LAND DISPOSAL UNIT CPP-55
CHEMICAL ANALYSIS DATA

PACIFIC NORTHWEST ENVIRONMENTAL LABORATORY

Client No: 30-891206

ORGANIC ANALYSIS REPORT

Customer #	CPP55-03-V3-3-3
PNEL #	2191-03
Sample Description	EGG/ICPP/ID LDU CPP-55
Matrix	Soil
Date Received	12-21-89
Date Analyzed	01-05-90
Units of Measure	ug/kg
Sample Weight	.020 kg

Compound	
Mineral Spirits*	21000 (B)
% Solids	96.4%

* This is not a definitive identification. Any hydrocarbon occuring with the approximate boiling range of the mineral spirits standard is characterized as, and quantitated as, mineral spirits.

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\OAD-1206.191

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4063

PACIFIC NORTHWEST ENVIRONMENTAL LABORATORY

Client No: 30-891206

ORGANIC ANALYSIS REPORT

Customer #	CPP55-03-V3-3-6-FD
PNEL #	2191-06
Sample Description	EGG/ICPP/ID LDU CPP-55
Matrix	Soil
Date Received	12-21-89
Date Analyzed	01-05-90
Units of Measure	ug/kg
Sample Weight	.020

Compound	
Mineral Spirits*	19000 (B)
% Solid	95.6%

* This is not a definitive identification. Any hydrocarbon occuring with the approximate boiling range of the mineral spirits standard is characterized as, and quantitated as, mineral spirits.

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PACIFIC NORTHWEST ENVIRONMENTAL LABORATORY

Client No: 30-891206

ORGANIC ANALYSIS REPORT

Customer #	CPP55-03-V3-6-9
PNEL #	2191-09
Sample Description	EGG/ICPP/ID LDU CPP-55
Matrix	Soil
Date Received	12-21-89
Date Analyzed	01-05-90
Units of Measure	ug/kg
Sample Weight	.020 kg

Compound	
Mineral Spirits*	18000 (B)
% Solids	96.7%

* This is not a definitive identification. Any hydrocarbon occuring with the approximate boiling range of the mineral spirits standard is characterized as, and quantitated as, mineral spirits.

\OAD-1206.191

~~002009~~

PACIFIC NORTHWEST ENVIRONMENTAL LABORATORY

Client No: 30-891206

ORGANIC ANALYSIS REPORT

Customer #	CPP55-03-V3-6-9
PNEL #	2191-09MS
Sample Description	EGG/ICPP/ID LDU CPP-55 (Matrix Spike)
Matrix	Soil
Date Received	12-21-89
Date Analyzed	01-05-90
Units of Measure	ug/kg
Sample Weight	.020 kg

Compound	
Mineral Spirits*	140000 (B)
% Solids	96.7%

* This is not a definitive identification. Any hydrocarbon occuring with the approximate boiling range of the mineral spirits standard is characterized as, and quantitated as, mineral spirits.

\OAD-1206.191

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PACIFIC NORTHWEST ENVIRONMENTAL LABORATORY

Client No: 30-891206

ORGANIC ANALYSIS REPORT

Customer #	CPP55-03-V3-6-9
PNEL #	2191-09MSD
Sample Description	EGG-ICPP-ID LDU CPP-55 (Matrix Spike Duplicate)
Matrix	Soil
Date Received	12-21-89
Date Analyzed	01-05-90
Units of Measure	ug/kg
Sample Weight	.020 kg

Compound	
Mineral Spirits	130000 (B)
% Solids	96.7%

* This is not a definitive identification. Any hydrocarbon occuring with the approximate boiling range of the mineral spirits standard is characterized as, and quantitated as, mineral spirits.

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PACIFIC NORTHWEST ENVIRONMENTAL LABORATORY

Client No: 30-891206

ORGANIC ANALYSIS REPORT

Customer #	CPP55-TB-V3-10
PNEL #	2191-10
Sample Description	EGG/ICPP/ID LDU CPP-55 (Trip Blank)
Matrix	Water
Date Received	12-21-89
Date Analyzed	01-05-90
Units of Measure	ug/L
Sample Volume	1.00 L

Compound	
Mineral Spirits*	350 (B)

* This is not a definitive identification. Any hydrocarbon occuring with the approximate boiling range of the mineral spirits standard is characterized as, and quantitated as, mineral spirits.

\OAD-1206.191

~~002012~~

PACIFIC NORTHWEST ENVIRONMENTAL LABORATORY

Client No: 30-891206

ORGANIC ANALYSIS REPORT

Customer #	CPP55-05-V3-3-15
PNEL #	2191-15
Sample Description	EGG/ICPP/ID LDU CPP-55
Matrix	Soil
Date Received	12-21-89
Date Analyzed	01-05-90
Units of Measure	ug/kg
Sample Weight	.020 kg

Compound	
Mineral Spirits	19000 (B)
% Solids	97.6%

* This is not a definitive identification. Any hydrocarbon occuring with the approximate boiling range of the mineral spirits standard is characterized as, and quantitated as, mineral spirits.

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~~002015~~

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PACIFIC NORTHWEST ENVIRONMENTAL LABORATORY

GC SPIKE RECOVERY DATA SHEET

Lab Sample ID:	2191-09	**Project No:**	30-891206
Sample Matrix:	Soil	**Customer Sample No:**	CPP55-03-V3-6-9
Date Sample Collected:	12-20-89	**Sample Description:**	EGG/ICPP/ID LDUCPP-55
Date Sample Received:	12-21-89		
Date Sample Analyzed:	01-05-90		

	Compound	*Spike Sample Conc. (ug/kg)*	*Sample Conc. (ug/kg)*	*Spike Level (ug/kg)*	*Percent Recovery*	*RPD (%)*
2191-09MS	Mineral Sprits*	140000	18000	210000	58	
2191-09MSD	Mineral Sprits*	130000	18000	210000	53	9.0

* This is not a definitive identification. Any hydrocarbon occuring with the approximate boiling range of the mineral spirits standard is characterized as, and quantitated as, mineral spirits.

\0AD-1206.191

PACIFIC NORTHWEST ENVIRONMENTAL LABORATORY

GC SPIKE RECOVERY DATA SHEET

Lab Sample ID:	2186-00MB	**Project No:**	30-891206
Sample Matrix:	Water	**Customer Sample No:**	NA
Date Sample Collected:	12-19-89	**Sample Description:**	Water Blank
Date Sample Received:	12-20-89		
Date Sample Analyzed:	01-04-90		

	Compound	*Spike Sample Conc. (mg/L)*	*Sample Conc. (mg/L)*	*Spike Level (mg/L)*	*Percent Recovery*	*RPD (%)*
2186-00MS	Mineral Sprits*	3600	310	4000	82	NA
2186-00MSD	Mineral Sprits*	3600	310	4000	82	0%

* This is not a definitive identification. Any hydrocarbon occuring with the approximate boiling range of the mineral spirits standard is characterized as, and quantitated as, mineral spirits.

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~~002001~~

PACIFIC NORTHWEST ENVIRONMENTAL LABORATORY

Client No: 30-891206

ORGANIC ANALYSIS REPORT

Customer #	NA
PNEL #	2191-00MB
Sample Description	Matrix Blank
Matrix	Water
Date Received	NA
Date Analyzed	01-04-90
Units of Measure	ug/L

Compound	
Mineral Spirits*	310 (B)

* This is not a definitive identification. Any hydrocarbon occuring with the approximate boiling range of the mineral spirits standard is characterized as, and quantitated as, mineral spirits.

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PACIFIC NORTHWEST ENVIRONMENTAL LABORATORY

Client No: 30-891206

ORGANIC ANALYSIS REPORT

Customer #	NA
PNEL #	2191-00MB
Sample Description	Matrix Blank
Matrix	Soil
Date Received	NA
Date Analyzed	01-04-90
Units of Measure	ug/kg

Compound	
Mineral Spirits*	20000

* This is not a definitive identification. Any hydrocarbon occuring with the approximate boiling range of the mineral spirits standard is characterized as, and quantitated as, mineral spirits.

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4073

PACIFIC NORTHWEST ENVIRONMENTAL LABORATORY

Client No: 30-891206

ORGANIC ANALYSIS REPORT

Customer #	NA
PNEL #	2186-00MS
Sample Description	Matrix Spike
Matrix	Water
Date Received	NA
Date Analyzed	01-04-90
Units of Measure	ug/L

Compound	
Mineral Spirits*	3600 (B)

Spiked at 4000 ug/L
82% Recovery

* This is not a definitive identification. Any hydrocarbon occuring with the approximate boiling range of the mineral spirits standard is characterized as, and quantitated as, mineral spirits.

\OAD-1206.191

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4074

PACIFIC NORTHWEST ENVIRONMENTAL LABORATORY

Client No: 30-891206

ORGANIC ANALYSIS REPORT

Customer #	NA
PNEL #	2186-00MSD
Sample Description	Matrix Spike Duplicate
Matrix	Water
Date Received	NA
Date Analyzed	01-04-90
Units of Measure	ug/L

Compound	
Mineral Spirits*	3600 (B)

Spiked at 4000 ug/L
82% Recovery

* This [illegible] definitive identification. Any hydrocarbon occuring with the approx[illegible] boiling range of the mineral spirits standard is characterized as, [illegible]titated as, mineral spirits.

\OAD-1206.191

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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

LAB SAMPLE NO

VBLKA4

Lab Name: PNELI_____ Project: INEL_____

Lab Code: PNELI_____ Case No.: 2191__ SAS No.: _____ SDG No.: CPP55_

Matrix: (soil/water) SOIL__ Lab Sample ID: VBLKA4_____

Sample wt/vol: __5.0 (g/mL) G___ Lab File ID: A3755_____

Level: (low/med) LOW___ Date Received: _____

% Moisture: not dec. ____ Date Analyzed: 12/26/89

Column: (pack/cap) PACK__ Dilution Factor: 1.0_____

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

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1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

LAB SAMPLE NO
VBLKA4

Lab Name: PNELI_____ Project: INEL_____

Lab Code: PNELI___ Case No.: 2191__ SAS No.: _____ SDG No.: CPP55_

Matrix: (soil/water) SOIL__ Lab Sample ID: VBLKA4_____

Sample wt/vol: __5.0 (g/mL) G___ Lab File ID: A3755_____

Level: (low/med) LOW___ Date Received: _____

% Moisture: not dec. ____ Date Analyzed: 12/26/89

Column (pack/cap) PACK__ Dilution Factor: 1.0_____

Number TICs found: __0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

LAB SAMPLE NO

VBLKA5

Lab Name: PNELI_____ Project: INEL_____

Lab Code: PNELI___ Case No.: 2191__ SAS No.: _____ SDG No.: CPP55_

Matrix: (soil/water) SOIL__ Lab Sample ID: VBLKA5_____

Sample wt/vol: __5.0 (g/mL) G___ Lab File ID: A3767_____

Level: (low/med) LOW___ Date Received: _____

% Moisture: not dec. ____ Date Analyzed: 12/27/89

Column: (pack/cap) PACK__ Dilution Factor: 1.0_____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	5	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	[illegible]ne	5	U
10061-0[illegible]	[illegible]-1,3-Dichloropropene	5	U
75-25-2	[illegible]form	5	U
108-10-[illegible]	[illegible]thyl-2-Pentanone	10	U
591-78-[illegible]	[illegible]anone	10	U
127-18-[illegible]	[illegible]chloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

LAB SAMPLE NO.
VBLKA5

Lab Name: PNELI_____ Project: INEL_____

Lab Code: PNELI__ Case No.: 2191__ SAS No.: _____ SDG No.: CPP55_

Matrix: (soil/water) SOIL__ Lab Sample ID: VBLKA5_____

Sample wt/vol: __5.0 (g/mL) G___ Lab File ID: A3767_____

Level: (low/med) LOW___ Date Received: _____

% Moisture: not dec. ____ Date Analyzed: 12/27/89

Column (pack/cap) PACK__ Dilution Factor: 1.0_____

Number TICs found: __0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

LAB SAMPLE NO.
219102

Lab Name: PNELI_____ Project: INEL_____

Lab Code: PNELI__ Case No.: 2191__ SAS No.: _____ SDG No.: CPP55_

Matrix: (soil/water) SOIL__ Lab Sample ID: 2191-02_____

Sample wt/vol: __5.0 (g/mL) G___ Lab File ID: A3762_____

Level: (low/med) LOW___ Date Received: 12/21/89

% Moisture: not dec. ___3 Date Analyzed: 12/26/89

Column: (pack/cap) PACK__ Dilution Factor: 1.0_____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	5	U
67-64-1	Acetone	3	J
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	[illegible]ne	5	U
10061-02	[illegible]-1,3-Dichloropropene	5	U
75-25-2	[illegible]form	5	U
108-10-1	[illegible]-4-Methyl-2-Pentanone	10	U
591-78-6	[illegible]anone	10	U
127-18-4	[illegible]tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

LAB SAMPLE NO.
219102

Lab Name: PNELI_____ Project: INEL_____

Lab Code: PNELI___ Case No.: 2191__ SAS No.: _____ SDG No.: CPP55_

Matrix: (soil/water) SOIL__ Lab Sample ID: 2191-02_____

Sample wt/vol: __5.0 (g/mL) G___ Lab File ID: A3762_____

Level: (low/med) LOW___ Date Received: 12/21/89

% Moisture: not dec. ___3 Date Analyzed: 12/26/89

Column (pack/cap) PACK__ Dilution Factor: 1.0_____

Number TICs found: __0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

LAB SAMPLE NO
219105

Lab Name: PNELI_____ Project: INEL_____

Lab Code: PNELI__ Case No.: 2191__ SAS No.: _____ SDG No.: CPP55_

Matrix: (soil/water) SOIL__ Lab Sample ID: 2191-05_____

Sample wt/vol: __5.0 (g/mL) G___ Lab File ID: A3768_____

Level: (low/med) LOW___ Date Received: 12/21/89

% Moisture: not dec. ___4 Date Analyzed: 12/27/89

Column: (pack/cap) PACK__ Dilution Factor: 1.0_____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	5	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	[illegible]ene	5	U
10061-0[illegible]	[illegible]-1,3-Dichloropropene	5	U
75-25-2	[illegible]form	5	U
108-10-[illegible]	[illegible]thyl-2-Pentanone	10	U
591-78-[illegible]	[illegible]Hexanone	10	U
127-18-4	[illegible]chloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

LAB SAMPLE NO.
219105

Lab Name: PNELI_____ Project: INEL_____

Lab Code: PNELI___ Case No.: 2191__ SAS No.: _____ SDG No.: CPP55_

Matrix: (soil/water) SOIL__ Lab Sample ID: 2191-05_____

Sample wt/vol: __5.0 (g/mL) G___ Lab File ID: A3768_____

Level: (low/med) LOW___ Date Received: 12/21/89

% Moisture: not dec. ___4 Date Analyzed: 12/27/89

Column (pack/cap) PACK__ Dilution Factor: 1.0_____

Number TICs found: __0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

LAB SAMPLE NO.

219108

Lab Name: PNELI_____ Project: INEL_____

Lab Code: PNELI_____ Case No.: 2191__ SAS No.: _____ SDG No.: CPP55_

Matrix: (soil/water) SOIL__ Lab Sample ID: 2191-08_____

Sample wt/vol: __5.0 (g/mL) G___ Lab File ID: A3758_____

Level: (low/med) LOW___ Date Received: 12/21/89

% Moisture: not dec. ___4 Date Analyzed: 12/26/89

Column: (pack/cap) PACK__ Dilution Factor: 1.0_____

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

LAB SAMPLE NO
219108

Lab Name: PNELI_____ Project: INEL_____

Lab Code: PNELI__ Case No.: 2191__ SAS No.: _____ SDG No.: CPP55_

Matrix: (soil/water) SOIL__ Lab Sample ID: 2191-08_____

Sample wt/vol: __5.0 (g/mL) G___ Lab File ID: A3758_____

Level: (low/med) LOW___ Date Received: 12/21/89

% Moisture: not dec. ___4 Date Analyzed: 12/26/89

Column (pack/cap) PACK__ Dilution Factor: 1.0_____

Number TICs found: __0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

LAB SAMPLE NO

219108MS

Lab Name: PNELI_____ Project: INEL_____

Lab Code: PNELI__ Case No.: 2191__ SAS No.: _____ SDG No.: CPP55_

Matrix: (soil/water) SOIL__ Lab Sample ID: 2191-08MS____

Sample wt/vol: __5.0 (g/mL) G___ Lab File ID: A3759_____

Level: (low/med) LOW___ Date Received: 12/21/89

% Moisture: not dec. ___4 Date Analyzed: 12/26/89

Column: (pack/cap) PACK__ Dilution Factor: 1.0_____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	2	J
67-64-1	Acetone	3	J
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	[illegible]ene	5	U
10061-02	[illegible] 1,3-Dichloropropene	5	U
75-25-2	[illegible]form	5	U
108-10-	[illegible]-Methyl-2-Pentanone	10	U
591-78-	[illegible]anone	10	U
127-18-	[illegible]chloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

LAB SAMPLE NO.
219108MSD

Lab Name: PNELI_____ Project: INEL_____

Lab Code: PNELI_____ Case No.: 2191__ SAS No.: _____ SDG No.: CPP55_

Matrix: (soil/water) SOIL__ Lab Sample ID: 2191-08MSD___

Sample wt/vol: __5.0 (g/mL) G___ Lab File ID: A3760_____

Level: (low/med) LOW___ Date Received: 12/21/89

% Moisture: not dec. ___4 Date Analyzed: 12/26/89

Column: (pack/cap) PACK__ Dilution Factor: 1.0_____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	2	J
67-64-1	Acetone	3	J
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	2	J
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	[illegible]e	5	U
10061-02	[illegible]-1,3-Dichloropropene	5	U
75-25-2	[illegible]form	5	U
108-10-1	[illegible]-Methyl-2-Pentanone	10	U
591-78-6	[illegible]-Hexanone	10	U
127-18-4	[illegible]achloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

LAB SAMPLE NO
219114

Lab Name: PNELI_____ Project: INEL_____

Lab Code: PNELI__ Case No.: 2191__ SAS No.: _____ SDG No.: CPP55_

Matrix: (soil/water) SOIL__ Lab Sample ID: 2191-14_____

Sample wt/vol: __5.0 (g/mL) G___ Lab File ID: A3769_____

Level: (low/med) LOW___ Date Received: 12/21/89

% Moisture: not dec. ___3 Date Analyzed: 12/27/89

Column: (pack/cap) PACK__ Dilution Factor: 1.0_____

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

LAB SAMPLE NO.
219114

Lab Name: PNELI_____ Project: INEL_____

Lab Code: PNELI__ Case No.: 2191__ SAS No.: _____ SDG No.: CPP55_

Matrix: (soil/water) SOIL__ Lab Sample ID: 2191-14_____

Sample wt/vol: __5.0 (g/mL) G___ Lab File ID: A3769_____

Level: (low/med) LOW___ Date Received: 12/21/89

% Moisture: not dec. ___3 Date Analyzed: 12/27/89

Column (pack/cap) PACK__ Dilution Factor: 1.0_____

Number TICs found: __0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

CPP55-03-TX-3-1

Lab Name: PNEL Contract: _____

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

Matrix (soil/water): Soil Lab Sample ID: 2191-01

Level (low/med): low Date Received: 12/21/89

% Solids: 95.5

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic	4.9		N	F
7440-39-3	Barium	120			P
7440-41-7	Beryllium				
7440-43-9	Cadmium	1.0	U	N	P
7440-70-2	Calcium				
7440-47-3	Chromium	24.4		N*	P
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron	12800			P
7439-92-1	Lead	7.8			F
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury	0.45			CV
7440-02-0	Nickel	17.0			P
7440-09-7	Potassium				
7782-49-2	Selenium	0.54	U	N E	F
7440-22-4	Silver	2.0	U		P
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				
	Cyanide				

Color Before: _____ Clarity Before: _____ Texture: Coarse

Color After: _____ Clarity After: _____ Artifacts: Yes

Comments:

artifacts : rocks

FORM I - IN

4001

7/88

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

CPPSS-03-TX-3-4-FN

Lab Name: PNEL Contract: _____

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

Matrix (soil/water): Soil Lab Sample ID: 2191-04

Level (low/med): low Date Received: 12/21/89

% Solids: 95.9

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic	5.3		N	F
7440-39-3	Barium	118			P
7440-41-7	Beryllium				
7440-43-9	Cadmium	1.0	U	N	P
7440-70-2	Calcium				
7440-47-3	Chromium	29.6		N*	P
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron	13000			P
7439-92-1	Lead	7.4			F
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury	0.44			CV
7440-02-0	Nickel	12.8			P
7440-09-7	Potassium				
7782-49-2	Selenium	0.52	U	N E	F
7440-22-4	Silver	2.0	U		P
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				
	Cyanide				

Color Before: _____ Clarity Before: _____ Texture: coarse

Color After: _____ Clarity After: _____ Artifacts: Yes

Comments:

artifacts : rocks

FORM I - IN

4002

7/88

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

CPP55-03-TX-6-7

Lab Name: PNEL Contract: _____

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

Matrix (soil/water): Soil Lab Sample ID: 2191-07

Level (low/med): low Date Received: 12/21/89

% Solids: 95.2

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic	5.1		N	F
7440-39-3	Barium	120			P
7440-41-7	Beryllium				
7440-43-9	Cadmium	1.0	U	N	P
7440-70-2	Calcium				
7440-47-3	Chromium	29.5		N*	P
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron	10900			P
7439-92-1	Lead	5.8			F
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury	0.07	B		CV
7440-02-0	Nickel	21.4			P
7440-09-7	Potassium				
7782-49-2	Selenium	0.60	U	NW	F
7440-22-4	Silver	2.1	U		P
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				
	Cyanide				

Color Before: _____ Clarity Before: _____ Texture: coarse

Color After: _____ Clarity After: _____ Artifacts: Yes

Comments:

artifacts : rock

FORM I - IN

4003

7/88

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

KPP55-DLW-TX-11

Lab Name: PNEL Contract: _____

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

Matrix (soil/water): water Lab Sample ID: 2191-11

Level (low/med): low Date Received: 12/21/89

% Solids: _____

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic	7.0	B		F
7440-39-3	Barium	215			P
7440-41-7	Beryllium				
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium				
7440-47-3	Chromium	33.5			P
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron	17800			P
7439-92-1	Lead	120			F
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury	0.32			CV
7440-02-0	Nickel	33.6	B		P
7440-09-7	Potassium				
7782-49-2	Selenium	3.0	U	E	F
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				
	Cyanide				

Color Before: brown Clarity Before: Cloudy Texture: _____

Color After: Yellow Clarity After: Clear Artifacts: _____

Comments:

sample was filtered after digestion was complete

FORM I - IN

4004

7/88

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

rpp55-05-TX-2-13

Lab Name: PNEL Contract: _____

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

Matrix (soil/water): Soil Lab Sample ID: 2191-13

Level (low/med): low Date Received: 12/21/89

% Solids: 97.1

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic	5.0		N	F
7440-39-3	Barium	97.4			P
7440-41-7	Beryllium				
7440-43-9	Cadmium	1.0	U	N	P
7440-70-2	Calcium				
7440-47-3	Chromium	23.1		N*	P
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron	11600			P
7439-92-1	Lead	32.0			F
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury	0.05	U		CV
7440-02-0	Nickel	18.1			P
7440-09-7	Potassium				
7782-49-2	Selenium	0.52	U	NE	F
7440-22-4	Silver	2.1			P
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				
	Cyanide				

Color Before: _____ Clarity Before: _____ Texture: coarse

Color After: _____ Clarity After: _____ Artifacts: Yes

Comments:

artifacts : rocks

FORM I - IN

4005

7/88

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKA1

Lab Name: PNELI_____ Contract: INEL_____

Lab Code: PNELI__ Case No.: 2286__ SAS No.: _____ SDG No.: CPP55_

Matrix: (soil/water) WATER_ Lab Sample ID: VBLKA1_____

Sample wt/vol: __5.0 (g/mL) ML__ Lab File ID: A3952_____

Level: (low/med) LOW___ Date Received: _____

% Moisture: not dec. ____ Date Analyzed: 02/09/90

Column: (pack/cap) PACK__ Dilution Factor: 1.0_____

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

1E

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

VBLKA1

Lab Name: PNELI_____ Contract: INEL_____

Lab Code: PNELI__ Case No.: 2286__ SAS No.: _____ SDG No.: CPF55_

Matrix: (soil/water) WATER_ Lab Sample ID: VBLKA1_____

Sample wt/vol: __5.0 (g/mL) ML__ Lab File ID: A3952_____

Level: (low/med) LOW___ Date Received: _____

% Moisture: not dec. ____ Date Analyzed: 02/09/90

Column (pack/cap) PACK__ Dilution Factor: 1.0_____

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

Number TICs found: __0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKA2

Lab Name: PNELI_____ Contract: INEL_____

Lab Code: PNELI__ Case No.: 2286__ SAS No.: _____ SDG No.: CPP55_

Matrix: (soil/water) WATER_ Lab Sample ID: VBLKA2_____

Sample wt/vol: __5.0 (g/mL) ML__ Lab File ID: A3958_____

Level: (low/med) LOW___ Date Received: _____

% Moisture: not dec. ____ Date Analyzed: 02/12/90

Column: (pack/cap) PACK__ Dilution Factor: 1.0_____

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

1E

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

VBLKA2

Lab Name: FNELI_____ Contract: INEL_____

Lab Code: FNELI__ Case No.: 2286__ SAS No.: _____ SDG No.: CPP55_

Matrix: (soil/water) WATER_ Lab Sample ID: VBLKA2_____

Sample wt/vol: __5.0 (g/mL) ML__ Lab File ID: A3958_____

Level: (low/med) LOW___ Date Received: _____

% Moisture: not dec. ____ Date Analyzed: 02/12/90

Column (pack/cap) PACK__ Dilution Factor: 1.0_____

Number TICs found: __0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKB2

Lab Name: PNELI Contract: INEL

Lab Code: PNELI Case No.: 2286 SAS No.: SDG No.: CPP55

Matrix: (soil/water) SOIL Lab Sample ID: VBLKB2

Sample wt/vol: 5.0 (g/mL) G Lab File ID: B3946

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 02/12/90

Column: (pack/cap) PACK Dilution Factor: 1.0

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLKB2

Lab Name: PNELI_____ Contract: INEL_____

Lab Code: PNELI__ Case No.: 2286__ SAS No.: _____ SDG No.: CPP55_

Matrix: (soil/water) SOIL__ Lab Sample ID: VBLKB2_____

Sample wt/vol: __5.0 (g/mL) G___ Lab File ID: B3946_____

Level: (low/med) LOW___ Date Received: _____

% Moisture: not dec. ____ Date Analyzed: 02/12/90

Column (pack/cap) PACK__ Dilution Factor: 1.0_____

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

Number TICs found: __0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKB3

Lab Name: PNELI_____ Contract: INEL_____

Lab Code: PNELI__ Case No.: 2286__ SAS No.: _____ SDG No.: CPP55_

Matrix: (soil/water) SOIL__ Lab Sample ID: VBLKB3_____

Sample wt/vol: __5.0 (g/mL) G___ Lab File ID: B3954_____

Level: (low/med) LOW___ Date Received: _____

% Moisture: not dec. ____ Date Analyzed: 02/13/90

Column: (pack/cap) PACK__ Dilution Factor: 1.0_____

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLKB3

Lab Name: PNELI_____ Contract: INEL_____

Lab Code: PNELI__ Case No.: 2286__ SAS No.: _____ SDG No.: CPP55_

Matrix: (soil/water) SOIL__ Lab Sample ID: VBLKB3_____

Sample wt/vol: __5.0 (g/mL) G___ Lab File ID: B3954_____

Level: (low/med) LOW___ Date Received: _____

% Moisture: not dec. ____ Date Analyzed: 02/13/90

Column (pack/cap) PACK__ Dilution Factor: 1.0_____

Number TICs found: __0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

V2-29-15

Lab Name: PNELI_____ Contract: INEL_____

Lab Code: PNELI__ Case No.: 2286__ SAS No.: _____ SDG No.: CPP55_

Matrix: (soil/water) SOIL__ Lab Sample ID: 2281-01_____

Sample wt/vol: __5.0 (g/mL) G___ Lab File ID: B3955_____

Level: (low/med) LOW___ Date Received: 02/09/90

% Moisture: not dec. ___8 Date Analyzed: 02/13/90

Column: (pack/cap) PACK__ Dilution Factor: 1.0_____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	11	U
74-83-9	Bromomethane	11	U
75-01-4	Vinyl Chloride	11	U
75-00-3	Chloroethane	11	U
75-09-2	Methylene Chloride	5	U
67-64-1	Acetone	11	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	11	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	11	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	Trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	11	U
591-78-6	2-Hexanone	11	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

V2-29-15

Lab Name: PNELI_____ Contract: INEL_____

Lab Code: PNELI__ Case No.: 2286__ SAS No.: _____ SDG No.: CPP55_

Matrix: (soil/water) SOIL__ Lab Sample ID: 2281-01_____

Sample wt/vol: __5.0 (g/mL) G___ Lab File ID: B3955_____

Level: (low/med) LOW___ Date Received: 02/09/90

% Moisture: not dec. ___8 Date Analyzed: 02/13/90

Column (pack/cap) PACK__ Dilution Factor: 1.0_____

Number TICs found: __0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

V2-29-15MS

Lab Name: PNELI_____ Contract: INEL_____

Lab Code: PNELI__ Case No.: 2286__ SAS No.: _____ SDG No.: CPP55_

Matrix: (soil/water) SOIL__ Lab Sample ID: 2281-01MS____

Sample wt/vol: __5.0 (g/mL) G___ Lab File ID: B3956_____

Level: (low/med) LOW___ Date Received: 02/09/90

% Moisture: not dec. ___8 Date Analyzed: 02/13/90

Column: (pack/cap) PACK__ Dilution Factor: 1.0_____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	11	U
74-83-9	Bromomethane	11	U
75-01-4	Vinyl Chloride	11	U
75-00-3	Chloroethane	11	U
75-09-2	Methylene Chloride	2	J
67-64-1	Acetone	11	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	11	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	11	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	Trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	11	U
591-78-6	2-Hexanone	11	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

V2-29-15MSD

Lab Name: PNELI Contract: INEL

Lab Code: PNELI Case No.: 2286 SAS No.: SDG No.: CPP55

Matrix: (soil/water) SOIL Lab Sample ID: 2281-01MSD

Sample wt/vol: 5.0 (g/mL) G Lab File ID: B3957

Level: (low/med) LOW Date Received: 02/09/90

% Moisture: not dec. 8 Date Analyzed: 02/13/90

Column: (pack/cap) PACK Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	11	U
74-83-9	Bromomethane	11	U
75-01-4	Vinyl Chloride	11	U
75-00-3	Chloroethane	11	U
75-09-2	Methylene Chloride	2	J
67-64-1	Acetone	11	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	11	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	11	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	Trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	11	U
591-78-6	2-Hexanone	11	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

V2-43-22

Lab Name: PNELI_____ Contract: INEL_____

Lab Code: PNELI__ Case No.: 2286__ SAS No.: _____ SDG No.: CPP55_

Matrix: (soil/water) SOIL__ Lab Sample ID: 2286-01_____

Sample wt/vol: __5.0 (g/mL) G___ Lab File ID: B3951_____

Level: (low/med) LOW___ Date Received: 02/10/90

% Moisture: not dec. __19 Date Analyzed: 02/12/90

Column: (pack/cap) PACK__ Dilution Factor: 1.0_____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	12	U
74-83-9	Bromomethane	12	U
75-01-4	Vinyl Chloride	12	U
75-00-3	Chloroethane	12	U
75-09-2	Methylene Chloride	6	U
67-64-1	Acetone	12	U
75-15-0	Carbon Disulfide	6	U
75-35-4	1,1-Dichloroethene	6	U
75-34-3	1,1-Dichloroethane	6	U
540-59-0	1,2-Dichloroethene (total)	6	U
67-66-3	Chloroform	6	U
107-06-2	1,2-Dichloroethane	6	U
78-93-3	2-Butanone	12	U
71-55-6	1,1,1-Trichloroethane	6	U
56-23-5	Carbon Tetrachloride	6	U
108-05-4	Vinyl Acetate	12	U
75-27-4	Bromodichloromethane	6	U
78-87-5	1,2-Dichloropropane	6	U
10061-01-5	cis-1,3-Dichloropropene	6	U
79-01-6	Trichloroethene	6	U
124-48-1	Dibromochloromethane	6	U
79-00-5	1,1,2-Trichloroethane	6	U
71-43-2	Benzene	6	U
10061-02-6	Trans-1,3-Dichloropropene	6	U
75-25-2	Bromoform	6	U
108-10-1	4-Methyl-2-Pentanone	12	U
591-78-6	2-Hexanone	12	U
127-18-4	Tetrachloroethene	6	U
79-34-5	1,1,2,2-Tetrachloroethane	6	U
108-88-3	Toluene	6	U
108-90-7	Chlorobenzene	6	U
100-41-4	Ethylbenzene	6	U
100-42-5	Styrene	6	U
1330-20-7	Xylene (total)	6	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

V2-43-22

Lab Name: PNELI_____ Contract: INEL_____

Lab Code: PNELI__ Case No.: 2286__ SAS No.: _____ SDG No.: CPP55_

Matrix: (soil/water) SOIL__ Lab Sample ID: 2286-01_____

Sample wt/vol: __5.0 (g/mL) G___ Lab File ID: B3951_____

Level: (low/med) LOW___ Date Received: 02/10/90

% Moisture: not dec. __19 Date Analyzed: 02/12/90

Column (pack/cap) PACK__ Dilution Factor: 1.0_____

Number TICs found: __0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

03-FB

Lab Name: PNELI_____ Contract: INEL_____

Lab Code: PNELI__ Case No.: 2286__ SAS No.: _____ SDG No.: CPP55_

Matrix: (soil/water) WATER_ Lab Sample ID: 2286-03_____

Sample wt/vol: __5.0 (g/mL) ML__ Lab File ID: A3961_____

Level: (low/med) LOW___ Date Received: 02/10/90

% Moisture: not dec. ____ Date Analyzed: 02/12/90

Column: (pack/cap) PACK__ Dilution Factor: 1.0_____

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

03-FB

Lab Name: PNELI_____ Contract: INEL_____

Lab Code: PNELI__ Case No.: 2286__ SAS No.: _____ SDG No.: CPP55_

Matrix: (soil/water) WATER_ Lab Sample ID: 2286-03_____

Sample wt/vol: __5.0 (g/mL) ML__ Lab File ID: A3961_____

Level: (low/med) LOW___ Date Received: 02/10/90

% Moisture: not dec. ____ Date Analyzed: 02/12/90

Column (pack/cap) PACK__ Dilution Factor: 1.0_____

Number TICs found: __0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

2-TB

Lab Name: PNELI Contract: INEL

Lab Code: PNELI Case No.: 2286 SAS No.: SDG No.: CPP55

Matrix: (soil/water) WATER Lab Sample ID: 2274-07

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: A3953

Level: (low/med) LOW Date Received: 02/08/90

% Moisture: not dec. Date Analyzed: 02/09/90

Column: (pack/cap) PACK Dilution Factor: 1.0

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Z-TB

Lab Name: PNELI_____ Contract: INEL_____

Lab Code: PNELI__ Case No.: 2286__ SAS No.: _____ SDG No.: CPP55_

Matrix: (soil/water) WATER_ Lab Sample ID: 2274-07_____

Sample wt/vol: __5.0 (g/mL) ML__ Lab File ID: A3953_____

Level: (low/med) LOW___ Date Received: 02/08/90

% Moisture: not dec. ____ Date Analyzed: 02/09/90

Column (pack/cap) PACK__ Dilution Factor: 1.0_____

Number TICs found: __0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

2-TBMS

Lab Name: PNELI_____ Contract: INEL_____

Lab Code: PNELI__ Case No.: 2286__ SAS No.: _____ SDG No.: CPP55_

Matrix: (soil/water) WATER_ Lab Sample ID: 2274-07MS____

Sample wt/vol: __5.0 (g/mL) ML__ Lab File ID: A3954_____

Level: (low/med) LOW___ Date Received: 02/08/90

% Moisture: not dec. ____ Date Analyzed: 02/09/90

Column: (pack/cap) PACK__ Dilution Factor: 1.0_____

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

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

2-TBMSD

Lab Name: PNELI_____ Contract: INEL_____

Lab Code: PNELI__ Case No.: 2286__ SAS No.: _____ SDG No.: CPP55_

Matrix: (soil/water) WATER_ Lab Sample ID: 2274-07MSD___

Sample wt/vol: __5.0 (g/mL) ML__ Lab File ID: A3955_____

Level: (low/med) LOW___ Date Received: 02/08/90

% Moisture: not dec. ____ Date Analyzed: 02/09/90

Column: (pack/cap) PACK__ Dilution Factor: 1.0_____

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

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

CPPSS-06-TX-43-22

Lab Name: PNEL Contract: _____

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

Matrix (soil/water): Soil Lab Sample ID: 2286-02

Level (low/med): Low Date Received: 02/10/90

% Solids: 83.0

Concentration Units (ug/L or mg/kg dry weight): mg/kg

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic	10.00			F
7440-39-3	Barium	238.6			P
7440-41-7	Beryllium				
7440-43-9	Cadmium	1.095	U	N	P
7440-70-2	Calcium				
7440-47-3	Chromium	41.47			P
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron	22390		E	P
7439-92-1	Lead	15.84			F
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury	0.06	U		CV
7440-02-0	Nickel	35.36			P
7440-09-7	Potassium				
7782-49-2	Selenium	0.59	U	W	F
7440-22-4	Silver	2.19 ~~3.0~~ e	U		P
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				
	Cyanide				

Color Before: gray Clarity Before: _____ Texture: medium

Color After: yellow Clarity After: _____ Artifacts: Yes

Comments:

Artifacts consisted of rocks

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PACIFIC NORTHWEST ENVIRONMENTAL LABORATORY

Client No: 30-891206

ORGANIC ANALYSIS REPORT

Customer #	CPP55-05-V3-6-3
PNEL #	2198-03
Sample Description	893-1195.020 ICPP CPP-55
Matrix	Soil
Date Received	12-22-89
Date Analyzed	01-06-90
Units of Measure	ug/kg
Sample Weight	0.020 kg

Compound	
Mineral Spirits*	21000 (B)
% Solids	90.4%

* This is not a definitive identification. Any hydrocarbon occuring with the approximate boiling range of the mineral spirits standard is characterized as, and quantitated as, mineral spirits.

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PACIFIC NORTHWEST ENVIRONMENTAL LABORATORY

Client No: 30-891206

ORGANIC ANALYSIS REPORT

Customer #	CPP55-05-V3-6-3
PNEL #	2198-03MS
Sample Description	893-1195.020 ICPP CPP-55
Matrix	Soil
Date Received	12-22-89
Date Analyzed	01-06-90
Units of Measure	ug/kg
Sample Weight	0.020 kg

Compound	
Mineral Spirits*	130000
% Solids	90.4%

* This is not a definitive identification. Any hydrocarbon occuring with the approximate boiling range of the mineral spirits standard is characterized as, and quantitated as, mineral spirits.

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PACIFIC NORTHWEST ENVIRONMENTAL LABORATORY

Client No: 30-891206

ORGANIC ANALYSIS REPORT

Customer #	CPP55-05-V3-6-3
PNEL #	2198-03MSD
Sample Description	893-1195.020 ICPP CPP-55
Matrix	Soil
Date Received	12-22-89
Date Analyzed	01-06-90
Units of Measure	ug/kg
Sample Weight	0.020 kg

Compound	
Mineral Spirits*	170000
% Solids	90.4%

* This is not a definitive identification. Any hydrocarbon occuring with the approximate boiling range of the mineral spirits standard is characterized as, and quantitated as, mineral spirits.

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PACIFIC NORTHWEST ENVIRONMENTAL LABORATORY

Client No: 30-891206

ORGANIC ANALYSIS REPORT

Customer #	CPP55-05A-V3-1-6
PNEL #	2198-06
Sample Description	893-1195.020 ICPP CPP-55
Matrix	Soil
Date Received	12-22-89
Date Analyzed	01-06-90
Units of Measure	ug/kg
Sample Weight	0.020 kg

Compound	
Mineral Spirits*	16000 (B)
High Boiling Hydrocarbons**	440000
% Solid	91.9%

* This is not a definitive identification. Any hydrocarbon occuring with the approximate boiling range of the mineral spirits standard is characterized as, and quantitated as, mineral spirits.

** High (boiling point) petroleum hydrocarbons quantitated against mineral spirits.

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PACIFIC NORTHWEST ENVIRONMENTAL LABORATORY

Client No: 30-891206

ORGANIC ANALYSIS REPORT

Customer #	CPP55-05A-V3-1-6
PNEL #	2198-06DL
Sample Description	893-1195.020 ICPP CPP-55
Matrix	Soil
Date Received	12-22-89
Date Analyzed	01-12-90
Units of Measure	ug/kg
Sample Weight	0.020 kg

Compound		
Mineral Spirits*	50000	(U)
High Boiling Hydrocarbons**	200000	(D)
% Solid	91.9%	

* This is not a definitive identification. Any hydrocarbon occuring with the approximate boiling range of the mineral spirits standard is characterized as, and quantitated as, mineral spirits.

** High (boiling point) petroleum hydrocarbons quantitated against mineral spirits.

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PACIFIC NORTHWEST ENVIRONMENTAL LABORATORY

Client No: 30-891206

ORGANIC ANALYSIS REPORT

Customer #	CPP55-07-V3-1-9
PNEL #	2198-09
Sample Description	893-1195.020 ICPP CPP-55
Matrix	Soil
Date Received	12-22-89
Date Analyzed	01-06-90
Units of Measure	ug/kg
Sample Weight	0.020 kg

Compound	
Mineral Spirits*	22000 (B)
% Solids	95.4%

* This is not a definitive identification. Any hydrocarbon occuring with the approximate boiling range of the mineral spirits standard is characterized as, and quantitated as, mineral spirits.

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PACIFIC NORTHWEST ENVIRONMENTAL LABORATORY

Client No: 30-891206

ORGANIC ANALYSIS REPORT

Customer #	CPP55-07-V3-3-12
PNEL #	2198-12
Sample Description	893-1195.020 ICPP CPP-55
Matrix	Soil
Date Received	12-22-89
Date Analyzed	01-06-90
Units of Measure	ug/kg
Sample Weight	0.020 kg

Compound	
Mineral Spirits*	18000 (B)
% Solids	96.7%

* This is not a definitive identification. Any hydrocarbon occuring with the approximate boiling range of the mineral spirits standard is characterized as, and quantitated as, mineral spirits.

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PACIFIC NORTHWEST ENVIRONMENTAL LABORATORY

Client No: 30-891206

ORGANIC ANALYSIS REPORT

Customer #	CPP55-07-V3-6-15
PNEL #	2198-15
Sample Description	893-1195.020 ICPP CPP-55
Matrix	Soil
Date Received	12-22-89
Date Analyzed	01-06-90
Units of Measure	ug/kg
Sample Weight	0.020 kg

Compound	
Mineral Spirits*	15000 (B)
% Solids	94.1%

* This is not a definitive identification. Any hydrocarbon occuring with the approximate boiling range of the mineral spirits standard is characterized as, and quantitated as, mineral spirits.

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PACIFIC NORTHWEST ENVIRONMENTAL LABORATORY

Client No: 30-891206

ORGANIC ANALYSIS REPORT

Customer #	CPP55-10-V3-1-18
PNEL #	2198-18
Sample Description	893-1195.020 ICPP CPP-55
Matrix	Soil
Date Received	12-22-89
Date Analyzed	01-06-90
Units of Measure	ug/kg
Sample Weight	0.020 kg

Compound	
Mineral Spirits*	23000 (B)
% Solids	79.6%

* This is not a definitive identification. Any hydrocarbon occuring with the approximate boiling range of the mineral spirits standard is characterized as, and quantitated as, mineral spirits.

4063

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PACIFIC NORTHWEST ENVIRONMENTAL LABORATORY

Client No: 30-891206

ORGANIC ANALYSIS REPORT

Customer #	NA
PNEL #	2198-00MB
Sample Description	Matrix Blank
Matrix	Soil
Date Received	NA
Date Analyzed	01-04-90
Units of Measure	ug/kg
Sample Weight	0.020 kg

Compound	
Mineral Spirits*	20000
% Solid	100%

* This is not a definitive identification. Any hydrocarbon occuring with the approximate boiling range of the mineral spirits standard is characterized as, and quantitated as, mineral spirits.

4064

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4065

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKA4

Lab Name: PNELI_____ Contract: INEL_____

Lab Code: PNELI__ Case No.: 2198__ SAS No.: _____ SDG No.: CPP55_

Matrix: (soil/water) SOIL__ Lab Sample ID: VBLKA4_____

Sample wt/vol: __5.0 (g/mL) G___ Lab File ID: A3755_____

Level: (low/med) LOW___ Date Received: _____

% Moisture: not dec. ____ Date Analyzed: 12/26/89

Column: (pack/cap) PACK__ Dilution Factor: 1.0_____

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

4047

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLKA4

Lab Name: PNELI_____ Contract: INEL_____

Lab Code: PNELI__ Case No.: 2198__ SAS No.: _____ SDG No.: CPP55_

Matrix: (soil/water) SOIL__ Lab Sample ID: VBLKA4_____

Sample wt/vol: __5.0 (g/mL) G___ Lab File ID: A3755_____

Level: (low/med) LOW___ Date Received: _____

% Moisture: not dec. ____ Date Analyzed: 12/26/89

Column (pack/cap) PACK__ Dilution Factor: 1.0_____

Number TICs found: __0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

4048

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKA5

Lab Name: PNELI_____ Contract: INEL_____

Lab Code: PNELI__ Case No.: 2198__ SAS No.: _____ SDG No.: CPP55_

Matrix: (soil/water) SOIL__ Lab Sample ID: VBLKA5_____

Sample wt/vol: __5.0 (g/mL) G___ Lab File ID: A3767_____

Level: (low/med) LOW___ Date Received: _____

% Moisture: not dec. ____ Date Analyzed: 12/27/89

Column: (pack/cap) PACK__ Dilution Factor: 1.0_____

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

4049

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLKA5

Lab Name: PNELI_____ Contract: INEL_____

Lab Code: PNELI__ Case No.: 2198__ SAS No.: _____ SDG No.: CPP55_

Matrix: (soil/water) SOIL__ Lab Sample ID: VBLKA5_____

Sample wt/vol: __5.0 (g/mL) G___ Lab File ID: A3767_____

Level: (low/med) LOW___ Date Received: _____

% Moisture: not dec. ____ Date Analyzed: 12/27/89

Column (pack/cap) PACK__ Dilution Factor: 1.0_____

Number TICs found: __0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

4050

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKA6

Lab Name: PNELI_____ Contract: INEL_____

Lab Code: PNELI__ Case No.: 2198__ SAS No.: _____ SDG No.: CPP55_

Matrix: (soil/water) SOIL__ Lab Sample ID: VBLKA6_____

Sample wt/vol: __5.0 (g/mL) G___ Lab File ID: A3776_____

Level: (low/med) LOW___ Date Received: _____

% Moisture: not dec. ____ Date Analyzed: 12/28/89

Column: (pack/cap) PACK__ Dilution Factor: 1.0_____

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

4051

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLKA6

Lab Name: PNELI_____ Contract: INEL_____

Lab Code: PNELI__ Case No.: 2198__ SAS No.: _____ SDG No.: CPP55_

Matrix: (soil/water) SOIL__ Lab Sample ID: VBLKA6_____

Sample wt/vol: __5.0 (g/mL) G___ Lab File ID: A3776_____

Level: (low/med) LOW___ Date Received: _____

% Moisture: not dec. ____ Date Analyzed: 12/28/89

Column (pack/cap) PACK__ Dilution Factor: 1.0_____

Number TICs found: __0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

4052

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

219108

Lab Name: PNELI_____ Contract: INEL_____

Lab Code: PNELI__ Case No.: 2198__ SAS No.: _____ SDG No.: CPP55_

Matrix: (soil/water) SOIL__ Lab Sample ID: 2191-08_____

Sample wt/vol: __5.0 (g/mL) G___ Lab File ID: A3758_____

Level: (low/med) LOW___ Date Received: 12/21/89

% Moisture: not dec. ___4 Date Analyzed: 12/26/89

Column: (pack/cap) PACK__ Dilution Factor: 1.0_____

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

4026

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

219108

Lab Name: PNELI_____ Contract: INEL_____

Lab Code: PNELI__ Case No.: 2198__ SAS No.: _____ SDG No.: CPP55_

Matrix: (soil/water) SOIL__ Lab Sample ID: 2191-08_____

Sample wt/vol: __5.0 (g/mL) G___ Lab File ID: A3758_____

Level: (low/med) LOW___ Date Received: 12/21/89

% Moisture: not dec. ___4 Date Analyzed: 12/26/89

Column (pack/cap) PACK__ Dilution Factor: 1.0_____

Number TICs found: __0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

4027

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

219108MS

Lab Name: PNELI_____ Contract: INEL_____

Lab Code: PNELI__ Case No.: 2198__ SAS No.: _____ SDG No.: CPP55_

Matrix: (soil/water) SOIL__ Lab Sample ID: 2191-08MS____

Sample wt/vol: __5.0 (g/mL) G___ Lab File ID: A3759_____

Level: (low/med) LOW___ Date Received: 12/21/89

% Moisture: not dec. ___4 Date Analyzed: 12/26/89

Column: (pack/cap) PACK__ Dilution Factor: 1.0_____

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

402R

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

219108MSD

Lab Name: PNELI_____ Contract: INEL_____

Lab Code: PNELI__ Case No.: 2198__ SAS No.: _____ SDG No.: CPP55_

Matrix: (soil/water) SOIL__ Lab Sample ID: 2191-08MSD___

Sample wt/vol: __5.0 (g/mL) G___ Lab File ID: A3760_____

Level: (low/med) LOW___ Date Received: 12/21/89

% Moisture: not dec. ___4 Date Analyzed: 12/26/89

Column: (pack/cap) PACK__ Dilution Factor: 1.0_____

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

4029

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

219802

Lab Name: PNELI_____ Contract: INEL_____

Lab Code: PNELI__ Case No.: 2198__ SAS No.: _____ SDG No.: CPP55_

Matrix: (soil/water) SOIL__ Lab Sample ID: 2198-02_____

Sample wt/vol: __5.0 (g/mL) G___ Lab File ID: A3770_____

Level: (low/med) LOW___ Date Received: 12/22/89

% Moisture: not dec. ___2 Date Analyzed: 12/27/89

Column: (pack/cap) PACK__ Dilution Factor: 1.0_____

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

4030

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

219802

Lab Name: PNELI_____ Contract: INEL_____

Lab Code: PNELI__ Case No.: 2198__ SAS No.: _____ SDG No.: CPP55_

Matrix: (soil/water) SOIL__ Lab Sample ID: 2198-02_____

Sample wt/vol: __5.0 (g/mL) G___ Lab File ID: A3770_____

Level: (low/med) LOW___ Date Received: 12/22/89

% Moisture: not dec. ___2 Date Analyzed: 12/27/89

Column (pack/cap) PACK__ Dilution Factor: 1.0_____

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

Number TICs found: __0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

4031

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

219805

Lab Name: PNELI_____ Contract: INEL_____

Lab Code: PNELI__ Case No.: 2198__ SAS No.: _____ SDG No.: CPP55_

Matrix: (soil/water) SOIL__ Lab Sample ID: 2198-05_____

Sample wt/vol: __5.0 (g/mL) G___ Lab File ID: A3771_____

Level: (low/med) LOW___ Date Received: 12/22/89

% Moisture: not dec. ___6 Date Analyzed: 12/27/89

Column: (pack/cap) PACK__ Dilution Factor: 1.0_____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	11	U
74-83-9	Bromomethane	11	U
75-01-4	Vinyl Chloride	11	U
75-00-3	Chloroethane	11	U
75-09-2	Methylene Chloride	5	U
67-64-1	Acetone	11	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	11	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	11	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	Trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	11	U
591-78-6	2-Hexanone	11	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U

4032

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

219805

Lab Name: PNELI_____ Contract: INEL_____

Lab Code: PNELI__ Case No.: 2198__ SAS No.: _____ SDG No.: CPP55_

Matrix: (soil/water) SOIL__ Lab Sample ID: 2198-05_____

Sample wt/vol: __5.0 (g/mL) G___ Lab File ID: A3771_____

Level: (low/med) LOW___ Date Received: 12/22/89

% Moisture: not dec. ___6 Date Analyzed: 12/27/89

Column (pack/cap) PACK__ Dilution Factor: 1.0_____

Number TICs found: __0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

4033

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

219808

Lab Name: PNELI_____ Contract: INEL_____

Lab Code: PNELI__ Case No.: 2198__ SAS No.: _____ SDG No.: CPP55_

Matrix: (soil/water) SOIL__ Lab Sample ID: 2198-08_____

Sample wt/vol: __5.0 (g/mL) G___ Lab File ID: A3772_____

Level: (low/med) LOW___ Date Received: 12/22/89

% Moisture: not dec. __15 Date Analyzed: 12/27/89

Column: (pack/cap) PACK__ Dilution Factor: 1.0_____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	12	U
74-83-9	Bromomethane	12	U
75-01-4	Vinyl Chloride	12	U
75-00-3	Chloroethane	12	U
75-09-2	Methylene Chloride	6	U
67-64-1	Acetone	12	U
75-15-0	Carbon Disulfide	6	U
75-35-4	1,1-Dichloroethene	6	U
75-34-3	1,1-Dichloroethane	6	U
540-59-0	1,2-Dichloroethene (total)	6	U
67-66-3	Chloroform	6	U
107-06-2	1,2-Dichloroethane	6	U
78-93-3	2-Butanone	12	U
71-55-6	1,1,1-Trichloroethane	6	U
56-23-5	Carbon Tetrachloride	6	U
108-05-4	Vinyl Acetate	12	U
75-27-4	Bromodichloromethane	6	U
78-87-5	1,2-Dichloropropane	6	U
10061-01-5	cis-1,3-Dichloropropene	6	U
79-01-6	Trichloroethene	6	U
124-48-1	Dibromochloromethane	6	U
79-00-5	1,1,2-Trichloroethane	6	U
71-43-2	Benzene	6	U
10061-02-6	Trans-1,3-Dichloropropene	6	U
75-25-2	Bromoform	6	U
108-10-1	4-Methyl-2-Pentanone	12	U
591-78-6	2-Hexanone	12	U
127-18-4	Tetrachloroethene	6	U
79-34-5	1,1,2,2-Tetrachloroethane	6	U
108-88-3	Toluene	6	U
108-90-7	Chlorobenzene	6	U
100-41-4	Ethylbenzene	6	U
100-42-5	Styrene	6	U
1330-20-7	Xylene (total)	6	U

4034

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

219808

Lab Name: PNELI_____ Contract: INEL_____

Lab Code: PNELI__ Case No.: 2198__ SAS No.: _____ SDG No.: CPP55_

Matrix: (soil/water) SOIL__ Lab Sample ID: 2198-08_____

Sample wt/vol: __5.0 (g/mL) G___ Lab File ID: A3772_____

Level: (low/med) LOW___ Date Received: 12/22/89

% Moisture: not dec. __15 Date Analyzed: 12/27/89

Column (pack/cap) PACK__ Dilution Factor: 1.0_____

Number TICs found: __0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

4035

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

219811

Lab Name: PNELI_____ Contract: INEL_____

Lab Code: PNELI__ Case No.: 2198__ SAS No.: _____ SDG No.: CPP55_

Matrix: (soil/water) SOIL__ Lab Sample ID: 2198-11_____

Sample wt/vol: __5.0 (g/mL) G___ Lab File ID: A3780_____

Level: (low/med) LOW___ Date Received: 12/22/89

% Moisture: not dec. ___2 Date Analyzed: 12/28/89

Column: (pack/cap) PACK__ Dilution Factor: 1.0_____

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

4036

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

219811

Lab Name: PNELI_____ Contract: INEL_____

Lab Code: PNELI__ Case No.: 2198__ SAS No.: _____ SDG No.: CPP55_

Matrix: (soil/water) SOIL__ Lab Sample ID: 2198-11_____

Sample wt/vol: __5.0 (g/mL) G___ Lab File ID: A3780_____

Level: (low/med) LOW___ Date Received: 12/22/89

% Moisture: not dec. ___2 Date Analyzed: 12/28/89

Column (pack/cap) PACK__ Dilution Factor: 1.0_____

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

Number TICs found: __0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

4037

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

219814

Lab Name: PNELI_____ Contract: INEL_____

Lab Code: PNELI__ Case No.: 2198__ SAS No.: _____ SDG No.: CPP55_

Matrix: (soil/water) SOIL__ Lab Sample ID: 2198-14_____

Sample wt/vol: __5.0 (g/mL) G___ Lab File ID: A3781_____

Level: (low/med) LOW___ Date Received: 12/22/89

% Moisture: not dec. __10 Date Analyzed: 12/28/89

Column: (pack/cap) PACK__ Dilution Factor: 1.0_____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	11	U
74-83-9	Bromomethane	11	U
75-01-4	Vinyl Chloride	11	U
75-00-3	Chloroethane	11	U
75-09-2	Methylene Chloride	6	U
67-64-1	Acetone	11	U
75-15-0	Carbon Disulfide	6	U
75-35-4	1,1-Dichloroethene	6	U
75-34-3	1,1-Dichloroethane	6	U
540-59-0	1,2-Dichloroethene (total)	6	U
67-66-3	Chloroform	6	U
107-06-2	1,2-Dichloroethane	6	U
78-93-3	2-Butanone	2	BJ
71-55-6	1,1,1-Trichloroethane	6	U
56-23-5	Carbon Tetrachloride	6	U
108-05-4	Vinyl Acetate	11	U
75-27-4	Bromodichloromethane	6	U
78-87-5	1,2-Dichloropropane	6	U
10061-01-5	cis-1,3-Dichloropropene	6	U
79-01-6	Trichloroethene	6	U
124-48-1	Dibromochloromethane	6	U
79-00-5	1,1,2-Trichloroethane	6	U
71-43-2	Benzene	6	U
10061-02-6	Trans-1,3-Dichloropropene	6	U
75-25-2	Bromoform	6	U
108-10-1	4-Methyl-2-Pentanone	11	U
591-78-6	2-Hexanone	11	U
127-18-4	Tetrachloroethene	6	U
79-34-5	1,1,2,2-Tetrachloroethane	6	U
108-88-3	Toluene	6	U
108-90-7	Chlorobenzene	6	U
100-41-4	Ethylbenzene	6	U
100-42-5	Styrene	6	U
1330-20-7	Xylene (total)	6	U

4038

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

219814

Lab Name: FNELI_____ Contract: INEL_____

Lab Code: FNELI__ Case No.: 2198__ SAS No.: _____ SDG No.: CPP55_

Matrix: (soil/water) SOIL__ Lab Sample ID: 2198-14_____

Sample wt/vol: __5.0 (g/mL) G___ Lab File ID: A3781_____

Level: (low/med) LOW___ Date Received: 12/22/89

% Moisture: not dec. __10 Date Analyzed: 12/28/89

Column (pack/cap) PACK__ Dilution Factor: 1.0_____

Number TICs found: __0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

4039

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

219817

Lab Name: PNELI_____ Contract: INEL_____

Lab Code: PNELI__ Case No.: 2198__ SAS No.: _____ SDG No.: CPP55_

Matrix: (soil/water) SOIL__ Lab Sample ID: 2198-17_____

Sample wt/vol: __5.0 (g/mL) G___ Lab File ID: A3782_____

Level: (low/med) LOW___ Date Received: 12/22/89

% Moisture: not dec. ___5 Date Analyzed: 12/28/89

Column: (pack/cap) PACK__ Dilution Factor: 1.0_____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	11	U
74-83-9	Bromomethane	11	U
75-01-4	Vinyl Chloride	11	U
75-00-3	Chloroethane	11	U
75-09-2	Methylene Chloride	5	U
67-64-1	Acetone	7	J
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	11	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	11	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	Trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	11	U
591-78-6	2-Hexanone	11	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U

4040

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

219817

Lab Name: PNELI_____ Contract: INEL_____

Lab Code: PNELI__ Case No.: 2198__ SAS No.: _____ SDG No.: CPP55_

Matrix: (soil/water) SOIL__ Lab Sample ID: 2198-17_____

Sample wt/vol: __5.0 (g/mL) G___ Lab File ID: A3782_____

Level: (low/med) LOW___ Date Received: 12/22/89

% Moisture: not dec. ___5 Date Analyzed: 12/28/89

Column (pack/cap) PACK__ Dilution Factor: 1.0_____

Number TICs found: __0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

4041

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

KPP55-05-TX-6-1

PNEL Contract: _____

Case No.: _____ SAS No.: _____ SDG No.: _____

.1/water): Soil Lab Sample ID: 2198-01

med): low Date Received: 12/22/89

96.3

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic	4.7		N	F
7440-39-3	Barium	86.2			P
7440-41-7	Beryllium				
7440-43-9	Cadmium	1.0	U	N	P
7440-70-2	Calcium				
7440-47-3	Chromium	23.8		N*	P
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron	9680			P
7439-92-1	Lead	6.8			F
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury	0.12			CV
7440-02-0	Nickel	17.9			P
7440-09-7	Potassium				
7782-49-2	Selenium	0.58	U	N E	F
7440-22-4	Silver	2.0			P
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				
	Cyanide				

: _____ Clarity Before: _____ Texture: Coarse

Coarse

Clarity After: _____ Artifacts: Yes

Yes

artifacts : rocks

4003

4001

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1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

CPP55-05A-TX-1-4

Lab Name: PNEL Contract: _____

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

Matrix (soil/water): Soil Lab Sample ID: 2198-04

Level (low/med): low Date Received: 12/22/89

% Solids: 93.6

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic	5.7		N	F
7440-39-3	Barium	183			P
7440-41-7	Beryllium				
7440-43-9	Cadmium	1.0	U	N	P
7440-70-2	Calcium				
7440-47-3	Chromium	32.6		N*	P
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron	17100			P
7439-92-1	Lead	10.1			F
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury	0.19			CV
7440-02-0	Nickel	24.3			P
7440-09-7	Potassium				
7782-49-2	Selenium	0.58	U	N,E	F
7440-22-4	Silver	3.0			P
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				
	Cyanide				

Color Before: _____ Clarity Before: _____ Texture: Coarse

Color After: _____ Clarity After: _____ Artifacts: Yes

Comments:

artifacts : rocks

4002

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1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

CPPSS-07-TX-1-7

Lab Name: PNEL Contract: _____

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

Matrix (soil/water): Soil Lab Sample ID: 2198-07

Level (low/med): low Date Received: 12/22/89

% Solids: 94.7

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic	5.6		N	F
7440-39-3	Barium	134			P
7440-41-7	Beryllium				
7440-43-9	Cadmium	1.0	U	N	P
7440-70-2	Calcium				
7440-47-3	Chromium	21.8		N*	P
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron	13000			P
7439-92-1	Lead	8.4			F
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury	0.58			CV
7440-02-0	Nickel	18.6			P
7440-09-7	Potassium				
7782-49-2	Selenium	0.61	U	N E	F
7440-22-4	Silver	2.1			P
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				
	Cyanide				

Color Before: _____ Clarity Before: _____ Texture: Coarse

Color After: _____ Clarity After: _____ Artifacts: Yes

Comments:

artifacts : rocks

4003

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1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

BPP55-07-TX-3-10

Lab Name: PNEL Contract: _____

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

Matrix (soil/water): Soil Lab Sample ID: 2198-10

Level (low/med): low Date Received: 12/22/89

% Solids: 96.2

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic	13.4		N	F
7440-39-3	Barium	106			P
7440-41-7	Beryllium				
7440-43-9	Cadmium	1.0	U	N	P
7440-70-2	Calcium				
7440-47-3	Chromium	21.1		N*	P
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron	11800			P
7439-92-1	Lead	9.6			F
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury	0.05			CV
7440-02-0	Nickel	17.5			P
7440-09-7	Potassium				
7782-49-2	Selenium	0.53	U	NE	F
7440-22-4	Silver	2.0	U		P
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				
	Cyanide				

Color Before: _____ Clarity Before: _____ Texture: coarse

Color After: _____ Clarity After: _____ Artifacts: Yes

Comments:

artifacts : rocks

4004

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1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

KPPS5-07-TX-6-13

Lab Name: PNEL Contract: _____

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

Matrix (soil/water): Soil Lab Sample ID: 2198-13

Level (low/med): low Date Received: 12/22/89

% Solids: 96.8

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic	8.0		N	F
7440-39-3	Barium	82.0			P
7440-41-7	Beryllium				
7440-43-9	Cadmium	1.0	U	N	P
7440-70-2	Calcium				
7440-47-3	Chromium	15.8		N*	P
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron	8660			P
7439-92-1	Lead	14.5			F
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury	0.05			CV
7440-02-0	Nickel	16.0			P
7440-09-7	Potassium				
7782-49-2	Selenium	0.50	U	NE	F
7440-22-4	Silver	2.0	U		P
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				
	Cyanide				

Color Before: _____ Clarity Before: _____ Texture: coarse

Color After: _____ Clarity After: _____ Artifacts: Yes

Comments:

artifacts : rocks

4005

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1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

KPP55-10-TX-1-16

Lab Name: PNEL Contract: _____

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

Matrix (soil/water): Soil Lab Sample ID: 2198-16

Level (low/med): low Date Received: 12/22/89

% Solids: 93.1

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic	4.7		N	F
7440-39-3	Barium	181			P
7440-41-7	Beryllium				
7440-43-9	Cadmium	1.0	U	N	P
7440-70-2	Calcium				
7440-47-3	Chromium	29.9		N *	P
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron	17200			P
7439-92-1	Lead	9.0			F
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury	0.49			CV
7440-02-0	Nickel	24.1			P
7440-09-7	Potassium				
7782-49-2	Selenium	0.56	U	NE	F
7440-22-4	Silver	2.3			P
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				
	Cyanide				

Color Before: _____ Clarity Before: _____ Texture: coarse

Color After: _____ Clarity After: _____ Artifacts: Yes

Comments:

artifacts : rocks

9004

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PACIFIC NORTHWEST ENVIRONMENTAL LABORATORY

Client No: 30-891206

ORGANIC ANALYSIS REPORT

Customer #	CPP55-01-V2V3-1-2
PNEL #	2186-02
Sample Description	CPP55-01 @ 1'
Matrix	Soil
Date Received	12-20-89
Date Sample Extracted:	12-26-89
Date Analyzed	01-05-90
Units of Measure	ug/kg
Sample Weight	.020 kg

Compound	
Mineral Spirits*	22000 (B)
% Solids	94.0%

* This is not a definitive identification. Any hydrocarbon occuring within the approximate boiling range of the mineral spirits standard is characterized as, and quantitated as, mineral spirits.

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PACIFIC NORTHWEST ENVIRONMENTAL LABORATORY

Client No: 30-891206

ORGANIC ANALYSIS REPORT

Customer #	CPP55-01-V2V3-1-2
PNEL #	2186-02MS
Sample Description	CPP55-01 @ 1' Matrix Spike
Matrix	Soil
Date Received	12-20-89
Date Sample Extracted:	12-26-89
Date Analyzed	01-05-90
Units of Measure	ug/kg
Sample Weight	.020 kg

Compound	
Mineral Spirits*	69000 (B)
% Solids	94.0%

* This is not a definitive identification. Any hydrocarbon occuring within the approximate boiling range of the mineral spirits standard is characterized as, and quantitated as, mineral spirits.

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PACIFIC NORTHWEST ENVIRONMENTAL LABORATORY

Client No: 30-891206

ORGANIC ANALYSIS REPORT

Customer #	CPP55-01-V2V3-1-2
PNEL #	2186-02MSD
Sample Description	CPP55-01 @ 1' Matrix Spike Duplicate
Matrix	Soil
Date Received	12-20-89
Date Sample Extracted:	12-26-89
Date Analyzed	01-05-90
Units of Measure	ug/kg
Sample Weight	.020 kg

Compound	
Mineral Spirits	70000 (B)
% Solids	94.0%

* This is not a definitive identification. Any hydrocarbon occuring within the approximate boiling range of the mineral spirits standard is characterized as, and quantitated as, mineral spirits.

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PACIFIC NORTHWEST ENVIRONMENTAL LABORATORY

Client No: 30-891206

ORGANIC ANALYSIS REPORT

Customer #	CPP55-01-V3-4-EB
PNEL #	2186-04
Sample Description	CPP55-01
Matrix	Water
Date Received	12-20-89
Date Sample Extracted:	12-21-89
Date Analyzed	01-05-90
Units of Measure	ug/L
Sample Volume	.838 L

Compound	
Mineral Spirits*	410 (B)

* This is not a definitive identification. Any hydrocarbon occuring within the approximate boiling range of the mineral spirits standard is characterized as, and quantitated as, mineral spirits.

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PACIFIC NORTHWEST ENVIRONMENTAL LABORATORY

Client No: 30-891206

ORGANIC ANALYSIS REPORT

Customer #	CPP55-01-V3-3-7
PNEL #	2186-07
Sample Description	CPP55-01 @ 3'
Matrix	Soil
Date Received	12-20-89
Date Sample Extracted:	12-26-89
Date Analyzed	01-05-90
Units of Measure	ug/kg
Sample Weight	.020 kg

Compound	
Mineral Spirits*	16000 (B)
% Solids	95.4%

* This is not a definitive identification. Any hydrocarbon occuring within the approximate boiling range of the mineral spirits standard is characterized as, and quantitated as, mineral spirits.

PACIFIC NORTHWEST ENVIRONMENTAL LABORATORY

Client No: 30-891206

ORGANIC ANALYSIS REPORT

Customer #	CPP55-01-V3-6-10
PNEL #	2186-10
Sample Description	CPP55-01 @ 6'
Matrix	Soil
Date Received	12-20-89
Date Sample Extracted:	12-26-89
Date Analyzed	01-05-90
Units of Measure	ug/kg
Sample Weight	.020 kg

Compound	
Mineral Spirits*	23000 (B)
% Solids	94.8%

* This is not a definitive identification. Any hydrocarbon occuring within the approximate boiling range of the mineral spirits standard is characterized as, and quantitated as, mineral spirits.

\OAD-1206.186

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4063