB	
1,2,3-Trichloropropane	<1000	ug/kg dry sample	EPA 8260	02/20/02	DLB	
1,2,4-Trichlorobenzene	<2500	ug/kg dry sample	EPA 8260	02/20/02	DLB	
1,2,4-Trimethylbenzene	90,000	ug/kg dry sample	EPA 8260	02/20/02	DLB	
1,2-Dibromo-3-chloropropane	<2500	ug/kg dry sample	EPA 8260	02/20/02	DLB	
1,2-Dichlorobenzene	<1000	ug/kg dry sample	EPA 8260	02/20/02	DLB	
1,2-Dichloroethane	<500	ug/kg dry sample	EPA 8260	02/20/02	DLB	
1,2-Dichloropropane	<500	ug/kg dry sample	EPA 8260	02/20/02	DLB	
1,3,5-Trimethylbenzene	31,000	ug/kg dry sample	EPA 8260	02/20/02	DLB	
1,3-Dichlorobenzene	<1000	ug/kg dry sample	EPA 8260	02/20/02	DLB	
1,4-Dichlorobenzene	<1000	ug/kg dry sample	EPA 8260	02/20/02	DLB	
2-Butanone	<7500	ug/kg dry sample	EPA 8260	02/20/02	DLB	
2-Hexanone	<25,000	ug/kg dry sample	EPA 8260	02/20/02	DLB	
2-Methylnaphthalene by 8260	7500	ug/kg dry sample	EPA 8260	02/20/02	DLB	
4-Methyl-2-pentanone	<25,000	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Acetone	<7500	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Acrylonitrile	<25,000	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Benzene	<500	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Bromochloromethane	<1000	ug/kg dry sample	EPA 8260	02/20/02	DLB	

LABORATORY DETAIL REPORT

Client: *Strebor, Inc.*

KAR Project No. : *020830*

Date Reported : *03/04/02*

Project Desc. : *Analysis of six soil samples.*

Sample ID : *"GP-28-3.5"*

Sampled By : *MMC of Strebor, Inc.*

Sample Date : *2/18/02*

Sample Time : *1030*

Date Received : *2/18/02*

Sample Type : *soil*

KAR Sample No. : *020830-01*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Bromodichloromethane	<1000	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Bromoform	<1000	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Bromomethane	<2500	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Carbon disulfide	<2500	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Carbon tetrachloride	<500	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Chlorobenzene	<500	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Chloroethane	<2500	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Chloroform	<500	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Chloromethane	<2500	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Cis-1,2-Dichloroethene	<500	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Cis-1,3-Dichloropropene	<500	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Dibromochloromethane	<1000	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Dibromomethane	<2500	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Dichlorodifluoromethane	<1000	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Diethyl ether	<25,000	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Ethylbenzene	1900	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Ethylene dibromide	<2500	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Hexachloroethane by 8260	<2500	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Isopropylbenzene	4500	ug/kg dry sample	EPA 8260	02/20/02	DLB	
M-and/or p-xylene	8400	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Methyl iodide	<1000	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Methyl t-butyl ether (MTBE)	<2500	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Methylene chloride	<2500	ug/kg dry sample	EPA 8260	02/20/02	DLB	
N-Propylbenzene	15,000	ug/kg dry sample	EPA 8260	02/20/02	DLB	
O-Xylene	2400	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Styrene	<500	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Tetrachloroethene	<500	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Toluene	<1000	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Trans-1,2-Dichloroethene	<500	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Trans-1,3-Dichloropropene	<500	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Trans-1,4-Dichloro-2-butene	<500	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Trichloroethene	<500	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Trichlorofluoromethane	<1000	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Vinyl chloride	<1000	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Prior. Poll. acids	See below		EPA 8270	02/21/02	KTL	
Prior. Poll. base-neutrals	See below		EPA 8270	02/21/02	KTL	
Prep, SV Acid/BN	Completed		EPA 3545	02/19/02	SAS	

LABORATORY DETAIL REPORT

Client: *Strebor, Inc.*

KAR Project No. : *020830*

Date Reported : *03/04/02*

Project Desc. : *Analysis of six soil samples.*

Sample ID : *"GP-28-3.5"*

Sampled By : *MMC of Strebor, Inc.*

Sample Date : *2/18/02*

Sample Time : *1030*

Date Received : *2/18/02*

Sample Type : *soil*

KAR Sample No. : *020830-01*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
1,2,4-Trichlorobenzene 8270	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
1,2-Dichlorobenzene by 8270	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
1,2-Diphenylhydrazine	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
1,3-Dichlorobenzene by 8270	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
1,4-Dichlorobenzene by 8270	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
2,3,7,8-TCDD by 8270	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
2,4,6-Trichlorophenol	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
2,4-Dichlorophenol	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
2,4-Dimethylphenol	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
2,4-Dinitrophenol	<660	ug/kg dry sample	EPA 8270	02/21/02	KTL	
2,4-Dinitrotoluene	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
2,6-Dinitrotoluene	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
2-Chloronaphthalene	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
2-Chlorophenol	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
2-Methyl-4,6-dinitrophenol	<660	ug/kg dry sample	EPA 8270	02/21/02	KTL	
2-Nitrophenol	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
3,3'-Dichlorobenzidine	<660	ug/kg dry sample	EPA 8270	02/21/02	KTL	
4-Bromophenyl phenyl ether	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
4-Chloro-3-methylphenol	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
4-Chlorophenyl phenyl ether	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
4-Nitrophenol	<660	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Acenaphthene	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Acenaphthylene	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Anthracene	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Benzidine	<1650	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Benzo(a)anthracene	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Benzo(a)pyrene	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Benzo(b)fluoranthene	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Benzo(ghi)perylene	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Benzo(k)fluoranthene	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Bis(2-chloroethoxy)methane	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Bis(2-chloroethyl)ether	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Bis(2-chloroisopropyl)ether	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Bis(2-ethylhexyl)phthalate	14,000	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Butylbenzyl phthalate	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Chrysene	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Di-N-butylphthalate	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	

LABORATORY DETAIL REPORT

Client: *Strebor, Inc.*

KAR Project No. : *020830*

Date Reported : *03/04/02*

Project Desc. : ***Analysis of six soil samples.***

Sample ID : ***"GP-28-3.5"***

Sampled By : ***MMC of Strebor, Inc.***

Sample Date : ***2/18/02***

Sample Time : ***1030***

Date Received : ***2/18/02***

Sample Type : ***soil***

KAR Sample No. : ***020830-01***

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Di-n-Octyl phthalate	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Dibenzo(ah)anthracene	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Diethyl phthalate	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Dimethyl phthalate	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Fluoranthene	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Fluorene	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Hexachlorobenzene	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Hexachlorobutadiene	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Hexachlorocyclopentadiene	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Hexachloroethane	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Indeno(123cd)pyrene	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Isophorone	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
N-Nitrosodi-n-propylamine	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
N-Nitrosodimethylamine	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
N-Nitrosodiphenylamine	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Naphthalene by Method 8270	2800	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Nitrobenzene	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Pentachlorophenol	1600	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Phenanthrene	380	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Phenol	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Pyrene	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	

LABORATORY DETAIL REPORT

Client: *Strebor, Inc.*

KAR Project No. : *020830*

Date Reported : *03/04/02*

Project Desc. : *Analysis of six soil samples.*

Sample ID : *"GP-29-3.0"*

Sampled By : *MMC of Strebor, Inc.*

Sample Date : *2/18/02*

Sample Time : *1105*

Date Received : *2/18/02*

Sample Type : *soil*

KAR Sample No. : *020830-02*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Prep, Hg	Completed		EPA 7471A	02/25/02	DBL	
Prep, metals	Completed		EPA 3050	02/25/02	PML	
Arsenic, total, low level	9.5	mg/kg dry sample	EPA 6020	02/28/02	DBL	
Barium, total, low level	113	mg/kg dry sample	EPA 6020	02/28/02	DBL	
Cadmium, total, low level	0.14	mg/kg dry sample	EPA 6020	02/28/02	DBL	
Chromium, total, low level	9.5	mg/kg dry sample	EPA 6020	02/28/02	DBL	
Lead, total	18	mg/kg dry sample	EPA 6020	02/28/02	DBL	
Mercury, total, low level	0.75	mg/kg dry sample	EPA 7471A	02/26/02	DBL	
Selenium, total, low level	<0.4	mg/kg dry sample	EPA 6020	03/01/02	DBL	Elevated detection limit due to sample matrix interference.
Silver, total	<0.5	mg/kg dry sample	EPA 6020	02/28/02	DBL	
Dry weight solids	89.13	% by weight	SM(18) 2540B mod	02/21/02	BLF	
EPA 8260 Plus	See below		EPA 8260	02/20/02	DLB	
Prep, VOA	Completed		EPA 5035	02/20/02	DLB	Sample was field-preserved at time of collection.
1,1,1,2-Tetrachloroethane	<1000	ug/kg dry sample	EPA 8260	02/20/02	DLB	
1,1,1-Trichloroethane	<500	ug/kg dry sample	EPA 8260	02/20/02	DLB	
1,1,2,2-Tetrachloroethane	<1000	ug/kg dry sample	EPA 8260	02/20/02	DLB	
1,1,2-Trichloroethane	<500	ug/kg dry sample	EPA 8260	02/20/02	DLB	
1,1-Dichloroethane	<500	ug/kg dry sample	EPA 8260	02/20/02	DLB	
1,1-Dichloroethene	<500	ug/kg dry sample	EPA 8260	02/20/02	DLB	
1,2,3-Trichloropropane	<1000	ug/kg dry sample	EPA 8260	02/20/02	DLB	
1,2,4-Trichlorobenzene	<2500	ug/kg dry sample	EPA 8260	02/20/02	DLB	
1,2,4-Trimethylbenzene	150,000	ug/kg dry sample	EPA 8260	02/20/02	DLB	
1,2-Dibromo-3-chloropropane	<2500	ug/kg dry sample	EPA 8260	02/20/02	DLB	
1,2-Dichlorobenzene	<1000	ug/kg dry sample	EPA 8260	02/20/02	DLB	
1,2-Dichloroethane	<500	ug/kg dry sample	EPA 8260	02/20/02	DLB	
1,2-Dichloropropane	<500	ug/kg dry sample	EPA 8260	02/20/02	DLB	
1,3,5-Trimethylbenzene	41,000	ug/kg dry sample	EPA 8260	02/20/02	DLB	
1,3-Dichlorobenzene	<1000	ug/kg dry sample	EPA 8260	02/20/02	DLB	
1,4-Dichlorobenzene	<1000	ug/kg dry sample	EPA 8260	02/20/02	DLB	
2-Butanone	<7500	ug/kg dry sample	EPA 8260	02/20/02	DLB	
2-Hexanone	<25,000	ug/kg dry sample	EPA 8260	02/20/02	DLB	
2-Methylnaphthalene by 8260	7600	ug/kg dry sample	EPA 8260	02/20/02	DLB	
4-Methyl-2-pentanone	<25,000	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Acetone	<7500	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Acrylonitrile	<25,000	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Benzene	<500	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Bromochloromethane	<1000	ug/kg dry sample	EPA 8260	02/20/02	DLB	

LABORATORY DETAIL REPORT

Client: *Strebor, Inc.*

KAR Project No. : *020830*

Date Reported : *03/04/02*

Project Desc. : ***Analysis of six soil samples.***

Sample ID : ***"GP-29-3.0"***

Sampled By : ***MMC of Strebor, Inc.***

Sample Date : ***2/18/02***

Sample Time : ***1105***

Date Received : ***2/18/02***

Sample Type : ***soil***

KAR Sample No. : ***020830-02***

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Bromodichloromethane	<1000	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Bromoform	<1000	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Bromomethane	<2500	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Carbon disulfide	<2500	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Carbon tetrachloride	<500	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Chlorobenzene	<500	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Chloroethane	<2500	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Chloroform	<500	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Chloromethane	<2500	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Cis-1,2-Dichloroethene	<500	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Cis-1,3-Dichloropropene	<500	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Dibromochloromethane	<1000	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Dibromomethane	<2500	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Dichlorodifluoromethane	<1000	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Diethyl ether	<25,000	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Ethylbenzene	1900	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Ethylene dibromide	<2500	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Hexachloroethane by 8260	<2500	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Isopropylbenzene	6200	ug/kg dry sample	EPA 8260	02/20/02	DLB	
M-and/or p-xylene	9300	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Methyl iodide	<1000	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Methyl t-butyl ether (MTBE)	<2500	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Methylene chloride	<2500	ug/kg dry sample	EPA 8260	02/20/02	DLB	
N-Propylbenzene	19,000	ug/kg dry sample	EPA 8260	02/20/02	DLB	
O-Xylene	11,000	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Styrene	<500	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Tetrachloroethene	<500	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Toluene	<1000	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Trans-1,2-Dichloroethene	<500	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Trans-1,3-Dichloropropene	<500	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Trans-1,4-Dichloro-2-butene	<500	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Trichloroethene	<500	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Trichlorofluoromethane	<1000	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Vinyl chloride	<1000	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Prior. Poll. acids	See below		EPA 8270	02/21/02	KTL	
Prior. Poll. base-neutrals	See below		EPA 8270	02/21/02	KTL	
Prep, SV Acid/BN	Completed		EPA 3545	02/19/02	SAS	

LABORATORY DETAIL REPORT

Client: *Strebor, Inc.*

KAR Project No. : *020830*

Date Reported : *03/04/02*

Project Desc. : *Analysis of six soil samples.*

Sample ID : *"GP-29-3.0"*

Sampled By : *MMC of Strebor, Inc.*

Sample Date : *2/18/02*

Sample Time : *1105*

Date Received : *2/18/02*

Sample Type : *soil*

KAR Sample No. : *020830-02*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
1,2,4-Trichlorobenzene 8270	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
1,2-Dichlorobenzene by 8270	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
1,2-Diphenylhydrazine	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
1,3-Dichlorobenzene by 8270	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
1,4-Dichlorobenzene by 8270	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
2,3,7,8-TCDD by 8270	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
2,4,6-Trichlorophenol	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
2,4-Dichlorophenol	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
2,4-Dimethylphenol	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
2,4-Dinitrophenol	<660	ug/kg dry sample	EPA 8270	02/21/02	KTL	
2,4-Dinitrotoluene	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
2,6-Dinitrotoluene	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
2-Chloronaphthalene	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
2-Chlorophenol	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
2-Methyl-4,6-dinitrophenol	<660	ug/kg dry sample	EPA 8270	02/21/02	KTL	
2-Nitrophenol	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
3,3'-Dichlorobenzidine	<660	ug/kg dry sample	EPA 8270	02/21/02	KTL	
4-Bromophenyl phenyl ether	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
4-Chloro-3-methylphenol	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
4-Chlorophenyl phenyl ether	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
4-Nitrophenol	<660	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Acenaphthene	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Acenaphthylene	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Anthracene	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Benzidine	<1650	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Benzo(a)anthracene	350	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Benzo(a)pyrene	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Benzo(b)fluoranthene	550	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Benzo(ghi)perylene	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Benzo(k)fluoranthene	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Bis(2-chloroethoxy)methane	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Bis(2-chloroethyl)ether	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Bis(2-chloroisopropyl)ether	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Bis(2-ethylhexyl)phthalate	5800	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Butylbenzyl phthalate	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Chrysene	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Di-N-butylphthalate	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	

LABORATORY DETAIL REPORT

Client: *Strebor, Inc.*

KAR Project No. : *020830*

Date Reported : *03/04/02*

Project Desc. : *Analysis of six soil samples.*

Sample ID : *"GP-29-3.0"*

Sampled By : *MMC of Strebor, Inc.*

Sample Date : *2/18/02*

Sample Time : *1105*

Date Received : *2/18/02*

Sample Type : *soil*

KAR Sample No. : *020830-02*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Di-n-Octyl phthalate	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Dibenzo(ah)anthracene	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Diethyl phthalate	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Dimethyl phthalate	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Fluoranthene	460	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Fluorene	410	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Hexachlorobenzene	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Hexachlorobutadiene	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Hexachlorocyclopentadiene	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Hexachloroethane	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Indeno(123cd)pyrene	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Isophorone	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
N-Nitrosodi-n-propylamine	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
N-Nitrosodimethylamine	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
N-Nitrosodiphenylamine	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Naphthalene by Method 8270	4800	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Nitrobenzene	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Pentachlorophenol	23,000	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Phenanthrene	750	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Phenol	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Pyrene	860	ug/kg dry sample	EPA 8270	02/21/02	KTL	

LABORATORY DETAIL REPORT

Client: *Strebor, Inc.*

KAR Project No. : *020830*

Date Reported : *03/04/02*

Project Desc. : *Analysis of six soil samples.*

Sample ID : *"GP-30-2.5"*

Sampled By : *MMC of Strebor, Inc.*

Sample Date : *2/18/02*

Sample Time : *1145*

Date Received : *2/18/02*

Sample Type : *soil*

KAR Sample No. : *020830-03*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Prep, Hg	Completed		EPA 7471A	02/25/02	DBL	
Prep, metals	Completed		EPA 3050	02/25/02	PML	
Arsenic, total, low level	2.2	mg/kg dry sample	EPA 6020	02/28/02	DBL	
Barium, total, low level	87	mg/kg dry sample	EPA 6020	02/28/02	DBL	
Cadmium, total, low level	0.06	mg/kg dry sample	EPA 6020	02/28/02	DBL	
Chromium, total, low level	9.6	mg/kg dry sample	EPA 6020	02/28/02	DBL	
Lead, total	7	mg/kg dry sample	EPA 6020	02/28/02	DBL	
Mercury, total, low level	<0.1	mg/kg dry sample	EPA 7471A	02/26/02	DBL	
Selenium, total, low level	<0.4	mg/kg dry sample	EPA 6020	03/01/02	DBL	Elevated detection limit due to sample matrix interference.
Silver, total	<0.5	mg/kg dry sample	EPA 6020	02/28/02	DBL	
Dry weight solids	89.05	% by weight	SM(18) 2540B mod	02/21/02	BLF	
EPA 8260 Plus	See below		EPA 8260	02/20/02	DLB	
Prep, VOA	Completed		EPA 5035	02/20/02	DLB	Sample was field-preserved at time of collection.
1,1,1,2-Tetrachloroethane	<100	ug/kg dry sample	EPA 8260	02/20/02	DLB	
1,1,1-Trichloroethane	<50	ug/kg dry sample	EPA 8260	02/20/02	DLB	
1,1,2,2-Tetrachloroethane	<100	ug/kg dry sample	EPA 8260	02/20/02	DLB	
1,1,2-Trichloroethane	<50	ug/kg dry sample	EPA 8260	02/20/02	DLB	
1,1-Dichloroethane	<50	ug/kg dry sample	EPA 8260	02/20/02	DLB	
1,1-Dichloroethene	<50	ug/kg dry sample	EPA 8260	02/20/02	DLB	
1,2,3-Trichloropropane	<100	ug/kg dry sample	EPA 8260	02/20/02	DLB	
1,2,4-Trichlorobenzene	<250	ug/kg dry sample	EPA 8260	02/20/02	DLB	
1,2,4-Trimethylbenzene	<100	ug/kg dry sample	EPA 8260	02/20/02	DLB	
1,2-Dibromo-3-chloropropane	<250	ug/kg dry sample	EPA 8260	02/20/02	DLB	
1,2-Dichlorobenzene	<100	ug/kg dry sample	EPA 8260	02/20/02	DLB	
1,2-Dichloroethane	<50	ug/kg dry sample	EPA 8260	02/20/02	DLB	
1,2-Dichloropropane	<50	ug/kg dry sample	EPA 8260	02/20/02	DLB	
1,3,5-Trimethylbenzene	<100	ug/kg dry sample	EPA 8260	02/20/02	DLB	
1,3-Dichlorobenzene	<100	ug/kg dry sample	EPA 8260	02/20/02	DLB	
1,4-Dichlorobenzene	<100	ug/kg dry sample	EPA 8260	02/20/02	DLB	
2-Butanone	<750	ug/kg dry sample	EPA 8260	02/20/02	DLB	
2-Hexanone	<2500	ug/kg dry sample	EPA 8260	02/20/02	DLB	
2-Methylnaphthalene by 8260	<250	ug/kg dry sample	EPA 8260	02/20/02	DLB	
4-Methyl-2-pentanone	<2500	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Acetone	<750	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Acrylonitrile	<2500	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Benzene	<50	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Bromochloromethane	<100	ug/kg dry sample	EPA 8260	02/20/02	DLB	

LABORATORY DETAIL REPORT

Client: *Strebor, Inc.*

KAR Project No. : *020830*

Date Reported : *03/04/02*

Project Desc. : *Analysis of six soil samples.*

Sample ID : *"GP-30-2.5"*

Sampled By : *MMC of Strebor, Inc.*

Sample Date : *2/18/02*

Sample Time : *1145*

Date Received : *2/18/02*

Sample Type : *soil*

KAR Sample No. : *020830-03*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Bromodichloromethane	<100	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Bromoform	<100	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Bromomethane	<250	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Carbon disulfide	<250	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Carbon tetrachloride	<50	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Chlorobenzene	<50	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Chloroethane	<250	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Chloroform	<50	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Chloromethane	<250	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Cis-1,2-Dichloroethene	<50	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Cis-1,3-Dichloropropene	<50	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Dibromochloromethane	<100	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Dibromomethane	<250	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Dichlorodifluoromethane	<100	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Diethyl ether	<2500	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Ethylbenzene	<50	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Ethylene dibromide	<250	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Hexachloroethane by 8260	<250	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Isopropylbenzene	<250	ug/kg dry sample	EPA 8260	02/20/02	DLB	
M-and/or p-xylene	<100	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Methyl iodide	<100	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Methyl t-butyl ether (MTBE)	<250	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Methylene chloride	<250	ug/kg dry sample	EPA 8260	02/20/02	DLB	
N-Propylbenzene	<100	ug/kg dry sample	EPA 8260	02/20/02	DLB	
O-Xylene	<50	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Styrene	<50	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Tetrachloroethene	<50	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Toluene	<100	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Trans-1,2-Dichloroethene	<50	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Trans-1,3-Dichloropropene	<50	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Trans-1,4-Dichloro-2-butene	<50	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Trichloroethene	<50	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Trichlorofluoromethane	<100	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Vinyl chloride	<100	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Prior. Poll. acids	See below		EPA 8270	02/21/02	KTL	
Prior. Poll. base-neutrals	See below		EPA 8270	02/21/02	KTL	
Prep, SV Acid/BN	Completed		EPA 3545	02/19/02	SAS	

LABORATORY DETAIL REPORT

Client: *Strebor, Inc.*

KAR Project No. : *020830*

Date Reported : *03/04/02*

Project Desc. : *Analysis of six soil samples.*

Sample ID : *"GP-30-2.5"*

Sampled By : *MMC of Strebor, Inc.*

Sample Date : *2/18/02*

Sample Time : *1145*

Date Received : *2/18/02*

Sample Type : *soil*

KAR Sample No. : *020830-03*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
1,2,4-Trichlorobenzene 8270	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
1,2-Dichlorobenzene by 8270	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
1,2-Diphenylhydrazine	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
1,3-Dichlorobenzene by 8270	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
1,4-Dichlorobenzene by 8270	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
2,3,7,8-TCDD by 8270	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
2,4,6-Trichlorophenol	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
2,4-Dichlorophenol	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
2,4-Dimethylphenol	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
2,4-Dinitrophenol	<660	ug/kg dry sample	EPA 8270	02/21/02	KTL	
2,4-Dinitrotoluene	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
2,6-Dinitrotoluene	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
2-Chloronaphthalene	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
2-Chlorophenol	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
2-Methyl-4,6-dinitrophenol	<660	ug/kg dry sample	EPA 8270	02/21/02	KTL	
2-Nitrophenol	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
3,3'-Dichlorobenzidine	<660	ug/kg dry sample	EPA 8270	02/21/02	KTL	
4-Bromophenyl phenyl ether	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
4-Chloro-3-methylphenol	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
4-Chlorophenyl phenyl ether	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
4-Nitrophenol	<660	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Acenaphthene	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Acenaphthylene	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Anthracene	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Benzidine	<1650	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Benzo(a)anthracene	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Benzo(a)pyrene	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Benzo(b)fluoranthene	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Benzo(ghi)perylene	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Benzo(k)fluoranthene	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Bis(2-chloroethoxy)methane	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Bis(2-chloroethyl)ether	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Bis(2-chloroisopropyl)ether	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Bis(2-ethylhexyl)phthalate	1300	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Butylbenzyl phthalate	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Chrysene	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Di-N-butylphthalate	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	

LABORATORY DETAIL REPORT

Client: *Strebor, Inc.*

KAR Project No. : *020830*

Date Reported : *03/04/02*

Project Desc. : *Analysis of six soil samples.*

Sample ID : *"GP-30-2.5"*

Sampled By : *MMC of Strebor, Inc.*

Sample Date : *2/18/02*

Sample Time : *1145*

Date Received : *2/18/02*

Sample Type : *soil*

KAR Sample No. : *020830-03*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Di-n-Octyl phthalate	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Dibenzo(ah)anthracene	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Diethyl phthalate	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Dimethyl phthalate	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Fluoranthene	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Fluorene	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Hexachlorobenzene	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Hexachlorobutadiene	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Hexachlorocyclopentadiene	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Hexachloroethane	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Indeno(123cd)pyrene	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Isophorone	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
N-Nitrosodi-n-propylamine	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
N-Nitrosodimethylamine	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
N-Nitrosodiphenylamine	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Naphthalene by Method 8270	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Nitrobenzene	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Pentachlorophenol	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Phenanthrene	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Phenol	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Pyrene	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	

LABORATORY DETAIL REPORT

Client: *Strebor, Inc.*

KAR Project No. : *020830*

Date Reported : *03/04/02*

Project Desc. : *Analysis of six soil samples.*

Sample ID : *"GP-31-2.5"*

Sampled By : *MMC of Strebor, Inc.*

Sample Date : *2/18/02*

Sample Time : *1240*

Date Received : *2/18/02*

Sample Type : *soil*

KAR Sample No. : *020830-04*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Prep, Hg	Completed		EPA 7471A	02/25/02	DBL	
Prep, metals	Completed		EPA 3050	02/25/02	PML	
Arsenic, total, low level	5.4	mg/kg dry sample	EPA 6020	02/28/02	DBL	
Barium, total, low level	53	mg/kg dry sample	EPA 6020	02/28/02	DBL	
Cadmium, total, low level	<0.05	mg/kg dry sample	EPA 6020	02/28/02	DBL	
Chromium, total, low level	9.9	mg/kg dry sample	EPA 6020	02/28/02	DBL	
Lead, total	6	mg/kg dry sample	EPA 6020	02/28/02	DBL	
Mercury, total, low level	<0.1	mg/kg dry sample	EPA 7471A	02/26/02	DBL	
Selenium, total, low level	<0.4	mg/kg dry sample	EPA 6020	03/01/02	DBL	Elevated detection limit due to sample matrix interference.
Silver, total	<0.5	mg/kg dry sample	EPA 6020	02/28/02	DBL	
Dry weight solids	88.00	% by weight	SM(18) 2540B mod	02/21/02	BLF	
EPA 8260 Plus	See below		EPA 8260	02/20/02	DLB	
Prep, VOA	Completed		EPA 5035	02/20/02	DLB	Sample was field-preserved at time of collection.
1,1,1,2-Tetrachloroethane	<100	ug/kg dry sample	EPA 8260	02/20/02	DLB	
1,1,1-Trichloroethane	<50	ug/kg dry sample	EPA 8260	02/20/02	DLB	
1,1,2,2-Tetrachloroethane	<100	ug/kg dry sample	EPA 8260	02/20/02	DLB	
1,1,2-Trichloroethane	<50	ug/kg dry sample	EPA 8260	02/20/02	DLB	
1,1-Dichloroethane	<50	ug/kg dry sample	EPA 8260	02/20/02	DLB	
1,1-Dichloroethene	<50	ug/kg dry sample	EPA 8260	02/20/02	DLB	
1,2,3-Trichloropropane	<100	ug/kg dry sample	EPA 8260	02/20/02	DLB	
1,2,4-Trichlorobenzene	<250	ug/kg dry sample	EPA 8260	02/20/02	DLB	
1,2,4-Trimethylbenzene	<100	ug/kg dry sample	EPA 8260	02/20/02	DLB	
1,2-Dibromo-3-chloropropane	<250	ug/kg dry sample	EPA 8260	02/20/02	DLB	
1,2-Dichlorobenzene	<100	ug/kg dry sample	EPA 8260	02/20/02	DLB	
1,2-Dichloroethane	<50	ug/kg dry sample	EPA 8260	02/20/02	DLB	
1,2-Dichloropropane	<50	ug/kg dry sample	EPA 8260	02/20/02	DLB	
1,3,5-Trimethylbenzene	<100	ug/kg dry sample	EPA 8260	02/20/02	DLB	
1,3-Dichlorobenzene	<100	ug/kg dry sample	EPA 8260	02/20/02	DLB	
1,4-Dichlorobenzene	<100	ug/kg dry sample	EPA 8260	02/20/02	DLB	
2-Butanone	<750	ug/kg dry sample	EPA 8260	02/20/02	DLB	
2-Hexanone	<2500	ug/kg dry sample	EPA 8260	02/20/02	DLB	
2-Methylnaphthalene by 8260	<250	ug/kg dry sample	EPA 8260	02/20/02	DLB	
4-Methyl-2-pentanone	<2500	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Acetone	<750	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Acrylonitrile	<2500	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Benzene	<50	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Bromochloromethane	<100	ug/kg dry sample	EPA 8260	02/20/02	DLB	

LABORATORY DETAIL REPORT

Client: *Strebor, Inc.*

KAR Project No. : *020830*

Date Reported : *03/04/02*

Project Desc. : *Analysis of six soil samples.*

Sample ID : *"GP-31-2.5"*

Sampled By : *MMC of Strebor, Inc.*

Sample Date : *2/18/02*

Sample Time : *1240*

Date Received : *2/18/02*

Sample Type : *soil*

KAR Sample No. : *020830-04*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Bromodichloromethane	<100	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Bromoform	<100	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Bromomethane	<250	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Carbon disulfide	<250	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Carbon tetrachloride	<50	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Chlorobenzene	<50	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Chloroethane	<250	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Chloroform	<50	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Chloromethane	<250	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Cis-1,2-Dichloroethene	<50	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Cis-1,3-Dichloropropene	<50	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Dibromochloromethane	<100	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Dibromomethane	<250	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Dichlorodifluoromethane	<100	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Diethyl ether	<2500	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Ethylbenzene	<50	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Ethylene dibromide	<250	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Hexachloroethane by 8260	<250	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Isopropylbenzene	<250	ug/kg dry sample	EPA 8260	02/20/02	DLB	
M-and/or p-xylene	<100	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Methyl iodide	<100	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Methyl t-butyl ether (MTBE)	<250	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Methylene chloride	<250	ug/kg dry sample	EPA 8260	02/20/02	DLB	
N-Propylbenzene	<100	ug/kg dry sample	EPA 8260	02/20/02	DLB	
O-Xylene	<50	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Styrene	<50	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Tetrachloroethene	<50	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Toluene	<100	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Trans-1,2-Dichloroethene	<50	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Trans-1,3-Dichloropropene	<50	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Trans-1,4-Dichloro-2-butene	<50	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Trichloroethene	<50	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Trichlorofluoromethane	<100	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Vinyl chloride	<100	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Prior. Poll. acids	See below		EPA 8270	02/21/02	KTL	
Prior. Poll. base-neutrals	See below		EPA 8270	02/21/02	KTL	
Prep, SV Acid/BN	Completed		EPA 3545	02/19/02	SAS	

LABORATORY DETAIL REPORT

Client: *Strebor, Inc.*

KAR Project No. : *020830*

Date Reported : *03/04/02*

Project Desc. : *Analysis of six soil samples.*

Sample ID : *"GP-31-2.5"*

Sampled By : *MMC of Strebor, Inc.*

Sample Date : *2/18/02*

Sample Time : *1240*

Date Received : *2/18/02*

Sample Type : *soil*

KAR Sample No. : *020830-04*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
1,2,4-Trichlorobenzene 8270	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
1,2-Dichlorobenzene by 8270	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
1,2-Diphenylhydrazine	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
1,3-Dichlorobenzene by 8270	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
1,4-Dichlorobenzene by 8270	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
2,3,7,8-TCDD by 8270	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
2,4,6-Trichlorophenol	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
2,4-Dichlorophenol	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
2,4-Dimethylphenol	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
2,4-Dinitrophenol	<660	ug/kg dry sample	EPA 8270	02/21/02	KTL	
2,4-Dinitrotoluene	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
2,6-Dinitrotoluene	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
2-Chloronaphthalene	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
2-Chlorophenol	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
2-Methyl-4,6-dinitrophenol	<660	ug/kg dry sample	EPA 8270	02/21/02	KTL	
2-Nitrophenol	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
3,3'-Dichlorobenzidine	<660	ug/kg dry sample	EPA 8270	02/21/02	KTL	
4-Bromophenyl phenyl ether	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
4-Chloro-3-methylphenol	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
4-Chlorophenyl phenyl ether	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
4-Nitrophenol	<660	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Acenaphthene	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Acenaphthylene	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Anthracene	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Benzidine	<1650	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Benzo(a)anthracene	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Benzo(a)pyrene	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Benzo(b)fluoranthene	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Benzo(ghi)perylene	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Benzo(k)fluoranthene	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Bis(2-chloroethoxy)methane	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Bis(2-chloroethyl)ether	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Bis(2-chloroisopropyl)ether	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Bis(2-ethylhexyl)phthalate	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Butylbenzyl phthalate	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Chrysene	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Di-N-butylphthalate	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	

LABORATORY DETAIL REPORT

Client: *Strebor, Inc.*

KAR Project No. : *020830*

Date Reported : *03/04/02*

Project Desc. : *Analysis of six soil samples.*

Sample ID : *"GP-31-2.5"*

Sampled By : *MMC of Strebor, Inc.*

Sample Date : *2/18/02*

Sample Time : *1240*

Date Received : *2/18/02*

Sample Type : *soil*

KAR Sample No. : *020830-04*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Di-n-Octyl phthalate	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Dibenzo(ah)anthracene	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Diethyl phthalate	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Dimethyl phthalate	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Fluoranthene	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Fluorene	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Hexachlorobenzene	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Hexachlorobutadiene	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Hexachlorocyclopentadiene	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Hexachloroethane	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Indeno(123cd)pyrene	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Isophorone	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
N-Nitrosodi-n-propylamine	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
N-Nitrosodimethylamine	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
N-Nitrosodiphenylamine	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Naphthalene by Method 8270	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Nitrobenzene	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Pentachlorophenol	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Phenanthrene	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Phenol	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Pyrene	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	

LABORATORY DETAIL REPORT

Client: *Strebor, Inc.*

KAR Project No. : *020830*

Date Reported : *03/04/02*

Project Desc. : *Analysis of six soil samples.*

Sample ID : *"GP-32-3.0"*

Sampled By : *MMC of Strebor, Inc.*

Sample Date : *2/18/02*

Sample Time : *1315*

Date Received : *2/18/02*

Sample Type : *soil*

KAR Sample No. : *020830-05*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Prep, Hg	Completed		EPA 7471A	02/25/02	DBL	
Prep, metals	Completed		EPA 3050	02/25/02	PML	
Arsenic, total, low level	1.2	mg/kg dry sample	EPA 6020	02/28/02	DBL	
Barium, total, low level	29	mg/kg dry sample	EPA 6020	02/28/02	DBL	
Cadmium, total, low level	<0.05	mg/kg dry sample	EPA 6020	02/28/02	DBL	
Chromium, total, low level	9.6	mg/kg dry sample	EPA 6020	02/28/02	DBL	
Lead, total	7	mg/kg dry sample	EPA 6020	02/28/02	DBL	
Mercury, total, low level	<0.1	mg/kg dry sample	EPA 7471A	02/26/02	DBL	
Selenium, total, low level	<0.4	mg/kg dry sample	EPA 6020	03/01/02	DBL	Elevated detection limit due to sample matrix interference.
Silver, total	<0.5	mg/kg dry sample	EPA 6020	02/28/02	DBL	
Dry weight solids	89.98	% by weight	SM(18) 2540B mod	02/21/02	BLF	
EPA 8260 Plus	See below		EPA 8260	02/20/02	DLB	
Prep, VOA	Completed		EPA 5035	02/20/02	DLB	Sample was field-preserved at time of collection.
1,1,1,2-Tetrachloroethane	<100	ug/kg dry sample	EPA 8260	02/20/02	DLB	
1,1,1-Trichloroethane	<50	ug/kg dry sample	EPA 8260	02/20/02	DLB	
1,1,2,2-Tetrachloroethane	<100	ug/kg dry sample	EPA 8260	02/20/02	DLB	
1,1,2-Trichloroethane	<50	ug/kg dry sample	EPA 8260	02/20/02	DLB	
1,1-Dichloroethane	<50	ug/kg dry sample	EPA 8260	02/20/02	DLB	
1,1-Dichloroethene	<50	ug/kg dry sample	EPA 8260	02/20/02	DLB	
1,2,3-Trichloropropane	<100	ug/kg dry sample	EPA 8260	02/20/02	DLB	
1,2,4-Trichlorobenzene	<250	ug/kg dry sample	EPA 8260	02/20/02	DLB	
1,2,4-Trimethylbenzene	<100	ug/kg dry sample	EPA 8260	02/20/02	DLB	
1,2-Dibromo-3-chloropropane	<250	ug/kg dry sample	EPA 8260	02/20/02	DLB	
1,2-Dichlorobenzene	<100	ug/kg dry sample	EPA 8260	02/20/02	DLB	
1,2-Dichloroethane	<50	ug/kg dry sample	EPA 8260	02/20/02	DLB	
1,2-Dichloropropane	<50	ug/kg dry sample	EPA 8260	02/20/02	DLB	
1,3,5-Trimethylbenzene	<100	ug/kg dry sample	EPA 8260	02/20/02	DLB	
1,3-Dichlorobenzene	<100	ug/kg dry sample	EPA 8260	02/20/02	DLB	
1,4-Dichlorobenzene	<100	ug/kg dry sample	EPA 8260	02/20/02	DLB	
2-Butanone	<750	ug/kg dry sample	EPA 8260	02/20/02	DLB	
2-Hexanone	<2500	ug/kg dry sample	EPA 8260	02/20/02	DLB	
2-Methylnaphthalene by 8260	<250	ug/kg dry sample	EPA 8260	02/20/02	DLB	
4-Methyl-2-pentanone	<2500	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Acetone	<750	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Acrylonitrile	<2500	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Benzene	<50	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Bromochloromethane	<100	ug/kg dry sample	EPA 8260	02/20/02	DLB	

LABORATORY DETAIL REPORT

Client: *Strebor, Inc.*

KAR Project No. : *020830*

Date Reported : *03/04/02*

Project Desc. : *Analysis of six soil samples.*

Sample ID : *"GP-32-3.0"*

Sampled By : *MMC of Strebor, Inc.*

Sample Date : *2/18/02*

Sample Time : *1315*

Date Received : *2/18/02*

Sample Type : *soil*

KAR Sample No. : *020830-05*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Bromodichloromethane	<100	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Bromoform	<100	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Bromomethane	<250	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Carbon disulfide	<250	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Carbon tetrachloride	<50	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Chlorobenzene	<50	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Chloroethane	<250	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Chloroform	<50	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Chloromethane	<250	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Cis-1,2-Dichloroethene	<50	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Cis-1,3-Dichloropropene	<50	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Dibromochloromethane	<100	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Dibromomethane	<250	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Dichlorodifluoromethane	<100	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Diethyl ether	<2500	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Ethylbenzene	<50	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Ethylene dibromide	<250	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Hexachloroethane by 8260	<250	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Isopropylbenzene	<250	ug/kg dry sample	EPA 8260	02/20/02	DLB	
M-and/or p-xylene	<100	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Methyl iodide	<100	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Methyl t-butyl ether (MTBE)	<250	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Methylene chloride	<250	ug/kg dry sample	EPA 8260	02/20/02	DLB	
N-Propylbenzene	<100	ug/kg dry sample	EPA 8260	02/20/02	DLB	
O-Xylene	<50	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Styrene	<50	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Tetrachloroethene	<50	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Toluene	<100	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Trans-1,2-Dichloroethene	<50	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Trans-1,3-Dichloropropene	<50	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Trans-1,4-Dichloro-2-butene	<50	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Trichloroethene	<50	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Trichlorofluoromethane	<100	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Vinyl chloride	<100	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Prior. Poll. acids	See below		EPA 8270	02/21/02	KTL	
Prior. Poll. base-neutrals	See below		EPA 8270	02/21/02	KTL	
Prep, SV Acid/BN	Completed		EPA 3545	02/19/02	SAS	

LABORATORY DETAIL REPORT

Client: *Strebor, Inc.*

KAR Project No. : *020830*

Date Reported : *03/04/02*

Project Desc. : *Analysis of six soil samples.*

Sample ID : *"GP-32-3.0"*

Sampled By : *MMC of Strebor, Inc.*

Sample Date : *2/18/02*

Sample Time : *1315*

Date Received : *2/18/02*

Sample Type : *soil*

KAR Sample No. : *020830-05*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
1,2,4-Trichlorobenzene 8270	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
1,2-Dichlorobenzene by 8270	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
1,2-Diphenylhydrazine	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
1,3-Dichlorobenzene by 8270	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
1,4-Dichlorobenzene by 8270	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
2,3,7,8-TCDD by 8270	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
2,4,6-Trichlorophenol	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
2,4-Dichlorophenol	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
2,4-Dimethylphenol	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
2,4-Dinitrophenol	<660	ug/kg dry sample	EPA 8270	02/21/02	KTL	
2,4-Dinitrotoluene	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
2,6-Dinitrotoluene	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
2-Chloronaphthalene	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
2-Chlorophenol	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
2-Methyl-4,6-dinitrophenol	<660	ug/kg dry sample	EPA 8270	02/21/02	KTL	
2-Nitrophenol	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
3,3'-Dichlorobenzidine	<660	ug/kg dry sample	EPA 8270	02/21/02	KTL	
4-Bromophenyl phenyl ether	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
4-Chloro-3-methylphenol	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
4-Chlorophenyl phenyl ether	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
4-Nitrophenol	<660	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Acenaphthene	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Acenaphthylene	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Anthracene	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Benzidine	<1650	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Benzo(a)anthracene	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Benzo(a)pyrene	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Benzo(b)fluoranthene	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Benzo(ghi)perylene	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Benzo(k)fluoranthene	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Bis(2-chloroethoxy)methane	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Bis(2-chloroethyl)ether	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Bis(2-chloroisopropyl)ether	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Bis(2-ethylhexyl)phthalate	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Butylbenzyl phthalate	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Chrysene	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Di-N-butylphthalate	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	

LABORATORY DETAIL REPORT

Client: *Strebor, Inc.*

KAR Project No. : *020830*

Date Reported : *03/04/02*

Project Desc. : *Analysis of six soil samples.*

Sample ID : *"GP-32-3.0"*

Sampled By : *MMC of Strebor, Inc.*

Sample Date : *2/18/02*

Sample Time : *1315*

Date Received : *2/18/02*

Sample Type : *soil*

KAR Sample No. : *020830-05*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Di-n-Octyl phthalate	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Dibenzo(ah)anthracene	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Diethyl phthalate	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Dimethyl phthalate	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Fluoranthene	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Fluorene	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Hexachlorobenzene	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Hexachlorobutadiene	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Hexachlorocyclopentadiene	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Hexachloroethane	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Indeno(123cd)pyrene	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Isophorone	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
N-Nitrosodi-n-propylamine	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
N-Nitrosodimethylamine	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
N-Nitrosodiphenylamine	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Naphthalene by Method 8270	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Nitrobenzene	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Pentachlorophenol	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Phenanthrene	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Phenol	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Pyrene	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	

LABORATORY DETAIL REPORT

Client: *Strebor, Inc.*

KAR Project No. : *020830*

Date Reported : *03/04/02*

Project Desc. : *Analysis of six soil samples.*

Sample ID : *"GP-33-3.0"*

Sampled By : *MMC of Strebor, Inc.*

Sample Date : *2/18/02*

Sample Time : *1350*

Date Received : *2/18/02*

Sample Type : *soil*

KAR Sample No. : *020830-06*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Prep, Hg	Completed		EPA 7471A	02/25/02	DBL	
Prep, metals	Completed		EPA 3050	02/25/02	PML	
Arsenic, total, low level	2.6	mg/kg dry sample	EPA 6020	02/28/02	DBL	
Barium, total, low level	113	mg/kg dry sample	EPA 6020	02/28/02	DBL	
Cadmium, total, low level	0.09	mg/kg dry sample	EPA 6020	02/28/02	DBL	
Chromium, total, low level	15.9	mg/kg dry sample	EPA 6020	02/28/02	DBL	
Lead, total	15	mg/kg dry sample	EPA 6020	02/28/02	DBL	
Mercury, total, low level	0.22	mg/kg dry sample	EPA 7471A	02/26/02	DBL	
Selenium, total, low level	<0.4	mg/kg dry sample	EPA 6020	03/01/02	DBL	Elevated detection limit due to sample matrix interference.
Silver, total	<0.5	mg/kg dry sample	EPA 6020	02/28/02	DBL	
Dry weight solids	77.79	% by weight	SM(18) 2540B mod	02/21/02	BLF	
EPA 8260 Plus	See below		EPA 8260	02/20/02	DLB	
Prep, VOA	Completed		EPA 5035	02/20/02	DLB	Sample was field-preserved at time of collection.
1,1,1,2-Tetrachloroethane	<100	ug/kg dry sample	EPA 8260	02/20/02	DLB	
1,1,1-Trichloroethane	<50	ug/kg dry sample	EPA 8260	02/20/02	DLB	
1,1,2,2-Tetrachloroethane	<100	ug/kg dry sample	EPA 8260	02/20/02	DLB	
1,1,2-Trichloroethane	<50	ug/kg dry sample	EPA 8260	02/20/02	DLB	
1,1-Dichloroethane	<50	ug/kg dry sample	EPA 8260	02/20/02	DLB	
1,1-Dichloroethene	<50	ug/kg dry sample	EPA 8260	02/20/02	DLB	
1,2,3-Trichloropropane	<100	ug/kg dry sample	EPA 8260	02/20/02	DLB	
1,2,4-Trichlorobenzene	<250	ug/kg dry sample	EPA 8260	02/20/02	DLB	
1,2,4-Trimethylbenzene	<100	ug/kg dry sample	EPA 8260	02/20/02	DLB	
1,2-Dibromo-3-chloropropane	<250	ug/kg dry sample	EPA 8260	02/20/02	DLB	
1,2-Dichlorobenzene	<100	ug/kg dry sample	EPA 8260	02/20/02	DLB	
1,2-Dichloroethane	<50	ug/kg dry sample	EPA 8260	02/20/02	DLB	
1,2-Dichloropropane	<50	ug/kg dry sample	EPA 8260	02/20/02	DLB	
1,3,5-Trimethylbenzene	<100	ug/kg dry sample	EPA 8260	02/20/02	DLB	
1,3-Dichlorobenzene	<100	ug/kg dry sample	EPA 8260	02/20/02	DLB	
1,4-Dichlorobenzene	<100	ug/kg dry sample	EPA 8260	02/20/02	DLB	
2-Butanone	<750	ug/kg dry sample	EPA 8260	02/20/02	DLB	
2-Hexanone	<2500	ug/kg dry sample	EPA 8260	02/20/02	DLB	
2-Methylnaphthalene by 8260	<250	ug/kg dry sample	EPA 8260	02/20/02	DLB	
4-Methyl-2-pentanone	<2500	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Acetone	<750	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Acrylonitrile	<2500	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Benzene	<50	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Bromochloromethane	<100	ug/kg dry sample	EPA 8260	02/20/02	DLB	

LABORATORY DETAIL REPORT

Client: *Strebor, Inc.*

KAR Project No. : *020830*

Date Reported : *03/04/02*

Project Desc. : *Analysis of six soil samples.*

Sample ID : *"GP-33-3.0"*

Sampled By : *MMC of Strebor, Inc.*

Sample Date : *2/18/02*

Sample Time : *1350*

Date Received : *2/18/02*

Sample Type : *soil*

KAR Sample No. : *020830-06*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Bromodichloromethane	<100	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Bromoform	<100	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Bromomethane	<250	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Carbon disulfide	<250	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Carbon tetrachloride	<50	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Chlorobenzene	<50	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Chloroethane	<250	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Chloroform	<50	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Chloromethane	<250	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Cis-1,2-Dichloroethene	<50	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Cis-1,3-Dichloropropene	<50	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Dibromochloromethane	<100	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Dibromomethane	<250	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Dichlorodifluoromethane	<100	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Diethyl ether	<2500	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Ethylbenzene	<50	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Ethylene dibromide	<250	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Hexachloroethane by 8260	<250	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Isopropylbenzene	<250	ug/kg dry sample	EPA 8260	02/20/02	DLB	
M-and/or p-xylene	<100	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Methyl iodide	<100	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Methyl t-butyl ether (MTBE)	<250	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Methylene chloride	<250	ug/kg dry sample	EPA 8260	02/20/02	DLB	
N-Propylbenzene	<100	ug/kg dry sample	EPA 8260	02/20/02	DLB	
O-Xylene	<50	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Styrene	<50	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Tetrachloroethene	<50	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Toluene	<100	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Trans-1,2-Dichloroethene	<50	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Trans-1,3-Dichloropropene	<50	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Trans-1,4-Dichloro-2-butene	<50	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Trichloroethene	<50	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Trichlorofluoromethane	<100	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Vinyl chloride	<100	ug/kg dry sample	EPA 8260	02/20/02	DLB	
Prior. Poll. acids	See below		EPA 8270	02/21/02	KTL	
Prior. Poll. base-neutrals	See below		EPA 8270	02/21/02	KTL	
Prep, SV Acid/BN	Completed		EPA 3545	02/19/02	SAS	

LABORATORY DETAIL REPORT

Client: *Strebor, Inc.*

KAR Project No. : *020830*

Date Reported : *03/04/02*

Project Desc. : *Analysis of six soil samples.*

Sample ID : *"GP-33-3.0"*

Sampled By : *MMC of Strebor, Inc.*

Sample Date : *2/18/02*

Sample Time : *1350*

Date Received : *2/18/02*

Sample Type : *soil*

KAR Sample No. : *020830-06*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
1,2,4-Trichlorobenzene 8270	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
1,2-Dichlorobenzene by 8270	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
1,2-Diphenylhydrazine	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
1,3-Dichlorobenzene by 8270	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
1,4-Dichlorobenzene by 8270	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
2,3,7,8-TCDD by 8270	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
2,4,6-Trichlorophenol	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
2,4-Dichlorophenol	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
2,4-Dimethylphenol	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
2,4-Dinitrophenol	<660	ug/kg dry sample	EPA 8270	02/21/02	KTL	
2,4-Dinitrotoluene	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
2,6-Dinitrotoluene	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
2-Chloronaphthalene	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
2-Chlorophenol	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
2-Methyl-4,6-dinitrophenol	<660	ug/kg dry sample	EPA 8270	02/21/02	KTL	
2-Nitrophenol	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
3,3'-Dichlorobenzidine	<660	ug/kg dry sample	EPA 8270	02/21/02	KTL	
4-Bromophenyl phenyl ether	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
4-Chloro-3-methylphenol	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
4-Chlorophenyl phenyl ether	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
4-Nitrophenol	<660	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Acenaphthene	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Acenaphthylene	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Anthracene	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Benzidine	<1650	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Benzo(a)anthracene	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Benzo(a)pyrene	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Benzo(b)fluoranthene	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Benzo(ghi)perylene	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Benzo(k)fluoranthene	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Bis(2-chloroethoxy)methane	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Bis(2-chloroethyl)ether	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Bis(2-chloroisopropyl)ether	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Bis(2-ethylhexyl)phthalate	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Butylbenzyl phthalate	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Chrysene	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Di-N-butylphthalate	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	

LABORATORY DETAIL REPORT

Client: *Strebor, Inc.*

KAR Project No. : *020830*

Date Reported : *03/04/02*

Project Desc. : *Analysis of six soil samples.*

Sample ID : *"GP-33-3.0"*

Sampled By : *MMC of Strebor, Inc.*

Sample Date : *2/18/02*

Sample Time : *1350*

Date Received : *2/18/02*

Sample Type : *soil*

KAR Sample No. : *020830-06*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Di-n-Octyl phthalate	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Dibenzo(ah)anthracene	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Diethyl phthalate	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Dimethyl phthalate	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Fluoranthene	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Fluorene	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Hexachlorobenzene	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Hexachlorobutadiene	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Hexachlorocyclopentadiene	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Hexachloroethane	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Indeno(123cd)pyrene	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Isophorone	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
N-Nitrosodi-n-propylamine	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
N-Nitrosodimethylamine	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
N-Nitrosodiphenylamine	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Naphthalene by Method 8270	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Nitrobenzene	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Pentachlorophenol	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Phenanthrene	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Phenol	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	
Pyrene	<330	ug/kg dry sample	EPA 8270	02/21/02	KTL	

KAR *Laboratories, Inc. (616-381-9666)* **www.karlabs.com** (Client please complete shaded areas)

Client:

Strebor, Inc.
2305 Superior Avenue
Kalamazoo, MI 49001

Attn: Michael McClish

Phone: (616) 381-1100 Fax: (616) 381-2207

Project Name:

Project #

P.O. # 06212

Sampled by: ☐ KAR ☒ Client **Initials** MMC

Turnaround Time:
☒ 10-business days ☐ Emergency (quote)
☐ 5-business days (x 1.5)
☐ 3-business days (x 2.0) ☐ Monthly

Waste characterization: Yes (No)
Part 201: (Yes) No
Part 213: Yes (No)

Requested Analyses

KAR use only
Proj#: 020830
Login: AM
Date: 2/18/02
c-of-c (Y) N
labels (Y) N
LODs Y (N)
contain (Y) N
headspace Y ~~N~~
amount (Y) N
hold time (Y) N
rush cost Y (N)
preservation (Y) N
intact (Y) N

#	Sample Identification	Sample Info: Date	Time	Matrix	Sample Containers: Type	Size	#	VOCs - Method 8260*	SVOCs	RCRA Metals - Total	Remarks
	GP-28-3.5	2-18-02	10:30	Soil	Glass VOA	100ml 40ml	2 1	X	X	X	
	GP-29-3.0		11:05					X	X	X	
	GP-30-2.5		11:45					X	X	X	
	GP-31-2.5		12:40					X	X	X	
	GP-32-3.0		13:15					X	X	X	
	GP-33-3.0		13:50					X	X	X	

Relinquished By: Michael E. McClish
Received By: AM Mw
Date/Time: 2/18/02 3:50
Notes:

Relinquished By:
Received By:
Date/Time:

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DETERMINATION OF PCDD/PCDF LEVELS

Prepared for:
Baywest
Attn: Martin Wangensteen
5 Empire Drive
St. Paul, MN 55101

This report contains 28 pages.

The results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

Project: Chemical Analysis

Client Purchase Order Number: 06208

REPORT OF LABORATORY ANALYSIS

ACCREDITED IN ACCORDANCE WITH nelac

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REPORT OF: CHEMICAL ANALYSES

PROJECT: PCDD/PCDF ANALYSES

DATE: March 14, 2002

ISSUED TO: Baywest
Attn: Mr. Martin Wangensteen
5 Empire Drive
St. Paul, MN 55101

REPORT NO: 02-1054234

INTRODUCTION

This report presents the results from the analyses performed on six samples which were submitted by a representative of Baywest. The samples were analyzed for the presence or absence of polychlorinated dibenzo-p-dioxins (PCDDs) and dibenzofurans (PCDFs) using a modified version of USEPA Method 8290 as described below.

SAMPLE IDENTIFICATION

Client ID	Sample Type	Date Received	Pace ID
GP-28-3.5	Solid	02/19/02	103332391
GP-29-3.0	Solid	02/19/02	103332409
GP-30-2.5	Solid	02/19/02	103332417
GP-31-2.5	Solid	02/19/02	103332425
GP-32-3.0	Solid	02/19/02	103332433
Gp-33-3.0	Solid	02/19/02	103332441

METHODOLOGY

Sample Extraction

A portion of each sample was spiked with $^{13}C_{12}$-labeled PCDD/PCDF internal standards (Table 1) and extracted with toluene in a Soxhlet extractor. The extract was quantitatively transferred to a Kuderna-Danish concentrator, concentrated, and solvent exchanged to hexane. The hexane extract was then spiked with 2,3,7,8-TCDD-$^{37}Cl_4$ enrichment efficiency standard (Table 1) and processed through the analyte enrichment procedures described below. Moisture content was determined by taking an aliquot of each solid sample to constant weight in an oven.

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REPORT OF: CHEMICAL ANALYSES

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PROJECT: PCDD/PCDF ANALYSES **DATE:** March 14, 2002

 REPORT NO: 02-1054234

PCDD/PCDF Analyte Enrichment

The extraction procedure often removes a variety of compounds, in addition to the PCDDs and PCDFs, from the sample matrix. Some of these compounds can directly interfere with the analyses while others can overload the capillary column causing degradation in chromatographic resolution or sensitivity. The analyte enrichment steps described below are used to remove interferences from the extracts.

Each extract was diluted to 100 mL with hexane, transferred to a separatory funnel, and washed with 1N sodium hydroxide, concentrated sulfuric acid, and aqueous sodium chloride (5% w/v) as needed. The hexane extract was quantitatively transferred to a liquid chromatography column containing alternating layers of silica gel, 40% concentrated sulfuric acid on silica gel, and 33% 1 N sodium hydroxide on silica gel. The column was eluted with 90 mL of hexane and the entire eluate was collected and concentrated, under ambient conditions, to a volume of 1 mL.

Each extract was then fractionated on a liquid chromatography column containing 4 g of activated alumina. The column was eluted with 20 mL of hexane followed by 15 mL of 60% methylene chloride/hexane. The 60% methylene chloride/hexane fraction was concentrated to 1 mL under a stream of dry nitrogen and applied to the top of a chromatography column containing 1 g of 5% AX-21 activated carbon in silica gel. The column was eluted with two 2-mL portions of hexane, 2 mL of cyclohexane/methylene chloride (50:50 v/v) and cyclohexane/methanol/toluene (75:20:5 v/v) in the forward direction, and then with toluene in the reverse direction. The toluene fraction was collected, concentrated, spiked with recovery standards (1,2,3,4-TCDD-$^{13}C_{12}$ and 1,2,3,7,8,9-HxCDD-$^{13}C_{12}$) and taken to a final volume of 20 uL.

PCDD/PCDF Analyses

Each sample extract was analyzed for the presence of PCDDs and PCDFs using combined capillary column gas chromatography/high resolution mass spectrometry (HRGC/HRMS). The instrumentation consisted of a Hewlett Packard Model 6890 gas chromatograph interfaced to a Micromass Ultima high-resolution mass spectrometer. The capillary column was interfaced directly into the ion source of the mass spectrometer, thus providing the highest possible sensitivity while minimizing degradation of the chromatographic resolution.

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PCDD/PCDF Analyses (Cont.)

The mass spectrometer was operated in the electron impact ionization mode at a mass resolution of 10,000-11,000 (M/ΔM, 10 percent valley definition). This resolution is sufficient to resolve most interferences, such as PCBs, thus providing the highest level of confidence that the detected levels of PCDD/PCDF were not false positives resulting from interferences. Typical operating parameters for the HRGC/HRMS analyses are summarized in Table 2.

The data were acquired by selected-ion-recording (SIR) using groups of ion masses similar to those described in USEPA Method 8290. The five groups corresponded to the tetrachlorinated through octachlorinated congener classes. Each group contained two ion masses for the PCDDs, two ion masses for the PCDFs, the corresponding ion masses from the two isotopically labeled internal standards, and the ion mass characteristic of the polychlorinated diphenylether (PCDE) which, if present, could cause false responses in the dibenzofuran channels.

Each group of ion masses also contained a lock mass which was used by the data system to automatically correct the mass focus of the instrument. The data system determined the centroid of the lock mass during each data acquisition cycle and corrected the mass focus of the analyte and internal standard ion masses to assure that the centers of the mass peaks were being monitored.

The criteria used to judge positive responses for a PCDD/PCDF isomer included:

* Simultaneous response at both ion masses of the PCDD or PCDF
* Signal-to-noise ratio equal to or greater than 2.5:1.0 for both ion masses
* Chlorine isotope ratio within 15% of the theoretical value
* Chromatographic retention time within +/- 2 seconds of the expected retention time
* Chromatographic retention times within elution windows determined from analyses of standard mixtures
* Absence of simultaneous response in the PCDF and PCDPE ion traces

A list of the exact ion masses monitored for the determination of PCDD/PCDF isomers and the PCDE interferences is presented in Table 3. Also included are the theoretical chlorine isotope ratios for the ten congener classes.

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PROJECT: PCDD/PCDF ANALYSES **DATE:** March 14, 2002

 REPORT NO: 02-1054234

PCDD/PCDF Quantification and Calculations

The PCDD/PCDF isomers were quantified by comparison of their responses to the responses of the labeled internal standards. Relative response factors were calculated from analyses of standard mixtures containing representatives of each of the PCDD/PCDF congener classes at five concentration levels, and each of the internal standards at one concentration level, as shown in Table 4. The PCDD/PCDF response factors were calculated by comparing the sum of the responses from the two ion masses monitored for each chlorine congener class to the sum of the responses from the two ion masses of the corresponding isotopically labeled internal standard. The formula for the response factor calculation is:

$$Rf = \frac{An \times Qis}{Ais \times Qn}$$

where:

Rf = Response factor
An = Sum of integrated areas for native isomer
Qis = Quantity of labeled internal standard
Ais = Sum of integrated areas for labeled internal standard
Qn = Quantity of native isomer

The levels of PCDD/PCDF in each sample were quantified using the following equation:

$$C = \frac{An \times Qis}{Ais \times W \times Rf}$$

where:

C = Concentration of target isomer or congener class
An = Sum of integrated areas for the target isomer or congener class
Qis = Quantity of labeled internal standard added to the sample
Ais = Sum of integrated areas for the labeled internal standard
W = Sample amount
Rf = Response factor

REPORT OF LABORATORY ANALYSIS

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PCDD/PCDF Quantification and Calculations (Cont.)

Each pair of ion mass peaks in the selected-ion-current chromatograms was evaluated manually to determine if it met the criteria for a PCDD or PCDF isomer. Areas of all peaks exhibiting correct ion ratios, having retention times within the correct windows, and having areas corresponding to concentrations in the range covered by the initial calibration were then summed for calculations of total congener concentrations. The toxic equivalence of each sample was calculated using the factors listed in Table 5.

A limit of detection (LOD) based on producing a signal that is 2.5 times the noise level, was calculated for each undetected 2,3,7,8-substituted isomer of any tetra through octa chlorinated congener class. The noise heights used to calculate the detection limits were measured at the retention time of the specific isomer. The formula used for calculating the LOD is:

$$LOD = \frac{Hn \times Qis \times 2.5}{His \times W \times Rf}$$

where:

LOD = Single isomer limit of detection
Hn = Sum of noise heights at native isomer retention time
Qis = Quantity of labeled internal standard
His = Sum of peak heights for labeled internal standard
W = Sample amount
Rf = Response factor

The recovery of the 2,3,7,8-TCDD-$^{37}Cl_4$ enrichment efficiency standard and each $^{13}C_{12}$-labeled internal standard, relative to either 1,2,3,4-TCDD-$^{13}C_{12}$ or 1,2,3,7,8,9-HxCDD-$^{13}C_{12}$, was calculated using the following equation:

$$\%R = \frac{Ais \times Qrs \times 100\%}{Rfr \times Ars \times Qis}$$

where:

%R = Percent recovery of labeled internal standard
Ais = Sum of integrated areas of labeled internal standard
Qrs = Quantity of recovery standard
Ars = Sum of integrated areas of recovery standard
Rfr = Response factor of the specific labeled internal standard relative to the recovery standard
Qis = Quantity of the labeled internal standard congener added to the sample

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REPORT OF: CHEMICAL ANALYSES

PROJECT: PCDD/PCDF ANALYSES

DATE: March 14, 2002

REPORT NO: 02-1054234

Quality Control for PCDD/PCDF Analyses

The performance of the sample processing steps and the instrumentation are monitored on a routine basis. The procedures and criteria are summarized below.

One method blank and one laboratory spike sample are typically prepared with each ten samples of any given matrix. Recoveries of the native PCDD/PCDF analytes in the laboratory spike samples generally range from 70 to 130%. Recoveries of selected analytes outside this range do not invalidate the data but provide information, which is used by the laboratory to monitor recovery trends and to assure optimization of the method.

Internal standards are spiked into each sample prior to extraction in order to monitor the level of recovery, which is achieved for each individual sample. Acceptable recoveries range from 40 to 135 percent for the internal standards unless a deviation is due to variation in instrument response as a result of analytical interferences.

The resolution of the mass spectrometer is verified prior to each analysis to be 10,000 or greater. Hardcopies of the reference peaks are printed at the beginning and end of each analysis day. The resolving power of the DB-5MS chromatographic column is checked daily by analyzing a standard solution containing 2,3,7,8-TCDD and the adjacent TCDD isomers. The DB-225 column resolution is checked daily by analyzing a standard solution containing 2,3,7,8-TCDF and the adjacent TCDF isomers. Acceptable performance is achieved when 2,3,7,8-TCDD or 2,3,7,8-TCDF is resolved from the adjacent isomers by a valley of 25% or less. The group times for the selected-ion-monitoring data acquisitions are also checked daily by analyzing the column performance mix which has been modified to contain the first and last eluting isomers of each congener class. In this way one is assured of collecting data representative of the total PCDD/PCDF content and that the 2,3,7,8-substituted isomers are suitably resolved.

Initial calibrations are generated by analyzing standard solutions (see Table 4) containing target native and labeled PCDD/PCDF compounds. Response factors are calculated and averaged for each compound. These averages are used for quantification and for comparison to the daily continuing calibration. The relative standard deviation for each native compound must be 20% or less (30% or less for the labeled compounds) as specified in Method 8290. A continuing calibration standard is analyzed at the beginning and end of each 12-hour shift on days when initial calibrations are not performed. The initial calibration is considered to be valid when the response factors from the continuing calibration analysis fall to within the ranges specified in Method 8290.

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PROJECT: PCDD/PCDF ANALYSES **DATE:** March 14, 2002

 REPORT NO: 02-1054234

RESULTS

The results from the analyses are presented in the following:

Appendix A - Documentation
Appendix B - PCDD/PCDF Analysis Results

DISCUSSION

The recoveries of the isotopically-labeled PCDD/PCDF internal standards in the sample extracts generally ranged from 58-134% and indicate a level of efficiency through the extraction and enrichment steps that is considered typical for this matrix. Several internal standard recoveries were above the target limits for this method due to interferences from the high levels of native analytes in the samples. However, since the quantifications of the native 2,3,7,8-substituted isomers were based on isotope dilution, the data were automatically corrected for variation in recovery and accurate values were obtained.

The samples were found to contain compounds which interfere with the determination of co-eluting PCDD and PCDF isomers. Any affected 2,3,7,8-substituted isomers are flagged "E" or "I" on the data summary sheets.

A laboratory method blank was prepared and analyzed with the sample batch as part of our routine quality control procedures. The results, found at the beginning of Appendix B, show the blank to contain a trace level of OCDD. This level was below the calibration range of the method. The samples contained this isomer at levels 2-5 orders of magnitude higher than seen in the blank. In general, levels less than ten times the background are not considered statistically different from the background. This indicates that the sample processing procedures did not significantly impact the results of the analyses.

Laboratory and matrix spike samples were also prepared with the sample batch using sand or sample material that had been fortified with native standard materials. The results show that, with the exception of the analytes present in the material used for the matrix spikes, the spiked native compounds were recovered at 89-105%. The relative percent differences generally ranged from 0.0-16.2%. The higher RPDs for selected analytes suggest that the sample may not have been homogenous for all analytes. This indicates generally high degrees of accuracy and precision for these determinations.

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Phone: 612.607.1700
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REPORT OF: CHEMICAL ANALYSES

PROJECT: PCDD/PCDF ANALYSES **DATE:** March 14, 2002

 REPORT NO: 02-1054234

REMARKS

The sample extracts will be retained for a period of 30 days from the date of this report and then discarded unless other arrangements are made. The raw mass spectral data will be archived on magnetic tape for a period of not less than one year. Questions regarding the data contained in this report may be directed to the authors at the numbers provided below.

Pace Analytical Services, Inc.

Charles V. Sueper, Technical Director
High Resolution Mass Spectrometry
(612) 607-6387

Scott C. Unze
Project Manager, Dioxins
(612) 607-6383

REPORT OF LABORATORY ANALYSIS

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TABLE 1. Spike Levels of PCDD/PCDF Standards

Internal Standards	Spike Level (ng)
2,3,7,8-TCDF-$^{13}C_{12}$	2.0
2,3,7,8-TCDD-$^{13}C_{12}$	2.0
1,2,3,7,8-PeCDF-$^{13}C_{12}$	2.0
2,3,4,7,8-PeCDF-$^{13}C_{12}$	2.0
1,2,3,7,8-PeCDD-$^{13}C_{12}$	2.0
1,2,3,4,7,8-HxCDF-$^{13}C_{12}$	2.0
1,2,3,6,7,8-HxCDF-$^{13}C_{12}$	2.0
1,2,3,7,8,9-HxCDF-$^{13}C_{12}$	2.0
2,3,4,6,7,8-HxCDF-$^{13}C_{12}$	2.0
1,2,3,4,7,8-HxCDD-$^{13}C_{12}$	2.0
1,2,3,6,7,8-HxCDD-$^{13}C_{12}$	2.0
1,2,3,4,6,7,8-HpCDF-$^{13}C_{12}$	2.0
1,2,3,4,7,8,9-HpCDF-$^{13}C_{12}$	2.0
1,2,3,4,6,7,8-HpCDD-$^{13}C_{12}$	2.0
OCDD-$^{13}C_{12}$	4.0
Recovery Standards	
1,2,3,4-TCDD-$^{13}C_{12}$	2.0
1,2,3,7,8,9-HxCDD-$^{13}C_{12}$	2.0
Enrichment Efficiency Standard	
2,3,7,8-TCDD-$^{37}Cl_4$	0.2

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TABLE 2. High Resolution PCDD/PCDF Analyses
HRGC/HRMS Operating Parameters

Mass Resolution	10,000-11,000 (M/ΔM, 10% valley)
Electron Energy	32 electron volts
Accelerating Voltage	8,000 volts
Source Temperature	275°C
Preamplifier Gain	10^{-6} amp/volt
Multiplier Gain	~10^5
Chromatographic Column	60 M DB-5MS
Transfer Line Temperature	260°C
Injection Mode	Splitless
Carrier Gas	Helium
Carrier Flow Velocity	~30 cm/sec

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TABLE 3. Exact Ion Masses Monitored for the Determination of PCDDs, PCDFs, and PCDEs

Compound	Accurate Mass Mass 1	Mass 2	Theoretical Ratio Mass 1/Mass 2
Tetra-CDDs	319.8965	321.8936	0.77
Tetra-CDFs	303.9016	305.8987	0.77
Hexa-CDPEs	375.8364		
Penta-CDDs	355.8546	357.8517	1.54
Penta-CDFs	339.8597	341.8567	1.54
Hepta-CDPEs	409.7974		
Hexa-CDDs	389.8156	391.8127	1.23
Hexa-CDFs	373.8207	375.8178	1.23
Octa-CDPEs	445.7555		
Hepta-CDDs	423.7766	425.7737	1.03
Hepta-CDFs	407.7817	409.7788	1.03
Nona-CDPEs	479.7165		
Octa-CDD	457.7377	459.7347	0.88
Octa-CDF	441.7428	443.7398	0.88
Deca-CDPE	513.6775		

CDDs = Chlorinated Dibenzo-p-dioxins
CDFs = Chlorinated Dibenzofurans
CDPEs = Chlorinated Diphenylethers

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TABLE 4. High Resolution Calibration Solutions

	Concentration (pg/uL)				
Native CDDs/CDFs	**CS1**	**CS2**	**CS3**	**CS4**	**CS5**
2,3,7,8-TCDD	0.5	2	10	40	200
2,3,7,8 TCDF	0.5	2	10	40	200
1,2,3,7,8-PeCDD	2.5	10	50	200	1000
1,2,3,7,8-PeCDF	2.5	10	50	200	1000
2,3,4,7,8-PeCDF	2.5	10	50	200	1000
1,2,3,4,7,8-HxCDD	2.5	10	50	200	1000
1,2,3,6,7,8-HxCDD	2.5	10	50	200	1000
1,2,3,7,8,9-HxCDD	2.5	10	50	200	1000
1,2,3,4,7,8-HxCDF	2.5	10	50	200	1000
1,2,3,6,7,8-HxCDF	2.5	10	50	200	1000
1,2,3,7,8,9-HxCDF	2.5	10	50	200	1000
2,3,4,6,7,8-HxCDF	2.5	10	50	200	1000
1,2,3,4,6,7,8-HpCDD	2.5	10	50	200	1000
1,2,3,4,6,7,8-HpCDF	2.5	10	50	200	1000
1,2,3,4,7,8,9-HpCDF	2.5	10	50	200	1000
OCDD	5.0	20	100	400	2000
OCDF	5.0	20	100	400	2000
Internal Standards					
2,3,7,8-TCDD-$^{13}C_{12}$	100	100	100	100	100
2,3,7,8-TCDF-$^{13}C_{12}$	100	100	100	100	100
1,2,3,7,8-PeCDD-$^{13}C_{12}$	100	100	100	100	100
1,2,3,7,8-PeCDF-$^{13}C_{12}$	100	100	100	100	100
2,3,4,7,8-PeCDF-$^{13}C_{12}$	100	100	100	100	100
1,2,3,4,7,8-HxCDD-$^{13}C_{12}$	100	100	100	100	100
1,2,3,6,7,8-HxCDD-$^{13}C_{12}$	100	100	100	100	100
1,2,3,4,7,8-HxCDF-$^{13}C_{12}$	100	100	100	100	100
1,2,3,6,7,8-HxCDF-$^{13}C_{12}$	100	100	100	100	100
1,2,3,7,8,9-HxCDF-$^{13}C_{12}$	100	100	100	100	100
2,3,4,6,7,8-HxCDF-$^{13}C_{12}$	100	100	100	100	100
1,2,3,4,6,7,8-HpCDD-$^{13}C_{12}$	100	100	100	100	100
1,2,3,4,6,7,8-HpCDF-$^{13}C_{12}$	100	100	100	100	100
1,2,3,4,7,8,9-HpCDF-$^{13}C_{12}$	100	100	100	100	100
OCDD-$^{13}C_{12}$	200	200	200	200	200
Recovery Standards					
1,2,3,4-TCDD-$^{13}C_{12}$	100	100	100	100	100
1,2,3,7,8,9-HxCDD-$^{13}C_{12}$	100	100	100	100	100
Enrichment Efficiency Standard					
2,3,7,8-TCDD-$^{37}C1_4$	0.5	2	10	40	200

REPORT OF LABORATORY ANALYSIS

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TABLE 5. 2,3,7,8-TCDD Equivalency Factors (TEFs) for the Polychlorinated Dibenzo-p-dioxins and Dibenzofurans

Number	Compound(s)	TEF
1	2,3,7,8-TCDD	1.00
2	1,2,3,7,8-PeCDD	0.50
3	1,2,3,6,7,8-HxCDD	0.1
4	1,2,3,7,8,9-HxCDD	0.1
5	1,2,3,4,7,8-HxCDD	0.1
6	1,2,3,4,6,7,8-HpCDD	0.01
7	OCDD	0.001
8	* Total - TCDD	0.0
9	* Total - PeCDD	0.0
10	* Total - HxCDD	0.0
11	* Total - HpCDD	0.0
12	2,3,7,8-TCDF	0.10
13	1,2,3,7,8-PeCDF	0.05
14	2,3,4,7,8-PeCDF	0.5
15	1,2,3,6,7,8-HxCDF	0.1
16	1,2,3,7,8,9-HxCDF	0.1
17	1,2,3,4,7,8-HxCDF	0.1
18	2,3,4,6,7,8-HxCDF	0.1
19	1,2,3,4,6,7,8-HpCDF	0.01
20	1,2,3,4,7,8,9-HpCDF	0.01
21	OCDF	0.001
22	* Total - TCDF	0.0
23	* Total - PeCDF	0.0
24	* Total - HxCDF	0.0
25	* Total - HpCDF	0.0

*Excluding the 2,3,7,8-substituted congeners.

Reference: 1989 ITEFs

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Appendix A

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

616275

Page: 1 of 1

Section A — Required Client Information:

Company: Bay West, Inc.
Address: 5 Empire Dr.
St. Paul, MN 55103
Phone: 651-291-0436 Fax:

Section B — Required Client Information:

Report To: Martin Wangenstein
Copy To:
Invoice To:
P.O.: 06208
Project Name: Strebor, Inc.
Project Number: 5990088-4

Client Information (Check quote/contract):
Requested Due Date: *TAT:

* Turn around times less than 14 days subject to laboratory and contractual obligations and may result in a Rush Turnaround Surcharge.
Turn Around Time (TAT) in calendar days.

Section C — To Be Completed by Pace Analytical and Client

Quote Reference:
Project Manager: SCU
Project #: 1054234
Profile #: 2180

Section D — Required Client Information:

Valid Matrix Codes

MATRIX	CODE
WATER	WT
SOIL	SL
OIL	OL
WIPE	WP
AIR	AR
TISSUE	TS
OTHER	OT

ITEM #	SAMPLE ID (One character per box. (A–Z, 0–9 / .–) Sample IDs MUST BE UNIQUE)	MATRIX CODE	DATE COLLECTED (mm / dd / yy)	TIME COLLECTED (hh:mm a/p)	# Containers	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Requested Analysis: Dioxin/Furans	Remarks / Lab ID
1	GP-28-3.5	SL	02/18/02	10:30a	1	X								X	3332391
2	GP-29-3.0			11:05a										X	409
3	GP-30-2.5			11:45a										X	417
4	GP-31-2.5			12:40p										X	425
5	GP-32-3.0			01:15p										X	433
6	GP-33-3.0			01:50p										X	441
7															
8															
9															
10															
11															
12															

SHIPMENT METHOD	AIRBILL NO.	SHIPPING DATE	NO. OF COOLERS
FedEx - AB # 816307331836		2-18-02	1

ITEM NUMBER	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
1-6	Michael McClish - Bay West	2/18/02	15:00	[signature]	2/19	1000

SAMPLE CONDITION

Temp in °C	6
Received on Ice	(Y) N
Sealed Cooler	Y (N)
Samples Intact	(Y) N

SAMPLE NOTES

Additional Comments:

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Michael McClish
SIGNATURE of SAMPLER: [signature]
DATE Signed: (MM / DD / YY) 02-18-02

ORIGINAL

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Appendix B

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612- 607-6444

Method 8290 Blank Analysis Results

Client - BAYWEST

Lab Sample ID	BLANK-1489	Matrix	SOLID
Filename	F20305A_04	Dilution	NA
Total Amount Extracted	10.04 g	Extracted	02/28/2002
ICAL Date	01/24/2002	Analyzed	03/05/2002 14:55
CCal Filename(s)	F20305A_01 & F20305A_17	Injected By	CVS

Native Isomers	Conc ng/Kg	EMPC ng/Kg	LRL ng/Kg	Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	ND	-----	0.200	2,3,7,8-TCDF-13C	2.00	81
Total TCDF	ND	-----	0.200	2,3,7,8-TCDD-13C	2.00	71
				1,2,3,7,8-PeCDF-13C	2.00	87
2,3,7,8-TCDD	ND	-----	0.200	2,3,4,7,8-PeCDF-13C	2.00	79
Total TCDD	ND	-----	0.200	1,2,3,7,8-PeCDD-13C	2.00	78
				1,2,3,4,7,8-HxCDF-13C	2.00	111
1,2,3,7,8-PeCDF	ND	-----	1.000	1,2,3,6,7,8-HxCDF-13C	2.00	78
2,3,4,7,8-PeCDF	ND	-----	1.000	2,3,4,6,7,8-HxCDF-13C	2.00	85
Total PeCDF	ND	-----	1.000	1,2,3,7,8,9-HxCDF-13C	2.00	93
				1,2,3,4,7,8-HxCDD-13C	2.00	103
1,2,3,7,8-PeCDD	ND	-----	1.000	1,2,3,6,7,8-HxCDD-13C	2.00	79
Total PeCDD	ND	-----	1.000	1,2,3,4,6,7,8-HpCDF-13C	2.00	78
				1,2,3,4,7,8,9-HpCDF-13C	2.00	72
1,2,3,4,7,8-HxCDF	ND	-----	1.000	1,2,3,4,6,7,8-HpCDD-13C	2.00	72
1,2,3,6,7,8-HxCDF	ND	-----	1.000	OCDD-13C	4.00	71
2,3,4,6,7,8-HxCDF	ND	-----	1.000			
1,2,3,7,8,9-HxCDF	ND	-----	1.000	1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	ND	-----	1.000	1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	ND	-----	1.000	2,3,7,8-TCDD-37Cl4	0.20	79
1,2,3,6,7,8-HxCDD	ND	-----	1.000			
1,2,3,7,8,9-HxCDD	ND	-----	1.000			
Total HxCDD	ND	-----	1.000			
1,2,3,4,6,7,8-HpCDF	ND	-----	1.000	Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	ND	-----	1.000	Equivalence: 0.0056 ng/Kg		
Total HpCDF	ND	-----	1.000	(Using ITE Factors)		
1,2,3,4,6,7,8-HpCDD	ND	-----	1.000			
Total HpCDD	ND	-----	1.000			
OCDF	ND	-----	2.000			
OCDD	5.6	-----	2.000 J			

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
LRL = Lower Reporting Limit
J = Concentration detected is below the calibration range
P = Recovery outside of target range
A = Detection Limit based on signal-to-noise measurement

I = Interference
E = PCDE Interference
ND = Not Detected
NA = Not Applicable
NC = Not Calculated
* = See Discussion

Report No.....02-1054234

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612- 607-6444

Method 8290 Analysis Results

Client - BAYWEST

Client's Sample ID	GP-28-3.5		
Lab Sample ID	103332391		
Filename	U20305B_04		
Injected By	BAL		
Total Amount Extracted	12.33 g	Matrix	SOIL
% Moisture	15.3	Dilution	5
Dry Weight Extracted	10.4 g	Collected	02/18/2002
ICAL Date	03/05/2002	Received	02/19/2002
CCal Filename(s)	U20305A_18 & U20305B_16	Extracted	02/28/2002
Method Blank ID	BLANK-1489	Analyzed	03/06/2002 04:32

Native Isomers	Conc ng/Kg	EMPC ng/Kg	LRL ng/Kg		Internal Standards	ng's Added	Percent Recovery	
2,3,7,8-TCDF	78	-----	2.3	A	2,3,7,8-TCDF-13C	2.00	75	
Total TCDF	890	-----	0.96		2,3,7,8-TCDD-13C	2.00	69	
					1,2,3,7,8-PeCDF-13C	2.00	65	
2,3,7,8-TCDD	46	-----	2.8	A	2,3,4,7,8-PeCDF-13C	2.00	62	
Total TCDD	310	-----	0.96		1,2,3,7,8-PeCDD-13C	2.00	58	
					1,2,3,4,7,8-HxCDF-13C	2.00	110	
1,2,3,7,8-PeCDF	-----	160	4.8	E	1,2,3,6,7,8-HxCDF-13C	2.00	82	
2,3,4,7,8-PeCDF	400	-----	6.0	A	2,3,4,6,7,8-HxCDF-13C	2.00	88	
Total PeCDF	4000	-----	4.8		1,2,3,7,8,9-HxCDF-13C	2.00	77	
					1,2,3,4,7,8-HxCDD-13C	2.00	103	
1,2,3,7,8-PeCDD	130	-----	5.3	A	1,2,3,6,7,8-HxCDD-13C	2.00	69	
Total PeCDD	880	-----	4.8		1,2,3,4,6,7,8-HpCDF-13C	2.00	105	
					1,2,3,4,7,8,9-HpCDF-13C	2.00	97	
1,2,3,4,7,8-HxCDF	-----	8800	13.0	EA	1,2,3,4,6,7,8-HpCDD-13C	2.00	134	
1,2,3,6,7,8-HxCDF	810	-----	11.0	A	OCDD-13C	4.00	452	IP
2,3,4,6,7,8-HxCDF	1200	-----	11.0	A				
1,2,3,7,8,9-HxCDF	300	-----	4.8		1,2,3,4-TCDD-13C	2.00	NA	
Total HxCDF	53000	-----	4.8		1,2,3,7,8,9-HxCDD-13C	2.00	NA	
1,2,3,4,7,8-HxCDD	710	-----	4.8		2,3,7,8-TCDD-37Cl4	0.20	77	
1,2,3,6,7,8-HxCDD	5000	-----	5.8	A				
1,2,3,7,8,9-HxCDD	1100	-----	5.6	A				
Total HxCDD	21000	-----	4.8					
1,2,3,4,6,7,8-HpCDF	41000	-----	4.8		Total 2,3,7,8-TCDD			
1,2,3,4,7,8,9-HpCDF	1800	-----	4.9	A	Equivalence: 3500 ng/Kg			
Total HpCDF	170000	-----	4.8		(Using ITE Factors)			
1,2,3,4,6,7,8-HpCDD	130000	-----	4.8					
Total HpCDD	230000	-----	4.8					
OCDF	41000	-----	9.6					
OCDD	420000	-----	9.6					

Results reported on a dry weight basis
Conc = Concentration (Totals include 2,3,7,8-substituted isomers)
EMPC = Estimated Maximum Possible Concentration
A = Detection Limit based on signal-to-noise measurement
J = Concentration detected is below the calibration range
B = Less than 10 times higher than method blank level
P = Recovery outside of target range
Nn = Value obtained from additional analysis

LRL = Lower Reporting Limit
I = Interference
E = PCDE Interference
S = Saturated signal
ND = Not Detected
NA = Not Applicable
NC = Not Calculated
* = See Discussion

Report No.....02-1054234

REPORT OF LABORATORY ANALYSIS

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Tel: 612-607-1700
Fax: 612- 607-6444

Method 8290 Analysis Results

Client - BAYWEST

Client's Sample ID	GP-29-3.0		
Lab Sample ID	103332409		
Filename	U20305B_05		
Injected By	BAL		
Total Amount Extracted	11.33 g	Matrix	SOIL
% Moisture	11.6	Dilution	5
Dry Weight Extracted	10.0 g	Collected	02/18/2002
ICAL Date	03/05/2002	Received	02/19/2002
CCal Filename(s)	U20305A_18 & U20305B_16	Extracted	02/28/2002
Method Blank ID	BLANK-1489	Analyzed	03/06/2002 05:21

Native Isomers	Conc ng/Kg	EMPC ng/Kg	LRL ng/Kg		Internal Standards	ng's Added	Percent Recovery	
2,3,7,8-TCDF	53	-----	1.30	A	2,3,7,8-TCDF-13C	2.00	70	
Total TCDF	470	-----	1.00		2,3,7,8-TCDD-13C	2.00	67	
					1,2,3,7,8-PeCDF-13C	2.00	75	
2,3,7,8-TCDD	28	-----	2.20	A	2,3,4,7,8-PeCDF-13C	2.00	68	
Total TCDD	210	-----	1.00		1,2,3,7,8-PeCDD-13C	2.00	66	
					1,2,3,4,7,8-HxCDF-13C	2.00	97	
1,2,3,7,8-PeCDF	-----	150	5.00	E	1,2,3,6,7,8-HxCDF-13C	2.00	84	
2,3,4,7,8-PeCDF	310	-----	5.00		2,3,4,6,7,8-HxCDF-13C	2.00	84	
Total PeCDF	2100	-----	5.00		1,2,3,7,8,9-HxCDF-13C	2.00	74	
					1,2,3,4,7,8-HxCDD-13C	2.00	84	
1,2,3,7,8-PeCDD	59	-----	5.00		1,2,3,6,7,8-HxCDD-13C	2.00	78	
Total PeCDD	430	-----	5.00		1,2,3,4,6,7,8-HpCDF-13C	2.00	103	
					1,2,3,4,7,8,9-HpCDF-13C	2.00	93	
1,2,3,4,7,8-HxCDF	-----	5200	6.00	EA	1,2,3,4,6,7,8-HpCDD-13C	2.00	123	I
1,2,3,6,7,8-HxCDF	340	-----	6.80	A	OCDD-13C	4.00	277	IP
2,3,4,6,7,8-HxCDF	580	-----	5.40	A				
1,2,3,7,8,9-HxCDF	210	-----	6.90	A	1,2,3,4-TCDD-13C	2.00	NA	
Total HxCDF	36000	-----	5.00		1,2,3,7,8,9-HxCDD-13C	2.00	NA	
1,2,3,4,7,8-HxCDD	180	-----	7.80	A	2,3,7,8-TCDD-37Cl4	0.20	78	
1,2,3,6,7,8-HxCDD	3300	-----	5.00					
1,2,3,7,8,9-HxCDD	490	-----	7.20	A				
Total HxCDD	11000	-----	5.00					
1,2,3,4,6,7,8-HpCDF	31000	-----	5.00		Total 2,3,7,8-TCDD			
1,2,3,4,7,8,9-HpCDF	1100	-----	8.50	A	Equivalence: 2300 ng/Kg			
Total HpCDF	120000	-----	5.00		(Using ITE Factors)			
1,2,3,4,6,7,8-HpCDD	89000	-----	5.20	A				
Total HpCDD	130000	-----	5.00					
OCDF	49000	-----	10.00					
OCDD	350000	-----	10.00					

Results reported on a dry weight basis
Conc = Concentration (Totals include 2,3,7,8-substituted isomers)
EMPC = Estimated Maximum Possible Concentration
A = Detection Limit based on signal-to-noise measurement
J = Concentration detected is below the calibration range
B = Less than 10 times higher than method blank level
P = Recovery outside of target range
Nn = Value obtained from additional analysis

LRL = Lower Reporting Limit
I = Interference
E = PCDE Interference
S = Saturated signal
ND = Not Detected
NA = Not Applicable
NC = Not Calculated
* = See Discussion

Report No.....02-1054234

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612- 607-6444

Method 8290 Analysis Results

Client - BAYWEST

Client's Sample ID	GP-30-2.5		
Lab Sample ID	103332417		
Filename	U20305B_13		
Injected By	CVS		
Total Amount Extracted	11.58 g	Matrix	SOIL
% Moisture	11.2	Dilution	NA
Dry Weight Extracted	10.3 g	Collected	02/18/2002
ICAL Date	03/05/2002	Received	02/19/2002
CCal Filename(s)	U20305A_18 & U20305B_16	Extracted	02/28/2002
Method Blank ID	BLANK-1489	Analyzed	03/06/2002 12:19

Native Isomers	Conc ng/Kg	EMPC ng/Kg	LRL ng/Kg		Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	1.0	-----	0.54	A	2,3,7,8-TCDF-13C	2.00	77
Total TCDF	20.0	-----	0.19		2,3,7,8-TCDD-13C	2.00	68
					1,2,3,7,8-PeCDF-13C	2.00	78
2,3,7,8-TCDD	4.3	-----	0.90	A	2,3,4,7,8-PeCDF-13C	2.00	71
Total TCDD	33.0	-----	0.19		1,2,3,7,8-PeCDD-13C	2.00	73
					1,2,3,4,7,8-HxCDF-13C	2.00	96
1,2,3,7,8-PeCDF	-----	6.1	0.97	E	1,2,3,6,7,8-HxCDF-13C	2.00	80
2,3,4,7,8-PeCDF	3.9	-----	0.97	J	2,3,4,6,7,8-HxCDF-13C	2.00	85
Total PeCDF	54.0	-----	0.97		1,2,3,7,8,9-HxCDF-13C	2.00	84
					1,2,3,4,7,8-HxCDD-13C	2.00	94
1,2,3,7,8-PeCDD	4.6	-----	0.97	J	1,2,3,6,7,8-HxCDD-13C	2.00	71
Total PeCDD	92.0	-----	0.97		1,2,3,4,6,7,8-HpCDF-13C	2.00	79
					1,2,3,4,7,8,9-HpCDF-13C	2.00	74
1,2,3,4,7,8-HxCDF	-----	20.0	0.97	E	1,2,3,4,6,7,8-HpCDD-13C	2.00	79
1,2,3,6,7,8-HxCDF	7.1	-----	0.97		OCDD-13C	4.00	76
2,3,4,6,7,8-HxCDF	5.5	-----	0.97				
1,2,3,7,8,9-HxCDF	-----	1.4	0.97	I	1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	180.0	-----	0.97		1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	5.2	-----	0.97		2,3,7,8-TCDD-37Cl4	0.20	76
1,2,3,6,7,8-HxCDD	35.0	-----	0.97				
1,2,3,7,8,9-HxCDD	16.0	-----	0.97				
Total HxCDD	610.0	-----	0.97				
1,2,3,4,6,7,8-HpCDF	160.0	-----	0.97		Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	6.5	-----	0.97		Equivalence: 38 ng/Kg		
Total HpCDF	420.0	-----	0.97		(Using ITE Factors)		
1,2,3,4,6,7,8-HpCDD	900.0	-----	1.40	A			
Total HpCDD	1900.0	-----	0.97				
OCDF	290.0	-----	1.90				
OCDD	12000.0	-----	1.90				

Results reported on a dry weight basis
Conc = Concentration (Totals include 2,3,7,8-substituted isomers)
EMPC = Estimated Maximum Possible Concentration
A = Detection Limit based on signal-to-noise measurement
J = Concentration detected is below the calibration range
B = Less than 10 times higher than method blank level
P = Recovery outside of target range
Nn = Value obtained from additional analysis

LRL = Lower Reporting Limit
I = Interference
E = PCDE Interference
S = Saturated signal
ND = Not Detected
NA = Not Applicable
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* = See Discussion

Report No.....02-1054234

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612- 607-6444

Pace Analytical™

Method 8290 Analysis Results

Client - BAYWEST

Client's Sample ID	GP-31-2.5		
Lab Sample ID	103332425		
Filename	U20305B_14		
Injected By	CVS		
Total Amount Extracted	11.73 g	Matrix	SOIL
% Moisture	12.5	Dilution	NA
Dry Weight Extracted	10.3 g	Collected	02/18/2002
ICAL Date	03/05/2002	Received	02/19/2002
CCal Filename(s)	U20305A_18 & U20305B_16	Extracted	02/28/2002
Method Blank ID	BLANK-1489	Analyzed	03/06/2002 13:09

Native Isomers	Conc ng/kg	EMPC ng/kg	LRL ng/kg		Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	0.50	-----	0.39	JA	2,3,7,8-TCDF-13C	2.00	69
Total TCDF	2.40	-----	0.19		2,3,7,8-TCDD-13C	2.00	61
					1,2,3,7,8-PeCDF-13C	2.00	74
2,3,7,8-TCDD	-----	0.62	0.36	IA	2,3,4,7,8-PeCDF-13C	2.00	65
Total TCDD	2.10	-----	0.19		1,2,3,7,8-PeCDD-13C	2.00	68
					1,2,3,4,7,8-HxCDF-13C	2.00	89
1,2,3,7,8-PeCDF	1.20	-----	0.97	J	1,2,3,6,7,8-HxCDF-13C	2.00	84
2,3,4,7,8-PeCDF	ND	-----	0.97		2,3,4,6,7,8-HxCDF-13C	2.00	83
Total PeCDF	9.60	-----	0.97		1,2,3,7,8,9-HxCDF-13C	2.00	80
					1,2,3,4,7,8-HxCDD-13C	2.00	84
1,2,3,7,8-PeCDD	1.30	-----	0.97	J	1,2,3,6,7,8-HxCDD-13C	2.00	73
Total PeCDD	18.00	-----	0.97		1,2,3,4,6,7,8-HpCDF-13C	2.00	78
					1,2,3,4,7,8,9-HpCDF-13C	2.00	73
1,2,3,4,7,8-HxCDF	-----	5.70	0.97	E	1,2,3,4,6,7,8-HpCDD-13C	2.00	77
1,2,3,6,7,8-HxCDF	1.50	-----	0.97	J	OCDD-13C	4.00	64
2,3,4,6,7,8-HxCDF	1.40	-----	0.97	J			
1,2,3,7,8,9-HxCDF	ND	-----	0.97		1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	33.00	-----	0.97		1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	1.30	-----	0.97	J	2,3,7,8-TCDD-37Cl4	0.20	70
1,2,3,6,7,8-HxCDD	7.10	-----	0.97				
1,2,3,7,8,9-HxCDD	3.50	-----	0.97	J			
Total HxCDD	110.00	-----	0.97				
1,2,3,4,6,7,8-HpCDF	32.00	-----	0.97		Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	1.50	-----	0.97	J	Equivalence: 6.2 ng/kg		
Total HpCDF	82.00	-----	0.97		(Using ITE Factors)		
1,2,3,4,6,7,8-HpCDD	160.00	-----	1.00	A			
Total HpCDD	340.00	-----	0.97				
OCDF	56.00	-----	1.90				
OCDD	1900.00	-----	1.90				

Results reported on a dry weight basis
Conc = Concentration (Totals include 2,3,7,8-substituted isomers)
EMPC = Estimated Maximum Possible Concentration
A = Detection Limit based on signal-to-noise measurement
J = Concentration detected is below the calibration range
B = Less than 10 times higher than method blank level
P = Recovery outside of target range
Nn = Value obtained from additional analysis

LRL = Lower Reporting Limit
I = Interference
E = PCDE Interference
S = Saturated signal
ND = Not Detected
NA = Not Applicable
NC = Not Calculated
* = See Discussion

Report No.....02-1054234

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612- 607-6444

Method 8290 Analysis Results

Client - BAYWEST

Client's Sample ID	GP-32-3.0		
Lab Sample ID	103332433		
Filename	U20305A_15		
Injected By	BAL		
Total Amount Extracted	11.7 g	Matrix	SOIL
% Moisture	11.3	Dilution	5
Dry Weight Extracted	10.4 g	Collected	02/18/2002
ICAL Date	03/05/2002	Received	02/19/2002
CCal Filename(s)	U20305A_06 & U20305A_18	Extracted	02/28/2002
Method Blank ID	BLANK-1489	Analyzed	03/05/2002 22:45

Native Isomers	Conc ng/Kg	EMPC ng/Kg	LRL ng/Kg		Internal Standards	ng's Added	Percent Recovery	
2,3,7,8-TCDF	ND	-----	1.2	A	2,3,7,8-TCDF-13C	2.00	80	
Total TCDF	ND	-----	0.96		2,3,7,8-TCDD-13C	2.00	79	
					1,2,3,7,8-PeCDF-13C	2.00	77	
2,3,7,8-TCDD	ND	-----	1.8	A	2,3,4,7,8-PeCDF-13C	2.00	74	
Total TCDD	ND	-----	0.96		1,2,3,7,8-PeCDD-13C	2.00	79	
					1,2,3,4,7,8-HxCDF-13C	2.00	114	
1,2,3,7,8-PeCDF	ND	-----	4.8		1,2,3,6,7,8-HxCDF-13C	2.00	85	
2,3,4,7,8-PeCDF	ND	-----	4.8		2,3,4,6,7,8-HxCDF-13C	2.00	96	
Total PeCDF	9.2	-----	4.8	J	1,2,3,7,8,9-HxCDF-13C	2.00	91	
					1,2,3,4,7,8-HxCDD-13C	2.00	116	
1,2,3,7,8-PeCDD	ND	-----	4.8		1,2,3,6,7,8-HxCDD-13C	2.00	81	
Total PeCDD	18.0	-----	4.8	J	1,2,3,4,6,7,8-HpCDF-13C	2.00	97	
					1,2,3,4,7,8,9-HpCDF-13C	2.00	104	
1,2,3,4,7,8-HxCDF	-----	34.0	4.8	E	1,2,3,4,6,7,8-HpCDD-13C	2.00	108	
1,2,3,6,7,8-HxCDF	ND	-----	4.8		OCDD-13C	4.00	145	P
2,3,4,6,7,8-HxCDF	ND	-----	4.8					
1,2,3,7,8,9-HxCDF	ND	-----	4.8		1,2,3,4-TCDD-13C	2.00	NA	
Total HxCDF	45.0	-----	4.8		1,2,3,7,8,9-HxCDD-13C	2.00	NA	
1,2,3,4,7,8-HxCDD	-----	6.7	4.8	I	2,3,7,8-TCDD-37Cl4	0.20	96	
1,2,3,6,7,8-HxCDD	35.0	-----	4.8					
1,2,3,7,8,9-HxCDD	10.0	-----	4.8	J				
Total HxCDD	350.0	-----	4.8					
1,2,3,4,6,7,8-HpCDF	78.0	-----	4.8		Total 2,3,7,8-TCDD			
1,2,3,4,7,8,9-HpCDF	8.9	-----	4.8	J	Equivalence: 53 ng/Kg			
Total HpCDF	290.0	-----	4.8		(Using ITE Factors)			
1,2,3,4,6,7,8-HpCDD	1100.0	-----	4.8					
Total HpCDD	2700.0	-----	4.8					
OCDF	260.0	-----	9.6					
OCDD	36000.0	-----	9.6					

Results reported on a dry weight basis
Conc = Concentration (Totals include 2,3,7,8-substituted isomers)
EMPC = Estimated Maximum Possible Concentration
A = Detection Limit based on signal-to-noise measurement
J = Concentration detected is below the calibration range
B = Less than 10 times higher than method blank level
P = Recovery outside of target range
Nn = Value obtained from additional analysis

LRL = Lower Reporting Limit
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E = PCDE Interference
S = Saturated signal
ND = Not Detected
NA = Not Applicable
NC = Not Calculated
* = See Discussion

Report No.....02-1054234

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612- 607-6444

Method 8290 Analysis Results

Client - BAYWEST

Client's Sample ID	GP-33-3.0		
Lab Sample ID	103332441		
Filename	U20305B_11		
Injected By	CVS		
Total Amount Extracted	12.86 g	Matrix	SOIL
% Moisture	20.2	Dilution	NA
Dry Weight Extracted	10.3 g	Collected	02/18/2002
ICAL Date	03/05/2002	Received	02/19/2002
CCal Filename(s)	U20305A_18 & U20305B_16	Extracted	02/28/2002
Method Blank ID	BLANK-1489	Analyzed	03/06/2002 10:42

Native Isomers	Conc ng/Kg	EMPC ng/Kg	LRL ng/Kg		Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	-----	0.43	0.59	IA	2,3,7,8-TCDF-13C	2.00	73
Total TCDF	12.0	-----	0.19		2,3,7,8-TCDD-13C	2.00	66
					1,2,3,7,8-PeCDF-13C	2.00	69
2,3,7,8-TCDD	ND	-----	0.55	A	2,3,4,7,8-PeCDF-13C	2.00	67
Total TCDD	4.4	-----	0.19		1,2,3,7,8-PeCDD-13C	2.00	71
					1,2,3,4,7,8-HxCDF-13C	2.00	83
1,2,3,7,8-PeCDF	-----	1.60	0.97	I	1,2,3,6,7,8-HxCDF-13C	2.00	82
2,3,4,7,8-PeCDF	1.6	-----	0.97	J	2,3,4,6,7,8-HxCDF-13C	2.00	81
Total PeCDF	25.0	-----	0.97		1,2,3,7,8,9-HxCDF-13C	2.00	79
					1,2,3,4,7,8-HxCDD-13C	2.00	85
1,2,3,7,8-PeCDD	4.8	-----	0.97	J	1,2,3,6,7,8-HxCDD-13C	2.00	73
Total PeCDD	27.0	-----	0.97		1,2,3,4,6,7,8-HpCDF-13C	2.00	81
					1,2,3,4,7,8,9-HpCDF-13C	2.00	77
1,2,3,4,7,8-HxCDF	-----	28.00	0.97	E	1,2,3,4,6,7,8-HpCDD-13C	2.00	82
1,2,3,6,7,8-HxCDF	7.6	-----	0.97		OCDD-13C	4.00	84
2,3,4,6,7,8-HxCDF	5.6	-----	0.97				
1,2,3,7,8,9-HxCDF	ND	-----	0.97		1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	70.0	-----	0.97		1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	8.8	-----	0.97		2,3,7,8-TCDD-37Cl4	0.40	79
1,2,3,6,7,8-HxCDD	35.0	-----	1.20	A			
1,2,3,7,8,9-HxCDD	19.0	-----	0.98	A			
Total HxCDD	220.0	-----	0.97				
1,2,3,4,6,7,8-HpCDF	74.0	-----	0.97		Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	5.1	-----	0.97		Equivalence: 30 ng/Kg		
Total HpCDF	180.0	-----	0.97		(Using ITE Factors)		
1,2,3,4,6,7,8-HpCDD	810.0	-----	1.20	A			
Total HpCDD	1500.0	-----	0.97				
OCDF	130.0	-----	1.90				
OCDD	10000.0	-----	1.90				

Results reported on a dry weight basis
Conc = Concentration (Totals include 2,3,7,8-substituted isomers)
EMPC = Estimated Maximum Possible Concentration
A = Detection Limit based on signal-to-noise measurement
J = Concentration detected is below the calibration range
B = Less than 10 times higher than method blank level
P = Recovery outside of target range
Nn = Value obtained from additional analysis

LRL = Lower Reporting Limit
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E = PCDE Interference
S = Saturated signal
ND = Not Detected
NA = Not Applicable
NC = Not Calculated
* = See Discussion

Report No.....02-1054234

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612- 607-6444

Pace Analytical™

Method 8290 Laboratory Control Spike Results

Client - BAYWEST

Lab Sample ID	SPIKE-1498		
Filename	F20305A_02	Matrix	SOLID
Total Amount Extracted	10.61 g	Dilution	NA
ICAL Date	01/24/2002	Extracted	02/28/2002
CCal Filename(s)	F20305A_01 & F20305A_17	Analyzed	03/05/2002 12:42
Method Blank ID	BLANK-1489	Injected By	MASB

Native Isomers	Qs (ng)	Qm (ng)	% Rec.	Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	0.20	0.19	97	2,3,7,8-TCDF-13C	2.00	79
				2,3,7,8-TCDD-13C	2.00	68
				1,2,3,7,8-PeCDF-13C	2.00	82
2,3,7,8-TCDD	0.20	0.20	102	2,3,4,7,8-PeCDF-13C	2.00	77
				1,2,3,7,8-PeCDD-13C	2.00	76
				1,2,3,4,7,8-HxCDF-13C	2.00	104
1,2,3,7,8-PeCDF	1.00	0.94	94	1,2,3,6,7,8-HxCDF-13C	2.00	78
2,3,4,7,8-PeCDF	1.00	0.93	93	2,3,4,6,7,8-HxCDF-13C	2.00	88
				1,2,3,7,8,9-HxCDF-13C	2.00	89
				1,2,3,4,7,8-HxCDD-13C	2.00	104
1,2,3,7,8-PeCDD	1.00	1.01	101	1,2,3,6,7,8-HxCDD-13C	2.00	74
				1,2,3,4,6,7,8-HpCDF-13C	2.00	77
				1,2,3,4,7,8,9-HpCDF-13C	2.00	74
1,2,3,4,7,8-HxCDF	1.00	0.90	90	1,2,3,4,6,7,8-HpCDD-13C	2.00	72
1,2,3,6,7,8-HxCDF	1.00	0.93	93	OCDD-13C	4.00	75
2,3,4,6,7,8-HxCDF	1.00	0.93	93			
1,2,3,7,8,9-HxCDF	1.00	0.89	89	1,2,3,4-TCDD-13C	2.00	NA
				1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	1.00	0.98	98	2,3,7,8-TCDD-37Cl4	0.20	78
1,2,3,6,7,8-HxCDD	1.00	0.99	99			
1,2,3,7,8,9-HxCDD	1.00	1.01	101			
1,2,3,4,6,7,8-HpCDF	1.00	1.01	101			
1,2,3,4,7,8,9-HpCDF	1.00	1.04	104			
1,2,3,4,6,7,8-HpCDD	1.00	1.05	105			
OCDF	2.00	1.85	93			
OCDD	2.00	2.09	104			

Qs = Quantity Spiked
Qm = Quantity Measured
Rec. = Recovery (Expressed as Percent)
P = Recovery outside of target range
X = Background subtracted value
Nn = Value obtained from additional analysis
NA = Not Applicable
* = See Discussion

Report No.....02-1054234

REPORT OF LABORATORY ANALYSIS

Pace Analytical™

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612- 607-6444

Method 8290 Spike Sample Results

Client - BAYWEST

Client's Sample ID	GP-30-2.5-MS		
Lab Sample ID	103332417-MS		
Filename	U20305A_16	Matrix	SOIL
Total Amount Extracted	11.38 g	Dilution	5
ICAL Date	03/05/2002	Extracted	02/28/2002
CCal Filename(s)	U20305A_06 & U20305A_18	Analyzed	03/05/2002 23:34
Method Blank ID	BLANK-1489	Injected By	BAL

Native Isomers	Qs (ng)	Qm (ng)	% Rec.	Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	0.20	0.21	107	2,3,7,8-TCDF-13C	2.00	63
				2,3,7,8-TCDD-13C	2.00	62
				1,2,3,7,8-PeCDF-13C	2.00	70
2,3,7,8-TCDD	0.20	0.27	133	2,3,4,7,8-PeCDF-13C	2.00	61
				1,2,3,7,8-PeCDD-13C	2.00	66
				1,2,3,4,7,8-HxCDF-13C	2.00	88
1,2,3,7,8-PeCDF	1.00	1.06	106	1,2,3,6,7,8-HxCDF-13C	2.00	71
2,3,4,7,8-PeCDF	1.00	1.06	106	2,3,4,6,7,8-HxCDF-13C	2.00	79
				1,2,3,7,8,9-HxCDF-13C	2.00	73
				1,2,3,4,7,8-HxCDD-13C	2.00	101
1,2,3,7,8-PeCDD	1.00	1.02	102	1,2,3,6,7,8-HxCDD-13C	2.00	65
				1,2,3,4,6,7,8-HpCDF-13C	2.00	81
				1,2,3,4,7,8,9-HpCDF-13C	2.00	78
1,2,3,4,7,8-HxCDF	1.00	1.35	135	1,2,3,4,6,7,8-HpCDD-13C	2.00	89
1,2,3,6,7,8-HxCDF	1.00	1.06	106	OCDD-13C	4.00	94
2,3,4,6,7,8-HxCDF	1.00	1.11	111			
1,2,3,7,8,9-HxCDF	1.00	1.02	102	1,2,3,4-TCDD-13C	2.00	NA
				1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	1.00	1.06	106	2,3,7,8-TCDD-37Cl4	0.20	73
1,2,3,6,7,8-HxCDD	1.00	1.39	139			
1,2,3,7,8,9-HxCDD	1.00	1.19	119			
1,2,3,4,6,7,8-HpCDF	1.00	2.82	282			
1,2,3,4,7,8,9-HpCDF	1.00	1.12	112			
1,2,3,4,6,7,8-HpCDD	1.00	8.99	899			
OCDF	2.00	5.34	267			
OCDD	2.00	130.51	6525			

Qs = Quantity Spiked
Qm = Quantity Measured
Rec. = Recovery (Expressed as Percent)
P = Recovery outside of target range of 40-135%
X = Background subtracted value
E = PCDE Interference
Nn = Value obtained from additional analysis
NA = Not Applicable
* = See Discussion

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Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612- 607-6444

Pace Analytical™

Method 8290 Spike Sample Results

Client - BAYWEST

Client's Sample ID	GP-30-2.5-MSD		
Lab Sample ID	103332417-MSD		
Filename	U20305A_17	Matrix	SOIL
Total Amount Extracted	11.9 g	Dilution	5
ICAL Date	03/05/2002	Extracted	02/28/2002
CCal Filename(s)	U20305A_06 & U20305A_18	Analyzed	03/06/2002 00:24
Method Blank ID	BLANK-1489	Injected By	BAL

Native Isomers	Qs (ng)	Qm (ng)	% Rec.	Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	0.20	0.21	105	2,3,7,8-TCDF-13C	2.00	69
				2,3,7,8-TCDD-13C	2.00	67
				1,2,3,7,8-PeCDF-13C	2.00	66
2,3,7,8-TCDD	0.20	0.26	130	2,3,4,7,8-PeCDF-13C	2.00	66
				1,2,3,7,8-PeCDD-13C	2.00	68
				1,2,3,4,7,8-HxCDF-13C	2.00	99
1,2,3,7,8-PeCDF	1.00	1.10	110	1,2,3,6,7,8-HxCDF-13C	2.00	73
2,3,4,7,8-PeCDF	1.00	1.01	101	2,3,4,6,7,8-HxCDF-13C	2.00	81
				1,2,3,7,8,9-HxCDF-13C	2.00	80
				1,2,3,4,7,8-HxCDD-13C	2.00	110
1,2,3,7,8-PeCDD	1.00	1.06	106	1,2,3,6,7,8-HxCDD-13C	2.00	61
				1,2,3,4,6,7,8-HpCDF-13C	2.00	87
				1,2,3,4,7,8,9-HpCDF-13C	2.00	79
1,2,3,4,7,8-HxCDF	1.00	1.37	137	1,2,3,4,6,7,8-HpCDD-13C	2.00	84
1,2,3,6,7,8-HxCDF	1.00	1.03	103	OCDD-13C	4.00	100
2,3,4,6,7,8-HxCDF	1.00	1.14	114			
1,2,3,7,8,9-HxCDF	1.00	1.04	104	1,2,3,4-TCDD-13C	2.00	NA
				1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	1.00	1.06	106	2,3,7,8-TCDD-37Cl4	0.20	80
1,2,3,6,7,8-HxCDD	1.00	1.80	180			
1,2,3,7,8,9-HxCDD	1.00	1.40	140			
1,2,3,4,6,7,8-HpCDF	1.00	3.08	308			
1,2,3,4,7,8,9-HpCDF	1.00	1.15	115			
1,2,3,4,6,7,8-HpCDD	1.00	14.09	1409			
OCDF	2.00	5.68	284			
OCDD	2.00	179.59	8980			

Qs = Quantity Spiked
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Rec. = Recovery (Expressed as Percent)
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MS/MSD RECOVERY RELATIVE PERCENT DIFFERENCE (RPD) RESULTS

Client..... BAYWEST

MS ID..... GP-30-2.5-MS
MS Filename..... U20305A_16
MSD ID..... GP-30-2.5-MSD
MSD Filename..... U20305A_17

COMPOUND	MS REC,%	MSD REC,%	RPD,%
2378-TCDF	107	105	1.9
2378-TCDD	133	130	2.3
12378-PeCDF	106	110	3.7
23478-PeCDF	106	101	4.8
12378-PeCDD	102	106	3.8
123478-HxCDF	135	137	1.5
123678-HxCDF	106	103	2.9
234678-HxCDF	111	114	2.7
123789-HxCDF	102	104	1.9
123478-HxCDD	106	106	0.0
123678-HxCDD	139	180	25.7
123789-HxCDD	119	140	16.2
1234678-HpCDF	282	308	8.8
1234789-HpCDF	112	115	2.6
1234678-HpCDD	899	1409	44.2
OCDF	267	284	6.2
OCDD	6525	8980	31.7

REC = Percent Recovered
RPD = The difference between the two values divided by the average.
NA = Not Applicable
MS = Matrix Spike
MSD = Matrix Spike Duplicate

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REPORT OF LABORATORY ANALYSIS