Century Testing Laboratories, Inc.

LABORATORY ANALYSIS

REIDEL ENVIRONMENTAL SERVICES
Foot of North Portsmouth
Portland, OR 97203

ATTN: Robert Keesee

DATE: 9-11-87
DATE RECEIVED: 8-25-87
DATE SAMPLED: 8-17-87
SAMPLED BY: Client

CTL NO: 1867-10

SAMPLE DESCRIPTION: 87340327 Halogen Liquid Composite

PARAMETER	RESULT	UNITS
pH	5	
FLASHPOINT	161	°F
*TOX	1430	ppm
EP TOX CADMIUM	< 0.01	mg/L
EP TOX CHROMIUM	< 0.01	mg/L
EP TOX SILVER	< 0.01	mg/L
EP TOX LEAD	< 0.05	mg/L
EP TOX ARSENIC	< 0.005	mg/L
EP TOX SELENIUM	< 0.005	mg/L
EP TOX MERCURY	< 0.001	mg/L
EP TOX BARIUM	< 0.05	mg/L

*All 12 samples have been extracted using EPA Method 624,625 (Document #600/4/84-008). These TOX are therefore EOX.

CENTURY TESTING LABORATORIES, INC.

Mel Lindbeck

1.9.4.2

USEPA SF
1025383

31069

P.O. BOX 1174 • BEND, OR 97709 • (503) 382-6432
Water • Feed • Soils • Construction Materials • General Analytical Services.

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

87340327

Lab Name: CTL Bend, OR Contract: _____

Lab Code: CENTST Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) LIQUID Lab Sample ID: 1867-10

Sample wt/vol: .00005 (g/mL) L Lab File ID: 1867_10

Level: (low/med) MED Date Received: 08/25/87

% Moisture: not dec. _____ Date Analyzed: 09/03/87

Column: (pack/cap) PACK Dilution Factor: .0002

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	1,000,000	U
74-83-9	Bromomethane	1,000,000	U
75-01-4	Vinyl Chloride	1,000,000	U
75-00-3	Chloroethane	1,000,000	U
75-09-2	Methylene Chloride	9,570,000	
67-64-1	Acetone	1,000,000	U
75-15-0	Carbon Disulfide	500,000	U
75-35-4	1,1-Dichloroethene	500,000	U
75-34-3	1,1-Dichloroethane	500,000	U
540-59-0	1,2-Dichloroethene (total)	500,000	U
67-66-3	Chloroform	500,000	U
107-06-2	1,2-Dichloroethane	500,000	U
78-93-3	2-Butanone	1,000,000	U
71-55-6	1,1,1-Trichloroethane	500,000	U
56-23-5	Carbon Tetrachloride	500,000	U
108-05-4	Vinyl Acetate	500,000	U
75-27-4	Bromodichloromethane	500,000	U
78-87-5	1,2-Dichloropropane	500,000	U
10061-01-5	cis-1,3-Dichloropropene	500,000	U
79-01-6	Trichloroethene	500,000	U
124-48-1	Dibromochloromethane	500,000	U
79-00-5	1,1,2-Trichloroethane	500,000	U
71-43-2	Benzene	500,000	U
10061-02-6	trans-1,3-Dichloropropene	500,000	U
75-25-2	Bromoform	500,000	U
108-10-1	4-Methyl-2-Pentanone	1,000,000	U
591-78-6	2-Hexanone	1,000,000	U
127-18-4	Tetrachloroethene	500,000	U
79-34-5	1,1,2,2-Tetrachloroethane	500,000	U
108-88-3	Toluene	500,000	U
108-90-7	Chlorobenzene	500,000	U
100-41-4	Ethylbenzene	500,000	U
100-42-5	Styrene	500,000	U
1330-20-7	Xylene (total)	500,000	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

87340327

ab Name: CTL Bend, OR Contract: _____

ab Code: CENTST Case No.: _____ SAS No.: _____ SDG No.: _____

atrix: (soil/water) LIQUID Lab Sample ID: 1867-10

ample wt/vol: .00005 (g/mL) L Lab File ID: 1867_10

evel: (low/med) MED Date Received: 08/25/87

Moisture: not dec. _____ Date Analyzed: 09/03/87

olumn: (pack/cap) PACK Dilution Factor: .0002

Number TICs found: 0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

87340327

Lab Name: CTL Bend, OR Contract: _____

Lab Code: CENTST Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) LIQUID Lab Sample ID: 1867-10DL

Sample wt/vol: 1 (g/mL) ml Lab File ID: 1867_10DL

Level: (low/med) MED Date Received: 08/25/87

% Moisture: not dec. _____ dec. _____ Date Extracted: _____

Extraction: (SepF/Cont/Sonc) _____ Date Analyzed: 09/08/87

GPC Cleanup: (Y/N) ___ pH: ___ Dilution Factor: 1

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
108-95-2	Phenol	100,000	U
111-44-4	bis(2-Chloroethyl)ether	100,000	U
95-57-8	2-Chlorophenol	100,000	U
541-73-1	1,3-Dichlorobenzene	100,000	U
106-46-7	1,4-Dichlorobenzene	100,000	U
100-51-6	Benzyl alcohol	100,000	U
95-50-1	1,2-Dichlorobenzene	100,000	U
95-48-7	2-Methylphenol	100,000	U
108-60-1	bis-(2-Chloroisopropyl)ether	100,000	U
106-44-5	4-Methylphenol	100,000	U
621-64-7	N-Nitroso-di-n-propylamine	100,000	U
67-72-1	Hexachloroethane	100,000	U
98-95-3	Nitrobenzene	100,000	U
78-59-1	Isophorone	100,000	U
88-75-5	2-Nitrophenol	100,000	U
105-67-9	2,4-Dimethylphenol	100,000	U
65-85-0	Benzoic acid	500,000	U
111-91-1	bis(2-Chloroethoxy)methane	100,000	U
120-83-2	2,4-Dichlorophenol	100,000	U
120-82-1	1,2,4-Trichlorobenzene	100,000	U
91-20-31	Naphthalene	100,000	U
106-47-8	4-Chloroaniline	100,000	U
87-68-3	Hexachlorobutadiene	100,000	U
59-50-7	4-Chloro-3-methylphenol	100,000	U
91-57-6	2-Methylnaphthalene	100,000	U
77-47-4	Hexachlorocyclopentadiene	100,000	U
88-06-2	2,4,6-Trichlorophenol	100,000	U
95-95-4	2,4,5-Trichlorophenol	500,000	U
91-58-7	2-Chloronaphthalene	100,000	U
88-74-4	2-Nitroaniline	500,000	U
131-11-3	Dimethylphthalate	100,000	U
208-96-8	Acenaphthylene	100,000	U
606-20-2	2,6-Dinitrotoluene	100,000	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

87340327

Lab Name: CTL Bend, OR Contract: _____

Lab Code: CENTST Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) LIQUID Lab Sample ID: 1867-10DL

Sample wt/vol: .1 (g/mL) ML Lab File ID: 1867 10DL

Level: (low/med) MED Date Received: 08/25/87

% Moisture: not dec. _____ dec. _____ Date Extracted: _____

Extraction: (SepF/Cont/Sonc) _____ Date Analyzed: 09/08/87

GPC Cleanup: (Y/N) ___ pH: _____ Dilution Factor: 1

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
99-09-2	3-Nitroaniline	500,000	U
83-32-9	Acenaphthene	100,000	U
51-28-5	2,4-Dinitrophenol	500,000	U
100-02-7	4-Nitrophenol	500,000	U
132-64-9	Dibenzofuran	100,000	U
121-14-2	2,4-Dinitrotoluene	100,000	U
84-66-2	Diethylphthalate	100,000	U
7005-72-3	4-Chlorophenyl-phenylether	100,000	U
86-73-7	Fluorene	100,000	U
100-01-6	4-Nitroaniline	500,000	U
534-52-1	4,6-Dinitro-2-methylphenol	500,000	U
86-30-6	N-Nitrosodiphenylamine (1)	100,000	U
101-55-3	4-Bromophenyl-phenylether	100,000	U
118-74-1	Hexachlorobenzene	100,000	U
87-86-5	Pentachlorophenol	500,000	U
85-01-8	Phenanthrene	100,000	U
120-12-7	Anthracene	100,000	U
84-74-2	Di-n-butylphthalate	100,000	22,000J
206-44-0	Fluoranthene	100,000	U
129-00-0	Pyrene	100,000	U
85-68-7	Butylbenzylphthalate	100,000	U
91-94-1	3,3'-Dichlorobenzidine	200,000	U
56-55-3	Benzo(a)anthracene	100,000	U
218-01-9	Chrysene	100,000	U
117-81-7	bis(2-Ethylhexyl)phthalate	100,000	U
117-84-0	Di-n-octylphthalate	100,000	U
205-99-2	Benzo(b)fluoranthene	100,000	U
207-08-9	Benzo(k)fluoranthene	100,000	U
50-32-8	Benzo(a)pyrene	100,000	U
193-39-5	Indeno(1,2,3-cd)pyrene	100,000	U
53-70-3	Dibenz(a,h)anthracene	100,000	U
191-24-2	Benzo(g,h,i)perylene	100,000	U

(1) - Cannot be separated from diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

87340327

Lab Name: CTL Bend, OR Contract: _____

Lab Code: CENTST Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) LIQUID Lab Sample ID: 1867-10DL

Sample wt/vol: .1 (g/mL) mL Lab File ID: 1867_10DL

Level: (low/med) MED Date Received: 08/25/87

% Moisture: not dec. _____ dec. _____ Date Extracted: _____

Extraction: (SepF/Cont/Sonc) _____ Date Analyzed: 09/08/87

GPC Cleanup: (Y/N) ___ pH: ___ Dilution Factor: 1

Number TICs found: 7

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	97-84-7	1,3-BUTANEDIAMINE, N,N,N',			
2.		N'-TETRAMETHYL	8:30	2,300,000	
3.	0-00-0	UNKNOWN	10:08	4,900,000	
4.	0-00-0	UNKNOWN	10:34	700,000	
5.	0-00-0	UNKNOWN	15:16	16,000,000	
6.	0-00-0	UNKNOWN	19:50	12,000,000	
7.	0-00-0	UNKNOWN	23:41	6,180,000	
8.	0-00-0	UNKNOWN	36:40	1,800,000	
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Halogens Solid

EPA SAMPLE NO.

87340327

Lab Name: CTL Bend, Inc. Contract: _____

Lab Code: CENTST Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOLID Lab Sample ID: 1867-11

Sample wt/vol: 1.2 (g/mL) G Lab File ID: 1867_11DL

Level: (low/med) MED Date Received: 08/25/87

% Moisture: not dec. _____ dec. _____ Date Extracted: 09/12/87

Extraction: (SepF/Cont/Sonc) _____ Date Analyzed: 09/12/87

GPC Cleanup: (Y/N) ___ pH: ___ Dilution Factor: .02

Number TICs found: 3

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	584-84-9	Benzene, 2,4-Diisocyanato-1-	15:39	1,200,000	
2.		Methyl-			
3.	0-00-0	Unknown	22:18	1,500,000	
4.	0-00-0	Unknown	23:43	1,400,000	
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