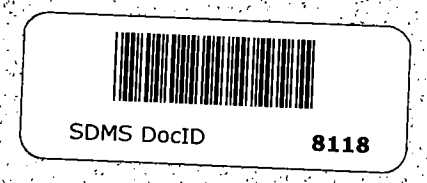
3.2



PHASE IA REMEDIAL INVESTIGATION

DATA PACKAGE

SACO MUNICIPAL LANDFILL

SACO, MAINE

MAY 1996

Prepared by:

WOODARD & CURRAN, INC.
Consulting Engineers
41 Hutchins Drive
Portland, Maine 04102
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LIST OF FIGURES

1.0 INTRODUCTION

This Data Package provides analytical results for groundwater, sediment, surface water, landfill gas and surface soil samples collected during the fall of 1995 and winter of 1996 at the Saco Municipal Landfill (SML) Superfund Site. These samples were collected to support the Phase IA Remedial Investigation. This data package has been prepared in accordance with the Administrative Order of Consent (Order) United States Environmental Protection Agency [USEPA] CERCLA Docket No. I - CERCLA - 95 - 1069) and Attachment A (Statement of Work) to the Order for the SML.

All field activities were conducted in accordance with the Sampling and Analysis Plan (SAP) submitted as a part of the Project Operations Plan (POP) and "approved...with condition" by USEPA in December 1995 for the SML.

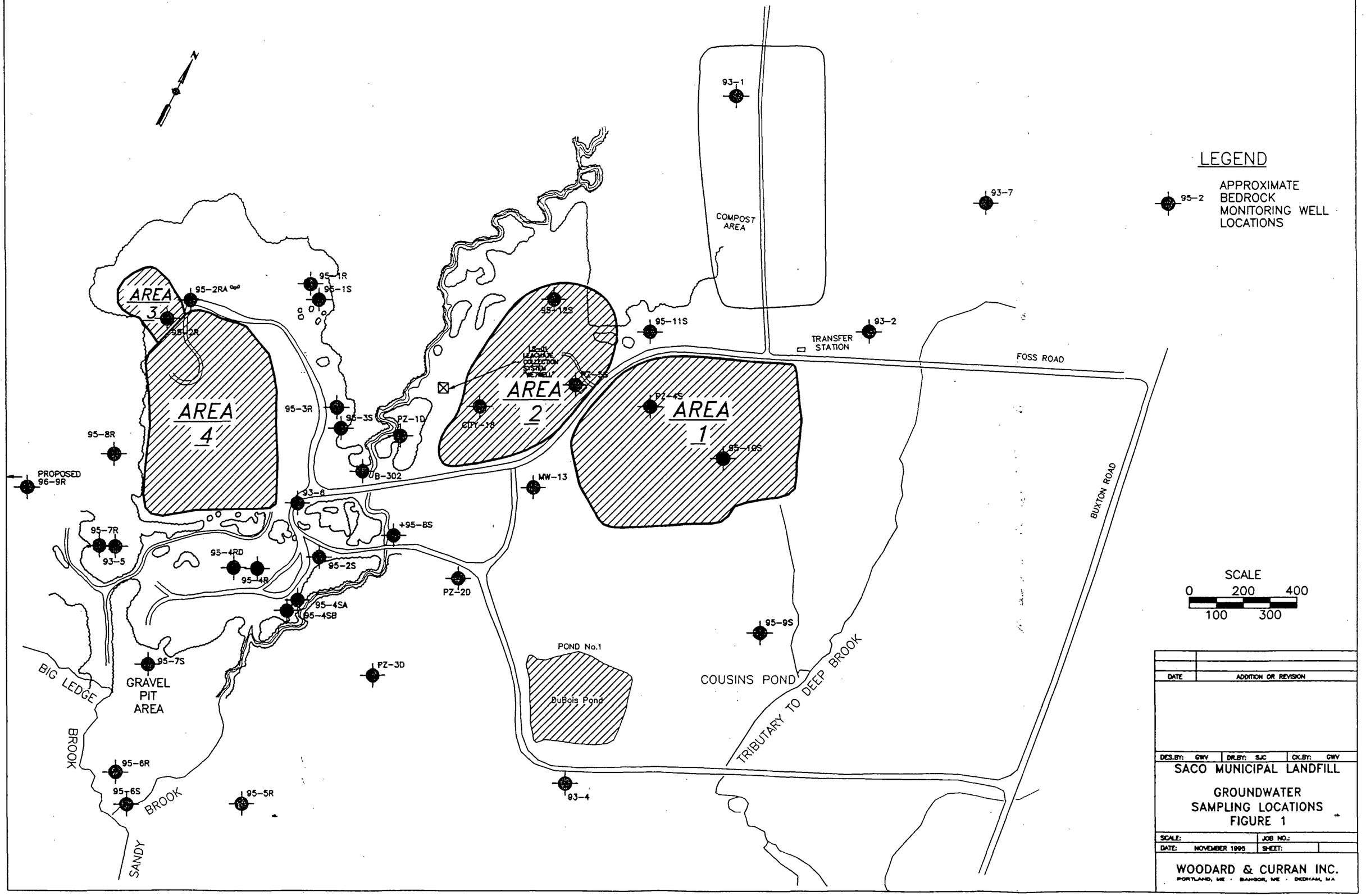
Each of the following sections include a figure showing sampling locations and associated analytical data as follows:

- Section 2 Groundwater Data;
- Section 3 Sediment Data;
- Section 4 Surface Water Data;
- Section 5 Landfill Gas Data;
- Section 6 Surface Soil Data;
- Section 7 Equipment/ Trip/ Field Blank Data.

Section 8 provides a data quality assessment of groundwater, sediment, surface water and surface soil sample results for the SML. The data quality assessment also includes data validation summaries completed in association with these samples.

SECTION 2.0

GROUNDWATER DATA



DATE	ADDITION OR REVISION

DES.BY: GWV	DR.BY: SJC	CK.BY: GWV

SACO MUNICIPAL LANDFILL

GROUNDWATER SAMPLING LOCATIONS FIGURE 1

SCALE:	JOB NO.:
DATE: NOVEMBER 1995	SHEET:

WOODARD & CURRAN INC.
PORTLAND, ME · BANGOR, ME · DEDHAM, MA

Analytical Data for Groundwater Samples
Saco Municipal Landfill
Saco, Maine

Parameter	MCL	MW931 (1/15/96)		MW9303 (1/09/96)		MW934 (1/12/96)		MW935 (1/10/96)		MW937 (1/17/96)		MW951S (1/17/96)	
All units in ug/L		Value	PQL	Value	PQL	Value	PQL	Value	PQL	Value	PQL	Value	PQL
SVOCs													
1,2,4-Trichlorobenzene		ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
1,2-Dichlorobenzene	600	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
1,3-Dichlorobenzene	600	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
1,4-Dichlorobenzene	75	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
2,4,5-Trichlorophenol		ND	25.00	ND	25.00	ND	25.00	ND R	25.00	ND	25.00	ND J	25.00
2,4,6-Trichlorophenol		ND	10.00	ND	10.00	ND	10.00	ND R	10.00	ND	10.00	ND J	10.00
2,4-Dichlorophenol		ND	10.00	ND	10.00	ND	10.00	ND R	10.00	ND	10.00	ND J	10.00
2,4-Dimethylphenol		ND	10.00	ND	10.00	ND	10.00	ND R	10.00	ND	10.00	ND	10.00
2,4-Dinitrophenol		ND	25.00	ND	25.00	ND	25.00	ND R	25.00	ND	25.00	ND J	25.00
2,4-Dinitrotoluene		ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
2,6-Dinitrotoluene		ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
2-Chloronaphthalene		ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
2-Chlorophenol		ND	10.00	ND	10.00	ND	10.00	ND R	10.00	ND	10.00	ND J	10.00
2-Methylnaphthalene		ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
2-Methylphenol		ND	10.00	ND	10.00	ND	10.00	ND R	10.00	ND	10.00	ND J	10.00
2-Nitroaniline		ND	25.00	ND	25.00	ND	25.00	ND	25.00	ND	25.00	ND	25.00
2-Nitrophenol		ND	10.00	ND	10.00	ND	10.00	ND R	10.00	ND	10.00	ND J	10.00
3,3'-Dichlorobenzidine		ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
3-Nitroaniline		ND	25.00	ND	25.00	ND	25.00	ND	25.00	ND	25.00	ND	25.00
4,6-Dinitro-2-methylphenol		ND	25.00	ND	25.00	ND	25.00	ND R	25.00	ND	25.00	ND J	25.00
4-Bromophenyl phenyl ether		ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
4-Chloro-3-methylphenol		ND	10.00	ND	10.00	ND	10.00	ND J	10.00	ND	10.00	ND J	10.00
4-Chloroaniline		ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
4-Chlorophenyl phenyl ether		ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
4-Methylphenol		ND	10.00	ND	10.00	ND	10.00	ND R	10.00	ND	10.00	ND J	10.00
4-Nitroaniline		ND	25.00	ND	25.00	ND	25.00	ND	25.00	ND	25.00	ND	25.00
4-Nitrophenol		ND	25.00	ND	25.00	ND	25.00	ND R	25.00	ND	25.00	ND J	25.00
Acenaphthene		ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
Acenaphthylene		ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
Anthracene		ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
bis(2-Chloroethyl)ether		ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
bis(2-Chloroethoxy)methane		ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
bis(2-Chloroisopropyl) ether		ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
bis(2-Ethylhexyl)phthalate	6	ND	10.00	10.00 U	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
Butyl benzylphthalate		ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
Benzo(a)anthracene		ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
Benzo(a)pyrene	0.2	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
Benzo(b)fluoranthene		ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
Benzo(k)fluoranthene		ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
Benzo(g,h,i)perylene		ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
Carbazole		ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
Chrysene		ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
Dibenzofuran		ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00

Analytical Data for Groundwater Samples
Saco Municipal Landfill
Saco, Maine

Parameter	MCL	MW931 (1/15/96)		MW9303 (1/09/96)		MW934 (1/12/96)		MW935 (1/10/96)		MW937 (1/17/96)		MW951S (1/17/96)	
All units in ug/L		Value	PQL	Value	PQL	Value	PQL	Value	PQL	Value	PQL	Value	PQL
Di-n-butylphthalate		ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
Dibenzo(a,h)anthracene		ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
Diethylphthalate		ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
Dimethylphthalate		ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
Di-n-octylphthalate		ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
Fluoranthene		ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
Fluorene		ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
Hexachloroethane		ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
Hexachlorobutadiene		ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
Hexachlorobenzene		ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
Hexachlorocyclopentadiene		ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
Indeno(1,2,3-cd)pyrene		ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
Isophorone		ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
Naphthalene		ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
Nitrobenzene		ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
n-Nitrosodiphenylamine		ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
n-Nitroso-dipropylamine		ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
Pentachlorophenol		ND	25.00	ND	25.00	ND	25.00	ND R	25.00	ND	25.00	ND J	25.00
Phenanthrene		ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
Phenol		1.00 J	10.00	ND	10.00	ND	10.00	ND R	10.00	ND	10.00	ND J	10.00
Pyrene		ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
Dilution Factor		1.00		1.00		1.00		1.00		1.00		1.00	
VOCs													
1,1,1,2-tetrachloroethane		ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
1,1,1-Trichloroethane		ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
1,1,2,2-Tetrachloroethane		ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
1,1,2-Trichloroethane		ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
1,1-Dichloroethane		ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	1.00 J	1.00
1,1-Dichloroethene		ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
1,1-Dichloropropene		ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
1,2,3-Trichlorobenzene		ND	1.00	ND	1.00	ND	1.00	1.00 J	1.00	ND	1.00	ND	1.00
1,2,3-Trichloropropane		ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
1,2,4-Trichlorobenzene	70	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
1,2,4-Trimethylbenzene		1.00 J	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
1,2-Dibromoethane		ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
1,2-Dichloroethane	5	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
1,2-Dichlorobenzene		ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
1,2-Dichloropropane		ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
1,3,5-Trimethylbenzene		ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
1,3-Dichlorobenzene		ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
1,3-Dichloropropane		ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
1,4-Dichlorobenzene		ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
2,2-Dichloropropane		ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
2-Chlorotoluene		ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00

Analytical Data for Groundwater Samples
Saco Municipal Landfill
Saco, Maine

Parameter	MCL	MW931 (1/15/96)		MW9303 (1/09/96)		MW934 (1/12/96)		MW935 (1/10/96)		MW937 (1/17/96)		MW951S (1/17/96)	
All units in ug/L		Value	PQL	Value	PQL	Value	PQL	Value	PQL	Value	PQL	Value	PQL
2-Hexanone		ND	4.00	ND	4.00	ND	4.00	ND	4.00	ND	4.00	ND	4.00
4-Chlorotoluene		ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
4-Isopropyltoluene		ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
Acetone		5.00 U	5.00	ND	5.00	ND	5.00	ND	5.00	5.00 U	5.00	5.00 U	5.00
Bromochloromethane		ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
Bromodichloromethane		ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
Benzene	5	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	1.00 J	1.00
Bromobenzene		ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
cis-1,2-Dichloroethene		ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	1.00	1.00
cis-1,3-Dichloropropene		ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
Chloroethane		ND	2.00	ND	2.00	ND	2.00	1.00 J	2.00	ND	2.00	3.00	2.00
Bromoform		ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
Chloroform		ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
Carbon tetrachloride		ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
Bromomethane		ND	2.00	ND	2.00	ND	2.00	ND	2.00	ND	2.00	ND	2.00
Chloromethane		ND	2.00	ND	2.00	ND	2.00	ND	2.00	ND	2.00	ND	2.00
Chlorobenzene	100	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
Dibromochloromethane		ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
1,2-Dibromo-3-chloropropane		ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
Dibromomethane		ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
Dichlorodifluoromethane		ND R	2.00	ND R	2.00	ND R	2.00	ND R	2.00	ND R	2.00	ND R	2.00
Ethylbenzene	700	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
Hexachlorobutadiene		ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
Isopropylbenzene		ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
m-Xylene/p-Xylene	10000	1.00 U	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
Methylene chloride	5	1.00 U	1.00	1.00 U	1.00	1.00 U	1.00	1.00 U	1.00	1.00 U	1.00	2.00 U	1.00
2-Butanone		ND	5.00	ND	5.00	ND	5.00	ND	5.00	ND	5.00	ND	5.00
4-Methyl-2-pentanone		ND	3.00	ND	3.00	ND	3.00	ND	3.00	ND	3.00	ND	3.00
Naphthalene		1.00 J	1.00	ND	1.00	ND	1.00	1.00 U	1.00	ND	1.00	ND	1.00
n-Butylbenzene		ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
n-Propylbenzene		ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
o-Xylene	10000	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
Tetrachloroethene	5	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
sec-Butylbenzene		ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
Styrene	100	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
trans-1,2-Dichloroethene	100	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
trans-1,3-Dichloropropene		ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
tert-Butylbenzene		ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
Trichloroethene		ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	1.00 J	1.00
Trichlorofluoromethane		ND	2.00	ND	2.00	ND	2.00	ND	2.00	ND	2.00	ND	2.00
Tetrahydrofuran		ND	50.00	ND	50.00	ND	50.00	21.00 J	50.00	ND	50.00	ND	50.00
Toluene	1000	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	1.00 J	1.00
Vinyl chloride	2	ND	2.00	ND	2.00	ND	2.00	ND	2.00	ND	2.00	5.00	2.00
Dilution Factor		1.00		1.00		1.00		1.00		1.00		1.00	

Analytical Data for Groundwater Samples
Saco Municipal Landfill
Saco, Maine

Parameter	MCL	MW951R (12/21/95		MW952S (1/15/96)		MW952SD (1/15/96		MW953S (1/18/96)		MW954SA (1/10/96)		MW954SB (1/11/96)	
All units in ug/L		Value	PQL	Value	PQL	Value	PQL	Value	PQL	Value	PQL	Value	PQL
SVOCs													
1,2,4-Trichlorobenzene		ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
1,2-Dichlorobenzene	600	ND	10.00	ND	10.00	ND	10.00	ND	10.00	2.00 J	10.00	1.00 J	10.00
1,3-Dichlorobenzene	600	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
1,4-Dichlorobenzene	75	ND	10.00	ND	10.00	ND	10.00	ND	10.00	2.00 J	10.00	1.00 J	10.00
2,4,5-Trichlorophenol		ND R	25.00	ND J	25.00	ND	25.00	ND	25.00	ND R	25.00	ND	25.00
2,4,6-Trichlorophenol		ND R	10.00	ND J	10.00	ND	10.00	ND	10.00	ND R	10.00	ND	10.00
2,4-Dichlorophenol		ND	10.00	ND J	10.00	ND	10.00	ND	10.00	ND R	10.00	ND	10.00
2,4-Dimethylphenol		ND R	10.00	ND	10.00	ND	10.00	ND	10.00	ND R	10.00	ND	10.00
2,4-Dinitrophenol		ND R	25.00	ND J	25.00	ND	25.00	ND	25.00	ND R	25.00	ND	25.00
2,4-Dinitrotoluene		ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
2,6-Dinitrotoluene		ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
2-Chloronaphthalene		ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
2-Chlorophenol		ND R	10.00	ND J	10.00	ND	10.00	ND	10.00	ND R	10.00	ND	10.00
2-Methylnaphthalene		ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
2-Methylphenol		ND R	10.00	ND J	10.00	ND	10.00	ND	10.00	ND R	10.00	ND	10.00
2-Nitroaniline		ND	25.00	ND	25.00	ND	25.00	ND	25.00	ND	25.00	ND	25.00
2-Nitrophenol		ND R	10.00	ND J	10.00	ND	10.00	ND	10.00	ND R	10.00	ND	10.00
3,3'-Dichlorobenzidine		ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
3-Nitroaniline		ND	25.00	ND	25.00	ND	25.00	ND	25.00	ND	25.00	ND	25.00
4,6-Dinitro-2-methylphenol		ND R	25.00	ND J	25.00	ND	25.00	ND	25.00	ND R	25.00	ND	25.00
4-Bromophenyl phenyl ether		ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
4-Chloro-3-methylphenol		ND R	10.00	ND J	10.00	ND	10.00	ND	10.00	ND R	10.00	1.00 J	10.00
4-Chloroaniline		ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
4-Chlorophenyl phenyl ether		ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
4-Methylphenol		ND R	10.00	ND J	10.00	ND	10.00	ND	10.00	ND R	10.00	ND	10.00
4-Nitroaniline		ND	25.00	ND	25.00	ND	25.00	ND	25.00	ND	25.00	ND	25.00
4-Nitrophenol		ND R	25.00	ND J	25.00	ND	25.00	ND	25.00	ND R	25.00	ND	25.00
Acenaphthene		ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
Acenaphthylene		ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
Anthracene		ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
bis(2-Chloroethyl)ether		ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
bis(2-Chloroethoxy)methane		ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
bis(2-Chloroisopropyl) ether		ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
bis(2-Ethylhexyl)phthalate	6	1 J	10.00	45.00 J	10.00	10.00 UJ	10.00	ND	10.00	10.00 U	10.00	10.00 U	10.00
Butyl benzylphthalate		ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
Benzo(a)anthracene		ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
Benzo(a)pyrene	0.2	ND	10.00	ND	10.00	ND	10.00	3.00 J	10.00	ND	10.00	ND	10.00
Benzo(b)fluoranthene		ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
Benzo(k)fluoranthene		ND	10.00	ND	10.00	ND	10.00	3.00 J	10.00	ND	10.00	ND	10.00
Benzo(g,h,i)perylene		ND	10.00	ND	10.00	ND	10.00	10.00 U	10.00	ND	10.00	3.00 J	10.00
Carbazole		ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
Chrysene		ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
Dibenzofuran		ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00

Analytical Data for Groundwater Samples
Saco Municipal Landfill
Saco, Maine

Parameter	MCL	MW951R (12/21/95		MW952S (1/15/96)		MW952SD (1/15/96		MW953S (1/18/96)		MW954SA (1/10/96)		MW954SB (1/11/96)	
All units in ug/L		Value	PQL	Value	PQL	Value	PQL	Value	PQL	Value	PQL	Value	PQL
Di-n-butylphthalate		ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
Dibenzo(a,h)anthracene		ND	10.00	ND	10.00	ND	10.00	10.00 U	10.00	ND	10.00	2.00 J	10.00
Diethylphthalate		ND	10.00	ND	10.00	ND	10.00	ND	10.00	1.00 J	10.00	ND	10.00
Dimethylphthalate		ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
Di-n-octylphthalate		ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
Fluoranthene		ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
Fluorene		ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
Hexachloroethane		ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
Hexachlorobutadiene		ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
Hexachlorobenzene		ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
Hexachlorocyclopentadiene		ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
Indeno(1,2,3-cd)pyrene		ND	10.00	ND	10.00	ND	10.00	10.00 U	10.00	ND	10.00	ND	10.00
Isophorone		ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
Naphthalene		ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
Nitrobenzene		ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
n-Nitrosodiphenylamine		ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
n-Nitroso-dipropylamine		ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
Pentachlorophenol		ND R	25.00	ND J	25.00	ND	25.00	ND	25.00	ND R	25.00	ND	25.00
Phenanthrene		ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
Phenol		ND R	10.00	ND J	10.00	ND	10.00	ND	10.00	ND R	10.00	ND	10.00
Pyrene		ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
Dilution Factor		1.00		1.00		1.00		1.00		1.00		1.00	
VOCs													
1,1,1,2-tetrachloroethane		ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
1,1,1-Trichloroethane		ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
1,1,2,2-Tetrachloroethane		ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
1,1,2-Trichloroethane		ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
1,1-Dichloroethane		ND	1.00	ND	1.00	ND	1.00	ND	1.00	1.00 J	1.00	ND	1.00
1,1-Dichloroethene		ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
1,1-Dichloropropene		ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
1,2,3-Trichlorobenzene		ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
1,2,3-Trichloropropane		ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
1,2,4-Trichlorobenzene	70	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
1,2,4-Trimethylbenzene		ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
1,2-Dibromoethane		ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
1,2-Dichloroethane	5	ND	1.00	ND	1.00	ND	1.00	1.00 U	1.00	2.00	1.00	1.00 J	1.00
1,2-Dichlorobenzene		ND	1.00	ND	1.00	ND	1.00	ND	1.00	2.00	1.00	1.00 J	1.00
1,2-Dichloropropane		ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
1,3,5-Trimethylbenzene		ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
1,3-Dichlorobenzene		ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
1,3-Dichloropropane		ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
1,4-Dichlorobenzene		ND	1.00	ND	1.00	ND	1.00	ND	1.00	2.00	1.00	1.00 J	1.00
2,2-Dichloropropane		ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
2-Chlorotoluene		ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00

Analytical Data for Groundwater Samples
Saco Municipal Landfill
Saco, Maine

Parameter	MCL	MW951R (12/21/95		MW952S (1/15/96)		MW952SD (1/15/96		MW953S (1/18/96)		MW954SA (1/10/96)		MW954SB (1/11/96)	
All units in ug/L		Value	PQL	Value	PQL	Value	PQL	Value	PQL	Value	PQL	Value	PQL
2-Hexanone		ND	4.00	ND	4.00	ND	4.00	ND	4.00	ND	4.00	ND	4.00
4-Chlorotoluene		ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
4-Isopropyltoluene		ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
Acetone		ND	5.00	ND	5.00	5.00 U	5.00	5.00 U	5.00	ND	5.00	5.00 U	5.00
Bromochloromethane		ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
Bromodichloromethane		ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
Benzene	5	ND	1.00	ND	1.00	ND	1.00	ND	1.00	4.00	1.00	1.00	1.00
Bromobenzene		ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
cis-1,2-Dichloroethene		ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
cis-1,3-Dichloropropene		ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
Chloroethane		1 J	2.00	1.00 J	2.00	1.00 J	2.00	ND	2.00	22.00	2.00	5.00	2.00
Bromoform		ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
Chloroform		ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
Carbon tetrachloride		ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
Bromomethane		ND	2.00	ND	2.00	ND	2.00	ND	2.00	ND	2.00	ND	2.00
Chloromethane		ND	2.00	ND	2.00	ND	2.00	ND	2.00	ND	2.00	ND	2.00
Chlorobenzene	100	ND	1.00	ND	1.00	ND	1.00	1.00	1.00	1.00	1.00	ND	1.00
Dibromochloromethane		ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
1,2-Dibromo-3-chloropropane		ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
Dibromomethane		ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
Dichlorodifluoromethane		ND	2.00	ND R	2.00	ND R	2.00	ND R	2.00	ND R	2.00	ND R	2.00
Ethylbenzene	700	ND	1.00	ND	1.00	ND	1.00	ND	1.00	1.00	1.00	ND	1.00
Hexachlorobutadiene		ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
Isopropylbenzene		ND	1.00	ND	1.00	ND	1.00	ND	1.00	1.00 J	1.00	ND	1.00
m-Xylene/p-Xylene	10000	ND	1.00	ND	1.00	ND	1.00	1.00	1.00	ND	1.00	ND	1.00
Methylene chloride	5	ND	1.00	1.00 U	1.00	1.00 U	1.00	ND	1.00	2.00 U	1.00	2.00 U	1.00
2-Butanone		ND	5.00	ND	5.00	ND	5.00	ND	5.00	ND	5.00	ND	5.00
4-Methyl-2-pentanone		ND	3.00	ND	3.00	ND	3.00	ND	3.00	ND	3.00	ND	3.00
Naphthalene		ND	1.00	ND	1.00	ND	1.00	1.00 J	1.00	ND	1.00	ND	1.00
n-Butylbenzene		ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
n-Propylbenzene		ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
o-Xylene	10000	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
Tetrachloroethene	5	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
sec-Butylbenzene		ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
Styrene	100	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
trans-1,2-Dichloroethene	100	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
trans-1,3-Dichloropropene		ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
tert-Butylbenzene		ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
Trichloroethene		ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
Trichlorofluoromethane		ND	2.00	ND	2.00	ND	2.00	ND	2.00	ND	2.00	ND	2.00
Tetrahydrofuran		ND	50.00	ND	50.00	ND	50.00	4.00 J	50.00	14.00 J	50.00	3.00 J	50.00
Toluene	1000	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
Vinyl chloride	2	ND	2.00	ND	2.00	ND	2.00	ND	2.00	ND	2.00	ND	2.00
Dilution Factor		1.00		1.00		1.00		1.00		1.00		1.00	

Analytical Data for Groundwater Samples
Saco Municipal Landfill
Saco, Maine

Parameter	MCL	MW954R (12/19/95		MW954RD (12/19/9		MW954RD (1/10/96)		MW955R (1/12/96		MW956S (1/9/96)		MW956R (1/9/96)	
All units in ug/L		Value	PQL	Value	PQL	Value	PQL	Value	PQL	Value	PQL	Value	PQL
SVOCs													
1,2,4-Trichlorobenzene		ND	10.00	ND	10.00	ND	11.00	ND	10.00	ND	10.00	ND	10.00
1,2-Dichlorobenzene	600	2 J	10.00	2 J	10.00	3.00 J	11.00	ND	10.00	ND	10.00	ND	10.00
1,3-Dichlorobenzene	600	ND	10.00	ND	10.00	ND	11.00	ND	10.00	ND	10.00	ND	10.00
1,4-Dichlorobenzene	75	3 J	10.00	4 J	10.00	5.00 J	11.00	ND	10.00	ND	10.00	ND	10.00
2,4,5-Trichlorophenol		ND	25.00	ND	25.00	ND	28.00	ND	25.00	ND	25.00	ND	25.00
2,4,6-Trichlorophenol		ND	10.00	ND	10.00	ND	11.00	ND	10.00	ND	10.00	ND	10.00
2,4-Dichlorophenol		ND	10.00	ND	10.00	ND	11.00	ND	10.00	ND	10.00	ND	10.00
2,4-Dimethylphenol		1 J	10.00	ND	10.00	ND	11.00	ND	10.00	ND	10.00	ND	10.00
2,4-Dinitrophenol		ND	25.00	ND	25.00	ND	28.00	ND	25.00	ND	25.00	ND	25.00
2,4-Dinitrotoluene		ND	10.00	ND	10.00	ND	11.00	ND	10.00	ND	10.00	ND	10.00
2,6-Dinitrotoluene		ND	10.00	ND	10.00	ND	11.00	ND	10.00	ND	10.00	ND	10.00
2-Chloronaphthalene		ND	10.00	ND	10.00	ND	11.00	ND	10.00	ND	10.00	ND	10.00
2-Chlorophenol		ND	10.00	ND	10.00	ND	11.00	ND	10.00	ND	10.00	ND	10.00
2-Methylnaphthalene		ND	10.00	ND	10.00	5.00 J	11.00	ND	10.00	ND	10.00	ND	10.00
2-Methylphenol		ND	10.00	ND	10.00	ND	11.00	ND	10.00	ND	10.00	ND	10.00
2-Nitroaniline		ND	25.00	ND	25.00	ND	28.00	ND	25.00	ND	25.00	ND	25.00
2-Nitrophenol		ND	10.00	ND	10.00	ND	11.00	ND	10.00	ND	10.00	ND	10.00
3,3'-Dichlorobenzidine		ND	10.00	ND	10.00	ND J	11.00	ND	10.00	ND	10.00	ND	10.00
3-Nitroaniline		ND	25.00	ND	25.00	ND	28.00	ND	25.00	ND	25.00	ND	25.00
4,6-Dinitro-2-methylphenol		ND	25.00	ND	25.00	ND	28.00	ND	25.00	ND	25.00	ND	25.00
4-Bromophenyl phenyl ether		ND	10.00	ND	10.00	ND	11.00	ND	10.00	ND	10.00	ND	10.00
4-Chloro-3-methylphenol		23.	10.00	24.	10.00	29.00	11.00	ND	10.00	ND	10.00	ND	10.00
4-Chloroaniline		ND	10.00	ND	10.00	ND	11.00	ND	10.00	ND	10.00	ND	10.00
4-Chlorophenyl phenyl ether		ND	10.00	ND	10.00	ND	11.00	ND	10.00	ND	10.00	ND	10.00
4-Methylphenol		ND	10.00	ND	10.00	ND	11.00	ND	10.00	ND	10.00	ND	10.00
4-Nitroaniline		ND	25.00	ND	25.00	ND	28.00	ND	25.00	ND	25.00	ND	25.00
4-Nitrophenol		ND	25.00	ND	25.00	ND	28.00	ND	25.00	ND	25.00	ND	25.00
Acenaphthene		ND	10.00	ND	10.00	ND	11.00	ND	10.00	ND	10.00	ND	10.00
Acenaphthylene		ND	10.00	ND	10.00	ND	11.00	ND	10.00	ND	10.00	ND	10.00
Anthracene		ND	10.00	ND	10.00	ND	11.00	ND	10.00	ND	10.00	ND	10.00
bis(2-Chloroethyl)ether		ND	10.00	ND	10.00	ND	11.00	ND	10.00	ND	10.00	ND	10.00
bis(2-Chloroethoxy)methane		ND	10.00	ND	10.00	ND	11.00	ND	10.00	ND	10.00	ND	10.00
bis(2-Chloroisopropyl) ether		ND	10.00	ND	10.00	ND	11.00	ND	10.00	ND	10.00	ND	10.00
bis(2-Ethylhexyl)phthalate	6	11.	10.00	1 J	10.00	11.00 UJ	11.00	10.00 U	10.00	ND	10.00	ND	10.00
Butyl benzylphthalate		ND	10.00	ND	10.00	ND J	11.00	ND	10.00	ND	10.00	ND	10.00
Benzo(a)anthracene		ND	10.00	ND	10.00	ND J	11.00	ND	10.00	ND	10.00	ND	10.00
Benzo(a)pyrene	0.2	ND	10.00	ND	10.00	ND	11.00	ND	10.00	ND	10.00	ND	10.00
Benzo(b)fluoranthene		ND	10.00	ND	10.00	ND	11.00	ND	10.00	ND	10.00	ND	10.00
Benzo(k)fluoranthene		ND	10.00	ND	10.00	ND	11.00	ND	10.00	ND	10.00	ND	10.00
Benzo(g,h,i)perylene		ND	10.00	ND	10.00	ND	11.00	ND	10.00	ND	10.00	ND	10.00
Carbazole		ND	10.00	ND	10.00	ND	11.00	ND	10.00	ND	10.00	ND	10.00
Chrysene		ND	10.00	ND	10.00	ND J	11.00	ND	10.00	ND	10.00	ND	10.00
Dibenzofuran		ND	10.00	ND	10.00	ND	11.00	ND	10.00	ND	10.00	ND	10.00

Analytical Data for Groundwater Samples
Saco Municipal Landfill
Saco, Maine

Parameter	MCL	MW954R (12/19/95		MW954RD (12/19/9		MW954RD (1/10/96)		MW955R (1/12/96		MW956S (1/9/96)		MW956R (1/9/96)	
All units in ug/L		Value	PQL	Value	PQL	Value	PQL	Value	PQL	Value	PQL	Value	PQL
Di-n-butylphthalate		ND	10.00	ND	10.00	ND	11.00	1.00 J	10.00	ND	10.00	ND	10.00
Dibenzo(a,h)anthracene		ND	10.00	ND	10.00	ND	11.00	ND	10.00	ND	10.00	ND	10.00
Diethylphthalate		6 J	10.00	3 J	10.00	10.00 J	11.00	ND	10.00	ND	10.00	ND	10.00
Dimethylphthalate		ND	10.00	ND	10.00	ND	11.00	ND	10.00	ND	10.00	ND	10.00
Di-n-octylphthalate		ND	10.00	ND	10.00	ND	11.00	ND	10.00	ND	10.00	ND	10.00
Fluoranthene		ND	10.00	ND	10.00	ND	11.00	ND	10.00	ND	10.00	ND	10.00
Fluorene		ND	10.00	ND	10.00	ND	11.00	ND	10.00	ND	10.00	ND	10.00
Hexachloroethane		ND	10.00	ND	10.00	ND	11.00	ND	10.00	ND	10.00	ND	10.00
Hexachlorobutadiene		ND	10.00	ND	10.00	ND	11.00	ND	10.00	ND	10.00	ND	10.00
Hexachlorobenzene		ND	10.00	ND	10.00	ND	11.00	ND	10.00	ND	10.00	ND	10.00
Hexachlorocyclopentadiene		ND	10.00	ND	10.00	ND	11.00	ND	10.00	ND	10.00	ND	10.00
Indeno(1,2,3-cd)pyrene		ND	10.00	ND	10.00	ND	11.00	ND	10.00	ND	10.00	ND	10.00
Isophorone		ND	10.00	ND	10.00	ND	11.00	ND	10.00	ND	10.00	ND	10.00
Naphthalene		5 J	10.00	6 J	10.00	9.00 J	11.00	ND	10.00	ND	10.00	ND	10.00
Nitrobenzene		ND	10.00	ND	10.00	ND	11.00	ND	10.00	ND	10.00	ND	10.00
n-Nitrosodiphenylamine		ND	10.00	ND	10.00	ND	11.00	ND	10.00	ND	10.00	ND	10.00
n-Nitroso-dipropylamine		ND	10.00	ND	10.00	ND	11.00	ND	10.00	ND	10.00	ND	10.00
Pentachlorophenol		ND	25.00	ND	25.00	ND	28.00	ND	25.00	ND	25.00	ND	25.00
Phenanthrene		ND	10.00	ND	10.00	ND	11.00	ND	10.00	ND	10.00	ND	10.00
Phenol		ND	10.00	ND	10.00	ND	11.00	ND	10.00	ND	10.00	ND	10.00
Pyrene		ND	10.00	ND	10.00	ND J	11.00	ND	10.00	ND	10.00	ND	10.00
Dilution Factor		1.00		1.10		1.00		1.00		1.00		1.00	
VOCs													
1,1,1,2-tetrachloroethane		ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
1,1,1-Trichloroethane		ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
1,1,2,2-Tetrachloroethane		ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
1,1,2-Trichloroethane		ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
1,1-Dichloroethane		1.	1.00	1.	1.00	1.00	1.00	ND	1.00	ND	1.00	ND	1.00
1,1-Dichloroethene		ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
1,1-Dichloropropene		ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
1,2,3-Trichlorobenzene		ND	1.00	ND	1.00	1.00 J	1.00	ND	1.00	ND	1.00	ND	1.00
1,2,3-Trichloropropane		ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
1,2,4-Trichlorobenzene	70	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
1,2,4-Trimethylbenzene		6.	1.00	6.	1.00	9.00	1.00	ND	1.00	ND	1.00	ND	1.00
1,2-Dibromoethane		ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
1,2-Dichloroethane	5	ND	1.00	1.	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
1,2-Dichlorobenzene		4.	1.00	4.	1.00	5.00	1.00	ND	1.00	ND	1.00	ND	1.00
1,2-Dichloropropane		ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
1,3,5-Trimethylbenzene		3.	1.00	3.	1.00	5.00	1.00	ND	1.00	ND	1.00	ND	1.00
1,3-Dichlorobenzene		1 J	1.00	1 J	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
1,3-Dichloropropane		ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
1,4-Dichlorobenzene		6.	1.00	6.	1.00	7.00	1.00	ND	1.00	ND	1.00	ND	1.00
2,2-Dichloropropane		ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
2-Chlorotoluene		ND	1.00	1 J	1.00	1.00	1.00	ND	1.00	ND	1.00	ND	1.00

Analytical Data for Groundwater Samples
Saco Municipal Landfill
Saco, Maine

Parameter	MCL	MW954R (12/19/95		MW954RD (12/19/9		MW954RD (1/10/96)		MW955R (1/12/96		MW956S (1/9/96)		MW956R (1/9/96)	
All units in ug/L		Value	PQL	Value	PQL	Value	PQL	Value	PQL	Value	PQL	Value	PQL
2-Hexanone		ND	4.00	ND	4.00	ND	4.00	ND	4.00	ND	4.00	ND	4.00
4-Chlorotoluene		ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
4-Isopropyltoluene		1 J	1.00	1 J	1.00	1.00	1.00	ND	1.00	1.00 J	1.00	ND	1.00
Acetone		8 U	5.00	11 U	5.00	5.00 UJ	5.00	3.00 J	5.00	5.00 J	5.00	ND	5.00
Bromochloromethane		ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
Bromodichloromethane		ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
Benzene	5	13.	1.00	12.	1.00	13.00	1.00	ND	1.00	ND	1.00	ND	1.00
Bromobenzene		ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
cis-1,2-Dichloroethene		1 J	1.00	1.	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
cis-1,3-Dichloropropene		ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
Chloroethane		89.	2.00	93.	2.00	82.00	2.00	ND	2.00	ND	2.00	ND	2.00
Bromoform		ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
Chloroform		ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
Carbon tetrachloride		ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
Bromomethane		ND	2.00	ND	2.00	ND	2.00	ND	2.00	ND	2.00	ND	2.00
Chloromethane		ND	2.00	ND	2.00	ND	2.00	ND	2.00	ND	2.00	ND	2.00
Chlorobenzene	100	3.	1.00	3.	1.00	4.00	1.00	ND	1.00	ND	1.00	ND	1.00
Dibromochloromethane		ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
1,2-Dibromo-3-chloropropane		ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
Dibromomethane		ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
Dichlorodifluoromethane		ND	2.00	ND	2.00	ND R	2.00	ND R	2.00	ND R	2.00	ND R	2.00
Ethylbenzene	700	30.	1.00	29.	1.00	34.00	1.00	ND	1.00	ND	1.00	ND	1.00
Hexachlorobutadiene		ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
Isopropylbenzene		3.	1.00	3.	1.00	6.00	1.00	ND	1.00	ND	1.00	ND	1.00
m-Xylene/p-Xylene	10000	22.	1.00	22.	1.00	32.00	1.00	1.00 U	1.00	ND	1.00	ND	1.00
Methylene chloride	5	5. U	1.00	4. U	1.00	3.00 U	1.00	1.00 U	1.00	1.00 U	1.00	1.00 U	1.00
2-Butanone		15.	5.00	17.	5.00	ND	5.00	ND	5.00	ND	5.00	ND	5.00
4-Methyl-2-pentanone		ND	3.00	ND	3.00	ND	3.00	ND	3.00	ND	3.00	ND	3.00
Naphthalene		8.	1.00	9.	1.00	13.00	1.00	ND	1.00	ND	1.00	ND	1.00
n-Butylbenzene		1 J	1.00	1 J	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
n-Propylbenzene		1 J	1.00	1 J	1.00	2.00	1.00	ND	1.00	ND	1.00	ND	1.00
o-Xylene	10000	9.	1.00	9.	1.00	14.00	1.00	ND	1.00	ND	1.00	ND	1.00
Tetrachloroethene	5	1 U	1.00	1 U	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
sec-Butylbenzene		1 J	1.00	1 J	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
Styrene	100	1 J	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
trans-1,2-Dichloroethene	100	1 J	1.00	1 J	1.00	1.00 J	1.00	ND	1.00	ND	1.00	ND	1.00
trans-1,3-Dichloropropene		ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
tert-Butylbenzene		ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
Trichloroethene		ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
Trichlorofluoromethane		ND	2.00	ND	2.00	ND	2.00	ND	2.00	ND	2.00	ND	2.00
Tetrahydrofuran		160.	50.00	170.	50.00	160.00	50.00	ND	50.00	ND	50.00	5.00 J	50.00
Toluene	1000	2.	1.00	2	1.00	3.00	1.00	ND	1.00	ND	1.00	ND	1.00
Vinyl chloride	2	ND	2.00	ND	2.00	ND	2.00	ND	2.00	ND	2.00	ND	2.00
Dilution Factor		1.00		1.00		1.00		1.00		1.00		1.00	

Analytical Data for Groundwater Samples
Saco Municipal Landfill
Saco, Maine

Parameter	MCL	MW957S (1/9/96)		MW957R (12/19/95		MW958S (1/11/96)		MW958R (12/21/95		MW959S (1/11/96)		MW959SD (1/11/96)		MW9511S (1/17/96)	
All units in ug/L		Value	PQL	Value	PQL	Value	PQL	Value	PQL	Value	PQL	Value	PQL	Value	PQL
SVOCs															
1,2,4-Trichlorobenzene		ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
1,2-Dichlorobenzene	600	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
1,3-Dichlorobenzene	600	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
1,4-Dichlorobenzene	75	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
2,4,5-Trichlorophenol		ND	25.00	ND	25.00	ND	25.00	ND R	25.00	ND	25.00	ND	25.00	ND	25.00
2,4,6-Trichlorophenol		ND	10.00	ND	10.00	ND	10.00	ND R	10.00	ND	10.00	ND	10.00	ND	10.00
2,4-Dichlorophenol		ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
2,4-Dimethylphenol		ND	10.00	ND	10.00	ND	10.00	ND R	10.00	ND	10.00	ND	10.00	ND	10.00
2,4-Dinitrophenol		ND	25.00	ND	25.00	ND	25.00	ND R	25.00	ND	25.00	ND	25.00	ND	25.00
2,4-Dinitrotoluene		ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
2,6-Dinitrotoluene		ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
2-Chloronaphthalene		ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
2-Chlorophenol		ND	10.00	ND	10.00	ND	10.00	ND R	10.00	ND	10.00	ND	10.00	ND	10.00
2-Methylnaphthalene		ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
2-Methylphenol		ND	10.00	ND	10.00	ND	10.00	ND R	10.00	ND	10.00	ND	10.00	ND	10.00
2-Nitroaniline		ND	25.00	ND	25.00	ND	25.00	ND	25.00	ND	25.00	ND	25.00	ND	25.00
2-Nitrophenol		ND	10.00	ND	10.00	ND	10.00	ND R	10.00	ND	10.00	ND	10.00	ND	10.00
3,3'-Dichlorobenzidine		ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
3-Nitroaniline		ND	25.00	ND	25.00	ND	25.00	ND	25.00	ND	25.00	ND	25.00	ND	25.00
4,6-Dinitro-2-methylphenol		ND	25.00	ND	25.00	ND	25.00	ND R	25.00	ND	25.00	ND	25.00	ND	25.00
4-Bromophenyl phenyl ether		ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
4-Chloro-3-methylphenol		ND	10.00	ND	10.00	ND	10.00	1 J	10.00	ND	10.00	ND	10.00	ND	10.00
4-Chloroaniline		ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
4-Chlorophenyl phenyl ether		ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
4-Methylphenol		ND	10.00	ND	10.00	ND	10.00	ND R	10.00	ND	10.00	ND	10.00	ND	10.00
4-Nitroaniline		ND	25.00	ND	25.00	ND	25.00	ND	25.00	ND	25.00	ND	25.00	ND	25.00
4-Nitrophenol		ND	25.00	ND	25.00	ND	25.00	ND R	25.00	ND	25.00	ND	25.00	ND	25.00
Acenaphthene		ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
Acenaphthylene		1.00 J	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
Anthracene		ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
bis(2-Chloroethyl)ether		ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
bis(2-Chloroethoxy)methane		ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
bis(2-Chloroisopropyl) ether		ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
bis(2-Ethylhexyl)phthalate	6	ND	10.00	12.	10.00	ND	10.00	ND	10.00	10.00 U	10.00	ND	10.00	ND	10.00
Butyl benzylphthalate		ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
Benzo(a)anthracene		ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
Benzo(a)pyrene	0.2	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
Benzo(b)fluoranthene		ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
Benzo(k)fluoranthene		ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
Benzo(g,h,i)perylene		ND	10.00	ND	10.00	8.00 J	10.00	ND	10.00	4.00 J	10.00	2.00 J	10.00	ND	10.00
Carbazole		ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
Chrysene		ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
Dibenzofuran		ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00

Analytical Data for Groundwater Samples
Saco Municipal Landfill
Saco, Maine

Parameter	MCL	MW957S (1/9/96)		MW957R (12/19/95		MW958S (1/11/96)		MW958R (12/21/95		MW959S (1/11/96)		MW959SD (1/11/96)		MW9511S (1/17/96)	
All units in ug/L		Value	PQL	Value	PQL	Value	PQL	Value	PQL	Value	PQL	Value	PQL	Value	PQL
Di-n-butylphthalate		ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
Dibenzo(a,h)anthracene		ND	10.00	ND	10.00	5.00 J	10.00	ND	10.00	3.00 J	10.00	ND	10.00	ND	10.00
Diethylphthalate		ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
Dimethylphthalate		ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
Di-n-octylphthalate		ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
Fluoranthene		ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
Fluorene		ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
Hexachloroethane		ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
Hexachlorobutadiene		ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
Hexachlorobenzene		ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
Hexachlorocyclopentadiene		ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
Indeno(1,2,3-cd)pyrene		ND	10.00	ND	10.00	4.00 J	10.00	ND	10.00	2.00 J	10.00	ND	10.00	ND	10.00
Isophorone		ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
Naphthalene		ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
Nitrobenzene		ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
n-Nitrosodiphenylamine		ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
n-Nitroso-dipropylamine		ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
Pentachlorophenol		ND	25.00	ND	25.00	ND	25.00	ND R	25.00	ND	25.00	ND	25.00	ND	25.00
Phenanthrene		ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
Phenol		ND	10.00	ND	10.00	ND	10.00	ND R	10.00	ND	10.00	ND	10.00	ND	10.00
Pyrene		ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
Dilution Factor		1.00		1.00		1.00		1.00		1.00		1.00		1.00	
VOCs															
1,1,1,2-tetrachloroethane		ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
1,1,1-Trichloroethane		ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
1,1,2,2-Tetrachloroethane		ND	1.00	1 J	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
1,1,2-Trichloroethane		ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
1,1-Dichloroethane		ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
1,1-Dichloroethene		ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
1,1-Dichloropropene		ND	1.00	1 J	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
1,2,3-Trichlorobenzene		ND	1.00	1 J	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
1,2,3-Trichloropropane		ND	1.00	1 J	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
1,2,4-Trichlorobenzene	70	ND	1.00	1 J	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
1,2,4-Trimethylbenzene		ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
1,2-Dibromoethane		ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
1,2-Dichloroethane	5	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
1,2-Dichlorobenzene		ND	1.00	1 J	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
1,2-Dichloropropane		ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
1,3,5-Trimethylbenzene		ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
1,3-Dichlorobenzene		ND	1.00	1 J	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
1,3-Dichloropropane		ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
1,4-Dichlorobenzene		ND	1.00	1 J	1.00	ND	1.00	1 J	1.00	ND	1.00	ND	1.00	ND	1.00
2,2-Dichloropropane		ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
2-Chlorotoluene		ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00

Analytical Data for Groundwater Samples
Saco Municipal Landfill
Saco, Maine

Parameter	MCL	MW957S (1/9/96)		MW957R (12/19/95		MW958S (1/11/96)		MW958R (12/21/95		MW959S (1/11/96)		MW959SD (1/11/96)		MW9511S (1/17/96)	
All units in ug/L		Value	PQL	Value	PQL	Value	PQL	Value	PQL	Value	PQL	Value	PQL	Value	PQL
2-Hexanone		ND	4.00	ND	4.00	ND	4.00	ND	4.00	ND	4.00	ND	4.00	ND	4.00
4-Chlorotoluene		ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
4-Isopropyltoluene		ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
Acetone		ND	5.00	ND	5.00	5.00 U	5.00	ND	5.00	ND	5.00	5.00 U	5.00	ND	5.00
Bromochloromethane		ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
Bromodichloromethane		ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
Benzene	5	ND	1.00	ND	1.00	ND	1.00	1.	1.00	ND	1.00	ND	1.00	ND	1.00
Bromobenzene		ND	1.00	1 J	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
cis-1,2-Dichloroethene		ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
cis-1,3-Dichloropropene		ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
Chloroethane		ND	2.00	ND	2.00	ND	2.00	2 J	2.00	ND	2.00	ND	2.00	ND	2.00
Bromoform		ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
Chloroform		ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
Carbon tetrachloride		ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
Bromomethane		ND	2.00	ND	2.00	ND	2.00	ND	2.00	ND	2.00	ND	2.00	ND	2.00
Chloromethane		ND	2.00	ND	2.00	ND	2.00	ND	2.00	ND	2.00	ND	2.00	ND	2.00
Chlorobenzene	100	ND	1.00	1 J	1.00	ND	1.00	1 J	1.00	ND	1.00	ND	1.00	ND	1.00
Dibromochloromethane		ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
1,2-Dibromo-3-chloropropane		ND	1.00	1.	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
Dibromomethane		ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
Dichlorodifluoromethane		ND R	2.00	ND	2.00	ND R	2.00	1 J	2.00	ND R	2.00	ND R	2.00	ND R	2.00
Ethylbenzene	700	ND	1.00	1 J	1.00	ND	1.00	1 J	1.00	ND	1.00	ND	1.00	ND	1.00
Hexachlorobutadiene		ND	1.00	1 J	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
Isopropylbenzene		ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
m-Xylene/p-Xylene	10000	ND	1.00	1 J	1.00	ND	1.00	1 J	1.00	ND	1.00	ND	1.00	ND	1.00
Methylene chloride	5	1.00 U	1.00	ND	1.00	1.00 U	1.00	2 U	1.00	1.00 U	1.00	1.00 U	1.00	1.00 U	1.00
2-Butanone		ND	5.00	ND	5.00	ND	5.00	ND	5.00	ND	5.00	ND	5.00	ND	5.00
4-Methyl-2-pentanone		ND	3.00	ND	3.00	ND	3.00	ND	3.00	ND	3.00	ND	3.00	ND	3.00
Naphthalene		ND	1.00	1 J	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
n-Butylbenzene		ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
n-Propylbenzene		ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
o-Xylene	10000	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
Tetrachloroethene	5	ND	1.00	1 U	1.00	ND	1.00	1 U	1.00	ND	1.00	ND	1.00	ND	1.00
sec-Butylbenzene		ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
Styrene	100	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
trans-1,2-Dichloroethene	100	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
trans-1,3-Dichloropropene		ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
tert-Butylbenzene		ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
Trichloroethene		ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
Trichlorofluoromethane		ND	2.00	1 J	2.00	ND	2.00	ND	2.00	ND	2.00	ND	2.00	ND	2.00
Tetrahydrofuran		ND	50.00	3 J	50.00	ND	50.00	ND	50.00	ND	50.00	ND	50.00	ND	50.00
Toluene	1000	ND	1.00	1 J	1.00	ND	1.00	1 J	1.00	ND	1.00	ND	1.00	ND	1.00
Vinyl chloride	2	ND	2.00	ND	2.00	ND	2.00	ND	2.00	ND	2.00	ND	2.00	ND	2.00
Dilution Factor		1.00		1.00		1.00		1.00		1.00		1.00		1.00	

Analytical Data for Groundwater Samples
Saco Municipal Landfill
Saco, Maine

Parameter	MCL	MW931-Diss (1/15/95)		MW931-Tot (1/15/96)		MW9303 (1/09/96)		MW934 (1/12/96)		MW935 (1/10/96)		MW937 (1/17/96)		MW951S (1/17/96)	
All units in ug/L		Value	PQL	Value	PQL	Value	PQL	Value	PQL	Value	PQL	Value	PQL	Value	PQL
Inorganics															
Aluminum	200	228.00 U	200.00	1010.00 U	200.00	73.30 U	200.00	81.50 U	200.00	34.90 U	200.00	68.00 U	200.00	51.10 U	200.00
Antimony		4.90 U	60.00	3.50 U	60.00	4.30 U	60.00	4.60 U	60.00	2.60 U	60.00	2.90 U	60.00	3.40 U	60.00
Arsenic	50	29.30	10.00	24.70	10.00	2.80 UJ	10.00	12.70	10.00	82.10	10.00	2.80 U	10.00	2.80 U	10.00
Barium	2000	1.00 U	200.00	4.10 U	200.00	10.70 U	200.00	1.00 U	200.00	23.60 U	200.00	10.90 U	200.00	80.10 J	200.00
Beryllium		0.12 U	5.00	0.12 U	5.00	0.12 U	5.00	0.12 U	5.00	0.12 U	5.00	0.12 U	5.00	0.12 U	5.00
Cadmium		0.24 U	5.00	0.24 U	5.00	0.25 J	5.00	0.24 U	5.00	0.24 U	5.00	0.24 U	5.00	0.24 U	5.00
Calcium		24800.00 U	5000.00	23000.00 U	5000.00	59000.00	5000.00	19200.00 U	5000.00	38500.00 U	5000.00	15700.00 U	5000.00	188000.00	5000.00
Chromium		0.54 U	10.00	0.97 U	10.00	0.63 U	10.00	0.54 U	10.00	0.72 U	10.00	0.67 U	10.00	0.54 U	10.00
Cobalt		0.61 U	50.00	0.88 J	50.00	0.61 U	50.00	0.61 U	50.00	22.80 J	50.00	0.61 U	50.00	1.50 J	50.00
Copper	1300	1.10 U	25.00	1.10 U	25.00	1.10 U	25.00	1.10 U	25.00	1.10 U	25.00	1.10 U	25.00	1.10 U	25.00
Cyanide				1.30 UJ	10.00	1.50 UJ	10.00	15.00 J	10.00	1.50 UJ	10.00	1.30 UJ	10.00	2.50 UJ	10.00
Iron	300	257.00 U	100.00	1570.00 U	100.00	71.90 U	100.00	126.00 U	100.00	40000.00	100.00	151.00 U	100.00	39.70 U	100.00
Lead		1.60 UJ	5.00	1.60 UJ	5.00	1.80 J	5.00	1.60 UJ	5.00	6.20 J	5.00	1.60 UJ	5.00	1.60 UJ	5.00
Magnesium		5490.00	5000.00	5340.00	5000.00	11500.00	5000.00	4530.00 J	5000.00	5640.00	5000.00	6590.00	5000.00	39700.00	5000.00
Manganese	50	70.20 U	15.00	103.00 U	15.00	4.40 U	15.00	38.70 U	15.00	13200.00	15.00	47.50 U	15.00	9960.00	15.00
Mercury	2	0.10 U	0.20	0.10 U	0.20	0.10 U	0.20	0.10 U	0.20	0.10 U	0.20	0.10 U	0.20	0.10 U	0.20
Nickel	100	1.00 U	40.00	1.40 U	40.00	1.00 U	40.00	1.00 U	40.00	5.70 U	40.00	1.00 U	40.00	1.30 U	40.00
Potassium		3920.00 U	5000.00	3500.00 U	5000.00	4970.00 J	5000.00	3580.00 U	5000.00	2650.00 U	5000.00	3750.00 U	5000.00	16100.00	5000.00
Selenium	50	3.70 UJ	5.00	3.70 UJ	5.00	3.80 J	5.00	4.30 J	5.00	4.60 J	5.00	3.70 UJ	5.00	7.80 J	5.00
Silver		0.67 U	10.00	0.67 U	10.00	0.67 U	10.00	0.67 U	10.00	0.67 U	10.00	0.67 U	10.00	0.67 U	10.00
Sodium		29200.00	5000.00	27100.00	5000.00	12100.00	5000.00	48700.00	5000.00	7230.00 U	5000.00	61700.00	5000.00	32900.00	5000.00
Thallium	2	5.50 U	10.00	5.50 U	10.00	5.50 UJ	10.00	5.50 U	10.00	7.10 J	10.00	5.50 U	10.00	11.30	10.00
Vanadium		0.62 J	50.00	2.30 J	50.00	0.76 U	50.00	0.48 U	50.00	0.48 U	50.00	0.48 U	50.00	0.48 U	50.00
Zinc	5000	25.10 U	20.00	35.50 U	20.00	27.90	20.00	17.30 U	20.00	31.60	20.00	29.80 U	20.00	17.50 U	20.00
Dilution Factor		1		1		1		1		1		1		1	

Parameter	MCL	MW951R (12/21/95)		MW952S (1/15/96)		MW952SD (1/15/96)		MW953S (1/18/96)		MW954SA (1/10/96)		MW954SB (1/11/96)		MW954R (12/19/95)	
All units in ug/L		Value	PQL	Value	PQL	Value	PQL	Value	PQL	Value	PQL	Value	PQL	Value	PQL
Inorganics															
Aluminum	200	182.00 UJ	200.00	55.10 U	200.00	38.30 U	200.00	93.80 U	200.00	174.00 U	200.00	46.20 U	200.00	39.30 UJ	200.00
Antimony		2.60 U	60.00	3.70 U	60.00	3.30 U	60.00	2.60 U	60.00	3.90 U	60.00	2.60 U	60.00	2.60 U	60.00
Arsenic	50	25.80 J	10.00	2.80 U	10.00	2.80 U	10.00	4.00 J	10.00	202.00	10.00	29.70	10.00	504.00	10.00
Barium	2000	29.50 J	200.00	4.70 U	200.00	4.90 U	200.00	49.00 J	200.00	209.00	200.00	51.30 J	200.00	329.00	200.00
Beryllium		0.12 U	5.00	0.12 U	5.00	0.12 U	5.00	0.12 U	5.00	0.12 U	5.00	0.12 U	5.00	0.12 U	5.00
Cadmium		0.24 U	5.00	0.24 U	5.00	0.24 U	5.00	0.24 UJ	5.00	0.24 U	5.00	0.24 U	5.00	0.25 U	5.00
Calcium		53100.00	5000.00	20700.00 U	5000.00	20200.00 U	5000.00	62100.00	5000.00	109000.00	5000.00	52700.00 U	5000.00	111000.00	5000.00
Chromium		0.54 U	10.00	0.54 U	10.00	0.54 U	10.00	0.54 U	10.00	1.00 U	10.00	0.54 U	10.00	7.20 J	10.00
Cobalt		38.80 J	50.00	2.10 J	50.00	2.10 J	50.00	0.97 UJ	50.00	16.20 J	50.00	5.40 J	50.00	41.10 J	50.00
Copper	1300	2.60 U	25.00	1.10 U	25.00	1.10 U	25.00	1.20 J	25.00	2.90 U	25.00	1.10 U	25.00	1.10 U	25.00
Cyanide		1.30 UJ	10.00	1.30 UJ	10.00	1.30 UJ	10.00	1.50 J	10.00	1.30 UJ	10.00	1.30 UJ	10.00	1.30 UJ	10.00
Iron	300	2830.00	100.00	95.20 U	100.00	108.00 U	100.00	27800.00	100.00	31300.00	100.00	10800.00 U	100.00	39800.00	100.00
Lead		1.60 UJ	5.00	1.60 UJ	5.00	1.60 UJ	5.00	1.60 UJ	5.00	2.00 J	5.00	1.60 UJ	5.00	1.70 UJ	5.00
Magnesium		4400.00 J	5000.00	2760.00 U	5000.00	2700.00 U	5000.00	16300.00	5000.00	22300.00	5000.00	8760.00	5000.00	50500.00 J	5000.00
Manganese	50	10800.00 J	15.00	3320.00	15.00	3230.00	15.00	2800.00	15.00	5300.00	15.00	6450.00	15.00	2180.00 J	15.00
Mercury	2	0.18 UJ	0.20	0.10 U	0.20	0.10 U	0.20	0.10 U	0.20	0.10 U	0.20	0.10 U	0.20	0.19 UJ	0.20
Nickel	100	44.60	40.00	1.90 U	40.00	2.50 U	40.00	5.60 UJ	40.00	16.70 J	40.00	3.80 U	40.00	89.20	40.00
Potassium		1660.00 J	5000.00	2240.00 U	5000.00	2250.00 U	5000.00	14800.00	5000.00	6630.00	5000.00	4230.00 J	5000.00	34200.00	5000.00
Selenium	50	8.80 J	5.00	3.70 UJ	5.00	3.70 UJ	5.00	4.50 UJ	5.00	3.70 UJ	5.00	3.70 UJ	5.00	3.70 U	5.00
Silver		0.67 U	10.00	0.67 U	10.00	0.67 U	10.00	0.67 U	10.00	0.67 U	10.00	0.67 U	10.00	0.67 U	10.00
Sodium		4720.00 J	5000.00	6800.00 U	5000.00	6690.00 U	5000.00	46600.00	5000.00	134000.00	5000.00	34400.00	5000.00	304000.00	5000.00
Thallium	2	11.50 J	10.00	5.50 U	10.00	5.50 U	10.00	5.50 U	10.00	5.50 UJ	10.00	5.50 U	10.00	6.80 J	10.00
Vanadium		0.48 U	50.00	0.48 U	50.00	0.71 J	50.00	1.60 UJ	50.00	1.20 J	50.00	0.48 U	50.00	1.60 U	50.00
Zinc	5000	26.10 U	20.00	5.90 U	20.00	20.70 U	20.00	15.00 U	20.00	35.70 U	20.00	26.50 U	20.00	19.00 UJ	20.00
Dilution Factor		1		1		1		1		1		1		1	

Analytical Data for Groundwater Samples
Saco Municipal Landfill
Saco, Maine

Parameter	MCL	MW954RD (12/19/95)		MW954RD (1/10/95)		MW955R (1/12/96)		MW956S (1/12/96)		MW956R (1/09/96)		MW957S (1/09/96)	
All units in ug/L		Value	PQL	Value	PQL	Value	PQL	Value	PQL	Value	PQL	Value	PQL
Inorganics													
Aluminum	200	69.90 UJ	200.00	116.00 U	200.00	785.00 U	200.00	176.00 U	200.00	82.10 U	200.00	390.00 U	200.00
Antimony		2.60 U	60.00	2.60 U	60.00	6.40 U	60.00	2.60 U	60.00	3.40 U	60.00	3.80 U	60.00
Arsenic	50	566.00	10.00	556.00	10.00	8.90 J	10.00	2.80 UJ	10.00	2.80 UJ	10.00	2.80 UJ	10.00
Barium	2000	372.00	200.00	463.00	200.00	52.80 J	200.00	12.50 U	200.00	20.60 U	200.00	10.80 U	200.00
Beryllium		0.12 U	5.00	0.12 U	5.00	0.12 U	5.00	0.12 U	5.00	0.12 U	5.00	0.12 U	5.00
Cadmium		0.24 U	5.00	0.24 U	5.00	0.24 U	5.00	0.24 U	5.00	0.24 U	5.00	0.24 U	5.00
Calcium		125000.00	5000.00	148000.00	5000.00	25300.00 U	5000.00	33100.00 U	5000.00	51500.00 U	5000.00	29300.00 U	5000.00
Chromium		8.40 J	10.00	10.40	10.00	0.93 U	10.00	0.54 U	10.00	0.54 U	10.00	0.54 U	10.00
Cobalt		46.60 U	50.00	12.50 J	50.00	0.61 U	50.00	0.61 U	50.00	0.61 U	50.00	1.20 J	50.00
Copper	1300	1.40 J	25.00	1.10 U	25.00	1.20 U	25.00	1.10 U	25.00	1.90 U	25.00	2.30 U	25.00
Cyanide		1.50 J	10.00	5.50 UJ	10.00	1.30 UJ	10.00	1.30 UJ	10.00	2.00 UJ	10.00	1.50 UJ	10.00
Iron	300	44400.00	100.00	41300.00	100.00	1060.00 U	100.00	1680.00 U	100.00	33.60 U	100.00	487.00 U	100.00
Lead		1.90 UJ	5.00	1.60 UJ	5.00	1.60 UJ	5.00	1.60 UJ	5.00	1.60 U	5.00	1.60 UJ	5.00
Magnesium		52100.00 J	5000.00	61500.00	5000.00	14600.00	5000.00	5470.00	5000.00	11200.00	5000.00	4240.00 U	5000.00
Manganese	50	2200.00 J	15.00	2530.00	15.00	118.00 U	15.00	705.00	15.00	91.30 U	15.00	246.00	15.00
Mercury	2	0.27 UJ	0.20	0.10 U	0.20	0.10 U	0.20	0.10 U	0.20	0.10 U	0.20	0.10 U	0.20
Nickel	100	100.00	40.00	59.10	40.00	2.70 U	40.00	1.00 U	40.00	1.10 U	40.00	1.00 U	40.00
Potassium		37800.00	5000.00	41600.00	5000.00	6960.00	5000.00	3030.00 U	5000.00	3530.00 U	5000.00	2830.00 U	5000.00
Selenium	50	3.70 U	5.00	3.70 UJ	5.00	3.70 UJ	5.00	3.70 UJ	5.00	4.30 J	5.00	3.70 UJ	5.00
Silver		0.67 U	10.00	0.67 U	10.00	0.67 U	10.00	0.67 U	10.00	0.67 U	10.00	0.67 U	10.00
Sodium		344000.00	5000.00	363000.00	5000.00	300000.00	5000.00	4940.00 U	5000.00	17900.00	5000.00	34000.00	5000.00
Thallium	2	5.50 UJ	10.00	5.50 U	10.00	5.50 U	10.00	5.50 UJ	10.00	5.50 UJ	10.00	5.50 UJ	10.00
Vanadium		1.40 U	50.00	2.10 U	50.00	0.69 J	50.00	0.48 U	50.00	0.48 U	50.00	0.60 J	50.00
Zinc	5000	19.00 UJ	20.00	28.20 U	20.00	52.20 U	20.00	29.50 U	20.00	30.70 U	20.00	25.20 U	20.00
Dilution Factor		1		1		1		1		1		1	

Parameter	MCL	MW957R (12/19/95)		MW958S (1/11/96)		MW958R (12/21/95)		MW959S (1/11/96)		MW959SD (1/11/96)		MW9511S (1/17/96)	
All units in ug/L		Value	PQL	Value	PQL	Value	PQL	Value	PQL	Value	PQL	Value	PQL
Inorganics													
Aluminum	200	430.00 J	200.00	280.00 U	200.00	891.00 J	200.00	574.00 U	200.00	177.00 U	200.00	234.00 U	200.00
Antimony		2.60 U	60.00	2.60 U	60.00	2.60 U	60.00	4.80 U	60.00	2.60 U	60.00	2.60 U	60.00
Arsenic	50	21.10	10.00	2.80 UJ	10.00	164.00	10.00	2.80 UJ	10.00	2.80 U	10.00	2.80 U	10.00
Barium	2000	13.30 J	200.00	14.10 U	200.00	57.50 J	200.00	68.90 J	200.00	55.80 J	200.00	2.30 U	200.00
Beryllium		0.28 U	5.00	0.12 U	5.00	0.26 U	5.00	0.12 U	5.00	0.12 U	5.00	0.12 U	5.00
Cadmium		0.30 U	5.00	0.24 U	5.00	0.24 U	5.00	0.24 U	5.00	0.24 U	5.00	0.24 U	5.00
Calcium		14700.00	5000.00	24700.00 U	5000.00	41700.00	5000.00	18700.00 U	5000.00	18300.00 U	5000.00	8630.00 U	5000.00
Chromium		1.70 J	10.00	0.54 U	10.00	1.30 J	10.00	0.78 U	10.00	0.54 U	10.00	0.54 U	10.00
Cobalt		5.30 J	50.00	2.80 U	50.00	74.60	50.00	1.70 U	50.00	0.80 J	50.00	0.61 U	50.00
Copper	1300	2.80 U	25.00	1.10 U	25.00	1.50 U	25.00	1.10 U	25.00	1.10 U	25.00	1.10 U	25.00
Cyanide		1.30 UJ	10.00	1.30 UJ	10.00	1.30 UJ	10.00	1.30 UJ	10.00	2.00 UJ	10.00	2.00 UJ	10.00
Iron	300	4250.00	100.00	407.00 U	100.00	35000.00	100.00	475.00 U	100.00	177.00 U	100.00	225.00 U	100.00
Lead		4.20 UJ	5.00	1.60 UJ	5.00	2.40 UJ	5.00	1.60 UJ	5.00	1.60 UJ	5.00	1.60 UJ	5.00
Magnesium		2640.00 J	5000.00	12600.00	5000.00	6310.00 J	5000.00	10200.00	5000.00	9940.00	5000.00	3320.00 U	5000.00
Manganese	50	584.00 J	15.00	354.00	15.00	8800.00 J	15.00	1250.00	15.00	1100.00	15.00	104.00 U	15.00
Mercury	2	0.18 UJ	0.20	0.10 U	0.20	0.20 UJ	0.20	0.10 U	0.20	0.10 U	0.20	0.10 U	0.20
Nickel	100	11.40 J	40.00	6.90 J	40.00	95.40	40.00	2.20 U	40.00	1.40 U	40.00	1.00 U	40.00
Potassium		587.00 U	5000.00	4250.00 J	5000.00	4470.00 J	5000.00	2480.00 U	5000.00	2430.00 U	5000.00	2290.00 U	5000.00
Selenium	50	3.70 U	5.00	4.60 J	5.00	6.90 J	5.00	3.70 UJ	5.00	3.70 UJ	5.00	3.70 UJ	5.00
Silver		0.67 U	10.00	0.67 U	10.00	0.67 U	10.00	0.67 U	10.00	0.67 U	10.00	0.67 U	10.00
Sodium		13300.00	5000.00	21600.00 U	5000.00	15600.00	5000.00	24500.00	5000.00	22700.00 U	5000.00	10500.00 U	5000.00
Thallium	2	5.50 UJ	10.00	5.50 UJ	10.00	11.00 J	10.00	5.50 UJ	10.00	5.50 U	10.00	5.50 U	10.00
Vanadium		0.48 U	50.00	1.10 J	50.00	0.95 J	50.00	1.30 J	50.00	0.48 U	50.00	0.62 J	50.00
Zinc	5000	19.00 UJ	20.00	24.90 U	20.00	24.90 U	20.00	28.70 U	20.00	23.60 U	20.00	15.20 U	20.00
Dilution Factor		1		1		1		1		1		1	

SECTION 3.0

SEDIMENT DATA

N

SW/SD-7

SW/SD-3

SW/SD-11

COMPOST AREA

SW/SD-4 PRIOR & PROPOSED SURFACE WATER/SEDIMENT SAMPLING LOCATIONS

AREA 3

AREA 4

SW/SD-8

SW/SD-9

SW/SD-10

SW/SD-6

LS-01 LEACHATE COLLECTION SYSTEM "WETWELL"

AREA 2

AREA 1

TRANSFER STATION

FOSS ROAD

BUXTON ROAD

SW/SD-21

SD-12

SW/SD-13

SD-22

SD-23

SD-24

SD-25

SW/SD-5

SW/SD-16 POND No.1

SW/SD-17

BuBois Pond

SW/SD-2

SW/SD-18

COUSINS POND

SD-19

TRIBUTARY TO DEEP BROOK

BIG LEDGE BROOK

GRAVEL PIT AREA

SW/SD-29

SD-26

SW/SD-28

SW/SD-14

SD-27

SW/SD-15

SANDY BROOK

SW/SD-20

SCALE
0 200 400
100 300

DATE	ADDITION OR REVISION

DES.BY: GWV	DR.BY: SJC	CK.BY: GWV

SACO MUNICIPAL LANDFILL

SURFACE WATER/ SEDIMENT SAMPLING LOCATIONS FIGURE 2

SCALE:	JOB NO.:
DATE: MAY 1996	SHEET:

WOODARD & CURRAN INC.
PORTLAND, ME · BANGOR, ME · DEDHAM, MA

Analytical Data for Sediment Samples
Saco Municipal Landfill
Saco, Maine

Parameter (All units in ug/Kg)	SD002 (11/17/95) Value	PQL	SD002D (11/17/95) Value	PQL	SD003 (11/17/95) Value	PQL	SD004 (11/17/95) Value	PQL	SD005(11/17/95) Value	PQL	SD006(11/17/95) Value	PQL	SD007(11/17/95) Value	PQL
Pesticides/PCBs														
4,4'-DDD	ND	5.6	ND	5.6	ND	5.9	5.8 J	8.3	ND	4.3	ND	6.3	ND	4.3
4,4'-DDE	0.22 UJ	5.6	ND	5.6	0.71 UJ	5.9	2.3 J	8.3	0.76 J	4.3	ND	6.3	ND	4.3
4,4'-DDT	ND U	5.6	ND	5.6	ND U	5.9	ND	8.3	ND	4.3	ND	6.3	ND	4.3
alpha-BHC	ND	2.9	ND	2.9	ND	3.1	ND	4.3	ND	2.2	ND	3.2	ND	2.2
alpha-Chlordane	ND	2.9	ND	2.9	ND	3.1	ND	4.3	ND	2.2	ND	3.2	ND	2.2
Aldrin	ND	2.9	ND	2.9	ND	3.1	ND	4.3	ND	2.2	ND	3.2	ND	2.2
beta-BHC	ND	2.9	ND	2.9	ND	3.1	ND	4.3	ND	2.2	ND	3.2	ND	2.2
Chlordane	ND	29.0	ND	29.0	ND	31.0	ND	43.0	ND	22.0	ND	32.0	ND	22.0
delta-BHC	ND	2.9	ND	2.9	ND	3.1	ND	4.3	ND	2.2	ND	3.2	ND	2.2
Dieldrin	ND	5.6	0.14 UJ	5.6	ND	5.9	ND	8.3	ND	4.3	ND	6.3	ND	4.3
Endrin aldehyde	ND	5.6	ND	5.6	ND	5.9	ND	8.3	ND	4.3	ND	6.3	ND	4.3
Endosulfan I	ND	2.9	ND	2.9	ND	3.1	ND	4.3	ND	2.2	ND	3.2	ND	2.2
Endosulfan II	ND	5.6	ND	5.6	ND	5.9	ND	8.3	ND	4.3	ND	6.3	ND	4.3
Endrin	ND	5.6	ND	5.6	ND	5.9	ND	8.3	ND	4.3	ND	6.3	ND	4.3
Endrin ketone	ND	5.6	ND	5.6	ND	5.9	ND	8.3	ND	4.3	ND	6.3	ND	4.3
Endosulfan sulfate	ND	5.6	ND	5.6	ND	5.9	ND	8.3	ND	4.3	ND	6.3	ND	4.3
gamma-BHC (Lindane)	ND	2.9	ND	2.9	ND	3.1	ND	4.3	ND	2.2	ND	3.2	ND	2.2
gamma-Chlordane	ND	2.9	ND	2.9	ND	3.1	ND	4.3	ND	2.2	ND	3.2	ND	2.2
Heptachlor	ND	2.9	0.15 UJ	2.9	ND	3.1	ND	4.3	ND	2.2	ND	3.2	ND	2.2
Heptachlor epoxide	ND	2.9	ND	2.9	ND	3.1	ND	4.3	ND	2.2	ND	3.2	ND	2.2
Methoxychlor	ND	29.0	ND	29.0	ND	31.0	ND	43.0	ND	22.0	ND	32.0	ND	22.0
PCB-1016	ND	29.0	ND	29.0	ND	31.0	ND	43.0	ND	22.0	ND	32.0	ND	22.0
PCB-1221	ND	56.0	ND	56.0	ND	59.0	ND	83.0	ND	43.0	ND	63.0	ND	43.0
PCB-1232	ND	29.0	ND	29.0	ND	31.0	ND	43.0	ND	22.0	ND	32.0	ND	22.0
PCB-1242	ND	29.0	ND	29.0	ND	31.0	ND	43.0	ND	22.0	ND	32.0	ND	22.0
PCB-1248	ND	29.0	ND	29.0	ND	31.0	ND	43.0	ND	22.0	ND	32.0	ND	22.0
PCB-1254	ND	29.0	ND	29.0	ND	31.0	ND	43.0	ND	22.0	ND	32.0	ND	22.0
PCB-1260	ND	29.0	ND	29.0	ND	31.0	ND	43.0	ND	22.0	ND	32.0	ND	22.0
Toxaphene	ND	56.0	ND	56.0	ND	59.0	ND	83.0	ND	43.0	ND	63.0	ND	43.0
Dilution Factor	1.7		1.7		1.8		2.5		1.3		1.9		1.3	
SVOCs														
1,2,4-Trichlorobenzene	ND	560.0	ND	560.0	ND	590.0	ND	830.0	ND	430.0	ND	630.0	ND	430.0
1,2-Dichlorobenzene	32.00 J	560.0	ND	560.0	ND	590.0	ND	830.0	ND	430.0	ND	630.0	ND	430.0
1,3-Dichlorobenzene	ND	560.0	ND	560.0	ND	590.0	ND	830.0	ND	430.0	ND	630.0	ND	430.0
1,4-Dichlorobenzene	110.00 J	560.0	56.00 J	560.0	ND	590.0	ND	830.0	ND	430.0	ND	630.0	ND	430.0
2,4,5-Trichlorophenol	ND	1400.0	ND	1400.0	ND	1500.0	ND	2100.0	ND	1100.0	ND	1600.0	ND	1100.0
2,4,6-Trichlorophenol	ND	560.0	ND	560.0	ND	590.0	ND	830.0	ND	430.0	ND	630.0	ND	430.0
2,4-Dichlorophenol	ND	560.0	ND	560.0	ND	590.0	ND	830.0	ND	430.0	ND	630.0	ND	430.0
2,4-Dimethylphenol	ND	560.0	ND	560.0	ND	590.0	ND	830.0	ND	430.0	ND	630.0	ND	430.0
2,4-Dinitrophenol	ND	1400.0	ND	1400.0	ND	1500.0	ND	2100.0	ND	1100.0	ND	1600.0	ND	1100.0
2,4-Dinitrotoluene	ND	560.0	ND	560.0	ND	590.0	ND	830.0	ND	430.0	ND	630.0	ND	430.0
2,6-Dinitrotoluene	ND	560.0	ND	560.0	ND	590.0	ND	830.0	ND	430.0	ND	630.0	ND	430.0
2-Chloronaphthalene	ND	560.0	ND	560.0	ND	590.0	ND	830.0	ND	430.0	ND	630.0	ND	430.0
2-Chlorophenol	ND	560.0	ND	560.0	ND	590.0	ND	830.0	ND	430.0	ND	630.0	ND	430.0
2-Methylnaphthalene	ND	560.0	ND	560.0	ND	590.0	ND	830.0	ND	430.0	ND	630.0	ND	430.0
2-Methylphenol	ND	560.0	ND	560.0	ND	590.0	ND	830.0	ND	430.0	ND	630.0	ND	430.0
2-Nitroaniline	ND	1400.0	ND	1400.0	ND	1500.0	ND	2100.0	ND	1100.0	ND	1600.0	ND	1100.0
2-Nitrophenol	ND	560.0	ND	560.0	ND	590.0	ND	830.0	ND	430.0	ND	630.0	ND	430.0
3,3'-Dichlorobenzidine	ND	560.0	ND	560.0	ND	590.0	ND	830.0	ND	430.0	ND	630.0	ND	430.0
3-Nitroaniline	ND	1400.0	ND	1400.0	ND	1500.0	ND	2100.0	ND	1100.0	ND	1600.0	ND	1100.0
4,6-Dinitro-2-methylphenol	ND	1400.0	ND	1400.0	ND	1500.0	ND	2100.0	ND	1100.0	ND	1600.0	ND	1100.0
4-Bromophenyl phenyl ether	ND	560.0	ND	560.0	ND	590.0	ND	830.0	ND	430.0	ND	630.0	ND	430.0
4-Chloro-3-methylphenol	50.00 J	560.0	40.00 J	560.0	ND	590.0	ND	830.0	ND	430.0	ND	630.0	ND	430.0
4-Chloroaniline	ND	560.0	ND	560.0	ND	590.0	ND	830.0	ND	430.0	ND	630.0	ND	430.0
4-Chlorophenyl phenyl ether	ND	560.0	ND	560.0	ND	590.0	ND	830.0	ND	430.0	ND	630.0	ND	430.0

Analytical Data for Sediment Samples
Saco Municipal Landfill
Saco, Maine

Parameter	SD002 (11/17/95)		SD002D (11/17/95)		SD003 (11/17/95)		SD004 (11/17/95)		SD005(11/17/95)		SD006(11/17/95)		SD007(11/17/95)	
	Value	PQL	Value	PQL	Value	PQL	Value	PQL	Value	PQL	Value	PQL	Value	PQL
4-Methylphenol	ND	560.0	ND	560.0	ND	590.0	ND	830.0	ND	430.0	ND	630.0	ND	430.0
4-Nitroaniline	ND	1400.0	ND	1400.0	ND	1500.0	ND	2100.0	ND	1100.0	ND	1600.0	ND	1100.0
4-Nitrophenol	ND	1400.0	ND	1400.0	ND	1500.0	ND	2100.0	ND	1100.0	ND	1600.0	ND	1100.0
Acenaphthene	ND	560.0	ND	560.0	ND	590.0	ND	830.0	ND	430.0	ND	630.0	ND	430.0
Acenaphthylene	ND	560.0	ND	560.0	ND	590.0	ND	830.0	ND	430.0	ND	630.0	ND	430.0
Anthracene	ND	560.0	ND	560.0	ND	590.0	ND	830.0	ND	430.0	ND	630.0	ND	430.0
bis(2-Chloroethyl)ether	ND	560.0	ND	560.0	ND	590.0	ND	830.0	ND	430.0	ND	630.0	ND	430.0
bis(2-Chloroethoxy)methane	ND	560.0	ND	560.0	ND	590.0	ND	830.0	ND	430.0	ND	630.0	ND	430.0
bis(2-Chloroisopropyl) ether	ND	560.0	ND	560.0	ND	590.0	ND	830.0	ND	430.0	ND	630.0	ND	430.0
bis(2-Ethylhexyl)phthalate	ND	560.0	560.00 UJ	560.0	ND	590.0	830.00 UJ	830.0	ND	430.0	630.00 UJ	630.0	ND	430.0
Butyl benzylphthalate	ND	560.0	ND	560.0	ND	590.0	ND	830.0	ND	430.0	ND	630.0	ND	430.0
Benzo(a)anthracene	ND	560.0	ND	560.0	ND	590.0	ND	830.0	ND	430.0	ND	630.0	ND	430.0
Benzo(a)pyrene	ND	560.0	ND	560.0	ND	590.0	ND	830.0	ND	430.0	320.00 J	630.0	ND	430.0
Benzo(b)fluoranthene	ND	560.0	ND	560.0	ND	590.0	ND	830.0	ND	430.0	57.00 J	630.0	ND	430.0
Benzo(k)fluoranthene	*ND*	*560.0*	*ND*	*560.0*	*ND*	*590.0*	*ND*	*830.0*	*ND*	*430.0*	*ND*	*630.0*	*ND*	*430.0*
Benzo(g,h,i)perylene	ND	560.0	ND	560.0	ND	590.0	ND	830.0	ND	430.0	ND	630.0	ND	430.0
Carbazole	ND	560.0	ND	560.0	ND	590.0	ND	830.0	ND	430.0	ND	630.0	ND	430.0
Chrysene	ND	560.0	ND	560.0	ND	590.0	ND	830.0	ND	430.0	ND	630.0	ND	430.0
Dibenzofuran	ND	560.0	ND	560.0	ND	590.0	ND	830.0	ND	430.0	ND	630.0	ND	430.0
Di-n-butylphthalate	ND	560.0	ND	560.0	ND	590.0	ND	830.0	ND	430.0	53.00 J	630.0	ND	430.0
Dibenzo(a,h)anthracene	ND	560.0	ND	560.0	ND	590.0	ND	830.0	ND	430.0	ND	630.0	ND	430.0
Diethylphthalate	140.00 J	560.0	ND	560.0	100.00 J	590.0	830.00 UJ	830.0	ND	430.0	ND	630.0	52.00 J	430.0
Dimethylphthalate	ND	560.0	ND	560.0	ND	590.0	ND	830.0	ND	430.0	ND	630.0	ND	430.0
Di-n-octylphthalate	ND	560.0	ND	560.0	ND	590.0	ND	830.0	ND	430.0	ND	630.0	ND	430.0
Fluoranthene	ND	560.0	ND	560.0	ND	590.0	ND	830.0	ND	430.0	ND	630.0	ND	430.0
Fluorene	ND	560.0	ND	560.0	ND	590.0	ND	830.0	ND	430.0	ND	630.0	ND	430.0
Hexachloroethane	ND	560.0	ND	560.0	ND	590.0	ND	830.0	ND	430.0	ND	630.0	ND	430.0
Hexachlorobutadiene	ND	560.0	ND	560.0	ND	590.0	ND	830.0	ND	430.0	ND	630.0	ND	430.0
Hexachlorobenzene	ND	560.0	ND	560.0	ND	590.0	ND	830.0	ND	430.0	ND	630.0	ND	430.0
Hexachlorocyclopentadiene	ND	560.0	ND	560.0	ND	590.0	ND	830.0	ND	430.0	ND	630.0	ND	430.0
Indeno(1,2,3-cd)pyrene	ND	560.0	ND	560.0	ND	590.0	ND	830.0	ND	430.0	ND	630.0	ND	430.0
Isophorone	ND	560.0	ND	560.0	ND	590.0	ND	830.0	ND	430.0	ND	630.0	ND	430.0
Naphthalene	ND	560.0	ND	560.0	ND	590.0	ND	830.0	ND	430.0	ND	630.0	ND	430.0
Nitrobenzene	ND	560.0	ND	560.0	ND	590.0	ND	830.0	ND	430.0	ND	630.0	ND	430.0
n-Nitrosodiphenylamine	ND	560.0	ND	560.0	ND	590.0	ND	830.0	ND	430.0	ND	630.0	ND	430.0
n-Nitroso-dipropylamine	ND	560.0	ND	560.0	ND	590.0	ND	830.0	ND	430.0	ND	630.0	ND	430.0
Pentachlorophenol	ND	1400.0	ND	1400.0	ND	1500.0	ND	2100.0	ND	1100.0	ND	1600.0	ND	1100.0
Phenanthrene	ND	560.0	ND	560.0	ND	590.0	63 J	830.0	ND	430.0	ND	630.0	ND	430.0
Phenol	ND	560.0	ND	560.0	ND	590.0	ND	830.0	ND	430.0	ND	630.0	ND	430.0
Pyrene	ND	560.0	ND	560.0	ND	590.0	140 J	830.0	ND	430.0	46.00 J	630.0	34.00 J	430.0
Dilution Factor	1.7		1.7		1.8		2.5		1.3		1.9		1.3	
VOCs														
1,1,1,2-tetrachloroethane											ND J	2.0		
1,1,1-Trichloroethane											ND J	2.0		
1,1,2,2-Tetrachloroethane											ND J	2.0		
1,1,2-Trichloroethane											ND J	2.0		
1,1-Dichloroethane											ND J	2.0		
1,1-Dichloroethene											ND J	2.0		
1,1-Dichloropropene			[These Samples were not analyzed for VOCs]								ND J	2.0		
1,2,3-Trichlorobenzene											ND J	2.0		
1,2,3-Trichloropropane											ND J	2.0		
1,2,4-Trichlorobenzene											ND J	2.0		
1,2,4-Trimethylbenzene											ND J	2.0		
1,2-Dibromoethane											ND J	2.0		
1,2-Dichloroethane											ND J	2.0		
1,2-Dichlorobenzene											4.00 UJ	2.0		

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Parameter	SD002 (11/17/95)		SD002D (11/17/95)		SD003 (11/17/95)		SD004 (11/17/95)		SD005(11/17/95)		SD006(11/17/95)		SD007(11/17/95)	
	Value	*PQL*	*Value*	*PQL*	*Value*	*PQL*	*Value*	*PQL*	*Value*	*PQL*	*Value*	*PQL*	*Value*	*PQL*
1,2-Dichloropropane											ND J	2.0		
1,3,5-Trimethylbenzene											ND J	2.0		
1,3-Dichlorobenzene											2.00 UJ	2.0		
1,3-Dichloropropane											ND J	2.0		
1,4-Dichlorobenzene											6.00 UJ	2.0		
2,2-Dichloropropane											ND J	2.0		
2-Chlorotoluene			[These Samples were not analyzed for VOCs]								ND J	2.0		
2-Hexanone											ND J	8.0		
4-Chlorotoluene											ND J	2.0		
4-Isopropyltoluene											ND J	2.0		
Acetone											210.00 J	10.0		
Bromochloromethane											ND J	2.0		
Bromodichloromethane											ND J	2.0		
Benzene											2.00 UJ	2.0		
Bromobenzene											ND J	2.0		
cis-1,2-Dichloroethene											ND J	2.0		
cis-1,3-Dichloropropene											ND J	2.0		
Chloroethane											12.00 J	4.0		
Bromoform											ND J	2.0		
Chloroform											2.00 UJ	2.0		
Carbon tetrachloride											ND J	2.0		
Bromomethane											ND J	4.0		
Chloromethane											ND J	4.0		
Chlorobenzene											2.00 UJ	2.0		
Dibromochloromethane											ND J	2.0		
1,2-Dibromo-3-chloropropane											ND J	2.0		
Dibromomethane											ND J	2.0		
Dichlorodifluoromethane											ND J	4.0		
Ethylbenzene											2.00 UJ	2.0		
Hexachlorobutadiene											ND J	2.0		
Isopropylbenzene											2.00 UJ	2.0		
m-Xylene/p-Xylene											ND J	2.0		
Methylene chloride											8.00 UJ	2.0		
2-Butanone											58.00 J	10.0		
4-Methyl-2-pentanone											ND J	6.0		
Naphthalene											ND J	2.0		
n-Butylbenzene											ND J	2.0		
n-Propylbenzene											ND J	2.0		
o-Xylene											ND J	2.0		
Tetrachloroethene											ND J	2.0		
sec-Butylbenzene											ND J	2.0		
Styrene											ND J	2.0		
trans-1,2-Dichloroethene											ND J	2.0		
trans-1,3-Dichloropropene											ND J	2.0		
tert-Butylbenzene											ND J	2.0		
Trichloroethene											ND J	2.0		
Trichlorofluoromethane											ND J	4.0		
Tetrahydrofuran											95.00 UJ	95.0		
Toluene											ND J	2.0		
Vinyl chloride											ND J	4.0		
Total Organic Carbon	28000.00	100.0			39000.00	100.0		100.0	5300	100.0	47000.00	100.0	28000.00	100.0
Solids-Total Residue (TS) %								0.1	78.	0.1				
Dilution Factor											1.9			

Analytical Data for Sediment Samples
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Parameter (All units in ug/Kg)	SD008(11/17/95) Value	PQL	SD009(11/17/95) Value	PQL	SD009D (11/17/95) Value	PQL	SD010 (11/17/95) Value	PQL	SD011 (11/17/95) Value	PQL	SD012 (11/17/95) Value	PQL	SD013 (11/17/95) Value	PQL
Pesticides/PCBs														
4,4'-DDD	ND	66 0	ND	5.0	ND	4.6	ND	6.6	1.60 J	7.3	ND	7.3	ND	14.0
4,4'-DDE	ND	66.0	ND	5.0	ND	4.6	ND	6.6	1.00 J	7.3	ND	7.3	ND	14.0
4,4'-DDT	ND	66.0	ND	5.0	ND	4.6	ND	6.6	ND U	7.3	ND	7.3	ND	14.0
alpha-BHC	ND	34.0	ND	2.6	ND	2.4	ND	3.4	ND	3.7	ND	3.7	ND	7.1
alpha-Chlordane	ND	34 0	ND	2 6	ND	2.4	ND	3.4	ND	3.7	ND	3.7	ND	7.1
Aldrin	ND	34.0	ND	2 6	ND	2.4	ND	3.4	0.82 UJ	3.7	ND	3.7	ND	7.1
beta-BHC	ND	34 0	ND	2 6	ND	2.4	ND	3.4	ND	3.7	ND	3.7	ND	7.1
Chlordane	ND	340.0	ND	26 0	ND	24.0	ND	34.0	ND	37.0	ND	37.0	ND	71.0
delta-BHC	ND	34.0	ND	2.6	ND	2.4	ND	3.4	ND	3.7	ND	3.7	ND	7.1
Dieldrin	ND	66.0	ND	5.0	ND	4.6	ND	6.6	ND	7.3	ND	7.3	ND	14.0
Endrin aldehyde	ND	66.0	ND	5.0	ND	4.6	ND	6.6	ND	7.3	ND	7.3	ND	14.0
Endosulfan I	ND	34.0	ND	2.6	ND	2.4	ND	3.4	ND	3.7	ND	3.7	ND	7.1
Endosulfan II	ND	66.0	ND	5.0	ND	4.6	ND	6.6	ND	7.3	ND	7.3	ND	14.0
Endrin	ND	66.0	ND	5.0	ND	4.6	ND	6.6	ND	7.3	ND	7.3	ND	14.0
Endrin ketone	ND	66.0	ND	5.0	ND	4.6	ND	6.6	ND	7.3	ND	7 3	ND	14.0
Endosulfan sulfate	ND	66.0	ND	5.0	ND	4.6	ND	6.6	0.54 UJ	7.3	ND	7.3	ND	14.0
gamma-BHC (Lindane)	ND	34.0	ND	2.6	ND	2.4	ND	3.4	ND	3.7	ND	3.7	ND	7.1
gamma-Chlordane	ND	34.0	ND	2.6	ND	2.4	ND	3.4	ND	3.7	ND	3.7	ND	7.1
Heptachlor	ND	34.0	ND	2.6	ND	2.4	ND	3.4	ND	3.7	ND	3.7	ND	7.1
Heptachlor epoxide	ND	34.0	ND	2 6	ND	2.4	ND	3.4	ND	3.7	ND	3.7	ND	7.1
Methoxychlor	ND	340.0	ND	26.0	ND	24.0	ND	34.0	ND	37.0	ND	37.0	ND	71.0
PCB-1016	ND	340.0	ND	26.0	ND	24.0	ND	34.0	ND	37.0	ND	37.0	ND	71.0
PCB-1221	ND	660.0	ND	50.0	ND	46 0	ND	66.0	ND	73.0	ND	73.0	ND	140.0
PCB-1232	ND	340.0	ND	26.0	ND	24.0	ND	34.0	ND	37.0	ND	37.0	ND	71.0
PCB-1242	ND	340.0	ND	26.0	ND	24.0	ND	34.0	ND	37.0	ND	37.0	ND	71.0
PCB-1248	ND	340.0	ND	26.0	ND	24.0	ND	34.0	ND	37.0	ND	37.0	ND	71.0
PCB-1254	ND	340.0	ND	26.0	ND	24.0	ND	34.0	ND	37.0	ND	37 0	ND	71.0
PCB-1260	ND	340.0	150.	26.0	ND	24.0	61.	34.0	ND	37.0	ND	37 0	ND	71.0
Toxaphene	ND	660.0	ND	50.0	ND	46.0	ND	66.0	ND	73 0	ND	73.0	ND	140.0
Dilution Factor	20.0		1.5		1.4		2.0		2.2		2.2		4.2	
SVOCs														
1,2,4-Trichlorobenzene	ND	660.0	ND	500 0	ND	460.0	ND	660.0	ND	730.0	ND	730.0	ND	1400.0
1,2-Dichlorobenzene	ND	660.0	36 J	500.0	ND	460.0	ND	660.0	ND	730.0	ND	730.0	ND	1400.0
1,3-Dichlorobenzene	ND	660.0	ND	500.0	ND	460.0	ND	660.0	ND	730.0	ND	730.0	ND	1400.0
1,4-Dichlorobenzene	ND	660.0	ND	500.0	ND	460.0	ND	660 0	ND	730.0	ND	730.0	ND	1400.0
2,4,5-Trichlorophenol	ND	1600.0	ND	1200.0	ND	1100.0	ND	1600.0	ND	1800.0	ND	1800.0	ND	3400.0
2,4,6-Trichlorophenol	ND	660.0	ND	500.0	ND	460.0	ND	660.0	ND	730.0	ND	730.0	ND	1400.0
2,4-Dichlorophenol	ND	660.0	ND	500.0	ND	460.0	ND	660.0	ND	730.0	ND	730.0	ND	1400.0
2,4-Dimethylphenol	ND	660.0	ND	500.0	ND	460.0	ND	660.0	ND	730.0	ND	730.0	ND	1400.0
2,4-Dinitrophenol	ND	1600.0	ND	1200.0	ND	1100.0	ND	1600.0	ND	1800.0	ND	1800.0	ND	3400.0
2,4-Dinitrotoluene	ND	660.0	ND	500.0	ND	460.0	ND	660.0	ND	730.0	ND	730.0	ND	1400.0
2,6-Dinitrotoluene	ND	660.0	ND	500 0	ND	460.0	ND	660.0	ND	730.0	ND	730.0	ND	1400.0
2-Chloronaphthalene	ND	660.0	ND	500.0	ND	460.0	ND	660.0	ND	730.0	ND	730.0	ND	1400.0
2-Chlorophenol	ND	660.0	ND	500.0	ND	460.0	ND	660.0	ND	730.0	ND	730 0	ND	1400.0
2-Methylnaphthalene	ND	660.0	ND	500.0	ND	460.0	ND	660.0	ND	730.0	ND	730.0	ND	1400.0
2-Methylphenol	ND	660 0	ND	500.0	ND	460.0	ND	660.0	ND	730.0	ND	730.0	ND	1400.0
2-Nitroaniline	ND	1600.0	ND	1200.0	ND	1100.0	ND	1600.0	ND	1800.0	ND	1800.0	ND	3400.0
2-Nitrophenol	ND	660.0	ND	500.0	ND	460.0	ND	660.0	ND	730.0	ND	730.0	ND	1400.0
3,3'-Dichlorobenzidine	ND	660.0	ND	500.0	ND	460.0	ND	660.0	ND	730.0	ND	730.0	ND	1400 0
3-Nitroaniline	ND	1600.0	ND	1200.0	ND	1100.0	ND	1600.0	ND	1800.0	ND	1800.0	ND	3400.0
4,6-Dinitro-2-methylphenol	ND	1600.0	ND	1200.0	ND	1100.0	ND	1600.0	ND	1800.0	ND	1800.0	ND	3400.0
4-Bromophenyl phenyl ether	ND	660.0	ND	500.0	ND	460.0	ND	660.0	ND	730.0	ND J	730.0	ND	1400.0
4-Chloro-3-methylphenol	ND	660.0	ND	500.0	ND	460.0	ND	660.0	ND	730 0	ND J	730.0	ND	1400.0
4-Chloroaniline	ND	660.0	ND	500.0	ND	460.0	ND	660.0	ND	730.0	ND J	730 0	ND	1400.0
4-Chlorophenyl phenyl ether	ND	660.0	ND	500.0	ND	460 0	ND	660.0	ND	730.0	ND J	730.0	ND	1400.0

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Parameter	SD008(11/17/95)		SD009(11/17/95)		SD009D (11/17/95)		SD010 (11/17/95)		SD011 (11/17/95)		SD012 (11/17/95)		SD013 (11/17/95)	
	Value	PQL	Value	PQL	Value	PQL	Value	PQL	Value	PQL	Value	PQL	Value	PQL
4-Methylphenol	ND	660.0	ND	500.0	ND	460.0	ND	660.0	ND	730.0	ND J	730.0	ND	1400.0
4-Nitroaniline	ND	1600.0	ND	1200.0	ND	1100.0	ND	1600.0	ND	1800.0	ND J	1800.0	ND	3400.0
4-Nitrophenol	ND	1600.0	ND	1200.0	ND	1100.0	ND	1600.0	ND	1800.0	ND J	1800.0	ND	3400.0
Acenaphthene	ND	660.0	ND	500.0	ND	460.0	ND	660.0	ND	730.0	ND J	730.0	ND	1400.0
Acenaphthylene	ND	660.0	ND	500.0	ND	460.0	ND	660.0	ND	730.0	ND J	730.0	ND	1400.0
Anthracene	ND	660.0	ND	500.0	ND	460.0	ND	660.0	ND	730.0	ND J	730.0	ND	1400.0
bis(2-Chloroethyl)ether	ND	660.0	ND	500.0	ND	460.0	ND	660.0	ND	730.0	ND J	730.0	ND	1400.0
bis(2-Chloroethoxy)methane	ND	660.0	ND	500.0	ND	460.0	ND	660.0	ND	730.0	ND J	730.0	ND	1400.0
bis(2-Chloroisopropyl) ether	ND	660.0	ND	500.0	ND	460.0	ND	660.0	ND	730.0	ND J	730.0	ND	1400.0
bis(2-Ethylhexyl)phthalate	660.00 UJ	660.0	ND	500.0	ND	460.0	ND	660.0	ND	730.0	730.00 J	730.0	1400.00 UJ	1400.0
Butyl benzylphthalate	ND	660.0	ND	500.0	ND	460.0	ND	660.0	ND	730.0	ND J	730.0	ND	1400.0
Benzo(a)anthracene	ND	660.0	ND	500.0	ND	460.0	ND	660.0	ND	730.0	ND J	730.0	ND	1400.0
Benzo(a)pyrene	ND	660.0	ND	500.0	ND	460.0	ND	660.0	140.00 J	730.0	ND J	730.0	210.00 J	1400.0
Benzo(b)fluoranthene	ND	660.0	ND	500.0	ND	460.0	ND	660.0	ND	730.0	ND J	730.0	ND	1400.0
Benzo(k)fluoranthene	ND	660.0	ND	500.0	ND	460.0	ND	660.0	ND	730.0	ND J	730.0	ND	1400.0
Benzo(g,h,i)perylene	ND	660.0	ND	500.0	ND	460.0	ND	660.0	ND	730.0	ND J	730.0	ND	1400.0
Carbazole	ND	660.0	ND	500.0	ND	460.0	ND	660.0	ND	730.0	ND J	730.0	ND	1400.0
Chrysene	ND	660.0	ND	500.0	ND	460.0	ND	660.0	ND	730.0	ND J	730.0	ND	1400.0
Dibenzofuran	ND	660.0	ND	500.0	ND	460.0	ND	660.0	ND	730.0	ND J	730.0	ND	1400.0
Di-n-butylphthalate	ND	660.0	ND	500.0	ND	460.0	ND	660.0	ND	730.0	ND J	730.0	ND	1400.0
Dibenzo(a,h)anthracene	ND	660.0	ND	500.0	ND	460.0	ND	660.0	ND	730.0	ND J	730.0	ND	1400.0
Diethylphthalate	ND	660.0	500.00 UJ	500.0	460.00 UJ	460.0	660.00 UJ	660.0	ND	730.0	100.00 J	730.0	190.00 J	1400.0
Dimethylphthalate	ND	660.0	ND	500.0	ND	460.0	ND	660.0	ND	730.0	ND J	730.0	ND	1400.0
Di-n-octylphthalate	ND	660.0	ND	500.0	ND	460.0	ND	660.0	ND	730.0	ND J	730.0	ND	1400.0
Fluoranthene	ND	660.0	ND	500.0	ND	460.0	54 J	660.0	ND	730.0	ND J	730.0	ND	1400.0
Fluorene	ND	660.0	ND	500.0	ND	460.0	ND	660.0	ND	730.0	ND J	730.0	ND	1400.0
Hexachloroethane	ND	660.0	ND	500.0	ND	460.0	ND	660.0	ND	730.0	ND J	730.0	ND	1400.0
Hexachlorobutadiene	ND	660.0	ND	500.0	ND	460.0	ND	660.0	ND	730.0	ND J	730.0	ND	1400.0
Hexachlorobenzene	ND	660.0	ND	500.0	ND	460.0	ND	660.0	ND	730.0	ND J	730.0	ND	1400.0
Hexachlorocyclopentadiene	ND	660.0	ND	500.0	ND	460.0	ND	660.0	ND	730.0	ND J	730.0	ND	1400.0
Indeno(1,2,3-cd)pyrene	ND	660.0	ND	500.0	ND	460.0	ND	660.0	ND	730.0	ND J	730.0	ND	1400.0
Isophorone	ND	660.0	ND	500.0	ND	460.0	ND	660.0	ND	730.0	ND J	730.0	ND	1400.0
Naphthalene	ND	660.0	ND	500.0	ND	460.0	ND	660.0	ND	730.0	ND J	730.0	ND	1400.0
Nitrobenzene	ND	660.0	ND	500.0	ND	460.0	ND	660.0	ND	730.0	ND J	730.0	ND	1400.0
n-Nitrosodiphenylamine	ND	660.0	ND	500.0	ND	460.0	ND	660.0	ND	730.0	ND J	730.0	ND	1400.0
n-Nitroso-dipropylamine	ND	660.0	ND	500.0	ND	460.0	ND	660.0	ND	730.0	ND J	730.0	ND	1400.0
Pentachlorophenol	ND	1600.0	ND	1200.0	ND	1100.0	ND	1600.0	ND	1800.0	ND J	1800.0	ND	3400.0
Phenanthrene	ND	660.0	ND	500.0	ND	460.0	ND	660.0	ND	730.0	ND J	730.0	ND	1400.0
Phenol	ND	660.0	ND	500.0	ND	460.0	ND	660.0	ND	730.0	ND J	730.0	ND	1400.0
Pyrene	63 J	660.0	41 J	500.0	ND	460.0	44 J	660.0	ND	730.0	67.00 J	730.0	ND	1400.0
Dilution Factor	2.0		1.5		1.4		2.0		2.2		2.2		4.2	
VOCs														
1,1,1,2-tetrachloroethane	ND J	2.0	ND J	2.0	ND J	1.0					ND J	2.0		
1,1,1-Trichloroethane	ND J	2.0	ND J	2.0	ND J	1.0					ND J	2.0		
1,1,2,2-Tetrachloroethane	ND J	2.0	ND J	2.0	ND J	1.0					ND J	2.0		
1,1,2-Trichloroethane	ND J	2.0	ND J	2.0	ND J	1.0					ND J	2.0		
1,1-Dichloroethane	ND J	2.0	ND J	2.0	ND J	1.0					1.00 J	2.0		
1,1-Dichloroethene	ND J	2.0	ND J	2.0	ND J	1.0					ND J	2.0		
1,1-Dichloropropene	ND J	2.0	ND J	2.0	ND J	1.0					ND J	2.0		
1,2,3-Trichlorobenzene	ND J	2.0	1 J	2.0	ND J	1.0	[These Samples were not analyzed for VOCs]				ND J	2.0	This Sample was not	
1,2,3-Trichloropropane	ND J	2.0	ND J	2.0	ND J	1.0					ND J	2.0	analyzed for VOCs	
1,2,4-Trichlorobenzene	ND J	2.0	2.00 UJ	2.0	1 J	1.0					1.00 J	2.0		
1,2,4-Trimethylbenzene	ND J	2.0	1 J	2.0	ND J	1.0					ND J	2.0		
1,2-Dibromoethane	ND J	2.0	ND J	2.0	ND J	1.0					ND J	2.0		
1,2-Dichloroethane	ND J	2.0	ND J	2.0	ND J	1.0					1.00 J	2.0		
1,2-Dichlorobenzene	2.00 UJ	2.0	3 UJ	2.0	2 UJ	1.0					4.00 UJ	2.0		

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Parameter	SD008(11/17/95)		SD009(11/17/95)		SD009D (11/17/95)		SD010 (11/17/95)		SD011 (11/17/95)		SD012 (11/17/95)		SD013 (11/17/95)	
	Value	PQL	Value	PQL	Value	PQL	Value	PQL	Value	PQL	Value	PQL	Value	PQL
1,2-Dichloropropane	ND J	2.0	ND J	2.0	ND J	1.0					ND J	2.0		
1,3,5-Trimethylbenzene	2.00 UJ	2.0	1 J	2.0	ND J	1.0					1.00 J	2.0		
1,3-Dichlorobenzene	2.00 UJ	2.0	2.00 UJ	2.0	1 UJ	1.0					2.00 UJ	2.0		
1,3-Dichloropropane	ND J	2.0	ND J	2.0	ND J	1.0	[These Samples were not analyzed for VOCs]				ND J	2.0		
1,4-Dichlorobenzene	2.00 UJ	2.0	3 UJ	2.0	3 UJ	1.0					5.00 UJ	2.0		
2,2-Dichloropropane	ND J	2.0	ND J	2.0	ND J	1.0					ND J	2.0		
2-Chlorotoluene	ND J	2.0	2.00 UJ	2.0	ND J	1.0					ND J	2.0		
2-Hexanone	ND J	8.0	ND J	6.0	ND J	6.0					ND J	7.0		
4-Chlorotoluene	ND J	2.0	2.00 UJ	2.0	ND J	1.0					ND J	2.0		
4-Isopropyltoluene	ND J	2.0	ND J	2.0	ND J	1.0					ND J	2.0		
Acetone	72 J	10.0	ND J	8.0	ND J	7.0					210.00 J	9.0		
Bromochloromethane	ND J	2.0	ND J	2.0	ND J	1.0					ND J	2.0		
Bromodichloromethane	ND J	2.0	ND J	2.0	ND J	1.0					ND J	2.0		
Benzene	2.00 UJ	2.0	1 J	2.0	ND J	1.0					2.00 UJ	2.0		
Bromobenzene	ND J	2.0	2.00 UJ	2.0	ND J	1.0					ND J	2.0		
cis-1,2-Dichloroethene	ND J	2.0	ND J	2.0	ND J	1.0					1.00 J	2.0		
cis-1,3-Dichloropropene	ND J	1.0	ND J	1.0	ND J	1.0					ND J	2.0		
Chloroethane	ND J	4.0	ND J	3.0	ND J	3.0					6.00 J	4.0		
Bromoform	ND J	2.0	ND J	2.0	ND J	1.0					ND J	2.0		
Chloroform	2.00 UJ	2.0	1 J	2.0	1 UJ	1.0					2.00 UJ	2.0		
Carbon tetrachloride	ND J	2.0	ND J	2.0	ND J	1.0					ND J	2.0		
Bromomethane	ND J	4.0	ND J	3.0	ND J	3.0					ND J	4.0		
Chloromethane	ND J	4.0	ND J	3.0	ND J	3.0					ND J	4.0		
Chlorobenzene	ND J	2.0	1 J	2.0	ND J	1.0					2.00 UJ	2.0		
Dibromochloromethane	ND J	2.0	ND J	2.0	ND J	1.0					ND J	2.0		
1,2-Dibromo-3-chloropropane	ND J	2.0	ND J	2.0	ND J	1.0					ND J	2.0		
Dibromomethane	ND J	2.0	ND J	2.0	ND J	1.0					ND J	2.0		
Dichlorodifluoromethane	ND J	4.0	ND J	3.0	ND J	3.0					ND J	4.0		
Ethylbenzene	ND J	2.0	2.00 UJ	2.0	ND J	1.0					ND J	2.0		
Hexachlorobutadiene	ND J	2.0	2.00 UJ	2.0	ND J	1.0					ND J	2.0		
Isopropylbenzene	2.00 UJ	2.0	2.00 UJ	2.0	ND J	1.0					2.00 UJ	2.0		
m-Xylene/p-Xylene	2.00 UJ	2.0	2.00 UJ	2.0	1 UJ	1.0					2.00 UJ	2.0		
Methylene chloride	8 UJ	2.0	10 UJ	2.0	8 UJ	1.0					10.00 UJ	2.0		
2-Butanone	25. J	10.0	ND J	8.0	4 J	7.0					59.00 J	9.0		
4-Methyl-2-pentanone	ND J	6.0	ND J	5.0	ND J	4.0					ND J	5.0		
Naphthalene	ND J	2.0	ND J	2.0	ND J	1.0					ND J	2.0		
n-Butylbenzene	ND J	2.0	ND J	2.0	ND J	1.0					1.00 J	2.0		
n-Propylbenzene	ND J	2.0	2.00 UJ	2.0	ND J	1.0					ND J	2.0		
o-Xylene	2.00 UJ	2.0	ND J	2.0	ND J	1.0					ND J	2.0		
Tetrachloroethene	ND J	2.0	ND J	2.0	ND J	1.0					ND J	2.0		
sec-Butylbenzene	ND J	2.0	2.00 UJ	2.0	ND J	1.0					1.00 J	2.0		
Styrene	ND J	2.0	ND J	2.0	ND J	1.0					ND J	2.0		
trans-1,2-Dichloroethene	ND J	2.0	ND J	2.0	ND J	1.0					ND J	2.0		
trans-1,3-Dichloropropene	ND J	1.0	ND J	1.0	ND J	1.0					ND J	2.0		
tert-Butylbenzene	ND J	2.0	2.00 UJ	2.0	ND J	1.0					ND J	2.0		
Trichloroethene	ND J	2.0	ND J	2.0	ND J	1.0					ND J	2.0		
Trichlorofluoromethane	ND J	4.0	ND J	3.0	ND J	3.0					ND J	4.0		
Tetrahydrofuran	31 J	100.0	75.00 UJ	75.0	ND J	70.0					90.00 UJ	90.0		
Toluene	ND J	2.0	2.00 UJ	2.0	ND J	1.0					2.00 UJ	2.0		
Vinyl chloride	ND J	4.0	ND J	3.0	ND J	3.0					ND J	4.0		
Total Organic Carbon	61000	100.0	15000	100.0	5100	100.0	25000	100.0	90000.00	100.0	22000.00	100.0	35000.00	100.0
Solids-Total Residue (TS) %	51.	0.1	68.	0.1	73.	0.1	50.	0.1						
Dilution Factor	2.0		1.5		1.4						1.8			

Analytical Data for Sediment Samples
Saco Municipal Landfill
Saco, Maine

Parameter (All units in ug/Kg)	SD014 (11/17/95) Value	PQL	SD015 (11/17/95) Value	PQL	SD016 (11/17/95) Value	PQL	SD017 (11/17/95) Value	PQL	SD018 (11/17/95) Value	PQL	SD019 (11/17/95) Value	PQL	SD020 (11/17/95) Value	PQL
Pesticides/PCBs														
4,4'-DDD	ND	5.0	ND	5.9	ND	6.3	ND	5.9	ND	14.0	ND	6.3	ND	4.6
4,4'-DDE	ND	5.0	ND	5.9	0.29 J	6.3	ND	5.9	ND	14.0	ND	6.3	0.49 UJ	4.6
4,4'-DDT	ND	5.0	ND	5.9	ND	6.3	ND	5.9	ND	14.0	ND	6.3	ND U	4.6
alpha-BHC	ND	2.6	ND	3.1	ND	3.2	ND	3.1	ND	7.1	ND	3.2	ND	2.4
alpha-Chlordane	ND	2.6	ND	3.1	ND	3.2	ND	3.1	ND	7.1	ND	3.2	ND	2.4
Aldrin	ND	2.6	ND	3.1	ND	3.2	ND	3.1	ND	7.1	ND	3.2	ND	2.4
beta-BHC	ND	2.6	ND	3.1	ND	3.2	ND	3.1	ND	7.1	ND	3.2	ND	2.4
Chlordane	ND	26.0	ND	31.0	ND	32.0	ND	31.0	ND	71.0	ND	32.0	ND	24.0
delta-BHC	ND	2.6	ND	3.1	ND	3.2	ND	3.1	ND	7.1	ND	3.2	ND	2.4
Dieldrin	ND	5.0	ND	5.9	ND	6.3	ND	5.9	ND	14.0	ND	6.3	ND	4.6
Endrin aldehyde	ND	5.0	ND	5.9	ND	6.3	ND	5.9	ND	14.0	ND	6.3	ND	4.6
Endosulfan I	ND	2.6	ND	3.1	ND	3.2	ND	3.1	ND	7.1	ND	3.2	ND	2.4
Endosulfan II	ND	5.0	ND	5.9	ND	6.3	ND	5.9	ND	14.0	ND	6.3	ND	4.6
Endrin	*ND*	*5.0*	*ND*	*5.9*	*ND*	*6.3*	*ND*	*5.9*	*ND*	*14.0*	*ND*	*6.3*	*ND*	*4.6*
Endrin ketone	ND	5.0	ND	5.9	ND	6.3	ND	5.9	ND	14.0	ND	6.3	ND	4.6
Endosulfan sulfate	ND	5.0	ND	5.9	ND	6.3	ND	5.9	ND	14.0	ND	6.3	ND	4.6
gamma-BHC (Lindane)	ND	2.6	ND	3.1	ND	3.2	ND	3.1	ND	7.1	ND	3.2	ND	2.4
gamma-Chlordane	ND	2.6	ND	3.1	ND	3.2	ND	3.1	ND	7.1	ND	3.2	ND	2.4
Heptachlor	ND	2.6	ND	3.1	ND	3.2	ND	3.1	ND	7.1	ND	3.2	ND	2.4
Heptachlor epoxide	ND	2.6	ND	3.1	ND	3.2	ND	3.1	ND	7.1	ND	3.2	ND	2.4
Methoxychlor	ND	26.0	ND	31.0	ND	32.0	ND	31.0	ND	71.0	ND	32.0	ND	24.0
PCB-1016	ND	26.0	ND	31.0	ND	32.0	ND	31.0	ND	71.0	ND	32.0	ND	24.0
PCB-1221	ND	50.0	ND	59.0	ND	63.0	ND	59.0	ND	140.0	ND	63.0	ND	46.0
PCB-1232	ND	26.0	ND	31.0	ND	32.0	ND	31.0	ND	71.0	ND	32.0	ND	24.0
PCB-1242	ND	26.0	ND	31.0	ND	32.0	ND	31.0	ND	71.0	ND	32.0	ND	24.0
PCB-1248	ND	26.0	ND	31.0	ND	32.0	ND	31.0	ND	71.0	ND	32.0	ND	24.0
PCB-1254	ND	26.0	ND	31.0	ND	32.0	ND	31.0	ND	71.0	ND	32.0	ND	24.0
PCB-1260	ND	26.0	ND	31.0	ND	32.0	ND	31.0	ND	71.0	ND	32.0	ND	24.0
Toxaphene	ND	50.0	ND	59.0	ND	63.0	ND	59.0	ND	140.0	ND	63.0	ND	46.0
Dilution Factor	1.5		1.8		1.9		1.8		4.2		1.9		1.4	
SVOCs														
1,2,4-Trichlorobenzene	ND	460.0	ND	590.0	ND	630.0	ND	590.0	ND	1400.0	ND	630.0	ND	460.0
1,2-Dichlorobenzene	ND	460.0	ND	590.0	ND	630.0	ND	590.0	ND	1400.0	ND	630.0	ND	460.0
1,3-Dichlorobenzene	ND	460.0	ND	590.0	ND	630.0	ND	590.0	ND	1400.0	ND	630.0	ND	460.0
1,4-Dichlorobenzene	ND	460.0	ND	590.0	ND	630.0	ND	590.0	ND	1400.0	ND	630.0	ND	460.0
2,4,5-Trichlorophenol	ND	1100.0	ND	1500.0	ND	1600.0	ND	1500.0	ND	3400.0	ND	1600.0	ND	1100.0
2,4,6-Trichlorophenol	ND	460.0	ND	590.0	ND	630.0	ND	590.0	ND	1400.0	ND	630.0	ND	460.0
2,4-Dichlorophenol	ND	460.0	ND	590.0	ND	630.0	ND	590.0	ND	1400.0	ND	630.0	ND	460.0
2,4-Dimethylphenol	ND	460.0	ND	590.0	ND	630.0	ND	590.0	ND	1400.0	ND	630.0	ND	460.0
2,4-Dinitrophenol	ND	1100.0	ND	1500.0	ND	1600.0	ND	1500.0	ND	3400.0	ND	1600.0	ND	1100.0
2,4-Dinitrotoluene	ND	460.0	ND	590.0	ND	630.0	ND	590.0	ND	1400.0	ND	630.0	ND	460.0
2,6-Dinitrotoluene	ND	460.0	ND	590.0	ND	630.0	ND	590.0	ND	1400.0	ND	630.0	ND	460.0
2-Chloronaphthalene	ND	460.0	ND	590.0	ND	630.0	ND	590.0	ND	1400.0	ND	630.0	ND	460.0
2-Chlorophenol	ND	460.0	ND	590.0	ND	630.0	ND	590.0	ND	1400.0	ND	630.0	ND	460.0
2-Methylnaphthalene	ND	460.0	ND	590.0	ND	630.0	ND	590.0	ND	1400.0	ND	630.0	ND	460.0
2-Methylphenol	ND	460.0	ND	590.0	ND	630.0	ND	590.0	ND	1400.0	ND	630.0	ND	460.0
2-Nitroaniline	ND	1100.0	ND	1500.0	ND	1600.0	ND	1500.0	ND	3400.0	ND	1600.0	ND	1100.0
2-Nitrophenol	ND	460.0	ND	590.0	ND	630.0	ND	590.0	ND	1400.0	ND	630.0	ND	460.0
3,3'-Dichlorobenzidine	ND	460.0	ND	590.0	ND	630.0	ND	590.0	ND	1400.0	ND	630.0	ND	460.0
3-Nitroaniline	ND	1100.0	ND	1500.0	ND	1600.0	ND	1500.0	ND	3400.0	ND	1600.0	ND	1100.0
4,6-Dinitro-2-methylphenol	ND	1100.0	ND	1500.0	ND	1600.0	ND	1500.0	ND	3400.0	ND	1600.0	ND	1100.0
4-Bromophenyl phenyl ether	ND	460.0	ND	590.0	ND	630.0	ND	590.0	ND	1400.0	ND	630.0	ND	460.0
4-Chloro-3-methylphenol	ND	460.0	ND	590.0	ND	630.0	ND	590.0	ND	1400.0	ND	630.0	ND	460.0
4-Chloroaniline	ND	460.0	ND	590.0	ND	630.0	ND	590.0	ND	1400.0	ND	630.0	ND	460.0
4-Chlorophenyl phenyl ether	ND	460.0	ND	590.0	ND	630.0	ND	590.0	ND	1400.0	ND	630.0	ND	460.0

Analytical Data for Sediment Samples
Saco Municipal Landfill
Saco, Maine

Parameter	SD014 (11/17/95)		SD015 (11/17/95)		SD016 (11/17/95)		SD017 (11/17/95)		SD018 (11/17/95)		SD019 (11/17/95)		SD020 (11/17/95)	
	Value	PQL	Value	PQL	Value	PQL	Value	PQL	Value	PQL	Value	PQL	Value	PQL
4-Methylphenol	ND	460.0	ND	590.0	ND	630 0	ND	590.0	ND	1400.0	ND	630.0	ND	460.0
4-Nitroaniline	ND	1100.0	ND	1500.0	ND	1600.0	ND	1500.0	ND	3400.0	ND	1600.0	ND	1100.0
4-Nitrophenol	ND	1100.0	ND	1500.0	ND	1600.0	ND	1500.0	ND	3400.0	ND	1600.0	ND	1100.0
Acenaphthene	ND	460.0	ND	590.0	ND	630.0	ND	590.0	ND	1400.0	ND	630.0	ND	460 0
Acenaphthylene	ND	460.0	ND	590.0	ND	630.0	ND	590.0	ND	1400.0	ND	630.0	ND	460 0
Anthracene	ND	460.0	ND	590.0	ND	630.0	ND	590.0	ND	1400.0	ND	630.0	ND	460.0
bis(2-Chloroethyl)ether	ND	460.0	ND	590.0	ND	630.0	ND	590.0	ND	1400.0	ND	630.0	ND	460.0
bis(2-Chloroethoxy)methane	ND	460.0	ND	590.0	ND	630.0	ND	590.0	ND	1400.0	ND	630.0	ND	460.0
bis(2-Chloroisopropyl) ether	ND	460.0	ND	590.0	ND	630.0	ND	590.0	ND	1400.0	ND	630 0	ND	460.0
bis(2-Ethylhexyl)phthalate	ND	460.0	590.00 UJ	590.0	ND	630.0	ND	590.0	ND	1400.0	630.00	630.0	460.00 UJ	460.0
Butyl benzylphthalate	ND	460.0	ND	590.0	ND	630.0	ND	590.0	ND	1400.0	ND	630.0	ND	460.0
Benzo(a)anthracene	ND	460.0	ND	590.0	ND	630.0	ND	590.0	ND	1400.0	ND	630.0	ND	460.0
Benzo(a)pyrene	ND	460.0	47.00 J	590.0	ND	630.0	ND	590.0	ND	1400.0	180.00 J	630 0	48.00 J	460.0
Benzo(b)fluoranthene	ND	460.0	ND	590.0	ND	630.0	ND	590.0	ND	1400.0	ND	630.0	68.00 J	460.0
Benzo(k)fluoranthene	ND	460.0	ND	590.0	ND	630.0	ND	590.0	ND	1400.0	ND	630.0	ND	460 0
Benzo(g,h,i)perylene	ND	460.0	ND	590.0	ND	630.0	ND	590.0	ND	1400.0	ND	630.0	ND	460.0
Carbazole	ND	460.0	ND	590.0	ND	630 0	ND	590.0	ND	1400.0	ND	630.0	ND	460.0
Chrysene	ND	460 0	ND	590.0	ND	630.0	ND	590.0	ND	1400.0	ND	630.0	57.00 J	460.0
Dibenzofuran	ND	460.0	ND	590.0	ND	630.0	ND	590.0	ND	1400.0	ND	630.0	ND	460.0
Di-n-butylphthalate	ND	460.0	ND	590 0	ND	630 0	ND	590.0	ND	1400.0	ND	630.0	ND	460.0
Dibenzo(a,h)anthracene	ND	460.0	ND	590.0	ND	630.0	ND	590.0	ND	1400.0	ND	630.0	ND	460.0
Diethylphthalate	ND	460.0	76.00 J	590.0	ND	630.0	590 00 UJ	590 0	ND	1400.0	69.00 J	630.0	ND	460.0
Dimethylphthalate	ND	460.0	ND	590.0	ND	630.0	ND	590.0	ND	1400.0	ND	630.0	ND	460.0
Di-n-octylphthalate	ND	460 0	ND	590.0	ND	630.0	ND	590.0	ND	1400.0	ND	630.0	ND	460.0
Fluoranthene	ND	460.0	ND	590.0	ND	630.0	ND	590.0	ND	1400.0	ND	630.0	89 00 J	460.0
Fluorene	ND	460.0	ND	590.0	ND	630.0	ND	590.0	ND	1400.0	ND	630.0	ND	460.0
Hexachloroethane	ND	460.0	ND	590.0	ND	630.0	ND	590.0	ND	1400 0	ND	630.0	ND	460 0
Hexachlorobutadiene	ND	460.0	ND	590.0	ND	630.0	ND	590.0	ND	1400.0	ND	630.0	ND	460.0
Hexachlorobenzene	ND	460.0	ND	590.0	ND	630.0	ND	590 0	ND	1400.0	ND	630.0	ND	460 0
Hexachlorocyclopentadiene	ND	460.0	ND	590 0	ND	630 0	ND	590.0	ND	1400.0	ND	630.0	ND	460.0
Indeno(1,2,3-cd)pyrene	ND	460.0	ND	590.0	ND	630.0	ND	590.0	ND	1400.0	ND	630.0	ND	460.0
Isophorone	ND	460.0	ND	590.0	ND	630.0	ND	590.0	ND	1400.0	ND	630.0	ND	460.0
Naphthalene	ND	460.0	ND	590.0	ND	630.0	ND	590.0	ND	1400.0	ND	630.0	ND	460.0
Nitrobenzene	ND	460.0	ND	590.0	ND	630.0	ND	590.0	ND	1400.0	ND	630.0	ND	460.0
n-Nitrosodiphenylamine	ND	460.0	ND	590.0	ND	630.0	ND	590.0	ND	1400.0	ND	630.0	ND	460.0
n-Nitroso-dipropylamine	ND	460.0	ND	590.0	ND	630.0	ND	590.0	ND	1400.0	ND	630.0	ND	460.0
Pentachlorophenol	ND	1100.0	ND	1500.0	ND	1600.0	ND	1500.0	ND	3400.0	ND	1600 0	ND	1100.0
Phenanthrene	ND	460.0	ND	590.0	ND	630.0	ND	590.0	ND	1400.0	ND	630.0	50 00 J	460.0
Phenol	ND	460.0	ND	590.0	ND	630.0	ND	590.0	ND	1400.0	ND	630.0	ND	460.0
Pyrene	ND	460.0	ND	590.0	ND	630.0	ND	590.0	ND	1400.0	ND	630.0	85.00 J	460.0
Dilution Factor	1.4		1.8		1.9		1.8		4.2		1.9		1.4	
VOCs														
1,1,1,2-tetrachloroethane														
1,1,1-Trichloroethane														
1,1,2,2-Tetrachloroethane														
1,1,2-Trichloroethane														
1,1-Dichloroethane														
1,1-Dichloroethene														
1,1-Dichloropropene														
1,2,3-Trichlorobenzene														
1,2,3-Trichloropropane														
1,2,4-Trichlorobenzene														
1,2,4-Trimethylbenzene														
1,2-Dibromoethane														
1,2-Dichloroethane														
1,2-Dichlorobenzene														

[These Samples were not analyzed for VOCs]

Analytical Data for Sediment Samples
Saco Municipal Landfill
Saco, Maine

Parameter	SD014 (11/17/95)		SD015 (11/17/95)		SD016 (11/17/95)		SD017 (11/17/95)		SD018 (11/17/95)		SD019 (11/17/95)		SD020 (11/17/95)	
	Value	PQL	Value	PQL	Value	PQL	Value	PQL	Value	PQL	Value	PQL	Value	PQL
1,2-Dichloropropane														
1,3,5-Trimethylbenzene														
1,3-Dichlorobenzene														
1,3-Dichloropropane														
1,4-Dichlorobenzene					[These Samples were not analyzed for VOCs]									
2,2-Dichloropropane														
2-Chlorotoluene														
2-Hexanone														
4-Chlorotoluene														
4-Isopropyltoluene														
Acetone														
Bromochloromethane														
Bromodichloromethane														
Benzene														
Bromobenzene														
cis-1,2-Dichloroethene														
cis-1,3-Dichloropropene														
Chloroethane														
Bromoform														
Chloroform														
Carbon tetrachloride														
Bromomethane														
Chloromethane														
Chlorobenzene														
Dibromochloromethane														
1,2-Dibromo-3-chloropropane														
Dibromomethane														
Dichlorodifluoromethane														
Ethylbenzene														
Hexachlorobutadiene														
Isopropylbenzene														
m-Xylene/p-Xylene														
Methylene chloride														
2-Butanone														
4-Methyl-2-pentanone														
Naphthalene														
n-Butylbenzene														
n-Propylbenzene														
o-Xylene														
Tetrachloroethene														
sec-Butylbenzene														
Styrene														
trans-1,2-Dichloroethene														
trans-1,3-Dichloropropene														
tert-Butylbenzene														
Trichloroethene														
Trichlorofluoromethane														
Tetrahydrofuran														
Toluene														
Vinyl chloride														
Total Organic Carbon	3100	100.0	11000.00	100.0	16000	100.0	10000	100.0	39000.00	100.0	24000.00	100.0	9100.00	100.0
Solids-Total Residue (TS) %	69.	0.1			54.	0.1	56.	0.1						
Dilution Factor														

Analytical Data for Sediment Samples
Saco Municipal Landfill
Saco, Maine

Parameter	SD002 (11/17/95)		SD002D (11/17/95)		SD003 (11/17/95)		SD004 (11/17/95)		SD005 (11/17/95)		SD006 (11/17/95)	
All units in mg/Kg	Value	PQL	Value	PQL	Value	PQL	Value	PQL	Value	PQL	Value	PQL
Inorganics												
Aluminum	3880.00 J	33.33	2860.00 J	33.61	18200.00 J	35.84	29000.00 J	49.50	4010.00 J	25.71	8590.00 J	37.24
Antimony	0.340 UJ	10.00	0.360 UJ	10.08	0.380 UJ	10.75	0.580 UJ	14.85	0.220 UJ	7.71	0.440 UJ	11.17
Arsenic	18.30 J	1.67	44.40 J	1.68	15.90 J	1.79	20.10 J	2.48	11.90 J	1.29	1130.00 J	18.62
Barium	30.60 J	33.33	38.90 J	33.61	87.50 J	35.84	144.00 J	49.50	15.60 J	25.71	131.00 J	37.24
Beryllium	0.51 J	0.83	0.38 J	0.84	1.30	0.90	1.90	1.24	0.29 U	0.64	0.62 J	0.93
Cadmium	0.030 U	0.83	0.030 U	0.84	0.04 U	0.90	0.060 U	1.24	0.020 U	0.64	0.040 U	0.93
Calcium	966.00	833.33	1140.00	840.34	2300.00	896.06	5640.00	1237.62	511.00	642.67	4060.00 J	9310.99
Chromium	7.00 J	1.67	6.80 J	1.68	25.80 J	1.79	85.00 J	2.48	9.50 J	1.29	25.00 J	1.86
Cobalt	3.30 J	8.33	3.10 J	8.40	23.60 J	8.96	17.30 J	12.38	2.70 J	6.43	9.00 J	9.31
Copper	2.70 J	4.17	2.90 J	4.20	6.70	4.48	24.70	6.19	1.50 J	3.21	9.90	4.66
Iron	20500.00 J	16.67	45400.00 J	33.61	24500.00 J	17.92	31000.00 J	24.75	5390.00 J	12.85	137000.00 J	186.22
Lead	5.90	0.83	6.60	0.84	22.60	0.90	27.80	1.24	4.40	0.64	8.50	0.93
Magnesium	1000.00 J	833.33	809.00 J	840.34	3240.00 J	896.06	8610.00 J	1237.62	1420.00 J	642.67	2720.00 J	931.10
Manganese	*109.00 J*	*2.50*	*201.00 J*	*2.52*	*6780.00 J*	*134.41*	*605.00 J*	*3.71*	*72.70 J*	*1.93*	*1440.00 J*	*27.93*
Mercury	0.060 U	0.17	0.060 U	0.17	0.12 UJ	0.18	0.28 U	0.25	0.09 U	0.13	0.060 U	0.19
Nickel	4.20 J	6.67	3.40 J	6.72	16.90 J	7.17	34.00 J	9.90	4.80 J	5.14	20.20 J	7.45
Potassium	933.00 J	833.33	681.00 U	840.34	1690.00	896.06	6640.00	1237.62	471.00 U	642.67	1510.00	931.10
Selenium	0.50 J	0.83	0.64 J	0.84	3.40 J	0.90	0.850 UJ	1.24	0.330 UJ	0.64	0.650 UJ	0.93
Silver	0.090 U	1.67	0.090 UJ	1.68	0.100 U	1.79	0.150 U	2.48	0.060 U	1.29	0.120 U	1.86
Sodium	80.70 UJ	833.33	180.00 UJ	840.34	70.00 UJ	896.06	373.00 UJ	1237.62	71.40 UJ	642.67	334.00 UJ	931.10
Thallium	0.720 U	1.67	0.770 U	1.68	6.70	1.79	1.60 J	2.48	0.480 U	1.29	9.500 U	18.62
Vanadium	8.20 J	8.33	6.80 J	8.40	41.20 J	8.96	50.20 J	12.38	6.60 J	6.43	17.50 J	9.31
Zinc	27.70 UJ	3.33	38.10 UJ	6.72	78.10 J	3.58	126.00 J	4.95	21.70 J	2.57	40.80 J	3.72
Dilution Factor	1.7		1.7		1.8		2.5		1.3		1.9	

Parameter	SD007 (11/17/95)		SD008 (11/17/95)		SD009 (11/17/95)		SD009D (11/17/95)		SD010 (11/17/95)		SD011 (11/17/95)	
All units in mg/Kg	Value	PQL	Value	PQL	Value	PQL	Value	PQL	Value	PQL	Value	PQL
Inorganics												
Aluminum	6000.00 J	26.81	8370.00 J	39.37	5080.00 J	29.54	6460.00 J	27.36	8760.00 J	40.00	16200.00 J	44.54
Antimony	0.330 UJ	8.04	0.400 UJ	11.81	0.350 UJ	8.86	0.260 UJ	8.21	0.430 UJ	12.00	0.530 UJ	13.36
Arsenic	6.50 J	1.34	4.00 J	1.97	2.20 J	1.48	2.20 J	1.37	4.90 J	2.00	7.90 J	2.23
Barium	27.80 J	26.81	45.90 J	39.37	19.30 J	29.54	23.80 J	27.36	46.60 J	40.00	60.70 J	44.54
Beryllium	0.76	0.67	0.79 J	0.98	0.47 J	0.74	0.51 J	0.68	0.83 J	1.00	0.97 J	1.11
Cadmium	0.030 U	0.67	0.04 U	0.98	0.030 U	0.74	0.030 U	0.68	0.040 U	1.00	0.050 U	1.11
Calcium	727.00	670.24	2230.00	984.25	936.00	738.55	1070.00	683.99	1660.00	1000.00	2360.00	1113.59
Chromium	7.00 J	1.34	11.70 J	1.97	6.90 J	1.48	8.80 J	1.37	26.20 J	2.00	20.60 J	2.23
Cobalt	4.20 J	6.70	4.60 J	9.84	2.50 J	7.39	2.70 J	6.84	5.50 J	10.00	6.90 J	11.14
Copper	2.40 J	3.35	4.30	4.92	1.10 J	3.69	0.90 J	3.42	4.40	5.00	8.50	5.57
Iron	10500.00 J	13.40	9550.00 J	19.69	4700.00 J	14.77	5160.00	13.68	11800.00 J	20.00	11000.00 J	22.27
Lead	11.00	0.67	11.10	0.98	6.60	0.74	5.10	0.68	12.20	1.00	16.60	1.11
Magnesium	1190.00 J	670.24	2250.00 J	984.25	1250.00 J	738.55	1640.00 J	683.99	2100.00 J	1000.00	2420.00 J	1113.59
Manganese	329.00 J	4.02	175.00 J	2.95	76.30 J	2.22	91.80 J	2.05	478.00 J	3.00	148.00 J	3.34
Mercury	0.050 U	0.13	0.13 U	0.20	0.08 U	0.15	0.08 U	0.14	0.15 U	0.20	0.110 U	0.22
Nickel	4.90 J	5.36	6.50 J	7.87	3.70 J	5.91	4.40 J	5.47	6.90 J	8.00	16.80 J	8.91
Potassium	1070.00	670.24	1530.00	984.25	758.00 U	738.55	954.00	683.99	1560.00	1000.00	1390.00 U	1113.59
Selenium	0.63 J	0.67	0.580 UJ	0.98	0.520 UJ	0.74	0.390 UJ	0.68	0.630 UJ	1.00	0.82 J	1.11
Silver	0.090 U	1.34	0.100 U	1.97	0.090 U	1.48	0.070 U	1.37	0.110 U	2.00	0.140 U	2.23
Sodium	71.40 UJ	670.24	317.00 UJ	984.25	209.00 UJ	738.55	210.00 UJ	683.99	130.00 UJ	1000.00	76.70 UJ	1113.59
Thallium	0.700 U	1.34	0.850 U	1.97	0.760 U	1.48	0.570 U	1.37	0.920 U	2.00	1.100 U	2.23
Vanadium	13.90 J	6.70	14.10 J	9.84	7.90 J	7.39	9.40 J	6.84	15.30 J	10.00	21.60 J	11.14
Zinc	46.30 J	5.36	59.10 J	3.94	20.50 J	2.95	20.90 J	2.74	60.10 J	4.00	63.60 UJ	4.45
Dilution Factor	1.3		2		1.5		2		2.2		2.2	

Analytical Data for Sediment Samples
Saco Municipal Landfill
Saco, Maine

Parameter	SD012 (11/17/95)		SD013 (11/17/95)		SD014 (11/17/95)		SD015 (11/17/95)		SD016 (11/17/95)		SD017 (11/17/95)	
All units in mg/Kg	Value	PQL	Value	PQL	Value	PQL	Value	PQL	Value	PQL	Value	PQL
Inorganics												
Aluminum	18000.00 J	44.94	7760.00 J	84.75	20300.00 J	29.15	6330.00 J	36.43	10700.00 J	37.04	12300.00 J	35.46
Antimony	0.510 UJ	13.48	1.20 J	25.42	0.280 UJ	8.75	0.450 UJ	10.93	0.380 UJ	11.11	0.340 UJ	10.64
Arsenic	63.60 J	2.25	2250.00 J	42.37	10.60 J	7.29	42.20 J	1.82	4.30 J	1.85	4.10 J	1.77
Barium	128.00 J	44.94	320.00 J	84.75	84.30 J	29.15	44.70 J	36.43	45.20 J	37.04	49.50 J	35.46
Beryllium	1.20	1.12	0.64 U	2.12	1.00	0.73	0.48 J	0.91	1.10	0.93	1.40	0.89
Cadmium	0.050 U	1.12	0.090 U	2.12	0.130 U	3.64	0.040 U	0.91	0.040 U	0.93	0.030 U	0.89
Calcium	9460.00	1123.60	3760.00	2118.64	2980.00	728.86	1150.00	910.75	1980.00	925.93	2380.00	886.52
Chromium	49.00 J	2.25	16.10 J	4.24	41.40 J	1.46	14.00 J	1.82	16.70 J	1.85	17.00 J	1.77
Cobalt	17.60 J	11.24	8.60 J	21.19	15.40 J	7.29	5.10 J	9.11	8.10 J	9.26	9.00 J	8.87
Copper	23.30	5.62	8.40 J	10.59	16.90	3.64	5.40	4.55	10.10	4.63	11.40	4.43
Iron	63600.00 J	224.72	318000.00 J	423.73	41100.00 J	72.89	16000.00 J	18.21	17700.00 J	18.52	19600.00 J	17.73
Lead	15.80	1.12	9.30	2.12	9.20	0.73	6.90	0.91	11.10	0.93	12.90	0.89
Magnesium	5970.00 J	1123.60	2260.00 J	2118.64	10400.00 J	728.86	2200.00 J	910.75	4920.00 J	925.93	6100.00 J	886.52
Manganese	5040.00 J	67.42	1660.00 J	63.56	686.00 J	10.93	464.00 J	5.46	544.00 J	2.78	507.00 J	2.66
Mercury	0.15 UJ	0.22	0.210 U	0.42	0.08 U	0.15	0.070 U	0.18	0.14 U	0.19	0.10 U	0.18
Nickel	33.90 J	8.99	14.70 UJ	16.95	28.80 J	5.83	10.80 J	7.29	11.40 J	7.41	11.60 J	7.09
Potassium	4900.00	1123.60	1330.00 U	2118.64	10100.00	728.86	1010.00 U	910.75	4800.00	925.93	6780.00	886.52
Selenium	1.20 J	1.12	1.60 J	2.12	0.400 UJ	0.73	0.72 J	0.91	0.550 UJ	0.93	0.490 UJ	0.89
Silver	0.130 U	2.25	0.260 U	4.24	0.070 U	1.46	0.120 U	1.82	0.100 U	1.85	0.090 U	1.77
Sodium	605.00 UJ	1123.60	279.00 UJ	2118.64	400.00 UJ	728.86	109.00 UJ	910.75	289.00 UJ	925.93	354.00 UJ	886.52
Thallium	3.70	2.25	4.50	4.24	4.50 U	7.29	0.970 U	1.82	0.90 J	1.85	0.79 J	1.77
Vanadium	39.90 J	11.24	15.80 J	21.19	51.50 J	7.29	14.60 J	9.11	25.60 J	9.26	29.50 J	8.87
Zinc	64.70 UJ	4.49	74.90 UJ	8.47	67.20 J	2.92	48.00 UJ	7.29	54.80 J	3.70	61.90 J	3.55
Dilution Factor	4.2		1.5		1.8		1.9		1.8		4.2	

Parameter	SD018 (11/17/95)		SD019 (11/17/95)		SD020 (11/17/95)	
All units in mg/Kg	Value	PQL	Value	PQL	Value	PQL
Inorganics						
Aluminum	4440.00 J	84.39	2650.00 J	38.46	3700.00 J	27.10
Antimony	0.940 UJ	25.32	0.400 UJ	11.54	0.340 UJ	8.13
Arsenic	105.00 J	4.22	3.10 J	1.92	2.60 J	1.36
Barium	141.00 J	84.39	22.50 J	38.46	19.40 J	27.10
Beryllium	0.66 U	2.11	0.40 J	0.96	0.37 J	0.68
Cadmium	0.090 U	2.11	0.09 J	0.96	0.030 U	0.68
Calcium	3650.00	2109.70	719.00 U	961.54	827.00	677.51
Chromium	7.60 J	4.22	4.90 J	1.92	5.80 J	1.36
Cobalt	5.20 J	21.10	1.40 J	9.62	2.80 J	6.78
Copper	3.50 J	10.55	1.20 J	4.81	2.00 J	3.39
Iron	151000.00 J	168.78	4610.00 J	19.23	4530.00 J	13.55
Lead	9.90	2.11	6.60	0.96	5.60	0.68
Magnesium	1240.00 J	2109.70	452.00 J	961.54	1060.00 J	677.51
Manganese	517.00 J	6.33	183.00 J	2.88	106.00 J	2.03
Mercury	0.210 U	0.42	0.090 U	0.19	0.050 U	0.14
Nickel	5.00 J	16.88	2.20 J	7.69	4.00 J	5.42
Potassium	942.00 U	2109.70	359.00 U	961.54	657.00 UJ	677.51
Selenium	1.90 J	2.11	0.60 J	0.96	0.500 UJ	0.68
Silver	0.250 U	4.22	0.100 U	1.92	0.090 U	1.36
Sodium	229.00 UJ	2109.70	69.30 UJ	961.54	66.40 UJ	677.51
Thallium	2.000 U	4.22	0.850 U	1.92	0.730 U	1.36
Vanadium	10.60 J	21.10	4.80 J	9.62	7.20 J	6.78
Zinc	119.00 UJ	33.76	32.20 UJ	3.85	30.20 UJ	2.71
Dilution Factor	1.9		1.4		1.4	

SECTION 4.0

SURFACE WATER DATA

SW/SD-4 PRIOR & PROPOSED SURFACE WATER/SEDIMENT SAMPLING LOCATIONS

SW/SD-7
SW/SD-3
SW/SD-11
SW/SD-8
SW/SD-9
SW/SD-10
SW/SD-1
SW/SD-6
SD-12
SW/SD-13
SD-22
SD-25
SD-23
SD-24
SW/SD-5
SW/SD-21
SD-26
SW/SD-14
SW/SD-28
SD-27
SW/SD-15
SW/SD-20
SW/SD-29
SW/SD-16
POND No.1
SW/SD-17
DuBois Pond
SW/SD-2
SW/SD-18
COUSINS POND
SD-19

AREA 1
AREA 2
AREA 3
AREA 4

COMPOST AREA
TRANSFER STATION
LEACHATE COLLECTION SYSTEM WETWELL
GRAVEL PIT AREA
FOSS ROAD
BUXTON ROAD
BIG LEDGE BROOK
SANDY BROOK
TRIBUTARY TO DEEP BROOK

SCALE
0 200 400
100 300

DATE	ADDITION OR REVISION

DES.BY: GWV | DR.BY: SJC | CK.BY: GWV

SACO MUNICIPAL LANDFILL

SURFACE WATER/ SEDIMENT SAMPLING LOCATIONS FIGURE 2

SCALE: | JOB NO.:
DATE: MAY 1998 | SHEET:

WOODARD & CURRAN INC.
PORTLAND, ME · BANGOR, ME · DEDHAM, MA

Analytical Data for Surface Water Samples
Saco Municipal Landfill
Saco, Maine

Parameter (All units in ug/L)	SW002 (11/17/95) Value	PQL	SW002D (11/17/95) Value	PQL	SW003 (11/17/95) Value	PQL	SW004 (11/17/95) Value	PQL	SW005 (11/17/95) Value	PQL	SW006 (11/17/95) Value	PQL
Pesticides/PCBs												
4,4'-DDD	ND	0.10	ND	0.10	ND	0.1	ND	0.10	ND	0.10	ND	0.10
4,4'-DDE	ND	0.10	ND	0.10	ND	0.1	ND	0.10	ND	0.10	ND	0.10
4,4'-DDT	ND	0.10	ND	0.10	ND	0.1	ND	0.10	ND	0.10	ND	0.10
alpha-BHC	ND	0.05	ND	0.05	ND	0.1	ND	0.05	ND	0.05	ND	0.05
alpha-Chlordane	ND	0.05	ND	0.05	ND	0.1	ND	0.05	ND	0.05	ND	0.05
Aldrin	ND	0.05	ND	0.05	ND	0.1	ND	0.05	ND	0.05	ND	0.05
beta-BHC	ND	0.05	ND	0.05	ND	0.1	ND	0.05	ND	0.05	ND	0.05
Chlordane	ND	0.50	ND	0.50	ND	0.6	ND	0.50	ND	0.50	ND	0.50
delta-BHC	ND	0.05	ND	0.05	ND	0.1	ND	0.05	ND	0.05	ND	0.05
Dieldrin	ND	0.10	ND	0.10	ND	0.1	ND	0.10	ND	0.10	ND	0.10
Endrin aldehyde	ND	0.10	ND	0.10	ND	0.1	ND	0.10	ND	0.10	ND	0.10
Endosulfan I	ND	0.05	ND	0.05	ND	0.1	ND	0.05	ND	0.05	ND	0.05
Endosulfan II	ND	0.10	ND	0.10	ND	0.1	ND	0.10	0.0019 J	0.10	ND	0.10
Endrin	ND	0.10	ND	0.10	ND	0.1	ND	0.10	ND	0.10	ND	0.10
Endrin ketone	ND	0.10	ND	0.10	ND	0.1	ND	0.10	ND	0.10	ND	0.10
Endosulfan sulfate	ND	0.10	ND	0.10	ND	0.1	ND	0.10	ND	0.10	ND	0.10
gamma-BHC (Lindane)	ND	0.05	ND	0.05	ND	0.1	ND	0.05	ND	0.05	ND	0.05
gamma-Chlordane	ND	0.05	ND	0.05	ND	0.1	ND	0.05	ND	0.05	ND	0.05
Heptachlor	ND	0.05	ND	0.05	ND	0.1	ND	0.05	ND	0.05	ND	0.05
Heptachlor epoxide	ND	0.05	ND	0.05	ND	0.1	ND	0.05	ND	0.05	ND	0.05
Methoxychlor	ND	0.50	ND	0.50	ND	0.6	ND	0.50	ND	0.50	ND	0.50
PCB-1016	ND	0.50	ND	0.50	ND	0.6	ND	0.50	ND	0.50	ND	0.50
PCB-1221	ND	1.00	ND	1.00	ND	1.1	ND	1.00	ND	1.00	ND	1.00
PCB-1232	ND	0.50	ND	0.50	ND	0.6	ND	0.50	ND	0.50	ND	0.50
PCB-1242	ND	0.50	ND	0.50	ND	0.6	ND	0.50	ND	0.50	ND	0.50
PCB-1248	ND	0.50	ND	0.50	ND	0.6	ND	0.50	ND	0.50	ND	0.50
PCB-1254	ND	0.50	ND	0.50	ND	0.6	ND	0.50	ND	0.50	ND	0.50
PCB-1260	ND	0.50	ND	0.50	ND	0.6	ND	0.50	ND	0.50	ND	0.50
Toxaphene	ND	1.00	ND	1.00	ND	1.1	ND	1.00	ND	1.00	ND	1.00
Dilution Factor	1.00		1.00		1.10		1.00		1.00		1.00	
SVOCs												
1,2,4-Trichlorobenzene	ND	11.00	ND	11.00	ND	11.0	ND	10.00	ND	10.00	ND	12.00
1,2-Dichlorobenzene	ND	11.00	ND	11.00	ND	11.0	ND	10.00	ND	10.00	ND	12.00
1,3-Dichlorobenzene	ND	11.00	ND	11.00	ND	11.0	ND	10.00	ND	10.00	ND	12.00
1,4-Dichlorobenzene	3.00 J	11.00	3.00 J	11.00	ND	11.0	ND	10.00	ND	10.00	ND	12.00
2,4,5-Trichlorophenol	ND	28.00	ND	28.00	ND	28.0	ND	25.00	ND	25.00	ND	30.00
2,4,6-Trichlorophenol	ND	11.00	ND	11.00	ND	11.0	ND	10.00	ND	10.00	ND	12.00
2,4-Dichlorophenol	ND	11.00	ND	11.00	ND	11.0	ND	10.00	ND	10.00	ND	12.00
2,4-Dimethylphenol	ND	11.00	ND	11.00	ND	11.0	ND	10.00	ND	10.00	ND	12.00
2,4-Dinitrophenol	ND	28.00	ND	28.00	ND	28.0	ND	25.00	ND	25.00	ND	30.00
2,4-Dinitrotoluene	ND	11.00	ND	11.00	ND	11.0	ND	10.00	ND	10.00	ND	12.00
2,6-Dinitrotoluene	ND	11.00	ND	11.00	ND	11.0	ND	10.00	ND	10.00	ND	12.00
2-Chloronaphthalene	ND	11.00	ND	11.00	ND	11.0	ND	10.00	ND	10.00	ND	12.00
2-Chlorophenol	ND	11.00	ND	11.00	ND	11.0	ND	10.00	ND	10.00	ND	12.00
2-Methylnaphthalene	ND	11.00	ND	11.00	ND	11.0	ND	10.00	ND	10.00	ND	12.00
2-Methylphenol	ND	11.00	ND	11.00	ND	11.0	ND	10.00	ND	10.00	ND	12.00
2-Nitroaniline	ND	28.00	ND	28.00	ND	28.0	ND	25.00	ND	25.00	ND	30.00
2-Nitrophenol	ND	11.00	ND	11.00	ND	11.0	ND	10.00	ND	10.00	ND	12.00
3,3'-Dichlorobenzidine	ND	11.00	ND	11.00	ND	11.0	ND	10.00	ND	10.00	ND	12.00
3-Nitroaniline	ND	28.00	ND	28.00	ND	28.0	ND	25.00	ND	25.00	ND	30.00
4,6-Dinitro-2-methylphenol	ND	28.00	ND	28.00	ND	28.0	ND	25.00	ND	25.00	ND	30.00
4-Bromophenyl phenyl ether	ND	11.00	ND	11.00	ND	11.0	ND	10.00	ND	10.00	ND	12.00
4-Chloro-3-methylphenol	3.00 J	11.00	3.00 J	11.00	ND	11.0	ND	10.00	ND	10.00	2.00 J	12.00
4-Chloroaniline	ND	11.00	ND	11.00	ND	11.0	ND	10.00	ND	10.00	ND	12.00
4-Chlorophenyl phenyl ether	ND	11.00	ND	11.00	ND	11.0	ND	10.00	ND	10.00	ND	12.00

Analytical Data for Surface Water Samples
Saco Municipal Landfill
Saco, Maine

Parameter	SW002 (11/17/95)		SW002D (11/17/95)		SW003 (11/17/95)		SW004 (11/17/95)		SW005 (11/17/95)		SW006 (11/17/95)	
(All units in ug/L)	Value	PQL	Value	PQL	Value	PQL	Value	PQL	Value	PQL	Value	PQL
4-Methylphenol	ND	11.00	ND	11.00	ND	11.0	ND	10.00	ND	10.00	ND	12.00
4-Nitroaniline	ND	28.00	ND	28.00	ND	28.0	ND	25.00	ND	25.00	ND	30.00
4-Nitrophenol	ND	28.00	ND	28.00	ND	28.0	ND	25.00	ND	25.00	ND	30.00
Acenaphthene	ND	11.00	ND	11.00	ND	11.0	ND	10.00	ND	10.00	ND	12.00
Acenaphthylene	ND	11.00	ND	11.00	ND	11.0	ND	10.00	ND	10.00	ND	12.00
Anthracene	ND	11.00	ND	11.00	ND	11.0	ND	10.00	ND	10.00	ND	12.00
bis(2-Chloroethyl)ether	ND	11.00	ND	11.00	ND	11.0	ND	10.00	ND	10.00	ND	12.00
bis(2-Chloroethoxy)methane	ND	11.00	ND	11.00	ND	11.0	ND	10.00	ND	10.00	ND	12.00
bis(2-Chloroisopropyl) ether	ND	11.00	ND	11.00	ND	11.0	ND	10.00	ND	10.00	ND	12.00
bis(2-Ethylhexyl)phthalate	ND	11.00	ND	11.00	ND	11.0	2.00 J	10.00	2.00 J	10.00	2.00 J	12.00
Butyl benzylphthalate	ND	11.00	ND	11.00	ND	11.0	ND	10.00	ND	10.00	ND	12.00
Benzo(a)anthracene	ND	11.00	ND	11.00	ND	11.0	ND	10.00	ND	10.00	ND	12.00
Benzo(a)pyrene	ND	11.00	ND	11.00	ND	11.0	ND	10.00	ND	10.00	ND	12.00
Benzo(b)fluoranthene	ND	11.00	ND	11.00	ND	11.0	ND	10.00	ND	10.00	ND	12.00
Benzo(k)fluoranthene	ND	11.00	ND	11.00	ND	11.0	ND	10.00	ND	10.00	ND	12.00
Benzo(g,h,i)perylene	ND	11.00	ND	11.00	ND	11.0	ND	10.00	ND	10.00	ND	12.00
Carbazole	ND	11.00	ND	11.00	ND	11.0	ND	10.00	ND	10.00	ND	12.00
Chrysene	ND	11.00	ND	11.00	ND	11.0	ND	10.00	ND	10.00	ND	12.00
Dibenzofuran	ND	11.00	ND	11.00	ND	11.0	ND	10.00	ND	10.00	ND	12.00
Di-n-butylphthalate	ND	11.00	ND	11.00	ND	11.0	ND	10.00	ND	10.00	ND	12.00
Dibenzo(a,h)anthracene	ND	11.00	ND	11.00	ND	11.0	ND	10.00	ND	10.00	ND	12.00
Diethylphthalate	ND	11.00	ND	11.00	ND	11.0	ND	10.00	ND	10.00	ND	12.00
Dimethylphthalate	ND	11.00	ND	11.00	ND	11.0	ND	10.00	ND	10.00	ND	12.00
Di-n-octylphthalate	ND	11.00	ND	11.00	ND	11.0	ND	10.00	ND	10.00	ND	12.00
Fluoranthene	ND	11.00	ND	11.00	ND	11.0	ND	10.00	ND	10.00	ND	12.00
Fluorene	ND	11.00	ND	11.00	ND	11.0	ND	10.00	ND	10.00	ND	12.00
Hexachloroethane	ND	11.00	ND	11.00	ND	11.0	ND	10.00	ND	10.00	ND	12.00
Hexachlorobutadiene	ND	11.00	ND	11.00	ND	11.0	ND	10.00	ND	10.00	ND	12.00
Hexachlorobenzene	ND	11.00	ND	11.00	ND	11.0	ND	10.00	ND	10.00	ND	12.00
Hexachlorocyclopentadiene	ND	11.00	ND	11.00	ND	11.0	ND	10.00	ND	10.00	ND	12.00
Indeno(1,2,3-cd)pyrene	ND	11.00	ND	11.00	ND	11.0	ND	10.00	ND	10.00	ND	12.00
Isophorone	ND	11.00	ND	11.00	ND	11.0	ND	10.00	ND	10.00	ND	12.00
Naphthalene	ND	11.00	ND	11.00	ND	11.0	ND	10.00	ND	10.00	ND	12.00
Nitrobenzene	ND	11.00	ND	11.00	ND	11.0	ND	10.00	ND	10.00	ND	12.00
n-Nitrosodiphenylamine	ND	11.00	ND	11.00	ND	11.0	ND	10.00	ND	10.00	ND	12.00
n-Nitroso-dipropylamine	ND	11.00	ND	11.00	ND	11.0	ND	10.00	ND	10.00	ND	12.00
Pentachlorophenol	ND	28.00	ND	28.00	ND	28.0	ND	25.00	ND	25.00	ND	30.00
Phenanthrene	ND	11.00	ND	11.00	ND	11.0	ND	10.00	ND	10.00	ND	12.00
Phenol	ND	11.00	ND	11.00	ND	11.0	ND	10.00	ND	10.00	ND	12.00
Pyrene	ND	11.00	ND	11.00	ND	11.0	ND	10.00	ND	10.00	ND	12.00
Dilution Factor	1.10		1.10		1.10		1.00		1.00		1.20	
VOCs												
1,1,1,2-tetrachloroethane	ND	1.00	ND	1.00							ND	1.00
1,1,1-Trichloroethane	ND	1.00	ND	1.00							ND	1.00
1,1,2,2-Tetrachloroethane	ND	1.00	ND	1.00							ND	1.00
1,1,2-Trichloroethane	ND	1.00	ND	1.00	[These Samples were not analyzed for VOCs]						ND	1.00
1,1-Dichloroethane	ND	1.00	ND	1.00							ND	1.00
1,1-Dichloroethene	ND	1.00	ND	1.00							ND	1.00
1,1-Dichloropropene	ND	1.00	ND	1.00							ND	1.00
1,2,3-Trichlorobenzene	ND	1.00	ND	1.00							ND	1.00
1,2,3-Trichloropropane	ND	1.00	ND	1.00							ND	1.00
1,2,4-Trichlorobenzene	ND	1.00	ND	1.00							ND	1.00
1,2,4-Trimethylbenzene	1.00 J	1.00	1.00 J	1.00							ND	1.00
1,2-Dibromoethane	ND	1.00	ND	1.00							ND	1.00
1,2-Dichloroethane	ND	1.00	ND	1.00							ND	1.00
1,2-Dichlorobenzene	1.00 J	1.00	1.00 U	1.00							1.00 J	1.00

Analytical Data for Surface Water Samples
Saco Municipal Landfill
Saco, Maine

Parameter (All units in ug/L)	SW002 (11/17/95) Value	PQL	SW002D (11/17/95) Value	PQL	SW003 (11/17/95) Value	PQL	SW004 (11/17/95) Value	PQL	SW005 (11/17/95) Value	PQL	SW006 (11/17/95) Value	PQL
1,2-Dichloropropane	ND	1.00	ND	1.00							ND	1.00
1,3,5-Trimethylbenzene	ND	1.00	ND	1.00							ND	1.00
1,3-Dichlorobenzene	1.00 J	1.00	1.00 U	1.00							ND	1.00
1,3-Dichloropropane	ND	1.00	ND	1.00							ND	1.00
1,4-Dichlorobenzene	2.00	1.00	2.00	1.00	[These Samples were not analyzed for VOCs]						1.00 J	1.00
2,2-Dichloropropane	ND	1.00	ND	1.00							ND	1.00
2-Chlorotoluene	ND	1.00	ND	1.00							ND	1.00
2-Hexanone	ND	4.00	ND	4.00							ND	4.00
4-Chlorotoluene	ND	1.00	ND	1.00							ND	1.00
4-Isopropyltoluene	ND	1.00	ND	1.00							ND	1.00
Acetone	ND	5.00	4.00 J	5.00							ND	5.00
Bromochloromethane	ND	1.00	ND	1.00							ND	1.00
Bromodichloromethane	ND	1.00	ND	1.00							ND	1.00
Benzene	2.00	1.00	2.00	1.00							1.00	1.00
Bromobenzene	ND	1.00	ND	1.00							ND	1.00
cis-1,2-Dichloroethene	1.00 J	1.00	ND	1.00							ND	1.00
cis-1,3-Dichloropropene	ND	1.00	ND	1.00							ND	1.00
Chloroethane	ND	2.00	ND	2.00							10.00	2.00
Bromoform	ND	1.00	ND	1.00							ND	1.00
Chloroform	ND	1.00	ND	1.00							ND	1.00
Carbon tetrachloride	ND	1.00	ND	1.00							ND	1.00
Bromomethane	ND	2.00	ND	2.00							ND	2.00
Chloromethane	ND	2.00	ND	2.00							ND	2.00
Chlorobenzene	3.00	1.00	3.00	1.00							ND	1.00
Dibromochloromethane	ND	1.00	ND	1.00							ND	1.00
1,2-Dibromo-3-chloropropane	ND	1.00	ND	1.00							ND	1.00
Dibromomethane	ND	1.00	ND	1.00							ND	1.00
Dichlorodifluoromethane	ND	2.00	ND	2.00							ND	2.00
Ethylbenzene	11.00	1.00	10.00	1.00							ND	1.00
Hexachlorobutadiene	ND	1.00	ND	1.00							ND	1.00
Isopropylbenzene	ND	1.00	ND	1.00							ND	1.00
m-Xylene/p-Xylene	16.00	1.00	14.00	1.00							ND	1.00
Methylene chloride	4.00 U	1.00	5.00 U	1.00							5.00 U	1.00
2-Butanone	ND	5.00	ND	5.00							ND	5.00
4-Methyl-2-pentanone	ND	3.00	ND	3.00							ND	3.00
Naphthalene	1.00 J	1.00	1.00 J	1.00							ND	1.00
n-Butylbenzene	ND	1.00	ND	1.00							ND	1.00
n-Propylbenzene	ND	1.00	1.00 U	1.00							ND	1.00
o-Xylene	ND	1.00	ND	1.00							ND	1.00
Tetrachloroethene	ND	1.00	ND	1.00							ND	1.00
sec-Butylbenzene	ND	1.00	ND	1.00							ND	1.00
Styrene	ND	1.00	ND	1.00							ND	1.00
trans-1,2-Dichloroethene	ND	1.00	ND	1.00							ND	1.00
trans-1,3-Dichloropropene	ND	1.00	ND	1.00							ND	1.00
tert-Butylbenzene	ND	1.00	ND	1.00							ND	1.00
Trichloroethene	ND	1.00	ND	1.00							ND	1.00
Trichlorofluoromethane	ND	2.00	ND	2.00							ND	2.00
Tetrahydrofuran	10.00 J	50.00	13.00 J	50.00							3.00 J	50.00
Toluene	ND	1.00	1.00 U	1.00							ND	1.00
Vinyl chloride	ND	2.00	ND	2.00							ND	2.00
Dilution Factor											1	

Analytical Data for Surface Water Samples
Saco Municipal Landfill
Saco, Maine

Parameter (All units in ug/L)	SW007 (11/17/95) Value	PQL	SW008 (11/17/95) Value	PQL	SW009 (11/17/95) Value	PQL	SW009D (11/17/95) Value	PQL	SW010 (11/17/95) Value	PQL	SW011 (11/17/95) Value	PQL
Pesticides/PCBs												
4,4'-DDD	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.1
4,4'-DDE	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.1
4,4'-DDT	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0 10	ND	0.1
alpha-BHC	ND	0.07	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.1
alpha-Chlordane	ND	0.07	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.1
Aldrin	ND	0.07	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.1
beta-BHC	ND	0.07	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.1
Chlordane	ND	0.70	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND	0.5
delta-BHC	ND	0.07	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.1
Dieldrin	ND	0.10	0.0011 J	0.10	ND	0.10	ND	0.10	ND	0 10	ND	0.1
Endrin aldehyde	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.1
Endosulfan I	ND	0 07	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.1
Endosulfan II	ND	0.10	0.0034 J	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.1
Endrin	ND	0.10	ND	0.10	ND	0.10	ND	0 10	ND	0.10	ND	0.1
Endrin ketone	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.1
Endosulfan sulfate	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.1
gamma-BHC (Lindane)	ND	0.07	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.1
gamma-Chlordane	ND	0.07	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.1
Heptachlor	ND	0.07	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.1
Heptachlor epoxide	ND	0.07	ND	0.05	ND	0.05	ND	0.05	ND	0 05	ND	0.1
Methoxychlor	ND	0.70	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND	0.5
PCB-1016	ND	0.70	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND	0.5
PCB-1221	ND	1.30	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.0
PCB-1232	ND	0.70	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND	0.5
PCB-1242	ND	0.70	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND	0.5
PCB-1248	ND	0.70	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND	0.5
PCB-1254	ND	0.70	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND	0.5
PCB-1260	ND	0.70	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND	0.5
Toxaphene	ND	1.30	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.0
Dilution Factor	1.30		1.00		1.00		1.00		1.00		1.00	
SVOCs												
1,2,4-Trichlorobenzene	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.0
1,2-Dichlorobenzene	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.0
1,3-Dichlorobenzene	ND	10 00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.0
1,4-Dichlorobenzene	ND	10 00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.0
2,4,5-Trichlorophenol	ND	25.00	ND	25.00	ND	25.00	ND	25.00	ND	25.00	ND	25.0
2,4,6-Trichlorophenol	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.0
2,4-Dichlorophenol	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.0
2,4-Dimethylphenol	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.0
2,4-Dinitrophenol	ND	25.00	ND	25.00	ND	25.00	ND	25.00	ND	25.00	ND	25.0
2,4-Dinitrotoluene	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.0
2,6-Dinitrotoluene	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.0
2-Chloronaphthalene	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.0
2-Chlorophenol	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.0
2-Methylnaphthalene	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.0
2-Methylphenol	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.0
2-Nitroaniline	ND	25.00	ND	25.00	ND	25.00	ND	25.00	ND	25.00	ND	25.0
2-Nitrophenol	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.0
3,3'-Dichlorobenzidine	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.0
3-Nitroaniline	ND	25.00	ND	25.00	ND	25.00	ND	25.00	ND	25.00	ND	25.0
4,6-Dinitro-2-methylphenol	ND	25.00	ND J	25 00	ND	25.00	ND	25.00	ND	25.00	ND	25.0
4-Bromophenyl phenyl ether	ND	10.00	ND J	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.0
4-Chloro-3-methylphenol	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.0
4-Chloroaniline	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.0
4-Chlorophenyl phenyl ether	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10 0

Analytical Data for Surface Water Samples
Saco Municipal Landfill
Saco, Maine

Parameter	SW007 (11/17/95)		SW008 (11/17/95)		SW009 (11/17/95)		SW009D (11/17/95)		SW010 (11/17/95)		SW011 (11/17/95)	
(All units in ug/L)	Value	PQL	Value	PQL	Value	PQL	Value	PQL	Value	PQL	Value	PQL
4-Methylphenol	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.0
4-Nitroaniline	ND	25.00	ND	25.00	ND	25.00	ND	25.00	ND	25.00	ND	25.0
4-Nitrophenol	ND	25.00	ND	25.00	ND	25.00	ND	25.00	ND	25.00	ND	25.0
Acenaphthene	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.0
Acenaphthylene	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.0
Anthracene	ND	10.00	ND J	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.0
bis(2-Chloroethyl)ether	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.0
bis(2-Chloroethoxy)methane	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.0
bis(2-Chloroisopropyl) ether	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.0
bis(2-Ethylhexyl)phthalate	ND	10.00	ND	10.00	ND	10.00	ND	10.00	5.00 J	10.00	ND	10.0
Butyl benzylphthalate	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.0
Benzo(a)anthracene	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.0
Benzo(a)pyrene	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.0
Benzo(b)fluoranthene	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.0
Benzo(k)fluoranthene	*ND*	*10.00*	*ND*	*10.00*	*ND*	*10.00*	*ND*	*10.00*	*ND*	*10.00*	*ND*	*10.0*
Benzo(g,h,i)perylene	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.0
Carbazole	ND	10.00	ND J	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.0
Chrysene	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.0
Dibenzofuran	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.0
Di-n-butylphthalate	ND	10.00	ND J	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.0
Dibenzo(a,h)anthracene	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.0
Diethylphthalate	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.0
Dimethylphthalate	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.0
Di-n-octylphthalate	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.0
Fluoranthene	ND	10.00	ND J	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.0
Fluorene	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.0
Hexachloroethane	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.0
Hexachlorobutadiene	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.0
Hexachlorobenzene	ND	10.00	ND J	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.0
Hexachlorocyclopentadiene	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.0
Indeno(1,2,3-cd)pyrene	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.0
Isophorone	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.0
Naphthalene	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.0
Nitrobenzene	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.0
n-Nitrosodiphenylamine	ND	10.00	ND J	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.0
n-Nitroso-dipropylamine	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.0
Pentachlorophenol	ND	25.00	ND J	25.00	ND	25.00	ND	25.00	ND	25.00	ND	25.0
Phenanthrene	ND	10.00	ND J	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.0
Phenol	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.0
Pyrene	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.0
Dilution Factor	1.00		1.00		1.00		1.00		1.00		1.00	
VOCs												
1,1,1,2-tetrachloroethane	ND	1.00	ND	1.00	ND	1.00	ND	1.00				
1,1,1-Trichloroethane	ND	1.00	ND	1.00	ND	1.00	ND	1.00				
1,1,2,2-Tetrachloroethane	ND	1.00	ND	1.00	ND	1.00	ND	1.00				
1,1,2-Trichloroethane	ND	1.00	ND	1.00	ND	1.00	ND	1.00	[These Samples were not			
1,1-Dichloroethane	ND	1.00	ND	1.00	ND	1.00	ND	1.00	analyzed for VOCs]			
1,1-Dichloroethene	ND	1.00	ND	1.00	1.00 J	1.00	ND	1.00				
1,1-Dichloropropene	ND	1.00	ND	1.00	ND	1.00	ND	1.00				
1,2,3-Trichlorobenzene	ND	1.00	ND	1.00	ND	1.00	ND	1.00				
1,2,3-Trichloropropane	ND	1.00	ND	1.00	ND	1.00	ND	1.00				
1,2,4-Trichlorobenzene	ND	1.00	ND	1.00	ND	1.00	ND	1.00				
1,2,4-Trimethylbenzene	ND	1.00	ND	1.00	ND	1.00	ND	1.00				
1,2-Dibromoethane	ND	1.00	ND	1.00	ND	1.00	ND	1.00				
1,2-Dichloroethane	ND	1.00	ND	1.00	ND	1.00	ND	1.00				
1,2-Dichlorobenzene	ND	1.00	1.00 U	1.00	ND	1.00	ND	1.00				

Analytical Data for Surface Water Samples
Saco Municipal Landfill
Saco, Maine

Parameter (All units in ug/L)	SW007 (11/17/95) Value	PQL	SW008 (11/17/95) Value	PQL	SW009 (11/17/95) Value	PQL	SW009D (11/17/95) Value	PQL	SW010 (11/17/95) Value	PQL	SW011 (11/17/95) Value	PQL
1,2-Dichloropropane	ND	1.00	ND	1.00	ND	1.00	ND	1.00				
1,3,5-Trimethylbenzene	ND	1.00	ND	1.00	ND	1.00	ND	1.00				
1,3-Dichlorobenzene	ND	1.00	1.00	1.00	ND	1.00	ND	1.00				
1,3-Dichloropropane	ND	1.00	ND	1.00	ND	1.00	ND	1.00	[These Samples were not			
1,4-Dichlorobenzene	ND	1.00	ND	1.00	ND	1.00	ND	1.00	analyzed for VOCs]			
2,2-Dichloropropane	ND	1.00	ND	1.00	ND	1.00	ND	1.00				
2-Chlorotoluene	ND	1.00	1.00 U	1.00	ND	1.00	ND	1.00				
2-Hexanone	ND	4.00	ND	4.00	ND	4.00	ND	4.00				
4-Chlorotoluene	ND	1.00	ND	1.00	ND	1.00	ND	1.00				
4-Isopropyltoluene	ND	1.00	ND	1.00	ND	1.00	ND	1.00				
Acetone	ND	5.00	ND	5.00	ND	5.00	ND	5.00				
Bromochloromethane	ND	1.00	ND	1.00	ND	1.00	ND	1.00				
Bromodichloromethane	ND	1.00	ND	1.00	ND	1.00	ND	1.00				
Benzene	ND	1.00	ND	1.00	1.00 U	1.00	ND	1.00				
Bromobenzene	ND	1.00	ND	1.00	ND	1.00	ND	1.00				
cis-1,2-Dichloroethene	ND	1.00	ND	1.00	ND	1.00	ND	1.00				
cis-1,3-Dichloropropene	ND	1.00	ND	1.00	ND	1.00	ND	1.00				
Chloroethane	ND	2.00	ND	2.00	ND	2.00	ND	2.00				
Bromoform	ND	1.00	ND	1.00	ND	1.00	ND	1.00				
Chloroform	ND	1.00	ND	1.00	ND	1.00	ND	1.00				
Carbon tetrachloride	ND	1.00	ND	1.00	ND	1.00	ND	1.00				
Bromomethane	ND	2.00	ND	2.00	ND	2.00	ND	2.00				
Chloromethane	ND	2.00	ND	2.00	ND	2.00	ND	2.00				
Chlorobenzene	ND	1.00	ND	1.00	ND	1.00	ND	1.00				
Dibromochloromethane	ND	1.00	ND	1.00	ND	1.00	ND	1.00				
1,2-Dibromo-3-chloropropane	ND	1.00	ND	1.00	ND	1.00	ND	1.00				
Dibromomethane	ND	1.00	ND	1.00	ND	1.00	ND	1.00				
Dichlorodifluoromethane	ND	2.00	ND	2.00	ND	2.00	ND	65.00				
Ethylbenzene	ND	1.00	ND	1.00	ND	1.00	ND	1.00				
Hexachlorobutadiene	ND	1.00	1.00 U	1.00	ND	1.00	1.00 U	1.00				
Isopropylbenzene	ND	1.00	ND	1.00	ND	1.00	ND	1.00				
m-Xylene/p-Xylene	ND	1.00	1.00 U	1.00	ND	1.00	ND	1.00				
Methylene chloride	5.00 U	1.00	2.00 U	1.00	3.00 U	1.00	4.00 U	1.00				
2-Butanone	ND	5.00	ND	5.00	ND	5.00	ND	5.00				
4-Methyl-2-pentanone	ND	3.00	ND	3.00	ND	3.00	ND	3.00				
Naphthalene	ND	1.00	ND	1.00	ND	1.00	ND	1.00				
n-Butylbenzene	ND	1.00	ND	1.00	ND	1.00	ND	1.00				
n-Propylbenzene	ND	1.00	ND	1.00	ND	1.00	ND	1.00				
o-Xylene	ND	1.00	ND	1.00	ND	1.00	ND	1.00				
Tetrachloroethene	ND	1.00	ND	1.00	ND	1.00	ND	1.00				
sec-Butylbenzene	ND	1.00	ND	1.00	ND	1.00	ND	1.00				
Styrene	ND	1.00	ND	1.00	ND	1.00	ND	1.00				
trans-1,2-Dichloroethene	ND	1.00	ND	1.00	ND	1.00	ND	1.00				
trans-1,3-Dichloropropene	ND	1.00	ND	1.00	ND	1.00	ND	1.00				
tert-Butylbenzene	ND	1.00	ND	1.00	ND	1.00	ND	1.00				
Trichloroethene	ND	1.00	ND	1.00	ND	1.00	ND	1.00				
Trichlorofluoromethane	ND	2.00	ND	2.00	ND	2.00	ND	2.00				
Tetrahydrofuran	ND	50.00	ND	50.00	50.00 U	50.00	50.00 U	50.00				
Toluene	ND	1.00	ND	1.00	1.00 U	1.00	ND	1.00				
Vinyl chloride	ND	2.00	ND	2.00	ND	2.00	ND	2.00				
Dilution Factor	1		1		1		1					

Analytical Data for Surface Water Samples
Saco Municipal Landfill
Saco, Maine

Parameter (All units in ug/L)	SW013 (11/17/95) Value	PQL	SW014 (11/17/95) Value	PQL	SW015 (11/17/95) Value	PQL	SW016 (11/17/95 Value	PQL	SW017 (11/17/95) Value	PQL	SW018 (11/17/95) Value	PQL	SW020 (11/17/95) Value	PQL
Pesticides/PCBs														
4,4'-DDD	ND	0.1	ND	0.10	ND	0.1	ND	0.10	ND	0.10	ND	0.10	ND	0.1
4,4'-DDE	ND	0.1	ND	0.10	ND	0.1	ND	0.10	ND	0.10	ND	0.10	ND	0.1
4,4'-DDT	ND	0.1	ND	0.10	ND	0.1	ND	0.10	ND	0.10	ND	0.10	ND	0.1
alpha-BHC	ND	0.1	ND	0.05	ND	0.1	ND	0.05	ND	0.05	ND	0.05	ND	0.1
alpha-Chlordane	ND	0.1	ND	0.05	ND	0.1	ND	0.05	ND	0.05	ND	0.05	ND	0.1
Aldrin	ND	0.1	ND	0.05	ND	0.1	ND	0.05	ND	0.05	ND	0.05	ND	0.1
beta-BHC	ND	0.1	ND	0.05	ND	0.1	ND	0.05	ND	0.05	ND	0.05	ND	0.1
Chlordane	ND	0.5	ND	0.50	ND	0.5	ND	0.50	ND	0.50	ND	0.50	ND	0.5
delta-BHC	ND	0.1	ND	0.05	ND	0.1	ND	0.05	ND	0.05	ND	0.05	ND	0.1
Dieldrin	ND	0.1	ND	0.10	ND	0.1	ND	0.10	ND	0.10	ND	0.10	ND	0.1
Endrin aldehyde	ND	0.1	ND	0.10	ND	0.1	ND	0.10	ND	0.10	ND	0.10	ND	0.1
Endosulfan I	ND	0.1	ND	0.05	ND	0.1	ND	0.05	ND	0.05	ND	0.05	ND	0.1
Endosulfan II	ND	0.1	ND	0.10	ND	0.1	0.0014 J	0.10	ND	0.10	ND	0.10	ND	0.1
Endrin	ND	0.1	ND	0.10	ND	0.1	ND	0.10	0.00 J	0.10	ND	0.10	ND	0.1
Endrin ketone	ND	0.1	ND	0.10	ND	0.1	ND	0.10	ND	0.10	ND	0.10	ND	0.1
Endosulfan sulfate	ND	0.1	ND	0.10	ND	0.1	ND	0.10	ND	0.10	ND	0.10	ND	0.1
gamma-BHC (Lindane)	ND	0.1	ND	0.05	ND	0.1	ND	0.05	ND	0.05	ND	0.05	ND	0.1
gamma-Chlordane	ND	0.1	ND	0.05	ND	0.1	ND	0.05	ND	0.05	ND	0.05	ND	0.1
Heptachlor	ND	0.1	ND	0.05	ND	0.1	ND	0.05	ND	0.05	ND	0.05	ND	0.1
Heptachlor epoxide	ND	0.1	ND	0.05	ND	0.1	ND	0.05	ND	0.05	ND	0.05	ND	0.1
Methoxychlor	ND	0.5	ND	0.50	ND	0.5	ND	0.50	ND	0.50	ND	0.50	ND	0.5
PCB-1016	ND	0.5	ND	0.50	ND	0.5	ND	0.50	ND	0.50	ND	0.50	ND	0.5
PCB-1221	ND	1.0	ND	1.00	ND	1.0	ND	1.00	ND	1.00	ND	1.00	ND	1.0
PCB-1232	ND	0.5	ND	0.50	ND	0.5	ND	0.50	ND	0.50	ND	0.50	ND	0.5
PCB-1242	ND	0.5	ND	0.50	ND	0.5	ND	0.50	ND	0.50	ND	0.50	ND	0.5
PCB-1248	ND	0.5	ND	0.50	ND	0.5	ND	0.50	ND	0.50	ND	0.50	ND	0.5
PCB-1254	ND	0.5	ND	0.50	ND	0.5	ND	0.50	ND	0.50	ND	0.50	ND	0.5
PCB-1260	ND	0.5	ND	0.50	ND	0.5	ND	0.50	ND	0.50	ND	0.50	ND	0.5
Toxaphene	ND	1.0	ND	1.00	ND	1.0	ND	1.00	ND	1.00	ND	1.00	ND	1.0
Dilution Factor	1.00		1.00		1.00		1.00		1.00		1.00		1.00	
SVOCs														
1,2,4-Trichlorobenzene	ND	10.0	ND	10.00	ND	10.0	ND	10.00	ND	10.00	ND	10.00	ND	10.0
1,2-Dichlorobenzene	ND	10.0	ND	10.00	ND	10.0	ND	10.00	ND	10.00	ND	10.00	ND	10.0
1,3-Dichlorobenzene	ND	10.0	ND	10.00	ND	10.0	ND	10.00	ND	10.00	ND	10.00	ND	10.0
1,4-Dichlorobenzene	ND	10.0	ND	10.00	ND	10.0	ND	10.00	ND	10.00	ND	10.00	ND	10.0
2,4,5-Trichlorophenol	ND	25.0	ND	25.00	ND	25.0	ND	25.00	ND	25.00	ND	25.00	ND	25.0
2,4,6-Trichlorophenol	ND	10.0	ND	10.00	ND	10.0	ND	10.00	ND	10.00	ND	10.00	ND	10.0
2,4-Dichlorophenol	ND	10.0	ND	10.00	ND	10.0	ND	10.00	ND	10.00	ND	10.00	ND	10.0
2,4-Dimethylphenol	ND	10.0	ND	10.00	ND	10.0	ND	10.00	ND	10.00	ND	10.00	ND	10.0
2,4-Dinitrophenol	ND	25.0	ND	25.00	ND	25.0	ND	25.00	ND	25.00	ND	25.00	ND	25.0
2,4-Dinitrotoluene	ND	10.0	ND	10.00	ND	10.0	ND	10.00	ND	10.00	ND	10.00	ND	10.0
2,6-Dinitrotoluene	ND	10.0	ND	10.00	ND	10.0	ND	10.00	ND	10.00	ND	10.00	ND	10.0
2-Chloronaphthalene	ND	10.0	ND	10.00	ND	10.0	ND	10.00	ND	10.00	ND	10.00	ND	10.0
2-Chlorophenol	ND	10.0	ND	10.00	ND	10.0	ND	10.00	ND	10.00	ND	10.00	ND	10.0
2-Methylnaphthalene	ND	10.0	ND	10.00	ND	10.0	ND	10.00	ND	10.00	ND	10.00	ND	10.0
2-Methylphenol	ND	10.0	ND	10.00	ND	10.0	ND	10.00	ND	10.00	ND	10.00	ND	10.0
2-Nitroaniline	ND	25.0	ND	25.00	ND	25.0	ND	25.00	ND	25.00	ND	25.00	ND	25.0
2-Nitrophenol	ND	10.0	ND	10.00	ND	10.0	ND	10.00	ND	10.00	ND	10.00	ND	10.0
3,3'-Dichlorobenzidine	ND	10.0	ND	10.00	ND	10.0	ND	10.00	ND	10.00	ND	10.00	ND	10.0
3-Nitroaniline	ND	25.0	ND	25.00	ND	25.0	ND	25.00	ND	25.00	ND	25.00	ND	25.0
4,6-Dinitro-2-methylphenol	ND	25.0	ND	25.00	ND	25.0	ND	25.00	ND	25.00	ND	25.00	ND	25.0
4-Bromophenyl phenyl ether	ND	10.0	ND	10.00	ND	10.0	ND	10.00	ND	10.00	ND	10.00	ND	10.0
4-Chloro-3-methylphenol	ND	10.0	ND	10.00	ND	10.0	ND	10.00	ND	10.00	2.00 J	10.00	ND	10.0
4-Chloroaniline	ND	10.0	ND	10.00	ND	10.0	ND	10.00	ND	10.00	ND	10.00	ND	10.0
4-Chlorophenyl phenyl ether	ND	10.0	ND	10.00	ND	10.0	ND	10.00	ND	10.00	ND	10.00	ND	10.0

Analytical Data for Surface Water Samples
Saco Municipal Landfill
Saco, Maine

Parameter (All units in ug/L)	SW013 (11/17/95) Value	PQL	SW014 (11/17/95) Value	PQL	SW015 (11/17/95) Value	PQL	SW016 (11/17/95 Value	PQL	SW017 (11/17/95) Value	PQL	SW018 (11/17/95) Value	PQL	SW020 (11/17/95) Value	PQL
4-Methylphenol	ND	10 0	ND	10.00	ND	10.0	ND	10.00	ND	10.00	ND	10.00	ND	10 0
4-Nitroaniline	ND	25.0	ND	25 00	ND	25.0	ND	25.00	ND	25.00	ND	25.00	ND	25.0
4-Nitrophenol	ND	25 0	ND	25.00	ND	25.0	ND	25 00	ND	25.00	ND	25.00	ND	25 0
Acenaphthene	ND	10.0	ND	10.00	ND	10.0	ND	10.00	ND	10.00	ND	10.00	ND	10.0
Acenaphthylene	ND	10.0	ND	10.00	ND	10.0	ND	10.00	ND	10.00	ND	10.00	ND	10.0
Anthracene	ND	10.0	ND	10.00	ND	10.0	ND	10.00	ND	10.00	ND	10.00	ND	10.0
bis(2-Chloroethyl)ether	ND	10.0	ND	10.00	ND	10.0	ND	10.00	ND	10.00	ND	10.00	ND	10.0
bis(2-Chloroethoxy)methane	ND	10.0	ND	10.00	ND	10.0	ND	10.00	ND	10.00	ND	10.00	ND	10.0
bis(2-Chloroisopropyl) ether	ND	10.0	ND	10 00	ND	10.0	ND	10.00	ND	10.00	ND	10.00	ND	10.0
bis(2-Ethylhexyl)phthalate	ND	10.0	1.00 J	10.00	ND	10.0	2.00 J	10.00	ND	10.00	ND	10.00	ND	10.0
Butyl benzylphthalate	ND	10.0	ND	10.00	ND	10.0	ND	10.00	ND	10.00	ND	10.00	ND	10.0
Benzo(a)anthracene	ND	10 0	ND	10.00	ND	10.0	ND	10.00	ND	10.00	ND	10.00	ND	10.0
Benzo(a)pyrene	ND	10.0	ND	10.00	ND	10.0	ND	10.00	ND	10.00	ND	10.00	ND	10.0
Benzo(b)fluoranthene	ND	10.0	ND	10.00	ND	10.0	ND	10.00	ND	10 00	ND	10.00	ND	10.0
Benzo(k)fluoranthene	ND	10.0	ND	10.00	ND	10.0	ND	10.00	ND	10.00	ND	10.00	ND	10.0
Benzo(g,h,i)perylene	ND	10.0	ND	10.00	ND	10.0	ND	10.00	ND	10.00	ND	10.00	ND	10.0
Carbazole	ND	10.0	ND	10.00	ND	10.0	ND	10.00	ND	10.00	ND	10.00	ND	10.0
Chrysene	ND	10.0	ND	10.00	ND	10.0	ND	10.00	ND	10.00	ND	10.00	ND	10.0
Dibenzofuran	ND	10 0	ND	10.00	ND	10.0	ND	10.00	ND	10.00	ND	10.00	ND	10.0
Di-n-butylphthalate	ND	10.0	2.00 J	10.00	ND	10.0	ND	10.00	ND	10.00	ND	10.00	ND	10.0
Dibenzo(a,h)anthracene	ND	10.0	ND	10.00	ND	10.0	ND	10.00	ND	10.00	ND	10.00	ND	10.0
Diethylphthalate	ND	10.0	ND	10.00	ND	10.0	ND	10.00	ND	10.00	ND	10.00	ND	10.0
Dimethylphthalate	ND	10.0	ND	10.00	ND	10.0	ND	10.00	ND	10.00	ND	10.00	ND	10.0
Di-n-octylphthalate	ND	10.0	ND	10.00	ND	10.0	ND	10.00	ND	10.00	ND	10.00	ND	10.0
Fluoranthene	ND	10.0	ND	10.00	ND	10.0	ND	10.00	ND	10.00	ND	10.00	ND	10.0
Fluorene	ND	10.0	ND	10.00	ND	10.0	ND	10.00	ND	10.00	ND	10.00	ND	10.0
Hexachloroethane	ND	10.0	ND	10.00	ND	10.0	ND	10.00	ND	10.00	ND	10.00	ND	10.0
Hexachlorobutadiene	ND	10.0	ND	10.00	ND	10.0	ND	10.00	ND	10.00	ND	10.00	ND	10.0
Hexachlorobenzene	ND	10.0	ND	10.00	ND	10.0	ND	10 00	ND	10.00	ND	10.00	ND	10.0
Hexachlorocyclopentadiene	ND	10.0	ND	10.00	ND	10.0	ND	10.00	ND	10.00	ND	10.00	ND	10.0
Indeno(1,2,3-cd)pyrene	ND	10.0	ND	10.00	ND	10.0	ND	10 00	ND	10.00	ND	10.00	ND	10.0
Isophorone	ND	10.0	ND	10.00	ND	10.0	ND	10 00	ND	10.00	ND	10.00	ND	10.0
Naphthalene	ND	10.0	ND	10.00	ND	10.0	ND	10.00	ND	10.00	ND	10.00	ND	10.0
Nitrobenzene	ND	10.0	ND	10.00	ND	10.0	ND	10.00	ND	10.00	ND	10.00	ND	10.0
n-Nitrosodiphenylamine	ND	10.0	ND	10.00	ND	10.0	ND	10.00	ND	10.00	ND	10.00	ND	10.0
n-Nitroso-dipropylamine	ND	10.0	ND	10.00	ND	10.0	ND	10.00	ND	10.00	ND	10.00	ND	10.0
Pentachlorophenol	ND	25 0	ND	25.00	ND	25.0	ND	25.00	ND	25.00	ND	25.00	ND	25.0
Phenanthrene	ND	10 0	ND	10.00	ND	10.0	ND	10.00	ND	10 00	ND	10.00	ND	10.0
Phenol	ND	10.0	ND	10.00	ND	10.0	ND	10.00	ND	10.00	ND	10.00	ND	10.0
Pyrene	ND	10.0	ND	10.00	ND	10.0	ND	10.00	ND	10.00	ND	10.00	ND	10.0
Dilution Factor	1.00		1.00		1.00		1.00		1.00		1.00		1.00	
VOCs														
1,1,1,2-tetrachloroethane							ND	1.00	ND	1.00	ND	1.00		
1,1,1-Trichloroethane							ND	1.00	ND	1.00	ND	1 00		
1,1,2,2-Tetrachloroethane	[These Samples were not						ND	1.00	ND	1.00	ND	1.00		
1,1,2-Trichloroethane	analyzed for VOCs]						ND	1.00	ND	1.00	ND	1 00		
1,1-Dichloroethane							ND	1.00	ND	1.00	ND	1.00	[This Sample was not	
1,1-Dichloroethene							ND	1.00	ND	1.00	ND	1.00	analyzed for VOCs]	
1,1-Dichloropropene							ND	1.00	ND	1.00	ND	1.00		
1,2,3-Trichlorobenzene							ND	1.00	ND	1.00	ND	1.00		
1,2,3-Trichloropropane							ND	1.00	ND	1.00	ND	1.00		
1,2,4-Trichlorobenzene							ND	1.00	ND	1.00	ND	1.00		
1,2,4-Trimethylbenzene							ND	1.00	ND	1.00	1.00 J	1.00		
1,2-Dibromoethane							ND	1.00	ND	1.00	ND	1.00		
1,2-Dichloroethane							ND	1.00	ND	1.00	ND	1.00		
1,2-Dichlorobenzene							ND	1.00	ND	1 00	1 00 U	1 00		

Analytical Data for Surface Water Samples
Saco Municipal Landfill
Saco, Maine

Parameter (All units in ug/L)	SW013 (11/17/95) Value	SW013 (11/17/95) PQL	SW014 (11/17/95) Value	SW014 (11/17/95) PQL	SW015 (11/17/95) Value	SW015 (11/17/95) PQL	SW016 (11/17/95 Value	SW016 (11/17/95 PQL	SW017 (11/17/95) Value	SW017 (11/17/95) PQL	SW018 (11/17/95) Value	SW018 (11/17/95) PQL	SW020 (11/17/95) Value	SW020 (11/17/95) PQL
1,2-Dichloropropane							ND	1.00	ND	1.00	ND	1.00		
1,3,5-Trimethylbenzene							ND	1.00	ND	1.00	ND	1.00		
1,3-Dichlorobenzene							ND	1.00	ND	1.00	1.00 U	1.00		
1,3-Dichloropropane							ND	1.00	ND	1.00	ND	1.00		
1,4-Dichlorobenzene							ND	1.00	ND	1.00	2.00 U	1.00		
2,2-Dichloropropane	[These Samples were not						ND	1 00	ND	1.00	ND	1.00		
2-Chlorotoluene	analyzed for VOCs]						ND	1.00	ND	1.00	ND	1.00	[This Sample was not	
2-Hexanone							ND	4.00	ND	4.00	ND	4.00	analyzed for VOCs]	
4-Chlorotoluene							ND	1 00	ND	1.00	ND	1.00		
4-Isopropyltoluene							ND	1.00	ND	1.00	ND	1.00		
Acetone							ND	5.00	3.00 J	5.00	ND	5.00		
Bromochloromethane							ND	1.00	ND	1.00	ND	1.00		
Bromodichloromethane							ND	1.00	ND	1.00	ND	1.00		
Benzene							ND	1.00	ND	1.00	1.00 U	1.00		
Bromobenzene							ND	1.00	ND	1.00	ND	1 00		
cis-1,2-Dichloroethene							ND	1.00	ND	1.00	ND	1.00		
cis-1,3-Dichloropropene							ND	1.00	ND	1.00	ND	1.00		
Chloroethane							ND	2.00	ND	2.00	ND	2.00		
Bromoform							ND	1.00	ND	1.00	ND	1.00		
Chloroform							ND	1.00	ND	1.00	ND	1.00		
Carbon tetrachloride							ND	1.00	ND	1.00	ND	1.00		
Bromomethane							ND	2.00	ND	2.00	ND	2.00		
Chloromethane							ND	2.00	ND	2.00	ND	2 00		
Chlorobenzene							ND	1.00	ND	1.00	2.00	1.00		
Dibromochloromethane							ND	1.00	ND	1.00	ND	1.00		
1,2-Dibromo-3-chloropropane							ND	1.00	ND	1.00	ND	1.00		
Dibromomethane							ND	1.00	ND	1.00	ND	1.00		
Dichlorodifluoromethane							ND	2.00	ND	2.00	ND	2.00		
Ethylbenzene							1.00 U	1.00	1.00 U	1.00	5.00 U	1.00		
Hexachlorobutadiene							ND	1.00	1.00 U	1.00	1.00 U	1.00		
Isopropylbenzene							ND	1.00	ND	1.00	ND	1.00		
m-Xylene/p-Xylene							3.00 U	1.00	1 U	1	9.00	1.00		
Methylene chloride							ND	5.00	3.00 U	1.00	3.00 U	1.00		
2-Butanone							ND	3.00	ND	5.00	ND	5.00		
4-Methyl-2-pentanone							ND	1.00	ND	3.00	ND	3.00		
Naphthalene							ND	1.00	ND	1.00	ND	1.00		
n-Butylbenzene							ND	1.00	ND	1.00	ND	1.00		
n-Propylbenzene							ND	1.00	ND	1.00	ND	1.00		
o-Xylene							ND	1.00	ND	1.00	ND	1.00		
Tetrachloroethene							ND	1.00	ND	1.00	ND	1.00		
sec-Butylbenzene							ND	1.00	ND	1.00	ND	1.00		
Styrene							ND	1.00	ND	1.00	ND	1.00		
trans-1,2-Dichloroethene							ND	1.00	ND	1.00	ND	1.00		
trans-1,3-Dichloropropene							ND	1.00	ND	1.00	ND	1.00		
tert-Butylbenzene							ND	1.00	ND	1.00	ND	1.00		
Trichloroethene							ND	2.00	ND	1.00	ND	1.00		
Trichlorofluoromethane							ND	50.00	ND	2.00	ND	2.00		
Tetrahydrofuran							ND	1.00	ND	50.00	50.00 U	50.00		
Toluene							93.00	ND	ND	1.00	ND	1.00		
Vinyl chloride									ND	2.00	ND U	2.00		
Dilution Factor							1		1.00		1			

Analytical Data for Surface Water Samples
Saco Municipal Landfill
Saco, Maine

Parameter	SW002 (11/17/95)		SW002D (11/17/95)		SW003 (11/17/95)		SW004 (11/17/95)		SW005 (11/17/95)		SW006 (11/17/95)	
All units in ug/L	Value	PQL	Value	PQL	Value	PQL	Value	PQL	Value	PQL	Value	PQL
Inorganics												
Aluminum	201.00	200.00	113.00 J	200.00	116.00 J	200.00	444.00	200.00	555.00	200.00	18.00 J	200.00
Antimony	2.60 U	60.00	2.60 U	60.00	2.60 U	60.00	2.60 U	60.00	2.60 U	60.00	2.60 U	60.00
Arsenic	7.40 J	10.00	7.00 J	10.00	3.70 J	10.00	2.80 U	10.00	10.90	10.00	128.00	10.00
Barium	54.10 J	200.00	55.10 J	200.00	7.40 J	200.00	14.10 J	200.00	20.10 J	200.00	72.30 J	200.00
Beryllium	0.12 U	5.00	0.12 U	5.00	0.12 U	5.00	0.23 U	5.00	0.22 U	5.00	0.12 U	5.00
Cadmium	0.24 U	5.00	0.24 U	5.00	0.29 U	5.00	0.24 U	5.00	0.24 U	5.00	0.24 U	5.00
Calcium	33500.00	5000.00	34500.00	5000.00	18900.00	5000.00	8030.00	5000.00	10900.00	5000.00	51400.00	5000.00
Chromium	1.60 J	10.00	1.10 J	10.00	10.20	10.00	0.58 J	10.00	1.10 J	10.00	0.87 J	10.00
Cobalt	1.20 J	50.00	1.20 J	50.00	0.61 U	50.00	0.61 U	50.00	0.61 U	50.00	2.10 J	50.00
Copper	1.10 U	25.00	1.10 U	25.00	1.10 U	25.00	1.10 U	25.00	1.10 U	25.00	1.10 U	25.00
Iron	12400.00	100.00	12500.00	100.00	72.00 U	100.00	575.00	100.00	1750.00	100.00	18000.00	100.00
Lead	1.60 J	5.00	1.60 UJ	5.00	1.60 UJ	5.00	2.10 UJ	5.00	1.60 U	5.00	1.60 UJ	5.00
Magnesium	10900.00	5000.00	11200.00	5000.00	1990.00 J	5000.00	1990.00 J	5000.00	2640.00 J	5000.00	13300.00	5000.00
Manganese	1040.00	15.00	1070.00	15.00	2.10 U	15.00	80.40	15.00	239.00	15.00	3720.00	30.00
Mercury	0.10 U	0.20	0.10 U	0.20	0.10 U	0.20	0.13 J	0.20	0.12 J	0.20	0.28	0.20
Nickel	*1.70 J*	*40.00*	*1.30 J*	*40.00*	*1.00 U*	*40.00*	*1.00 U*	*40.00*	*1.90 J*	*40.00*	*5.40 J*	*40.00*
Potassium	7400.00	5000.00	7760.00	5000.00	643.00 J	5000.00	1980.00 U	5000.00	2720.00 J	5000.00	5730.00	5000.00
Selenium	3.70 UJ	5.00	3.70 UJ	5.00	3.70 UJ	5.00	3.70 UJ	5.00	3.70 UJ	5.00	3.70 UJ	5.00
Silver	0.67 U	10.00	0.67 U	10.00	0.71 J	10.00	0.67 U	10.00	0.67 U	10.00	0.67 U	10.00
Sodium	*55500.00*	*5000.00*	*57900.00*	*5000.00*	*3800.00 J*	*5000.00*	*9600.00*	*5000.00*	*12700.00*	*5000.00*	*74700.00*	*5000.00*
Thallium	5.50 UJ	10.00	5.50 UJ	10.00	9.90 UJ	10.00	5.70 UJ	10.00	5.50 UJ	10.00	5.90 J	10.00
Vanadium	1.20 U	50.00	1.40 U	50.00	1.30 U	50.00	1.60 U	50.00	1.80 U	50.00	0.73 U	50.00
Zinc	11.30 U	20.00	10.20 U	20.00	9.30 U	20.00	16.30 U	20.00	17.10 U	20.00	6.60 U	20.00
Dilution Factor	1		1		1		1		1		1	

Parameter	SW007 (11/17/95)		SW008 (11/17/95)		SW009 (11/17/95)		SW009D (11/17/95)		SW010 (11/17/95)		SW011 (11/17/95)	
All units in ug/L	Value	PQL	Value	PQL	Value	PQL	Value	PQL	Value	PQL	Value	PQL
Inorganics												
Aluminum	533.00	200.00	574.00	200.00	485.00	200.00	503.00	200.00	461.00	200.00	87.80 J	200.00
Antimony	2.60 U	60.00	2.60 U	60.00	2.60 U	60.00	2.60 U	60.00	2.60 U	60.00	2.60 U	60.00
Arsenic	2.80 U	10.00	2.80 U	10.00	2.80 U	10.00	2.80 U	10.00	2.80 U	10.00	3.10 J	10.00
Barium	12.10 J	200.00	11.50 J	200.00	16.40 J	200.00	17.70 J	200.00	16.70 J	200.00	2.70 J	200.00
Beryllium	0.29 U	5.00	0.20 U	5.00	0.21 U	5.00	0.22 U	5.00	0.20 U	5.00	0.27 U	5.00
Cadmium	0.24 U	5.00	0.24 U	5.00	0.24 U	5.00	0.24 U	5.00	0.24 U	5.00	0.24 U	5.00
Calcium	6590.00	5000.00	6720.00	5000.00	8660.00	5000.00	9290.00	5000.00	8760.00	5000.00	5220.00	5000.00
Chromium	0.62 J	10.00	0.54 U	10.00	1.10 J	10.00	0.79 J	10.00	0.71 J	10.00	0.54 U	10.00
Cobalt	0.61 U	50.00	0.61 U	50.00	0.61 U	50.00	0.61 U	50.00	0.61 U	50.00	0.61 U	50.00
Copper	1.10 U	25.00	1.10 U	25.00	1.40 J	25.00	1.10 U	25.00	1.10 U	25.00	1.10 U	25.00
Iron	*596.00*	*100.00*	*582.00*	*100.00*	*611.00*	*100.00*	*632.00*	*100.00*	*619.00*	*100.00*	*40.70 U*	*100.00*
Lead	1.80 J	5.00	2.00 UJ	5.00	1.70 UJ	5.00	1.60 UJ	5.00	1.60 UJ	5.00	1.60 UJ	5.00
Magnesium	1490.00 J	5000.00	1620.00 J	5000.00	2200.00 J	5000.00	2390.00 J	5000.00	2250.00 J	5000.00	694.00 J	5000.00
Manganese	93.40	15.00	77.90	15.00	95.60	15.00	102.00	15.00	97.20	15.00	1.70 U	15.00
Mercury	0.10 U	0.20	0.10 UJ	0.20	0.10 J	0.20	0.10 UJ	0.20	0.12 J	0.20	0.10 U	0.20
Nickel	1.00 U	40.00	1.00 U	40.00	1.00 U	40.00	1.00 U	40.00	1.30 J	40.00	1.00 U	40.00
Potassium	2160.00 J	5000.00	2180.00 U	5000.00	2630.00 U	5000.00	2610.00 U	5000.00	2520.00 U	5000.00	331.00 U	5000.00
Selenium	3.70 UJ	5.00	3.70 UJ	5.00	3.70 UJ	5.00	3.70 UJ	5.00	3.70 UJ	5.00	3.70 UJ	5.00
Silver	0.67 U	10.00	0.67 U	10.00	0.67 U	10.00	0.67 U	10.00	0.67 U	10.00	0.67 U	10.00
Sodium	8110.00	5000.00	8140.00	5000.00	10700.00	5000.00	11800.00	5000.00	11100.00	5000.00	2730.00 J	5000.00
Thallium	5.50 UJ	10.00	5.50 UJ	10.00	5.50 UJ	10.00	7.90 UJ	10.00	5.50 UJ	10.00	5.50 UJ	10.00
Vanadium	2.20 U	50.00	2.00 U	50.00	2.20 U	50.00	1.80 U	50.00	2.00 U	50.00	1.10 U	50.00
Zinc	14.60 U	20.00	15.40 U	20.00	15.70 U	20.00	11.70 U	20.00	12.10 U	20.00	6.70 U	20.00
Dilution Factor	1		1		1		1		1		1	

Analytical Data for Surface Water Samples
Saco Municipal Landfill
Saco, Maine

Parameter	SW013 (11/17/95)		SW014 (11/17/95)		SW015 (11/17/95)		SW016 (11/17/95)		SW017 (11/17/95)		SW018 (11/17/95)	
All units in ug/L	Value	PQL	Value	PQL	Value	PQL	Value	PQL	Value	PQL	Value	PQL
Inorganics												
Aluminum	472.00	200.00	776.00	200.00	440.00	200.00	1540.00	200.00	1330.00	200.00	133.00 J	200.00
Antimony	2.60 U	60.00	2.60 U	60.00	2.60 U	60.00	2.60 U	60.00	2.60 U	60.00	2.60 U	60.00
Arsenic	8.70 J	10.00	3.10 J	10.00	4.20 J	10.00	2.80 U	10.00	2.80 U	10.00	8.40 J	10.00
Barium	20.50 J	200.00	14.70 J	200.00	14.90 J	200.00	9.30 J	200.00	8.30 J	200.00	50.60 J	200.00
Beryllium	0.19 U	5.00	0.23 U	5.00	0.19 U	5.00	0.21 U	5.00	0.22 U	5.00	0.12 U	5.00
Cadmium	0.24 U	5.00	0.24 U	5.00	0.24 U	5.00	0.24 U	5.00	0.24 U	5.00	0.24 U	5.00
Calcium	11800.00	5000.00	8800.00	5000.00	10600.00	5000.00	9860.00	5000.00	9380.00	5000.00	28800.00	5000.00
Chromium	0.88 J	10.00	1.20 J	10.00	1.10 J	10.00	1.90 J	10.00	1.40 J	10.00	1.60 J	10.00
Cobalt	0.61 U	50.00	0.61 U	50.00	0.61 U	50.00	0.61 U	50.00	0.61 U	50.00	1.30 J	50.00
Copper	1.10 U	25.00	1.10 U	25.00	1.10 U	25.00	1.20 J	25.00	1.30 J	25.00	1.10 U	25.00
Iron	1570.00	100.00	1150.00	100.00	863.00	100.00	1950.00	100.00	1630.00	100.00	14500.00	100.00
Lead	1.90 J	5.00	1.60 UJ	5.00	1.60 UJ	5.00	1.80 UJ	5.00	2.20 UJ	5.00	1.60 UJ	5.00
Magnesium	2850.00 J	5000.00	2220.00 J	5000.00	2420.00 J	5000.00	5150.00	5000.00	4830.00 J	5000.00	9330.00	5000.00
Manganese	342.00	15.00	118.00	15.00	151.00	15.00	123.00	15.00	114.00	15.00	981.00	15.00
Mercury	0.10 U	0.20	0.12 J	0.20	0.10 U	0.20	0.10 UJ	0.20	0.10 UJ	0.20	0.10 U	0.20
Nickel	1.50 J	40.00	1.10 J	40.00	1.10 J	40.00	1.40 J	40.00	1.10 J	40.00	1.30 J	40.00
Potassium	2270.00 J	5000.00	2810.00 J	5000.00	2030.00 J	5000.00	3500.00 J	5000.00	3830.00 J	5000.00	6250.00	5000.00
Selenium	3.70 UJ	5.00	3.70 UJ	5.00	3.70 UJ	5.00	3.70 UJ	5.00	3.70 UJ	5.00	3.70 UJ	5.00
Silver	0.67 U	10.00	0.67 U	10.00	0.67 U	10.00	0.67 U	10.00	0.67 U	10.00	0.67 U	10.00
Sodium	13800.00	5000.00	9680.00	5000.00	11400.00	5000.00	16700.00	5000.00	16000.00	5000.00	47700.00	5000.00
Thallium	5.50 UJ	10.00	5.50 UJ	10.00	5.50 UJ	10.00	5.50 UJ	10.00	7.00 J	10.00	5.50 UJ	10.00
Vanadium	1.80 U	50.00	2.10 U	50.00	1.60 U	50.00	3.40 U	50.00	2.70 U	50.00	1.10 U	50.00
Zinc	16.00 U	20.00	13.20 U	20.00	9.60 U	20.00	14.20 U	20.00	13.20 U	20.00	11.80 U	20.00
Dilution Factor	1		1		1		1		1		1	

Parameter	SW020 (11/17/95)	
All units in ug/L	Value	PQL
Inorganics		
Aluminum	485.00	200.00
Antimony	2.60 U	60.00
Arsenic	2.80 U	10.00
Barium	11.40 J	200.00
Beryllium	0.21 U	5.00
Cadmium	0.24 U	5.00
Calcium	5520.00	5000.00
Chromium	0.59 J	10.00
Cobalt	0.61 U	50.00
Copper	1.10 U	25.00
Iron	677.00	100.00
Lead	1.60 UJ	5.00
Magnesium	1530.00 J	5000.00
Manganese	89.00	15.00
Mercury	0.10 U	0.20
Nickel	1.00 U	40.00
Potassium	1320.00 J	5000.00
Selenium	3.70 UJ	5.00
Silver	0.67 U	10.00
Sodium	7960.00	5000.00
Thallium	5.50 UJ	10.00
Vanadium	1.70 U	50.00
Zinc	19.30 U	20.00
Dilution Factor	1	

SECTION 5.0

LANDFILL GAS DATA

ANALYTICAL DATA FOR SAMPLE LOCATION LG-2
(AREA 2)

1A-ATL

VOLATILE ORGANICS ANALYSIS DATA SHEET

Summa Canister EPA Method TO-14

EPA SAMPLE NO: 10772

Lab Name:	AIR TOXICS LIMITED	SAS No.:		SDG No:	
Lab Code:		Case No:			
Matrix:	AMBIENT AIR			Lab Sample ID:	9511174-01A
Sample Vol:	30 mL			Lab File ID:	5112614
Level:	MED			Date Received:	11/17/95
% Moisture:	NA			Date Analyzed:	11/26/95
Column:	CAP	Instrument ID:	MSD-5	Dilution Factor:	56

CAS #	COMPOUND	CONCENTRATION (ppbv)	Q
75-71-8	Freon 12 (Dichlorodifluoromethane)	1100	
76-14-2	Freon 114 (1,2-Dichloro-1,1,2,2-tetrafluoroethane)	28	U
74-87-3	Chloromethane	28	U
75-01-4	Vinyl Chloride	170	
74-83-9	Bromomethane	28	U
75-00-3	Chloroethane	10000	
75-69-4	Freon 11 (Trichlorofluoromethane)	160	
75-35-4	1,1-Dichloroethene	28	U
76-13-1	Freon 113 (1,1,2-Trichloro-1,2,2-trifluoroethane)	520	
75-09-2	Methylene Chloride	28	U
75-34-3	1,1-Dichloroethane	71	
156-59-2	cis-1,2-Dichloroethene	28	U
67-66-3	Chloroform	28	U
71-55-6	1,1,1-Trichloroethane	28	U
56-23-5	Carbon Tetrachloride	28	U
71-43-2	Benzene	150	
107-06-2	1,2-Dichloroethane	28	U
79-01-6	Trichloroethene	28	U
78-87-5	1,2-Dichloropropane	28	U
10061-02-6	trans-1,3-Dichloropropene	28	U
108-88-3	Toluene	110	
10061-01-5	cis-1,3-Dichloropropene	28	U
79-00-5	1,1,2-Trichloroethane	28	U
127-18-4	Tetrachloroethene	28	U
106-93-4	Ethylene Dibromide (1,2-Dibromoethane)	28	U
108-90-7	Chlorobenzene	28	U
100-41-4	Ethyl Benzene	74	
108-38-3/106-42-3	m,p-Xylene	250	
95-47-6	o-Xylene	38	
100-42-5	Styrene	28	U
79-34-5	1,1,2,2-Tetrachloroethane	28	U
108-67-8	1,3,5-Trimethylbenzene	28	U
95-63-6	1,2,4-Trimethylbenzene	28	U
541-73-1	1,3-Dichlorobenzene	28	U
106-46-7	1,4-Dichlorobenzene	28	U
100-44-7	Chlorotoluene (Benzyl Chloride)	28	U
95-50-1	1,2-Dichlorobenzene	28	U
120-82-1	1,2,4-Trichlorobenzene	28	U
87-68-3	Hexachlorobutadiene	28	U

1A-ATL

VOLATILE ORGANICS ANALYSIS DATA SHEET

Summa Canister EPA Method TO-14 Continued

EPA SAMPLE NO

10772

Lab Name:	AIR TOXICS LIMITED	SAS No.:		SDG No:	
Lab Code:		Case No:			
Matrix:	AMBIENT AIR			Lab Sample ID:	9511174-01A
Sample Vol:	30 mL			Lab File ID:	5112614
Level:	MED			Date Received:	11/17/95
% Moisture:	NA			Date Analyzed:	11/26/95
Column:	CAP	Instrument ID:	MSD-5	Dilution Factor:	56

CAS #	COMPOUND	CONCENTRATION (ppbv)	Q
115-07-1	Propylene	110	U
106-99-0	1,3-Butadiene	110	U
67-64-1	Acetone	110	U
75-15-0	Carbon Disulfide	110	U
67-63-0	2-Propanol	110	U
156-60-5	trans-1,2-Dichloroethene	110	U
108-05-4	Vinyl Acetate	110	U
126-99-8	Chloroprene	110	U
78-93-3	2-Butanone	110	U
110-54-3	Hexane	11000	
109-99-9	Tetrahydrofuran	110	U
110-82-7	Cyclohexane	4200	
123-91-1	1,4-Dioxane	110	U
75-27-4	Bromodichloromethane	110	U
108-10-1	4-Methyl-2-pentanone (MIBK)	110	U
591-78-6	2-Hexanone	110	U
124-48-1	Dibromochloromethane	110	U
75-25-2	Bromoform	110	U
622-96-8	4-Ethyltoluene	110	U
64-17-5	Ethanol	110	U
1634-04-4	Methyl t-Butyl Ether (MTBE)	110	U
142-82-5	Heptane	3400	

ANALYTICAL DATA FOR SAMPLE LOCATION LG-4
(AREA 4)

1A-ATL

VOLATILE ORGANICS ANALYSIS DATA SHEET

Summa Canister EPA Method TO-14

EPA SAMPLE NO

10986

Lab Name:	AIR TOXICS LIMITED	SAS No.:		SDG No:	
Lab Code:		Case No:			
Matrix:	AMBIENT AIR			Lab Sample ID:	9511174-02A
Sample Vol:	88 mL			Lab File ID:	5112705
Level:	MED			Date Received:	11/17/95
% Moisture:	NA			Date Analyzed:	11/27/95
Column:	CAP	Instrument ID:	MSD-5	Dilution Factor:	18

CAS #	COMPOUND	CONCENTRATION (ppbv)	Q
75-71-8	Freon 12 (Dichlorodifluoromethane)	140	
76-14-2	Freon 114 (1,2-Dichloro-1,1,2,2-tetrafluoroethane)	23	
74-87-3	Chloromethane	9.0	U
75-01-4	Vinyl Chloride	240	
74-83-9	Bromomethane	9.0	U
75-00-3	Chloroethane	1500	
75-69-4	Freon 11 (Trichlorofluoromethane)	15	
75-35-4	1,1-Dichloroethene	9.0	U
76-13-1	Freon 113 (1,1,2-Trichloro-1,2,2-trifluoroethane)	9.0	U
75-09-2	Methylene Chloride	9.0	U
75-34-3	1,1-Dichloroethane	57	
156-59-2	cis-1,2-Dichloroethene	29	
67-66-3	Chloroform	9.0	U
71-55-6	1,1,1-Trichloroethane	9.0	U
56-23-5	Carbon Tetrachloride	9.0	U
71-43-2	Benzene	200	
107-06-2	1,2-Dichloroethane	9.0	U
79-01-6	Trichloroethene	9.0	U
78-87-5	1,2-Dichloropropane	9.0	U
10061-02-6	trans-1,3-Dichloropropene	9.0	U
108-88-3	Toluene	250	
10061-01-5	cis-1,3-Dichloropropene	9.0	U
79-00-5	1,1,2-Trichloroethane	9.0	U
127-18-4	Tetrachloroethene	9.0	U
106-93-4	Ethylene Dibromide (1,2-Dibromoethane)	9.0	U
108-90-7	Chlorobenzene	9.0	U
100-41-4	Ethyl Benzene	460	
108-38-3/106-42-3	m,p-Xylene	400	
95-47-6	o-Xylene	280	
100-42-5	Styrene	9.0	U
79-34-5	1,1,2,2-Tetrachloroethane	9.0	U
108-67-8	1,3,5-Trimethylbenzene	130	
95-63-6	1,2,4-Trimethylbenzene	350	
541-73-1	1,3-Dichlorobenzene	9.0	U
106-46-7	1,4-Dichlorobenzene	17	
100-44-7	Chlorotoluene (Benzyl Chloride)	9.0	U
95-50-1	1,2-Dichlorobenzene	9.0	U
120-82-1	1,2,4-Trichlorobenzene	9.0	U
87-68-3	Hexachlorobutadiene	9.0	U

1A-ATL

VOLATILE ORGANICS ANALYSIS DATA SHEET

Summa Canister EPA Method TO-14 (cont.)

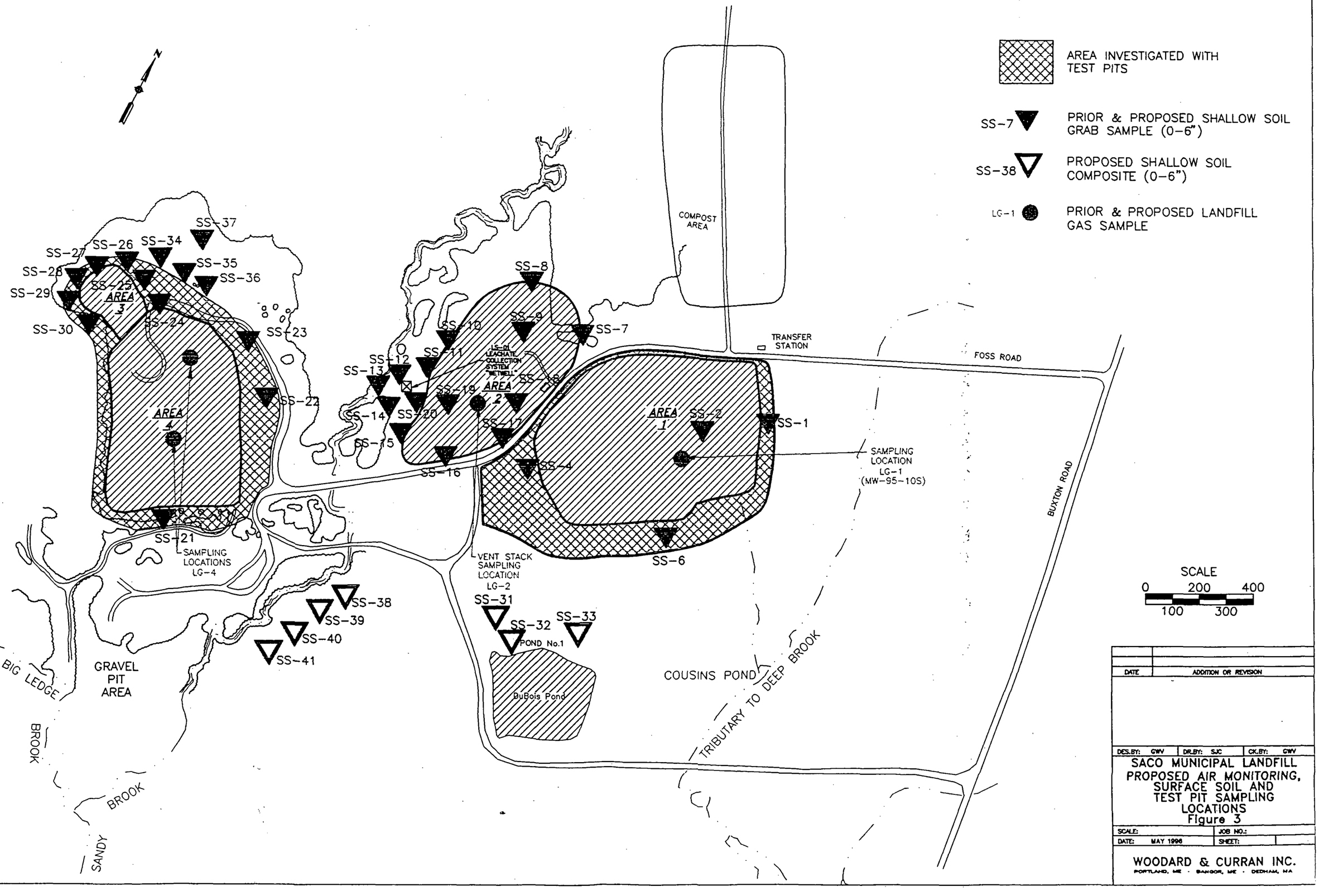
EPA SAMPLE NO: 10986

Lab Name:	AIR TOXICS LIMITED	SAS No.:		SDG No:	
Lab Code:		Case No:			
Matrix:	AMBIENT AIR			Lab Sample ID:	9511174-02A
Sample Vol:	88 mL			Lab File ID:	5112705
Level:	MED			Date Received:	11/17/95
% Moisture:	NA			Date Analyzed:	11/27/95
Column:	CAP	Instrument ID:	MSD-5	Dilution Factor:	18

CAS #	COMPOUND	CONCENTRATION (ppbv)	Q
115-07-1	Propylene	36	U
106-99-0	1,3-Butadiene	36	U
67-64-1	Acetone	140	
75-15-0	Carbon Disulfide	53	
67-63-0	2-Propanol	36	U
156-60-5	trans-1,2-Dichloroethene	36	U
108-05-4	Vinyl Acetate	36	U
126-99-8	Chloroprene	36	U
78-93-3	2-Butanone	36	U
110-54-3	Hexane	2900	
109-99-9	Tetrahydrofuran	36	U
110-82-7	Cyclohexane	2900	
123-91-1	1,4-Dioxane	36	U
75-27-4	Bromodichloromethane	36	U
108-10-1	4-Methyl-2-pentanone (MIBK)	36	U
591-78-6	2-Hexanone	36	U
124-48-1	Dibromochloromethane	36	U
75-25-2	Bromoform	36	U
622-96-8	4-Ethyltoluene	170	
64-17-5	Ethanol	36	U
1634-04-4	Methyl t-Butyl Ether (MTBE)	36	U
142-82-5	Heptane	2300	

SECTION 6.0

SURFACE SOIL DATA



DATE	ADDITION OR REVISION

DES.BY: GWV	DR.BY: SJC	CK.BY: GWV

SACO MUNICIPAL LANDFILL
PROPOSED AIR MONITORING, SURFACE SOIL AND TEST PIT SAMPLING LOCATIONS
Figure 3

SCALE:	JOB NO.:
DATE: MAY 1996	SHEET:

WOODARD & CURRAN INC.
PORTLAND, ME · BANGOR, ME · DEDHAM, MA

Analytical Data for Surface Soil Samples
Saco Municipal Landfill
Saco, Municipal

Parameter (All units in ug/Kg)	Residential Level(ug/Kg	SS001 (11/14/95) Value	PQL	SS002 (11/14/95) Value	PQL	SS004 (11/14/95) Value	PQL	SS006 (11/14/95) Value	PQL	SS007 (11/14/95) Value	PQL	SS008 (11/14/95) Value	PQL	SS009 (11/14/95) Value	PQL
Pesticides/PCBs															
4,4'-DDD	2700	ND	4.3	ND	4 3	ND	4.3	ND	5.0	ND	4 0	ND	4.3	ND	5.0
4,4'-DDE	1900	ND	4 3	ND	4.3	ND	4.3	ND	5.0	ND	4.0	ND	4 3	ND	5.0
4,4'-DDT	1900	ND	4.3	ND	4.3	ND	4.3	ND	5.0	ND	4.0	ND	4.3	ND	5.0
alpha-BHC	100	ND	2.2	ND	2.2	ND	2.2	ND	2.6	ND	2.0	ND	2.2	ND	2.6
alpha-Chlordane		ND	2.2	0.20 J	2.2	ND	2.2	ND	2.6	ND	2.0	ND	2.2	ND	2.6
Aldrin	38	ND	2.2	ND	2.2	ND	2.2	ND	2.6	ND	2.0	ND	2.2	ND	2.6
beta-BHC	350	ND	2.2	ND	2.2	ND	2.2	ND	2.6	ND	2.0	ND	2.2	ND	2.6
Chlordane	490	ND	22.0	ND	22.0	ND	22.0	ND	26.0	ND	20.0	ND	22.0	ND	26.0
delta-BHC		ND	2.2	ND	2.2	ND	2.2	ND	2.6	ND	2.0	ND	2.2	ND	2.6
Dieldrin	40	ND	4.3	ND	4.3	ND	4.3	0.19 J	5.0	ND	4.0	ND	4.3	ND	5.0
Endrin aldehyde		ND	4.3	ND	4.3	ND	4.3	ND	5.0	ND	4 0	ND	4 3	ND	5.0
Endosulfan I	470000	ND	2.2	ND	2.2	ND	2.2	ND	2.6	ND	2.0	ND	2.2	ND	2.6
Endosulfan II	470000	ND	4.3	ND	4.3	ND	4.3	ND	5.0	ND	4.0	ND	4.3	ND	5.0
Endrin	23000	ND	4.3	ND	4.3	ND	4.3	ND	5.0	ND	4.0	ND	4.3	ND	5.0
Endrin ketone		ND	4.3	ND	4.3	ND	4.3	ND	5.0	ND	4.0	ND	4.3	ND	5.0
Endosulfan sulfate		ND	4.3	ND	4.3	ND	4.3	ND	5.0	ND	4.0	ND	4.3	ND	5.0
gamma-BHC (Lindane)	490	ND	2.2	ND	2.2	ND	2.2	ND	2.6	ND	2.0	ND	2.2	0.13 J	2.6
gamma-Chlordane		ND	2.2	ND	2.2	ND	2.2	ND	2.6	ND	2.0	ND	2.2	ND	2.6
Heptachlor	140	ND	2.2	ND	2.2	ND	2.2	ND	2.6	ND	2.0	ND	2.2	ND	2.6
Heptachlor epoxide	70	ND	2.2	ND	2.2	ND	2.2	0.08 J	2.6	ND	2.0	ND	2.2	ND	2.6
Methoxychlor	390000	ND	22.0	ND	22.0	ND	22.0	ND	26.0	ND	20.0	ND	22.0	ND	26.0
PCB-1016	5500	ND	22.0	ND	22.0	ND	22.0	ND	26.0	ND	20.0	ND	22.0	ND	26.0
PCB-1221	83	ND	43.0	ND	43.0	ND	43.0	ND	50.0	ND	40.0	ND	43.0	ND	50.0
PCB-1232	83	ND	22.0	ND	22.0	ND	22.0	ND	26.0	ND	20.0	ND	22.0	ND	26.0
PCB-1242	83	ND	22.0	ND	22.0	ND	22.0	ND	26.0	ND	20.0	ND	22.0	ND	26 0
PCB-1248	83	ND	22.0	ND	22.0	ND	22.0	ND	26.0	ND	20.0	ND	22.0	ND	26 0
PCB-1254	1600	ND	22.0	ND	22.0	ND	22.0	ND	26.0	ND	20.0	ND	22.0	ND	26.0
PCB-1260	83	ND	22.0	ND	22.0	ND	22.0	ND	26 0	ND	20.0	ND	22.0	ND	26.0
Toxaphene	580	ND	43.0	ND	43.0	ND	43.0	ND	50.0	ND	40.0	ND	43.0	ND	50.0
Dilution Factor		1.3		1.3		1.3		1.5		1.2		1.3		1.5	
SVOCs															
1,2,4-Trichlorobenzene	780000	ND J	430.0	ND J	430.0	ND J	430.0	ND J	500.0	ND J	400.0	ND J	430.0	ND J	500.0
1,2-Dichlorobenzene	7000000	ND J	430.0	ND J	430.0	ND J	430.0	ND J	500.0	ND J	400.0	ND J	430.0	ND J	500.0
1,3-Dichlorobenzene	7000000	ND J	430.0	ND J	430.0	ND J	430.0	ND J	500.0	ND J	400.0	ND J	430.0	ND J	500.0
1,4-Dichlorobenzene	27000	ND J	430.0	ND J	430.0	ND J	430 0	ND J	500.0	ND J	400.0	ND J	430.0	ND J	500.0
2,4,5-Trichlorophenol	7800000	ND J	1100.0	ND J	1100.0	ND J	1100 0	ND J	1200.0	ND J	980.0	ND J	1100.0	ND J	1200.0
2,4,6-Trichlorophenol	58000	ND J	430.0	ND J	430.0	ND J	430.0	ND J	500.0	ND J	400.0	ND J	430.0	ND J	500.0
2,4-Dichlorophenol	230000	ND J	430 0	ND J	430.0	ND J	430.0	ND J	500.0	ND J	400.0	ND J	430.0	ND J	500.0
2,4-Dimethylphenol	1600000	ND J	430 0	ND J	430.0	ND J	430.0	ND J	500 0	ND J	400.0	ND J	430.0	ND J	500.0
2,4-Dinitrophenol	160000	ND J	1100.0	ND J	1100.0	ND J	1100.0	ND J	1200.0	ND J	980.0	ND J	1100.0	ND J	1200.0
2,4-Dinitrotoluene	160000	ND J	430.0	ND J	430 0	ND J	430.0	ND J	500.0	ND J	400.0	ND J	430.0	ND J	500.0
2,6-Dinitrotoluene	78000	ND J	430 0	ND J	430.0	ND J	430 0	ND J	500 0	ND J	400 0	ND J	430.0	ND J	500.0
2-Chloronaphthalene	6300000	ND J	430.0	ND J	430.0	ND J	430.0	ND J	500.0	ND J	400.0	ND J	430.0	ND J	500.0
2-Chlorophenol	390000	ND J	430.0	ND J	430.0	ND J	430.0	ND J	500.0	ND J	400.0	ND J	430 0	ND J	500 0
2-Methylnaphthalene		ND J	430.0	ND J	430.0	ND J	430.0	ND J	500.0	ND J	400.0	ND J	430.0	ND J	500.0
2-Methylphenol	3900000	ND J	430.0	ND J	430.0	ND J	430.0	ND J	500.0	ND J	400.0	ND J	430.0	ND J	500.0
2-Nitroaniline	4700	ND J	1100 0	ND J	1100.0	ND J	1100.0	ND J	1200.0	ND J	980.0	ND J	1100.0	ND J	1200 0
2-Nitrophenol		ND J	430.0	ND J	430.0	ND J	430.0	ND J	500.0	ND J	400.0	ND J	430.0	ND J	500 0
3,3'-Dichlorobenzidine	1400	ND J	430.0	ND J	430.0	ND J	430.0	ND J	500.0	ND J	400.0	ND J	430 0	ND J	500.0
3-Nitroaniline	230000	ND J	1100.0	ND J	1100.0	ND J	1100.0	ND J	1200.0	ND J	980.0	ND J	1100.0	ND J	1200.0
4,6-Dinitro-2-methylphenol	0	ND J	1100.0	ND J	1100.0	ND J	1100 0	ND J	1200.0	ND J	980.0	ND J	1100.0	ND J	1200.0
4-Bromophenyl phenyl ether	4500000	ND J	430 0	ND J	430 0	ND J	430.0	ND J	500.0	ND J	400.0	ND J	430.0	ND J	500.0
4-Chloro-3-methylphenol		ND J	430.0	ND J	430.0	ND J	430.0	ND J	500.0	ND J	400.0	ND J	430.0	ND J	500.0
4-Chloroaniline	310000	ND J	430.0	ND J	430.0	ND J	430.0	ND J	500.0	ND J	400.0	ND J	430.0	ND J	500.0
4-Chlorophenyl phenyl ether		ND J	430.0	ND J	430.0	ND J	430.0	ND J	500.0	ND J	400.0	ND J	430.0	ND J	500.0

Analytical Data for Surface Soil Samples
Saco Municipal Landfill
Saco, Municipal

Parameter	Residential	SS001 (11/14/95)		SS002 (11/14/95)		SS004 (11/14/95)		SS006 (11/14/95)		SS007 (11/14/95)		SS008 (11/14/95)		SS009 (11/14/95)	
	Level(ug/Kg	Value	PQL	Value	PQL	Value	PQL	Value	PQL	Value	PQL	Value	PQL	Value	PQL
4-Methylphenol	390000	ND J	430.0	ND J	430.0	ND J	430.0	ND J	500.0	ND J	400.0	ND J	430.0	ND J	500.0
4-Nitroaniline	*230000*	*ND J*	*1100.0*	*ND J*	*1100.0*	*ND J*	*1100.0*	*ND J*	*1200.0*	*ND J*	*980.0*	*ND J*	*1100.0*	*ND J*	*1200.0*
4-Nitrophenol	4800000	ND J	1100.0	ND J	1100.0	ND J	1100.0	ND J	1200.0	ND J	980.0	ND J	1100.0	ND J	1200.0
Acenaphthene		ND J	430.0	ND J	430.0	ND J	430.0	ND J	500.0	ND J	400.0	ND J	430.0	ND J	500.0
Acenaphthylene		ND J	430.0	ND J	430.0	ND J	430.0	ND J	500.0	ND J	400.0	ND J	430.0	ND J	500.0
Anthracene		ND J	430.0	ND J	430.0	ND J	430.0	ND J	500.0	ND J	400.0	ND J	430 0	ND J	500.0
bis(2-Chloroethyl)ether	580	ND J	430.0	ND J	430.0	ND J	430.0	ND J	500.0	ND J	400.0	ND J	430.0	ND J	500.0
bis(2-Chloroethoxy)methane		ND J	430.0	ND J	430.0	ND J	430.0	ND J	500.0	ND J	400.0	ND J	430.0	ND J	500.0
bis(2-Chloroisopropyl) ether	9100	ND J	430.0	ND J	430.0	ND J	430.0	ND J	500.0	ND J	400.0	ND J	430.0	ND J	500.0
bis(2-Ethylhexyl)phthalate	46000	ND J	430.0	ND J	430.0	ND J	430 0	ND J	500.0	ND J	400.0	1500. J	430.0	ND J	500.0
Butyl benzylphthalate	16000000	ND J	430 0	ND J	430.0	ND J	430.0	ND J	500.0	ND J	400.0	ND J	430.0	ND J	500.0
Benzo(a)anthracene		ND J	430.0	ND J	430.0	ND J	430 0	ND J	500.0	ND J	400.0	ND J	430.0	ND J	500.0
Benzo(a)pyrene		ND J	430.0	28 J	430.0	81 J	430.0	ND J	500.0	ND J	400.0	ND J	430.0	ND J	500.0
Benzo(b)fluoranthene		ND J	430.0	39 J	430.0	110 J	430.0	ND J	500.0	ND J	400.0	ND J	430.0	ND J	500.0
Benzo(k)fluoranthene		ND J	430 0	17 J	430 0	ND J	430.0	ND J	500.0	ND J	400.0	ND J	430.0	ND J	500.0
Benzo(g,h,i)perylene		ND J	430.0	19 J	430.0	59 J	430.0	ND J	500.0	ND J	400.0	ND J	430 0	ND J	500.0
Carbazole		ND J	430.0	ND J	430.0	ND J	430.0	ND J	500.0	ND J	400.0	ND J	430.0	ND J	500.0
Chrysene		ND J	430.0	ND J	430.0	ND J	430.0	ND J	500.0	ND J	400.0	ND J	430.0	ND J	500.0
Dibenzofuran	310000	ND J	430.0	ND J	430.0	ND J	430.0	ND J	500.0	ND J	400.0	ND J	430.0	ND J	500.0
Di-n-butylphthalate		ND J	430.0	ND J	430.0	ND J	430.0	ND J	500.0	ND J	400.0	ND J	430.0	ND J	500.0
Dibenzo(a,h)anthracene		ND J	430 0	ND J	430.0	ND J	430.0	ND J	500.0	ND J	400.0	ND J	430.0	ND J	500.0
Diethylphthalate	63000000	ND J	430.0	ND J	430.0	ND J	430.0	ND J	500.0	ND J	400.0	ND J	430.0	ND J	500.0
Dimethylphthalate	780000000	ND J	430.0	ND J	430.0	ND J	430.0	ND J	500.0	ND J	400.0	ND J	430.0	ND J	500.0
Di-n-octylphthalate	1600000	ND J	430.0	ND J	430.0	ND J	430.0	ND J	500.0	ND J	400.0	ND J	430.0	ND J	500.0
Fluoranthene		ND J	430.0	ND J	430.0	120 J	430.0	ND J	500.0	ND J	400.0	ND J	430 0	ND J	500.0
Fluorene		ND J	430.0	ND J	430.0	ND J	430.0	ND J	500.0	ND J	400.0	ND J	430.0	ND J	500.0
Hexachloroethane	46000	ND J	430.0	ND J	430.0	ND J	430.0	ND J	500.0	ND J	400.0	ND J	430.0	ND J	500.0
Hexachlorobutadiene	8200	ND J	430.0	ND J	430.0	ND J	430.0	ND J	500.0	ND J	400.0	ND J	430.0	ND J	500.0
Hexachlorobenzene	400	ND J	430.0	ND J	430.0	ND J	430.0	ND J	500.0	ND J	400.0	ND J	430.0	ND J	500.0
Hexachlorocyclopentadiene	550000	ND J	430.0	ND J	430.0	ND J	430.0	ND J	500.0	ND J	400.0	ND J	430.0	ND J	500.0
Indeno(1,2,3-cd)pyrene		ND J	430.0	ND J	430.0	48 J	430.0	ND J	500.0	ND J	400.0	ND J	430.0	ND J	500.0
Isophorone	670000	ND J	430.0	ND J	430.0	ND J	430.0	ND J	500.0	ND J	400.0	ND J	430.0	ND J	500.0
Naphthalene		ND J	430.0	ND J	430.0	ND J	430.0	ND J	500.0	ND J	400.0	ND J	430.0	ND J	500.0
Nitrobenzene	39000	ND J	430.0	ND J	430.0	ND J	430.0	ND J	500.0	ND J	400.0	ND J	430.0	ND J	500.0
n-Nitrosodiphenylamine	130000	ND J	430.0	ND J	430.0	ND J	430.0	ND J	500.0	ND J	400.0	ND J	430.0	ND J	500.0
n-Nitroso-dipropylamine		ND J	430.0	ND J	430.0	ND J	430.0	ND J	500.0	ND J	400.0	ND J	430.0	ND J	500.0
Pentachlorophenol	5300	ND J	1100.0	ND J	1100.0	ND J	1100.0	ND J	1200.0	ND J	980.0	ND J	1100.0	ND J	1200 0
Phenanthrene		ND J	430 0	ND J	430 0	61 J	430.0	ND J	500 0	ND J	400.0	ND J	430.0	ND J	500.0
Phenol	47000000	ND J	430.0	ND J	430.0	ND J	430.0	ND J	500.0	ND J	400.0	ND J	430.0	ND J	500.0
Pyrene		ND J	430.0	ND J	430.0	140 J	430.0	ND J	500.0	ND J	400.0	ND J	430.0	ND J	500.0
Dilution Factor		1 3		1.3		1.3		1.5		1.2		1.3		1.5	
VOCs															
1,1,1,2-tetrachloroethane	25000	1 J	1.0	ND J	1.0	ND J	1.0	ND J	2.0	ND	1.0	ND	1.0	ND J	2.0
1,1,1-Trichloroethane	7000000	1.0 J	1.0	ND J	1.0	ND J	1.0	ND J	2.0	ND	1.0	1 J	1.0	ND J	2.0
1,1,2,2-Tetrachloroethane	3200	ND J	1.0	ND J	1.0	ND J	1.0	ND J	2.0	ND	1.0	1 U	1.0	ND J	2.0
1,1,2-Trichloroethane	11000	ND J	1.0	ND J	1.0	ND J	1.0	ND J	2.0	ND	1.0	ND	1.0	ND J	2.0
1,1-Dichloroethane	7800000	ND J	1.0	ND J	1.0	ND J	1.0	ND J	2.0	ND	1.0	ND	1 0	ND J	2.0
1,1-Dichloroethene	1100	ND J	1 0	ND J	1.0	ND J	1.0	ND J	2.0	ND	1.0	ND	1.0	ND J	2.0
1,1-Dichloropropene		1 J	1.0	ND J	1.0	ND J	1.0	ND J	2.0	ND	1.0	ND	1.0	ND J	2.0
1,2,3-Trichlorobenzene		ND J	1.0	ND J	1.0	ND J	1.0	ND J	2.0	ND	1.0	ND	1.0	ND J	2.0
1,2,3-Trichloropropane	91	1 J	1.0	ND J	1.0	ND J	1.0	ND J	2.0	ND	1.0	ND	1.0	ND J	2.0
1,2,4-Trichlorobenzene	780000	ND J	1.0	ND J	1.0	ND J	1.0	ND J	2.0	ND	1.0	ND	1.0	ND J	2.0
1,2,4-Trimethylbenzene	3900000	1 J	1.0	1 J	1.0	ND J	1.0	ND J	2.0	ND	1.0	1 J	1.0	ND J	2.0
1,2-Dibromoethane	7.5	1 J	1.0	ND J	1 0	ND J	1.0	ND J	2.0	ND	1.0	ND	1.0	ND J	2.0
1,2-Dichloroethane	7000	ND J	1.0	ND J	1.0	ND J	1.0	ND J	2.0	ND	1.0	ND	1.0	ND J	2.0
1,2-Dichlorobenzene	7000000	1 J	1.0	1 J	1.0	ND J	1.0	ND J	2.0	ND	1.0	ND	1.0	ND J	2.0

Analytical Data for Surface Soil Samples
Saco Municipal Landfill
Saco, Municipal

Parameter	Residential Level(ug/Kg	SS001 (11/14/95)		SS002 (11/14/95)		SS004 (11/14/95)		SS006 (11/14/95)		SS007 (11/14/95)		SS008 (11/14/95)		SS009 (11/14/95)	
		Value	PQL	Value	PQL	Value	PQL	Value	PQL	Value	PQL	Value	PQL	Value	PQL
1,2-Dichloropropane	9400	ND J	1.0	ND J	1.0	ND J	1.0	ND J	2.0	ND	1.0	ND	1.0	ND J	2.0
1,3,5-Trimethylbenzene	3900000	ND J	1.0	1 J	1.0	ND J	1.0	ND J	2.0	ND	1.0	1 J	1.0	ND J	2.0
1,3-Dichlorobenzene	7000000	1 J	1.0	ND J	1.0	ND J	1.0	ND J	2.0	ND	1.0	ND	1.0	ND J	2.0
1,3-Dichloropropane		ND J	1.0	ND J	1.0	ND J	1.0	ND J	2.0	ND	1.0	ND	1.0	ND J	2.0
1,4-Dichlorobenzene	27000	1 J	1.0	ND J	1.0	1 J	1.0	1 J	2.0	ND	1.0	1 U	1.0	ND J	2.0
2,2-Dichloropropane		ND J	1.0	ND J	1.0	ND J	1.0	ND J	2.0	ND	1.0	ND	1.0	ND J	2.0
2-Chlorotoluene		ND J	1.0	ND J	1.0	ND J	1.0	ND J	2.0	ND	1.0	ND	1.0	ND J	2.0
2-Hexanone		ND J	5.0	ND J	5.0	ND J	5.0	ND J	6.0	ND	5.0	ND	5.0	ND J	6.0
4-Chlorotoluene		ND J	1.0	ND J	1.0	ND J	1.0	ND J	2.0	ND	1.0	ND	1.0	ND J	2.0
4-Isopropyltoluene		ND J	1.0	ND J	1.0	ND J	1.0	1 J	2.0	ND	1.0	ND	1.0	ND J	2.0
Acetone	7800000	ND J	7.0	ND J	7.0	ND J	7.0	ND J	8.0	ND	6.0	ND	7.0	ND J	8.0
Bromochloromethane		ND J	1.0	ND J	1.0	ND J	1.0	ND J	2.0	ND	1.0	ND	1.0	ND J	2.0
Bromodichloromethane	10000	1 J	1.0	ND J	1.0	ND J	1.0	ND J	2.0	ND	1.0	ND	1.0	ND J	2.0
Benzene	22000	1 J	1.0	ND J	1.0	ND J	1.0	ND J	2.0	ND	1.0	ND	1.0	ND J	2.0
Bromobenzene		1 J	1.0	ND J	1.0	ND J	1.0	ND J	2.0	ND	1.0	ND	1.0	ND J	2.0
cis-1,2-Dichloroethene	780000	ND J	1.0	ND J	1.0	ND J	1.0	ND J	2.0	ND	1.0	ND	1.0	ND J	2.0
cis-1,3-Dichloropropene	3700	ND J	1.0	ND J	1.0	ND J	1.0	ND J	2.0	ND	1.0	ND	1.0	ND J	1.0
Chloroethane	31000000	ND J	3.0	ND J	3.0	ND J	3.0	ND J	3.0	ND	2.0	ND	3.0	ND J	3.0
Bromoform	81000	ND J	1.0	ND J	1.0	ND J	1.0	ND J	2.0	ND	1.0	ND	1.0	ND J	2.0
Chloroform	100000	1 UJ	1.0	1 UJ	1.0	1 UJ	1.0	2.0 UJ	2.0	1 U	1.0	1 U	1.0	2.0 UJ	1.0
Carbon tetrachloride	4900	ND J	1.0	ND J	1.0	ND J	1.0	ND J	2.0	ND	1.0	ND	1.0	ND J	2.0
Bromomethane	110000	ND J	3.0	ND J	3.0	ND J	3.0	ND J	3.0	ND	2.0	ND	3.0	ND J	3.0
Chloromethane	49000	ND J	3.0	ND J	3.0	ND J	3.0	ND J	3.0	ND	2.0	ND	3.0	ND J	3.0
Chlorobenzene	1600000	1 J	1.0	ND J	1.0	ND J	1.0	ND J	2.0	ND	1.0	1 U	1.0	1 J	1.0
Dibromochloromethane		ND J	1.0	ND J	1.0	ND J	1.0	ND J	2.0	ND	1.0	ND	1.0	ND J	2.0
1,2-Dibromo-3-chloropropane	460	ND J	1.0	ND J	1.0	ND J	1.0	ND J	2.0	ND	1.0	ND	1.0	ND J	2.0
Dibromomethane		1 J	1.0	ND J	1.0	ND J	1.0	ND J	2.0	ND	1.0	ND	1.0	ND J	2.0
Dichlorodifluoromethane	16000000	ND J	3.0	ND J	3.0	ND J	3.0	ND J	3.0	ND	2.0	ND	3.0	ND J	3.0
Ethylbenzene	7800000	1 J	1.0	1 J	1.0	ND J	1.0	ND J	2.0	1 J	1.0	1 U	1.0	ND J	2.0
Hexachlorobutadiene	8200	1 J	1.0	ND J	1.0	ND J	1.0	ND J	2.0	ND	1.0	1 U	1.0	ND J	2.0
Isopropylbenzene		ND J	1.0	ND J	1.0	ND J	1.0	ND J	2.0	ND	1.0	ND	1.0	ND J	2.0
m-Xylene/p-Xylene	1.6E+08/NA	1 UJ	1.0	1 UJ	1.0	1 UJ	1.0	2.0 UJ	2.0	1 U	1.0	1 U	1.0	2.0 UJ	1.0
Methylene chloride	85000	7.0 UJ	1.0	6 UJ	1.0	6 UJ	1.0	7 UJ	2.0	7 U	1.0	5 U	1.0	9 UJ	2.0
2-Butanone		ND J	7.0	ND J	7.0	ND J	7.0	ND J	8.0	ND	6.0	ND	7.0	ND J	8.0
4-Methyl-2-pentanone		ND J	4.0	ND J	4.0	ND J	4.0	ND J	5.0	ND	4.0	ND	4.0	ND J	5.0
Naphthalene		ND J	1.0	1 J	1.0	ND J	1.0	ND J	2.0	ND	1.0	ND	1.0	1 J	2.0
n-Butylbenzene		ND J	1.0	ND J	1.0	ND J	1.0	ND J	2.0	ND	1.0	ND	1.0	ND J	2.0
n-Propylbenzene		ND J	1.0	ND J	1.0	ND J	1.0	ND J	2.0	ND	1.0	1 J	1.0	ND J	2.0
o-Xylene	160000000	ND J	1.0	ND J	1.0	ND J	1.0	ND J	2.0	ND	1.0	ND	1.0	ND J	2.0
Tetrachloroethene	12000	1 UJ	1.0	1 UJ	1.0	1 UJ	1.0	2.0 UJ	2.0	1 U	1.0	1 U	1.0	2.0 UJ	2.0
sec-Butylbenzene	780000	ND J	1.0	ND J	1.0	ND J	1.0	ND J	2.0	ND	1.0	ND	1.0	ND J	2.0
Styrene	16000000	ND J	1.0	ND J	1.0	ND J	1.0	ND J	2.0	ND	1.0	ND	1.0	ND J	2.0
trans-1,2-Dichloroethene	1600000	ND J	1.0	ND J	1.0	ND J	1.0	ND J	2.0	ND	1.0	ND	1.0	ND J	2.0
trans-1,3-Dichloropropene		ND J	1.0	ND J	1.0	ND J	1.0	ND J	2.0	ND	1.0	ND	1.0	ND J	1.0
tert-Butylbenzene	780000	ND J	1.0	ND J	1.0	ND J	1.0	ND J	2.0	ND	1.0	ND	1.0	ND J	2.0
Trichloroethene	58000	ND J	1.0	ND J	1.0	ND J	1.0	ND J	2.0	ND	1.0	ND	1.0	ND J	2.0
Trichlorofluoromethane	23000000	1 J	3.0	1 J	3.0	1 J	3.0	1 J	3.0	ND	2.0	ND	3.0	1 J	3.0
Tetrahydrofuran		ND J	65.0	ND J	65.0	ND J	65.0	ND J	75.0	ND	60.0	ND	65.0	ND J	75.0
Toluene	16000000	1.0 UJ	1.0	1 UJ	1.0	1 UJ	1.0	2.0 UJ	2.0	1 U	1.0	1 U	1.0	2.0 UJ	1.0
Vinyl chloride	340	ND J	3.0	ND J	3.0	ND J	3.0	ND J	3.0	ND	2.0	ND	3.0	ND J	3.0
Dilution Factor		1.4		1.3		1.3		1.5		1.2		1.3		1.5	
Solids-Total Residue (TS) %		77.	0.1	75.	0.1	79.	0.1	67.	0.1	84.	0.1	76.	0.1	65.	0.1

Analytical Data for Surface Soil Samples
Saco Municipal Landfill
Saco, Municipal

Parameter (All units in ug/Kg)	Residential Level(ug/Kg	SS010 (11/14/95) Value	PQL	SS011 (11/14/95) Value	PQL	SS012 (11/14/95) Value	PQL	SS012D (11/14/95) Value	PQL	SS013 (11/14/95) Value	PQL	SS014 (11/14/95) Value	PQL	SS015 (11/14/95) Value	PQL
Pesticides/PCBs															
4,4'-DDD	2700	ND	6.6	ND	7.9	1.2 J	9.9	ND	9.6	ND	5.6	1.0 J	12.0	24 J	53.0
4,4'-DDE	1900	ND	6.6	ND	7.9	0.90 J	9.9	ND	9.6	ND	5.6	ND	12.0	37 J	53.0
4,4'-DDT	1900	ND	6.6	ND	7.9	ND	9.9	ND	9.6	ND	5.6	ND	12.0	94.	53.0
alpha-BHC	100	ND	3.4	ND	4.1	ND	5.1	ND	4.9	ND	2.9	ND	6.1	ND J	27.0
alpha-Chlordane		ND	3.4	ND	4.1	ND	5.1	ND	4.9	ND	2.9	0.35 J	6.1	ND J	27.0
Aldrin	38	ND	3.4	ND	4.1	ND	5.1	ND	4.9	ND	2.9	ND	6.1	ND J	27.0
beta-BHC	350	ND	3.4	ND	4.1	ND	5.1	ND	4.9	ND	2.9	ND	6.1	ND J	27.0
Chlordane	490	ND	34.0	ND	41.0	ND	51.0	ND	49.0	ND	29.0	ND	61.0	ND J	270.0
delta-BHC		ND	3.4	ND	4.1	ND	5.1	ND	4.9	ND	2.9	ND	6.1	ND J	27.0
Dieldrin	40	ND	6.6	ND	7.9	ND	9.9	ND	9.6	ND	5.6	ND	12.0	ND J	53.0
Endrin aldehyde		ND	6.6	ND	7.9	ND	9.9	ND	9.6	ND	5.6	ND	12.0	ND J	53.0
Endosulfan I	470000	ND	3.4	ND	4.1	ND	5.1	ND	4.9	ND	2.9	ND	6.1	ND J	27.0
Endosulfan II	470000	ND	6.6	ND	7.9	ND	9.9	ND	9.6	ND	5.6	ND	12.0	ND J	53.0
Endrin	23000	ND	6.6	ND	7.9	ND	9.9	ND	9.6	ND	5.6	ND	12.0	ND J	53.0
Endrin ketone		ND	6.6	ND	7.9	ND	9.9	ND	9.6	ND	5.6	0.25 J	12.0	ND J	53.0
Endosulfan sulfate		ND	6.6	ND	7.9	ND	9.9	ND	9.6	ND	5.6	ND	12.0	ND J	53.0
gamma-BHC (Lindane)	490	ND	3.4	ND	4.1	ND	5.1	ND	4.9	ND	2.9	ND	6.1	ND J	27.0
gamma-Chlordane		ND	3.4	ND	4.1	ND	5.1	ND	4.9	ND	2.9	0.41 J	6.1	ND J	27.0
Heptachlor	140	0.11 J	3.4	ND	4.1	ND	5.1	ND	4.9	ND	2.9	ND	6.1	ND J	27.0
Heptachlor epoxide	70	ND	3.4	ND	4.1	ND	5.1	ND	4.9	ND	2.9	ND	6.1	ND J	27.0
Methoxychlor	390000	ND	34.0	ND	41.0	ND	51.0	ND	49.0	ND	29.0	ND	61.0	ND J	270.0
PCB-1016	5500	ND	34.0	ND	41.0	ND	51.0	ND	49.0	ND	29.0	ND	61.0	ND J	270.0
PCB-1221	83	ND	66.0	ND	79.0	ND	99.0	ND	96.0	ND	56.0	ND	120.0	ND J	530.0
PCB-1232	83	ND	34.0	ND	41.0	ND	51.0	ND	49.0	ND	29.0	ND	61.0	ND J	270.0
PCB-1242	83	ND	34.0	ND	41.0	ND	51.0	ND	49.0	ND	29.0	ND	61.0	ND J	270.0
PCB-1248	83	ND	34.0	ND	41.0	ND	51.0	ND	49.0	ND	29.0	ND	61.0	ND J	270.0
PCB-1254	1600	ND	34.0	ND	41.0	ND	51.0	ND	49.0	ND	29.0	ND	61.0	ND J	270.0
PCB-1260	83	ND	34.0	ND	41.0	ND	51.0	ND	49.0	ND	29.0	ND	61.0	ND J	270.0
Toxaphene	580	ND	66.0	ND	79.0	ND	99.0	ND	96.0	ND	56.0	ND	120.0	ND J	530.0
Dilution Factor		2		2		3		2.9		1.7		3.6		16.0	
SVOCs															
1,2,4-Trichlorobenzene	780000	ND J	660.0	ND J	790.0	ND J	990.0	ND J	960.0	ND J	590.0	ND J	1200.0	ND J	530.0
1,2-Dichlorobenzene	7000000	ND J	660.0	ND J	790.0	ND J	990.0	ND J	960.0	ND J	590.0	ND J	1200.0	ND J	530.0
1,3-Dichlorobenzene	7000000	ND J	660.0	ND J	790.0	ND J	990.0	ND J	960.0	ND J	590.0	ND J	1200.0	ND J	530.0
1,4-Dichlorobenzene	27000	76 J	660.0	ND J	790.0	ND J	990.0	ND J	960.0	ND J	590.0	ND J	1200.0	ND J	530.0
2,4,5-Trichlorophenol	7800000	ND J	1600.0	ND J	2000.0	ND J	2500.0	ND J	2400.0	ND J	1500.0	ND J	3000.0	ND J	1300.0
2,4,6-Trichlorophenol	58000	ND J	660.0	ND J	790.0	ND J	990.0	ND J	960.0	ND J	590.0	ND J	1200.0	ND J	530.0
2,4-Dichlorophenol	230000	ND J	660.0	ND J	790.0	ND J	990.0	ND J	960.0	ND J	590.0	ND J	1200.0	ND J	530.0
2,4-Dimethylphenol	1600000	ND J	660.0	ND J	790.0	ND J	990.0	ND J	960.0	ND J	590.0	ND J	1200.0	ND J	530.0
2,4-Dinitrophenol	160000	ND J	1600.0	ND J	2000.0	ND J	2500.0	ND J	2400.0	ND J	1500.0	ND J	3000.0	ND J	1300.0
2,4-Dinitrotoluene	160000	ND J	660.0	ND J	790.0	ND J	990.0	ND J	960.0	ND J	590.0	ND J	1200.0	ND J	530.0
2,6-Dinitrotoluene	78000	ND J	660.0	ND J	790.0	ND J	990.0	ND J	960.0	ND J	590.0	ND J	1200.0	ND J	530.0
2-Chloronaphthalene	6300000	ND J	660.0	ND J	790.0	ND J	990.0	ND J	960.0	ND J	590.0	ND J	1200.0	ND J	530.0
2-Chlorophenol	390000	ND J	660.0	ND J	790.0	ND J	990.0	ND J	960.0	ND J	590.0	ND J	1200.0	ND J	530.0
2-Methylnaphthalene		ND J	660.0	ND J	790.0	ND J	990.0	ND J	960.0	ND J	590.0	ND J	1200.0	ND J	530.0
2-Methylphenol	3900000	ND J	660.0	ND J	790.0	ND J	990.0	ND J	960.0	ND J	590.0	ND J	1200.0	ND J	530.0
2-Nitroaniline	4700	ND J	1600.0	ND J	2000.0	ND J	2500.0	ND J	2400.0	ND J	1500.0	ND J	3000.0	ND J	1300.0
2-Nitrophenol		ND J	660.0	ND J	790.0	ND J	990.0	ND J	960.0	ND J	590.0	ND J	1200.0	ND J	530.0
3,3'-Dichlorobenzidine	1400	ND J	660.0	ND J	790.0	ND J	990.0	ND J	960.0	ND J	590.0	ND J	1200.0	ND J	530.0
3-Nitroaniline	230000	ND J	1600.0	ND J	2000.0	ND J	2500.0	ND J	2400.0	ND J	1500.0	ND J	3000.0	ND J	1300.0
4,6-Dinitro-2-methylphenol	0	ND J	1600.0	ND J	2000.0	ND J	2500.0	ND J	2400.0	ND J	1500.0	ND J	3000.0	ND J	1300.0
4-Bromophenyl phenyl ether	4500000	ND J	660.0	ND J	790.0	ND J	990.0	ND J	960.0	ND J	590.0	ND J	1200.0	ND J	530.0
4-Chloro-3-methylphenol		ND J	660.0	ND J	790.0	ND J	990.0	ND J	960.0	ND J	590.0	ND J	1200.0	ND J	530.0
4-Chloroaniline	310000	ND J	660.0	ND J	790.0	ND J	990.0	ND J	960.0	ND J	590.0	ND J	1200.0	ND J	530.0
4-Chlorophenyl phenyl ether		ND J	660.0	ND J	790.0	ND J	990.0	ND J	960.0	ND J	590.0	ND J	1200.0	ND J	530.0

Analytical Data for Surface Soil Samples
Saco Municipal Landfill
Saco, Municipal

Parameter	Residential Level(ug/Kg	SS010 (11/14/95) Value	PQL	SS011 (11/14/95) Value	PQL	SS012 (11/14/95) Value	PQL	SS012D (11/14/95) Value	PQL	SS013 (11/14/95) Value	PQL	SS014 (11/14/95) Value	PQL	SS015 (11/14/95) Value	PQL
4-Methylphenol	390000	ND J	660.0	ND J	790.0	ND J	990.0	ND J	960.0	ND J	590.0	ND J	1200.0	ND J	530.0
4-Nitroaniline	230000	ND J	1600.0	ND J	2000.0	ND J	2500.0	ND J	2400.0	ND J	1500.0	ND J	3000.0	ND J	1300.0
4-Nitrophenol	4800000	ND J	1600.0	ND J	2000.0	ND J	2500 0	ND J	2400.0	ND J	1500.0	ND J	3000.0	ND J	1300.0
Acenaphthene		ND J	660.0	ND J	790.0	ND J	990.0	ND J	960.0	ND J	590.0	ND J	1200.0	ND J	530.0
Acenaphthylene		ND J	660.0	ND J	790.0	ND J	990.0	ND J	960.0	ND J	590.0	ND J	1200.0	ND J	530.0
Anthracene		ND J	660.0	ND J	790.0	ND J	990.0	ND J	960.0	ND J	590.0	ND J	1200.0	ND J	530.0
bis(2-Chloroethyl)ether	580	ND J	660.0	ND J	790.0	ND J	990.0	ND J	960.0	ND J	590.0	ND J	1200.0	ND J	530.0
bis(2-Chloroethoxy)methane		ND J	660.0	ND J	790.0	ND J	990.0	ND J	960.0	ND J	590.0	ND J	1200.0	ND J	530.0
bis(2-Chloroisopropyl) ether	9100	ND J	660.0	ND J	790.0	ND J	990.0	ND J	960.0	ND J	590.0	ND J	1200.0	ND J	530.0
bis(2-Ethylhexyl)phthalate	46000	ND J	660.0	ND J	790.0	ND J	990.0	ND J	960.0	ND J	590.0	ND J	1200.0	6800. J	530.0
Butyl benzylphthalate	16000000	ND J	660.0	ND J	790.0	ND J	990.0	ND J	960.0	ND J	590.0	ND J	1200.0	ND J	530.0
Benzo(a)anthracene		ND J	660.0	ND J	790.0	ND J	990.0	ND J	960.0	ND J	590.0	ND J	1200.0	130 J	530.0
Benzo(a)pyrene		ND J	660.0	ND J	790.0	ND J	990.0	ND J	960.0	ND J	590.0	ND J	1200.0	96 J	530.0
Benzo(b)fluoranthene		ND J	660.0	ND J	790.0	ND J	990.0	ND J	960 0	ND J	590.0	ND J	1200.0	160 J	530.0
Benzo(k)fluoranthene		ND J	660.0	ND J	790.0	ND J	990.0	ND J	960.0	ND J	590.0	ND J	1200.0	56 J	530.0
Benzo(g,h,i)perylene		ND J	660 0	ND J	790.0	ND J	990.0	ND J	960.0	ND J	590.0	ND J	1200 0	66 J	530.0
Carbazole		ND J	660.0	ND J	790.0	ND J	990.0	ND J	960.0	ND J	590.0	ND J	1200.0	ND J	530.0
Chrysene		ND J	660.0	ND J	790.0	ND J	990.0	ND J	960.0	ND J	590.0	ND J	1200.0	140 J	530.0
Dibenzofuran	310000	ND J	660.0	ND J	790.0	ND J	990.0	ND J	960.0	ND J	590.0	ND J	1200.0	ND J	530.0
Di-n-butylphthalate		ND J	660.0	ND J	790.0	ND J	990.0	ND J	960.0	ND J	590.0	ND J	1200.0	ND J	530.0
Dibenzo(a,h)anthracene		ND J	660.0	ND J	790.0	ND J	990.0	ND J	960.0	ND J	590.0	ND J	1200.0	ND J	530.0
Diethylphthalate	63000000	ND J	660.0	ND J	790.0	ND J	990.0	ND J	960.0	ND J	590.0	ND J	1200.0	ND J	530.0
Dimethylphthalate	780000000	ND J	660.0	ND J	790.0	ND J	990.0	ND J	960.0	ND J	590.0	ND J	1200.0	ND J	530.0
Di-n-octylphthalate	1600000	ND J	660.0	ND J	790.0	ND J	990.0	ND J	960.0	ND J	590.0	ND J	1200.0	82 J	530.0
Fluoranthene		ND J	660.0	ND J	790.0	ND J	990.0	ND J	960.0	ND J	590.0	ND J	1200.0	310 J	530.0
Fluorene		ND J	660 0	ND J	790.0	ND J	990.0	ND J	960.0	ND J	590.0	ND J	1200.0	ND J	530.0
Hexachloroethane	46000	ND J	660.0	ND J	790.0	ND J	990.0	ND J	960.0	ND J	590.0	ND J	1200.0	ND J	530.0
Hexachlorobutadiene	8200	ND J	660.0	ND J	790.0	ND J	990.0	ND J	960.0	ND J	590.0	ND J	1200.0	ND J	530.0
Hexachlorobenzene	400	ND J	660.0	ND J	790.0	ND J	990 0	ND J	960.0	ND J	590.0	ND J	1200.0	ND J	530.0
Hexachlorocyclopentadiene	550000	ND J	660.0	ND J	790.0	ND J	990.0	ND J	960.0	ND J	590.0	ND J	1200.0	ND J	530.0
Indeno(1,2,3-cd)pyrene		ND J	660.0	ND J	790.0	ND J	990.0	ND J	960.0	ND J	590.0	ND J	1200.0	57 J	530.0
Isophorone	670000	ND J	660.0	ND J	790.0	ND J	990.0	ND J	960.0	ND J	590.0	ND J	1200.0	ND J	530.0
Naphthalene		ND J	660.0	ND J	790.0	ND J	990.0	ND J	960.0	ND J	590.0	ND J	1200.0	ND J	530.0
Nitrobenzene	39000	ND J	660.0	ND J	790.0	ND J	990.0	ND J	960.0	ND J	590 0	ND J	1200.0	ND J	530.0
n-Nitrosodiphenylamine	130000	ND J	660 0	ND J	790.0	ND J	990.0	ND J	960.0	ND J	590.0	ND J	1200.0	ND J	530.0
n-Nitroso-dipropylamine		ND J	660.0	ND J	790.0	ND J	990.0	ND J	960.0	ND J	590.0	ND J	1200.0	ND J	530.0
Pentachlorophenol	5300	ND J	1600.0	ND J	2000.0	ND J	2500.0	ND J	2400.0	ND J	1500.0	ND J	3000.0	ND J	1300.0
Phenanthrene		ND J	660.0	ND J	790.0	ND J	990.0	ND J	960.0	ND J	590.0	ND J	1200.0	180 J	530.0
Phenol	47000000	ND J	660.0	ND J	790.0	ND J	990.0	ND J	960.0	ND J	590.0	ND J	1200.0	ND J	530.0
Pyrene		ND J	660 0	ND J	790.0	ND J	990 0	ND J	960.0	ND J	590.0	ND J	1200 0	250 J	530.0
Dilution Factor		2		2		3		2.9		1.8		3.7		1 6	
VOCs															
1,1,1,2-tetrachloroethane	25000	ND J	2.0	ND J	2.0	ND J	3.0	ND J	3.0	ND	2.0	ND	4.0	ND J	2.0
1,1,1-Trichloroethane	7000000	ND J	2.0	ND J	2.0	ND J	3.0	ND J	3.0	ND	2.0	ND	4.0	ND J	2.0
1,1,2,2-Tetrachloroethane	3200	1 J	2.0	1 J	2 0	ND J	3.0	ND J	3.0	ND	2.0	ND	4.0	ND J	2.0
1,1,2-Trichloroethane	11000	ND J	2.0	ND J	2.0	ND J	3.0	ND J	3.0	ND	2.0	ND	4.0	ND J	2.0
1,1-Dichloroethane	7800000	ND J	2.0	ND J	2.0	ND J	3.0	ND J	3.0	ND	2.0	ND	4 0	ND J	2.0
1,1-Dichloroethene	1100	ND J	2.0	ND J	2.0	ND J	3.0	ND J	3.0	ND	2.0	ND	4 0	ND J	2.0
1,1-Dichloropropene		ND J	2.0	1 J	2.0	1 J	3.0	ND J	3.0	1 J	2.0	ND	4.0	1.0 J	2.0
1,2,3-Trichlorobenzene		1 J	2.0	1 J	2.0	2 J	3.0	ND J	3.0	ND	2.0	ND	4.0	ND J	2.0
1,2,3-Trichloropropane	91	1 J	2.0	ND J	2 0	ND J	3.0	ND J	3.0	ND	2.0	ND	4.0	ND J	2.0
1,2,4-Trichlorobenzene	780000	1 J	2.0	1 J	2.0	1 J	3.0	ND J	3.0	ND	2.0	ND	4.0	ND J	2.0
1,2,4-Trimethylbenzene	3900000	ND J	2.0	1 J	2.0	1 J	3.0	ND J	3.0	1 J	2.0	ND	4.0	ND J	2.0
1,2-Dibromoethane	7.5	ND J	2.0	ND J	2.0	ND J	3.0	ND J	3.0	ND	2.0	ND	4.0	ND J	2.0
1,2-Dichloroethane	7000	ND J	2 0	ND J	2.0	ND J	3.0	ND J	3.0	ND	2.0	ND	4.0	ND J	2.0
1,2-Dichlorobenzene	7000000	2 UJ	2 0	3 UJ	2.0	1 J	3.0	3.0 UJ	3.0	1 J	2.0	4.0 U	4 0	2.0 UJ	2.0

Analytical Data for Surface Soil Samples
Saco Municipal Landfill
Saco, Municipal

Parameter (All units in ug/Kg)	Residential Level(ug/Kg	SS016 (11/16/95) Value	PQL	SS017 (11/16/95) Value	PQL	SS018 (11/16/95) Value	PQL	SS018D (11/16/95) Value	PQL	SS019 (11/16/95) Value	PQL	SS020 (11/16/95) Value	PQL	SS021 (11/16/95) Value	PQL
Pesticides/PCBs															
4,4'-DDD	2700	ND J	5.3	ND J	5.0	ND J	6.9	ND J	6.3	ND J	8.3	ND J	4.6	8.6 J	4.6
4,4'-DDE	1900	ND J	5.3	ND J	5.0	ND J	6.9	0.52 J	6.3	0.52 J	8.3	ND J	4.6	ND J	4.6
4,4'-DDT	1900	ND J	5.3	ND J	5.0	ND J	6.9	ND J	6.3	ND R	8.3	ND J	4.6	ND J	4.6
alpha-BHC	100	ND J	2.7	ND J	2.6	ND J	3.6	ND J	3.2	ND J	4.3	ND J	2.4	ND J	2.4
alpha-Chlordane		ND J	2.7	ND J	2.6	ND J	3.6	ND J	3.2	ND J	4.3	ND J	2.4	ND J	2.4
Aldrin	38	ND J	2.7	ND J	2.6	ND J	3.6	ND J	3.2	ND J	4.3	ND J	2.4	ND J	2.4
beta-BHC	350	ND J	2.7	ND J	2.6	ND J	3.6	ND J	3.2	ND J	4.3	ND J	2.4	ND J	2.4
Chlordane	490	ND J	27.0	ND J	26.0	ND J	36.0	ND J	32.0	ND J	43.0	ND J	24.0	ND J	24.0
delta-BHC		ND J	2.7	ND J	2.6	ND J	3.6	ND J	3.2	ND J	4.3	ND J	2.4	ND J	2.4
Dieldrin	40	ND J	5.3	ND J	5.0	0.69 J	6.9	1.2 J	6.3	ND J	8.3	ND J	4.6	ND J	4.6
Endrin aldehyde		ND J	5.3	ND J	5.0	ND J	6.9	ND J	6.3	ND J	8.3	ND J	4.6	ND J	4.6
Endosulfan I	470000	ND J	2.7	ND J	2.6	ND J	3.6	ND J	3.2	ND J	4.3	ND J	2.4	ND J	2.4
Endosulfan II	470000	ND J	5.3	ND J	5.0	0.33 J	6.9	0.55 J	6.3	ND J	8.3	ND J	4.6	ND J	4.6
Endrin	23000	ND J	5.3	ND J	5.0	ND J	6.9	ND J	6.3	ND J	8.3	ND J	4.6	ND J	4.6
Endrin ketone		ND J	5.3	ND J	5.0	ND J	6.9	ND J	6.3	ND J	8.3	ND J	4.6	ND J	4.6
Endosulfan sulfate		ND J	5.3	ND J	5.0	ND J	6.9	ND J	6.3	ND J	8.3	ND J	4.6	ND J	4.6
gamma-BHC (Lindane)	490	ND J	2.7	ND J	2.6	ND J	3.6	ND J	3.2	ND J	4.3	ND J	2.4	ND J	2.4
gamma-Chlordane		ND J	2.7	ND J	2.6	ND J	3.6	ND J	3.2	ND J	4.3	ND J	2.4	ND J	2.4
Heptachlor	140	ND J	2.7	ND J	2.6	ND J	3.6	ND J	3.2	ND J	4.3	ND J	2.4	ND J	2.4
Heptachlor epoxide	70	ND J	2.7	ND J	2.6	ND J	3.6	ND J	3.2	ND J	4.3	ND J	2.4	ND J	2.4
Methoxychlor	390000	ND J	27.0	ND J	26.0	ND J	36.0	ND J	32.0	ND J	43.0	ND J	24.0	ND J	24.0
PCB-1016	5500	ND J	27.0	ND J	26.0	ND J	36.0	ND J	32.0	ND J	43.0	ND J	24.0	ND J	24.0
PCB-1221	83	ND J	53.0	ND J	50.0	ND J	69.0	ND J	63.0	ND J	83.0	ND J	46.0	ND J	46.0
PCB-1232	83	ND J	27.0	ND J	26.0	ND J	36.0	ND J	32.0	ND J	43.0	ND J	24.0	ND J	24.0
PCB-1242	83	ND J	27.0	ND J	26.0	ND J	36.0	ND J	32.0	ND J	43.0	ND J	24.0	ND J	24.0
PCB-1248	83	ND J	27.0	ND J	26.0	ND J	36.0	ND J	32.0	ND J	43.0	ND J	24.0	ND J	24.0
PCB-1254	1600	ND J	27.0	ND J	26.0	ND J	36.0	ND J	32.0	ND J	43.0	ND J	24.0	ND J	24.0
PCB-1260	83	ND J	27.0	ND J	26.0	ND J	36.0	ND J	32.0	ND J	43.0	ND J	24.0	ND J	24.0
Toxaphene	580	ND J	53.0	ND J	50.0	ND J	69.0	ND J	63.0	ND J	83.0	ND J	46.0	ND J	46.0
Dilution Factor		1.6		1.5		2.1		1.9		2.5		1.4		1.4	
SVOCs															
1,2,4-Trichlorobenzene	780000	ND	530.0	ND	500.0	ND	690.0	ND	630.0	ND R	830.0	ND	460.0	ND	460.0
1,2-Dichlorobenzene	7000000	ND	530.0	ND J	500.0	ND	690.0	ND	630.0	ND R	830.0	ND	460.0	ND	460.0
1,3-Dichlorobenzene	7000000	ND	530.0	ND J	500.0	ND	690.0	ND	630.0	ND R	830.0	ND	460.0	ND	460.0
1,4-Dichlorobenzene	27000	ND	530.0	ND J	500.0	ND	690.0	ND	630.0	ND R	830.0	ND	460.0	ND	460.0
2,4,5-Trichlorophenol	7800000	ND	1300.0	ND J	1200.0	ND	1700.0	ND	1600.0	ND	2100.0	ND	1100.0	ND	1100.0
2,4,6-Trichlorophenol	58000	ND	530.0	ND J	500.0	ND	690.0	ND	630.0	ND	830.0	ND	460.0	ND	460.0
2,4-Dichlorophenol	230000	ND	530.0	ND J	500.0	ND	690.0	ND	630.0	ND	830.0	ND	460.0	ND	460.0
2,4-Dimethylphenol	1600000	ND	530.0	ND J	500.0	ND	690.0	ND	630.0	ND	830.0	ND	460.0	ND	460.0
2,4-Dinitrophenol	160000	ND	1300.0	ND J	1200.0	ND	1700.0	ND	1600.0	ND	2100.0	ND	1100.0	ND	1100.0
2,4-Dinitrotoluene	160000	ND	530.0	ND J	500.0	ND	690.0	ND	630.0	ND R	830.0	ND	460.0	ND	460.0
2,6-Dinitrotoluene	78000	ND	530.0	ND J	500.0	ND	690.0	ND	630.0	ND R	830.0	ND	460.0	ND	460.0
2-Chloronaphthalene	6300000	ND	530.0	ND J	500.0	ND	690.0	ND	630.0	ND R	830.0	ND	460.0	ND	460.0
2-Chlorophenol	390000	ND	530.0	ND J	500.0	ND	690.0	ND	630.0	ND	830.0	ND	460.0	ND	460.0
2-Methylnaphthalene		ND	530.0	ND J	500.0	ND	690.0	ND	630.0	ND R	830.0	ND	460.0	ND	460.0
2-Methylphenol	3900000	ND	530.0	ND J	500.0	ND	690.0	ND	630.0	ND	830.0	ND	460.0	ND	460.0
2-Nitroaniline	4700	ND	1300.0	ND J	1200.0	ND	1700.0	ND	1600.0	ND R	2100.0	ND	1100.0	ND	1100.0
2-Nitrophenol		ND	530.0	ND J	500.0	ND	690.0	ND	630.0	ND	830.0	ND	460.0	ND	460.0
3,3'-Dichlorobenzidine	1400	ND	530.0	ND J	500.0	ND	690.0	ND	630.0	ND R	830.0	ND	460.0	ND	460.0
3-Nitroaniline	230000	ND	1300.0	ND J	1200.0	ND	1700.0	ND	1600.0	ND R	2100.0	ND	1100.0	ND	1100.0
4,6-Dinitro-2-methylphenol	0	ND	1300.0	ND J	1200.0	ND	1700.0	ND	1600.0	ND	2100.0	ND	1100.0	ND	1100.0
4-Bromophenyl phenyl ether	4500000	ND	530.0	ND J	500.0	ND	690.0	ND	630.0	ND R	830.0	ND	460.0	ND	460.0
4-Chloro-3-methylphenol		ND	530.0	ND J	500.0	ND	690.0	ND	630.0	ND	830.0	ND	460.0	ND	460.0
4-Chloroaniline	310000	ND	530.0	ND J	500.0	ND	690.0	ND	630.0	ND R	830.0	ND	460.0	ND	460.0
4-Chlorophenyl phenyl ether		ND	530.0	ND J	500.0	ND	690.0	ND	630.0	ND R	830.0	ND	460.0	ND	460.0

Analytical Data for Surface Soil Samples
Saco Municipal Landfill
Saco, Municipal

Parameter	Residential Level(ug/Kg	SS016 (11/16/95)		SS017 (11/16/95)		SS018 (11/16/95)		SS018D (11/16/95)		SS019 (11/16/95)		SS020 (11/16/95)		SS021 (11/16/95)	
		Value	PQL	Value	PQL	Value	PQL	Value	PQL	Value	PQL	Value	PQL	Value	PQL
4-Methylphenol	390000	ND	530.0	ND J	500.0	ND	690.0	ND	630.0	ND	830.0	ND	460.0	ND	460.0
4-Nitroaniline	230000	ND	1300.0	ND J	1200.0	ND	1700.0	ND	1600.0	ND R	2100.0	ND	1100.0	ND	1100.0
4-Nitrophenol	4800000	ND	1300 0	ND J	1200.0	ND	1700.0	ND	1600.0	ND J	2100.0	ND	1100.0	ND	1100.0
Acenaphthene		ND	530.0	ND J	500.0	ND	690.0	ND	630.0	ND R	830.0	ND	460.0	ND	460.0
Acenaphthylene		ND	530.0	ND J	500.0	ND	690.0	ND	630 0	ND R	830.0	ND	460.0	ND	460.0
Anthracene		ND	530.0	ND J	500.0	ND	690.0	ND	630.0	ND R	830.0	ND	460.0	93 J	460.0
bis(2-Chloroethyl)ether	580	ND	530.0	ND J	500 0	ND	690.0	ND	630.0	ND R	830.0	ND	460.0	ND	460.0
bis(2-Chloroethoxy)methane		ND	530.0	ND J	500 0	ND	690.0	ND	630.0	ND	830.0	ND	460 0	ND	460.0
bis(2-Chloroisopropyl) ether	9100	ND	530 0	ND J	500.0	ND	690.0	ND	630.0	ND R	830.0	ND	460.0	ND	460.0
bis(2-Ethylhexyl)phthalate	46000	ND	530 0	ND J	500.0	ND	690.0	ND	630.0	ND R	830.0	ND	460.0	ND	460.0
Butyl benzylphthalate	16000000	ND	530.0	ND J	500.0	ND	690.0	ND	630.0	ND R	830.0	ND	460.0	ND	460.0
Benzo(a)anthracene		ND	530.0	ND J	500 0	ND	690.0	ND	630.0	ND R	830.0	ND	460.0	430 J	460.0
Benzo(a)pyrene		ND	530.0	ND J	500.0	ND	690.0	ND	630.0	ND R	830.0	ND	460 0	410 J	460.0
Benzo(b)fluoranthene		ND	530.0	ND J	500.0	ND	690 0	ND	630.0	ND R	830.0	ND	460.0	810 J	460 0
Benzo(k)fluoranthene		*ND*	*530.0*	*ND J*	*500.0*	*ND*	*690.0*	*ND*	*630.0*	*ND R*	*830.0*	*ND*	460.0	ND	460.0
Benzo(g,h,i)perylene		ND	530.0	ND J	500.0	ND	690.0	ND	630.0	ND R	830.0	ND	460.0	270 J	460.0
Carbazole		ND	530.0	ND J	500 0	ND	690.0	ND	630.0	ND R	830.0	ND	460.0	ND	460 0
Chrysene		ND	530.0	ND J	500.0	ND	690.0	ND	630.0	ND R	830.0	ND	460.0	440 J	460 0
Dibenzofuran	310000	ND	530.0	ND J	500.0	ND	690.0	ND	630.0	ND R	830.0	ND	460.0	ND	460.0
Di-n-butylphthalate		ND	530.0	ND J	500.0	ND	690 0	ND	630.0	ND R	830.0	1100 UJ	460.0	720 UJ	460.0
Dibenzo(a,h)anthracene		ND	530.0	ND J	500.0	ND	690.0	ND	630.0	ND R	830.0	ND	460.0	81 J	460.0
Diethylphthalate	63000000	ND	530.0	ND J	500.0	ND	690.0	ND	630.0	ND R	830.0	ND	460.0	ND	460.0
Dimethylphthalate	780000000	ND	530.0	ND J	500.0	ND	690.0	ND	630.0	ND R	830.0	ND	460.0	ND	460.0
Di-n-octylphthalate	1600000	ND	530.0	ND J	500.0	ND	690.0	ND	630 0	ND R	830.0	ND	460.0	ND	460.0
Fluoranthene		ND	530.0	ND J	500 0	ND	690.0	ND	630.0	ND R	830.0	ND	460.0	840. J	460.0
Fluorene		ND	530.0	ND J	500.0	ND	690.0	ND	630.0	ND R	830.0	ND	460.0	ND	460.0
Hexachloroethane	46000	ND	530.0	ND J	500.0	ND	690.0	ND	630.0	ND R	830.0	ND	460.0	ND	460.0
Hexachlorobutadiene	8200	ND	530.0	ND J	500.0	ND	690.0	ND	630.0	ND R	830.0	ND	460.0	ND	460.0
Hexachlorobenzene	400	ND	530.0	ND J	500.0	ND	690.0	ND	630.0	ND R	830.0	ND	460.0	ND	460.0
Hexachlorocyclopentadiene	550000	ND	530.0	ND J	500.0	ND	690.0	ND	630.0	ND R	830.0	ND	460.0	ND	460.0
Indeno(1,2,3-cd)pyrene		ND	530.0	ND J	500 0	ND	690.0	ND	630.0	ND R	830.0	ND	460 0	240 J	460.0
Isophorone	670000	ND	530.0	ND J	500 0	ND	690.0	ND	630.0	ND R	830.0	ND	460.0	ND	460.0
Naphthalene		ND	530.0	ND J	500.0	ND	690.0	ND	630.0	ND R	830.0	ND	460.0	ND	460.0
Nitrobenzene	39000	ND	530.0	ND J	500.0	ND	690.0	ND	630.0	ND R	830.0	ND	460.0	ND	460 0
n-Nitrosodiphenylamine	130000	ND UJ	530.0	ND J	500.0	ND	690.0	ND	630.0	ND R	830.0	ND	460.0	ND	460.0
n-Nitroso-dipropylamine		ND	530.0	ND UJ	500.0	ND UJ	690.0	ND UJ	630.0	ND R	830.0	ND UJ	460.0	ND	460.0
Pentachlorophenol	5300	ND	1300.0	ND J	1200.0	ND	1700.0	ND	1600.0	ND	2100.0	ND	1100.0	ND	1100 0
Phenanthrene		ND	530.0	ND J	500.0	ND	690.0	ND	630.0	ND R	830.0	ND	460.0	460 J	460.0
Phenol	47000000	ND	530 0	ND J	500.0	ND	690.0	ND	630.0	ND	830.0	ND	460.0	ND	460.0
Pyrene		ND	530.0	ND J	500.0	ND	690.0	ND	630.0	ND R	830.0	ND	460.0	660. J	460.0
Dilution Factor		*1.6*		*1.5*		*2.1*		*1.9*		*2.5*		*1.4*		*1.4*	
VOCs															
1,1,1,2-tetrachloroethane	25000	ND J	2.0	ND J	2 0	ND J	2.0	ND J	2 0	ND J	3.0	ND J	1.0	ND	1.0
1,1,1-Trichloroethane	7000000	ND J	2 0	ND J	2.0	ND J	2.0	ND J	2.0	ND J	3.0	ND J	1.0	ND	1.0
1,1,2,2-Tetrachloroethane	3200	ND J	2.0	ND R	2 0	ND R	2.0	ND J	2.0	ND J	3.0	ND J	1.0	ND	1.0
1,1,2-Trichloroethane	11000	ND J	2.0	ND J	2.0	ND J	2.0	ND J	2.0	ND J	3.0	ND J	1.0	ND	1 0
1,1-Dichloroethane	7800000	ND J	2.0	ND J	2.0	ND J	2.0	ND J	2.0	ND J	3.0	ND J	1.0	ND	1 0
1,1-Dichloroethene	1100	ND J	2 0	ND J	2.0	ND J	2.0	ND J	2.0	ND J	3.0	ND J	1.0	ND	1.0
1,1-Dichloropropene		ND J	2.0	ND J	2.0	ND J	2.0	ND J	2.0	ND J	3.0	ND J	1.0	ND	1.0
1,2,3-Trichlorobenzene		ND J	2.0	ND R	2.0	ND R	2.0	ND J	2.0	ND J	3.0	ND J	1 0	ND	1.0
1,2,3-Trichloropropane	91	ND J	2.0	ND R	2.0	ND R	2.0	ND J	2.0	ND J	3.0	ND J	1.0	ND	1.0
1,2,4-Trichlorobenzene	780000	ND J	2.0	ND R	2.0	ND R	2.0	ND J	2.0	ND J	3.0	ND J	1.0	ND	1.0
1,2,4-Trimethylbenzene	3900000	ND J	2.0	ND R	2.0	ND R	2.0	ND J	2.0	ND J	3.0	ND J	1.0	ND	1.0
1,2-Dibromoethane	7.5	ND J	2.0	ND J	2 0	ND J	2.0	ND J	2.0	ND J	3.0	ND J	1.0	ND	1.0
1,2-Dichloroethane	7000	ND J	2.0	ND J	2.0	ND J	2.0	ND J	2.0	ND J	3.0	ND J	1.0	ND	1.0
1,2-Dichlorobenzene	7000000	2.0 UJ	2.0	ND R	2.0	ND R	2 0	1 J	2.0	ND J	3.0	ND J	1.0	1 U	1.0

Analytical Data for Surface Soil Samples
Saco Municipal Landfill
Saco, Municipal

Parameter	Residential Level(ug/Kg	SS016 (11/16/95)		SS017 (11/16/95)		SS018 (11/16/95)		SS018D (11/16/95)		SS019 (11/16/95)		SS020 (11/16/95)		SS021 (11/16/95)	
		Value	PQL	Value	PQL	Value	PQL	Value	PQL	Value	PQL	Value	PQL	Value	PQL
1,2-Dichloropropane	9400	ND J	2.0	ND J	2.0	ND J	2.0	ND J	2.0	ND J	3.0	ND J	1.0	ND	1.0
1,3,5-Trimethylbenzene	3900000	ND J	2.0	ND R	2.0	ND R	2.0	ND J	2.0	ND J	3.0	ND J	1.0	ND	1.0
1,3-Dichlorobenzene	7000000	ND J	2.0	ND R	2.0	ND R	2.0	2.0 UJ	2.0	ND J	3.0	ND J	1.0	1 U	1.0
1,3-Dichloropropane		ND J	2.0	ND J	2.0	ND J	2.0	ND J	2.0	ND J	3.0	ND J	1.0	ND	1.0
1,4-Dichlorobenzene	27000	ND J	2.0	ND R	2.0	ND R	2.0	2.0 UJ	2.0	3.0 UJ	3.0	1 J	1.0	1 U	1.0
2,2-Dichloropropane		ND J	2.0	ND J	2.0	ND J	2.0	ND J	2.0	ND J	3.0	ND J	1.0	ND	1.0
2-Chlorotoluene		ND J	2.0	ND R	2.0	ND R	2.0	ND J	2.0	ND J	3.0	ND J	1.0	1 U	1.0
2-Hexanone		ND J	6.0	ND J	6.0	ND J	8.0	ND J	8.0	ND J	10.0	ND J	6.0	ND	6.0
4-Chlorotoluene		ND J	2.0	ND R	2.0	ND R	2.0	ND J	2.0	ND J	3.0	ND J	1.0	1	1.0
4-Isopropyltoluene		ND J	2.0	ND R	2.0	ND R	2.0	ND J	2.0	ND J	3.0	ND J	1.0	ND	1.0
Acetone	7800000	ND J	8.0	ND J	8.0	ND J	11.0	ND J	10.0	ND J	13.0	ND J	7.0	ND	7.0
Bromochloromethane		ND J	2.0	ND J	2.0	ND J	2.0	ND J	2.0	ND J	3.0	ND J	1.0	ND	1.0
Bromodichloromethane	10000	ND J	2.0	ND J	2.0	ND J	2.0	ND J	2.0	ND J	3.0	ND J	1.0	ND	1.0
Benzene	22000	ND J	2.0	ND J	2.0	ND J	2.0	ND J	2.0	ND J	3.0	ND J	1.0	ND	1.0
Bromobenzene		ND J	2.0	ND R	2.0	ND R	2.0	ND J	2.0	ND J	3.0	ND J	1.0	ND	1.0
cis-1,2-Dichloroethene	780000	ND J	2.0	ND J	2.0	ND J	2.0	2 J	2.0	ND J	3.0	ND	1.0	ND	1.0
cis-1,3-Dichloropropene	3700	ND J	2.0	ND J	2.0	ND J	2.0	ND J	2.0	ND J	3.0	ND J	1.0	ND	1.0
Chloroethane	31000000	ND J	3.0	ND J	3.0	ND J	4.0	ND J	4.0	ND J	5.0	ND	3.0	ND	3.0
Bromoform	81000	ND J	2.0	ND J	2.0	ND J	2.0	ND J	2.0	ND J	3.0	ND J	1.0	ND	1.0
Chloroform	100000	2.0 UJ	2.0	2 U	2.0	2 UJ	2.0	2.0 UJ	2.0	3.0 UJ	3.0	1 UJ	1.0	1 U	1.0
Carbon tetrachloride	4900	ND J	2.0	ND J	2.0	ND J	2.0	ND J	2.0	ND J	3.0	ND J	1.0	ND	1.0
Bromomethane	110000	ND J	3.0	ND J	3.0	ND J	4.0	ND J	4.0	ND J	5.0	ND J	3.0	ND	3.0
Chloromethane	49000	ND J	3.0	ND J	3.0	ND J	4.0	ND J	4.0	ND J	5.0	ND J	3.0	ND	3.0
Chlorobenzene	1600000	ND J	2.0	ND J	2.0	ND J	2.0	ND J	2.0	ND J	3.0	ND J	1.0	1 U	1.0
Dibromochloromethane		ND J	2.0	ND J	2.0	ND J	2.0	ND J	2.0	ND J	3.0	ND J	1.0	ND	1.0
1,2-Dibromo-3-chloropropane	460	ND J	2.0	ND R	2.0	ND R	2.0	ND J	2.0	ND J	3.0	ND J	1.0	ND	1.0
Dibromomethane		ND J	2.0	ND J	2.0	ND J	2.0	ND J	2.0	ND J	3.0	ND J	1.0	ND	1.0
Dichlorodifluoromethane	16000000	ND J	3.0	ND J	3.0	ND J	4.0	ND J	4.0	ND J	5.0	ND J	3.0	ND	3.0
Ethylbenzene	7800000	ND J	2.0	ND J	2.0	ND J	2.0	ND J	2.0	ND J	3.0	ND J	1.0	ND	1.0
Hexachlorobutadiene	8200	ND J	2.0	ND R	2.0	ND R	2.0	ND J	2.0	ND J	3.0	ND J	1.0	1 U	1.0
Isopropylbenzene		ND J	2.0	ND R	2.0	ND R	2.0	ND J	2.0	ND J	3.0	ND J	1.0	ND	1.0
m-Xylene/p-Xylene	1.6E+08/NA	2.0 UJ	2.0	2.0 UJ	2.0	ND J	2.0	2.0 UJ	2.0	ND J	3.0	ND UJ	1.0	1 U	1.0
Methylene chloride	85000	120 UJ	2.0	76 UJ	2.0	21 UJ	2.0	120 UJ	2.0	13 UJ	3.0	36.0 U	1.0	8 UJ	1.0
2-Butanone		ND J	8.0	ND J	8.0	ND J	11.0	ND J	10.0	ND J	13.0	ND J	7.0	ND	7.0
4-Methyl-2-pentanone		ND J	5.0	ND J	5.0	ND J	6.0	ND J	6.0	ND J	8.0	ND J	4.0	ND	4.0
Naphthalene		ND J	2.0	ND R	2.0	ND R	2.0	ND J	2.0	ND J	3.0	ND J	1.0	ND	1.0
n-Butylbenzene		ND J	2.0	ND R	2.0	ND R	2.0	ND J	2.0	ND J	3.0	ND J	1.0	ND	1.0
n-Propylbenzene		ND J	2.0	ND R	2.0	ND R	2.0	ND J	2.0	ND J	3.0	ND J	1.0	ND	1.0
o-Xylene	160000000	ND J	2.0	ND J	2.0	ND J	2.0	ND J	2.0	ND J	3.0	ND J	1.0	ND	1.0
Tetrachloroethene	12000	ND J	2.0	ND J	2.0	ND J	2.0	2.0 UJ	2.0	ND J	3.0	ND J	1.0	ND	1.0
sec-Butylbenzene	780000	ND J	2.0	ND R	2.0	ND R	2.0	ND J	2.0	ND J	3.0	ND J	1.0	ND	1.0
Styrene	16000000	ND J	2.0	ND J	2.0	ND J	2.0	ND J	2.0	ND J	3.0	ND J	1.0	ND	1.0
trans-1,2-Dichloroethene	1600000	ND J	2.0	ND J	2.0	ND J	2.0	ND J	2.0	ND J	3.0	ND J	1.0	ND	1.0
trans-1,3-Dichloropropene		ND J	2.0	ND J	2.0	ND J	2.0	ND J	2.0	ND J	3.0	ND J	1.0	ND	1.0
tert-Butylbenzene	780000	ND J	2.0	ND R	2.0	ND R	2.0	ND J	2.0	ND J	3.0	ND J	1.0	ND	1.0
Trichloroethene	58000	ND J	2.0	ND J	2.0	ND J	2.0	ND J	2.0	ND J	3.0	ND J	1.0	ND	1.0
Trichlorofluoromethane	23000000	1 J	3.0	1 J	3.0	ND J	4.0	ND J	4.0	ND J	5.0	ND J	3.0	ND	3.0
Tetrahydrofuran		ND J	80.0	ND J	75.0	ND J	110.0	ND J	95.0	ND J	130.0	ND J	70.0	ND	70.0
Toluene	16000000	2.0 UJ	2.0	2.0 UJ	2.0	2.0 UJ	2.0	2.0 UJ	2.0	3.0 UJ	3.0	1 J	1.0	1 U	1.0
Vinyl chloride	340	ND J	3.0	ND J	3.0	ND J	4.0	ND J	4.0	ND J	5.0	ND J	3.0	ND	3.0
Dilution Factor		1.6		1.5		2.1		1.9		2.5		1.4		1.4	
Solids-Total Residue (TS) %		61.	0.1	66.	0.1	48.	0.1	54.	0.1	40.	0.1	74.	0.1	74.	0.1

Analytical Data for Surface Soil Samples
Saco Municipal Landfill
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Parameter (All units in ug/Kg)	Residential Level(ug/Kg	SS022 (11/16/95) Value	PQL	SS023 (11/16/95) Value	PQL	SS024 (11/16/95) Value	PQL	SS024D (11/16/95) Value	PQL	SS025 (11/16/95) Value	PQL	SS026 (11/16/95) Value	PQL	SS027 (11/16/95) Value	PQL
Pesticides/PCBs															
4,4'-DDD	2700	ND J	4.3	ND J	22.0	ND R	3.3	ND J	7.3	ND J	4.0	ND J	4.6	0.13 J	4.6
4,4'-DDE	1900	ND J	4.3	7.8 J	22.0	ND R	3.3	2.3 J	7.3	ND J	4.0	ND J	4.6	ND J	4.6
4,4'-DDT	1900	ND J	4.3	32. J	22.0	ND R	3.3	ND J	7.3	ND J	4.0	ND J	4.6	ND J	4.6
alpha-BHC	100	ND J	2.2	ND J	11.0	ND R	1.7	ND J	3.7	ND J	2.0	ND J	2.4	ND J	2.4
alpha-Chlordane		ND J	2.2	ND J	11.0	1.5 J	1.7	ND J	3.7	ND J	2.0	ND J	2.4	0.25 J	2.4
Aldrin	38	ND J	2.2	ND J	11.0	ND R	1.7	ND J	3.7	ND J	2.0	ND J	2.4	ND J	2.4
beta-BHC	350	ND J	2.2	ND J	11.0	ND R	1.7	ND J	3.7	ND J	2.0	ND J	2.4	ND J	2.4
Chlordane	490	ND J	22.0	ND J	110.0	ND R	17.0	ND J	37.0	ND J	20.0	ND J	24.0	ND J	24.0
delta-BHC		ND J	2.2	ND J	11.0	ND R	1.7	ND J	3.7	ND J	2.0	ND J	2.4	ND J	2.4
Dieldrin	40	ND J	4.3	ND J	22.0	ND R	3.3	ND J	7.3	ND J	4.0	ND J	4.6	0.16 J	4.6
Endrin aldehyde		ND J	4.3	ND J	22.0	ND R	3.3	ND J	7.3	ND J	4.0	ND J	4.6	ND J	4.6
Endosulfan I	470000	ND J	2.2	ND J	11.0	ND R	1.7	ND J	3.7	ND J	2.0	ND J	2.4	ND J	2.4
Endosulfan II	470000	ND J	4.3	ND J	22.0	ND R	3.3	ND J	7.3	ND J	4.0	ND J	4.6	ND J	4.6
Endrin	23000	ND J	4.3	ND J	22.0	0.85 J	3.3	ND J	7.3	ND J	4.0	ND J	4.6	ND J	4.6
Endrin ketone		ND J	4.3	ND J	22.0	ND R	3.3	ND J	7.3	ND J	4.0	ND J	4.6	ND J	4.6
Endosulfan sulfate		ND J	4.3	ND J	22.0	ND R	3.3	ND J	7.3	ND J	4.0	ND J	4.6	ND J	4.6
gamma-BHC (Lindane)	490	ND J	2.2	ND J	11.0	ND R	1.7	ND J	3.7	ND J	2.0	ND J	2.4	ND J	2.4
gamma-Chlordane		ND J	2.2	ND J	11.0	1.3 J	1.7	ND J	3.7	ND J	2.0	ND J	2.4	0.25 J	2.4
Heptachlor	140	ND J	2.2	ND J	11.0	0.84 J	1.7	ND J	3.7	ND J	2.0	ND J	2.4	ND J	2.4
Heptachlor epoxide	70	ND J	2.2	ND J	11.0	ND R	1.7	ND J	3.7	ND J	2.0	ND J	2.4	ND J	2.4
Methoxychlor	390000	ND J	22.0	ND J	110.0	ND R	17.0	ND J	37.0	ND J	20.0	ND J	24.0	ND J	24.0
PCB-1016	5500	ND J	22.0	ND J	110.0	ND R	17.0	ND J	37.0	ND J	20.0	ND J	24.0	ND J	24.0
PCB-1221	83	ND J	43.0	ND J	220.0	ND R	33.0	ND J	73.0	ND J	40.0	ND J	46.0	ND J	46.0
PCB-1232	83	ND J	22.0	ND J	110.0	ND R	17.0	ND J	37.0	ND J	20.0	ND J	24.0	ND J	24.0
PCB-1242	83	ND J	22.0	ND J	110.0	ND R	17.0	ND J	37.0	ND J	20.0	ND J	24.0	ND J	24.0
PCB-1248	83	ND J	22.0	ND J	110.0	ND R	17.0	ND J	37.0	ND J	20.0	ND J	24.0	ND J	24.0
PCB-1254	1600	ND J	22.0	ND J	110.0	ND R	17.0	ND J	37.0	ND J	20.0	ND J	24.0	ND J	24.0
PCB-1260	83	ND J	22.0	ND J	110.0	ND R	17.0	ND J	37.0	ND J	20.0	ND J	24.0	ND J	24.0
Toxaphene	580	ND J	43.0	ND J	220.0	ND R	33.0	ND J	73.0	ND J	40.0	ND J	46.0	ND J	46.0
Dilution Factor		1.3		6.7		4.0		2.2		1.2		1.4		1.4	
SVOCs															
1,2,4-Trichlorobenzene	780000	ND	430.0	ND	430.0	ND	660.0	ND	730.0	ND	430.0	ND	460.0	ND	460.0
1,2-Dichlorobenzene	7000000	ND	430.0	ND	430.0	ND	660.0	ND	730.0	ND U	430.0	ND	460.0	ND	460.0
1,3-Dichlorobenzene	7000000	ND	430.0	ND	430.0	ND	660.0	ND	730.0	ND	430.0	ND	460.0	ND	460.0
1,4-Dichlorobenzene	27000	ND	430.0	ND	430.0	ND	660.0	ND	730.0	ND	430.0	ND	460.0	ND	460.0
2,4,5-Trichlorophenol	7800000	ND	1100.0	ND	1100.0	ND	1600.0	ND	1800.0	ND	1100.0	ND	1100.0	ND	1100.0
2,4,6-Trichlorophenol	58000	ND	430.0	ND	430.0	ND	660.0	ND	730.0	ND	430.0	ND	460.0	ND	460.0
2,4-Dichlorophenol	230000	ND	430.0	ND	430.0	ND	660.0	ND	730.0	ND	430.0	ND	460.0	ND	460.0
2,4-Dimethylphenol	1600000	ND	430.0	ND	430.0	ND	660.0	ND	730.0	ND	430.0	ND	460.0	ND	460.0
2,4-Dinitrophenol	160000	ND	1100.0	ND	1100.0	ND	1600.0	ND	1800.0	ND	1100.0	ND	1100.0	ND	1100.0
2,4-Dinitrotoluene	160000	ND	430.0	ND	430.0	ND	660.0	ND	730.0	ND	430.0	ND	460.0	ND	460.0
2,6-Dinitrotoluene	78000	ND	430.0	ND	430.0	ND	660.0	ND	730.0	ND	430.0	ND	460.0	ND	460.0
2-Chloronaphthalene	6300000	ND	430.0	ND	430.0	ND	660.0	ND	730.0	ND	430.0	ND	460.0	ND	460.0
2-Chlorophenol	390000	ND	430.0	ND	430.0	ND	660.0	ND	730.0	ND	430.0	ND	460.0	ND	460.0
2-Methylnaphthalene		ND	430.0	2000.0 J	430.0	ND	660.0	ND	730.0	ND	430.0	ND	460.0	ND	460.0
2-Methylphenol	3900000	ND	430.0	ND	430.0	ND	660.0	ND	730.0	ND	430.0	ND	460.0	ND	460.0
2-Nitroaniline	4700	ND	1100.0	ND	1100.0	ND	1600.0	ND	1800.0	ND	1100.0	ND	1100.0	ND	1100.0
2-Nitrophenol		ND	430.0	ND	430.0	ND	660.0	ND	730.0	ND	430.0	ND	460.0	ND	460.0
3,3'-Dichlorobenzidine	1400	ND	430.0	ND	430.0	ND	660.0	ND	730.0	ND	430.0	ND	460.0	ND	460.0
3-Nitroaniline	230000	ND	1100.0	ND	1100.0	ND	1600.0	ND	1800.0	ND	1100.0	ND	1100.0	ND	1100.0
4,6-Dinitro-2-methylphenol	0	ND	1100.0	ND	1100.0	ND	1600.0	ND	1800.0	ND	1100.0	ND	1100.0	ND	1100.0
4-Bromophenyl phenyl ether	4500000	ND	430.0	ND	430.0	ND	660.0	ND	730.0	ND	430.0	ND	460.0	ND	460.0
4-Chloro-3-methylphenol		ND	430.0	ND	430.0	ND	660.0	ND	730.0	ND	430.0	ND	460.0	ND	460.0
4-Chloroaniline	310000	ND	430.0	ND	430.0	ND	660.0	ND	730.0	ND	430.0	ND	460.0	ND	460.0
4-Chlorophenyl phenyl ether		ND	430.0	ND	430.0	ND	660.0	ND	730.0	ND	430.0	ND	460.0	ND	460.0

Analytical Data for Surface Soil Samples
Saco Municipal Landfill
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Parameter	Residential Level(ug/Kg	SS022 (11/16/95) Value	PQL	SS023 (11/16/95) Value	PQL	SS024 (11/16/95) Value	PQL	SS024D (11/16/95) Value	PQL	SS025 (11/16/95) Value	PQL	SS026 (11/16/95) Value	PQL	SS027 (11/16/95) Value	PQL
4-Methylphenol	390000	ND	430.0	ND	430.0	ND	660.0	ND	730.0	ND	430.0	ND	460.0	ND	460.0
4-Nitroaniline	230000	ND	1100.0	ND	1100.0	ND	1600.0	ND	1800.0	ND	1100.0	ND	1100 0	ND	1100.0
4-Nitrophenol	4800000	ND	1100.0	ND	1100 0	ND	1600.0	ND	1800.0	ND	1100.0	ND	1100.0	ND	1100.0
Acenaphthene		ND	430.0	310 J	430.0	ND	660.0	ND	730.0	ND	430.0	ND	460.0	ND	460.0
Acenaphthylene		ND	430.0	ND	430.0	ND	660.0	ND	730.0	ND	430.0	ND	460.0	ND	460.0
Anthracene		360 J	430.0	390.0 J	430.0	ND	660.0	ND	730.0	ND	430.0	ND	460.0	ND	460.0
bis(2-Chloroethyl)ether	580	ND	430.0	ND	430.0	ND	660.0	ND	730.0	ND	430.0	ND	460.0	ND	460.0
bis(2-Chloroethoxy)methane		ND	430.0	ND	430.0	ND	660 0	ND	730.0	ND	430.0	ND	460.0	ND	460.0
bis(2-Chloroisopropyl) ether	9100	ND	430.0	ND	430.0	ND	660.0	ND	730.0	ND	430.0	ND	460.0	ND	460.0
bis(2-Ethylhexyl)phthalate	46000	ND	430.0	ND	430.0	ND	660.0	ND	730.0	ND	430.0	ND	460.0	ND	460.0
Butyl benzylphthalate	16000000	ND	430.0	ND	430.0	ND	660.0	ND	730.0	ND	430.0	ND	460.0	ND	460.0
Benzo(a)anthracene		2000. J	430.0	1000.0 J	430.0	ND	660.0	ND	730.0	ND	430.0	ND	460.0	ND	460.0
Benzo(a)pyrene		2400. J	430.0	720.0 J	430 0	ND	660.0	ND	730.0	ND	430 0	ND	460.0	45 J	460 0
Benzo(b)fluoranthene		2600. J	430.0	930.0 J	430.0	ND	660 0	110 J	730.0	ND	430.0	ND	460.0	79 J	460.0
Benzo(k)fluoranthene		1100. J	430.0	320.0 J	430.0	ND	660.0	ND	730.0	ND	430.0	ND	460.0	ND	460.0
Benzo(g,h,i)perylene		1300. J	430.0	470.0 J	430.0	ND	660.0	ND	730.0	ND	430.0	ND	460.0	ND	460.0
Carbazole		ND	430.0	ND	430 0	ND	660.0	ND	730.0	ND	430.0	ND	460.0	ND	460.0
Chrysene		2300. J	430.0	1100.0 J	430.0	ND	660 0	ND	730 0	ND	430.0	ND	460.0	ND	460.0
Dibenzofuran	310000	ND	430.0	300.0 J	430.0	ND	660.0	ND	730.0	ND	430.0	ND	460.0	ND	460.0
Di-n-butylphthalate		430.0 J	430.0	ND	430.0	ND	660.0	730.0 UJ	730.0	1500 UJ	430.0	810 UJ	460 0	1100 UJ	460.0
Dibenzo(a,h)anthracene		480. J	430.0	140.0 J	430 0	ND	660.0	ND	730.0	ND	430.0	ND	460.0	ND	460.0
Diethylphthalate	63000000	ND	430.0	ND	430.0	ND	660.0	ND	730.0	ND	430.0	ND	460.0	ND	460.0
Dimethylphthalate	780000000	ND	430.0	ND	430.0	ND	660.0	ND	730.0	ND	430.0	ND	460.0	ND	460.0
Di-n-octylphthalate	1600000	ND	430.0	ND	430.0	ND	660.0	ND	730.0	ND	430.0	ND	460.0	ND	460.0
Fluoranthene		2400. J	430.0	2200.0 J	430.0	ND	660.0	ND	730.0	ND	430.0	ND	460.0	98 J	460.0
Fluorene		ND	430.0	690.0 J	430.0	ND	660.0	ND	730.0	ND	430.0	ND	460.0	ND	460.0
Hexachloroethane	46000	ND	430.0	ND	430.0	ND	660.0	ND	730.0	ND	430.0	ND	460.0	ND	460.0
Hexachlorobutadiene	8200	ND	430 0	ND	430 0	ND	660.0	ND	730.0	ND	430.0	ND	460.0	ND	460.0
Hexachlorobenzene	400	ND	430.0	ND	430.0	ND	660.0	ND	730.0	ND	430.0	ND	460.0	ND	460.0
Hexachlorocyclopentadiene	550000	ND	430.0	ND	430.0	ND	660.0	ND	730.0	ND	430.0	ND	460.0	ND	460.0
Indeno(1,2,3-cd)pyrene		1200. J	430.0	470.0 J	430.0	130 J	660.0	ND	730.0	ND	430.0	ND	460.0	ND	460.0
Isophorone	670000	ND	430.0	ND	430.0	ND	660.0	ND	730.0	ND	430.0	ND	460.0	ND	460.0
Naphthalene		ND	430.0	590.0 J	430.0	ND	660.0	ND	730 0	ND	430.0	ND	460.0	ND	460.0
Nitrobenzene	39000	ND	430.0	ND	430.0	ND	660.0	ND	730.0	ND	430.0	ND	460.0	ND	460.0
n-Nitrosodiphenylamine	130000	ND	430.0	720. J	430.0	ND	660.0	ND	730.0	ND	430.0	ND	460.0	ND	460.0
n-Nitroso-dipropylamine		ND	430.0	ND	430.0	ND	660.0	ND	730.0	ND	430.0	ND	460.0	ND	460.0
Pentachlorophenol	5300	ND	1100.0	ND	1100.0	ND	1600.0	ND	1800.0	ND	1100.0	ND	1100.0	ND	1100.0
Phenanthrene		1200. J	430.0	1600.0 J	430.0	ND	660.0	ND	730.0	ND	430 0	ND	460.0	ND	460.0
Phenol	47000000	ND	430.0	ND	430.0	ND	660.0	ND	730.0	ND	430.0	ND	460.0	ND	460.0
Pyrene		2800. J	430.0	1300.0 J	430.0	ND	660.0	ND	730.0	ND	430.0	ND	460.0	ND	460.0
Dilution Factor		1.3		1.3		2.0		2.2		1.3		1.4		1.4	
VOCs															
1,1,1,2-tetrachloroethane	25000	ND	1.0	ND J	1.0	ND J	2.0	ND R	2.0	ND	1.0	ND	1.0	ND J	2.0
1,1,1-Trichloroethane	7000000	ND	1.0	ND J	1.0	ND J	2.0	ND J	2.0	ND	1.0	ND	1.0	ND J	2.0
1,1,2,2-Tetrachloroethane	3200	ND	1.0	ND J	1.0	ND R	2.0	ND J	2.0	ND	1.0	ND J	1.0	ND J	2.0
1,1,2-Trichloroethane	11000	ND	1.0	ND J	1.0	ND J	2.0	ND J	2.0	ND	1.0	ND	1.0	ND J	2.0
1,1-Dichloroethane	7800000	ND	1.0	ND J	1.0	ND J	2.0	ND J	2.0	ND	1.0	ND	1.0	ND J	2 0
1,1-Dichloroethene	1100	ND	1.0	ND J	1.0	ND J	2.0	ND J	2.0	ND	1.0	ND	1.0	ND J	2.0
1,1-Dichloropropene		ND	1.0	ND J	1.0	ND J	2.0	ND J	2.0	ND	1.0	ND	1.0	ND J	2.0
1,2,3-Trichlorobenzene		ND	1.0	ND J	1.0	ND R	2 0	ND R	2.0	ND	1.0	ND J	1.0	ND J	2.0
1,2,3-Trichloropropane	91	ND	1.0	ND J	1.0	ND R	2.0	ND R	2.0	ND	1.0	ND	1.0	ND J	2 0
1,2,4-Trichlorobenzene	780000	ND	1.0	ND J	1.0	ND R	2.0	ND R	2.0	ND	1.0	ND J	1.0	ND J	2.0
1,2,4-Trimethylbenzene	3900000	ND	1.0	ND J	1.0	ND R	2.0	ND R	2.0	ND	1 0	ND J	1.0	ND J	2.0
1,2-Dibromoethane	7.5	ND	1.0	ND J	1.0	ND J	2.0	ND J	2.0	ND	1.0	ND	1.0	ND J	2.0
1,2-Dichloroethane	7000	ND	1.0	ND J	1.0	ND J	2.0	ND J	2.0	ND	1.0	ND	1.0	ND J	2.0
1,2-Dichlorobenzene	7000000	1.0 U	1.0	1 UJ	1.0	ND R	2.0	ND R	2.0	1	1.0	ND J	1.0	ND J	2 0

Analytical Data for Surface Soil Samples
Saco Municipal Landfill
Saco, Municipal

Parameter	Residential Level(ug/Kg	SS022 (11/16/95)		SS023 (11/16/95)		SS024 (11/16/95)		SS024D (11/16/95)		SS025 (11/16/95)		SS026 (11/16/95)		SS027 (11/16/95)	
		Value	PQL	Value	PQL	Value	PQL	Value	PQL	Value	PQL	Value	PQL	Value	PQL
1,2-Dichloropropane	9400	ND	1.0	ND J	1.0	ND J	2.0	ND J	2.0	ND	1.0	ND	1.0	ND J	2.0
1,3,5-Trimethylbenzene	3900000	ND	1.0	ND J	1.0	ND R	2.0	ND R	2.0	1 U	1.0	ND J	1.0	ND J	2.0
1,3-Dichlorobenzene	7000000	ND	1.0	ND J	1 0	ND R	2.0	ND R	2.0	1 U	1.0	ND J	1.0	ND J	2.0
1,3-Dichloropropane		ND	1 0	ND J	1.0	ND J	2.0	ND J	2.0	ND	1.0	ND	1.0	ND J	2.0
1,4-Dichlorobenzene	27000	1.0 U	1.0	1 UJ	1.0	2 0 U	2.0	ND R	2.0	1 U	1.0	ND J	1.0	2.0 UJ	2.0
2,2-Dichloropropane		ND	1.0	ND J	1.0	ND J	2.0	ND J	2.0	ND	1.0	ND	1.0	ND J	2.0
2-Chlorotoluene		ND	1.0	ND J	1.0	ND R	2.0	ND R	2.0	1 U	1.0	ND J	1.0	ND J	2.0
2-Hexanone		ND	5.0	ND J	5.0	ND J	8 0	ND J	9.0	ND	5.0	ND	6.0	ND J	6 0
4-Chlorotoluene		ND	1.0	ND J	1.0	ND R	2.0	ND R	2.0	1 J	1.0	ND J	1 0	ND J	2.0
4-Isopropyltoluene		ND	1.0	ND J	1.0	ND R	2.0	ND R	2 0	ND	1.0	ND J	1.0	ND J	2.0
Acetone	7800000	3.0 UJ	7.0	ND J	7.0	ND J	10.0	ND J	11 0	3 UJ	7.0	ND	7.0	ND J	8.0
Bromochloromethane		ND	1.0	ND J	1.0	ND J	2.0	ND J	2.0	ND	1.0	ND	1.0	ND J	2.0
Bromodichloromethane	10000	ND	1.0	ND J	1.0	ND J	2.0	ND J	2.0	ND	1.0	ND	1.0	ND J	2.0
Benzene	22000	ND	1.0	1 UJ	1.0	1 J	2.0	2.0 UJ	2.0	1 U	1.0	ND	1.0	ND J	2.0
Bromobenzene		ND	1.0	ND J	1.0	ND R	2.0	ND R	2.0	1 U	1.0	ND J	1.0	ND J	2 0
cis-1,2-Dichloroethene	780000	ND	1.0	ND J	1.0	ND J	2.0	ND J	2.0	ND	1.0	ND	1.0	ND J	2 0
cis-1,3-Dichloropropene	3700	ND	1.0	ND J	1.0	ND J	2.0	ND J	2.0	ND	1.0	ND	1.0	ND J	2.0
Chloroethane	31000000	ND	3.0	ND J	3.0	ND J	4 0	ND J	4.0	ND	3.0	ND	3 0	ND J	3.0
Bromoform	81000	ND	1.0	ND J	1.0	ND J	2.0	ND J	2.0	ND	1.0	ND	1.0	ND J	2.0
Chloroform	100000	1 U	1.0	1 UJ	1.0	2.0 UJ	2.0	2.0 UJ	2.0	1 U	1.0	1 J	1.0	2.0 UJ	2.0
Carbon tetrachloride	4900	ND	1.0	ND J	1.0	ND J	2.0	ND J	2.0	ND	1.0	ND	1.0	ND J	2.0
Bromomethane	110000	ND	3.0	ND J	3.0	ND J	4.0	ND J	4.0	ND	3.0	ND	3.0	ND J	3.0
Chloromethane	49000	ND	3.0	ND J	3 0	ND J	4.0	ND J	4.0	ND	3.0	ND	3.0	ND J	3.0
Chlorobenzene	1600000	1.0 U	1.0	ND J	1 0	ND J	2.0	ND J	2.0	1 U	1.0	ND	1.0	ND J	2.0
Dibromochloromethane		ND	1.0	ND J	1.0	ND J	2.0	ND J	2.0	ND	1.0	ND	1.0	ND J	2.0
1,2-Dibromo-3-chloropropane	460	ND	1.0	ND J	1.0	ND R	2.0	ND R	2.0	ND	1.0	ND J	1.0	ND J	2.0
Dibromomethane		ND	1.0	ND J	1.0	ND J	2.0	ND J	2.0	ND	1.0	ND	1.0	ND J	2.0
Dichlorodifluoromethane	16000000	ND	3.0	ND J	3.0	ND J	4.0	ND J	4.0	ND	3.0	ND	3.0	ND J	3 0
Ethylbenzene	7800000	ND	1.0	ND J	1.0	1 J	2.0	ND J	2.0	1 U	1.0	ND	1.0	ND J	2.0
Hexachlorobutadiene	8200	ND	1.0	ND J	1.0	ND R	2.0	ND R	2.0	1 U	1.0	1.0 J	1.0	ND J	2.0
Isopropylbenzene		ND	1.0	ND J	1.0	ND R	2.0	ND R	2.0	1 U	1.0	ND J	1.0	ND J	2.0
m-Xylene/p-Xylene	1.6E+08/NA	ND U	1 0	1 UJ	1.0	1 J	2.0	ND J	2.0	1 U	1.0	1.0 J	1.0	2 0 UJ	2.0
Methylene chloride	85000	7.0 UJ	1.0	9 UJ	1.0	12.0 UJ	2.0	18 UJ	2.0	7 UJ	1.0	7.0 U	1.0	57 UJ	2 0
2-Butanone		ND	7.0	ND J	7.0	ND J	10.0	ND J	11.0	ND	7.0	ND	7.0	ND J	8.0
4-Methyl-2-pentanone		ND	4.0	ND J	4.0	ND J	6.0	ND J	7.0	ND	4.0	ND	4 0	ND J	5 0
Naphthalene		ND	1.0	ND J	1.0	ND R	2.0	ND R	2.0	ND	1.0	ND J	1.0	ND J	2.0
n-Butylbenzene		ND	1.0	ND J	1.0	ND R	2.0	ND R	2.0	ND	1.0	ND J	1.0	ND J	2.0
n-Propylbenzene		ND	1 0	ND J	1.0	ND R	2.0	ND R	2.0	1 U	1.0	ND J	1.0	ND J	2.0
o-Xylene	160000000	ND	1.0	ND J	1.0	1 J	2.0	ND J	2.0	ND	1.0	ND J	1.0	ND J	2.0
Tetrachloroethene	12000	ND	1.0	ND J	1.0	ND J	2.0	ND J	2.0	1 U	1.0	ND	1.0	ND J	2.0
sec-Butylbenzene	780000	ND	1.0	ND J	1.0	ND R	2 0	ND R	2.0	1 U	1.0	ND J	1.0	ND J	2.0
Styrene	16000000	ND	1.0	ND J	1.0	1 J	2.0	ND J	2.0	1 U	1.0	ND	1.0	ND J	2.0
trans-1,2-Dichloroethene	1600000	ND	1.0	ND J	1.0	ND J	2.0	ND J	2.0	ND	1.0	ND	1.0	ND J	2.0
trans-1,3-Dichloropropene		ND	1.0	ND J	1.0	ND J	2.0	ND J	2.0	ND	1.0	ND	1.0	ND J	2.0
tert-Butylbenzene	780000	ND	1.0	ND J	1.0	ND R	2.0	ND R	2.0	ND	1.0	ND J	1.0	ND J	2.0
Trichloroethene	58000	ND	1.0	ND J	1.0	ND J	2.0	ND J	2.0	ND	1.0	ND	1.0	ND J	2.0
Trichlorofluoromethane	23000000	ND	3.0	ND J	3.0	1.0 J	4 0	2. J	4.0	ND	3.0	ND	3.0	1 J	3.0
Tetrahydrofuran		ND	65.0	ND J	65.0	ND J	100.0	ND J	110.0	ND	65.0	ND	70.0	ND J	75.0
Toluene	16000000	1.0 U	1 0	1 UJ	1 0	1 J	2.0	2.0 UJ	2.0	1 U	1 0	1.0 U	1.0	2.0 UJ	2.0
Vinyl chloride	340	ND	3.0	ND J	3 0	ND J	4.0	ND J	4.0	ND	3.0	ND	3.0	ND J	3.0
Dilution Factor		1.3		1.3		2.0		2.2		1.3		1.4		1.5	
Solids-Total Residue (TS) %		78.	0.1	75.	0.1	50.	0.1	45.	0.1	80.	0.1	74.	0.1	69.	0.1

Analytical Data for Surface Soil Samples
Saco Municipal Landfill
Saco, Municipal

Parameter (All units in ug/Kg)	Residential Level(ug/Kg	SS028 (11/16/95) Value	PQL	SS029 (11/16/95) Value	PQL	SS030 (11/16/95) Value	PQL	SS030D (11/16/95) Value	PQL	SS031 (11/16/95) Value	PQL	SS032 (11/16/95) Value	PQL	SS033 (11/16/95) Value	PQL
Pesticides/PCBs															
4,4'-DDD	2700	2.5 J	4.3	4.7 J	4.3	ND J	4.3	ND J	3.6	ND J	5.6	ND J	4.6	ND J	4.3
4,4'-DDE	1900	1.0 J	4.3	ND J	4.3	ND J	4.3	ND J	3.6	ND J	5.6	ND J	4.6	ND J	4.3
4,4'-DDT	1900	5.8 J	4.3	8.0 J	4.3	ND J	4.3	ND J	3.6	ND J	5.6	ND J	4.6	ND J	4.3
alpha-BHC	100	ND J	2.2	ND J	2.2	ND J	2.2	ND J	1.9	ND J	2.9	ND J	2.4	ND J	2.2
alpha-Chlordane		0.52 J	2.2	ND J	2.2	ND J	2.2	ND J	1.9	ND J	2.9	ND J	2.4	ND J	2.2
Aldrin	38	ND J	2.2	ND J	2.2	ND J	2.2	ND J	1.9	ND J	2.9	ND J	2.4	ND J	2.2
beta-BHC	350	ND J	2.2	ND J	2.2	ND J	2.2	ND J	1.9	ND J	2.9	ND J	2.4	ND J	2.2
Chlordane	490	ND J	22.0	ND J	22.0	ND J	22.0	ND J	19.0	ND J	29.0	ND J	24.0	ND J	22.0
delta-BHC		ND J	2.2	ND J	2.2	ND J	2.2	ND J	1.9	ND J	2.9	ND J	2.4	ND J	2.2
Dieldrin	40	ND J	4.3	ND J	4.3	ND J	4.3	ND J	3.6	ND J	5.6	ND J	4.6	ND J	4.3
Endrin aldehyde		ND J	4.3	ND J	4.3	ND J	4.3	ND J	3.6	ND J	5.6	ND J	4.6	ND J	4.3
Endosulfan I	470000	ND J	2.2	ND J	2.2	ND J	2.2	ND J	1.9	ND J	2.9	ND J	2.4	ND J	2.2
Endosulfan II	470000	ND J	4.3	ND J	4.3	ND J	4.3	ND J	3.6	ND J	5.6	ND J	4.6	ND J	4.3
Endrin	*23000*	*ND J*	4.3	*ND J*	4.3	*ND J*	4.3	*ND J*	3.6	*ND J*	5.6	*ND J*	4.6	*ND J*	4.3
Endrin ketone		ND J	4.3	ND J	4.3	ND J	4.3	ND J	3.6	ND J	5.6	ND J	4.6	ND J	4.3
Endosulfan sulfate		ND J	4.3	ND J	4.3	ND J	4.3	ND J	3.6	ND J	5.6	ND J	4.6	ND J	4.3
gamma-BHC (Lindane)	490	ND J	2.2	ND J	2.2	ND J	2.2	ND J	1.9	ND J	2.9	ND J	2.4	ND J	2.2
gamma-Chlordane		0.47 J	2.2	ND J	2.2	ND J	2.2	ND J	1.9	ND J	2.9	ND J	2.4	ND J	2.2
Heptachlor	140	ND J	2.2	ND J	2.2	ND J	2.2	ND J	1.9	ND J	2.9	ND J	2.4	ND J	2.2
Heptachlor epoxide	70	ND J	2.2	ND J	2.2	ND J	2.2	ND J	1.9	ND J	2.9	ND J	2.4	ND J	2.2
Methoxychlor	390000	ND J	22.0	ND J	22.0	ND J	22.0	ND J	19.0	ND J	29.0	ND J	24.0	ND J	22.0
PCB-1016	5500	ND J	22.0	ND J	22.0	ND J	22.0	ND J	19.0	ND J	29.0	ND J	24.0	ND J	22.0
PCB-1221	83	ND J	43.0	ND J	43.0	ND J	43.0	ND J	36.0	ND J	56.0	ND J	46.0	ND J	43.0
PCB-1232	83	ND J	22.0	ND J	22.0	ND J	22.0	ND J	19.0	ND J	29.0	ND J	24.0	ND J	22.0
PCB-1242	83	ND J	22.0	ND J	22.0	ND J	22.0	ND J	19.0	ND J	29.0	ND J	24.0	ND J	22.0
PCB-1248	83	ND J	22.0	ND J	22.0	ND J	22.0	ND J	19.0	ND J	29.0	ND J	24.0	ND J	22.0
PCB-1254	1600	ND J	22.0	ND J	22.0	ND J	22.0	ND J	19.0	ND J	29.0	ND J	24.0	ND J	22.0
PCB-1260	83	ND J	22.0	ND J	22.0	ND J	22.0	ND J	19.0	ND J	29.0	ND J	24.0	ND J	22.0
Toxaphene	580	ND J	43.0	ND J	43.0	ND J	43.0	ND J	36.0	ND J	56.0	ND J	46.0	ND J	43.0
Dilution Factor		1.3		1.3		1.3		1.1		1.7		1.4		1.3	
SVOCs															
1,2,4-Trichlorobenzene	780000	ND	430.0	ND	430.0	ND	430.0	ND	360.0						
1,2-Dichlorobenzene	7000000	ND	430.0	ND	430.0	ND	430.0	ND	360.0						
1,3-Dichlorobenzene	7000000	ND	430.0	ND	430.0	ND	430.0	ND	360.0						
1,4-Dichlorobenzene	27000	ND	430.0	ND	430.0	ND	430.0	ND	360.0						
2,4,5-Trichlorophenol	7800000	ND	1100.0	ND	1100.0	ND	1100.0	ND	900.0	[These Samples were not analyzed for SVOCs]					
2,4,6-Trichlorophenol	58000	ND	430.0	ND	430.0	ND	430.0	ND	360.0						
2,4-Dichlorophenol	230000	ND	430.0	ND	430.0	ND	430.0	ND	360.0						
2,4-Dimethylphenol	1600000	ND	430.0	ND	430.0	ND	430.0	ND	360.0						
2,4-Dinitrophenol	160000	ND	1100.0	ND	1100.0	ND	1100.0	ND	900.0						
2,4-Dinitrotoluene	160000	ND	430.0	ND	430.0	ND	430.0	ND	360.0						
2,6-Dinitrotoluene	78000	ND	430.0	ND	430.0	ND	430.0	ND	360.0						
2-Chloronaphthalene	6300000	ND	430.0	ND	430.0	ND	430.0	ND	360.0						
2-Chlorophenol	390000	ND	430.0	ND	430.0	ND	430.0	ND	360.0						
2-Methylnaphthalene		ND	430.0	26 J	430.0	ND	430.0	ND	360.0						
2-Methylphenol	3900000	ND	430.0	ND	430.0	ND	430.0	ND	360.0						
2-Nitroaniline	4700	ND	1100.0	ND	1100.0	ND	1100.0	ND	900.0						
2-Nitrophenol		ND	430.0	ND	430.0	ND	430.0	ND	360.0						
3,3'-Dichlorobenzidine	1400	ND	430.0	ND	430.0	ND	430.0	ND	360.0						
3-Nitroaniline	230000	ND	1100.0	ND	1100.0	ND	1100.0	ND	900.0						
4,6-Dinitro-2-methylphenol	0	ND	1100.0	ND	1100.0	ND	1100.0	ND	900.0						
4-Bromophenyl phenyl ether	4500000	ND	430.0	ND	430.0	ND	430.0	ND	360.0						
4-Chloro-3-methylphenol		ND	430.0	ND	430.0	ND	430.0	ND	360.0						
4-Chloroaniline	310000	ND	430.0	ND	430.0	ND	430.0	ND	360.0						
4-Chlorophenyl phenyl ether		ND	430.0	ND	430.0	ND	430.0	ND	360.0						

Analytical Data for Surface Soil Samples
Saco Municipal Landfill
Saco, Municipal

Parameter	Residential Level(ug/Kg	SS028 (11/16/95) Value	PQL	SS029 (11/16/95) Value	PQL	SS030 (11/16/95) Value	PQL	SS030D (11/16/95) Value	PQL	SS031 (11/16/95) Value	PQL	SS032 (11/16/95) Value	PQL	SS033 (11/16/95) Value	PQL
4-Methylphenol	390000	ND	430.0	ND	430.0	ND	430.0	ND	360.0						
4-Nitroaniline	230000	ND	1100.0	ND	1100.0	ND	1100.0	ND	900.0						
4-Nitrophenol	4800000	ND	1100.0	ND	1100.0	ND	1100.0	ND	900.0	[These Samples were not analyzed for SVOCs]					
Acenaphthene		ND	430.0	66 J	430.0	ND	430.0	ND	360.0						
Acenaphthylene		ND	430.0	26 J	430.0	ND	430.0	ND	360.0						
Anthracene		ND	430.0	190 J	430.0	ND	430.0	ND	360.0						
bis(2-Chloroethyl)ether	580	ND	430.0	ND J	430.0	ND	430.0	ND	360.0						
bis(2-Chloroethoxy)methane		ND	430.0	ND	430.0	ND	430.0	ND	360.0						
bis(2-Chloroisopropyl) ether	9100	ND	430.0	ND	430.0	ND	430.0	ND	360.0						
bis(2-Ethylhexyl)phthalate	46000	93.0 J	430.0	84	430.0	ND	430.0	ND	360.0						
Butyl benzylphthalate	16000000	ND	430.0	ND	430.0	ND	430.0	ND	360.0						
Benzo(a)anthracene		ND	430.0	740	430.0	ND	430.0	ND	360.0						
Benzo(a)pyrene		57.0 J	430.0	600	430.0	ND	430.0	ND	360.0						
Benzo(b)fluoranthene		82.0 J	430.0	870.	430.0	ND	430.0	ND	360.0						
Benzo(k)fluoranthene		32.0 J	430.0	270 J	430.0	ND	430.0	ND	360.0						
Benzo(g,h,i)perylene		40.0 J	430.0	440.	430.0	ND	430.0	ND	360.0						
Carbazole		ND	430.0	73 J	430.0	ND	430.0	ND	360.0						
Chrysene		61.0 J	430.0	760.	430.0	ND	430.0	ND	360.0						
Dibenzofuran	310000	ND	430.0	44 J	430.0	ND	430.0	ND	360.0						
Di-n-butylphthalate		500.0 UJ	430.0	430.0	430.0	ND	430.0	ND	360.0						
Dibenzo(a,h)anthracene		ND	430.0	110 J	430.0	ND	430.0	ND	360.0						
Diethylphthalate	63000000	ND	430.0	ND	430.0	ND	430.0	ND	360.0						
Dimethylphthalate	780000000	ND	430.0	ND	430.0	ND	430.0	ND	360.0						
Di-n-octylphthalate	1600000	ND	430.0	ND	430.0	ND	430.0	ND	360.0						
Fluoranthene		ND	430.0	1400.	430.0	ND	430.0	ND	360.0						
Fluorene		120.0 J	430.0	84 J	430.0	ND	430.0	ND	360.0						
Hexachloroethane	46000	ND	430.0	ND	430.0	ND	430.0	ND	360.0						
Hexachlorobutadiene	8200	ND	430.0	ND	430.0	ND	430.0	ND	360.0						
Hexachlorobenzene	400	ND	430.0	ND	430.0	ND	430.0	ND	360.0						
Hexachlorocyclopentadiene	550000	ND	430.0	ND	430.0	ND	430.0	ND	360.0						
Indeno(1,2,3-cd)pyrene		33.0 J	430.0	530.	430.0	ND	430.0	ND	360.0						
Isophorone	670000	ND	430.0	ND	430.0	ND	430.0	ND	360.0						
Naphthalene		ND	430.0	49. J	430.0	ND	430.0	ND	360.0						
Nitrobenzene	39000	ND	430.0	ND	430.0	ND	430.0	ND	360.0						
n-Nitrosodiphenylamine	130000	ND	430.0	ND	430.0	ND	430.0	ND	360.0						
n-Nitroso-dipropylamine		ND	430.0	ND	430.0	ND	430.0	ND	360.0						
Pentachlorophenol	5300	ND	1100.0	ND	1100.0	ND	1100.0	ND	900.0						
Phenanthrene		68.0 J	430.0	820.	430.0	ND	430.0	ND	360.0						
Phenol	47000000	ND	430.0	ND	430.0	ND	430.0	ND	360.0						
Pyrene		73.0 J	430.0	1100.	430.0	ND	430.0	ND	360.0						
Dilution Factor		1.3		1.3		1.3		1.1							
VOCs															
1,1,1,2-tetrachloroethane	25000	ND J	1.0	ND J	1.0	ND J	1.0	ND J	1.0						
1,1,1-Trichloroethane	7000000	ND J	1.0	1 J	1.0	ND J	1.0	ND J	1.0						
1,1,2,2-Tetrachloroethane	3200	ND J	1.0	ND J	1.0	ND J	1.0	ND J	1.0						
1,1,2-Trichloroethane	11000	ND J	1.0	ND J	1.0	ND J	1.0	ND J	1.0	[These Samples were not analyzed for VOCs]					
1,1-Dichloroethane	7800000	ND J	1.0	ND J	1.0	ND J	1.0	ND J	1.0						
1,1-Dichloroethene	1100	ND J	1.0	ND J	1.0	ND J	1.0	ND J	1.0						
1,1-Dichloropropene		ND J	1.0	ND J	1.0	ND J	1.0	ND J	1.0						
1,2,3-Trichlorobenzene		ND J	1.0	ND J	1.0	ND J	1.0	ND J	1.0						
1,2,3-Trichloropropane	91	ND J	1.0	ND J	1.0	ND J	1.0	ND J	1.0						
1,2,4-Trichlorobenzene	780000	ND J	1.0	ND J	1.0	ND J	1.0	ND J	1.0						
1,2,4-Trimethylbenzene	3900000	ND J	1.0	ND J	1.0	ND J	1.0	ND J	1.0						
1,2-Dibromoethane	7.5	ND J	1.0	ND J	1.0	ND J	1.0	ND J	1.0						
1,2-Dichloroethane	7000	ND J	1.0	ND J	1.0	ND J	1.0	ND J	1.0						
1,2-Dichlorobenzene	7000000	ND J	1.0	ND J	1.0	ND J	1.0	ND J	1.0						

Analytical Data for Surface Soil Samples
Saco Municipal Landfill
Saco, Municipal

Parameter	Residential Level(ug/Kg	SS028 (11/16/95) Value	PQL	SS029 (11/16/95) Value	PQL	SS030 (11/16/95) Value	PQL	SS030D (11/16/95) Value	PQL	SS031 (11/16/95) Value	PQL	SS032 (11/16/95) Value	PQL	SS033 (11/16/95) Value	PQL
1,2-Dichloropropane	9400	ND J	1.0	ND J	1.0	ND J	1.0	ND J	1.0						
1,3,5-Trimethylbenzene	3900000	ND J	1.0	ND J	1.0	ND J	1.0	ND J	1.0						
1,3-Dichlorobenzene	7000000	ND J	1.0	ND J	1.0	ND J	1.0	ND J	1.0						
1,3-Dichloropropane		ND J	1.0	ND J	1.0	ND J	1.0	ND J	1.0						
1,4-Dichlorobenzene	27000	1 UJ	1.0	1 UJ	1.0	ND J	1.0	1 J	1.0						
2,2-Dichloropropane		ND J	1.0	ND J	1.0	ND J	1.0	ND J	1.0						
2-Chlorotoluene		ND J	1.0	ND J	1.0	ND J	1.0	ND J	1.0						
2-Hexanone		ND J	5.0	ND J	5.0	ND J	5.0	ND J	6.0						
4-Chlorotoluene		ND J	1.0	ND J	1.0	ND J	1.0	ND J	1.0						
4-Isopropyltoluene		ND J	1.0	ND J	1.0	ND J	1.0	ND J	1.0						
Acetone	7800000	ND J	7.0	6.0 UJ	6.0	7.0 UJ	7.0	4 J	7.0						
Bromochloromethane		ND J	1.0	ND J	1.0	ND J	1.0	ND J	1.0						
Bromodichloromethane	10000	ND J	1.0	ND J	1.0	ND J	1.0	ND J	1.0						
Benzene	22000	ND J	1.0	ND J	1.0	ND J	1.0	ND J	1.0						
Bromobenzene		ND J	1.0	ND J	1.0	ND J	1.0	ND J	1.0						
cis-1,2-Dichloroethene	780000	ND J	1.0	ND J	1.0	ND J	1.0	ND J	1.0						
cis-1,3-Dichloropropene	3700	ND J	1.0	ND J	1.0	ND J	1.0	ND J	1.0						
Chloroethane	31000000	ND J	3.0	ND J	2.0	ND J	3.0	ND J	3.0	[These Samples were not analyzed for VOCs]					
Bromoform	81000	ND J	1.0	ND J	1.0	ND J	1.0	ND J	1.0						
Chloroform	100000	1 UJ	1.0	1 UJ	1.0	1 UJ	1.0	1 UJ	1.0						
Carbon tetrachloride	4900	ND J	1.0	ND J	1.0	ND J	1.0	ND J	1.0						
Bromomethane	110000	ND J	3.0	ND J	2.0	ND J	3.0	ND J	3.0						
Chloromethane	49000	ND J	3.0	ND J	2.0	ND J	3.0	ND J	3.0						
Chlorobenzene	1600000	ND J	1.0	ND J	1.0	ND J	1.0	ND J	1.0						
Dibromochloromethane		ND J	1.0	ND J	1.0	ND J	1.0	ND J	1.0						
1,2-Dibromo-3-chloropropane	460	ND J	1.0	ND J	1.0	ND J	1.0	ND J	1.0						
Dibromomethane		ND J	1.0	ND J	1.0	ND J	1.0	ND J	1.0						
Dichlorodifluoromethane	16000000	ND J	3.0	ND J	2.0	ND J	3.0	ND J	3.0						
Ethylbenzene	7800000	ND J	1.0	ND J	1.0	ND J	1.0	ND J	1.0						
Hexachlorobutadiene	8200	ND J	1.0	ND J	1.0	ND J	1.0	ND J	1.0						
Isopropylbenzene		ND J	1.0	ND J	1.0	ND J	1.0	ND J	1.0						
m-Xylene/p-Xylene	1 6E+08/NA	1 UJ	1.0	ND J	1.0	ND J	1.0	1 J	1.0						
Methylene chloride	85000	19 UJ	1.0	12 UJ	1.0	13 UJ	1.0	5 UJ	1.0						
2-Butanone		ND J	7.0	ND J	6.0	ND J	7.0	ND J	7.0						
4-Methyl-2-pentanone		ND J	4.0	ND J	4.0	ND J	4.0	ND J	4.0						
Naphthalene		ND J	1.0	ND J	1.0	ND J	1.0	ND J	1.0						
n-Butylbenzene		ND J	1.0	ND J	1.0	ND J	1.0	ND J	1.0						
n-Propylbenzene		ND J	1.0	ND J	1.0	ND J	1.0	ND J	1.0						
o-Xylene	160000000	ND J	1.0	ND J	1.0	ND J	1.0	ND J	1.0						
Tetrachloroethene	12000	ND J	1.0	ND J	1.0	ND J	1.0	ND J	1.0						
sec-Butylbenzene	780000	ND J	1.0	ND J	1.0	ND J	1.0	ND J	1.0						
Styrene	16000000	ND J	1.0	ND J	1.0	ND J	1.0	ND J	1.0						
trans-1,2-Dichloroethene	1600000	ND J	1.0	ND J	1.0	ND J	1.0	ND J	1.0						
trans-1,3-Dichloropropene		ND J	1.0	ND J	1.0	ND J	1.0	ND J	1.0						
tert-Butylbenzene	780000	ND J	1.0	ND J	1.0	ND J	1.0	ND J	1.0						
Trichloroethene	58000	ND J	1.0	ND J	1.0	ND J	1.0	ND J	1.0						
Trichlorofluoromethane	23000000	ND J	3.0	ND J	2.0	ND J	3.0	ND J	3.0						
Tetrahydrofuran		ND J	65.0	ND J	60.0	ND J	65.0	ND J	70.0						
Toluene	16000000	ND J	1.0	1 UJ	1.0	ND J	1.0	ND J	1.0						
Vinyl chloride	340	ND J	3.0	ND J	2.0	ND J	3.0	ND J	3.0						
Dilution Factor		1.3		1.2		1.3		1.4							
Solids-Total Residue (TS) %		76.	0.1	76.	0.1	78.	0.1	91.	0.1	60.	0.1	72.	0.1	76.	0.1

Analytical Data for Surface Soil Samples
Saco Municipal Landfill
Saco, Maine

Parameter	Residential	SS001 (11/14/95)		SS002 (11/14/95)		SS004 (11/14/95)		SS006 (11/14/95)		SS007 (11/14/95)		SS008 (11/14/95)	
All units in mg/Kg	Level(mg/Kg	Value	PQL	Value	PQL	Value	PQL	Value	PQL	Value	PQL	Value	PQL
Inorganics													
Aluminum	78000	11400.00 J	26.11	13300.00 J	26.81	12500.00 J	25.45	10500.00 J	29.81	9840.00 J	23.75	5660.00 J	26.21
Antimony	31	0.27 U	15.67	0.27 U	16.09	0.31 U	15.27	0.27 U	17.88	0.28 U	7.13	0.32 U	7.86
Arsenic	23	3.60	1.31	4.00	1.34	5.50	1.27	2.80	1.49	3.60	1.19	1.50	1.31
Barium	5500	42.60 J	26.11	58.00 J	26.81	42.90 J	25.45	41.30 J	29.81	38.60 J	23.75	19.20 J	26.21
Beryllium	0.15	1.10	0.65	1.30	0.67	1.00	0.64	0.80	0.75	0.81	0.59	0.46 J	0.66
Cadmium	39	0.03 U	0.65	0.45 U	0.67	0.04 U	0.64	0.03 U	0.75	0.03 U	0.59	0.03 U	0.66
Calcium		1750.00	1305.48	1660.00	1340.48	1470.00	1272.26	1360.00	1490.31	1280.00	593.82	603.00 J	655.31
Chromium	390	15.20 J	1.31	24.90 J	1.34	36.40 J	1.27	14.50 J	1.49	14.90 J	1.19	5.50 J	1.31
Cobalt	4700	6.70	13.05	9.30	13.40	7.70	12.72	5.70	14.90	5.50	5.94	2.90 J	6.55
Copper	3100	10.00	3.26	11.60	3.35	11.30	3.18	5.60	3.73	8.50	2.97	3.20	3.28
Iron	23000	16600.00 J	13.05	17700.00 J	13.40	17100.00 J	12.72	12500.00 J	14.90	11700.00 J	11.88	6680.00 J	13.11
Lead		11.60 J	0.65	18.40 J	0.67	17.50 J	0.64	12.90 J	0.75	8.70 J	0.59	5.30 J	0.66
Magnesium		3250.00	1305.48	3480.00	1340.48	3550.00	1272.26	2490.00	1490.31	2690.00	593.82	1190.00	655.31
Manganese	390	375.00 J	3.92	399.00 J	4.02	326.00 J	3.82	240.00 J	4.47	211.00 J	1.78	130.00 J	1.97
Mercury	23	0.06 U	0.13	0.07 J	0.13	0.04 U	0.13	0.06 J	0.15	0.04 U	0.12	0.05 U	0.13
Nickel	1600	9.50	10.44	11.20	10.72	13.00	10.18	8.40	11.92	8.80	4.75	3.40 J	5.24
Potassium		5080.00	1305.48	5170.00	1340.48	3270.00	1272.26	1990.00	1490.31	3190.00	593.82	1330.00	655.31
Selenium	390	0.39 U	0.65	0.60	0.67	0.46 J	0.64	0.49 J	0.75	0.40 U	0.59	0.47 U	0.66
Silver	390	0.07 U	1.31	0.07 U	1.34	0.08 U	1.27	0.07 U	1.49	0.07 U	1.19	0.08 U	1.31
Sodium		238.00 U	1305.48	230.00 U	1340.48	123.00 U	1272.26	80.70 U	1490.31	181.00 U	593.82	71.90 U	655.31
Thallium		0.90 U	1.31	1.30 U	1.34	0.71 U	1.27	0.60 U	1.49	0.59 U	1.19	0.89 U	1.31
Vanadium	550	25.40	13.05	27.90	13.40	25.60	12.72	21.00	14.90	19.90	5.94	10.80	6.55
Zinc	23000	54.80 J	2.61	57.50 J	2.68	61.90 J	2.54	41.40 J	2.98	37.80 J	2.38	23.10 J	2.62
Dilution Factor		1.3		1.3		1.3		1.5		1.2		1.3	

Parameter	Residential	SS009 (11/14/95)		SS010 (11/14/95)		SS011 (11/14/95)		SS012 (11/14/95)		SS012D (11/14/95)		SS013 (11/14/95)	
All units in mg/Kg	Level(mg/Kg	Value	PQL	Value	PQL	Value	PQL	Value	PQL	Value	PQL	Value	PQL
Inorganics													
Aluminum	78000	9850.00 J	30.77	10300.00 J	195.69	17300.00 J	47.85	1270.00 J	59.70	1400.00 J	58.82	17000.00 J	34.84
Antimony	31	0.27 U	9.23	0.43 U	11.74	0.53 U	14.35	2.40 J	17.91	1.30 J	17.65	0.40 U	10.45
Arsenic	23	3.20	1.54	11.00	1.96	6.30	2.39	17.10	2.99	13.00	2.94	8.20	1.74
Barium	5500	52.40 J	30.77	327.00 J	195.69	167.00 J	47.85	2080.00 J	597.01	1130.00 J	588.24	108.00 J	34.84
Beryllium	0.15	0.89	0.77	1.00	0.98	1.70	1.20	0.11 U	1.49	0.12 U	1.47	1.20	0.87
Cadmium	39	0.08 U	0.77	0.04 U	0.98	0.05 U	1.20	1.90	1.49	0.06	1.47	0.04 U	0.87
Calcium		7410.00	769.23	11200.00	4892.37	11200.00	1196.17	15400.00	1492.54	9790.00	1470.59	3250.00	871.08
Chromium	390	45.30 J	1.54	27.70 J	1.96	38.10 J	2.39	16.20 J	2.99	12.10 J	2.94	30.10 J	1.74
Cobalt	4700	4.30 J	7.69	5.80 J	48.92	10.50	11.96	0.34 J	14.93	0.74 J	14.71	11.30	8.71
Copper	3100	8.70	3.85	13.10	24.46	17.60	5.98	7.00	7.46	5.60 J	7.35	15.60	4.36
Iron	23000	9200.00 J	15.38	77900.00 J	97.85	28400.00 J	23.92	467000.00 J	298.51	269000.00 J	294.12	24300.00 J	17.42
Lead		6.60 J	0.77	15.70 J	0.98	13.80 J	1.20	6.20 J	1.49	6.00 J	1.47	18.90 J	0.87
Magnesium		1820.00	769.23	2920.00	4892.37	4630.00	1196.17	888.00 J	1492.54	706.00 J	1470.59	4970.00	871.08
Manganese	390	197.00 J	2.31	422.00 J	2.94	906.00 J	3.59	427.00 J	4.48	215.00 J	4.41	518.00 J	2.61
Mercury	23	0.05 U	0.15	0.15 J	0.20	0.10 U	0.24	0.16 J	0.30	0.11 U	0.29	0.08 J	0.17
Nickel	1600	7.80	6.15	10.40	39.14	15.40	9.57	4.00 J	11.94	3.00 J	11.76	18.50	6.97
Potassium		2310.00	769.23	3760.00	4892.37	6550.00	1196.17	390.00 U	1492.54	404.00 U	1470.59	5740.00	871.08
Selenium	390	0.39 U	0.77	0.76 J	0.98	1.10	1.20	3.70	1.49	3.10	1.47	0.63 J	0.87
Silver	390	0.07 U	1.54	0.11 U	1.96	0.14 U	2.39	0.16 U	2.99	0.15 U	2.94	0.11 U	1.74
Sodium		158.00 U	769.23	478.00 U	4892.37	793.00 U	1196.17	150.00 U	1492.54	121.00 U	1470.59	561.00 U	871.08
Thallium		0.75 U	1.54	1.10 U	1.96	1.40 U	2.39	3.70 U	2.99	2.70 U	2.94	1.70 U	1.74
Vanadium	550	17.80	7.69	24.10	48.92	36.90	11.96	5.20 J	14.93	5.60 J	14.71	36.30	8.71
Zinc	23000	48.80 J	3.08	73.10 J	19.57	87.40 J	4.78	141.00 J	5.97	113.00 J	5.88	82.80 J	3.48
Dilution Factor		1.5		2		2.4		3		2.9		1.8	

Analytical Data for Surface Soil Samples
Saco Municipal Landfill
Saco, Maine

Parameter	Residential	SS014 (11/14/95)		SS015 (11/14/95)		SS016 (11/16/95)		SS017 (11/16/95)		SS018 (11/16/95)		SS018D (11/16/95)	
All units in mg/Kg	Level(mg/Kg	Value	PQL	Value	PQL	Value	PQL	Value	PQL	Value	PQL	Value	PQL
Inorganics													
Aluminum	78000	198.00 J	72.99	12700.00 J	31.40	6590.00 J	32.57	8020.00 J	30.53	7910.00 J	41.49	5970.00 J	37.17
Antimony	31	1.50 J	21.90	0.39 U	9.42	0.40 U	9.77	0.34 U	9.16	0.51 U	12.45	0.40 U	11.15
Arsenic	23	83.50	3.65	5.50	1.57	5.20 J	1.63	4.60 J	1.53	3.10 J	2.07	2.00 J	1.86
Barium	5500	2490.00 J	729.93	75.90 J	31.40	276.00 J	32.57	336.00 J	305.34	218.00 J	41.49	109.00 J	37.17
Beryllium	0.15	0.05 U	1.82	1.10	0.78	0.58 J	0.81	0.65 J	0.76	0.64 J	1.04	0.53 J	0.93
Cadmium	39	0.08 U	1.82	0.26 U	0.78	0.04 U	0.81	0.03 U	0.76	0.05 U	1.04	0.04 U	0.93
Calcium		29900.00	1824.82	4760.00	784.93	11700.00 J	814.33	18600.00 J	763.36	42800.00 J	1037.34	25800.00 J	929.37
Chromium	390	19.70 J	3.65	28.90 J	1.57	58.10 J	1.63	40.10 J	1.53	70.20 J	2.07	55.90 J	1.86
Cobalt	4700	1.00 J	18.25	6.70 J	7.85	3.50 J	8.14	4.80 J	7.63	5.00 J	10.37	3.40 J	9.29
Copper	3100	3.60 J	9.12	14.80	3.92	6.20 J	4.07	7.00 J	3.82	7.20 J	5.19	5.60 J	4.65
Iron	23000	413000.00 J	364.96	15100.00 J	15.70	45400.00 J	32.57	40700.00 J	152.67	20200.00 J	20.75	10600.00 J	18.59
Lead		2.30 J	1.82	37.60 J	0.78	5.50 J	0.81	5.60 J	0.76	6.30 J	1.04	5.30 J	0.93
Magnesium		795.00 J	1824.82	2580.00	784.93	1800.00 J	814.33	1930.00 J	763.36	2440.00 J	1037.34	1690.00 J	929.37
Manganese	390	*1080.00 J*	5.47	*479.00 J*	2.35	*426.00 J*	4.89	*1700.00 J*	22.90	*1620.00 J*	15.56	*674.00 J*	13.94
Mercury	23	0.13 U	0.36	0.09 J	0.16	0.07 U	0.16	0.06 U	0.15	0.09 U	0.21	0.08 U	0.19
Nickel	1600	2.00 J	14.60	11.70	6.28	7.00 J	6.51	7.20 J	6.11	8.40 J	8.30	6.50 J	7.43
Potassium		257.00 U	1824.82	2930.00	784.93	1630.00	814.33	2060.00	763.36	2290.00	1037.34	1480.00	929.37
Selenium	390	5.20	1.82	0.57 U	0.78	0.58 U	0.81	0.65 J	0.76	1.10 J	1.04	0.59 U	0.93
Silver	390	0.23 U	3.65	0.10 U	1.57	0.10 U	1.63	0.09 U	1.53	0.13 U	2.07	0.11 U	1.86
Sodium		721.00 U	1824.82	170.00 U	784.93	112.00 U	814.33	178.00 U	763.36	265.00 U	1037.34	158.00 U	929.37
Thallium		3.60 U	3.65	1.40 U	1.57	0.85 U	1.63	1.90 J	1.53	1.10 U	2.07	0.87 U	1.86
Vanadium	550	7.70 J	18.25	24.70	7.85	14.80 J	8.14	14.60 J	7.63	17.00 J	10.37	10.50 J	9.29
Zinc	23000	346.00 J	7.30	220.00 J	3.14	45.90 J	3.26	51.80 J	3.05	57.90 J	20.75	44.10 J	18.59
Dilution Factor		3.6		1.6		1.6		1.5		2.1		1.9	

Parameter	Residential	SS019 (11/16/95)		SS020 (11/16/95)		SS021 (11/16/95)		SS022 (11/16/95)		SS023 (11/16/95)		SS024 (11/16/95)	
All units in mg/Kg	Level(mg/Kg	Value	PQL	Value	PQL	Value	PQL	Value	PQL	Value	PQL	Value	PQL
Inorganics													
Aluminum	78000	560.00 J	496.28	6230.00 J	27.21	5520.00 J	27.14	5430.00 J	25.71	10700.00 J	26.60	13600.00 J	397.61
Antimony	31	1.70 U	14.89	0.34 U	8.16	0.34 U	8.14	0.26 U	7.71	0.31 U	7.98	50.60 J	119.28
Arsenic	23	88.00 J	24.81	1.70 J	1.36	4.20 J	1.36	6.70 J	1.29	13.50 J	1.33	5.40 U	19.88
Barium	5500	601.00 J	496.28	54.20 J	27.21	28.00 J	27.14	24.30 J	25.71	55.80 J	26.60	222.00 J	397.61
Beryllium	0.15	0.14 U	1.24	0.56 J	0.68	0.63 J	0.68	0.34 U	0.64	0.63 J	0.66	0.49 J	9.94
Cadmium	39	0.57 U	12.41	0.17 U	0.68	0.17 U	0.68	0.03 U	0.64	0.03 U	0.66	0.48 U	9.94
Calcium		6170.00 J	12406.95	6710.00 J	680.27	1210.00 J	678.43	1250.00 J	1285.35	1770.00 J	1329.79	3450.00 J	9940.36
Chromium	390	26.70 J	2.48	49.70 J	1.36	17.70 J	1.36	14.80 J	1.29	25.70 J	1.33	22000.00 J	397.61
Cobalt	4700	3.50 J	12.41	3.00 J	6.80	3.60 J	6.78	5.40 J	6.43	8.00 J	6.65	8.10 J	99.40
Copper	3100	1.20 J	6.20	6.70 J	3.40	8.40 J	3.39	7.80 J	3.21	18.00 J	3.32	39.20 J	49.70
Iron	23000	473000.00 J	496.28	6640.00 J	13.61	7850.00 J	13.57	10600.00 J	12.85	20100.00 J	13.30	21100.00 J	198.81
Lead		2.60 J	1.24	4.90 J	0.68	35.60 J	0.68	11.90 J	0.64	84.90 J	0.66	912.00 J	9.94
Magnesium		407.00 J	12406.95	1430.00 J	680.27	2290.00 J	678.43	3170.00 J	1285.35	4360.00 J	1329.79	2830.00 J	9940.36
Manganese	390	1130.00 J	37.22	244.00 J	2.04	84.60 J	2.04	346.00 J	3.86	395.00 J	3.99	241.00 J	29.82
Mercury	23	0.12 U	0.25	0.06 U	0.14	0.06 U	0.14	0.04 U	0.13	0.06 U	0.13	0.57 J	0.20
Nickel	1600	3.00 J	9.93	5.90 J	5.44	7.80 J	5.43	14.50 J	5.14	21.10 J	5.32	18.10 J	79.52
Potassium		181.00 U	1240.69	1490.00 J	680.27	1470.00 J	678.43	1290.00 J	642.67	2780.00 J	664.89	1030.00 U	994.04
Selenium	390	0.88 U	1.24	0.60 U	0.68	0.60 U	0.68	0.39 U	0.64	0.45 U	0.66	7.30 U	9.94
Silver	390	0.16 U	2.48	0.09 U	1.36	0.09 U	1.36	0.07 U	1.29	0.08 U	1.33	1.30 U	19.88
Sodium		33.60 U	1240.69	119.00 U	680.27	121.00 U	678.43	86.90 U	642.67	196.00 U	664.89	86.20 U	994.04
Thallium		13.40 J	24.81	0.72 U	1.36	0.72 U	1.36	0.63 J	1.29	0.66 U	1.33	12.20 J	19.88
Vanadium	550	10.90 J	12.41	12.10 J	6.80	17.00 J	6.78	14.90 J	6.43	25.90 J	6.65	27.30 J	99.40
Zinc	23000	117.00 J	49.63	37.30 J	2.72	41.30 J	2.71	61.10 J	2.57	107.00 J	2.66	336.00 J	39.76
Dilution Factor		2.5		1.4		1.4		1.3		1.3		2	

Analytical Data for Surface Soil Samples
Saco Municipal Landfill
Saco, Maine

Parameter	Residential	SS024D (11/16/95)		SS025 (11/16/95)		SS026 (11/16/95)		SS027 (11/16/		SS028 (11/16/		SS029 (11/16/95)	
All units in mg/Kg	Level(mg/Kg	Value	PQL	Value	PQL	Value	PQL	Val	PQL	Val	PQL	Val	PQL
Inorganics													
Aluminum	78000	12100.00 J	440.53	18800.00 J	24.88	12700.00 J	27.06	11600.00 J	28.99	9670.00 J	26.28	5140.00 J	26.42
Antimony	31	74.00 J	132.16	0.30 U	7.46	0.29 U	8.12	1.10 J	8.70	0.26 U	7.88	9.00 J	7.93
Arsenic	23	5.40 U	22.03	10.40 J	1.24	5.30 J	1.35	9.20 J	1.45	12.90 J	2.63	5.80 J	1.32
Barium	5500	323.00 J	440.53	79.60 J	24.88	36.60 J	27.06	46.00 J	28.99	38.60 J	26.28	20.30 J	26.42
Beryllium	0.15	0.44 J	11.01	0.93 J	0.62	0.77 J	0.68	0.55 J	0.72	0.55 J	0.66	0.55 J	0.66
Cadmium	39	0.47 U	11.01	0.03 U	0.62	0.03 U	0.68	0.03 U	0.72	0.08 U	0.66	0.02 U	0.66
Calcium		4620.00 J	11013.22	2890.00 J	621.89	943.00 J	676.59	3400.00 J	724.64	775.00 J	1314.06	854.00 J	660.50
Chromium	390	32200.00 J	440.53	39.40 J	1.24	16.40 J	1.35	789.00 J	5.80	55.50 J	1.31	14.30 J	1.32
Cobalt	4700	9.30 U	110.13	12.80 J	6.22	5.60 J	6.77	5.30 J	7.25	6.10 U	6.57	4.80 J	6.61
Copper	3100	53.20 U	55.07	16.30 J	3.11	7.50 J	3.38	8.10 J	3.62	8.40 J	3.29	6.90 J	3.30
Iron	23000	34500.00 J	220.26	37600.00 J	62.19	12800.00 J	13.53	13000.00 J	14.49	12400.00 J	26.28	9190.00 J	13.21
Lead		1360.00 J	11.01	7.30 J	0.62	9.00 J	0.68	85.70 J	0.72	85.60 J	0.66	17.70 J	0.66
Magnesium		2210.00 J	11013.22	8150.00 J	621.89	2420.00 J	676.59	2580.00 J	724.64	3050.00 J	1314.06	2350.00 J	660.50
Manganese	390	311.00 J	33.04	509.00 J	9.33	206.00 J	2.03	182.00 J	2.17	192.00 J	1.97	150.00 J	1.98
Mercury	23	0.92	0.22	0.06 U	0.12	0.05 U	0.14	0.11 U	0.14	0.06 U	0.13	0.04 U	0.13
Nickel	1600	14.80 J	88.11	26.50 J	4.98	11.90 J	5.41	11.60 J	5.80	13.80 J	5.26	9.40 J	5.28
Potassium		948.00 U	1101.32	10100.00 J	621.89	1290.00 J	676.59	914.00	724.64	1630.00	657.03	1480.00	660.50
Selenium	390	7.20 U	11.01	0.44 U	0.62	0.53 J	0.68	0.84 J	0.72	0.38 U	0.66	0.36 J	0.66
Silver	390	1.30 U	22.03	0.08 U	1.24	0.08 U	1.35	0.09 U	1.45	0.07 U	1.31	0.06 U	1.32
Sodium		53.70 U	1101.32	492.00 U	621.89	104.00 U	676.59	50.20 U	724.64	72.20 U	657.03	148.00 U	660.50
Thallium		12.50 J	22.03	1.90 U	1.24	1.00 U	1.35	0.70 U	1.45	0.56 U	1.31	0.49 U	1.32
Vanadium	550	30.90 J	110.13	44.80 J	6.22	20.00 J	6.77	23.20 J	7.25	17.90 J	6.57	13.10 J	6.61
Zinc	23000	409.00 J	44.05	65.60 J	2.49	31.40 J	2.71	62.50 J	2.90	314.00 J	5.26	39.80 J	2.64
Dilution Factor		2.2		1.2		1.4		1.4		1.3		1.3	

Parameter	Residential	SS030 (11/16/95)		SS030D (11/16/95)		SS031 (11/16/95)		SS032 (11/16/		SS033 (11/16/95)	
All units in mg/Kg	Level(mg/Kg	Value	PQL	Value	PQL	Value	PQL	Val	PQL	Val	PQL
Inorganics											
Aluminum	78000	5380.00 J	25.71	5420.00 J	22.08	9140.00 J	33.28	9300.00 J	27.62	9680.00 J	26.32
Antimony	31	0.23 U	7.71	0.22 U	6.62	0.31 U	9.98	0.21 U	8.29	0.29 U	7.89
Arsenic	23	2.00 J	1.29	1.90 J	1.10	3.00 J	1.66	2.10 J	1.38	2.40 J	1.32
Barium	5500	19.40 J	25.71	19.30 J	22.08	38.10 J	33.28	32.50 J	27.62	35.50 J	26.32
Beryllium	0.15	0.51 J	0.64	0.51 J	0.55	0.86 J	0.83	0.92 J	0.69	1.10 J	0.66
Cadmium	39	0.02 U	0.64	0.02 U	0.55	0.03 U	0.83	0.02 U	0.69	0.03 U	0.66
Calcium		226.00 J	642.67	204.00 J	551.88	1300.00 J	831.95	754.00 J	690.61	913.00 J	657.89
Chromium	390	14.00 J	1.29	16.70 J	1.10	14.80 J	1.66	12.60 J	1.38	13.90 J	1.32
Cobalt	4700	3.10 J	6.43	3.10 J	5.52	5.70 J	8.32	5.20 J	6.91	5.50 J	6.58
Copper	3100	3.20 J	3.21	3.30 J	2.76	7.50 J	4.16	8.30 J	3.45	9.40 J	3.29
Iron	23000	6410.00 J	12.85	6860.00 J	11.04	12000.00 J	16.64	12700.00 J	13.81	13500.00 J	13.16
Lead		4.80 J	0.64	4.80 J	0.55	8.60 J	0.83	6.60 J	0.69	8.60 J	0.66
Magnesium		1350.00 J	642.67	1400.00 J	551.88	2730.00 J	831.95	2460.00 J	690.61	2920.00 J	657.89
Manganese	390	143.00 J	1.93	149.00 J	1.66	188.00 J	2.50	294.00 J	4.14	172.00 J	1.97
Mercury	23	0.04 U	0.13	0.04 U	0.11	0.06 U	0.17	0.05 U	0.14	0.06 U	0.13
Nickel	1600	4.90 J	5.14	5.10 J	4.42	9.40 J	6.66	7.20 J	5.52	8.90 J	5.26
Potassium		1130.00 J	642.67	1180.00	551.88	3570.00	831.95	4100.00 J	690.61	5530.00	657.89
Selenium	390	0.34 U	0.64	0.33 U	0.55	0.45 U	0.83	0.31 U	0.69	0.42 U	0.66
Silver	390	0.06 U	1.29	0.06 U	1.10	0.08 U	1.66	0.05 U	1.38	0.07 U	1.32
Sodium		57.30 U	642.67	58.80 U	551.88	220.00 U	831.95	277.00 U	690.61	257.00 U	657.89
Thallium		0.49 U	1.29	0.50 J	1.10	0.65 U	1.66	0.45 U	1.38	0.67 J	1.32
Vanadium	550	9.10 J	6.43	9.10 J	5.52	19.70 J	8.32	21.10 J	6.91	21.80 J	6.58
Zinc	23000	23.40 J	2.57	24.00 J	2.21	44.60 J	3.33	36.90 J	2.76	52.30 J	2.63
Dilution Factor		1.3		1.1		1.7		1.4		1.3	

SECTION 7.0

EQUIPMENT/ TRIP/ FIELD BLANK DATA

Analytical Data for Equipment Blanks
Saco Municipal Landfill
Saco, Maine

Parameter (All units in ug/L)	EQ001 (11/20/95 Value	PQL	EQ002 (11/20/95 Value	PQL	EQ003Q (11/17/95) Value	PQL	EQ004Q (11/17/95) Value	PQL	EQ005Q (12/19/95 Value	PQL	EQ006Q (1/18/96) Value	PQL
Pesticides/PCBs												
4,4'-DDD	ND	0.10	ND	0.10	0.0022 J	0.10	ND	0.10				
4,4'-DDE	ND	0.10	ND	0.10	ND	0.10	ND	0.10				
4,4'-DDT	ND	0.10	ND	0.10	ND	0 10	ND	0.10				
alpha-BHC	ND	0 05	ND	0.05	ND	0 05	ND	0.05				
alpha-Chlordane	ND	0.05	ND	0.05	ND	0.05	ND	0.05				
Aldrin	ND	0.05	ND	0.05	ND	0.05	ND	0.05				
beta-BHC	ND	0.05	ND	0.05	ND	0.05	ND	0.05	[These samples were not analyzed			
Chlordane	ND	0.50	ND	0.50	ND	0.50	ND	0.50	for Pesticides/PCBs]			
delta-BHC	ND	0.05	ND	0.05	ND	0.05	ND	0.05				
Dieldrin	ND	0.10	ND	0 10	ND	0.10	ND	0.10				
Endrin aldehyde	ND	0.10	ND	0.10	ND	0.10	ND	0.10				
Endosulfan I	ND	0.05	ND	0.05	ND	0.05	ND	0.05				
Endosulfan II	ND	0.10	ND	0.10	ND	0.10	0.0016 J	0.10				
Endrin	ND	0.10	ND	0.10	ND	0.10	ND	0.10				
Endrin ketone	ND	0.10	ND	0.10	ND	0.10	ND	0.10				
Endosulfan sulfate	ND	0.10	ND	0.10	ND	0.10	ND	0.10				
gamma-BHC (Lindane)	ND	0.05	ND	0.05	ND	0.05	ND	0.05				
gamma-Chlordane	ND	0.05	ND	0.05	ND	0 05	ND	0.05				
Heptachlor	ND	0.05	ND	0.05	ND	0.05	ND	0.05				
Heptachlor epoxide	ND	0.05	ND	0.05	ND	0 05	ND	0.05				
Methoxychlor	ND	0.50	ND	0.50	ND	0 50	0.10 J	0.50				
PCB-1016	ND	0.50	ND	0.50	ND	0 50	ND	0.50				
PCB-1221	ND	1 00	ND	1.00	ND	1.00	ND	1.00				
PCB-1232	ND	0.50	ND	0.50	ND	0.50	ND	0.50				
PCB-1242	ND	0.50	ND	0.50	ND	0.50	ND	0.50				
PCB-1248	ND	0.50	ND	0.50	ND	0.50	ND	0.50				
PCB-1254	ND	0.50	ND	0.50	ND	0.50	ND	0 50				
PCB-1260	ND	0.50	ND	0.50	ND	0.50	ND	0.50				
Toxaphene	*ND*	*1.00*	*ND*	*1.00*	*ND*	*1.00*	*ND*	*1 00*				
Dilution Factor	1 00		1.00		1.00		1.00					
SVOCs												
1,2,4-Trichlorobenzene	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
1,2-Dichlorobenzene	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
1,3-Dichlorobenzene	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
1,4-Dichlorobenzene	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
2,4,5-Trichlorophenol	ND	25.00	ND	25.00	ND	25.00	ND	25.00	ND	25.00	ND	25 00
2,4,6-Trichlorophenol	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
2,4-Dichlorophenol	ND	10 00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
2,4-Dimethylphenol	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10 00
2,4-Dinitrophenol	ND	25.00	ND	25.00	ND	25.00	ND	25.00	ND	25.00	ND	25.00
2,4-Dinitrotoluene	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
2,6-Dinitrotoluene	ND	10.00	ND	10.00	ND	10 00	ND	10.00	ND	10.00	ND	10.00
2-Chloronaphthalene	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10 00	ND	10.00
2-Chlorophenol	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
2-Methylnaphthalene	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
2-Methylphenol	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
2-Nitroaniline	ND	25.00	ND	25.00	ND	25.00	ND	25.00	ND	25.00	ND	25 00
2-Nitrophenol	ND	10 00	ND	10 00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
3,3'-Dichlorobenzidine	ND	10.00	ND	10.00	ND	10.00	ND	10 00	ND	10.00	ND	10.00
3-Nitroaniline	ND	25.00	ND	25.00	ND	25 00	ND	25.00	ND	25.00	ND	25.00
4,6-Dinitro-2-methylphenol	ND	25.00	ND	25.00	ND	25 00	ND	25.00	ND	25 00	ND	25.00
4-Bromophenyl phenyl ether	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
4-Chloro-3-methylphenol	ND	10 00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
4-Chloroaniline	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
4-Chlorophenyl phenyl ether	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00

Analytical Data for Equipment Blanks
Saco Municipal Landfill
Saco, Maine

Parameter	EQ001 (11/20/95		EQ002 (11/20/95		EQ003Q (11/17/95)		EQ004Q (11/17/95)		EQ005Q (12/19/95		EQ006Q (1/18/96)	
(All units in ug/L)	Value	PQL	Value	PQL	Value	PQL	Value	PQL	Value	PQL	Value	PQL
4-Methylphenol	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
4-Nitroaniline	ND	25.00	ND	25.00	ND	25.00	ND	25.00	ND	25.00	ND	25.00
4-Nitrophenol	ND	25.00	ND	25.00	ND	25.00	ND	25.00	ND	25.00	ND	25.00
Acenaphthene	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
Acenaphthylene	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
Anthracene	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
bis(2-Chloroethyl)ether	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
bis(2-Chloroethoxy)methane	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
bis(2-Chloroisopropyl) ether	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
bis(2-Ethylhexyl)phthalate	ND	10.00	ND	10.00	1.00 J	10.00	ND	10.00	ND	10.00	1.00 J	10.00
Butyl benzylphthalate	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
Benzo(a)anthracene	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
Benzo(a)pyrene	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
Benzo(b)fluoranthene	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
Benzo(k)fluoranthene	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
Benzo(g,h,i)perylene	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	3.00 J	10.00
Carbazole	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
Chrysene	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
Dibenzofuran	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
Di-n-butylphthalate	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
Dibenzo(a,h)anthracene	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	3.00 J	10.00
Diethylphthalate	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
Dimethylphthalate	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
Di-n-octylphthalate	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
Fluoranthene	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
Fluorene	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
Hexachloroethane	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
Hexachlorobutadiene	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
Hexachlorobenzene	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
Hexachlorocyclopentadiene	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
Indeno(1,2,3-cd)pyrene	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	3.00 J	10.00
Isophorone	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
Naphthalene	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
Nitrobenzene	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
n-Nitrosodiphenylamine	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
n-Nitroso-dipropylamine	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
Pentachlorophenol	ND	25.00	ND	25.00	ND	25.00	ND	25.00	ND	25.00	ND	25.00
Phenanthrene	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
Phenol	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
Pyrene	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00	ND	10.00
Dilution Factor	1.00		1.00		1.00		1.00					
VOCs												
1,1,1,2-tetrachloroethane	ND	1.00	ND J	1.00	ND	1.00	ND J	1.00	ND	1.00	ND	1.00
1,1,1-Trichloroethane	ND	1.00	ND J	1.00	ND	1.00	ND J	1.00	ND	1.00	ND	1.00
1,1,2,2-Tetrachloroethane	ND	1.00	ND J	1.00	ND	1.00	ND J	1.00	ND	1.00	ND	1.00
1,1,2-Trichloroethane	ND	1.00	ND J	1.00	ND	1.00	ND J	1.00	ND	1.00	ND	1.00
1,1-Dichloroethane	ND	1.00	ND J	1.00	ND	1.00	ND J	1.00	ND	1.00	ND	1.00
1,1-Dichloroethene	ND	1.00	ND J	1.00	ND	1.00	ND J	1.00	ND	1.00	ND	1.00
1,1-Dichloropropene	ND	1.00	ND J	1.00	ND	1.00	ND J	1.00	ND	1.00	ND	1.00
1,2,3-Trichlorobenzene	ND	1.00	ND J	1.00	ND	1.00	ND J	1.00	ND	1.00	ND	1.00
1,2,3-Trichloropropane	ND	1.00	ND J	1.00	ND	1.00	ND J	1.00	ND	1.00	ND	1.00
1,2,4-Trichlorobenzene	ND	1.00	ND J	1.00	ND	1.00	ND J	1.00	ND	1.00	ND	1.00
1,2,4-Trimethylbenzene	ND	1.00	ND J	1.00	ND	1.00	ND J	1.00	ND	1.00	ND	1.00
1,2-Dibromoethane	ND	1.00	ND J	1.00	ND	1.00	ND J	1.00	ND	1.00	ND	1.00
1,2-Dichloroethane	ND	1.00	ND J	1.00	ND	1.00	ND J	1.00	ND	1.00	ND	1.00
1,2-Dichlorobenzene	ND	1.00	ND J	1.00	ND	1.00	ND J	1.00	ND	1.00	ND	1.00

Analytical Data for Equipment Blanks
Saco Municipal Landfill
Saco, Maine

Parameter	EQ001 (11/20/95		EQ002 (11/20/95		EQ003Q (11/17/95)		EQ004Q (11/17/95)		EQ005Q (12/19/95		EQ006Q (1/18/96)	
(All units in ug/L)	Value	PQL	Value	PQL	Value	PQL	Value	PQL	Value	PQL	Value	PQL
1,2-Dichloropropane	ND	1.00	ND J	1.00	ND	1.00	ND J	1.00	ND	1.00	ND	1.00
1,3,5-Trimethylbenzene	ND	1.00	ND J	1.00	ND	1.00	ND J	1.00	ND	1.00	ND	1.00
1,3-Dichlorobenzene	ND	1.00	ND J	1.00	1.00 J	1.00	ND J	1.00	ND	1.00	ND	1.00
1,3-Dichloropropane	ND	1.00	ND J	1.00	ND	1.00	ND J	1.00	ND	1.00	ND	1.00
1,4-Dichlorobenzene	ND	1.00	ND J	1.00	ND	1.00	ND J	1.00	ND	1.00	ND	1.00
2,2-Dichloropropane	ND	1.00	ND J	1.00	ND	1.00	ND J	1.00	ND	1.00	ND	1.00
2-Chlorotoluene	ND	1.00	ND J	1.00	1.00 J	1.00	ND J	1.00	ND	1.00	ND	1.00
2-Hexanone	ND	4.00	ND J	4.00	ND	4.00	ND J	4.00	ND	4.00	ND	4.00
4-Chlorotoluene	ND	1.00	ND J	1.00	ND	1.00	ND J	1.00	ND	1.00	ND	1.00
4-Isopropyltoluene	ND	1.00	ND J	1.00	ND	1.00	ND J	1.00	ND	1.00	ND	1.00
Acetone	6.00	5.00	10.00 J	5.00	4.00 J	5.00	ND J	5.00	3 J	5.00	5.00 J	5.00
Bromochloromethane	ND	1.00	ND J	1.00	ND	1.00	ND J	1.00	ND	1.00	ND	1.00
Bromodichloromethane	ND	1.00	ND J	1.00	ND	1.00	ND J	1.00	ND	1.00	ND	1.00
Benzene	ND	1.00	ND J	1.00	ND	1.00	ND J	1.00	ND	1.00	ND	1.00
Bromobenzene	ND	1.00	ND J	1.00	ND	1.00	ND J	1.00	ND	1.00	ND	1.00
cis-1,2-Dichloroethene	ND	1.00	ND J	1.00	ND	1.00	ND J	1.00	ND	1.00	ND	1.00
cis-1,3-Dichloropropene	ND	1.00	ND J	1.00	ND	1.00	ND J	1.00	ND	1.00	ND	1.00
Chloroethane	ND	2.00	ND J	2.00	ND	2.00	ND J	2.00	ND	2.00	ND	2.00
Bromoform	ND	1.00	ND J	1.00	ND	1.00	ND J	1.00	ND	1.00	ND	1.00
Chloroform	ND	1.00	ND J	1.00	ND	1.00	ND J	1.00	ND	1.00	ND	1.00
Carbon tetrachloride	ND	1.00	ND J	1.00	ND	1.00	ND J	1.00	ND	1.00	ND	1.00
Bromomethane	ND	2.00	ND J	2.00	ND	2.00	ND J	2.00	ND	2.00	ND	2.00
Chloromethane	ND	2.00	ND J	2.00	ND	2.00	ND J	2.00	ND	2.00	ND	2.00
Chlorobenzene	ND	1.00	ND J	1.00	ND	1.00	ND J	1.00	ND	1.00	ND	1.00
Dibromochloromethane	ND	1.00	ND J	1.00	ND	1.00	ND J	1.00	ND	1.00	ND	1.00
1,2-Dibromo-3-chloropropane	ND	1.00	ND J	1.00	ND	1.00	ND J	1.00	ND	1.00	ND	1.00
Dibromomethane	ND	1.00	ND J	1.00	ND	1.00	ND J	1.00	ND	1.00	ND	1.00
Dichlorodifluoromethane	ND	2.00	ND J	2.00	ND	2.00	ND J	2.00	ND	2.00	ND R	2.00
Ethylbenzene	ND	1.00	ND J	1.00	ND	1.00	ND J	1.00	ND	1.00	ND	1.00
Hexachlorobutadiene	ND	1.00	ND J	1.00	1.00 J	1.00	1.00 J	1.00	ND	1.00	ND	1.00
Isopropylbenzene	ND	1.00	ND J	1.00	ND	1.00	ND J	1.00	ND	1.00	ND	1.00
m-Xylene/p-Xylene	ND	1.00	ND J	1.00	1.00 J	1.00	ND J	1.00	ND	1.00	ND	1.00
Methylene chloride	14.00	1.00	16.00 J	1.00	6.00	1.00	3.00 J	1.00	7.	1.00	5.00 J	1.00
2-Butanone	ND	5.00	ND J	5.00	ND	5.00	ND J	5.00	ND	5.00	ND	5.00
4-Methyl-2-pentanone	ND	3.00	ND J	3.00	ND	3.00	ND J	3.00	ND	3.00	ND	3.00
Naphthalene	ND	1.00	ND J	1.00	ND	1.00	ND J	1.00	ND	1.00	ND	1.00
n-Butylbenzene	ND	1.00	ND J	1.00	ND	1.00	ND J	1.00	ND	1.00	ND	1.00
n-Propylbenzene	ND	1.00	ND J	1.00	ND	1.00	ND J	1.00	ND	1.00	ND	1.00
o-Xylene	ND	1.00	ND J	1.00	ND	1.00	ND J	1.00	ND	1.00	ND	1.00
Tetrachloroethene	ND	1.00	ND J	1.00	ND	1.00	ND J	1.00	1 J	1.00	ND	1.00
sec-Butylbenzene	ND	1.00	ND J	1.00	ND	1.00	ND J	1.00	ND	1.00	ND	1.00
Styrene	ND	1.00	ND J	1.00	ND	1.00	ND J	1.00	ND	1.00	ND	1.00
trans-1,2-Dichloroethene	ND	1.00	ND J	1.00	ND	1.00	ND J	1.00	ND	1.00	ND	1.00
trans-1,3-Dichloropropene	ND	1.00	ND J	1.00	ND	1.00	ND J	1.00	ND	1.00	ND	1.00
tert-Butylbenzene	ND	1.00	ND J	1.00	ND	1.00	ND J	1.00	ND	1.00	ND	1.00
Trichloroethene	ND	1.00	ND J	1.00	ND	1.00	ND J	1.00	ND	1.00	ND	1.00
Trichlorofluoromethane	ND	2.00	ND J	2.00	ND	2.00	ND J	2.00	ND	2.00	ND	2.00
Tetrahydrofuran	ND	50.00	ND J	50.00	ND	50.00	1.00 J	50.00	ND	50.00	ND	50.00
Toluene	1.00 J	1.00	1.00 J	1.00	1.00 J	1.00	ND J	1.00	ND	1.00	ND	1.00
Vinyl chloride	ND	2.00	ND J	2.00	ND	2.00	ND J	2.00	ND	2.00	ND	2.00
Dilution Factor	1.00		1.00		1.00		1.00		1.00		1.00	

Analytical Data for Trip Blanks
Saco Municipal Landfill
Saco, Maine

Parameter	TB001Q (11/17/9		TB002 (11/17/95)		TB010Q (12/19/95		TB011Q (12/19/95		TB012Q (1/9/96)		TB013Q (1/10/96)	
(All units in ug/L)	*Value*	*PQL*	*Value*	*PQL*	*Value*	*PQL*	*Value*	*PQL*	*Value*	*PQL*	*Value*	*PQL*
VOCs												
1,1,1,2-tetrachloroethane	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
1,1,1-Trichloroethane	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
1,1,2,2-Tetrachloroethane	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
1,1,2-Trichloroethane	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
1,1-Dichloroethane	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
1,1-Dichloroethene	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
1,1-Dichloropropene	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
1,2,3-Trichlorobenzene	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
1,2,3-Trichloropropane	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
1,2,4-Trichlorobenzene	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
1,2,4-Trimethylbenzene	*ND*	*1.00*	*ND*	*1.00*	*ND*	*1.00*	*ND*	*1.00*	*ND*	*1.00*	*ND*	*1.00*
1,2-Dibromoethane	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
1,2-Dichloroethane	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
1,2-Dichlorobenzene	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
1,2-Dichloropropane	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
1,3,5-Trimethylbenzene	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
1,3-Dichlorobenzene	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
1,3-Dichloropropane	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
1,4-Dichlorobenzene	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
2,2-Dichloropropane	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
2-Chlorotoluene	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
2-Hexanone	ND	4.00	ND	4.00	ND	4.00	ND	4.00	ND	4.00	ND	4.00
4-Chlorotoluene	*ND*	*1.00*	*ND*	*1.00*	*ND*	*1.00*	*ND*	*1.00*	*ND*	*1.00*	*ND*	*1.00*
4-Isopropyltoluene	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
Acetone	4.00 J	5.00	ND	5.00	ND	5.00	ND	5.00	1.00 J	5.00	ND	5.00
Bromochloromethane	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
Bromodichloromethane	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
Benzene	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
Bromobenzene	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
cis-1,2-Dichloroethene	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
cis-1,3-Dichloropropene	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
Chloroethane	ND	2.00	ND	2.00	ND	2.00	ND	2.00	ND	2.00	ND	2.00
Bromoform	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
Chloroform	1.00 J	1.00	1.00 J	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
Carbon tetrachloride	*ND*	*1.00*	*ND*	*1.00*	*ND*	*1.00*	*ND*	*1.00*	*ND*	*1.00*	*ND*	*1.00*
Bromomethane	ND	2.00	ND	2.00	ND	2.00	ND	2.00	ND	2.00	ND	2.00
Chloromethane	ND	2.00	ND	2.00	ND	2.00	ND	2.00	ND	2.00	ND	2.00
Chlorobenzene	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
Dibromochloromethane	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
1,2-Dibromo-3-chloropropane	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
Dibromomethane	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
Dichlorodifluoromethane	ND	2.00	ND	2.00	ND	2.00	ND	2.00	ND R	2.00	ND R	2.00
Ethylbenzene	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
Hexachlorobutadiene	1.00 J	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
Isopropylbenzene	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
m-Xylene/p-Xylene	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
Methylene chloride	*6.00*	*1.00*	*5.00 J*	*1.00*	*2.*	*1.00*	*3 J*	*1.00*	*1.00 J*	*1.00*	*2.00 J*	*1.00*
2-Butanone	ND	5.00	ND	5.00	ND	5.00	ND	5.00	ND	5.00	ND	5.00
4-Methyl-2-pentanone	ND	3.00	ND	3.00	ND	3.00	ND	3.00	ND	3.00	ND	3.00
Naphthalene	ND	1.00	ND	1.00	ND	1.00	ND	1.00	1.00 J	1.00	ND	1.00
n-Butylbenzene	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
n-Propylbenzene	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
o-Xylene	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
Tetrachloroethene	ND	1.00	ND	1.00	1 J	1.00	ND	1.00	ND	1.00	ND	1.00
sec-Butylbenzene	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
Styrene	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
trans-1,2-Dichloroethene	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
trans-1,3-Dichloropropene	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
tert-Butylbenzene	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
Trichloroethene	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
Trichlorofluoromethane	ND	2.00	ND	2.00	ND	2.00	ND	2.00	ND	2.00	ND	2.00
Tetrahydrofuran	ND	50.00	ND	50.00	ND	50.00	ND	50.00	ND	50.00	ND	50.00
Toluene	1.00 J	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
Vinyl chloride	ND	2.00	ND	2.00	ND	2.00	ND	2.00	ND	2.00	ND	2.00
Dilution Factor	1.00		1.00		1.00		1.00		1.00		1.00	

Analytical Data for Field Blank
Saco Municipal Landfill
Saco, Maine

Parameter (All units in ug/L)	SOURCE - 1 (1/03/96) Value	PQL
VOCs		
1,1,1,2-tetrachloroethane	ND	1.00
1,1,1-Trichloroethane	ND	1.00
1,1,2,2-Tetrachloroethane	ND	1.00
1,1,2-Trichloroethane	ND	1.00
1,1-Dichloroethane	ND	1.00
1,1-Dichloroethene	ND	1.00
1,1-Dichloropropene	ND	1.00
1,2,3-Trichlorobenzene	ND	1.00
1,2,3-Trichloropropane	ND	1.00
1,2,4-Trichlorobenzene	ND	1.00
1,2,4-Trimethylbenzene	ND	1.00
1,2-Dibromoethane	ND	1.00
1,2-Dichloroethane	ND	1.00
1,2-Dichlorobenzene	ND	1.00
1,2-Dichloropropane	ND	1.00
1,3,5-Trimethylbenzene	ND	1.00
1,3-Dichlorobenzene	ND	1.00
1,3-Dichloropropane	ND	1.00
1,4-Dichlorobenzene	ND	1.00
2,2-Dichloropropane	ND	1.00
2-Chlorotoluene	ND	1.00
2-Hexanone	ND	4.00
4-Chlorotoluene	ND	1.00
4-Isopropyltoluene	ND	1.00
Acetone	ND	5.00
Bromochloromethane	ND	1.00
Bromodichloromethane	1.00 J	1.00
Benzene	ND	1.00
Bromobenzene	ND	1.00
cis-1,2-Dichloroethene	ND	1.00
cis-1,3-Dichloropropene	ND	1.00
Chloroethane	ND	2.00
Bromoform	ND	1.00
Chloroform	12.00	1.00
Carbon tetrachloride	ND	1.00
Bromomethane	ND	2.00
Chloromethane	ND	2.00
Chlorobenzene	ND	1.00
Dibromochloromethane	ND	1.00
1,2-Dibromo-3-chloropropane	ND	1.00
Dibromomethane	ND	1.00
Dichlorodifluoromethane	100.00 U	2.00
Ethylbenzene	ND	1.00
Hexachlorobutadiene	ND	1.00
Isopropylbenzene	ND	1.00
m-Xylene/p-Xylene	ND	1.00
Methylene chloride	1.00 J	1.00
2-Butanone	ND	5.00
4-Methyl-2-pentanone	ND	3.00
Naphthalene	ND	1.00
n-Butylbenzene	ND	1.00
n-Propylbenzene	ND	1.00
o-Xylene	ND	1.00
Tetrachloroethene	ND	1.00
sec-Butylbenzene	ND	1.00
Styrene	ND	1.00
trans-1,2-Dichloroethene	ND	1.00
trans-1,3-Dichloropropene	ND	1.00
tert-Butylbenzene	ND	1.00
Trichloroethene	ND	1.00
Trichlorofluoromethane	ND	2.00
Tetrahydrofuran	ND	50.00
Toluene	ND	1.00
Dilution Factor	1.00	

SECTION 8.0
DATA QUALITY ASSESSMENT

WOODARD & CURRAN
ENVIRONMENTAL SERVICES

April 18,1996

Andy Beliveau
U.S. Environmental Protection Agency
60 Westview Street
Lexington, MA 02173

Dear Andy :

Enclosed for your review is the data quality assessment of surface soil, sediment, surface water and groundwater sample results for the Saco Municipal Landfill site. This assessment pertains to samples collected during the fall of 1995 and winter of 1996. Also enclosed are copies of the data validation summaries, completed in association with these samples by Environmental Chemistry Consultants, Inc.

Please feel free to call if you have any questions.

Sincerely,
WOODARD & CURRAN

Patti Nalty for
Guy William Vaillancourt,
Project Coordinator

cc: Larry Brown, Maine DEP
Rich Roedner, City Planner for the city of Saco
Ed Hathaway, USEPA

1.0 DATA QUALITY ASSESSMENT

A data quality assessment was performed for data associated with samples collected as part of the Saco Municipal Landfill Phase I Remedial Investigation (RI). The assessment was segregated by media type and chemical class. Data evaluations followed the procedures identified in the Quality Assurance Project Plan (QAPP) and were based on the validation results to identify those samples that may have been affected by analytical and/or field conditions.

The field sampling program for Saco Municipal Landfill (SML) was conducted from November, 1995 through August, 1996. Samples collected during the RI included surface soils, sediments, surface water, and groundwater. Samples were submitted to Katahdin Analytical Services for the following analyses: volatile organic compounds (VOCs), semi-volatile compounds (SVOCs), inorganic elements, and pesticide/PCB compounds (See Table XXX). Groundwater samples were not analyzed for pesticides/PCBs. Laboratory analyses included both field and laboratory quality control samples to meet the requirements of a Level III analytical level.

After laboratory analyses were completed, a USEPA Region I Tier III technical review (data validation) was completed by Environmental Chemistry Consultants, Inc. for data associated with surface water and sediment samples. A USEPA Region I Tier II review was performed for data associated with surface soil and groundwater samples. Validation was completed using criteria specified in the Phase I Remedial Investigation Work Plan for Saco Landfill (QAPP), the USEPA Region I Laboratory Validation Functional Guidelines for Evaluating Organic Analyses (modified, February,1988), and the USEPA Region I Laboratory Validation Functional Guidelines for Evaluating Inorganic Analyses (modified February, 1989). The purpose of validation is to determine the usability of the data as it pertains to project objectives. During the validation review, data were evaluated based on the following parameters:

VOCs & SVOCs

- Data completeness
- Holding times
- System monitoring compound recovery
- Matrix spikes/matrix spike duplicates
- Blanks
- GC/MS tuning

- Calibration criteria
- Internal standards performance
- Blanks
- Internal standards performance
- Field duplicates
- Compound quantitation and reported detection limits
- Sample result verification

Inorganics

- Data completeness
- Holding times
- Calibration criteria
- Blanks
- ICP interference
- Matrix spike analysis
- Duplicate sample analysis
- Laboratory control sample analysis
- ICP serial dilution analysis
- Detection limits
- Sample result verification

Pesticides/PCBs

- Data completeness
- Holding times
- Surrogate recovery
- Matrix spike/matrix spike duplicates
- Blanks
- Calibration criteria
- Pesticide instrument performance
- Field duplicates
- TCL compound identification
- Compound quantification and reported detection limits
- Sample result verification

Two equipment blanks, EQ-1 and EQ-2, were analyzed to determine if VOCs were introduced into the sample from the sampling equipment during collection. Both equipment blanks were collected by pouring ASTM Type II water over the sampling equipment and into sample bottles. For surface soils, stainless steel spoons were used to collect samples. Methylene chloride, acetone, and toluene, were detected in both of these blanks at concentrations ranging from 1 µg/L for toluene to 16 µg/L for methylene chloride. These compounds are common laboratory contaminants and were detected in laboratory method blanks suggesting that they were introduced as laboratory contamination rather than introduced in the field.

Two trip blanks were analyzed for VOCs in conjunction with surface soil sample collection. Each trip blank consisted of two vials filled with deionized water which was previously analyzed for VOCs. The purpose of the trip blank analysis was to determine if there was cross contamination of VOCs during the shipment and handling of the field samples. The trip blanks were provided by the analytical laboratory.

Compounds detected in the trip blanks included methylene chloride, chloroform, toluene, and hexachlorobutadiene. Methylene chloride and toluene are designated as common laboratory contaminants by the USEPA (USEPA, 1988). Chloroform is a compound often produced during the chlorination process of drinking water. For chloroform and other VOCs, which are not classified as common laboratory contaminants, the 5X rule is used (USEPA, 1988). The 5X rule is used to obtain action levels which are 5 times the concentration present as contamination in the blank. For example, if trichloroethene was detected in the trip blank at 4 µg/L, an action level of 20 µg/L would be obtained by multiplying the blank concentration by five. Since chloroform and hexachlorobutadiene are not considered to be common laboratory contaminants and were detected in trip blanks, the 5X rule was used to establish action levels for associated surface soil samples. Sample concentrations of these compounds, which were detected at below action levels, were qualified as non-detect (U).

Semi-Volatile Compounds

A total of 32 surface soils, including duplicates, were collected and analyzed for SVOC contamination using USEPA Method 8270B. Concentrations of N-nitroso-di-n-propylamine for the samples SS-12, SS-12D, SS-15, SS-16, SS-17, and SS-18 were qualified as estimated (J) due to calibration problems. The percent difference between the initial calibration and continuing calibration check standard exceeded the USEPA validation criteria of 25%. This result indicates uncertainty for concentrations of this compound above the detection limit. However, this problem

had little impact on the quality of the results since all concentrations of n-nitroso-di-n-propylamine for associated samples were reported at below the detection limit. Additionally, this compound has not been identified as a contaminant of concern at the SML site.

Surrogate recoveries for the base/neutral SVOCs of the sample SS-19 were less than 10% suggesting possible matrix effects. Because of the exceptionally poor surrogate recovery, there is uncertainty of detection limit values and a low bias of positive results of associated SVOCs. Detection limit values were qualified as rejected (UR) and positive values were qualified as estimated (J). Base/neutral SVOCs include 1,3-dichlorobenzene, phenanthrene, carbazole, di-n-octylphthalate, chrysene, and 4-bromophenyl phenyl ether.

The recoveries of several internal standards were below USEPA validation limits. The observed recoveries of all internal standards were below the true standard value suggesting a matrix effect. This indicates a potential low bias for positive results of associated compounds. SVOC detections of compounds with non-compliant internal standards recoveries were qualified as estimated (J). Affected samples include SS-20, SS-22, SS-23, SS-24, SS-27, SS-28, and SS-30.

A high response of the internal standard perylene-d12 was observed for the sample SS-2 indicating a high bias for associated SVOC detections. Compounds associated with the internal standard perylene-d12 include di-n-octylphthalate, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(a)pyrene, indeno(1,2,3-cd)pyrene, dibenz(a,h)anthracene, and benzo(g,h,i)perylene. All positive results reported for these compounds were qualified as estimated (J) because of the potential high bias indicated by the internal standard response.

Laboratory method blanks were free of contamination for the majority of SVOCs. Di-n-butylphthalate was the only detected compond. This compound is classified as a common laboratory contaminant by the USEPA (USEPA, 1988). Because di-n-butylphthalate is a common laboratory contaminant, the 10X rule was applied to establish action levels which were ten times the blank concentration. Concentrations of di-n-butylphthalate detected in samples at concentrations below the action level were qualified as non-detect (U).

Two equipment blanks, EQ-1 and EQ-2, were collected in association with SVOC analyses of surface soils. There were no detections of SVOCs in either of these blanks. This indicates that decontamination efforts were effective in the removal of SVOCs to eliminate the potential of cross contamination between sampling locations.

Pesticide/PCB Compounds

A total of 35 surface soil samples were collected and analyzed for pesticide/PCB contamination using USEPA Method 8081. Results for the sample SS-24 were qualified as rejected (R) due to the holding time exceedance for the extraction (30 days). When this problem was brought to the attention of Woodard and Curran personnel, it was decided that the sample would be analyzed despite this exceedance because of the inherent long term stability of pesticide/PCBs in soil at sample storage temperatures. All results for this sample were non-detect for pesticides/PCBs.

4,4'-DDE detections for the samples SS-18D and SS-19 were qualified as estimated (J) because of 4,4'-DDT degradation into this compound when the standard was analyzed. 4,4'-DDT sometimes breaks down into 4,4'-DDE and 4,4'-DDD within the column of the gas chromatograph used for pesticide/PCB analysis. This degradation is common during gas chromatograph analysis and is caused by the excessive heat within the capillary column. Because concentrations of 4,4'-DDE in samples may be the result of 4,4'-DDT breakdown during sample analysis, detections were qualified as estimated (J). 4,4'-DDE concentrations were below the practical quantitation limit (PQL) of 4.3 ug/kg for both of these samples.

4,4'-DDT detection limit values for the samples SS-18D and SS-19 were rejected (UR) because of the complete breakdown of the 4,4'-DDT standard within the gas chromatograph column into 4,4'-DDD and 4,4'-DDE. 4,4'-DDT was not detected in either sample.

Laboratory method blanks were analyzed in association with samples analyzed for pesticide/PCBs. The purpose of analyzing method blanks was to determine if concentrations of pesticides or PCBs were introduced during the preparation and analysis of field samples. There were no pesticide/PCBs detected in any of the method blanks indicating that laboratory contamination of these compounds did not occur.

The two equipment blanks, EQ-1 and EQ-2, were analyzed for pesticides/PCBs to determine if decontamination procedures were effective in the removal of potential carryover contamination. All pesticide/PCB concentrations were non-detect. The equipment blank data indicate that contamination of pesticide/PCB compounds from the sampling equipment did not occur.

Inorganics

There were 35 surface soil samples analyzed at the laboratory for concentrations of TAL inorganics. Inductively Coupled Plasma (ICP) was used in the analysis of all elements except mercury. Mercury results were obtained using cold vapor extraction in conjunction with graphite furnace atomic absorption.

For SDG #1, there were no data qualifiers, other than non-detect (U), in association with concentrations of arsenic, beryllium, silver, thallium and vanadium. All of the quality control results associated with these elements were within acceptable validation limits.

Matrix spike samples were collected to determine the precision and accuracy of the analytical methods used to obtain inorganic concentrations. SDG #1 sample results for aluminum, antimony, manganese, and zinc were estimated (J) because matrix spike/matrix spike duplicate (MS/MSD) recoveries were outside of acceptable USEPA validation limits. The acceptable recovery range for MS/MSDs of inorganics is 75-125% (USEPA, 1989). Matrix spike recoveries are calculated by subtracting the sample result from the spiked sample result and dividing by the spike amount. If there are variations in the native concentrations of a particular element in a sample then MS/MSD recoveries can be variable. Matrix spike recoveries for aluminum, antimony, manganese, and zinc may have been non-compliant due to heterogeneous concentrations of these elements at the sampling location. Non-compliant matrix spike recoveries may also have been due to sorptive properties of the soil which prevented satisfactory recovery of the spike. Sample concentrations of aluminum, antimony, manganese and zinc were qualified as estimated (J) to reflect the uncertainty demonstrated in the matrix spike analysis.

Duplicate samples were collected to measure sampling precision and the variability of target analyte concentrations in the soil matrix. Duplicate results provide a measure of the representativeness of analyte concentrations at each sampling location. Precision of analytical results is measured through the calculation of the relative percent difference (RPD). For inorganic soil sample concentrations , the acceptable USEPA limit is an RPD of 50% or less (USEPA, 1989). Aluminum, barium, iron, lead, manganese, and zinc concentrations of SDG #1 samples were flagged as estimated (J) due to non-compliant RPD values. The non-compliant RPDs indicate heterogeneous concentrations of these elements at the sampling locations where duplicate samples were taken.

SDG #1 sample concentrations of chromium and mercury were flagged as estimated (J) because of the potential low bias to sample concentrations indicated by low standard recoveries.

Many elements were detected in laboratory method blanks associated with SDG #1 samples. In accordance with USEPA validation guidelines for inorganics (USEPA, 1989), the 5X rule was applied. Using this guideline, concentrations of elements detected in blanks were multiplied by five to establish action levels. For elements detected in laboratory method blanks, corresponding sample concentrations which were above the IDL and below the action level were qualified as non-detect (U). SDG #1 sample detections between the IDL and the action level were noted for the following elements: beryllium, potassium, and thallium.

Samples associated with SDG #2 had sample concentrations for all elements flagged as estimated (J) because none of the elements had associated QC results which met USEPA validation criteria for all parameters.

Cobalt, nickel, selenium, thallium, and vanadium concentrations for SDG #2 samples were qualified as estimated(J) because of a high recovery of the CRDL standard. This indicates a potential high bias for sample concentrations of these elements near the CRDL.

Arsenic, antimony, cadmium, chromium, lead, manganese, magnesium, silver, sodium, selenium and thallium concentrations associated with SDG #2 samples were flagged as estimated (J) because matrix spike recoveries were outside of specified USEPA validation limits.

Sample concentrations of barium, iron, and manganese were flagged as estimated (J) because the precision of the sample results, as indicated by the RPD, did not meet USEPA validation guidelines. The lack of reproducibility for duplicate concentrations of these elements is related to heterogeneity throughout the samples.

Aluminum, barium, beryllium, calcium, chromium, cobalt, copper, iron, magnesium, manganese, nickel, vanadium, and zinc concentrations of SDG #2 samples were qualified as estimated (J) due to non-compliant serial dilution results. In the serial dilution analysis, concentrations for elements present in the undiluted sample at greater than 50 times the instrument detection limit (IDL) were diluted to determine the reproducibility of the results. Under USEPA validation guidelines, the concentrations should agree within 15% of one another (USEPA, 1988). Two samples were used in the serial dilution analysis; SS-20 and SS-25. The non-compliant dilutions were observed for the previously noted elements in one or both of these samples.

Two equipment blanks, EQ-1 and EQ-2, were analyzed in association with samples from SDG #1 and SDG #2. Elements which were detected in these blanks are summarized in Table XX1.

TABLE XXI
ELEMENTS DETECTED IN SURFACE SOIL EQUIPMENT BLANKS

Element	EQ-1 Concentration (µg/L)	EQ-2 Concentration (µg/L)
Aluminum	36.8	38.1
Barium	0.21	0.36
Cadmium	ND	0.44
Calcium	83.3	226
Iron	52.4	35.4
Magnesium	25.1	59.9
Manganese	1.6	2.0
Potassium	603	478
Sodium	547	791
Vandium	0.89	0.65
Zinc	10.8	11.3

ND= not detected

Equipment blank data provided an indication of the efficiency of decontamination procedures. Concentrations of elements listed in Table XX1 represent residual contamination that carried over from previous surface soil sampling activities. During validation, the 5X rule was not applied as it was with contaminants detected in laboratory method blanks. The action levels which were used as the basis for qualification of the sample concentrations are identical to the concentrations at which inorganic contaminants were detected in equipment blanks. The conversion of aqueous equipment blank concentrations to soil concentrations involves adjustments to allow for dilutions and dry weight conversions. The conversion process results in action levels for inorganic soil samples which are identical to aqueous blank contaminant concentrations. Associated sample concentrations of elements detected in the equipment blanks, which were below action levels, were qualified as non-detect (U).

Surface Soil Usability Summary

In general, the surface soil data is of sufficient quality to meet its intended use (see Table XXX). Exceptions to this include the pesticide/PCB data for the sample SS-24 which was rejected due to holding time exceedances and SVOC detection limit values for base/neutral compounds associated with the sample SS-19 which were rejected because of inordinately low surrogate recoveries. There were a few minor problems with matrix interferences and internal standard recoveries but these should not exclude the use of these data for site characterization, risk assessment, and engineering design.

1.2 SEDIMENTS

The following data quality assessment for sediment samples is presented by analytical method. Sediment samples were analyzed for VOCs, SVOCs, pesticides/PCBs, and inorganics. All sediment samples were analyzed in association with SDG #3.

VOCs

Five sediment samples were collected and analyzed for VOC contamination. These samples were identified as SD-6, SD-8, SD-9, SD-9D, and SD-12.

All VOC detections and detection limit values were qualified as estimated (J and UJ, respectively) due to non-compliant surrogate recoveries and internal standard responses. Recoveries of the surrogate BFB were below USEPA validation limits for all samples. USEPA validation guidelines specify an internal standard response stability factor of -50 to 100% for all VOC internal standards (USEPA, 1988). The internal standard response stability factor for dichlorobenzene was below this limit for all samples. The surrogate recovery data and internal standard performance suggest a potential matrix effect in which VOC concentrations are biased low.

Several VOCs were detected in laboratory method blanks associated with the sediment samples. Some of the detected VOCs, such as methylene chloride, 2-butanone, acetone, and toluene, are classified as common laboratory contaminants by the USEPA (USEPA, 1988). Concentrations of these compounds ranged from 1 µg/L for toluene to 6 µg/L for acetone. The 10X rule (USEPA, 1988) was applied to establish action levels at ten times the blank concentrations for all of these compounds. Concentrations of common laboratory contaminants reported in samples at below action levels were qualified as non-detect (U). Many other VOCs including such compounds as

benzene, tetrachloroethene, chlorobenzene, isopropylbenzene, n-propylbenzene, bromobenzene, ethylbenzene, m/p-xylene, 1,3-dichlorobenzene, and 2-chlorotoluene were also detected in associated laboratory method blanks at a concentration of 1 µg/L. The 5X rule (USEPA, 1988) was applied to adjust action levels to 5 µg/L for all VOCs except those defined as "common laboratory contaminants" by the USEPA (USEPA, 1988). Sample concentrations of these VOCs in which were below the action level were qualified as non-detect (U).

Two equipment blanks were collected and analyzed in association with sediment sampling activities. These blanks are EQ-3 and EQ-4. Equipment blanks associated with the sediment sampling effort were collected in an identical fashion to that used for surface soil sampling. ASTM Type II water was poured over the stainless steel spoon used to collect the samples and into the sample bottles. VOCs detected in these blanks included methylene chloride, toluene, m/p-xylene, 2-chlorotoluene, 1,3-dichlorobenzene, hexachlorobutadiene, and tetrahydrofuran. All of these compounds, with the exception of tetrahydrofuran, were detected in laboratory method blanks. Their presence in equipment blanks is attributed to laboratory contamination rather than introduction from field sampling equipment. The 5X rule (USEPA, 1988) was used to obtain an action level for sample concentrations of tetrahydrofuran. Associated sample concentrations of tetrahydrofuran which were reported at below the action level were qualified as non-detect (U).

Two trip blanks were analyzed for VOCs in conjunction with sediment sample collection. Each trip blank consisted of two vials of previously analyzed deionized water. The purpose of the trip blank analysis was to determine if there cross contamination of VOCs during the shipment and handling of the field samples. Trip blanks were provided by the analytical laboratory.

Compounds detected in the trip blanks include methylene chloride, chloroform, toluene, and hexachlorobutadiene. Methylene chloride and toluene are designated as common laboratory contaminants by the USEPA (USEPA, 1988). The 10X rule (USEPA, 1988) established action levels for these compounds which were 10 times the trip blank concentrations. Action levels were used as criteria for blank correction of the data. All sample detections of methylene chloride and toluene which were below the action level were flagged as non-detect (U). The 5X rule (USEPA, 1988) was used to obtain action levels of 5 times the concentration detected in the trip blank for chloroform and hexachlorobutadiene. Sample concentrations of these compounds which were below action levels were qualified as non-detect (U).

SVOCs

Twenty-one sediment samples were analyzed for SVOC contamination. These samples are SD-2 through SD-20. Duplicates were collected at the SD-2 and SD-9 sediment sampling locations. As described in section 1.0, there were conflicting holding time requirements for the SVOC extractions. All SVOC sample results would have been flagged as estimated (J) during validation because the USEPA validation holding time had been exceeded. These flags were not added to the data set, as presented in this report, since SVOC holding times specified in the USEPA approved, site specific QAPP had not been exceeded.

For the samples SD-6 and SD-9, pyrene concentrations were qualified as estimated (J) because of non-compliant matrix spike recoveries. Matrix spike recoveries of pyrene were above USEPA vaidation recovery limits for these samples suggesting a high bias for sample concentrations. SD-6 had a reported pyrene concentration of 46 µg/kg while the pyrene concentration for SD-9 was 41 µg/kg. Both of these concentrations are below CRDL values.

A low response was obtained for the internal standards chrysene-d12 and perylene-d12 during the analysis of the sample SD-5. Internal standards are compounds which have similar chemical properties to the compounds associated with them. A low response for one of these standards indicate a low bias for associated compounds. As a result, detections of SVOCs associated with chrysene-d12 and perylene-d12 for SD-5 were flagged as estimated (J). Qualified SVOCs associated with these internal standards include pyrene, butylbenzyl phthalate, 3,3'-dichlorobenzidine, benzo(a)anthracene, bis(2-ethylhexyl)phthalate, chrysene, di-n-octyl phthalate, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(a)pyrene, indeno(1,2,3-cd)pyrene, dibenz(a,h)anthracene, and benzo(g,h,i)perlene.

Laboratory method blanks were non-detect for the majority of SVOCs. Diethylphthalate was detected in one blank at a concentration of 47 µg/L. Several samples had detections of this compound at concentrations below the action level of 470 µg/kg. All of these detections were qualified as non-detect (U) The method blank data indicate that laboratory contamination of SVOCs was not extensive.

Two equipment blanks, EQ-3 and EQ-4, were also collected in association with sediment samples. Most target SVOCs were not detected in either blank. Bis(2-ethylhexyl)phthalate was detected in both blanks and hexachloroethane was detected in EQ-4. Bis(2-ethylhexyl)phthalate, as stated previously, is considered by the USEPA to be a common laboratory contaminant. This compound

was detected in several sediment samples at concentrations below the action level. All of these detections were qualified as non-detect (U). Hexachloroethane, although detected in one equipment blank, was not detected in any of the associated samples. Detections below the action level would have been qualified as non-detect (U). The equipment blank data indicate that decontamination procedures were effective in the removal of potential SVOC contamination.

Pesticides/PCBs

A total of 21 sediment samples were analyzed for pesticides/PCBs. These samples are SD-2 through SD-20. Duplicate samples were collected at SD-2 and SD-9.

All sediment pesticide/PCB results would have been qualified as estimated (J) because the validation holding time of 7 days had been exceeded. Qualifiers were not applied to the data set since the 14 day holding time specified in the USEPA approved, site specific QAPP had not been exceeded (see Section 1.0).

The majority (76%) of sediment pesticide/PCB results were unqualified. Positive results of 4,4'-DDD and 4,4'-DDE were qualified as estimated (J) for the samples SD-2, SD-3, SD-11, and SD-20. This was due to the degradation of DDT standard into 4,4'-DDD and 4,4'-DDE within the gas chromatograph used for the analysis. 4,4'-DDE detections for SD-2, SD-3, SD-11, and SD-20 were all below adjusted PQLs.

4,4'-DDT detection limit values were qualified as rejected (UR) for the samples SD-2, SD-3, SD-11, and SD-20. This was due to breakdown of the 4,4'-DDT standard within the gas chromatograph used in the pesticides/PCB analyses. 4,4'-DDT was not detected after a standard containing only that compound was analyzed. The standard had broken down into 4,4'-DDE and 4,4'-DDD. Because of the uncertainty associated with being able to detect 4,4-DDT, results were qualified as rejected (R).

Pesticide/PCBs were not detected in laboratory method blanks associated with the sediment samples. This indicates that reported sample concentrations of pesticide/PCB compounds are not the result of laboratory contamination.

Analysis of the two equipment blanks, EQ-3 and EQ-4, was completed to evaluate if concentrations of pesticide/PCB compounds were introduced from the sampling equipment as carry-over contamination. Trace levels of 4,4'-DDT and Endosulfan II were detected in these

blanks. The 5X rule (USEPA, 1988) was applied to obtain action levels. Detections in samples below the action level would have been qualified as non-detect (U), however there were no samples for which this applied. The equipment blank data indicate that contamination of pesticide/PCB compounds from sampling equipment did not occur.

Inorganics

There were 21 sediment samples analyzed for concentrations of inorganics. These samples are SD-2 through SD-20. Duplicate samples were collected at SD-2 and SD-9.

There were no data qualifier assignments other than non-detect (U) for sample concentrations of lead and silver because validation criteria had been met for all quality control parameters.

Positive values for antimony, arsenic, and magnesium were flagged as estimated (J) for all samples because of matrix spike recoveries which were outside of the acceptable validation recovery range. The sample SD-6 was used for the matrix spike analysis. Matrix spike recoveries of arsenic and antimony were below the USEPA validation acceptance limit of 75% (USEPA, 1989) while the matrix spike recovery for magnesium exceeded the 125% upper limit. Results for these elements may have been the result of uneven distributions in the sample. Matrix spike results for arsenic and antimony suggest a low bias for sample concentrations. The matrix spike results for magnesium suggest a high bias for sample concentrations.

Positive values for arsenic, iron, manganese and sodium were flagged as estimated (J) for all samples because precision goals were not obtained for duplicate sample results. For duplicate inorganic sediment concentrations, the relative percent difference should be 50% or less (USEPA, 1989). The RPD values of duplicate sample concentrations for arsenic, iron, manganese, and sodium exceeded this value. Concentrations of these elements were qualified as estimated (J) because of the variability demonstrated with the duplicate analysis.

Positive and detection limit values for aluminum, barium, chromium, cobalt, nickel, vanadium, and zinc were qualified as estimated (J) based on serial dilution analysis. Concentrations of elements in an undiluted sample were compared to values obtained after a serial dilution was performed. The USEPA validation criteria was a percent difference of no more than 15% between values (USEPA, 1989). Percent differences obtained for the serial dilution analysis were based on results obtained using the sample SD-6. Percent difference exceedances ranged from 16% for aluminum to 23% for zinc.

Inorganic concentrations which were reported at below the CRDL but above the IDL were qualified as estimated (J) to indicate the uncertainty of the calibrations at lower concentrations. The elements affected include beryllium, cadmium, calcium, copper, mercury, potassium, and thallium.

Several laboratory method blanks were analyzed to determine whether concentrations of target elements were introduced at the laboratory during the preparation and analysis of samples. The 5X rule (USEPA, 1988) was used to establish action levels for elements detected in the method blanks. Action levels were obtained by multiplying the concentration of the inorganic blank detection by five. Sample concentrations of elements detected in associated method blanks which above the IDL but below the action level were flagged as non-detect (U). The use of this qualifier eliminates data which is representative of interference created during the analytical process. Elements which had positive detections (qualified as "U") below the action level for several samples include beryllium, mercury, potassium, thallium, and zinc.

Two equipment blanks, EQ-3 and EQ-4, were collected to determine if concentrations of elements were introduced from the sampling equipment. Elements which were detected in these blanks are summarized in Table XX2.

TABLE XX2
ELEMENTS DETECTED IN SEDIMENT EQUIPMENT BLANKS

Element	EQ-3 Concentration (µg/L)	EQ-4 Concentration (µg/L)
Aluminum	ND	96.2
Barium	0.63	0.83
Beryllium	0.15	0.23
Calcium	170	168
Iron	16.5	35.1
Magnesium	43.9	42.1
Manganese	0.65	0.95
Mercury	0.11	ND
Potassium	456	643
Sodium	336	162
Vandium	0.63	0.48
Zinc	6.9	14.0

ND= not detected

The equipment blank data provide information relative to the effectiveness of decontamination procedures. The concentrations presented in Table XX2 represent residual contamination from the sampling equipment. The 5X rule was not used to establish action levels. The action levels which were used as the basis for qualification of the sample concentrations are identical to the concentrations at which inorganic contaminants were detected in equipment blanks. The conversion of aqueous equipment blank concentrations to soil concentrations involves adjustments to allow for dilutions and dry weight conversions. The conversion process resulted in action levels for inorganic soil samples which are identical to aqueous blank contaminant concentrations. Associated sample concentrations of elements detected in the equipment blanks which were below action levels were qualified as non-detect (U). All concentrations of elements detected in EQ-3 and EQ-4 are below CRDLs and represent trace levels of contamination. The equipment blank data indicate that gross contamination of inorganics from the sampling equipment did not occur.

Sediment Data Usability Summary

In summary, the quality of the data obtained for the sediment samples was satisfactory to be used for site characterization, risk assessment, and engineering design as outlined in the USEPA approved, site specific QAPP (see Table XXX). For VOCs, there were problems with low surrogate and internal standard response suggesting a low bias to sample VOC concentrations. The recoveries of SVOC internal standards were low for the sample SD-5 indicating a potential low bias for concentrations of some polyaromatic hydrocarbons (PAHs). For pesticide/PCB analyses, detection limit values for 4,4'-DDT were rejected due to the breakdown of the standard within the analytical instrumentation into 4,4'-DDD and 4,4'-DDE. For inorganics, the results for many elements were qualified as estimated (J) because of matrix effects and non-compliant duplicate precision. Elements for which associated samples were qualified as estimated (J) due to matrix spike recovery problems include antimony, arsenic, and magnesium. Elements which were flagged as estimated (J) because of non-compliant duplicate results include arsenic, iron, manganese, and sodium.

1.3 SURFACE WATERS

The following data assessment for surface water samples is segregated by chemical class. Surface water samples were analyzed for VOCs, SVOCs, pesticides/PCBs, and inorganics. All surface water samples were analyzed in association with SDG #4.

VOCs

A total of ten surface water samples were collected and analyzed during the field sampling effort. These samples are SW-2, SW-2D, SW-6, SW-7, SW-8, SW-9, SW-9D, SW-16, SW-17, and SW-18.

None of the surface water VOC concentrations were qualified as estimated (J) or rejected (R). USEPA validation quality control requirements (see Section 4.5)were satisfied for all quality control parameters.

Several target VOCs were detected in laboratory method blanks. A partial list of detected VOCs includes such compounds as methylene chloride, toluene benzene, tetrachloroethane, ethylbenzene, styrene, 1,1,2,2-tetrachloroethane, isopropylbenzene, and 2-chlorotoluene. Detections of these compounds in laboratory method blanks are representative of contamination introduced by the laboratory during preparation and analysis of samples. Methylene chloride, and toluene have been identified as common laboratory contaminants by the USEPA (USEPA, 1988). The 10X rule was applied to establish action levels which were ten times the concentration of method blank detections. Surface water sample concentrations of methylene chloride and toluene which were below corresponding action levels were qualified as non-detect (U). For compounds which are not classified as common laboratory contaminants, the 5X rule was applied (USEPA, 1988). VOCs not classified as common laboratory contaminants were detected in the method blanks at a concentration of 1 µg/L so corresponding action levels were 5 µg/L. Concentrations of these VOCs represent trace levels of contamination introduced at the laboratory. Surface water sample concentrations of VOCs detected in method blanks which were below corresponding action levels were qualified as non-detect (U).

Equipment blanks were not necessary in conjunction with the surface water sampling effort because no equipment was used to collect the samples. All sample containers were filled directly with surface water as grab samples.

Two trip blanks, TB-1 and TB-2, were used to determine if there was cross contamination of VOCs during the shipment and handling of field samples. Trip blanks consisted of vials of previously analyzed deionized water. The trip blanks were provided by the analytical laboratory. A pair of trip blank vials was assigned to accompany each cooler of samples analyzed for VOCs. Trip blanks were placed in the cooler before the daily sampling effort began and remained until the samples were submitted to the analytical laboratory.

Compounds detected in the trip blanks included methylene chloride, chloroform, toluene, and hexachlorobutadiene. Methylene chloride and toluene are designated as common laboratory contaminants by the USEPA (USEPA, 1988). The 10X rule (USEPA, 1988) was used to establish action levels ten times the concentrations of methylene chloride and toluene detected in the trip blanks. The 5X rule (USEPA, 1988) was used to obtain action levels of 5 times the concentration present in the trip blank for chloroform and hexachlorobutadiene. Sample concentrations of these compounds below action levels were qualified as non-detect (U).

SVOCs

A total of 19 surface water samples were collected and analyzed for SVOC contamination. These samples are SW-2, SW-2D, SW-3, SW-4, SW-5, SW-6, SW-7, SW-8, SW-9, SW-9D, SW-10, SW-11, SW-13, SW-14, SW-15, SW-16, SW-17, SW-18, and SW-20.

The majority of surface water samples (90%) did not have estimated (J) or rejected (R) qualifiers applied to sample concentrations. USEPA validation requirements were satisfied for all quality control parameters associated with these samples.

Acid fraction SVOC results associated with the sample SW-6 were qualified as rejected (UR) for detection limit values and estimated (J) for positive values because associated surrogate recoveries were less than 10%. Low surrogate recoveries suggest a low bias for acid fraction sample concentrations. Acid fraction SVOCs include phenol, 2-chlorophenol, benzyl alcohol, 2-methylphenol, 4-methylphenol, 2-nitrophenol, 2,4-dimethylphenol, benzoic acid, 2,4-dichlorophenol, 4-chloro-3-methylphenol, 2,4,6-trichlorophenol, and 2,4,5-trichlorophenol.

Internal standard performance criteria are used to evaluate instrument sensitivity and response for every analytical run. USEPA validation recovery limits specify that the area counts for an internal standard must not vary more than -50 to 100% from the area counts observed for the associated standard (USEPA, 1988). SVOCs associated with the internal standard phenanthrene-d10 were qualified as estimated (J) for the sample SW-8. The response for phenanthrene-d10 was 101% recovery of the standard. Affected compounds include 4,6-dinitro-2-methylphenol, n-nitrosodiphenylamine, 4-bromophenyl phenyl ether, hexachlorobenzene, pentachlorophenol, phenanthrene, carbazole, anthracene, di-n-butyl phthalate, and fluoranthene.

Laboratory method blanks were analyzed to determine if SVOCs were introduced during the preparation and analysis of the surface water samples. The only compound detected in these blanks was bis(2-ethylhexyl)phthalate. Bis(2-ethylhexyl)phthalate has been classified as a common laboratory contaminant by the USEPA (USEPA, 1988). This compound was detected in one method blank at a concentration of 5 µg/L. The 10X rule was applied, and an action level of 50 µg/L was established. Surface water sample concentrations of bis(2-ethylhexyl)phthalate which were below 50 µg/L were qualified as non-detect (U).

Pesticides/PCBs

A total of 19 surface water samples were collected and analyzed for concentrations of pesticide/PCB compounds. These include the samples SW-2, SW-2D, SW-3, SW-4, SW-5, SW-6, SW-7, SW-8, SW-9, SW-9D, SW-10, SW-11, SW-13, SW-14, SW-15, SW-16, SW-17, SW-18, and SW-20.

There were no samples analyzed for pesticides/PCBs which were qualified as estimated (J or UJ) or rejected (R or UR). The quality control results of all parameters met USEPA validation acceptance criteria for all samples.

There were no detections of pesticide/PCB compounds in any of the laboratory method blanks. This indicates that there were no concentrations of these compounds introduced as a result of laboratory contamination.

Inorganics

A total of 19 surface water samples were collected and analyzed for inorganics. These samples include SW-2, SW-2D, SW-3, SW-4, SW-5, SW-6, SW-7, SW-8, SW-9, SW-9D, SW-10, SW-11, SW-13, SW-14, SW-15, SW-16, SW-17, SW-18, and SW-20.

Concentrations of aluminum, arsenic, cobalt, lead, selenium, silver, and thallium were qualified as estimated (J) for all samples because of a high response of the CRDL standard. A high instrument response to standards containing these elements indicate a high bias to sample concentrations.

Method blanks were analyzed to determine if concentrations of inorganics were introduced during the preparation and analysis of surface water samples. Elements detected in the method blanks included aluminum, barium, beryllium, cadmium, iron, magnesium, manganese, potassium,

thallium, vanadium, and zinc. The 5X rule (USEPA, 1988) was used to establish action levels. Sample concentrations of elements detected in method blanks which were below action levels were qualified as non-detect (U).

Surface Water Data Usability Summary

The data associated with the SML surface water samples was of satisfactory quality to be used for the applications specified in the USEPA approved, site specific QAPP(see Table XXX). This includes uses such as site characterization, risk assessment, and engineering design.
There were few quality control problems associated with this data. Quality control results indicate that there were no system or matrix interferences which would seriously affect the integrity of reported sample concentrations. VOC and pesticide/PCB results were left unqualified with the exception of non-detect (U) concentrations. SVOCs associated with the internal standard phenanthrene-d8 were qualified as estimated (J) for the sample SW-8 due to a high instrument response. Estimated (J) qualifiers reflect a potential high bias to associated sample SVOC concentrations for this sample. Detection limit values were flagged as rejected (UR) and positive results were flagged as estimated (J) for acid fraction SVOCs associated with the sample SW-6 because of low surrogate recovery. Concentrations of several elements were flagged as estimated (J) due to a high instrument response to the CRDL standard.

1.4 GROUNDWATER

The following data quality assessment for groundwater samples was segregated by chemical class. Analyses were completed for VOCs, SVOCs and inorganics. SML groundwater samples were not analyzed for pesticide/PCBs. Groundwater samples were submitted to the laboratory as SDGs #5, 6, and 7. Samples associated with SDG #5 include MW-95-01R, MW-95-04R, MW-95-04RDUP, MW-95-07R, and MW-95-08R. Samples associated with SDG #6 include MW-93-01, MW-93-03, MW-93-04, MW-93-05, MW-93-07, MW-95-01S, MW-95-02S, MW-95-02SDUP, MW-95-04RDEEP, MW-95-04SA, MW-95-04SB, MW-95-05R, MW-95-06R, MW-95-06S, MW-95-07S, MW-95-08S, MW-95-09S, MW-95-09SDUP, and MW-95-11S. The only sample associated with SDG #7 is MW-95-03S.

VOCs

A total of 26 groundwater samples were collected and analyzed during the field sampling event. Groundwater samples were collected from the following monitoring wells and piezometers: MW-

93-03, MW-93-01, MW-93-04, MW-93-05, MW-93-07, MW-95-01S, MW-95-01R, MW-95-11S, MW-95-02S, MW-95-02SDUP, MW-95-03S, MW-95-04R, MW-95-04RD, MW-95-04RDEEP, MW-95-04SA, MW-95-04SB, MW-95-05R, MW-95-06R, MW-95-06S, MW-95-07R, MW-95-07S, MW-95-08R, MW-95-08S, MW-95-09S, MW-95-09SDUP, and PZ-2D.

There were no qualifiers other than non-detect (U), associated with the majority of the groundwater VOC data. The detection limit values for dichlorodifluoromethane were rejected for all groundwater samples due to extremely low calibration response values. Low calibration response factors may be indicative of reduced instrument sensitivity. Dichlorodifluoromethane results were rejected (UR) because of the potential for false negative results indicated by the calibration response values.

Laboratory method blanks were analyzed to determine if there were concentrations of VOCs introduced into samples at the laboratory. Compounds which were detected in method blanks associated with groundwater samples include methylene chloride, 2-butanone, acetone, toluene, chloroform, tetrachloroethene, naphthalene, and 1,2-dichloroethane. Methylene chloride, 2-butanone, acetone, and toluene are designated as common laboratory contaminants by the USEPA (USEPA, 1988). The 10X rule (USEPA, 1988) was used to obtain action levels for samples with detections of these contaminants. Sample concentrations of these compounds which were below the action level were qualified as non-detect (U). The 5X rule (USEPA, 1988) was used to obtain action levels for all VOCs not considered to be common laboratory contaminants. These include naphthalene, tetrachloroethene and 1,2-dichloroethane. These compounds were detected at 1 µg/L in method blanks, therefore corresponding action levels were 5 µg/L Sample concentrations of naphthalene, tetrachloroethene, and 1,2-dichloroethane which were detected below the action level were flagged as non-detect (U).

Two equipment blanks, EQ-5 and EQ-6, were collected to determine if VOC concentrations were introduced from the sampling equipment during sample collection. Equipment blank data provide information as to the effectiveness of decontamination procedures. The equipment blank was collected by pouring ASTM Type II water into a PVC pipe. The intake of the Grundfos pump was put into the PVC pipe and roughly 4 gallons of deionized water were run through the pump before the blank samples were collected The Grundfos pump was decontaminated prior to collection of equipment blank samples. VOCs which were detected in EQ-5 and EQ-6 include methylene chloride, acetone, and tetrachloroethene. These compounds were also detected in laboratory method blanks. The detection of methylene chloride, acetone and tetrachloroethene are attributed to

laboratory contamination rather than contamination from the sampling equipment. The equipment blank data indicate that decontamination procedures were effective in the removal of VOCs.

Several trip blanks were collected to determine if there was cross contamination of VOCs between samples during shipment and handling. Trip blanks analyzed in association with groundwater samples included TB-10, TB-11, TB-12, TB-13, TB-14, TB-15, TB-16, TB-17, and TB-18. Trip blanks consisted of vials of previously analyzed deionized water. Contaminant VOCs which were detected in associated trip blanks include methylene chloride, acetone, toluene, naphthalene, chloromethane, tetrachloroethene, and 1,2-dichloroethane. All of these compounds, except chloromethane, were also detected in method blanks indicating that they were introduced as laboratory contamination. Chloromethane was detected in one trip blank, TB-18, at 1 µg/L. The 5X rule (USEPA, 1988) was used to establish an action level of 5 µg/L. Chloromethane detections in the associated sample, MW-953S, were qualified as non-detect (U) because of the trip blank contamination. Overall, however, the trip blank data indicate that cross-contamination of VOCs between samples did not occur.

A field blank consisting of source water that was used for drilling and decontamination activities was analyzed for VOCs. The purpose of the field blank analysis was to obtain baseline values for target analytes which were present in the water used to decontaminate drilling and sampling equipment. The field blank consisted of municipal drinking water which was filled into a plastic holding tank. The field blank was collected from a spigot coming from this holding tank. VOCs which were detected in the field blank include methylene chloride, chloroform, and bromodichloromethane. Methylene chloride and chloroform were detected in laboratory method blanks indicating that these compounds were introduced as laboratory contamination. Bromodichloromethane was detected at a concentration of 1 µg/L. The 5X rule (USEPA, 1988) was used to obtain an action level of 5 µg/L. Sample concentrations below this action level were qualified as non-detect (U).

SVOCs

A total of 25 groundwater samples were collected and analyzed for concentrations of SVOCs. Sample locations included the following monitoring wells: MW-93-03, MW-93-01, MW-93-04, MW-93-05, MW-93-07, MW-95-01S, MW-95-01R, MW-95-11S, MW-95-02S, MW-95-02SDUP, MW-95-03S, MW-95-04R, MW-95-04RDUP, MW-95-04RDEEP, MW-95-04SA, MW-95-04SB, MW-95-05R, MW-95-06R, MW-95-06S, MW-95-07R, MW-95-07S, MW-95-08R, MW-95-08S, MW-95-09S, and MW-95-09SDUP.

The majority of the groundwater SVOC data were not qualified with estimated (J) or rejected (R) qualifiers. The detection of 2-methylnaphthalene for MW-95-04RDUP was qualified as estimated (J) because the percent difference between the initial calibration and the continuing calibration was greater than 25 percent.

Low acid fraction surrogate recoveries were observed for several samples. These samples are MW-95-01S, MW-95-02S, MW-95-04SA and MW-95-05. The low surrogate recoveries suggest a low bias of sample concentrations of associated acid fraction SVOCs. Acid fraction SVOC concentrations associated with the samples MW-95-01S and MW-95-02S were flagged as rejected (UR) for detection limit values and as estimated (J) for positive detections. Detection limit values were rejected for these samples because the surrogate recoveries were less than 10%. All acid fraction SVOC concentrations associated with the samples MW-95-04SA and MW-95-05 were flagged as estimated (J).

Laboratory method blank analysis was completed to determine if concentrations of SVOCs were introduced during the preparation and analysis of samples. Bis(2-ethylhexyl)phthalate was detected in one blank at 8 µg/L. Diethylphthalate was detected in one method blank at 1 µg/L. Because both of these compounds are considered to be common laboratory contaminants by the USEPA (USEPA, 1988), the 10X rule was used to establish action levels of 80 µg/L and 10 µg/L, respectively. Concentrations of these compounds detected in associated samples were flagged as non-detect (U). The method blank data indicate that extensive laboratory contamination of target SVOCs did not occur.

Two equipment blanks, EQ-5 and EQ-6, were collected and analyzed, to determine if concentrations of SVOCs were introduced from the sampling equipment. The procedure for collecting equipment blanks associated with groundwater samples is discussed in the VOC subsection of Section 1.4. There were no SVOCs detected in EQ-5. SVOCs which were detected in EQ-6 included bis(2-ethylhexyl)phthalate, indeno(1,2,3-cd)pyrene, dibenzo(a,h)anthracene and benzo(g,h,i)perylene. Bis(2-ethylhexyl)phthalate is considered to be common laboratory contaminant by the USEPA (USEPA, 1988). The 10X rule was used to establish an action level of 10 times the concentration detected in the equipment bank. Concentrations of bis(2-ethylhexyl)phthalate below the action level for the associated samples were flagged as non-detect (U). Detections of indeno(1,2,3-cd)pyrene, dibenzo(a,h)anthracene, and benzo(g,h,i)perylene represent contamination from the sampling equipment. The concentration at which these compounds were detected in EQ-6 was 3 µg/L. The 5X rule (USEPA, 1988) was used to

establish an action level of 15 µg/L. Detections of indeno(1,2,3-cd)pyrene, dibenz(a,h)anthracene, and benzo(g,h,i)perylene were below this action level and were flagged as non-detect (U) because of contamination in the associated equipment blank. Overall, the equipment blank data indicate that extensive contamination of SVOCs from the sampling equipment did not occur.

A field blank, which consisted of water used for drilling and decontamination operations, was collected and analyzed for SVOC contamination. Field blank data provide baseline concentrations of target analytes which could potentially contribute to sample concentrations. The method by which this was collected is described in the VOC subsection of Section 1.4. The only SVOC detected in the field blank was bis(2-ethylhexyl)phthalate. This was previously identified as a lab contaminant detected in associated laboratory method blanks. The field blank data indicate that the water used for decontamination operations did not contain concentrations of SVOCs above the PQL.

Inorganics

A total of 25 groundwater samples were collected and analyzed for concentrations of inorganics.. The data assessment for inorganics is discussed by SDG because validation qualifiers were assigned on a per element basis rather than on a per sample basis as with the SVOC and VOC discussions. Total and dissolved concentrations of elements were obtained for the sample MW-93-01 because of the relatively high suspended solids in the groundwater from this well.

For SDG #5, there were no estimated (J) or rejected (R) qualifiers applied to sample concentrations of antimony, cadmium, nickel, silver, or sodium.

Positive values of sample concentrations of aluminum were qualified as estimated (J) because of the non-compliant results from the serial dilution analysis.

All arsenic concentrations were flagged as estimated (J and UJ) due to non-compliant recoveries of the CRDL standard and non-compliant negative blanks.

Positive and detection limit values were qualified as estimated (J and UJ, respectively) for concentrations of lead, selenium, thallium and zinc. Estimated (J) qualifiers were applied because the recoveries of the respective standards of these elements were not within 20% of their true values.

All concentrations of magnesium and manganese associated with samples from SDG #5 were flagged as estimated (J and UJ) because of serial dilution reproducibility results did not meet USEPA validation specifications (USEPA, 1988).

Detection limit values for chromium and potassium were qualified as rejected (UR) due to negative blank results. The results were rejected because the negative blank results for these elements indicate a potential for false negative results.

Mercury and cyanide concentrations were qualified as estimated (J and UJ) because of matrix spike recoveries which were not within the 75 to 125% acceptance limit specified by USEPA validation guidelines.

Detections of elements which were between the instrument detection limit (IDL) and the CRDL were qualified as estimated (J) to reflect the uncertainty of respective calibrations at these low concentrations. Affected elements include barium, beryllium, calcium, chromium, cobalt, copper and iron.

Laboratory method blanks were analyzed in conjunction with SDG# 5 samples to determine if introductions of target elements were made during the preparation and analysis of samples. The 5X rule (USEPA, 1988)was used to establish action levels for elements which were detected in these blanks. Detections of elements which were below the action level were flagged as non-detect (U). Method blank contaminants which were detected in samples below the action level and were flagged as non-detect (U) include aluminum, beryllium, cadmium, copper, lead, and mercury.

SDG #6 sample concentrations of the following elements which were not qualified as estimated (J) or rejected (R) include: aluminum, calcium, iron, manganese, mercury, silver, and zinc. USEPA validation criteria were met for all quality control parameters associated with these elements.

Positive results and detection limit values for the following elements were qualified as estimated (J and UJ, respectively) as a result of non-compliant CRDL standard recoveries: arsenic, lead, magnesium, selenium, and thallium. The percent differences between the CRDL standard recovery values and the true standard values were greater than 20% indicating uncertainty of sample concentrations for these elements.

Sample detections of elements which were between the IDL and the CRDL were flagged as estimated (J) to reflect the uncertainty of the respective calibrations at these low concentrations.

Affected elements include antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, magnesium, nickel, potassium, sodium, thallium, and vanadium.

The detection limit value for copper was qualified as rejected (UR) for the sample MW-93-07 because non-compliant negative blank results were obtained. The negative blank results indicate the potential for false negative copper results for the associated sample MW-93-07.

Laboratory control sample results for cyanide were below USEPA validation acceptance limits (USEPA, 1988) indicating a potential low bias for sample concentrations. As a result, positive and detection limit concentrations of cyanide were flagged as estimated (J and UJ, respectively).

Laboratory method blanks associated with SDG #6 samples were analyzed to determine whether introductions of target elements were made during the preparation and analysis of samples. Elements which were detected in these blanks include aluminum, chromium, cobalt, iron, nickel, selenium, silver, sodium, vanadium, and zinc. Action levels were established by application of the 5X rule (USEPA, 1988). Concentrations of elements detected in blanks which were detected in samples at concentrations below respective action levels were qualified as non-detect (U). Associated sample detections of inorganics at concentrations less than action levels are therefore eliminated and are not misinterpreted to be actual sample concentrations.

SDG #7 sample concentrations of the following elements were unqualified, except for non-detect (U) flags: beryllium, mercury, potassium, and thallium. USEPA validation criteria were met for all quality control parameters associated with these elements.

The percent difference between the observed CRDL standard concentration and the true standard concentration exceeded the USEPA validation acceptance limit of 20% (USEPA, 1988) for the following elements: arsenic, cadmium, cobalt, lead, nickel, selenium, vanadium, and zinc. The results suggest a potential high bias to sample concentrations of these elements. As a result, positive and detection limit values for these elements were flagged as estimated (J and UJ, respectively).

Matrix spike recoveries were out of compliance for the following elements: antimony, arsenic, chromium, selenium, silver, and vanadium. Recoveries for all of these elements were below the USEPA validation acceptance range of 75-125% (USEPA, 1988) suggesting a potential matrix effect which could bias sample concentrations low. For antimony, arsenic, and silver, detection

limit values were rejected (UR) because matrix spike recoveries were exceptionally low. Detection limit values for chromium, silver and vanadium were flagged as estimated (UJ).

All detections of elements between the IDL and CRDL were flagged as estimated (J) to indicate the uncertainty of respective calibrations at these low concentrations. Elements which were detected at this concentration in the sample MW-95-03S include barium, copper and cyanide.

Laboratory method blanks were analyzed in association with the SDG #7 sample to determine if concentrations of target analytes were introduced during the preparation and analysis of samples. The 5X rule (USEPA, 1988) was used to establish action levels for elements detected as contamination in these blanks. Elements detected in associated method blanks include aluminum, barium, beryllium, calcium, cadmium, manganese, nickel, vanadium, and zinc. Detections of these elements in the sample MW-95-03S which were below respective action levels were qualified as non-detect (U).

Two equipment blanks, EQ-5 and EQ-6, were collected and analyzed in association with SDGs 5, 6, and 7 to determine whether concentrations of inorganics were introduced from the sampling equipment. Elements which were detected in these blanks are summarized in Table XX3.

TABLE XX3
ELEMENTS DETECTED IN THE GROUNDWATER EQUIPMENT BLANK

Element	EQ-5 Concentration (µg/L)	EQ-6 Concentration (µg/L)
Aluminum	28.4	90.2
Barium	0.73	1.2
Beryllium	0.17	ND
Calcium	119	265
Cobalt	ND	0.63
Copper	1.4	ND
Iron	27.5	42
Lead	1.6	ND
Magnesium	ND	103
Manganese	ND	4.7
Mercury	0.17	ND
Nickel	ND	2.4
Selenium	ND	5.8
Sodium	141	485
Vanadium	ND	0.64
Zinc	86.2	19

ND= not-detected

The equipment blank data provide information relative to the effectiveness of decontamination procedures. The concentrations presented in Table XX3 represent residual contamination from the sampling equipment. As with the method blanks, the 5X rule (USEPA, 1988) was applied to establish action levels. Sample concentrations of elements which were below the associated action levels were flagged as non-detect (U). With the exception of zinc for EQ-5 and selenium for EQ-6, all concentrations of detected elements are below CRDLs and represent trace levels of contamination. The equipment blank data indicate that extensive contamination of inorganics from the sampling equipment did not occur.

A field blank consisting of the source water used for decontamination of drilling and sampling activities was collected and analyzed to provide baseline concentrations of inorganics which could potentially contribute to sample concentrations. The field blank was collected as described in the VOC subsection of Section 4.5.4. Elements detected in the field blank are presented in Table XX4.

TABLE XX4
ELEMENTS DETECTED IN FIELD BLANK

Element	Concentration (µg/L)
Aluminum	1790
Antimony	7.1
Barium	7.4
Beryllium	0.15
Calcium	10900
Copper	23.9
Iron	2400
Magnesium	865
Manganese	47.1
Mercury	0.23
Potassium	796
Sodium	4670
Zinc	61.1
Cyanide	2

The 5X rule (USEPA, 1988) was applied to obtain action levels which were 5 times the concentrations presented in Table XX4. Associated sample concentrations of elements detected in the field blank which were below action levels were qualified as non-detect (U).

Summary of Groundwater Data Usability

The data associated with groundwater samples collected at SML was of satisfactory quality for project uses such as site characterization, risk assessment, and engineering design. There were

few quality control problems observed for the majority of the groundwater data. For VOCs, there were rejected (UR) detection limit values for dichlorofluoromethane due to low continuing calibration results. 2-methylnaphthalene concentrations were qualified as estimated (J) for a sample because the associated continuing calibration was out of criteria. Low acid fraction surrogate recoveries were noted for four samples. Associated acid fraction SVOC concentrations were qualified as estimated (J). Detection limit values for acid fraction SVOCs were rejected for two samples. Although there were detections of common laboratory contaminants, there was not extensive blank contamination of VOCs and SVOCs. For inorganics, detection limit values were qualified as rejected (UR) for chromium, potassium, and copper due to negative blank results which indicated the potential for false negatives. Matrix spike results were out of criteria for several elements. Corresponding concentrations were flagged as estimated (J) for some samples. Exceptionally low matrix spike recoveries resulted in rejected (UR) detection limit values for antimony, arsenic, and silver.