

US EPA ARCHIVE DOCUMENT

Appendix E

Certificates Of Analysis Groundwater Samples

ANALYTICAL RESULTS SUMMARY

PROJECT NAME: Peterson/Puritan Superfund site

EA ENGINEERING, SCIENCE, & TECHNOLOGY, INC.
2350 POST ROAD
WARWICK, RI 02886
4017363440

CHEMTECH PROJECT NO.
ATTENTION:

R2897
Sam Whitin

Volatiles

DG No.: R2897

Client: EA Engineering, Science, & Technology, Inc.

Sample ID: R2897-01

Client ID: MW-EA-1

Date Collected: 6/15/03

Date Received: 6/17/03

Date Analyzed: 6/19/03

Matrix: WATER

File ID: VF061817.D

Analytical Run ID: VF061803

Dilution: 1

Instrument ID: MSVOAF

Analytical Method: OLC2.1

Associated Blank: VBF0618W1

Sample Wt/Wol: 25.0 Units: mL

Soil Extract Vol:

Soil Aliquot Vol:

% Moisture: 100

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
ALPHAS						
1,1-Dichloroethane	75-71-8	< 0.50	U	1.0	0.50	ug/L
1,1-Dibromomethane	74-87-3	< 0.50	U	1.0	0.50	ug/L
1,1-Dichloroethene	75-01-4	< 0.50	U	1.0	0.50	ug/L
1,1-Dibromomethane	74-83-9	< 0.50	U	1.0	0.50	ug/L
1,1-Dibromoethane	75-00-3	< 0.50	U	1.0	0.50	ug/L
1,1-Dibromofluoromethane	75-69-4	< 0.50	U	1.0	0.50	ug/L
1,1,2-Trichlorotrifluoroethane	76-13-1	< 0.50	U	1.0	0.50	ug/L
1,1-Dichloroethene	75-35-4	< 0.50	U	1.0	0.50	ug/L
1,1-Dibromoethane	67-64-1	< 2.5	U	5.0	2.5	ug/L
1,1-Dibromodisulfide	75-15-0	< 0.50	U	1.0	0.50	ug/L
1,1-Dibromotert-butyl Ether	1634-04-4	< 0.50	U	1.0	0.50	ug/L
1,1-Dibromyl Acetate	79-20-9	< 0.50	U	1.0	0.50	ug/L
1,1-Dibromethylene Chloride	75-09-2	< 0.50	U	2.0	0.50	ug/L
1,1,2-Dichloroethene	156-60-5	< 0.50	U	1.0	0.50	ug/L
1,1-Dichloroethane	75-34-3	< 0.50	U	1.0	0.50	ug/L
1,1-Dichlorohexane	110-82-7	< 0.50	U	1.0	0.50	ug/L
1,1-Dibromone	78-93-3	< 2.5	U	5.0	2.5	ug/L
1,1-Dibromotetrachloride	56-23-5	< 0.50	U	1.0	0.50	ug/L
1,1,2-Dichloroethene	156-59-2	< 0.50	U	1.0	0.50	ug/L
1,1-Dibromoform	67-66-3	< 0.50	U	1.0	0.50	ug/L
1,1,1-Trichloroethane	71-55-6	< 0.50	U	1.0	0.50	ug/L
1,1-Dibromocyclohexane	108-87-2	< 0.50	U	1.0	0.50	ug/L
1,1-Dibromene	71-43-2	< 0.50	U	1.0	0.50	ug/L
1,1-Dichloroethane	107-06-2	< 0.50	U	1.0	0.50	ug/L
1,1-Dichloroethene	79-01-6	< 0.50	U	1.0	0.50	ug/L
1,1-Dichloropropane	78-87-5	< 0.50	U	1.0	0.50	ug/L
1,1-Dibromodichloromethane	75-27-4	< 0.50	U	1.0	0.50	ug/L
1,1-Dibromyl-2-Pentanone	108-10-1	< 2.5	U	5.0	2.5	ug/L
1,1-Dibromene	108-88-3	< 0.50	U	1.0	0.50	ug/L
1,3-Dichloropropene	10061-02-6	< 0.50	U	1.0	0.50	ug/L
1,3-Dichloropropene	10061-01-5	< 0.50	U	1.0	0.50	ug/L
1,2-Trichloroethane	79-00-5	< 0.50	U	1.0	0.50	ug/L
1,2-Dibromone	591-78-6	< 2.5	U	5.0	2.5	ug/L
1,2-Dibromochloromethane	124-48-1	< 0.50	U	1.0	0.50	ug/L

Volatiles

Volatiles

DG No.: R2897

Client: EA Engineering, Science, & Technology, Inc.

Sample ID:	R2897-02	Client ID:	MW-EA-2
Date Collected:	6/15/03	Date Received:	6/17/03
Date Analyzed:	6/19/03	Matrix:	WATER
File ID:	VF061818.D	Analytical Run ID:	VF061803
Flution:	1	Instrument ID:	MSVOAF
Analytical Method:	OLC2.1	Associated Blank:	VB061801
Sample Wt/Wol:	25.0	Soil Extract Vol:	
Soil Aliquot Vol:		% Moisture:	100

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
HALOGENATED COMPOUNDS						
chlorodifluoromethane	75-71-8	< 0.50	U	1.0	0.50	ug/L
chloromethane	74-87-3	< 0.50	U	1.0	0.50	ug/L
monochloride	75-01-4	< 0.50	U	1.0	0.50	ug/L
monomethane	74-83-9	< 0.50	U	1.0	0.50	ug/L
diethane	75-00-3	< 0.50	U	1.0	0.50	ug/L
chlorofluoromethane	75-69-4	< 0.50	U	1.0	0.50	ug/L
1,2-Trichlorotrifluoroethane	76-13-1	< 0.50	U	1.0	0.50	ug/L
1,1-Dichloroethene	75-35-4	< 0.50	U	1.0	0.50	ug/L
acetone	67-64-1	< 2.5	U	5.0	2.5	ug/L
carbon disulfide	75-15-0	< 0.50	U	1.0	0.50	ug/L
tert-butyl Ether	1634-04-4	< 0.50	U	1.0	0.50	ug/L
ethyl Acetate	79-20-9	< 0.50	U	1.0	0.50	ug/L
ethylene Chloride	75-09-2	< 0.50	U	2.0	0.50	ug/L
1,1,2-Dichloroethene	156-60-5	< 0.50	U	1.0	0.50	ug/L
1,2-Dichloroethane	75-34-3	< 0.50	U	1.0	0.50	ug/L
cyclohexane	110-82-7	< 0.50	U	1.0	0.50	ug/L
3-pentanone	78-93-3	< 2.5	U	5.0	2.5	ug/L
carbon Tetrachloride	56-23-5	< 0.50	U	1.0	0.50	ug/L
1,2-Dichloroethene	156-59-2	< 0.50	U	1.0	0.50	ug/L
1,1,1-trichloroethane	67-66-3	< 0.50	U	1.0	0.50	ug/L
1,1,2-Trichloroethane	71-55-6	< 0.50	U	1.0	0.50	ug/L
cyclohexane	108-87-2	< 0.50	U	1.0	0.50	ug/L
acetone	71-43-2	< 0.50	U	1.0	0.50	ug/L
1,2-Dichloroethane	107-06-2	< 0.50	U	1.0	0.50	ug/L
1,1,2-trichloroethane	79-01-6	< 0.50	U	1.0	0.50	ug/L
1,1,2-trichloropropane	78-87-5	< 0.50	U	1.0	0.50	ug/L
1,1,2-trichloromethane	75-27-4	< 0.50	U	1.0	0.50	ug/L
1,1,2,3,4-pentachloro-2-pentanone	108-10-1	< 2.5	U	5.0	2.5	ug/L
acetone	108-88-3	< 0.50	U	1.0	0.50	ug/L
1,3-Dichloropropene	10061-02-6	< 0.50	U	1.0	0.50	ug/L
1,1,2-Dichloropropene	10061-01-5	< 0.50	U	1.0	0.50	ug/L
1,2-Trichloroethane	79-00-5	< 0.50	U	1.0	0.50	ug/L
acetone	591-78-6	< 2.5	U	5.0	2.5	ug/L
1,1,2-trichloromethane	124-48-1	< 0.50	U	1.0	0.50	ug/L

Volatiles

SOG No.: R2897

Client: EA Engineering, Science, & Technology, Inc.

Sample ID: R2897-02

Client ID: MW-EA-2

Date Collected: 6/15/03

Date Received: 6/17/03

Date Analyzed: 6/19/03

Matrix: WATER

File ID: VF061818.D

Analytical Run ID: VF061803

Portion: 1

Instrument ID: MSVOAF

Analytical Method: OLC2.1

Associated Blank: VBF0618W1

Sample Wt/Wol: 25.0 Units: mL

Soil Extract Vol:

Soil Aliquot Vol:

% Moisture: 100

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
Bromoethane	106-93-4	< 0.50	U	1.0	0.50	ug/L
Trichloroethene	127-18-4	< 0.50	U	1.0	0.50	ug/L
Chlorobenzene	108-90-7	< 0.50	U	1.0	0.50	ug/L
Benzene	100-41-4	< 0.50	U	1.0	0.50	ug/L
p-xylenes	136777-61-2	< 0.50	U	1.0	0.50	ug/L
Styrene	95-47-6	< 0.50	U	1.0	0.50	ug/L
Triene	100-42-5	< 0.50	U	1.0	0.50	ug/L
Formoform	75-25-2	< 0.50	U	1.0	0.50	ug/L
p-ylbenzene	98-82-8	< 0.50	U	1.0	0.50	ug/L
1,2-Tetrachloroethane	79-34-5	< 0.50	U	1.0	0.50	ug/L
Dichlorobenzene	541-73-1	< 0.50	U	1.0	0.50	ug/L
Chlorobenzene	106-46-7	< 0.50	U	1.0	0.50	ug/L
Trichlorobenzene	95-50-1	< 0.50	U	1.0	0.50	ug/L
Dibromo-3-Chloropropane	96-12-8	< 0.50	U	1.0	0.50	ug/L
Trichlorobenzene	120-82-1	< 0.50	U	1.0	0.50	ug/L
Trichlorobenzene	87-61-6	< 0.50	U	1.0	0.50	ug/L
Total Xylenes	1330-20-7	< 1.0	U	2.0	1.0	ug/L

I. OGATES

Bromofluorobenzene 460-00-4 5.72 114 % 80 - 120 SPK: 5

I. RNAL STANDARDS

Fluorobenzene	540-36-3	572993	12.16
Chlorobenzene-d5	3114-55-4	490988	20.42
Chlorobenzene-d4	3855-82-1	369362	26.36

Volatiles

LOG No.: R2897

Client: EA Engineering, Science, & Technology, Inc.

Sample ID:	R2897-03	Client ID:	MW-EA-3
Date Collected:	6/15/03	Date Received:	6/17/03
Date Analyzed:	6/19/03	Matrix:	WATER
File ID:	VF061819.D	Analytical Run ID:	VF061803
Location:	1	Instrument ID:	MSVOAF
Analytical Method:	OLC2.1	Associated Blank:	VB0618W1
Sample Wt/Wol:	25.0	Soil Extract Vol:	
Soil Aliquot Vol:		% Moisture:	100

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
ALIPHATICS						
chlorodifluoromethane	75-71-8	< 0.50	U	1.0	0.50	ug/L
chloromethane	74-87-3	< 0.50	U	1.0	0.50	ug/L
monochloride	75-01-4	< 0.50	U	1.0	0.50	ug/L
monomethane	74-83-9	< 0.50	U	1.0	0.50	ug/L
dimethane	75-00-3	< 0.50	U	1.0	0.50	ug/L
monofluoromethane	75-69-4	< 0.50	U	1.0	0.50	ug/L
1,2-Trichlorotrifluoroethane	76-13-1	< 0.50	U	1.0	0.50	ug/L
1,1-dichloroethene	75-35-4	< 0.50	U	1.0	0.50	ug/L
benzene	67-64-1	10		5.0	2.5	ug/L
carbon disulfide	75-15-0	< 0.50	U	1.0	0.50	ug/L
tert-butyl Ether	1634-04-4	0.79	J	1.0	0.50	ug/L
ethyl Acetate	79-20-9	< 0.50	U	1.0	0.50	ug/L
ethylene Chloride	75-09-2	< 0.50	U	2.0	0.50	ug/L
1,2-Dichloroethene	156-60-5	< 0.50	U	1.0	0.50	ug/L
1,1-Dichloroethane	75-34-3	< 0.50	U	1.0	0.50	ug/L
cyclohexane	110-82-7	< 0.50	U	1.0	0.50	ug/L
limonene	78-93-3	< 2.5	U	5.0	2.5	ug/L
carbon Tetrachloride	56-23-5	< 0.50	U	1.0	0.50	ug/L
1,2-Dichloroethene	156-59-2	< 0.50	U	1.0	0.50	ug/L
hexaform	67-66-3	< 0.50	U	1.0	0.50	ug/L
1,1-Trichloroethane	71-55-6	< 0.50	U	1.0	0.50	ug/L
1-cyclohexane	108-87-2	< 0.50	U	1.0	0.50	ug/L
limonene	71-43-2	< 0.50	U	1.0	0.50	ug/L
1,1-Dichloroethane	107-06-2	< 0.50	U	1.0	0.50	ug/L
1,2-Dichloroethene	79-01-6	< 0.50	U	1.0	0.50	ug/L
1,1-Dichloropropane	78-87-5	< 0.50	U	1.0	0.50	ug/L
1,1-dichloromethane	75-27-4	< 0.50	U	1.0	0.50	ug/L
1,2-Pentanone	108-10-1	< 2.5	U	5.0	2.5	ug/L
limonene	108-88-3	0.52	J	1.0	0.50	ug/L
1,1-Dichloropropene	10061-02-6	< 0.50	U	1.0	0.50	ug/L
1,1-Dichloropropene	10061-01-5	< 0.50	U	1.0	0.50	ug/L
1,2-Trichloroethane	79-00-5	< 0.50	U	1.0	0.50	ug/L
limonene	591-78-6	< 2.5	U	5.0	2.5	ug/L
1,1-dichloromethane	124-48-1	< 0.50	U	1.0	0.50	ug/L

Volatiles

SUG No.: R2897

Client: EA Engineering, Science, & Technology, Inc.

Sample ID: R2897-03

Client ID: MW-EA-3

Date Collected: 6/15/03

Date Received: 6/17/03

Date Analyzed: 6/19/03

Matrix: WATER

File ID: VF061819.D

Analytical Run ID: VF061803

Duration: 1

Instrument ID: MSVOAF

Analytical Method: OLC2.1

Associated Blank: VBF0618W1

Sample Wt/Wol: 25.0 Units: mL

Soil Extract Vol:

Soil Aliquot Vol:

% Moisture: 100

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
1,1-Dibromoethane	106-93-4	< 0.50	U	1.0	0.50	ug/L
1,1-Dichloroethene	127-18-4	< 0.50	U	1.0	0.50	ug/L
1,2-Dichlorobenzene	108-90-7	< 0.50	U	1.0	0.50	ug/L
1,3-Dichlorobenzene	100-41-4	< 0.50	U	1.0	0.50	ug/L
1,4-Dichlorobenzene	136777-61-2	< 0.50	U	1.0	0.50	ug/L
1,2-Dichloroethane	95-47-6	< 0.50	U	1.0	0.50	ug/L
1,1,1-Trichloroethane	100-42-5	< 0.50	U	1.0	0.50	ug/L
1,1,1-Trichloroethene	75-25-2	< 0.50	U	1.0	0.50	ug/L
1,2,3-Trichlorobenzene	98-82-8	< 0.50	U	1.0	0.50	ug/L
1,1,2-Trichloroethane	79-34-5	< 0.50	U	1.0	0.50	ug/L
1,1,2-Trichloroethene	541-73-1	< 0.50	U	1.0	0.50	ug/L
1,2,4-Trichlorobenzene	106-46-7	< 0.50	U	1.0	0.50	ug/L
1,2,4-Trichlorobenzene	95-50-1	< 0.50	U	1.0	0.50	ug/L
1,1,2-Trichloropropane	96-12-8	< 0.50	U	1.0	0.50	ug/L
1,2,3-Trichlorobenzene	120-82-1	< 0.50	U	1.0	0.50	ug/L
1,2,4-Trichlorobenzene	87-61-6	< 0.50	U	1.0	0.50	ug/L
1,2,4-Trichlorobenzene	1330-20-7	< 1.0	U	2.0	1.0	ug/L

FUGATES

Bromofluorobenzene 460-00-4 6.02 120 % 80 - 120 SPK: 5

INTERNAL STANDARDS

1,1,2-Trichlorobenzene	540-36-3	532894	12.16
1,2,3-Trichlorobenzene-d5	3114-55-4	458671	20.42
1,2,4-Trichlorobenzene-d4	3855-82-1	352988	26.36

Volatiles

DG No.: R2897

Client: EA Engineering, Science, & Technology, Inc.

Sample ID:	R2897-04	Client ID:	MW-EA-4
Date Collected:	6/15/03	Date Received:	6/17/03
Date Analyzed:	6/19/03	Matrix:	WATER
File ID:	VF061820.D	Analytical Run ID:	VF061803
Portion:	1	Instrument ID:	MSVOAF
Analytical Method:	OLC2.1	Associated Blank:	VB0618WI
Sample Wt/Wol:	25.0	Soil Extract Vol:	
Soil Aliquot Vol:		% Moisture:	100

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
HALOGENATED COMPOUNDS						
Chlorodifluoromethane	75-71-8	< 0.50	U	1.0	0.50	ug/L
Dibromomethane	74-87-3	< 0.50	U	1.0	0.50	ug/L
Monochloride	75-01-4	< 0.50	U	1.0	0.50	ug/L
Bromomethane	74-83-9	< 0.50	U	1.0	0.50	ug/L
Dibromethane	75-00-3	< 0.50	U	1.0	0.50	ug/L
Chlorofluoromethane	75-69-4	< 0.50	U	1.0	0.50	ug/L
1,2-Trichlorotrifluoroethane	76-13-1	< 0.50	U	1.0	0.50	ug/L
1,1-Dichloroethene	75-35-4	< 0.50	U	1.0	0.50	ug/L
Carbon disulfide	67-64-1	< 2.5	U	5.0	2.5	ug/L
tert-butyl Ether	75-15-0	< 0.50	U	1.0	0.50	ug/L
Ethyl Acetate	1634-04-4	< 0.50	U	1.0	0.50	ug/L
Ethylene Chloride	79-20-9	< 0.50	U	1.0	0.50	ug/L
1,2-Dichloroethene	75-09-2	< 0.50	U	2.0	0.50	ug/L
1,1-Dichloroethane	156-60-5	< 0.50	U	1.0	0.50	ug/L
1,1-Dichloroethane	75-34-3	< 0.50	U	1.0	0.50	ug/L
Cyclohexane	110-82-7	< 0.50	U	1.0	0.50	ug/L
Benzene	78-93-3	< 2.5	U	5.0	2.5	ug/L
Carbon Tetrachloride	56-23-5	< 0.50	U	1.0	0.50	ug/L
1,2-Dichloroethene	156-59-2	< 0.50	U	1.0	0.50	ug/L
Chloroform	67-66-3	< 0.50	U	1.0	0.50	ug/L
1,1-Trichloroethane	71-55-6	< 0.50	U	1.0	0.50	ug/L
1,4-Dichlorobenzene	108-87-2	< 0.50	U	1.0	0.50	ug/L
Benzene	71-43-2	< 0.50	U	1.0	0.50	ug/L
Dichloroethane	107-06-2	< 0.50	U	1.0	0.50	ug/L
1,1-Dichloroethene	79-01-6	< 0.50	U	1.0	0.50	ug/L
1,1-Dichloropropane	78-87-5	< 0.50	U	1.0	0.50	ug/L
1,1-Dichloromethane	75-27-4	< 0.50	U	1.0	0.50	ug/L
2-Pentanone	108-10-1	< 2.5	U	5.0	2.5	ug/L
Benzene	108-88-3	< 0.50	U	1.0	0.50	ug/L
1,3-Dichloropropene	10061-02-6	< 0.50	U	1.0	0.50	ug/L
1,2-Dichloropropene	10061-01-5	< 0.50	U	1.0	0.50	ug/L
1,1-Trichloroethane	79-00-5	< 0.50	U	1.0	0.50	ug/L
Benzene	591-78-6	< 2.5	U	5.0	2.5	ug/L
1,1-Dichloromethane	124-48-1	< 0.50	U	1.0	0.50	ug/L

Volatiles

SBBG No.: R2897

Client: EA Engineering, Science, & Technology, Inc.

Sample ID: R2897-04

Client ID: MW-EA-4

Date Collected: 6/15/03

Date Received: 6/17/03

Date Analyzed: 6/19/03

Matrix: WATER

File ID: VF061820.D

Analytical Run ID: VF061803

Duration: 1

Instrument ID: MSVOAF

Analytical Method: OLC2.1

Associated Blank: VBF0618VW1

Sample Wt/Wol: 25.0 Units: mL

Soil Extract Vol:

Soil Aliquot Vol:

% Moisture: 100

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
Bromoethane	106-93-4	< 0.50	U	1.0	0.50	ug/L
Trichloroethene	127-18-4	< 0.50	U	1.0	0.50	ug/L
1,2-Dichlorobenzene	108-90-7	< 0.50	U	1.0	0.50	ug/L
1,4-Dichlorobenzene	100-41-4	< 0.50	U	1.0	0.50	ug/L
1,3-Dichlorobenzene	136777-61-2	< 0.50	U	1.0	0.50	ug/L
1,2-Dichloroethane	95-47-6	< 0.50	U	1.0	0.50	ug/L
1,1-Dichloroethane	100-42-5	< 0.50	U	1.0	0.50	ug/L
1,1,1-Trichloroethane	75-25-2	< 0.50	U	1.0	0.50	ug/L
1,2,3-Trichlorobenzene	98-82-8	< 0.50	U	1.0	0.50	ug/L
1,2,4-Trichlorobenzene	79-34-5	< 0.50	U	1.0	0.50	ug/L
1,3,5-Trichlorobenzene	541-73-1	< 0.50	U	1.0	0.50	ug/L
1,2,4-Trichlorobenzene	106-46-7	< 0.50	U	1.0	0.50	ug/L
1,1,2-Trichloroethane	95-50-1	< 0.50	U	1.0	0.50	ug/L
1,1,1-Trichloroethane	96-12-8	< 0.50	U	1.0	0.50	ug/L
1,1,2-Trichloroethane	120-82-1	< 0.50	U	1.0	0.50	ug/L
1,3,5-Trichlorobenzene	87-61-6	< 0.50	U	1.0	0.50	ug/L
1,2,4-Trichlorobenzene	1330-20-7	< 1.0	U	2.0	1.0	ug/L

FUGATES

Bromofluorobenzene 460-00-4 5.96 119 % 80 - 120 SPK: 5

INTERNAL STANDARDS

1,2-Dichlorobenzene	540-36-3	517622	12.16
1,4-Dichlorobenzene-d5	3114-55-4	452224	20.42
1,2-Dichlorobenzene-d4	3855-82-1	346870	26.35

Volatiles

SDG No.: R2897

Client: EA Engineering, Science, & Technology, Inc.

Sample ID:	R2897-05	Client ID:	DUP-01
Date Collected:	6/15/03	Date Received:	6/17/03
Date Analyzed:	6/19/03	Matrix:	WATER
File ID:	VF061821.D	Analytical Run ID:	VF061803
Injection:	1	Instrument ID:	MSVOAF
Analytical Method:	OLC2.1	Associated Blank:	VB0618W1
Sample Wt/Wol:	25.0	Soil Extract Vol:	
Aliquot Vol:		% Moisture:	100

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
RESULTS						
Chlorodifluoromethane	75-71-8	< 0.50	U	1.0	0.50	ug/L
Chloromethane	74-87-3	< 0.50	U	1.0	0.50	ug/L
Chloroethane	75-01-4	< 0.50	U	1.0	0.50	ug/L
Chloroethane	74-83-9	< 0.50	U	1.0	0.50	ug/L
Chloroethane	75-00-3	< 0.50	U	1.0	0.50	ug/L
Chlorofluoromethane	75-69-4	< 0.50	U	1.0	0.50	ug/L
1,2-Trichlorotrifluoroethane	76-13-1	< 0.50	U	1.0	0.50	ug/L
1,1-Dichloroethene	75-35-4	< 0.50	U	1.0	0.50	ug/L
Carbon disulfide	67-64-1	< 2.5	U	5.0	2.5	ug/L
tert-butyl Ether	75-15-0	< 0.50	U	1.0	0.50	ug/L
tert-butyl Acetate	1634-04-4	< 0.50	U	1.0	0.50	ug/L
1,2-Dichloroethene	79-20-9	< 0.50	U	1.0	0.50	ug/L
1,2-Dichloroethene	75-09-2	< 0.50	U	2.0	0.50	ug/L
1,2-Dichloroethene	156-60-5	< 0.50	U	1.0	0.50	ug/L
1,2-Dichloroethane	75-34-3	< 0.50	U	1.0	0.50	ug/L
1,2-Dichloroethane	110-82-7	< 0.50	U	1.0	0.50	ug/L
1,2-Dichloroethane	78-93-3	< 2.5	U	5.0	2.5	ug/L
Carbon Tetrachloride	56-23-5	< 0.50	U	1.0	0.50	ug/L
1,1-Dichloroethene	156-59-2	< 0.50	U	1.0	0.50	ug/L
1,1-Dichloroethene	67-66-3	< 0.50	U	1.0	0.50	ug/L
1,1-Dichloroethane	71-55-6	< 0.50	U	1.0	0.50	ug/L
1,1-Dichloroethane	108-87-2	< 0.50	U	1.0	0.50	ug/L
1,1-Dichloroethane	71-43-2	< 0.50	U	1.0	0.50	ug/L
1,1-Dichloroethane	107-06-2	< 0.50	U	1.0	0.50	ug/L
1,1-Dichloroethane	79-01-6	< 0.50	U	1.0	0.50	ug/L
1,1-Dichloropropane	78-87-5	< 0.50	U	1.0	0.50	ug/L
1,1-Dichloromethane	75-27-4	< 0.50	U	1.0	0.50	ug/L
1,1-Dichloro-2-Pentanone	108-10-1	< 2.5	U	5.0	2.5	ug/L
1,1-Dichloro-2-Pentanone	108-88-3	< 0.50	U	1.0	0.50	ug/L
1,1-Dichloropropene	10061-02-6	< 0.50	U	1.0	0.50	ug/L
1,1-Dichloropropene	10061-01-5	< 0.50	U	1.0	0.50	ug/L
1,2-Trichloroethane	79-00-5	< 0.50	U	1.0	0.50	ug/L
1,2-Dichloroethane	591-78-6	< 2.5	U	5.0	2.5	ug/L
1,2-Dichloromethane	124-48-1	< 0.50	U	1.0	0.50	ug/L

Volatiles

DG No.: R2897

Client: EA Engineering, Science, & Technology, Inc.

Sample ID:	R2897-05	Client ID:	DUP-01
Date Collected:	6/15/03	Date Received:	6/17/03
Date Analyzed:	6/19/03	Matrix:	WATER
File ID:	VF061821.D	Analytical Run ID:	VF061803
Dilution:	1	Instrument ID:	MSVOAF
Analytical Method:	OLC2.1	Associated Blank:	VB0618WI
Sample Wt/Wol:	25.0	Soil Extract Vol:	
Soil Aliquot Vol:		% Moisture:	100

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
1,2-Dibromoethane	106-93-4	< 0.50	U	1.0	0.50	ug/L
1,1,2,2-Tetrachloroethene	127-18-4	< 0.50	U	1.0	0.50	ug/L
1,4-Dichlorobenzene	108-90-7	< 0.50	U	1.0	0.50	ug/L
1,2-Dichlorobenzene	100-41-4	< 0.50	U	1.0	0.50	ug/L
m,p-Xylenes	136777-61-2	< 0.50	U	1.0	0.50	ug/L
o-Xylene	95-47-6	< 0.50	U	1.0	0.50	ug/L
o-Y-xylene	100-42-5	< 0.50	U	1.0	0.50	ug/L
1,1,1-Trichloroethane	75-25-2	< 0.50	U	1.0	0.50	ug/L
1,4-Dichlorobenzene	98-82-8	< 0.50	U	1.0	0.50	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	< 0.50	U	1.0	0.50	ug/L
1,3-Dichlorobenzene	541-73-1	< 0.50	U	1.0	0.50	ug/L
1,4-Dichlorobenzene	106-46-7	< 0.50	U	1.0	0.50	ug/L
1,2-Dichlorobenzene	95-50-1	< 0.50	U	1.0	0.50	ug/L
1,2-Dibromo-3-Chloropropane	96-12-8	< 0.50	U	1.0	0.50	ug/L
1,2,4-Trichlorobenzene	120-82-1	< 0.50	U	1.0	0.50	ug/L
1,2,5-Trichlorobenzene	87-61-6	< 0.50	U	1.0	0.50	ug/L
1,2,4-Trichlorobenzene	1330-20-7	< 1.0	U	2.0	1.0	ug/L

PROGATES

1,2,4-Trichlorobenzene	460-00-4	5.97	119 %	80 - 120	SPK: 5
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INTERNAL STANDARDS

1,2,4-Trichlorobenzene	540-36-3	491188	12.16
1,2,4-Trichlorobenzene-d5	3114-55-4	431896	20.42
1,2,4-Trichlorobenzene-d4	3855-82-1	321305	26.36

Volatiles

DG No.: R2897

Client: EA Engineering, Science, & Technology, Inc.

Sample ID: R2897-06

Client ID: TRIPBLANK

Date Collected: 6/15/03

Date Received: 6/17/03

Date Analyzed: 6/18/03

Matrix: WATER

File ID: VF061813.D

Analytical Run ID: VF061803

Dilution: 1

Instrument ID: MSVOAF

Analytical Method: OLC2.1

Associated Blank: VBF0618W1

Sample Wt/Wol: 25.0 Units: mL

Soil Extract Vol:

Soil Aliquot Vol:

% Moisture: 100

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
ALPHAS						
1,1-Dichloroethane	75-71-8	< 0.50	U	1.0	0.50	ug/L
1,1-Dibromomethane	74-87-3	< 0.50	U	1.0	0.50	ug/L
1,1-Dichloroethene	75-01-4	< 0.50	U	1.0	0.50	ug/L
1,1-Dibromomethane	74-83-9	< 0.50	U	1.0	0.50	ug/L
1,1-Dichloroethane	75-00-3	< 0.50	U	1.0	0.50	ug/L
1,1-Dichloroethane	75-69-4	< 0.50	U	1.0	0.50	ug/L
1,1,2-Trichlorotrifluoroethane	76-13-1	< 0.50	U	1.0	0.50	ug/L
1,1-Dichloroethene	75-35-4	< 0.50	U	1.0	0.50	ug/L
1,1-Dichloroethane	67-64-1	< 2.5	U	5.0	2.5	ug/L
1,1-Dichloroethane	75-15-0	< 0.50	U	1.0	0.50	ug/L
1,1-Dichloroethane	1634-04-4	< 0.50	U	1.0	0.50	ug/L
1,1-Dichloroethane	79-20-9	< 0.50	U	1.0	0.50	ug/L
1,1-Dichloroethane	75-09-2	< 0.50	U	2.0	0.50	ug/L
1,1,2-Dichloroethene	156-60-5	< 0.50	U	1.0	0.50	ug/L
1,1-Dichloroethane	75-34-3	< 0.50	U	1.0	0.50	ug/L
1,1-Dichloroethane	110-82-7	< 0.50	U	1.0	0.50	ug/L
1,1-Dichloroethane	78-93-3	< 2.5	U	5.0	2.5	ug/L
1,1-Dichloroethane	56-23-5	< 0.50	U	1.0	0.50	ug/L
1,1-Dichloroethane	156-59-2	< 0.50	U	1.0	0.50	ug/L
1,1-Dichloroethane	67-66-3	< 0.50	U	1.0	0.50	ug/L
1,1-Dichloroethane	71-55-6	< 0.50	U	1.0	0.50	ug/L
1,1-Dichloroethane	108-87-2	< 0.50	U	1.0	0.50	ug/L
1,1-Dichloroethane	71-43-2	< 0.50	U	1.0	0.50	ug/L
1,1-Dichloroethane	107-06-2	< 0.50	U	1.0	0.50	ug/L
1,1-Dichloroethane	79-01-6	< 0.50	U	1.0	0.50	ug/L
1,1-Dichloroethane	78-87-5	< 0.50	U	1.0	0.50	ug/L
1,1-Dichloroethane	75-27-4	< 0.50	U	1.0	0.50	ug/L
1,1-Dichloroethane	108-10-1	< 2.5	U	5.0	2.5	ug/L
1,1-Dichloroethane	108-88-3	< 0.50	U	1.0	0.50	ug/L
1,1-Dichloroethane	10061-02-6	< 0.50	U	1.0	0.50	ug/L
1,1-Dichloroethane	10061-01-5	< 0.50	U	1.0	0.50	ug/L
1,1-Dichloroethane	79-00-5	< 0.50	U	1.0	0.50	ug/L
1,1-Dichloroethane	591-78-6	< 2.5	U	5.0	2.5	ug/L
1,1-Dichloroethane	124-48-1	< 0.50	U	1.0	0.50	ug/L

Volatiles

LOG No.: R2897

Client: EA Engineering, Science, & Technology, Inc.

Sample ID: R2897-06

Client ID: TRIPBLANK

Date Collected: 6/15/03

Date Received: 6/17/03

Date Analyzed: 6/18/03

Matrix: WATER

File ID: VF061813.D

Analytical Run ID: VF061803

Dilution: 1

Instrument ID: MSVOAF

Analytical Method: OLC2.1

Associated Blank: VBF0618W1

Sample Wt/Wol: 25.0 Units: mL

Soil Extract Vol:

Soil Aliquot Vol:

% Moisture: 100

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
Bromobromethane	106-93-4	< 0.50	U	1.0	0.50	ug/L
Trichloroethene	127-18-4	< 0.50	U	1.0	0.50	ug/L
Chlorobenzene	108-90-7	< 0.50	U	1.0	0.50	ug/L
Benzene	100-41-4	< 0.50	U	1.0	0.50	ug/L
p-xylenes	136777-61-2	< 0.50	U	1.0	0.50	ug/L
Styrene	95-47-6	< 0.50	U	1.0	0.50	ug/L
1,4-Dichlorobenzene	100-42-5	< 0.50	U	1.0	0.50	ug/L
Formaldehyde	75-25-2	< 0.50	U	1.0	0.50	ug/L
Propylbenzene	98-82-8	< 0.50	U	1.0	0.50	ug/L
1,2-Dichloroethane	79-34-5	< 0.50	U	1.0	0.50	ug/L
1,3-Dichlorobenzene	541-73-1	< 0.50	U	1.0	0.50	ug/L
1,4-Dichlorobenzene	106-46-7	< 0.50	U	1.0	0.50	ug/L
1,2-Dichlorobenzene	95-50-1	< 0.50	U	1.0	0.50	ug/L
1,1-Dibromo-3-Chloropropane	96-12-8	< 0.50	U	1.0	0.50	ug/L
1,1,2-Trichlorobenzene	120-82-1	< 0.50	U	1.0	0.50	ug/L
1,2,3-Trichlorobenzene	87-61-6	< 0.50	U	1.0	0.50	ug/L
Total Xylenes	1330-20-7	< 1.0	U	2.0	1.0	ug/L

LOGATES

Bromofluorobenzene 460-00-4 5.79 116 % 80 - 120 SPK: 5

INTERNAL STANDARDS

Fluorobenzene	540-36-3	566696	12.19
Chlorobenzene-d5	3114-55-4	494128	20.44
1,2-Dichlorobenzene-d4	3855-82-1	361760	26.37

Hit Summary Report

LOG No.: R2897

Order ID: R2897

Client: EA Engineering, Science, & Technology, Inc.

Project ID: Peterson/Puritan Superfund site

Test: VOC-TCL

Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Client ID:	MW-EA-3							
287-03	MW-EA-3	WATER	Acetone	10		5.0	2.5	ug/L
287-03	MW-EA-3	WATER	Methyl tert-butyl Ether	0.79	J	1.0	0.50	ug/L
2897-03	MW-EA-3	WATER	Toluene	0.52	J	1.0	0.50	ug/L
			Total VOC's:	11.31				
			Total TIC's:	0.00				
			Total VOC's and TIC's:	11.31				

Metals

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MW-EA-1

Lab Name: Chemtech Consulting Group Contract: EA Engineering,
 Lab Code: CHEMED Case No.: _____ SAS No.: R2897 SDG No.: R2897
 Matrix (soil/water): WATER Lab Sample ID: R2897-01
 Level (low/med): LOW Date Received: 6/17/03
 % Solids: 0.0

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

UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	47.7	J		P
7440-36-0	Antimony	4.7	U		P
7440-38-2	Arsenic	2.8	U		P
7440-39-3	Barium	80.7	J		P
7440-41-7	Beryllium	0.10	U		P
7440-43-9	Cadmium	0.40	U		P
7440-70-2	Calcium	36400			P
7440-47-3	Chromium	0.60	U		P
7440-48-4	Cobalt	0.60	U		P
7440-50-8	Copper	1.6	J		P
7439-89-6	Iron	17.3	U		P
7439-92-1	Lead	2.1	U		P
7439-95-4	Magnesium	7110			P
7439-96-5	Manganese	7.9	J	E	P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	1.8	U		P
7440-09-7	Potassium	3690	J	E	P
7782-49-2	Selenium	3.5	J		P
7440-22-4	Silver	1.0	U	N	P
7440-23-5	Sodium	40200		E	P
7440-28-0	Thallium	5.4	U		P
7440-62-2	Vanadium	0.70	U		P
7440-66-6	Zinc	30.8			P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____
 Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments: _____

Metals

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MW-EA-2

Lab Name: Chemtech Consulting GroupContract: EA Engineering,Lab Code: CHEMED

Case No.: _____

SAS No.: R2897SDG No.: R2897Matrix (soil/water): WATERLab Sample ID: R2897-02Level (low/med): LOWDate Received: 6/17/03% Solids: 0.0

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

UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	143	J		P
7440-36-0	Antimony	4.7	U		P
7440-38-2	Arsenic	2.8	U		P
7440-39-3	Barium	79.6	J		P
7440-41-7	Beryllium	0.10	U		P
7440-43-9	Cadmium	0.85	J		P
7440-70-2	Calcium	48800			P
7440-47-3	Chromium	0.64	J		P
7440-48-4	Cobalt	0.60	U		P
7440-50-8	Copper	3.6	J		P
7439-89-6	Iron	184			P
7439-92-1	Lead	2.1	U		P
7439-95-4	Magnesium	4100	J		P
7439-96-5	Manganese	66.7		E	P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	1.9	J		P
7440-09-7	Potassium	7680		E	P
7782-49-2	Selenium	3.0	U		P
7440-22-4	Silver	1.0	U	N	P
7440-23-5	Sodium	2490	J	E	P
7440-28-0	Thallium	5.4	U		P
7440-62-2	Vanadium	0.70	U		P
7440-66-6	Zinc	39.4			P

Color Before: COLORLESSClarity Before: CLEAR

Texture: _____

Color After: COLORLESSClarity After: CLEAR

Artifacts: _____

Comments: _____

Metals

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MW-EA-3

Lab Name: Chemtech Consulting Group Contract: EA Engineering,
 Lab Code: CHEMED Case No.: _____ SAS No.: R2897 SDG No.: R2897
 Matrix (soil/water): WATER Lab Sample ID: R2897-03
 Lab rel (low/med): LOW Date Received: 6/17/03
 % Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	100	J		P
7440-36-0	Antimony	4.7	U		P
7440-38-2	Arsenic	2.8	U		P
7440-39-3	Barium	54.6	J		P
7440-41-7	Beryllium	0.10	U		P
7440-43-9	Cadmium	0.40	U		P
7440-70-2	Calcium	103000			P
7440-47-3	Chromium	1.1	J		P
7440-48-4	Cobalt	1.5	J		P
7440-50-8	Copper	0.90	U		P
7439-89-6	Iron	369			P
7439-92-1	Lead	2.1	U		P
7439-95-4	Magnesium	14000			P
7439-96-5	Manganese	422		E	P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	8.5	J		P
7440-09-7	Potassium	10900		E	P
7782-49-2	Selenium	5.8			P
7440-22-4	Silver	1.0	U	N	P
7440-23-5	Sodium	11300		E	P
7440-28-0	Thallium	5.4	U		P
7440-62-2	Vanadium	0.70	U		P
7440-66-6	Zinc	32.1			P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____
 Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments: _____

Metals

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MW-EA-4

Lab Name: Chemtech Consulting GroupContract: EA Engineering,Lab Code: CHEMED

Case No.: _____

SAS No.: R2897SDG No.: R2897Matrix (soil/water): WATERLab Sample ID: R2897-04Level (low/med): LOWDate Received: 6/17/03% Solids: 0.0

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

UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	34.6	J		P
7440-36-0	Antimony	4.7	U		P
7440-38-2	Arsenic	2.8	U		P
7440-39-3	Barium	59.3	J		P
7440-41-7	Beryllium	0.10	U		P
7440-43-9	Cadmium	0.40	U		P
7440-70-2	Calcium	56700			P
7440-47-3	Chromium	0.60	U		P
7440-48-4	Cobalt	8.5	J		P
7440-50-8	Copper	1.5	J		P
7439-89-6	Iron	17.3	U		P
7439-92-1	Lead	2.1	U		P
7439-95-4	Magnesium	9590			P
7439-96-5	Manganese	603		E	P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	9.2	J		P
7440-09-7	Potassium	6520		E	P
7782-49-2	Selenium	3.8	J		P
7440-22-4	Silver	1.0	U	N	P
7440-23-5	Sodium	21000		E	P
7440-28-0	Thallium	5.4	U		P
7440-62-2	Vanadium	0.70	U		P
7440-66-6	Zinc	33.6			P

Color Before: COLORLESSClarity Before: CLEAR

Texture: _____

Color After: COLORLESSClarity After: CLEAR

Artifacts: _____

Comments: _____

Metals

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

DUP-01

Lab Name: Chemtech Consulting Group Contract: EA Engineering,

Lab Code: CHEMED Case No.: _____ SAS No.: R2897 SDG No.: R2897

Matrix (soil/water): WATER Lab Sample ID: R2897-05

Level (low/med): LOW Date Received: 6/17/03

% Solids: 0.0

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

UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	46.0	J		P
7440-36-0	Antimony	4.7	U		P
7440-38-2	Arsenic	2.8	U		P
7440-39-3	Barium	61.8	J		P
7440-41-7	Beryllium	0.10	U		P
7440-43-9	Cadmium	0.40	U		P
7440-70-2	Calcium	59500			P
7440-47-3	Chromium	0.60	U		P
7440-48-4	Cobalt	8.2	J		P
7440-50-8	Copper	1.9	J		P
7439-89-6	Iron	17.3	U		P
7439-92-1	Lead	2.1	U		P
7439-95-4	Magnesium	10000			P
7439-96-5	Manganese	632		E	P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	10.0	J		P
7440-09-7	Potassium	6950		E	P
7782-49-2	Selenium	4.0	J		P
7440-22-4	Silver	1.0	U	N	P
7440-23-5	Sodium	21700		E	P
7440-28-0	Thallium	5.4	U		P
7440-62-2	Vanadium	0.70	U		P
7440-66-6	Zinc	16.6	J		P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments: _____

Appendix F

Certificates of Analysis Surface Water Samples

Appendix G

Certificates of Analysis Sediment Samples

ANALYTICAL RESULTS SUMMARY

**PROJECT NAME: PETERSON/PURITAN SUPERFUND SITE
PROJECT # 61776.01**

**EA ENGINEERING, SCIENCE &
TECHNOLOGY, INC.
2350 POST ROAD
WARWICK, RI 02886
401-736-3440**

**CHEMTECH PROJECT #
ATTENTION:**

**R2789
TIM REGAN**

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WT-01-S

Name: Chemtech Consulting Group

Contract: EAEN01

Code: CTECH Case No.: R2789

SAS No.: R2789 SDG No.: R2789

Matrix (soil/water): SOIL

Lab Sample ID: R2789-05

Sample wt/vol: 9.2 (g/mL) g

Lab File ID: VI061310.D

Level (low/med): MED

Date Received: 6/10/03

Moisture: not dec. 18

Date Analyzed: 6/13/03

GC Column: RTX502-2 ID: 0.18 (mm)

Dilution Factor: 1.0

Extract Volume: 25000 (uL)

Soil Aliquot Volume: 100 (uL)

CONCENTRATION UNITS:

CAS No.	Compound	(ug/L or ug/Kg)	ug/Kg	Q
75-71-8	Dichlorodifluoromethane	1700	U	
74-87-3	Chloromethane	1700	U	
75-01-4	Vinyl chloride	1700	U	
74-83-9	Bromomethane	1700	U	
75-00-3	Chloroethane	1700	U	
75-69-4	Trichlorofluoromethane	1700	U	
76-13-1	1,1,2-Trichlorotrifluoroethane	1700	U	
75-35-4	1,1-Dichloroethene	1700	U	
67-64-1	Acetone	1700	U	
75-15-0	Carbon disulfide	1700	U	
1634-04-4	Methyl tert-butyl Ether	1700	U	
79-20-9	Methyl Acetate	1700	U	
75-09-2	Methylene Chloride	1700	U	
156-60-5	trans-1,2-Dichloroethene	1700	U	
75-34-3	1,1-Dichloroethane	1700	U	
110-82-7	Cyclohexane	1700	U	
78-93-3	2-Butanone	1700	U	
56-23-5	Carbon Tetrachloride	1700	U	
156-59-2	cis-1,2-Dichloroethene	1700	U	
67-66-3	Chloroform	1700	U	
71-55-6	1,1,1-Trichloroethane	1700	U	
108-87-2	Methylcyclohexane	1700	U	
71-43-2	Benzene	1700	U	
107-06-2	1,2-Dichloroethane	1700	U	
79-01-6	Trichloroethene	1700	U	
78-87-5	1,2-Dichloropropane	1700	U	
75-27-4	Bromodichloromethane	1700	U	
108-10-1	4-Methyl-2-Pentanone	1700	U	
108-88-3	Toluene	1700	U	
10061-02-6	t-1,3-Dichloropropene	1700	U	
10061-01-5	cis-1,3-Dichloropropene	1700	U	
79-00-5	1,1,2-Trichloroethane	1700	U	
591-78-6	2-Hexanone	1700	U	

WT-01-S

Contract: EAEN01

Lab Sample ID: R2789-05

Lab File ID: VI061310.D

Date Received: 6/10/03

Date Analyzed: 6/13/03

GC Column: ~~-RTX624~~ ID: ~~0.53~~ (mm) Dilution Factor: 1.0

Soil Aliquot Volume: 100 (uL)

CAS No.	Compound (ug/L or ug/Kg)	ug/Kg	Q
124-48-1	Dibromochloromethane	1700	U
106-93-4	1,2-Dibromoethane	1700	U
127-18-4	Tetrachloroethene	1700	U
108-90-7	Chlorobenzene	1700	U
100-41-4	Ethyl Benzene	1700	U
136777-61-2	m/p-Xylenes	1700	U
95-47-6	o-Xylene	1700	U
100-42-5	Styrene	1700	U
75-25-2	Bromoform	1700	U
98-82-8	Isopropylbenzene	1700	U
79-34-5	1,1,2,2-Tetrachloroethane	1700	U
541-73-1	1,3-Dichlorobenzene	1700	U
106-46-7	1,4-Dichlorobenzene	1700	U
95-50-1	1,2-Dichlorobenzene	1700	U
96-12-8	1,2-Dibromo-3-Chloropropane	1700	U
120-82-1	1,2,4-Trichlorobenzene	1700	U
1330-20-7	Total Xylenes	3400	U

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WT-01-S

Lab Name: Chemtech Consulting GroupContract: EAEN01Lab Code: CTECH Case No.: R2789SAS No.: R2789 SDG No.: R2789Matrix (soil/water): SOILLab Sample ID: R2789-05Sample wt/vol: 9.2 (g/mL gLab File ID: VIO61310.DLevel (low/med): MEDDate Received: 6/10/03% Moisture: not dec. 18Date Analyzed: 6/13/03GC Column: RTx5002.0 ID: 0.18 mmDilution Factor: 1.0Soil Extract Volume: 25000Soil Aliquot Volume: 100Number TICS found: 0

CONCENTRATION UNITS:

(ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	RT	EST. CONC.	Q

Comments: _____

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WT-02-S

Name: Chemtech Consulting GroupContract: EAEN01Code: CTECH Case No.: R2789SAS No.: R2789 SDG No.: R2789Matrix (soil/water): SOILLab Sample ID: R2789-06Sample wt/vol: 7.4 (g/mL) gLab File ID: VI061311.DLevel (low/med): MEDDate Received: 6/10/03Moisture: not dec. 43Date Analyzed: 6/13/03GC Column: RTX500-2 ID: 0.18 (mm) 0.53 6/13/03Dilution Factor: 1.0Extract Volume: 25000 (uL)Soil Aliquot Volume: 100 (uL)

CONCENTRATION UNITS:

CAS No.	Compound	(ug/L or ug/Kg)	ug/Kg	Q
75-71-8	Dichlorodifluoromethane	3000	U	
74-87-3	Chloromethane	3000	U	
75-01-4	Vinyl chloride	3000	U	
74-83-9	Bromomethane	3000	U	
75-00-3	Chloroethane	3000	U	
75-69-4	Trichlorofluoromethane	3000	U	
76-13-1	1,1,2-Trichlorotrifluoroethane	3000	U	
75-35-4	1,1-Dichloroethene	3000	U	
67-64-1	Acetone	3000	U	
75-15-0	Carbon disulfide	3000	U	
1634-04-4	Methyl tert-butyl Ether	3000	U	
79-20-9	Methyl Acetate	3000	U	
75-09-2	Methylene Chloride	3000	U	
156-60-5	trans-1,2-Dichloroethene	3000	U	
75-34-3	1,1-Dichloroethane	3000	U	
110-82-7	Cyclohexane	3000	U	
78-93-3	2-Butanone	3000	U	
56-23-5	Carbon Tetrachloride	3000	U	
156-59-2	cis-1,2-Dichloroethene	3000	U	
67-66-3	Chloroform	3000	U	
71-55-6	1,1,1-Trichloroethane	3000	U	
108-87-2	Methylcyclohexane	3000	U	
71-43-2	Benzene	3000	U	
107-06-2	1,2-Dichloroethane	3000	U	
79-01-6	Trichloroethene	3000	U	
78-87-5	1,2-Dichloropropane	3000	U	
75-27-4	Bromodichloromethane	3000	U	
108-10-1	4-Methyl-2-Pentanone	3000	U	
108-88-3	Toluene	3000	U	
10061-02-6	t-1,3-Dichloropropene	3000	U	
10061-01-5	cis-1,3-Dichloropropene	3000	U	
79-00-5	1,1,2-Trichloroethane	3000	U	
591-78-6	2-Hexanone	3000	U	

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WT-02-S

Name: Chemtech Consulting Group

Contract: EAEN01

Code: CTECH Case No.: R2789

SAS No.: R2789 SDG No.: R2789

Matrix (soil/water): SOIL

Lab Sample ID: R2789-06

Sample wt/vol: 7.4 (g/mL) g

Lab File ID: VI061311.D

Level (low/med): MED

Date Received: 6/10/03

Moisture: not dec. 43

Date Analyzed: 6/13/03

GC Column: RTX624 ID: 0.53 (mm)

Dilution Factor: 1.0

Extr. Volume: 25000 (uL)

Soil Aliquot Volume: 100 (uL)

CONCENTRATION UNITS:

CAS No.	Compound	(ug/L or ug/Kg)	ug/Kg	Q
124-48-1	Dibromochloromethane	3000	U	
106-93-4	1,2-Dibromoethane	3000	U	
127-18-4	Tetrachloroethene	3000	U	
108-90-7	Chlorobenzene	3000	U	
100-41-4	Ethyl Benzene	3000	U	
136777-61-2	m/p-Xylenes	3000	U	
95-47-6	o-Xylene	3000	U	
100-42-5	Styrene	3000	U	
75-25-2	Bromoform	3000	U	
98-82-8	Isopropylbenzene	3000	U	
79-34-5	1,1,2,2-Tetrachloroethane	3000	U	
541-73-1	1,3-Dichlorobenzene	3000	U	
106-46-7	1,4-Dichlorobenzene	3000	U	
95-50-1	1,2-Dichlorobenzene	3000	U	
96-12-8	1,2-Dibromo-3-Chloropropane	3000	U	
120-82-1	1,2,4-Trichlorobenzene	3000	U	
1330-20-7	Total Xylenes	6000	U	

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WT-02-S

Lab Name: Chemtech Consulting GroupContract: EAEN01Lab Code: CTECH Case No.: R2789SAS No.: R2789SDG No.: R2789Matrix (soil/water): SOILLab Sample ID: R2789-06Sample wt/vol: 7.4 (g/mL g)Lab File ID: VIO61311.DLevel (low/med): MEDDate Received: 6/10/03% Moisture: not dec. 43Date Analyzed: 6/13/03GC Column: RTX 5000 ID: 0.18 mmDilution Factor: 1.0Soil Extract Volume: 25000Soil Aliquot Volume: 100Number TICS found: 0

CONCENTRATION UNITS:

(ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	RT	EST. CONC.	Q

Comments: _____

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB-02

Lab Name: Chemtech Consulting Group

Contract: EAEN01

Lab Code: CTECH Case No.: R2789

SAS No.: R2789 SDG No.: R2789

Matrix (soil/water): SOIL

Lab Sample ID: R2789-07

Sample wt/vol: 10.0 (g/mL) g

Lab File ID: VI061306.D

Level (low/med): MED

Date Received: 6/10/03

Moisture: not dec. 0

Date Analyzed: 6/13/03

GC Column: RTX 502 2 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL)

Soil Aliquot Volume: 100 (uL)

CONCENTRATION UNITS:

CAS No.	Compound	(ug/L or ug/Kg)	ug/Kg	Q
75-71-8	Dichlorodifluoromethane	1200	U	
74-87-3	Chloromethane	1200	U	
75-01-4	Vinyl chloride	1200	U	
74-83-9	Bromomethane	1200	U	
75-00-3	Chloroethane	1200	U	
75-69-4	Trichlorofluoromethane	1200	U	
76-13-1	1,1,2-Trichlorotrifluoroethane	1200	U	
75-35-4	1,1-Dichloroethene	1200	U	
67-64-1	Acetone	1200	U	
75-15-0	Carbon disulfide	1200	U	
1634-04-4	Methyl tert-butyl Ether	1200	U	
79-20-9	Methyl Acetate	1200	U	
75-09-2	Methylene Chloride	1200	U	
156-60-5	trans-1,2-Dichloroethene	1200	U	
75-34-3	1,1-Dichloroethane	1200	U	
110-82-7	Cyclohexane	1200	U	
78-93-3	2-Butanone	1200	U	
56-23-5	Carbon Tetrachloride	1200	U	
156-59-2	cis-1,2-Dichloroethene	1200	U	
67-66-3	Chloroform	1200	U	
71-55-6	1,1,1-Trichloroethane	1200	U	
108-87-2	Methylcyclohexane	1200	U	
71-43-2	Benzene	1200	U	
107-06-2	1,2-Dichloroethane	1200	U	
79-01-6	Trichloroethene	1200	U	
78-87-5	1,2-Dichloropropane	1200	U	
75-27-4	Bromodichloromethane	1200	U	
108-10-1	4-Methyl-2-Pentanone	1200	U	
108-88-3	Toluene	1200	U	
10061-02-6	t-1,3-Dichloropropene	1200	U	
10061-01-5	cis-1,3-Dichloropropene	1200	U	
79-00-5	1,1,2-Trichloroethane	1200	U	
591-78-6	2-Hexanone	1200	U	

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB-02

Name: Chemtech Consulting Group

Contract: EAEN01

Code: CTECH Case No.: R2789

SAS No.: R2789 SDG No.: R2789

Matrix (soil/water): SOIL

Lab Sample ID: R2789-07

Sample wt/vol: 10.0 (g/mL) g

Lab File ID: VI061306.D

Level (low/med): MED

Date Received: 6/10/03

Moisture: not dec. 0

Date Analyzed: 6/13/03

GC Column: RTX500 0.18 6/23/03
RTX524 ID: 0.53 (mm)

Dilution Factor: 1.0

Extract Volume: 25000 (uL)

Soil Aliquot Volume: 100 (uL)

CONCENTRATION UNITS:

CAS No.	Compound	(ug/L or ug/Kg)	ug/Kg	Q
124-48-1	Dibromochloromethane	1200	U	
106-93-4	1,2-Dibromoethane	1200	U	
127-18-4	Tetrachloroethene	1200	U	
108-90-7	Chlorobenzene	1200	U	
100-41-4	Ethyl Benzene	1200	U	
136777-61-2	m/p-Xylenes	1200	U	
95-47-6	o-Xylene	1200	U	
100-42-5	Styrene	1200	U	
75-25-2	Bromoform	1200	U	
98-82-8	Isopropylbenzene	1200	U	
79-34-5	1,1,2,2-Tetrachloroethane	1200	U	
541-73-1	1,3-Dichlorobenzene	1200	U	
106-46-7	1,4-Dichlorobenzene	1200	U	
95-50-1	1,2-Dichlorobenzene	1200	U	
96-12-8	1,2-Dibromo-3-Chloropropane	1200	U	
120-82-1	1,2,4-Trichlorobenzene	1200	U	
1330-20-7	Total Xylenes	2400	U	

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TB-02

Lab Name: Chemtech Consulting GroupContract: EAEN01Lab Code: CTECH Case No.: R2789SAS No.: R2789SDG No.: R2789Matrix (soil/water): SOILLab Sample ID: R2789-07Sample wt/vol: 10.0 (g/mL g)Lab File ID: VIO61306.DLevel (low/med): MEDDate Received: 6/10/03% Moisture: not dec. 0Date Analyzed: 6/13/03GC Column: RTX502.2 ID: 0.18 mmDilution Factor: 1.0Soil Extract Volume: 25000Soil Aliquot Volume: 100Number TICS found: 0

CONCENTRATION UNITS:

(ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	RT	EST. CONC.	Q

Comments: _____

Volatiles

SDG No.: R2789

Client: EA Engineering, Science, & Technology, Inc.

Sample ID: R2789-01

Client ID: WT-01-W

Date Collected: 6/9/03

Date Received: 6/10/03

Date Analyzed: 6/18/03

Matrix: WATER

File ID: VF061814.D

Analytical Run ID: VF061803

Dilution: 1

Instrument ID: MSVOAF

Analytical Method: OLC2.1

Associated Blank: VBF0618 W1

Sample Wt/Vol: 25.0 Units: mL

Soil Extract Vol:

Soil Aliquot Vol:

% Moisture: 100

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
PARAMETERS						
Chlorodifluoromethane	75-71-8	< 0.50	U	1.0	0.50	ug/L
Chloromethane	74-87-3	< 0.50	U	1.0	0.50	ug/L
Chloroacetaldehyde	75-01-4	< 0.50	U	1.0	0.50	ug/L
Bromomethane	74-83-9	< 0.50	U	1.0	0.50	ug/L
Chloroethane	75-00-3	< 0.50	U	1.0	0.50	ug/L
Chlorofluoromethane	75-69-4	< 0.50	U	1.0	0.50	ug/L
1,1,2-Trichlorotrifluoroethane	76-13-1	< 0.50	U	1.0	0.50	ug/L
1,1-Dichloroethene	75-35-4	< 0.50	U	1.0	0.50	ug/L
Acetone	67-64-1	< 2.5	U	5.0	2.5	ug/L
Carbon disulfide	75-15-0	< 0.50	U	1.0	0.50	ug/L
Methyl tert-butyl Ether	1634-04-4	< 0.50	U	1.0	0.50	ug/L
Methyl Acetate	79-20-9	< 0.50	U	1.0	0.50	ug/L
Methylene Chloride	75-09-2	1.2	J	2.0	0.50	ug/L
trans-1,2-Dichloroethene	156-60-5	< 0.50	U	1.0	0.50	ug/L
1,1-Dichloroethane	75-34-3	< 0.50	U	1.0	0.50	ug/L
Cyclohexane	110-82-7	< 0.50	U	1.0	0.50	ug/L
2-Pentanone	78-93-3	< 2.5	U	5.0	2.5	ug/L
Carbon Tetrachloride	56-23-5	< 0.50	U	1.0	0.50	ug/L
cis-1,2-Dichloroethene	156-59-2	< 0.50	U	1.0	0.50	ug/L
Monochloromethane	74-97-5	< 0.50	U	1.0	0.50	ug/L
Chloroform	67-66-3	< 0.50	U	1.0	0.50	ug/L
1,1,1-Trichloroethane	71-55-6	< 0.50	U	1.0	0.50	ug/L
Methylcyclohexane	108-87-2	< 0.50	U	1.0	0.50	ug/L
Benzene	71-43-2	< 0.50	U	1.0	0.50	ug/L
1,2-Dichloroethane	107-06-2	< 0.50	U	1.0	0.50	ug/L
Trichloroethene	79-01-6	< 0.50	U	1.0	0.50	ug/L
1,2-Dichloropropane	78-87-5	< 0.50	U	1.0	0.50	ug/L
1,1-Dichloromethane	75-27-4	< 0.50	U	1.0	0.50	ug/L
1-Methyl-2-Pentanone	108-10-1	< 2.5	U	5.0	2.5	ug/L
Toluene	108-88-3	< 0.50	U	1.0	0.50	ug/L
1,1-Dichloropropene	10061-02-6	< 0.50	U	1.0	0.50	ug/L
cis-1,3-Dichloropropene	10061-01-5	< 0.50	U	1.0	0.50	ug/L
1,1,2-Trichloroethane	79-00-5	< 0.50	U	1.0	0.50	ug/L
2-Pentanone	591-78-6	< 2.5	U	5.0	2.5	ug/L

Volatiles

SDG No.: R2789

Client: EA Engineering, Science, & Technology, Inc.

Sample ID: R2789-01

Client ID: WT-01-W

Date Collected: 6/9/03

Date Received: 6/10/03

Date Analyzed: 6/18/03

Matrix: WATER

File ID: VF061814.D

Analytical Run ID: VF061803

Dilution: 1

Instrument ID: MSVOAF

Analytical Method: OLC2.1

Associated Blank: VBF0618W1

Sample Wt/Vol: 25.0 Units: mL

Soil Extract Vol:

Soil Aliquot Vol:

% Moisture: 100

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
Monochloromethane	124-48-1	< 0.50	U	1.0	0.50	ug/L
Dibromoethane	106-93-4	< 0.50	U	1.0	0.50	ug/L
Tetrachloroethene	127-18-4	< 0.50	U	1.0	0.50	ug/L
Bromobenzene	108-90-7	< 0.50	U	1.0	0.50	ug/L
Ethyl Benzene	100-41-4	< 0.50	U	1.0	0.50	ug/L
m&p-xylenes	136777-61-2	< 0.50	U	1.0	0.50	ug/L
o-xylene	95-47-6	< 0.50	U	1.0	0.50	ug/L
Styrene	100-42-5	< 0.50	U	1.0	0.50	ug/L
Bromoform	75-25-2	< 0.50	U	1.0	0.50	ug/L
sec-Propylbenzene	98-82-8	< 0.50	U	1.0	0.50	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	< 0.50	U	1.0	0.50	ug/L
1,2-Dichlorobenzene	541-73-1	< 0.50	U	1.0	0.50	ug/L
1,4-Dichlorobenzene	106-46-7	< 0.50	U	1.0	0.50	ug/L
1,2-Dichlorobenzene	95-50-1	< 0.50	U	1.0	0.50	ug/L
1,1-Dibromo-3-Chloropropane	96-12-8	< 0.50	U	1.0	0.50	ug/L
1,2,4-Trichlorobenzene	120-82-1	< 0.50	U	1.0	0.50	ug/L
1,2,3-Trichlorobenzene	87-61-6	< 0.50	U	1.0	0.50	ug/L
1,3,5-Xylenes	1330-20-7	< 1.0	U	2.0	1.0	ug/L

SURROGATES

1-Bromofluorobenzene 460-00-4 5.46 109 % 80 - 120 SPK: 5

INTERNAL STANDARDS

1,4-Difluorobenzene	540-36-3	497316	12.16
1-Bromobenzene-d5	3114-55-4	448057	20.43
1,2-Dichlorobenzene-d4	3855-82-1	336446	26.37

Volatiles

SDG No.: R2789

Client: EA Engineering, Science, & Technology, Inc.

Sample ID: R2789-02

Client ID: WT-02-W

Date Collected: 6/9/03

Date Received: 6/10/03

Date Analyzed: 6/18/03

Matrix: WATER

File ID: VF061815.D

Analytical Run ID: VF061803

Dilution: 1

Instrument ID: MSVOAF

Analytical Method: OLC2.1

Associated Blank: VBF0618W1

Sample Wt/Wol: 25.0 Units: mL

Soil Extract Vol:

Soil Aliquot Vol:

% Moisture: 100

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
PARAMETERS						
Dichlorodifluoromethane	75-71-8	< 0.50	U	1.0	0.50	ug/L
Chloromethane	74-87-3	< 0.50	U	1.0	0.50	ug/L
Vinyl chloride	75-01-4	< 0.50	U	1.0	0.50	ug/L
Bromomethane	74-83-9	< 0.50	U	1.0	0.50	ug/L
Chloroethane	75-00-3	< 0.50	U	1.0	0.50	ug/L
Trichlorofluoromethane	75-69-4	< 0.50	U	1.0	0.50	ug/L
1,1,2-Trichlorotrifluoroethane	76-13-1	< 0.50	U	1.0	0.50	ug/L
1,2-Dichloroethene	75-35-4	< 0.50	U	1.0	0.50	ug/L
Acetone	67-64-1	< 2.5	U	5.0	2.5	ug/L
Carbon disulfide	75-15-0	< 0.50	U	1.0	0.50	ug/L
Vinyl tert-butyl Ether	1634-04-4	< 0.50	U	1.0	0.50	ug/L
Vinyl Acetate	79-20-9	< 0.50	U	1.0	0.50	ug/L
Methylene Chloride	75-09-2	1.1	J	2.0	0.50	ug/L
trans-1,2-Dichloroethene	156-60-5	< 0.50	U	1.0	0.50	ug/L
1,1-Dichloroethane	75-34-3	< 0.50	U	1.0	0.50	ug/L
Cyclohexane	110-82-7	< 0.50	U	1.0	0.50	ug/L
2-Butanone	78-93-3	< 2.5	U	5.0	2.5	ug/L
Carbon Tetrachloride	56-23-5	< 0.50	U	1.0	0.50	ug/L
cis-1,2-Dichloroethene	156-59-2	< 0.50	U	1.0	0.50	ug/L
3-Methochloromethane	74-97-5	< 0.50	U	1.0	0.50	ug/L
Chloroform	67-66-3	< 0.50	U	1.0	0.50	ug/L
1,1,1-Trichloroethane	71-55-6	< 0.50	U	1.0	0.50	ug/L
Vinylcyclohexane	108-87-2	< 0.50	U	1.0	0.50	ug/L
Benzene	71-43-2	< 0.50	U	1.0	0.50	ug/L
1,1-Dichloroethane	107-06-2	< 0.50	U	1.0	0.50	ug/L
Trichloroethene	79-01-6	< 0.50	U	1.0	0.50	ug/L
1,2-Dichloropropane	78-87-5	< 0.50	U	1.0	0.50	ug/L
3-Methochloromethane	75-27-4	< 0.50	U	1.0	0.50	ug/L
4-Methyl-2-Pentanone	108-10-1	< 2.5	U	5.0	2.5	ug/L
Toluene	108-88-3	< 0.50	U	1.0	0.50	ug/L
trans-3-Dichloropropene	10061-02-6	< 0.50	U	1.0	0.50	ug/L
cis-1,3-Dichloropropene	10061-01-5	< 0.50	U	1.0	0.50	ug/L
1,1,2-Trichloroethane	79-00-5	< 0.50	U	1.0	0.50	ug/L
2-Pentanone	591-78-6	< 2.5	U	5.0	2.5	ug/L

Volatiles

SDG No.: R2789

Client: EA Engineering, Science, & Technology, Inc.

Sample ID: R2789-02

Client ID: WT-02-W

Date Collected: 6/9/03

Date Received: 6/10/03

Date Analyzed: 6/18/03

Matrix: WATER

File ID: VF061815.D

Analytical Run ID: VF061803

Dilution: 1

Instrument ID: MSVOAF

Analytical Method: OLC2.1

Associated Blank: VBF0618W1

Sample Wt/Wol: 25.0 Units: mL

Soil Extract Vol:

Soil Aliquot Vol:

% Moisture: 100

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
Monochloromethane	124-48-1	< 0.50	U	1.0	0.50	ug/L
Dibromoethane	106-93-4	< 0.50	U	1.0	0.50	ug/L
Tetrachloroethene	127-18-4	< 0.50	U	1.0	0.50	ug/L
Bromobenzene	108-90-7	< 0.50	U	1.0	0.50	ug/L
Ethyl Benzene	100-41-4	< 0.50	U	1.0	0.50	ug/L
m&p-xylenes	136777-61-2	< 0.50	U	1.0	0.50	ug/L
o-xylene	95-47-6	< 0.50	U	1.0	0.50	ug/L
Styrene	100-42-5	< 0.50	U	1.0	0.50	ug/L
Bromoform	75-25-2	< 0.50	U	1.0	0.50	ug/L
Isopropylbenzene	98-82-8	< 0.50	U	1.0	0.50	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	< 0.50	U	1.0	0.50	ug/L
1,3-Dichlorobenzene	541-73-1	< 0.50	U	1.0	0.50	ug/L
1,4-Dichlorobenzene	106-46-7	< 0.50	U	1.0	0.50	ug/L
1,2-Dichlorobenzene	95-50-1	< 0.50	U	1.0	0.50	ug/L
1,2-Dibromo-3-Chloropropane	96-12-8	< 0.50	U	1.0	0.50	ug/L
1,2,4-Trichlorobenzene	120-82-1	< 0.50	U	1.0	0.50	ug/L
1,2,3-Trichlorobenzene	87-61-6	< 0.50	U	1.0	0.50	ug/L
o,p-Xylenes	1330-20-7	< 1.0	U	2.0	1.0	ug/L

SURROGATES

1-Bromofluorobenzene	460-00-4	5.14	103 %	80 - 120	SPK: 5
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INTERNAL STANDARDS

1,4-Difluorobenzene	540-36-3	532523	12.19
Chlorobenzene-d5	3114-55-4	458990	20.45
1,4-Dichlorobenzene-d4	3855-82-1	340444	26.37

Volatiles

SDG No.: R2789

Client: EA Engineering, Science, & Technology, Inc.

Sample ID: R2789-03

Client ID: WT-DUP01

Date Collected: 6/9/03

Date Received: 6/10/03

Date Analyzed: 6/19/03

Matrix: WATER

File ID: VF061816.D

Analytical Run ID: VF061803

Dilution: 1

Instrument ID: MSVOAF

Analytical Method: OLC2.1

Associated Blank: VBF0618WI

Sample Wt/Wol: 25.0 Units: mL

Soil Extract Vol: 100

Soil Aliquot Vol:

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
TARGETS						
Dichlorodifluoromethane	75-71-8	< 0.50	U	1.0	0.50	ug/L
Chloromethane	74-87-3	< 0.50	U	1.0	0.50	ug/L
Methyl chloride	75-01-4	< 0.50	U	1.0	0.50	ug/L
Bromomethane	74-83-9	< 0.50	U	1.0	0.50	ug/L
Fluoroethane	75-00-3	< 0.50	U	1.0	0.50	ug/L
Trichlorofluoromethane	75-69-4	< 0.50	U	1.0	0.50	ug/L
1,1,2-Trichlorotrifluoroethane	76-13-1	< 0.50	U	1.0	0.50	ug/L
1,1-Dichloroethene	75-35-4	< 0.50	U	1.0	0.50	ug/L
Acetone	67-64-1	< 2.5	U	5.0	2.5	ug/L
Carbon disulfide	75-15-0	< 0.50	U	1.0	0.50	ug/L
Methyl tert-butyl Ether	1634-04-4	< 0.50	U	1.0	0.50	ug/L
Methyl Acetate	79-20-9	< 0.50	U	1.0	0.50	ug/L
Methylene Chloride	75-09-2	1.2	J	2.0	0.50	ug/L
trans-1,2-Dichloroethene	156-60-5	< 0.50	U	1.0	0.50	ug/L
1,1-Dichloroethane	75-34-3	< 0.50	U	1.0	0.50	ug/L
Cyclohexane	110-82-7	< 0.50	U	1.0	0.50	ug/L
2-Pentanone	78-93-3	< 2.5	U	5.0	2.5	ug/L
Carbon Tetrachloride	56-23-5	< 0.50	U	1.0	0.50	ug/L
cis-1,2-Dichloroethene	156-59-2	< 0.50	U	1.0	0.50	ug/L
Bromochloromethane	74-97-5	< 0.50	U	1.0	0.50	ug/L
Chloroform	67-66-3	< 0.50	U	1.0	0.50	ug/L
1,1,1-Trichloroethane	71-55-6	< 0.50	U	1.0	0.50	ug/L
Methylcyclohexane	108-87-2	< 0.50	U	1.0	0.50	ug/L
Benzene	71-43-2	< 0.50	U	1.0	0.50	ug/L
1,1-Dichloroethane	107-06-2	< 0.50	U	1.0	0.50	ug/L
Trichloroethene	79-01-6	< 0.50	U	1.0	0.50	ug/L
2,2-Dichloropropane	78-87-5	< 0.50	U	1.0	0.50	ug/L
trans-1,2-Dichloroethane	75-27-4	< 0.50	U	1.0	0.50	ug/L
2-Methyl-2-Pentanone	108-10-1	< 2.5	U	5.0	2.5	ug/L
Toluene	108-88-3	< 0.50	U	1.0	0.50	ug/L
1,1-Dichloropropene	10061-02-6	< 0.50	U	1.0	0.50	ug/L
cis-1,3-Dichloropropene	10061-01-5	< 0.50	U	1.0	0.50	ug/L
1,1,2-Trichloroethane	79-00-5	< 0.50	U	1.0	0.50	ug/L
2-Pentanone	591-78-6	< 2.5	U	5.0	2.5	ug/L

Volatiles

SDG No.: R2789

Client: EA Engineering, Science, & Technology, Inc.

Sample ID: R2789-03

Client ID: WT-DUP01

Date Collected: 6/9/03

Date Received: 6/10/03

Date Analyzed: 6/19/03

Matrix: WATER

File ID: VF061816.D

Analytical Run ID: VF061803

Dilution: 1

Instrument ID: MSVOAF

Analytical Method: OLC2.1

Associated Blank: VBF0618W1

Sample Wt/Wol: 25.0 Units: mL

Soil Extract Vol: 100

Soil Aliquot Vol:

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
Monochloromethane	124-48-1	< 0.50	U	1.0	0.50	ug/L
Dibromoethane	106-93-4	< 0.50	U	1.0	0.50	ug/L
Tetrachloroethene	127-18-4	< 0.50	U	1.0	0.50	ug/L
Bromobenzene	108-90-7	< 0.50	U	1.0	0.50	ug/L
Ethyl Benzene	100-41-4	< 0.50	U	1.0	0.50	ug/L
m,p-xylenes	136777-61-2	< 0.50	U	1.0	0.50	ug/L
o-xylene	95-47-6	< 0.50	U	1.0	0.50	ug/L
Styrene	100-42-5	< 0.50	U	1.0	0.50	ug/L
Bromoform	75-25-2	< 0.50	U	1.0	0.50	ug/L
o-propylbenzene	98-82-8	< 0.50	U	1.0	0.50	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	< 0.50	U	1.0	0.50	ug/L
o-Dichlorobenzene	541-73-1	< 0.50	U	1.0	0.50	ug/L
p-Dichlorobenzene	106-46-7	< 0.50	U	1.0	0.50	ug/L
m-Dichlorobenzene	95-50-1	< 0.50	U	1.0	0.50	ug/L
2,2-Dibromo-3-Chloropropane	96-12-8	< 0.50	U	1.0	0.50	ug/L
o-Trichlorobenzene	120-82-1	< 0.50	U	1.0	0.50	ug/L
m,2,3-Trichlorobenzene	87-61-6	< 0.50	U	1.0	0.50	ug/L
o-Xylenes	1330-20-7	< 1.0	U	2.0	1.0	ug/L

SURROGATES

m-Bromofluorobenzene	460-00-4	5.59	112 %	80 - 120	SPK: 5
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INTERNAL STANDARDS

1,4-Difluorobenzene	540-36-3	490031	12.20
Bromobenzene-d5	3114-55-4	428159	20.46
p-Dichlorobenzene-d4	3855-82-1	318920	26.37

Volatiles

SDG No.: R2789

Client: EA Engineering, Science, & Technology, Inc.

Sample ID: R2789-04

Client ID: TB-01

Date Collected: 6/9/03

Date Received: 6/10/03

Date Analyzed: 6/18/03

Matrix: WATER

File ID: VF061812.D

Analytical Run ID: VF061803

Dilution: 1

Instrument ID: MSVOAF

Analytical Method: OLC2.1

Associated Blank: VBF0618W1

Sample Wt/Wol: 25.0 Units: mL

Soil Extract Vol:

Soil Aliquot Vol:

% Moisture: 100

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
HALOGENATED						
Dichlorodifluoromethane	75-71-8	< 0.50	U	1.0	0.50	ug/L
Chloromethane	74-87-3	< 0.50	U	1.0	0.50	ug/L
Vinyl chloride	75-01-4	< 0.50	U	1.0	0.50	ug/L
Bromomethane	74-83-9	< 0.50	U	1.0	0.50	ug/L
Chloroethane	75-00-3	< 0.50	U	1.0	0.50	ug/L
Trichlorofluoromethane	75-69-4	< 0.50	U	1.0	0.50	ug/L
1,1,2-Trichlorotrifluoroethane	76-13-1	< 0.50	U	1.0	0.50	ug/L
1,1-Dichloroethene	75-35-4	< 0.50	U	1.0	0.50	ug/L
Acetone	67-64-1	11		5.0	2.5	ug/L
Carbon disulfide	75-15-0	< 0.50	U	1.0	0.50	ug/L
Methyl tert-butyl Ether	1634-04-4	< 0.50	U	1.0	0.50	ug/L
Methyl Acetate	79-20-9	< 0.50	U	1.0	0.50	ug/L
Methylene Chloride	75-09-2	1.4	J	2.0	0.50	ug/L
trans-1,2-Dichloroethene	156-60-5	< 0.50	U	1.0	0.50	ug/L
1,1-Dichloroethane	75-34-3	< 0.50	U	1.0	0.50	ug/L
Cyclohexane	110-82-7	< 0.50	U	1.0	0.50	ug/L
Butanone	78-93-3	< 2.5	U	5.0	2.5	ug/L
Carbon Tetrachloride	56-23-5	< 0.50	U	1.0	0.50	ug/L
cis-1,2-Dichloroethene	156-59-2	< 0.50	U	1.0	0.50	ug/L
Bromochloromethane	74-97-5	< 0.50	U	1.0	0.50	ug/L
Chloroform	67-66-3	< 0.50	U	1.0	0.50	ug/L
1,1,1-Trichloroethane	71-55-6	< 0.50	U	1.0	0.50	ug/L
Methylcyclohexane	108-87-2	< 0.50	U	1.0	0.50	ug/L
Benzene	71-43-2	< 0.50	U	1.0	0.50	ug/L
1,1-Dichloroethane	107-06-2	< 0.50	U	1.0	0.50	ug/L
1,2-Dichloroethene	79-01-6	< 0.50	U	1.0	0.50	ug/L
1,2-Dichloropropane	78-87-5	< 0.50	U	1.0	0.50	ug/L
1,1-Dichloromethane	75-27-4	< 0.50	U	1.0	0.50	ug/L
Methyl-2-Pentanone	108-10-1	< 2.5	U	5.0	2.5	ug/L
Toluene	108-88-3	< 0.50	U	1.0	0.50	ug/L
1,3-Dichloropropene	10061-02-6	< 0.50	U	1.0	0.50	ug/L
cis-1,3-Dichloropropene	10061-01-5	< 0.50	U	1.0	0.50	ug/L
1,1,2-Trichloroethane	79-00-5	< 0.50	U	1.0	0.50	ug/L
Hexanone	591-78-6	< 2.5	U	5.0	2.5	ug/L

Volatiles

SDG No.: R2789

Client: EA Engineering, Science, & Technology, Inc.

Sample ID: R2789-04

Client ID: TB-01

Date Collected: 6/9/03

Date Received: 6/10/03

Date Analyzed: 6/18/03

Matrix: WATER

File ID: VF061812.D

Analytical Run ID: VF061803

Dilution: 1

Instrument ID: MSVOAF

Analytical Method: OLC2.1

Associated Blank: VBF0618 W1

Sample Wt/Wol: 25.0 Units: mL

Soil Extract Vol:

Soil Aliquot Vol:

% Moisture: 100

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
Monochloromethane	124-48-1	< 0.50	U	1.0	0.50	ug/L
1,2-Dibromoethane	106-93-4	< 0.50	U	1.0	0.50	ug/L
Tetrachloroethene	127-18-4	< 0.50	U	1.0	0.50	ug/L
1-Bromobenzene	108-90-7	< 0.50	U	1.0	0.50	ug/L
Ethyl Benzene	100-41-4	< 0.50	U	1.0	0.50	ug/L
m&p-xylenes	136777-61-2	< 0.50	U	1.0	0.50	ug/L
o-xylene	95-47-6	< 0.50	U	1.0	0.50	ug/L
Styrene	100-42-5	< 0.50	U	1.0	0.50	ug/L
Formoform	75-25-2	< 0.50	U	1.0	0.50	ug/L
Isopropylbenzene	98-82-8	< 0.50	U	1.0	0.50	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	< 0.50	U	1.0	0.50	ug/L
1,2-Dichlorobenzene	541-73-1	< 0.50	U	1.0	0.50	ug/L
1,4-Dichlorobenzene	106-46-7	< 0.50	U	1.0	0.50	ug/L
1,2-Dichlorobenzene	95-50-1	< 0.50	U	1.0	0.50	ug/L
1,2-Dibromo-3-Chloropropane	96-12-8	< 0.50	U	1.0	0.50	ug/L
1,2,3-Trichlorobenzene	120-82-1	< 0.50	U	1.0	0.50	ug/L
1,2,3-Trichlorobenzene	87-61-6	< 0.50	U	1.0	0.50	ug/L
o-Xylenes	1330-20-7	< 1.0	U	2.0	1.0	ug/L

SURROGATES

1-Bromofluorobenzene	460-00-4	5.75	115 %	80 - 120	SPK: 5
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INTERNAL STANDARDS

1,4-Difluorobenzene	540-36-3	444471	12.15
1,4-Dibromobenzene-d5	3114-55-4	422046	20.43
1,4-Dichlorobenzene-d4	3855-82-1	306211	26.36

SVOC

DG No.: R2789-01

Client: EA Engineering, Science, & Technology, Inc.

Sample ID: R2789-01

Client ID: WT-01-W

Date Collected: 6/9/03

Date Received: 6/10/03

Date Analyzed: 6/19/03

Matrix: WATER

Date Extracted: 6/15/03

File ID: BB010122.D

Dilution: 1

Instrument ID: BNAB

Analytical Method: 8270

Analytical Run ID: BB061903

Sample Wt/Wol: 610.0

Extract Vol: 610

Injection Vol: 2

% Moisture: 100

Associated Blank: PB061503-01B

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
ARGETS						
1-methylthalene	91-20-3	< 1.2	U	0.100	1.2	ug/L
1-methylthynaphthalene	91-57-6	< 1.2	U	0.100	1.2	ug/L
1-methylacenaphthylene	208-96-8	< 1.2	U	0.100	1.2	ug/L
1-methylcaphthene	83-32-9	< 1.0	U	0.100	1.0	ug/L
1-methylene	86-73-7	< 1.1	U	0.100	1.1	ug/L
1-methylenanthrene	85-01-8	< 1.0	U	0.100	1.0	ug/L
1-methylacene	120-12-7	< 1.3	U	0.100	1.3	ug/L
1-methylanthrene	206-44-0	< 1.0	U	0.100	1.0	ug/L
1-methylrene	129-00-0	< 1.0	U	0.100	1.0	ug/L
1-methyl-2(a)anthracene	56-55-3	< 1.0	U	0.100	1.0	ug/L
1-methylrysene	218-01-9	< 1.6	U	0.100	1.6	ug/L
1-methyl-2(b)fluoranthene	205-99-2	< 1.0	U	0.100	1.0	ug/L
1-methyl-2(k)fluoranthene	207-08-9	< 2.6	U	0.100	2.6	ug/L
1-methyl-2(a)pyrene	50-32-8	< 1.5	U	0.100	1.5	ug/L
1-methyl-2(1,2,3-cd)pyrene	193-39-5	< 1.6	U	0.100	1.6	ug/L
1-methyl-2(a,h)anthracene	53-70-3	< 1.5	U	0.100	1.5	ug/L
1-methyl-2(g,h,i)perylene	191-24-2	< 1.3	U	0.100	1.3	ug/L

INTERNAL ROGATES

1-Fluorophenol	367-12-4	115.65	38 %	21 - 100	SPK: 150
1-methyl-2-d5	13127-88-3	121.13	40 %	10 - 94	SPK: 150
1-methyl-2-benzene-d5	4165-60-0	104.16	52 %	35 - 114	SPK: 100
1-Fluorobiphenyl	321-60-8	80.89	40 %	43 - 116	SPK: 100
1,4-Dibromophenol	118-79-6	163.03	54 %	10 - 123	SPK: 150
1-methyl-2-phenyl-d14	1718-51-0	99.46	49 %	33 - 141	SPK: 100

INTERNAL STANDARDS

1,4-Dichlorobenzene-d4	3855-82-1	279297	5.43
1-methylththalene-d8	1146-65-2	485646	7.64
1-methylcaphthene-d10	15067-26-2	336082	11.02
1-methylanthrene-d10	1517-22-2	524393	13.92
1-methylrysene-d12	1719-03-5	603022	19.23

SVOC

JDG No.: R2789-01

Client: EA Engineering, Science, & Technology, Inc.

Sample ID:	R2789-01	Client ID:	WT-01-W
Date Collected:	6/9/03	Date Received:	6/10/03
Date Analyzed:	6/19/03	Matrix:	WATER
Date Extracted:	6/15/03	File ID:	BB010122.D
Dilution:	1	Instrument ID:	BNAB
Analytical Method:	8270	Analytical Run ID:	BB061903
Sample Wt/Wol:	610.0	Extract Vol:	610
Injection Vol:	2	% Moisture:	100
Associated Blank:	PB061503-01B		

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
INTERNAL STANDARDS						
ethylene-d12	1520-96-3	626233	21.97			

SVOC

DG No.: R2789-01

Client: EA Engineering, Science, & Technology, Inc.

Sample ID: R2789-02

Client ID: WT-02-W

Date Collected: 6/9/03

Date Received: 6/10/03

Date Analyzed: 6/19/03

Matrix: WATER

Date Extracted: 6/15/03

File ID: BB010121.D

Dilution: 1

Instrument ID: BNAB

Analytical Method: 8270

Analytical Run ID: BB061903

Sample Wt/Wol: 940.0

Extract Vol: 1000

Injection Vol: 2

% Moisture: 100

Associated Blank: PB061503-01B

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
TARGETS						
1-methylthalene	91-20-3	< 1.3	U	0.110	1.3	ug/L
1-methylnaphthalene	91-57-6	< 1.3	U	0.110	1.3	ug/L
1-acenaphthylene	208-96-8	< 1.3	U	0.110	1.3	ug/L
1-c naphthene	83-32-9	< 1.1	U	0.110	1.1	ug/L
1-lutene	86-73-7	< 1.2	U	0.110	1.2	ug/L
1-benanthrene	85-01-8	< 1.1	U	0.110	1.1	ug/L
1-n racene	120-12-7	< 1.4	U	0.110	1.4	ug/L
1-luoranthene	206-44-0	< 1.1	U	0.110	1.1	ug/L
1-yrene	129-00-0	< 1.1	U	0.110	1.1	ug/L
1-e o(a)anthracene	56-55-3	< 1.1	U	0.110	1.1	ug/L
1-hrysene	218-01-9	< 1.7	U	0.110	1.7	ug/L
1-enzo(b)fluoranthene	205-99-2	< 1.1	U	0.110	1.1	ug/L
1-e o(k)fluoranthene	207-08-9	< 2.8	U	0.110	2.8	ug/L
1-enzo(a)pyrene	50-32-8	< 1.6	U	0.110	1.6	ug/L
1-deno(1,2,3-cd)pyrene	193-39-5	< 1.7	U	0.110	1.7	ug/L
1-il-nz(a,h)anthracene	53-70-3	< 1.6	U	0.110	1.6	ug/L
1-enzo(g,h,i)perylene	191-24-2	< 1.4	U	0.110	1.4	ug/L

U ROGATES

1-Fluorophenol	367-12-4	76.59	51 %	21 - 100	SPK: 150
1-phenol-d5	13127-88-3	96.57	64 %	10 - 94	SPK: 150
1,2-dibenzene-d5	4165-60-0	63.12	63 %	35 - 114	SPK: 100
1-Fluorobiphenyl	321-60-8	58.91	59 %	43 - 116	SPK: 100
1,4-Tribromophenol	118-79-6	103.83	69 %	10 - 123	SPK: 150
1-phenyl-d14	1718-51-0	78.86	79 %	33 - 141	SPK: 100

INTERNAL STANDARDS

1,4-Dichlorobenzene-d4	3855-82-1	233697	5.45
1-naphthalene-d8	1146-65-2	411427	7.68
1-c naphthene-d10	15067-26-2	264352	11.07
1-benanthrene-d10	1517-22-2	418275	13.98
1-hrysene-d12	1719-03-5	365956	19.27

SVOC

DG No.: R2789-01

Client: EA Engineering, Science, & Technology, Inc.

Sample ID: R2789-02

Client ID: WT-02-W

Date Collected: 6/9/03

Date Received: 6/10/03

Date Analyzed: 6/19/03

Matrix: WATER

Date Extracted: 6/15/03

File ID: BB010121.D

Dilution: 1

Instrument ID: BNAB

Analytical Method: 8270

Analytical Run ID: BB061903

Sample Wt/Vol: 940.0

Extract Vol: 1000

Injection Vol: 2

% Moisture: 100

Associated Blank: PB061503-01B

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
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INTERNAL STANDARDS

Perene-d12	1520-96-3	245701	22.02			
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SVOC

JDG No.: R2789-01

Client: EA Engineering, Science, & Technology, Inc.

Sample ID: R2789-02RE

Client ID: WT-02-WRE

Date Collected: 6/9/03

Date Received: 6/10/03

Date Analyzed: 6/20/03

Matrix: WATER

Date Extracted: 6/15/03

File ID: BB010138.D

Dilution: 1

Instrument ID: BNAB

Analytical Method: 8270

Analytical Run ID: BB061903

Sample Wt/Wol: 940.0

Extract Vol: 1000

Injection Vol: 2

% Moisture: 100

Associated Blank: PB061503-01B

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
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TARGETS

1-methylanthracene	91-20-3	< 1.3	U	0.110	1.3	ug/L
1-methylnaphthalene	91-57-6	< 1.3	U	0.110	1.3	ug/L
acenaphthylene	208-96-8	< 1.3	U	0.110	1.3	ug/L
acaphthene	83-32-9	< 1.1	U	0.110	1.1	ug/L
luorene	86-73-7	< 1.2	U	0.110	1.2	ug/L
henanthrene	85-01-8	< 1.1	U	0.110	1.1	ug/L
n racene	120-12-7	< 1.4	U	0.110	1.4	ug/L
luanthrene	206-44-0	< 1.1	U	0.110	1.1	ug/L
pyrene	129-00-0	< 1.1	U	0.110	1.1	ug/L
e o(a)anthracene	56-55-3	< 1.1	U	0.110	1.1	ug/L
hrysene	218-01-9	< 1.7	U	0.110	1.7	ug/L
enzo(b)fluoranthene	205-99-2	< 1.1	U	0.110	1.1	ug/L
e o(k)fluoranthene	207-08-9	< 2.8	U	0.110	2.8	ug/L
enzo(a)pyrene	50-32-8	< 1.6	U	0.110	1.6	ug/L
ideno(1,2,3-cd)pyrene	193-39-5	< 1.7	U	0.110	1.7	ug/L
ilanz(a,h)anthracene	53-70-3	< 1.6	U	0.110	1.6	ug/L
enzo(g,h,i)perylene	191-24-2	< 1.4	U	0.110	1.4	ug/L

U ROGATES

1-Fluorophenol	367-12-4	78.42	52 %	21 - 100	SPK: 150
henol-d5	13127-88-3	93.01	62 %	10 - 94	SPK: 150
itobenzene-d5	4165-60-0	63.41	63 %	35 - 114	SPK: 100
1-Fluorobiphenyl	321-60-8	58.22	58 %	43 - 116	SPK: 100
4-Tribromophenol	118-79-6	114.8	76 %	10 - 123	SPK: 150
ephenyl-d14	1718-51-0	67.47	67 %	33 - 141	SPK: 100

INTERNAL STANDARDS

4-Dichlorobenzene-d4	3855-82-1	305845	5.41
aphthalene-d8	1146-65-2	505176	7.65
caphthene-d10	15067-26-2	342160	11.01
henanthrene-d10	1517-22-2	533393	13.93
hrysene-d12	1719-03-5	641523	19.21

SVOC

JDG No.: R2789-01

Client: EA Engineering, Science, & Technology, Inc.

Sample ID: R2789-02RE

Client ID: WT-02-WRE

Date Collected: 6/9/03

Date Received: 6/10/03

Date Analyzed: 6/20/03

Matrix: WATER

Date Extracted: 6/15/03

File ID: BB010138.D

Dilution: 1

Instrument ID: BNAB

Analytical Method: 8270

Analytical Run ID: BB061903

Sample Wt/Wol: 940.0

Extract Vol: 1000

Injection Vol: 2

% Moisture: 100

Associated Blank: PB061503-01B

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
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INTERNAL STANDARDS

perylene-d12	1520-96-3	352888	21.97			
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SVOC

DG No.: R2789-01

Client: EA Engineering, Science, & Technology, Inc.

Sample ID: R2789-03

Client ID: WT-DUP01

Date Collected: 6/9/03

Date Received: 6/10/03

Date Analyzed: 6/19/03

Matrix: WATER

Date Extracted: 6/15/03

File ID: BB010123.D

Dilution: 1

Instrument ID: BNAB

Analytical Method: 8270

Analytical Run ID: BB061903

Sample Wt/Wol: 530.0

Extract Vol: 530

Injection Vol: 2

% Moisture: 100

Associated Blank: PB061503-01B

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
ARGETS						
1-methylthylene	91-20-3	< 1.2	U	0.100	1.2	ug/L
1-methylnaphthalene	91-57-6	< 1.2	U	0.100	1.2	ug/L
1-naphthylene	208-96-8	< 1.2	U	0.100	1.2	ug/L
1-naphthene	83-32-9	< 1.0	U	0.100	1.0	ug/L
1-naphthene	86-73-7	< 1.1	U	0.100	1.1	ug/L
1-naphthene	85-01-8	< 1.0	U	0.100	1.0	ug/L
1-naphthene	120-12-7	< 1.3	U	0.100	1.3	ug/L
1-naphthene	206-44-0	< 1.0	U	0.100	1.0	ug/L
1-naphthene	129-00-0	< 1.0	U	0.100	1.0	ug/L
1-naphthene	56-55-3	< 1.0	U	0.100	1.0	ug/L
1-naphthene	218-01-9	< 1.6	U	0.100	1.6	ug/L
1-naphthene	205-99-2	< 1.0	U	0.100	1.0	ug/L
1-naphthene	207-08-9	< 2.6	U	0.100	2.6	ug/L
1-naphthene	50-32-8	< 1.5	U	0.100	1.5	ug/L
1-naphthene	193-39-5	< 1.6	U	0.100	1.6	ug/L
1-naphthene	53-70-3	< 1.5	U	0.100	1.5	ug/L
1-naphthene	191-24-2	< 1.3	U	0.100	1.3	ug/L

ROGATES

Fluorophenol	367-12-4	126.19	84 %	21 - 100	SPK: 150
Fluorophenol-d5	13127-88-3	127.03	85 %	10 - 94	SPK: 150
Fluorophenol-d5	4165-60-0	107.54	108 %	35 - 114	SPK: 100
Fluorobiphenyl	321-60-8	98.56	99 %	43 - 116	SPK: 100
1,2,3-Tribromophenol	118-79-6	205.49	137 %	10 - 123	SPK: 150
1,2,3-Tribromophenyl-d14	1718-51-0	111.42	111 %	33 - 141	SPK: 100

INTERNAL STANDARDS

1,2-dichlorobenzene-d4	3855-82-1	343337	5.43
1,2-dichlorobenzene-d8	1146-65-2	582468	7.64
1,2-dichlorobenzene-d10	15067-26-2	397917	11.02
1,2-dichlorobenzene-d12	1517-22-2	647503	13.94
1,2-dichlorobenzene-d14	1719-03-5	718028	19.24

SVOC

DG No.: R2789-01

Client: EA Engineering, Science, & Technology, Inc.

Sample ID:	R2789-03	Client ID:	WT-DUP01
Date Collected:	6/9/03	Date Received:	6/10/03
Date Analyzed:	6/19/03	Matrix:	WATER
Date Extracted:	6/15/03	File ID:	BB010123.D
Dilution:	1	Instrument ID:	BNAB
Analytical Method:	8270	Analytical Run ID:	BB061903
Sample Wt/Wol:	530.0	Extract Vol:	530
Injection Vol:	2	% Moisture:	100
Associated Blank:	PB061503-01B		

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
INTERNAL STANDARDS						
ethylene-d12	1520-96-3	696386	21.98			

Client: EA Engineering, Science, & Technology, Inc.

Client ID: WT-01-S

Date Received: 6/10/03

Matrix: SOIL

File ID: BB010125.D

Instrument ID: BNAB

Analytical Run ID: BB061903

Extract Vol: 1000

% Moisture: 18

1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 2679, 26

PROGATES					
Fluorophenol	367-12-4	139.75	47 %	25 - 121	SPK: 300
ie ol-d5	13127-88-3	144.84	48 %	24 - 113	SPK: 300
to benzene-d5	4165-60-0	117.28	59 %	23 - 120	SPK: 200
Fluorobiphenyl	321-60-8	99.5	50 %	30 - 116	SPK: 200
4, Tribromophenol	118-79-6	191.78	64 %	19 - 122	SPK: 300
phenyl-d14	1718-51-0	119.13	60 %	18 - 137	SPK: 200

1,2-dichlorobenzene-d4	3855-82-1	307129	5.43
1,2,3,4-tetrahydrophthalene-d8	1146-65-2	525974	7.65
1,2,3,4-tetrahydrophthalene-d10	15067-26-2	350746	11.02
1,2,3,4-tetrahydrophthalene-d10	1517-22-2	555955	13.94

SVOC

DG No.: R2789-01

Client: EA Engineering, Science, & Technology, Inc.

Sample ID:	R2789-05	Client ID:	WT-01-S
Date Collected:	6/9/03	Date Received:	6/10/03
Date Analyzed:	6/20/03	Matrix:	SOIL
Date Extracted:	6/13/03	File ID:	BB010125.D
Dilution:	1	Instrument ID:	BNAB
Analytical Method:	8270	Analytical Run ID:	BB061903
Sample Wt/Wol:	30.2	Extract Vol:	1000
Injection Vol:	2	% Moisture:	18
Associated Blank:	PB061303-19B		

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
INTERNAL STANDARDS						
Chrysene-d12	1719-03-5	609906	19.22			
Perene-d12	1520-96-3	580464	21.97			

SVOC

DG No.: R2789-01

Client: EA Engineering, Science, & Technology, Inc.

Sample ID:	R2789-06	Client ID:	WT-02-S
Date Collected:	6/9/03	Date Received:	6/10/03
Date Analyzed:	6/19/03	Matrix:	SOIL
Date Extracted:	6/13/03	File ID:	BB010124.D
Dilution:	1	Instrument ID:	BNAB
Analytical Method:	8270	Analytical Run ID:	BB061903
Sample Wt/Vol:	30.1	Extract Vol:	1000
Injection Vol:	2	% Moisture:	43
Associated Blank:	PB061303-19B		

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
ARGETS						
1-methylthalene	91-20-3	< 68	U	5.8	68	ug/Kg
1-methylnaphthalene	91-57-6	< 68	U	5.8	68	ug/Kg
1-cenaphthylene	208-96-8	< 68	U	5.8	68	ug/Kg
1-cenaphthene	83-32-9	< 68	U	5.8	68	ug/Kg
1-ethylazofuran	132-64-9	< 58	U	5.8	58	ug/Kg
1-fluorene	86-73-7	< 63	U	5.8	63	ug/Kg
1-methylanthrene	85-01-8	75		5.8	58	ug/Kg
1-naphracene	120-12-7	< 75	U	5.8	75	ug/Kg
1-fluoranthene	206-44-0	150		5.8	58	ug/Kg
1-pyrene	129-00-0	110		5.8	58	ug/Kg
1-enzo(a)anthracene	56-55-3	< 58	U	5.8	58	ug/Kg
1-benzofluorene	218-01-9	< 92	U	5.8	92	ug/Kg
1-benzofluoranthene	205-99-2	100		5.8	58	ug/Kg
1-benzofluoranthene	207-08-9	< 150	U	5.8	150	ug/Kg
1-benzopyrene	50-32-8	< 87	U	5.8	87	ug/Kg
1-benzopyrene	193-39-5	< 92	U	5.8	92	ug/Kg
1-benzanthracene	53-70-3	< 87	U	5.8	87	ug/Kg
1-benzoperylene	191-24-2	< 75	U	5.8	75	ug/Kg

UNKNOWN SUBSTANCES						
1-Fluorophenol	367-12-4	138.65	46 %	25 - 121		SPK: 300
1-methyl-d5	13127-88-3	149.79	50 %	24 - 113		SPK: 300
1-methylbenzene-d5	4165-60-0	113.3	57 %	23 - 120		SPK: 200
1-Fluorobiphenyl	321-60-8	100.29	50 %	30 - 116		SPK: 200
4-Tribromophenol	118-79-6	172.93	58 %	19 - 122		SPK: 300
1-phenyl-d14	1718-51-0	112.17	56 %	18 - 137		SPK: 200

INTERNAL STANDARDS

1,4-Dichlorobenzene-d4	3855-82-1	310995	5.42			
1-methylthalene-d8	1146-65-2	536235	7.64			
1-cenaphthene-d10	15067-26-2	360249	11.02			
1-methanthrene-d10	1517-22-2	570927	13.94			

SVOC

SDG No.: R2789-01

Client: EA Engineering, Science, & Technology, Inc.

Sample ID:	R2789-06	Client ID:	WT-02-S
Date Collected:	6/9/03	Date Received:	6/10/03
Date Analyzed:	6/19/03	Matrix:	SOIL
Date Extracted:	6/13/03	File ID:	BB010124.D
Dilution:	1	Instrument ID:	BNAB
Analytical Method:	8270	Analytical Run ID:	BB061903
Sample Wt/Wol:	30.1	Extract Vol:	1000
Injection Vol:	2	% Moisture:	43
Associated Blank:	PB061303-19B		

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
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INTERNAL STANDARDS

Dechlorobiphenyl-d12	1719-03-5	665317	19.22			
Dechlorobiphenyl-d12	1520-96-3	656298	21.97			

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WT-01-W

Lab Name: Chemtech Consulting Group

Contract: EAEN01

Lab Code: CHEM Case No.: R2789

SAS No.: R2789

SDG No.: R2789-01

Matrix (soil/water): WATER

Lab Sample ID: R2789-01

Sample wt/vol: 610.0 (g/mL mL)

Lab File ID: BA005367.D

Level: (low/med)

Date Received: 6/10/03

% Moisture: 100 Decanted: (Y/N) N

Date Extracted: 6/15/03

Concentrated Extract Volume: 610 (uL)

Date Analyzed: 6/20/03

Injection Volume: 2.0

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Extraction: (Type) CONT

CONCENTRATION UNITS:

CAS NO.	COMPOUND	ug/L or ug/Kg	ug/L	Q
100-52-7	Benzaldehyde	5.0	U	
108-95-2	Phenol	5.0	U	
111-44-4	bis(2-Chloroethyl) ether	5.0	U	
95-57-8	2-Chlorophenol	5.0	U	
95-48-7	2-Methylphenol	5.0	U	
108-60-1	2,2-oxybis(1-Chloropropane)	5.0	U	
98-86-2	Acetophenone	5.0	U	
106-44-5	3+4-Methylphenols	5.0	U	
621-64-7	N-Nitroso-di-n-propylamine	5.0	U	
67-72-1	Hexachloroethane	5.0	U	
98-95-3	Nitrobenzene	5.0	U	
78-59-1	Isophorone	5.0	U	
88-75-5	2-Nitrophenol	5.0	U	
105-67-9	2,4-Dimethylphenol	5.0	U	
111-91-1	bis(2-Chloroethoxy) methane	5.0	U	
120-83-2	2,4-Dichlorophenol	5.0	U	
106-47-8	4-Chloroaniline	5.0	U	
87-68-3	Hexachlorobutadiene	5.0	U	
105-60-2	Caprolactam	5.0	U	
59-50-7	4-Chloro-3-methylphenol	5.0	U	
77-47-4	Hexachlorocyclopentadiene	5.0	U	
88-06-2	2,4,6-Trichlorophenol	5.0	U	
95-95-4	2,4,5-Trichlorophenol	10	U	
92-52-4	1,1-Biphenyl	5.0	U	
91-58-7	2-Chloronaphthalene	5.0	U	
88-74-4	2-Nitroaniline	10	U	
131-11-3	Dimethylphthalate	5.0	U	
606-20-2	2,6-Dinitrotoluene	5.0	U	
99-09-2	3-Nitroaniline	10	U	
51-28-5	2,4-Dinitrophenol	10	U	
100-02-7	4-Nitrophenol	10	U	
132-64-9	Dibenzofuran	5.0	U	

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WT-01-W

Lab Name: Chemtech Consulting Group

Contract: EAEN01

Lab Code: CHEM Case No.: R2789

SAS No.: R2789

SDG No.: R2789-01

Matrix (soil/water): WATER

Lab Sample ID: R2789-01

Sample wt/vol: 610.0 (g/mL mL)

Lab File ID: BA005367.D

Level: (low/med)

Date Received: 6/10/03

% Moisture: 100 Decanted: (Y/N) N

Date Extracted: 6/15/03

Concentrated Extract Volume: 610 (uL)

Date Analyzed: 6/20/03

Injection Volume: 2.0

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Extraction: (Type) CONT

CONCENTRATION UNITS:

CAS NO.

COMPOUND

ug/L or ug/Kg

ug/L

Q

121-14-2	2,4-Dinitrotoluene	5.0	U
84-66-2	Diethylphthalate	5.0	U
7005-72-3	4-Chlorophenyl-phenylether	5.0	U
100-01-6	4-Nitroaniline	10	U
534-52-1	4,6-Dinitro-2-methylphenol	10	U
86-30-6	N-Nitrosodiphenylamine	5.0	U
101-55-3	4-Bromophenyl-phenylether	5.0	U
118-74-1	Hexachlorobenzene	5.0	U
1912-24-9	Atrazine	5.0	U
87-86-5	Pentachlorophenol	5.0	U
86-74-8	Carbazole	5.0	U
84-74-2	Di-n-butylphthalate	5.0	U
85-68-7	Butylbenzylphthalate	5.0	U
91-94-1	3,3-Dichlorobenzidine	5.0	U
117-81-7	bis(2-Ethylhexyl)phthalate	8.0	U
117-84-0	Di-n-octyl phthalate	5.0	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WT-01-W

+ND
06/22

Lab Name: Chemtech Consulting Group

Contract: EAEN01

Lab Code: CHEM Case No.: R2789

SAS No.: R2789

SDG No.: R2789-01

Matrix (soil/water): WATER

Lab Sample ID: R2789-01

Sample wt/vol: 610.0 (g/mL mL)

Lab File ID: BA005367.D

Level: (low/med)

Date Received: 6/10/03

% Moisture: 100 Decanted: (Y/N) N

Date Extracted: 6/15/03

Concentrated Extract Volume: 610 (uL)

Date Analyzed: 6/20/03

Injection Volume: 2

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Extraction: (Type) CONT

Number TICS found: 2

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

CAS NO.	COMPOUND	RT	EST. CONC.	Q
0	Butyl hexadecanoate	16.00	120	J
123955	Octadecanoic acid, butyl ester	17.30	20	J

Comments:

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WT-01-WRE

Lab Name: Chemtech Consulting Group

Contract: EAEN01

Lab Code: CHEM Case No.: R2789

SAS No.: R2789

SDG No.: R2789-01

Matrix (soil/water): WATER

Lab Sample ID: R2789-01RE

Sample wt/vol: 610.0 (g/mL mL)

Lab File ID: BA00 5377.D

Level: (low/med)

Date Received: 6/10/03

% Moisture: 100 Decanted: (Y/N) N

Date Extracted: 6/15/03

Concentrated Extract Volume: 610 (uL)

Date Analyzed: 6/20/03

Injection Volume: 2.0

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Extraction: (Type) CONT

CONCENTRATION UNITS:

CAS NO.	COMPOUND	ug/L or ug/Kg	ug/L	Q
100-52-7	Benzaldehyde	5.0	U	
108-95-2	Phenol	5.0	U	
111-44-4	bis(2-Chloroethyl) ether	5.0	U	
95-57-8	2-Chlorophenol	5.0	U	
95-48-7	2-Methylphenol	5.0	U	
108-60-1	2,2-oxybis(1-Chloropropane)	5.0	U	
98-86-2	Acetophenone	5.0	U	
106-44-5	3+4-Methylphenols	5.0	U	
621-64-7	N-Nitroso-di-n-propylamine	5.0	U	
67-72-1	Hexachloroethane	5.0	U	
98-95-3	Nitrobenzene	5.0	U	
78-59-1	Isophorone	5.0	U	
88-75-5	2-Nitrophenol	5.0	U	
105-67-9	2,4-Dimethylphenol	5.0	U	
111-91-1	bis(2-Chloroethoxy) methane	5.0	U	
120-83-2	2,4-Dichlorophenol	5.0	U	
106-47-8	4-Chloroaniline	5.0	U	
87-68-3	Hexachlorobutadiene	5.0	U	
105-60-2	Caprolactam	1.1	J	
59-50-7	4-Chloro-3-methylphenol	5.0	U	
77-47-4	Hexachlorocyclopentadiene	5.0	U	
88-06-2	2,4,6-Trichlorophenol	5.0	U	
95-95-4	2,4,5-Trichlorophenol	10	U	
92-52-4	1,1-Biphenyl	5.0	U	
91-58-7	2-Chloronaphthalene	5.0	U	
88-74-4	2-Nitroaniline	10	U	
131-11-3	Dimethylphthalate	5.0	U	
606-20-2	2,6-Dinitrotoluene	5.0	U	
99-09-2	3-Nitroaniline	10	U	
51-28-5	2,4-Dinitrophenol	10	U	
100-02-7	4-Nitrophenol	10	U	
132-64-9	Dibenzofuran	5.0	U	

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WT-01-WRE

Lab Name: Chemtack Consulting Group

Contract: EAEN01

Lab Code: CHEM

Case No.: R2789

SAS No.: R2789

SDG No.: R2789-01

Matrix (soil/water): WATER

Lab Sample ID: R2789-01RE

Sample wt/vol: 610.0 (g/mL mL)

Lab File ID: BA005377.D

Level: (low/med)

Date Received: 6/10/03

% Moisture: 100 Decanted: (Y/N) N

Date Extracted: 6/15/03

Concentrated Extract Volume: 610 (uL)

Date Analyzed: 6/20/03

Injection Volume: 2.0

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Extraction: (Type) CONT

CONCENTRATION UNITS:

CAS NO.

COMPOUND

ug/L or ug/Kg) ug/L

Q

121-14-2	2,4-Dinitrotoluene	5.0	U
84-66-2	Diethylphthalate	5.0	U
7005-72-3	4-Chlorophenyl-phenylether	5.0	U
100-01-6	4-Nitroaniline	10	U
534-52-1	4,6-Dinitro-2-methylphenol	10	U
86-30-6	N-Nitrosodiphenylamine	5.0	U
101-55-3	4-Bromophenyl-phenylether	5.0	U
118-74-1	Hexachlorobenzene	5.0	U
1912-24-9	Atrazine	5.0	U
87-86-5	Pentachlorophenol	5.0	U
86-74-8	Carbazole	5.0	U
84-74-2	Di-n-butylphthalate	5.0	U
85-68-7	Butylbenzylphthalate	5.0	U
91-94-1	3,3-Dichlorobenzidine	5.0	U
117-81-7	bis(2-Ethylhexyl)phthalate	8.6	
117-84-0	Di-n-octyl phthalate	5.0	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WT-01RE-
WT-CHWRE+12
06/22/

Lab Name: Chemtech Consulting Group

Contract: EAEN01

Lab Code: CHEM Case No.: R2789

SAS No.: R2789

SDG No.: R2789-01

Matrix (soil/water): WATER

Lab Sample ID: R2789-01RE

Sample wt/vol: 610.0 (g/mL mL)

Lab File ID: BA005377.D

Level: (low/med)

Date Received: 6/10/03

% Moisture: 100 Decanted: (Y/N) N

Date Extracted: 6/15/03

Concentrated Extract Volume: 610 (uL)

Date Analyzed: 6/20/03

Injection Volume: 2

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Extraction: (Type) CONT

Number TICS found: 2

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

CAS NO.	COMPOUND	RT	EST. CONC.	Q
0	Butyl hexadecanoate	16.00	130	J
646139	Octadecanoic acid, 2-methylpropyl est	17.30	20	J

Comments:

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WT-02-W

Lab Name: Chemtech Consulting Group

Contract: EAEN01

Lab Code: CHEM

Case No.: R2789

SAS No.: R2789

SDG No.: R2789-01

Matrix (soil/water): WATER

Lab Sample ID: R2789-02

Sample wt/vol: 940.0 (g/mL mL)

Lab File ID: BA005366.D

Level: (low/med)

Date Received: 6/10/03

% Moisture: 100 Decanted: (Y/N) N

Date Extracted: 6/15/03

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 6/20/03

Injection Volume: 2.0

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Extraction: (Type) CONT

CONCENTRATION UNITS:

CAS NO.

COMPOUND

ug/L or ug/Kg)

ug/L

Q

100-52-7	Benzaldehyde	5.3	U
108-95-2	Phenol	5.3	U
111-44-4	bis(2-Chloroethyl) ether	5.3	U
95-57-8	2-Chlorophenol	5.3	U
95-48-7	2-Methylphenol	5.3	U
108-60-1	2,2-oxybis(1-Chloropropane)	5.3	U
98-86-2	Acetophenone	5.3	U
106-44-5	3+4-Methylphenols	5.3	U
621-64-7	N-Nitroso-di-n-propylamine	5.3	U
67-72-1	Hexachloroethane	5.3	U
98-95-3	Nitrobenzene	5.3	U
78-59-1	Isophorone	5.3	U
88-75-5	2-Nitrophenol	5.3	U
105-67-9	2,4-Dimethylphenol	5.3	U
111-91-1	bis(2-Chloroethoxy)methane	5.3	U
120-83-2	2,4-Dichlorophenol	5.3	U
106-47-8	4-Chloroaniline	5.3	U
87-68-3	Hexachlorobutadiene	5.3	U
105-60-2	Caprolactam	1.3	J
59-50-7	4-Chloro-3-methylphenol	5.3	U
77-47-4	Hexachlorocyclopentadiene	5.3	U
88-06-2	2,4,6-Trichlorophenol	5.3	U
95-95-4	2,4,5-Trichlorophenol	11	U
92-52-4	1,1-Biphenyl	5.3	U
91-58-7	2-Chloronaphthalene	5.3	U
88-74-4	2-Nitroaniline	11	U
131-11-3	Dimethylphthalate	5.3	U
606-20-2	2,6-Dinitrotoluene	5.3	U
99-09-2	3-Nitroaniline	11	U
51-28-5	2,4-Dinitrophenol	11	U
100-02-7	4-Nitrophenol	11	U
132-64-9	Dibenzofuran	5.3	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WT-02-W

Lab Name: Chemtech Consulting Group

Contract: EAEN01

Lab Code: CHEM Case No.: R2789

SAS No.: R2789

SDG No.: R2789-01

Matrix (soil/water): WATER

Lab Sample ID: R2789-02

Sample wt/vol: 940.0 (g/mL mL)

Lab File ID: BA005366.D

Level: (low/med)

Date Received: 6/10/03

% Moisture: 100 Decanted: (Y/N) N

Date Extracted: 6/15/03

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 6/20/03

Injection Volume: 2.0

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Extraction: (Type) CONT

CONCENTRATION UNITS:

CAS NO.	COMPOUND	ug/L or ug/Kg	ug/L	Q
121-14-2	2,4-Dinitrotoluene	5.3	U	
84-66-2	Diethylphthalate	5.3	U	
7005-72-3	4-Chlorophenyl-phenylether	5.3	U	
100-01-6	4-Nitroaniline	11	U	
534-52-1	4,6-Dinitro-2-methylphenol	11	U	
86-30-6	N-Nitrosodiphenylamine	5.3	U	
101-55-3	4-Bromophenyl-phenylether	5.3	U	
118-74-1	Hexachlorobenzene	5.3	U	
1912-24-9	Atrazine	5.3	U	
87-86-5	Pentachlorophenol	5.3	U	
86-74-8	Carbazole	5.3	U	
84-74-2	Di-n-butylphthalate	5.3	U	
85-68-7	Butylbenzylphthalate	5.3	U	
91-94-1	3,3-Dichlorobenzidine	5.3	U	
117-81-7	bis(2-Ethylhexyl)phthalate	5.3	U	
117-84-0	Di-n-octyl phthalate	5.3	U	

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WT-02W

HD
06/22/

Lab Name: Chemtech Consulting Group

Contract: EAEN01

Lab Code: CHEM Case No.: R2789

SAS No.: R2789

SDG No.: R2789-01

Matrix (soil/water): WATER

Lab Sample ID: R2789-02

Sample wt/vol: 940.0 (g/mL mL)

Lab File ID: BA005366.D

Level: (low/med)

Date Received: 6/10/03

% Moisture: 100 Decanted: (Y/N) N

Date Extracted: 6/15/03

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 6/20/03

Injection Volume: 2

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Extraction: (Type) CONT

Number TICS found: 4

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

CAS NO.	COMPOUND	RT	EST. CONC.	Q
10574375	2-Pentene, 2,3-dimethyl-	1.64	12	J
	ACP	1.76	4.0	A
	ACP	2.45	3.1	AB
97870	Propanoic acid, 2-methyl-, butyl est	9.21	2.2	J

Comments:

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WT-DUP01

Lab Name: Chemtech Consulting Group

Contract: EAEN01

Lab Code: CHEM Case No.: R2789

SAS No.: R2789

SDG No.: R2789-01

Matrix (soil/water): WATER

Lab Sample ID: R2789-03

Sample wt/vol: 530.0 (g/mL mL)

Lab File ID: BA005368.D

Level: (low/med)

Date Received: 6/10/03

% Moisture: 100 Decanted: (Y/N) N

Date Extracted: 6/15/03

Concentrated Extract Volume: 530 (uL)

Date Analyzed: 6/20/03

Injection Volume: 2.0

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Extraction: (Type) CONT

CONCENTRATION UNITS:

CAS NO.

COMPOUND

ug/L or ug/Kg) ug/L

Q

100-52-7	Benzaldehyde	5.0	U
108-95-2	Phenol	5.0	U
111-44-4	bis(2-Chloroethyl) ether	5.0	U
95-57-8	2-Chlorophenol	5.0	U
95-48-7	2-Methylphenol	5.0	U
108-60-1	2,2-oxybis(1-Chloropropane)	5.0	U
98-86-2	Acetophenone	5.0	U
106-44-5	3+4-Methylphenols	5.0	U
621-64-7	N-Nitroso-di-n-propylamine	5.0	U
67-72-1	Hexachloroethane	5.0	U
98-95-3	Nitrobenzene	5.0	U
78-59-1	Isophorone	5.0	U
88-75-5	2-Nitrophenol	5.0	U
105-67-9	2,4-Dimethylphenol	5.0	U
111-91-1	bis(2-Chloroethoxy) methane	5.0	U
120-83-2	2,4-Dichlorophenol	5.0	U
106-47-8	4-Chloroaniline	5.0	U
87-68-3	Hexachlorobutadiene	5.0	U
105-60-2	Caprolactam	1.1	J
59-50-7	4-Chloro-3-methylphenol	5.0	U
77-47-4	Hexachlorocyclopentadiene	5.0	U
88-06-2	2,4,6-Trichlorophenol	5.0	U
95-95-4	2,4,5-Trichlorophenol	10	U
92-52-4	1,1-Biphenyl	5.0	U
91-58-7	2-Chloronaphthalene	5.0	U
88-74-4	2-Nitroaniline	10	U
131-11-3	Dimethylphthalate	5.0	U
606-20-2	2,6-Dinitrotoluene	5.0	U
99-09-2	3-Nitroaniline	10	U
51-28-5	2,4-Dinitrophenol	10	U
100-02-7	4-Nitrophenol	10	U
132-64-9	Dibenzofuran	5.0	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WT-DUP01

Lab Name: Chemtech Consulting Group

Contract: EAEN01

Lab Code: CHEM Case No.: R2789

SAS No.: R2789

SDG No.: R2789-01

Matrix (soil/water): WATER

Lab Sample ID: R2789-03

Sample wt/vol: 530.0 (g/mL mL)

Lab File ID: BA005368.D

Level: (low/med)

Date Received: 6/10/03

% Moisture: 100 Decanted: (Y/N) N

Date Extracted: 6/15/03

Concentrated Extract Volume: 530 (uL)

Date Analyzed: 6/20/03

Injection Volume: 2.0

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Extraction: (Type) CONT

CONCENTRATION UNITS:

CAS NO.

COMPOUND

ug/L or ug/Kg ug/L

Q

121-14-2	2,4-Dinitrotoluene	5.0	U
84-66-2	Diethylphthalate	5.0	U
7005-72-3	4-Chlorophenyl-phenylether	5.0	U
100-01-6	4-Nitroaniline	10	U
534-52-1	4,6-Dinitro-2-methylphenol	10	U
86-30-6	N-Nitrosodiphenylamine	5.0	U
101-55-3	4-Bromophenyl-phenylether	5.0	U
118-74-1	Hexachlorobenzene	5.0	U
1912-24-9	Atrazine	5.0	U
87-86-5	Pentachlorophenol	5.0	U
86-74-8	Carbazole	5.0	U
84-74-2	Di-n-butylphthalate	5.0	U
85-68-7	Butylbenzylphthalate	0.930	J
91-94-1	3,3-Dichlorobenzidine	5.0	U
117-81-7	Bis(2-ethylhexyl)phthalate	2200	E
117-84-0	Di-n-octyl phthalate	5.0	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WT-DUP01

Lab Name: Chemtech Consulting GroupContract: EAEN01Lab Code: CHEM Case No.: R2789SAS No.: R2789SDG No.: R2789-01Matrix (soil/water): WATERLab Sample ID: R2789-03Sample wt/vol: 530.0 (g/mL mL)Lab File ID: BA005368.DLevel: (low/med) Date Received: 6/10/03% Moisture: 100 Decanted: (Y/N) NDate Extracted: 6/15/03Concentrated Extract Volume: 530 (uL)Date Analyzed: 6/20/03Injection Volume: 2Dilution Factor: 1.0GPC Cleanup: (Y/N) N pH: Extraction: (Type) CONTNumber TICS found: 1CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	RT	EST. CONC.	Q
57103	Hexadecanoic acid	14.82	26	J

Comments:

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WT-DUF01DL

Lab Name: Chemtech Consulting Group

Contract: EAEN01

Lab Code: CHEM Case No.: R2789

SAS No.: R2789

SDG No.: R2789-01

Matrix (soil/water): WATER

Lab Sample ID: R2789-03DL

Sample wt/vol: 530.0 (g/mL mL)

Lab File ID: BA005378.D

Level: (low/med)

Date Received: 6/10/03

% Moisture: 100 Decanted: (Y/N) N

Date Extracted: 6/15/03

Concentrated Extract Volume: 530 (uL)

Date Analyzed: 6/21/03

Injection Volume: 2.0

Dilution Factor: 100.0

GPC Cleanup: (Y/N) N pH:

Extraction: (Type) CONT

CONCENTRATION UNITS:

ug/L or ug/Kg) ug/L Q

CAS NO.	COMPOUND	ug/L or ug/Kg)	ug/L	Q
100-52-7	Benzaldehyde	500	UD	
108-95-2	Phenol	500	UD	
111-44-4	bis(2-Chloroethyl) ether	500	UD	
95-57-8	2-Chlorophenol	500	UD	
95-48-7	2-Methylphenol	500	UD	
108-60-1	2,2-oxybis(1-Chloropropane)	500	UD	
98-86-2	Acetophenone	500	UD	
106-44-5	3+4-Methylphenols	500	UD	
621-64-7	N-Nitroso-di-n-propylamine	500	UD	
67-72-1	Hexachloroethane	500	UD	
98-95-3	Nitrobenzene	500	UD	
78-59-1	Isophorone	500	UD	
88-75-5	2-Nitrophenol	500	UD	
105-67-9	2,4-Dimethylphenol	500	UD	
111-91-1	bis(2-Chloroethoxy)methane	500	UD	
120-83-2	2,4-Dichlorophenol	500	UD	
106-47-8	4-Chloroaniline	500	UD	
87-68-3	Hexachlorobutadiene	500	UD	
105-60-2	Caprolactam	500	UD	
59-50-7	4-Chloro-3-methylphenol	500	UD	
77-47-4	Hexachlorocyclopentadiene	500	UD	
88-06-2	2,4,6-Trichlorophenol	500	UD	
95-95-4	2,4,5-Trichlorophenol	1000	UD	
92-52-4	1,1-Biphenyl	500	UD	
91-58-7	2-Chloronaphthalene	500	UD	
88-74-4	2-Nitroaniline	1000	UD	
131-11-3	Dimethylphthalate	500	UD	
606-20-2	2,6-Dinitrotoluene	500	UD	
99-09-2	3-Nitroaniline	1000	UD	
51-28-5	2,4-Dinitrophenol	1000	UD	
100-02-7	4-Nitrophenol	1000	UD	
132-64-9	Dibenzofuran	500	UD	

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WT-DUP01DL

Lab Name: Chemtech Consulting Group

Contract: EAEN01

Lab Code: CHEM Case No.: R2789

SAS No.: R2789

SDG No.: R2789-01

Matrix (soil/water): WATER

Lab Sample ID: R2789-03DL

Sample wt/vol: 530.0 (g/mL mL)

Lab File ID: BA005378.D

Level: (low/med)

Date Received: 6/10/03

% Moisture: 100 Decanted: (Y/N) N

Date Extracted: 6/15/03

Concentrated Extract Volume: 530 (uL)

Date Analyzed: 6/21/03

Injection Volume: 2.0

Dilution Factor: 100.0

GPC Cleanup: (Y/N) N pH:

Extraction: (Type) CONT

CONCENTRATION UNITS:

CAS NO.

COMPOUND

ug/L or ug/Kg

ug/L

Q

121-14-2	2,4-Dinitrotoluene	500	UD
84-66-2	Diethylphthalate	500	UD
7005-72-3	4-Chlorophenyl-phenylether	500	UD
100-01-6	4-Nitroaniline	1000	UD
534-52-1	4,6-Dinitro-2-methylphenol	1000	UD
86-30-6	N-Nitrosodiphenylamine	500	UD
101-55-3	4-Bromophenyl-phenylether	500	UD
118-74-1	Hexachlorobenzene	500	UD
1912-24-9	Atrazine	500	UD
87-86-5	Pentachlorophenol	500	UD
86-74-8	Carbazole	500	UD
84-74-2	Di-n-butylphthalate	500	UD
85-68-7	Butylbenzylphthalate	500	UD
91-94-1	3,3-Dichlorobenzidine	500	UD
117-81-7	bis(2-Ethylhexyl)phthalate	1200	D
117-84-0	Di-n-octyl phthalate	500	UD

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WT-DUP01DL

Lab Name: Chemtech Consulting Group

Contract: EAEN01

Lab Code: CHEM Case No.: R2789

SAS No.: R2789

SDG No.: R2789-01

Matrix (soil/water): WATER

Lab Sample ID: R2789-03DL

Sample wt/vol: 530.0 (g/mL mL

Lab File ID: BA005378.D

Level: (low/med)

Date Received: 6/10/03

% Moisture: 100 Decanted: (Y/N) N

Date Extracted: 6/15/03

Concentrated Extract Volume: 530 (uL)

Date Analyzed: 6/21/03

Injection Volume: 2

Dilution Factor: 100.0

GPC Cleanup: (Y/N) N pH:

Extraction: (Type) CONT

Number TICS found: 0

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

CAS NO.	COMPOUND	RT	EST. CONC.	Q

Comments:

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WT-01-S

Lab Name: Chemtech Consulting Group

Contract: EAEN01

Lab Code: CHEM Case No.: R2789

SAS No.: R2789

SDG No.: R2789-01

Matrix (soil/water): SOIL

Lab Sample ID: R2789-05

Sample wt/vol: 30.3 (g/mL g

Lab File ID: BA005371.D

Level: (low/med) LOW

Date Received: 6/10/03

% Moisture: 18 Decanted: (Y/N) N

Date Extracted: 6/13/03

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 6/20/03

Injection Volume: 2.0

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH:

Extraction: (Type) SONC

CONCENTRATION UNITS:

ug/L or ug/Kg) ug/Kg Q

CAS NO.	COMPOUND	ug/L or ug/Kg)	ug/Kg	Q
100-52-7	Benzaldehyde	400	U	
108-95-2	Phenol	400	U	
111-44-4	bis(2-Chloroethyl) ether	400	U	
95-57-8	2-Chlorophenol	400	U	
95-48-7	2-Methylphenol	400	U	
108-60-1	2,2-oxybis(1-Chloropropane)	400	U	
98-86-2	Acetophenone	400	U	
106-44-5	3+4-Methylphenols	400	U	
621-64-7	N-Nitroso-di-n-propylamine	400	U	
67-72-1	Hexachloroethane	400	U	
98-95-3	Nitrobenzene	400	U	
78-59-1	Isophorone	400	U	
88-75-5	2-Nitrophenol	400	U	
105-67-9	2,4-Dimethylphenol	400	U	
111-91-1	bis(2-Chloroethoxy) methane	400	U	
120-83-2	2,4-Dichlorophenol	400	U	
106-47-8	4-Chloroaniline	400	U	
87-68-3	Hexachlorobutadiene	400	U	
105-60-2	Caprolactam	400	U	
59-50-7	4-Chloro-3-methylphenol	400	U	
77-47-4	Hexachlorocyclopentadiene	400	U	
88-06-2	2,4,6-Trichlorophenol	400	U	
95-95-4	2,4,5-Trichlorophenol	1000	U	
92-52-4	1,1-Biphenyl	400	U	
91-58-7	2-Chloronaphthalene	400	U	
88-74-4	2-Nitroaniline	1000	U	
131-11-3	Dimethylphthalate	400	U	
606-20-2	2,6-Dinitrotoluene	400	U	
99-09-2	3-Nitroaniline	1000	U	
51-28-5	2,4-Dinitrophenol	1000	U	
100-02-7	4-Nitrophenol	1000	U	
121-14-2	2,4-Dinitrotoluene	400	U	

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WT-01-S

Lab Name: Chemtech Consulting Group

Contract: EAEN01

Lab Code: CHEM

Case No.: R2789

SAS No.: R2789

SDG No.: R2789-01

Matrix (soil/water): SOIL

Lab Sample ID: R2789-05

Sample wt/vol: 30.3 (g/mL g)

Lab File ID: BA005371.D

Level: (low/med) LOW

Date Received: 6/10/03

% Moisture: 18 Decanted: (Y/N) N

Date Extracted: 6/13/03

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 6/20/03

Injection Volume: 2.0

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH:

Extraction: (Type) SONC

CONCENTRATION UNITS:

CAS NO.	COMPOUND	ug/L or ug/Kg	ug/Kg	Q
84-66-2	Diethylphthalate	400	U	
7005-72-3	4-Chlorophenyl-phenylether	400	U	
100-01-6	4-Nitroaniline	1000	U	
534-52-1	4,6-Dinitro-2-methylphenol	1000	U	
86-30-6	N-Nitrosodiphenylamine	400	U	
101-55-3	4-Bromophenyl-phenylether	400	U	
118-74-1	Hexachlorobenzene	400	U	
1912-24-9	Atrazine	400	U	
87-86-5	Pentachlorophenol	1000	U	
86-74-8	Carbazole	400	U	
84-74-2	Di-n-butylphthalate	400	U	
85-68-7	Butylbenzylphthalate	400	U	
91-94-1	3,3-Dichlorobenzidine	400	U	
117-81-7	bis(2-Ethylhexyl)phthalate	400	U	
117-84-0	Di-n-octyl phthalate	400	U	

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WT-01-S

+NF
06/23Lab Name: Chemtech Consulting GroupContract: EAEN01Lab Code: CHEM Case No.: R2789SAS No.: R2789SDG No.: R2789-01Matrix (soil/water): SOILLab Sample ID: R2789-05Sample wt/vol: 30.3 (g/mL g)Lab File ID: BA005371.DLevel: (low/med) LOWDate Received: 6/10/03% Moisture: 18 Decanted: (Y/N) NDate Extracted: 6/13/03Concentrated Extract Volume: 500 (uL)Date Analyzed: 6/20/03Injection Volume: 2Dilution Factor: 1.0GPC Cleanup: (Y/N) Y pH: Extraction: (Type) SONCNumber TICS found: 5CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	RT	EST. CONC.	Q
79390	Methacrylamide	1.18	140	J
34075280	Butane, 2,3-dimethyl-2-nitro-	1.67	200	J
625332	3-Penten-2-one	2.19	99	J
	ACP	2.37	290	AB
57103	Hexadecanoic acid	14.73	170	JB

Comments:

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WT-02-S

Lab Name: Chemtech Consulting Group

Contract: EAEN01

Lab Code: CHEM Case No.: R2789

SAS No.: R2789

SDG No.: R2789-01

Matrix (soil/water): SOIL

Lab Sample ID: R2789-06

Sample wt/vol: 30.4 (g/mL g)

Lab File ID: BA005370.D

Level: (low/med) LOW

Date Received: 6/10/03

% Moisture: 43 Decanted: (Y/N) N

Date Extracted: 6/13/03

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 6/20/03

Injection Volume: 2.0

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH:

Extraction: (Type) SONC

CONCENTRATION UNITS:

CAS NO.

COMPOUND

ug/L or ug/Kg ug/Kg

Q

100-52-7	Benzaldehyde	570	U
108-95-2	Phenol	570	U
111-44-4	bis(2-Chloroethyl) ether	570	U
95-57-8	2-Chlorophenol	570	U
95-48-7	2-Methylphenol	570	U
108-60-1	2,2-oxybis(1-Chloropropane)	570	U
98-86-2	Acetophenone	570	U
106-44-5	3+4-Methylphenols	570	U
621-64-7	N-Nitroso-di-n-propylamine	570	U
67-72-1	Hexachloroethane	570	U
98-95-3	Nitrobenzene	570	U
78-59-1	Isophorone	570	U
88-75-5	2-Nitrophenol	570	U
105-67-9	2,4-Dimethylphenol	570	U
111-91-1	bis(2-Chloroethoxy) methane	570	U
120-83-2	2,4-Dichlorophenol	570	U
106-47-8	4-Chloroaniline	570	U
87-68-3	Hexachlorobutadiene	570	U
105-60-2	Caprolactam	570	U
59-50-7	4-Chloro-3-methylphenol	570	U
77-47-4	Hexachlorocyclopentadiene	570	U
88-06-2	2,4,6-Trichlorophenol	570	U
95-95-4	2,4,5-Trichlorophenol	1400	U
92-52-4	1,1-Biphenyl	570	U
91-58-7	2-Chloronaphthalene	570	U
88-74-4	2-Nitroaniline	1400	U
131-11-3	Dimethylphthalate	570	U
606-20-2	2,6-Dinitrotoluene	570	U
99-09-2	3-Nitroaniline	1400	U
51-28-5	2,4-Dinitrophenol	1400	U
100-02-7	4-Nitrophenol	1400	U
121-14-2	2,4-Dinitrotoluene	570	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WT-02-S

Lab Name: Chemtech Consulting Group

Contract: EAEN01

Lab Code: CHEM Case No.: R2789

SAS No.: R2789

SDG No.: R2789-01

Matrix (soil/water): SOIL

Lab Sample ID: R2789-06

Sample wt/vol: 30.4 (g/mL g

Lab File ID: BA005370.D

Level: (low/med) LOW

Date Received: 6/10/03

% Moisture: 43 Decanted: (Y/N) N

Date Extracted: 6/13/03

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 6/20/03

Injection Volume: 2.0

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH:

Extraction: (Type) SONC

CONCENTRATION UNITS:

CAS NO. COMPOUND ug/L or ug/Kg ug/Kg Q

84-66-2	Diethylphthalate	570	U
7005-72-3	4-Chlorophenyl-phenylether	570	U
100-01-6	4-Nitroaniline	1400	U
534-52-1	4,6-Dinitro-2-methylphenol	1400	U
86-30-6	N-Nitrosodiphenylamine	570	U
101-55-3	4-Bromophenyl-phenylether	570	U
118-74-1	Hexachlorobenzene	570	U
1912-24-9	Atrazine	570	U
87-86-5	Pentachlorophenol	1400	U
86-74-8	Carbazole	570	U
84-74-2	Di-n-butylphthalate	570	U
85-68-7	Butylbenzylphthalate	570	U
91-94-1	3,3-Dichlorobenzidine	570	U
117-81-7	bis(2-Ethylhexyl)phthalate	570	U
117-84-0	Di-n-octyl phthalate	570	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WT-02-S

-HJ
6/23/0

Lab Name: Chemtech Consulting Group

Contract: EAEN01

Lab Code: CHEM Case No.: R2789

SAS No.: R2789

SDG No.: R2789-01

Matrix (soil/water): SOIL

Lab Sample ID: R2789-06

Sample wt/vol: 30.4 (g/mL g

Lab File ID: BA005370.D

Level: (low/med) LOW

Date Received: 6/10/03

% Moisture: 43 Decanted: (Y/N) N

Date Extracted: 6/13/03

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 6/20/03

Injection Volume: 2

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH:

Extraction: (Type) SONC

Number TICS found: 3

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

CAS NO.	COMPOUND	RT	EST. CONC.	Q
79390	Methacrylamide	1.20	200	J
	ACP	2.38	1000	AB
57103	Hexadecanoic acid	14.74	650	JB

Comments:

Metals

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

WT-01

Lab Name: Chemtech Consulting GroupContract: EA Engineering,

Lab Code: _____ Case No.: _____

SAS No.: R2789SDG No.: R2789Matrix (soil/water): WATERLab Sample ID: R2789-01Level (low/med): LOWDate Received: 6/10/03% Solids: 0.0Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	245			P
7440-36-0	Antimony	4.7	U		P
7440-38-2	Arsenic	2.8	U		P
7440-39-3	Barium	46.2	J		P
7440-41-7	Beryllium	0.10	U		P
7440-43-9	Cadmium	0.40	U		P
7440-70-2	Calcium	34600			P
7440-47-3	Chromium	0.74	J		P
7440-48-4	Cobalt	0.60	U		P
7440-50-8	Copper	6.0	J		P
7439-89-6	Iron	683			P
7439-92-1	Lead	2.1	J		P
7439-95-4	Magnesium	4020	J		P
7439-96-5	Manganese	153			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	1.9	J		P
7440-09-7	Potassium	5510		E	P
7782-49-2	Selenium	3.0	U		P
7440-22-4	Silver	1.0	U	N	P
7440-23-5	Sodium	20100		E	P
7440-28-0	Thallium	5.4	U		P
7440-62-2	Vanadium	0.70	U		P
7440-66-6	Zinc	32.2		E	P

Color Before: COLORLESSClarity Before: CLOUDY

Texture: _____

Color After: COLORLESSClarity After: CLEAR

Artifacts: _____

Comments: _____

Metals

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

WT-02

Lab Name: Chemtech Consulting GroupContract: EA Engineering,

Lab Code: _____

Case No.: _____

SAS No.: R2789SDG No.: R2789Matrix (soil/water): WATERLab Sample ID: R2789-02Level (low/med): LOWDate Received: 6/10/03% Solids: 0.0Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	156	J		P
7440-36-0	Antimony	4.7	U		P
7440-38-2	Arsenic	2.8	U		P
7440-39-3	Barium	30.7	J		P
7440-41-7	Beryllium	0.11	J		P
7440-43-9	Cadmium	0.40	U		P
7440-70-2	Calcium	13200			P
7440-47-3	Chromium	0.74	J		P
7440-48-4	Cobalt	0.60	U		P
7440-50-8	Copper	6.1	J		P
7439-89-6	Iron	752			P
7439-92-1	Lead	2.3	J		P
7439-95-4	Magnesium	2270	J		P
7439-96-5	Manganese	47.8			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	2.0	J		P
7440-09-7	Potassium	1370	J	E	P
7782-49-2	Selenium	3.0	U		P
7440-22-4	Silver	1.0	U	N	P
7440-23-5	Sodium	18100		E	P
7440-28-0	Thallium	5.4	U		P
7440-62-2	Vanadium	0.70	U		P
7440-66-6	Zinc	33.6		E	P

Color Before: COLORLESSClarity Before: CLOUDY

Texture: _____

Color After: COLORLESSClarity After: CLEAR

Artifacts: _____

Comments: _____

Metals

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

WT-DUP01

Lab Name: Chemtech Consulting GroupContract: EA Engineering,

Lab Code: _____

Case No.: _____

SAS No.: R2789SDG No.: R2789Matrix (soil/water): WATERLab Sample ID: R2789-03Level (low/med): LOWDate Received: 6/10/03% Solids: 0.0Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	303			P
7440-36-0	Antimony	4.7	U		P
7440-38-2	Arsenic	2.8	U		P
7440-39-3	Barium	46.2	J		P
7440-41-7	Beryllium	0.12	J		P
7440-43-9	Cadmium	0.40	U		P
7440-70-2	Calcium	33700			P
7440-47-3	Chromium	0.96	J		P
7440-48-4	Cobalt	0.60	U		P
7440-50-8	Copper	5.7	J		P
7439-89-6	Iron	655			P
7439-92-1	Lead	2.5	J		P
7439-95-4	Magnesium	3820	J		P
7439-96-5	Manganese	129			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	2.4	J		P
7440-09-7	Potassium	5490		E	P
7782-49-2	Selenium	3.0	U		P
7440-22-4	Silver	1.0	U	N	P
7440-23-5	Sodium	19100		E	P
7440-28-0	Thallium	5.4	U		P
7440-62-2	Vanadium	0.70	U		P
7440-66-6	Zinc	70.2		E	P

Color Before: COLORLESSClarity Before: CLOUDY

Texture: _____

Color After: COLORLESSClarity After: CLEAR

Artifacts: _____

Comments: _____

Metals

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

WT-01

Lab Name: Chemtech Consulting GroupContract: EA Engineering,

Lab Code: _____

Case No.: _____

SAS No.: R2789SDG No.: R2789Matrix (soil/water): SOILLab Sample ID: R2789-05Level (low/med): LOWDate Received: 6/10/03% Solids: 82Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5030		*	P
7440-36-0	Antimony	1.1	U		P
7440-38-2	Arsenic	3.1			P
7440-39-3	Barium	48.2	J	N*	P
7440-41-7	Beryllium	0.25	J		P
7440-43-9	Cadmium	0.10	U		P
7440-70-2	Calcium	2430		*	P
7440-47-3	Chromium	11.5		*	P
7440-48-4	Cobalt	5.8	J		P
7440-50-8	Copper	15.1			P
7439-89-6	Iron	9690			P
7439-92-1	Lead	13.7			P
7439-95-4	Magnesium	3020			P
7439-96-5	Manganese	329			P
7439-97-6	Mercury	0.12	U		CV
7440-02-0	Nickel	9.9			P
7440-09-7	Potassium	1670		E	P
7782-49-2	Selenium	0.73	U	N	P
7440-22-4	Silver	0.24	U	N	P
7440-23-5	Sodium	86.3	U		P
7440-28-0	Thallium	1.3	U		P
7440-62-2	Vanadium	12.0	J		P
7440-66-6	Zinc	39.9			P

Color Before: BROWN

Clarity Before: _____

Texture: MEDIUMColor After: YELLOW

Clarity After: _____

Artifacts: _____

Comments: _____

Metals

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

WT-02

Lab Name: Chemtech Consulting GroupContract: EA Engineering,

Lab Code: _____

Case No.: _____

SAS No.: R2789SDG No.: R2789Matrix (soil/water): SOILLab Sample ID: R2789-06Level (low/med): LOWDate Received: 6/10/03% Solids: 57Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3900		*	P
7440-36-0	Antimony	1.6	U		P
7440-38-2	Arsenic	3.3	J		P
7440-39-3	Barium	62.1	J	N*	P
7440-41-7	Beryllium	0.97	J		P
7440-43-9	Cadmium	0.35	J		P
7440-70-2	Calcium	3590		*	P
7440-47-3	Chromium	9.1		*	P
7440-48-4	Cobalt	6.1	J		P
7440-50-8	Copper	19.7			P
7439-89-6	Iron	8960			P
7439-92-1	Lead	43.9			P
7439-95-4	Magnesium	1520	J		P
7439-96-5	Manganese	365			P
7439-97-6	Mercury	0.16	U		CV
7440-02-0	Nickel	8.6	J		P
7440-09-7	Potassium	382	J	E	P
7782-49-2	Selenium	1.0	U	N	P
7440-22-4	Silver	0.35	U	N	P
7440-23-5	Sodium	123	U		P
7440-28-0	Thallium	1.9	U		P
7440-62-2	Vanadium	14.7	J		P
7440-66-6	Zinc	78.5			P

Color Before: BROWN

Clarity Before: _____

Texture: MEDIUMColor After: YELLOW

Clarity After: _____

Artifacts: _____

Comments: _____

