Click Here to Return to Main Document

Appendix E

Certificates Of Analysis
Groundwater Samples

CHEMTECH 284 Sheffield Street • Mountainside, NJ 07092 Phone: 908.789.8900 Fax: 908.789.8922

ANALYTICAL RESULTS SUMMARY

PROJECT NAME: Peterson/Puritan Superfund site

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

A FULL SERVICE ENVIRONMENTAL LABORATORY

CHEMTECH PROJECT NO. **R2897**
ATTENTION: **Sam Whitin**

emtech Consulting Group

Volatiles

DG No.: R2897

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

mple ID:	R2897-01	Client ID:	MW-EA-1
ate Collected:	6/15/03	Date Received:	6/17/03
ate Analyzed:	6/19/03	Matrix:	WATER
File ID:	VF061817.D	Analytical Run ID:	VF061803
Dilution:	1	Instrument ID:	MSVOAF
nalytical Method:	OLC2.1	Associated Blank:	VBF0618W1
Sample Wt/Wol:	25.0 Units: mL	Soil Extract Vol:	
Soil Aliquot Vol:		% Moisture:	100

arameter	CAS Number	Concentration	C	RDL	MDL	Units
A GETS						
ichlorodifluoromethane	75-71-8	< 0.50	U	1.0	0.50	ug/L
hloromethane	74-87-3	< 0.50	U	1.0	0.50	ug/L
i l chloride	75-01-4	< 0.50	U	1.0	0.50	ug/L
romomethane	74-83-9	< 0.50	U	1.0	0.50	ug/L
h roethane	75-00-3	< 0.50	U	1.0	0.50	ug/L
i lorofluoromethane	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 ichloroethene	75-35-4	< 0.50	U	1.0	0.50	ug/L
c ne	67-64-1	< 2.5	U	5.0	2.5	ug/L
arbon disulfide	75-15-0	< 0.50	U	1.0	0.50	ug/L
e yl 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
n 1,2-Dichloroethene	156-60-5	< 0.50	U	1.0	0.50	ug/L
1-Dichloroethane	75-34-3	< 0.50	U	1.0	0.50	ug/L
yclohexane	110-82-7	< 0.50	U	1.0	0.50	ug/L
B anone	78-93-3	< 2.5	U	5.0	2.5	ug/L
rbon Tetrachloride	56-23-5	< 0.50	U	1.0	0.50	ug/L
s-1 2-Dichloroethene	156-59-2	< 0.50	U	1.0	0.50	ug/L
l oform	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
et lcyclohexane	108-87-2	< 0.50	U	1.0	0.50	ug/L
n ne	71-43-2	< 0.50	U	1.0	0.50	ug/L
2-Dichloroethane	107-06-2	< 0.50	U	1.0	0.50	ug/L
ic oroethene	79-01-6	< 0.50	U	1.0	0.50	ug/L
2- chloropropane	78-87-5	< 0.50	U	1.0	0.50	ug/L
omodichloromethane	75-27-4	< 0.50	U	1.0	0.50	ug/L
M hyl-2-Pentanone	108-10-1	< 2.5	U	5.0	2.5	ug/L
luene	108-88-3	< 0.50	U	1.0	0.50	ug/L
,3-Dichloropropene	10061-02-6	< 0.50	U	1.0	0.50	ug/L
- -Dichloropropene	10061-01-5	< 0.50	U	1.0	0.50	ug/L
,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
o nochloromethane	124-48-1	< 0.50	U	1.0	0.50	ug/L

'l emtech Consulting Group

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/Vol:	25.0 Units: mL	Soil Extract Vol:	
Soil Aliquot Vol:		% Moisture:	100

rameter	CAS Number	Concentration	C	RDL	MDL	Units
2- ibromoethane	106-93-4	< 0.50	U	1.0	0.50	ug/L
trachloroethene	127-18-4	< 0.50	U	1.0	0.50	ug/L
ll-robenzene	108-90-7	< 0.50	U	1.0	0.50	ug/L
h 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
x ene	95-47-6	< 0.50	U	1.0	0.50	ug/L
y ne	100-42-5	< 0.50	U	1.0	0.50	ug/L
omoform	75-25-2	< 0.50	U	1.0	0.50	ug/L
p pylbenzene	98-82-8	< 0.50	U	1.0	0.50	ug/L
2-Tetrachloroethane	79-34-5	< 0.50	U	1.0	0.50	ug/L
3-Dichlorobenzene	541-73-1	< 0.50	U	1.0	0.50	ug/L
4- ichlorobenzene	106-46-7	< 0.50	U	1.0	0.50	ug/L
2-Dichlorobenzene	95-50-1	< 0.50	U	1.0	0.50	ug/L
2-Dibromo-3-Chloropropane	96-12-8	< 0.50	U	1.0	0.50	ug/L
2,4 Trichlorobenzene	120-82-1	< 0.50	U	1.0	0.50	ug/L
2,3-Trichlorobenzene	87-61-6	< 0.50	U	1.0	0.50	ug/L
tal Xylenes	1330-20-7	< 1.0	U	2.0	1.0	ug/L
ROGATES						
3romofluorobenzene	460-00-4	5.53	111 %	80 - 120		SPK: 5
RNAL STANDARDS						
fluorobenzene	540-36-3	529929	12.15			
lorobenzene-d5	3114-55-4	460025	20.41			
chlorobenzene-d4	3855-82-1	349800	26.35			

Lemtech Consulting Group

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
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

rameter	CAS Number	Concentration	C	RDL	MDL	Units
GETS						
chlorodifluoromethane	75-71-8	< 0.50	U	1.0	0.50	ug/L
l omethane	74-87-3	< 0.50	U	1.0	0.50	ug/L
n chloride	75-01-4	< 0.50	U	1.0	0.50	ug/L
omomethane	74-83-9	< 0.50	U	1.0	0.50	ug/L
l oethane	75-00-3	< 0.50	U	1.0	0.50	ug/L
ic orofluoromethane	75-69-4	< 0.50	U	1.0	0.50	ug/L
,2-Trichlorotrifluoroethane	76-13-1	< 0.50	U	1.0	0.50	ug/L
- ichloroethene	75-35-4	< 0.50	U	1.0	0.50	ug/L
ne	67-64-1	< 2.5	U	5.0	2.5	ug/L
rbon disulfide	75-15-0	< 0.50	U	1.0	0.50	ug/L
l tert-butyl Ether	1634-04-4	< 0.50	U	1.0	0.50	ug/L
thyl Acetate	79-20-9	< 0.50	U	1.0	0.50	ug/L
thylene Chloride	75-09-2	< 0.50	U	2.0	0.50	ug/L
n ,2-Dichloroethene	156-60-5	< 0.50	U	1.0	0.50	ug/L
-Dichloroethane	75-34-3	< 0.50	U	1.0	0.50	ug/L
clohexane	110-82-7	< 0.50	U	1.0	0.50	ug/L
3 anone	78-93-3	< 2.5	U	5.0	2.5	ug/L
rbon Tetrachloride	56-23-5	< 0.50	U	1.0	0.50	ug/L
- 2-Dichloroethene	156-59-2	< 0.50	U	1.0	0.50	ug/L
lo form	67-66-3	< 0.50	U	1.0	0.50	ug/L
,1-Trichloroethane	71-55-6	< 0.50	U	1.0	0.50	ug/L
t lcyclohexane	108-87-2	< 0.50	U	1.0	0.50	ug/L
ne	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
oroethene	79-01-6	< 0.50	U	1.0	0.50	ug/L
-Dichloropropane	78-87-5	< 0.50	U	1.0	0.50	ug/L
modichloromethane	75-27-4	< 0.50	U	1.0	0.50	ug/L
l yl-2-Pentanone	108-10-1	< 2.5	U	5.0	2.5	ug/L
ene	108-88-3	< 0.50	U	1.0	0.50	ug/L
3-Dichloropropene	10061-02-6	< 0.50	U	1.0	0.50	ug/L
l -Dichloropropene	10061-01-5	< 0.50	U	1.0	0.50	ug/L
2-Trichloroethane	79-00-5	< 0.50	U	1.0	0.50	ug/L
one	591-78-6	< 2.5	U	5.0	2.5	ug/L
nochloromethane	124-48-1	< 0.50	U	1.0	0.50	ug/L

h mtech Consulting Group

Volatiles

SDG 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
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

rameter	CAS Number	Concentration	C	RDL	MDL	Units
bromoethane	106-93-4	< 0.50	U	1.0	0.50	ug/L
trachloroethene	127-18-4	< 0.50	U	1.0	0.50	ug/L
lorobenzene	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
ne	95-47-6	< 0.50	U	1.0	0.50	ug/L
e	100-42-5	< 0.50	U	1.0	0.50	ug/L
omoform	75-25-2	< 0.50	U	1.0	0.50	ug/L
pylbenzene	98-82-8	< 0.50	U	1.0	0.50	ug/L
-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
chlorobenzene	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
richlorobenzene	120-82-1	< 0.50	U	1.0	0.50	ug/L
richlorobenzene	87-61-6	< 0.50	U	1.0	0.50	ug/L
tal Xylenes	1330-20-7	< 1.0	U	2.0	1.0	ug/L
OGATES						
romofluorobenzene	460-00-4	5.72	114 %	80 - 120		SPK: 5
RNAL STANDARDS						
fluorobenzene	540-36-3	572993	12.16			
lorobenzene-d5	3114-55-4	490988	20.42			
chlorobenzene-d4	3855-82-1	369362	26.36			

h mtech Consulting Group

Volatiles

DG 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
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

rameter	CAS Number	Concentration	C	RDL	MDL	Units
GETS						
chlorodifluoromethane	75-71-8	< 0.50	U	1.0	0.50	ug/L
omethane	74-87-3	< 0.50	U	1.0	0.50	ug/L
chloride	75-01-4	< 0.50	U	1.0	0.50	ug/L
omomethane	74-83-9	< 0.50	U	1.0	0.50	ug/L
oethane	75-00-3	< 0.50	U	1.0	0.50	ug/L
orofluoromethane	75-69-4	< 0.50	U	1.0	0.50	ug/L
,2-Trichlorotrifluoroethane	76-13-1	< 0.50	U	1.0	0.50	ug/L
chloroethene	75-35-4	< 0.50	U	1.0	0.50	ug/L
ne	67-64-1	10		5.0	2.5	ug/L
rbon disulfide	75-15-0	< 0.50	U	1.0	0.50	ug/L
l tert-butyl Ether	1634-04-4	0.79	J	1.0	0.50	ug/L
yl Acetate	79-20-9	< 0.50	U	1.0	0.50	ug/L
thylene Chloride	75-09-2	< 0.50	U	2.0	0.50	ug/L
,2-Dichloroethene	156-60-5	< 0.50	U	1.0	0.50	ug/L
-Dichloroethane	75-34-3	< 0.50	U	1.0	0.50	ug/L
clohexane	110-82-7	< 0.50	U	1.0	0.50	ug/L
none	78-93-3	< 2.5	U	5.0	2.5	ug/L
bon Tetrachloride	56-23-5	< 0.50	U	1.0	0.50	ug/L
-Dichloroethene	156-59-2	< 0.50	U	1.0	0.50	ug/L
form	67-66-3	< 0.50	U	1.0	0.50	ug/L
,1-Trichloroethane	71-55-6	< 0.50	U	1.0	0.50	ug/L
lcyclohexane	108-87-2	< 0.50	U	1.0	0.50	ug/L
ne	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
roethene	79-01-6	< 0.50	U	1.0	0.50	ug/L
chloropropane	78-87-5	< 0.50	U	1.0	0.50	ug/L
modichloromethane	75-27-4	< 0.50	U	1.0	0.50	ug/L
yl-2-Pentanone	108-10-1	< 2.5	U	5.0	2.5	ug/L
ene	108-88-3	0.52	J	1.0	0.50	ug/L
-Dichloropropene	10061-02-6	< 0.50	U	1.0	0.50	ug/L
-Dichloropropene	10061-01-5	< 0.50	U	1.0	0.50	ug/L
-Trichloroethane	79-00-5	< 0.50	U	1.0	0.50	ug/L
none	591-78-6	< 2.5	U	5.0	2.5	ug/L
ochloromethane	124-48-1	< 0.50	U	1.0	0.50	ug/L

ı ntech Consulting Group

Volatiles

SDG No.: R2897

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

Sample ID:	R2897-03	Client ID:	MW-EA-3
D e Collected:	6/15/03	Date Received:	6/17/03
Date Analyzed:	6/19/03	Matrix:	WATER
File ID:	VF061819.D	Analytical Run ID:	VF061803
D ation:	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

·ameter	CAS Number	Concentration	C	RDL	MDL	Units
-1 bromoethane	106-93-4	< 0.50	U	1.0	0.50	ug/L
rachloroethene	127-18-4	< 0.50	U	1.0	0.50	ug/L
lo benzene	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
ep-xylenes	136777-61-2	< 0.50	U	1.0	0.50	ug/L
y ne	95-47-6	< 0.50	U	1.0	0.50	ug/L
re	100-42-5	< 0.50	U	1.0	0.50	ug/L
omoform	75-25-2	< 0.50	U	1.0	0.50	ug/L
p pylbenzene	98-82-8	< 0.50	U	1.0	0.50	ug/L
,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
-1 chlorobenzene	106-46-7	< 0.50	U	1.0	0.50	ug/L
-Dichlorobenzene	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
,5-Trichlorobenzene	87-61-6	< 0.50	U	1.0	0.50	ug/L
al Xylenes	1330-20-7	< 1.0	U	2.0	1.0	ug/L
OGATES						
romofluorobenzene	460-00-4	6.02	120 %	80 - 120		SPK: 5
RNAL STANDARDS						
-fluorobenzene	540-36-3	532894	12.16			
orobenzene-d5	3114-55-4	458671	20.42			
-1 chlorobenzene-d4	3855-82-1	352988	26.36			

'l emtech Consulting Group

Volatiles

OG No.: R2897

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

mple ID:	R2897-04	Client ID:	MW-EA-4
te Collected:	6/15/03	Date Received:	6/17/03
te Analyzed:	6/19/03	Matrix:	WATER
File ID:	VF061820.D	Analytical Run ID:	VF061803
Dilution:	1	Instrument ID:	MSVOAF
alytical Method:	OLC2.1	Associated Blank:	VBF0618WI
Sample Wt/Wol:	25.0 Units: mL	Soil Extract Vol:	
Soil Aliquot Vol:		% Moisture:	100

rameter	CAS Number	Concentration	C	RDL	MDL	Units
GETS						
chlorodifluoromethane	75-71-8	< 0.50	U	1.0	0.50	ug/L
omethane	74-87-3	< 0.50	U	1.0	0.50	ug/L
n chloride	75-01-4	< 0.50	U	1.0	0.50	ug/L
omomethane	74-83-9	< 0.50	U	1.0	0.50	ug/L
l oethane	75-00-3	< 0.50	U	1.0	0.50	ug/L
orofluoromethane	75-69-4	< 0.50	U	1.0	0.50	ug/L
,2-Trichlorotrifluoroethane	76-13-1	< 0.50	U	1.0	0.50	ug/L
chloroethene	75-35-4	< 0.50	U	1.0	0.50	ug/L
e	67-64-1	< 2.5	U	5.0	2.5	ug/L
rbon disulfide	75-15-0	< 0.50	U	1.0	0.50	ug/L
t l tert-butyl Ether	1634-04-4	< 0.50	U	1.0	0.50	ug/L
yl Acetate	79-20-9	< 0.50	U	1.0	0.50	ug/L
thylene Chloride	75-09-2	< 0.50	U	2.0	0.50	ug/L
,2-Dichloroethene	156-60-5	< 0.50	U	1.0	0.50	ug/L
-Dichloroethane	75-34-3	< 0.50	U	1.0	0.50	ug/L
clohexane	110-82-7	< 0.50	U	1.0	0.50	ug/L
none	78-93-3	< 2.5	U	5.0	2.5	ug/L
bon Tetrachloride	56-23-5	< 0.50	U	1.0	0.50	ug/L
2-Dichloroethene	156-59-2	< 0.50	U	1.0	0.50	ug/L
form	67-66-3	< 0.50	U	1.0	0.50	ug/L
1-Trichloroethane	71-55-6	< 0.50	U	1.0	0.50	ug/L
lcyclohexane	108-87-2	< 0.50	U	1.0	0.50	ug/L
e	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
l roethene	79-01-6	< 0.50	U	1.0	0.50	ug/L
chloropropane	78-87-5	< 0.50	U	1.0	0.50	ug/L
nodichloromethane	75-27-4	< 0.50	U	1.0	0.50	ug/L
yl-2-Pentanone	108-10-1	< 2.5	U	5.0	2.5	ug/L
ene	108-88-3	< 0.50	U	1.0	0.50	ug/L
-Dichloropropene	10061-02-6	< 0.50	U	1.0	0.50	ug/L
Dichloropropene	10061-01-5	< 0.50	U	1.0	0.50	ug/L
-Trichloroethane	79-00-5	< 0.50	U	1.0	0.50	ug/L
none	591-78-6	< 2.5	U	5.0	2.5	ug/L
ochloromethane	124-48-1	< 0.50	U	1.0	0.50	ug/L

h mtech Consulting Group

Volatiles

SDG 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
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

rameter	CAS Number	Concentration	C	RDL	MDL	Units
bromoethane	106-93-4	< 0.50	U	1.0	0.50	ug/L
trachloroethene	127-18-4	< 0.50	U	1.0	0.50	ug/L
lobenzene	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
ne	95-47-6	< 0.50	U	1.0	0.50	ug/L
e	100-42-5	< 0.50	U	1.0	0.50	ug/L
omoform	75-25-2	< 0.50	U	1.0	0.50	ug/L
pylbenzene	98-82-8	< 0.50	U	1.0	0.50	ug/L
-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
-Dichlorobenzene	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
,3-Trichlorobenzene	87-61-6	< 0.50	U	1.0	0.50	ug/L
tal Xylenes	1330-20-7	< 1.0	U	2.0	1.0	ug/L
OGATES						
Bromofluorobenzene	460-00-4	5.96	119 %	80 - 120		SPK: 5
RNAL STANDARDS						
-fluorobenzene	540-36-3	517622	12.16			
lorobenzene-d5	3114-55-4	452224	20.42			
chlorobenzene-d4	3855-82-1	346870	26.35			

:e ttech Consulting Group

Volatiles

SDG No.: R2897

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

ample 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:	VBF0618W1
Sample Wt/Vol:	25.0 Units: mL	Soil Extract Vol:	
Soil Aliquot Vol:		% Moisture:	100

ameter	CAS Number	Concentration	C	RDL	MDL	Units
RETS						
hlorodifluoromethane	75-71-8	< 0.50	U	1.0	0.50	ug/L
o nethane	74-87-3	< 0.50	U	1.0	0.50	ug/L
yhloride	75-01-4	< 0.50	U	1.0	0.50	ug/L
momethane	74-83-9	< 0.50	U	1.0	0.50	ug/L
o ethane	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
,2-Trichlorotrifluoroethane	76-13-1	< 0.50	U	1.0	0.50	ug/L
-I hloroethene	75-35-4	< 0.50	U	1.0	0.50	ug/L
etone	67-64-1	< 2.5	U	5.0	2.5	ug/L
bon disulfide	75-15-0	< 0.50	U	1.0	0.50	ug/L
th tert-butyl Ether	1634-04-4	< 0.50	U	1.0	0.50	ug/L
thyl Acetate	79-20-9	< 0.50	U	1.0	0.50	ug/L
thylene Chloride	75-09-2	< 0.50	U	2.0	0.50	ug/L
is ,2-Dichloroethene	156-60-5	< 0.50	U	1.0	0.50	ug/L
-Dichloroethane	75-34-3	< 0.50	U	1.0	0.50	ug/L
l exane	110-82-7	< 0.50	U	1.0	0.50	ug/L
none	78-93-3	< 2.5	U	5.0	2.5	ug/L
bon Tetrachloride	56-23-5	< 0.50	U	1.0	0.50	ug/L
1 -Dichloroethene	156-59-2	< 0.50	U	1.0	0.50	ug/L
form	67-66-3	< 0.50	U	1.0	0.50	ug/L
1-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
zene	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
roethene	79-01-6	< 0.50	U	1.0	0.50	ug/L
Dichloropropane	78-87-5	< 0.50	U	1.0	0.50	ug/L
modichloromethane	75-27-4	< 0.50	U	1.0	0.50	ug/L
yl-2-Pentanone	108-10-1	< 2.5	U	5.0	2.5	ug/L
ene	108-88-3	< 0.50	U	1.0	0.50	ug/L
Dichloropropene	10061-02-6	< 0.50	U	1.0	0.50	ug/L
-Dichloropropene	10061-01-5	< 0.50	U	1.0	0.50	ug/L
2-Trichloroethane	79-00-5	< 0.50	U	1.0	0.50	ug/L
none	591-78-6	< 2.5	U	5.0	2.5	ug/L
hochloromethane	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:	VBF0618W1
Sample Wt/Vol:	25.0 Units: mL	Soil Extract Vol:	
Soil Aliquot Vol:		% Moisture:	100

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
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
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
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
Total Xylenes	1330-20-7	< 1.0	U	2.0	1.0	ug/L
SURROGATES						
4-Bromofluorobenzene	460-00-4	5.97	119 %	80 - 120		SPK: 5
INTERNAL STANDARDS						
1,4-Difluorobenzene	540-36-3	491188	12.16			
Chlorobenzene-d5	3114-55-4	431896	20.42			
1,4-Dichlorobenzene-d4	3855-82-1	321305	26.36			

emtech Consulting Group

Volatiles

DG No.: R2897

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

mple ID:	R2897-06	Client ID:	TRIPBLANK
ate Collected:	6/15/03	Date Received:	6/17/03
ate Analyzed:	6/18/03	Matrix:	WATER
File ID:	VF061813.D	Analytical Run ID:	VF061803
Dilution:	1	Instrument ID:	MSVOAF
alytical Method:	OLC2.1	Associated Blank:	VBF0618W1
Sample Wt/Vol:	25.0 Units: mL	Soil Extract Vol:	
Soil Aliquot Vol:		% Moisture:	100

arameter	CAS Number	Concentration	C	RDL	MDL	Units
A GETS						
ichlorodifluoromethane	75-71-8	< 0.50	U	1.0	0.50	ug/L
hloromethane	74-87-3	< 0.50	U	1.0	0.50	ug/L
ir chloride	75-01-4	< 0.50	U	1.0	0.50	ug/L
romomethane	74-83-9	< 0.50	U	1.0	0.50	ug/L
al oethane	75-00-3	< 0.50	U	1.0	0.50	ug/L
ilorofluoromethane	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 ichloroethene	75-35-4	< 0.50	U	1.0	0.50	ug/L
ne	67-64-1	< 2.5	U	5.0	2.5	ug/L
rbon disulfide	75-15-0	< 0.50	U	1.0	0.50	ug/L
e 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
n 1,2-Dichloroethene	156-60-5	< 0.50	U	1.0	0.50	ug/L
1-Dichloroethane	75-34-3	< 0.50	U	1.0	0.50	ug/L
clohexane	110-82-7	< 0.50	U	1.0	0.50	ug/L
3 anone	78-93-3	< 2.5	U	5.0	2.5	ug/L
rbon 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
l form	67-66-3	< 0.50	U	1.0	0.50	ug/L
,1-Trichloroethane	71-55-6	< 0.50	U	1.0	0.50	ug/L
t lcyclohexane	108-87-2	< 0.50	U	1.0	0.50	ug/L
ne	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
c oroethene	79-01-6	< 0.50	U	1.0	0.50	ug/L
-chloropropane	78-87-5	< 0.50	U	1.0	0.50	ug/L
omodichloromethane	75-27-4	< 0.50	U	1.0	0.50	ug/L
l yl-2-Pentanone	108-10-1	< 2.5	U	5.0	2.5	ug/L
uene	108-88-3	< 0.50	U	1.0	0.50	ug/L
3-Dichloropropene	10061-02-6	< 0.50	U	1.0	0.50	ug/L
1 Dichloropropene	10061-01-5	< 0.50	U	1.0	0.50	ug/L
2-Trichloroethane	79-00-5	< 0.50	U	1.0	0.50	ug/L
e none	591-78-6	< 2.5	U	5.0	2.5	ug/L
r nochloromethane	124-48-1	< 0.50	U	1.0	0.50	ug/L

l emtech Consulting Group

Volatiles

)G No.: R2897

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

mple ID:	R2897-06	Client ID:	TRIPBLANK
te Collected:	6/15/03	Date Received:	6/17/03
te Analyzed:	6/18/03	Matrix:	WATER
File ID:	VF061813.D	Analytical Run ID:	VF061803
Dilution:	1	Instrument ID:	MSVOAF
alytical Method:	OLC2.1	Associated Blank:	VBF0618W1
mple Wt/Wol:	25.0 Units: mL	Soil Extract Vol:	
Soil Aliquot Vol:		% Moisture:	100

rameter	CAS Number	Concentration	C	RDL	MDL	Units
ibromoethane	106-93-4	< 0.50	U	1.0	0.50	ug/L
trachloroethene	127-18-4	< 0.50	U	1.0	0.50	ug/L
lorobenzene	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
ylene	95-47-6	< 0.50	U	1.0	0.50	ug/L
ne	100-42-5	< 0.50	U	1.0	0.50	ug/L
omoform	75-25-2	< 0.50	U	1.0	0.50	ug/L
pylbenzene	98-82-8	< 0.50	U	1.0	0.50	ug/L
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
ichlorobenzene	106-46-7	< 0.50	U	1.0	0.50	ug/L
ichlorobenzene	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
tal Xylenes	1330-20-7	< 1.0	U	2.0	1.0	ug/L
OGATES						
romofluorobenzene	460-00-4	5.79	116 %	80 - 120		SPK: 5
RNAL STANDARDS						
fluorobenzene	540-36-3	566696	12.19			
lorobenzene-d5	3114-55-4	494128	20.44			
chlorobenzene-d4	3855-82-1	361760	26.37			

Chemtech

Hit Summary Report

OG 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							
2897-03	MW-EA-3	WATER	Acetone	10		5.0	2.5	ug/L
2897-03	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				

e The asterisk "*" flag next to a parameter signifies a TIC parameter.

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:

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MW-EA-2

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: R2897-02

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	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: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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

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	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:

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MW-EA-4

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: R2897-04

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	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: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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:

Click Here to Return to Main Document

Appendix F

Certificates of Analysis
Surface Water Samples

Click Here to Return to Main Document

Appendix G

Certificates of Analysis
Sediment Samples

CHEMTECH 284 Sheffield Street • Mountainside, NJ 07092 Phone: 908.789.8900 Fax: 908.789.8922

ANALYTICAL RESULTS SUMMARY

PROJECT NAME: PETERSON/PURITAN SUPERFUND SITE
PROJECT # 61776.01

A FULL SERVICE ENVIRONMENTAL LABORATORY

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

CHEMTECH PROJECT # R2789
ATTENTION: TIM REGAN

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WT-01-S

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: R2789-05

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: ~~RTX624~~ RTX502.2 ID: ~~0.53~~ 0.18 (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	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-Trichlorotrifluoroethan	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

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WT-01-S

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: R2789-05

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: ~~RTX624~~ RTX 502.2 ID: ~~0.53~~ 0.18 (mm) Dilution Factor: 1.0

CRO 6/23/03

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 100 (uL)

CAS No.	Compound	CONCENTRATION UNITS: (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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WT-01-S

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: R2789-05

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

Soil Extract Volume: 25000 Soil Aliquot Volume: 100

Number TICS found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	RT	EST. CONC.	Q

Comments:

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WT-02-S

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: R2789-06

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~~ RTX502.2 ID: ~~0.53~~ 0.18 (mm) CRO 6/23/03 Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 100 (uL)

CAS No.	Compound	CONCENTRATION UNITS: (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-Trichlorotrifluoroethan	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

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WT-02-S

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: R2789-06

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

RTX 502.2 0.18 6/25/03

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

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 100 (uL)

CAS No.	Compound	CONCENTRATION UNITS: (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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WT-02-S

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: R2789-06

Sample wt/vol: 7.4 (g/mL g Lab File ID: VIO61311.D

Level (low/med): MED Date Received: 6/10/03

% Moisture: not dec. 43 CLC 6/23/03 Date Analyzed: 6/13/03

GC Column: RTX 502.2 ID: 0.18 mm Dilution Factor: 1.0

Soil Extract Volume: 25000 Soil Aliquot Volume: 100

Number TICS found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	RT	EST. CONC.	Q

Comments:

1A

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: ~~RTX624~~ RTX 502.2 ID: ~~0.53~~ 0.18 (mm) Dilution Factor: 1.0

Gel 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-Trichlorotrifluoroethan	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

1A

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: ~~RTX624~~ RTX502.2 ID: ~~0.53~~ 0.18 (mm) CPC 6/23/03 Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 100 (uL)

CAS No.	Compound	CONCENTRATION UNITS: (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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

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: VIO61306.D

Level (low/med): MED Date Received: 6/10/03

% Moisture: not dec. 0 CEC 6/23/03 Date Analyzed: 6/13/03

GC Column: RTX502.2 ID: 0.18 mm Dilution Factor: 1.0

Soil Extract Volume: 25000 Soil Aliquot Volume: 100

Number TICS found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	RT	EST. CONC.	Q

Comments:

Chemtech Consulting Group

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
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
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	< 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
cis-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
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
1,2-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
Bromodichloromethane	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-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
2-Hexanone	591-78-6	< 2.5	U	5.0	2.5	ug/L

Chemtech Consulting Group

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
Bromochloromethane	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
Chlorobenzene	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
Total Xylenes	1330-20-7	< 1.0	U	2.0	1.0	ug/L
SURROGATES						
4-Bromofluorobenzene	460-00-4	5.46	109 %	80 - 120		SPK: 5
INTERNAL STANDARDS						
1,4-Difluorobenzene	540-36-3	497316	12.16			
Chlorobenzene-d5	3114-55-4	448057	20.43			
1,4-Dichlorobenzene-d4	3855-82-1	336446	26.37			

Chemtech Consulting Group

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/Vol:	25.0 Units: mL	Soil Extract Vol:	
Soil Aliquot Vol:		% Moisture:	100

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
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	< 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	1.1	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
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
1,2-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
Bromodichloromethane	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-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
2-Hexanone	591-78-6	< 2.5	U	5.0	2.5	ug/L

Chemtech Consulting Group

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
Bromochloromethane	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
Chlorobenzene	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
Total Xylenes	1330-20-7	< 1.0	U	2.0	1.0	ug/L
SURROGATES						
4-Bromofluorobenzene	460-00-4	5.14	103 %	80 - 120		SPK: 5
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			

emtech Consulting Group

Volatiles

SDG No.: R2789

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

ample ID:	R2789-03	Client ID:	WT-DUP01
Date Collected:	6/9/03	Date Received:	6/10/03
ate Analyzed:	6/19/03	Matrix:	WATER
File ID:	VF061816.D	Analytical Run ID:	VF061803
Dilution:	1	Instrument ID:	MSVOAF
nalytical Method:	OLC2.1	Associated Blank:	VBF0618WI
Sample Wt/Wol:	25.0 Units: mL	Soil Extract Vol:	
Soil Aliquot Vol:		% Moisture:	100

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
RGETS						
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
l 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
,1,2-Trichlorotrifluoroethane	76-13-1	< 0.50	U	1.0	0.50	ug/L
Dichloroethene	75-35-4	< 0.50	U	1.0	0.50	ug/L
one	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
yl tert-butyl Ether	1634-04-4	< 0.50	U	1.0	0.50	ug/L
yl 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
-1,2-Dichloroethene	156-60-5	< 0.50	U	1.0	0.50	ug/L
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
tanone	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
is-1,2-Dichloroethene	156-59-2	< 0.50	U	1.0	0.50	ug/L
nochloromethane	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
-Trichloroethane	71-55-6	< 0.50	U	1.0	0.50	ug/L
ylcyclohexane	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
hloroethene	79-01-6	< 0.50	U	1.0	0.50	ug/L
,2-Dichloropropane	78-87-5	< 0.50	U	1.0	0.50	ug/L
nodichloromethane	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
-Dichloropropene	10061-02-6	< 0.50	U	1.0	0.50	ug/L
is-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
exanone	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/Vol:	25.0 Units: mL	Soil Extract Vol:	
Soil Aliquot Vol:		% Moisture:	100

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
Bromochloromethane	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
Chlorobenzene	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
1,2-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
1,2,4-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
Total Xylenes	1330-20-7	< 1.0	U	2.0	1.0	ug/L
SURROGATES						
4-Bromofluorobenzene	460-00-4	5.59	112 %	80 - 120		SPK: 5
INTERNAL STANDARDS						
1,4-Difluorobenzene	540-36-3	490031	12.20			
Chlorobenzene-d5	3114-55-4	428159	20.46			
1,4-Dichlorobenzene-d4	3855-82-1	318920	26.37			

Chemtech Consulting Group

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/Vol: 25.0 Units: mL | Soil Extract Vol:
Soil Aliquot Vol: | % Moisture: 100

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
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
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
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
1,2-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
Bromodichloromethane	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-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
2-Hexanone	591-78-6	< 2.5	U	5.0	2.5	ug/L

Chemtech Consulting Group

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/Vol:	25.0 Units: mL	Soil Extract Vol:	
Soil Aliquot Vol:		% Moisture:	100

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
Bromochloromethane	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
Chlorobenzene	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
1,2-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
1,2,4-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-Xylenes	1330-20-7	< 1.0	U	2.0	1.0	ug/L
SURROGATES						
4-Bromofluorobenzene	460-00-4	5.75	115 %	80 - 120		SPK: 5
INTERNAL STANDARDS						
1,4-Difluorobenzene	540-36-3	444471	12.15			
Chlorobenzene-d5	3114-55-4	422046	20.43			
1,4-Dichlorobenzene-d4	3855-82-1	306211	26.36			

emtech Consulting Group

SVOC

DG No.: R2789-01

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

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

ar meter	CAS Number	Concentration	C	RDL	MDL	Units
ARGETS						
a thalene	91-20-3	< 1.2	U	0.100	1.2	ug/L
thylnaphthalene	91-57-6	< 1.2	U	0.100	1.2	ug/L
cenaphthylene	208-96-8	< 1.2	U	0.100	1.2	ug/L
c aphthene	83-32-9	< 1.0	U	0.100	1.0	ug/L
ene	86-73-7	< 1.1	U	0.100	1.1	ug/L
enanthrene	85-01-8	< 1.0	U	0.100	1.0	ug/L
n acene	120-12-7	< 1.3	U	0.100	1.3	ug/L
anthene	206-44-0	< 1.0	U	0.100	1.0	ug/L
rene	129-00-0	< 1.0	U	0.100	1.0	ug/L
e o(a)anthracene	56-55-3	< 1.0	U	0.100	1.0	ug/L
hrysene	218-01-9	< 1.6	U	0.100	1.6	ug/L
enzo(b)fluoranthene	205-99-2	< 1.0	U	0.100	1.0	ug/L
e o(k)fluoranthene	207-08-9	< 2.6	U	0.100	2.6	ug/L
enzo(a)pyrene	50-32-8	< 1.5	U	0.100	1.5	ug/L
deno(1,2,3-cd)pyrene	193-39-5	< 1.6	U	0.100	1.6	ug/L
it z(a,h)anthracene	53-70-3	< 1.5	U	0.100	1.5	ug/L
enzo(g,h,i)perylene	191-24-2	< 1.3	U	0.100	1.3	ug/L
J ROGATES						
Fluorophenol	367-12-4	115.65	38 %	21 - 100		SPK: 150
enol-d5	13127-88-3	121.13	40 %	10 - 94		SPK: 150
it benzene-d5	4165-60-0	104.16	52 %	35 - 114		SPK: 100
Fluorobiphenyl	321-60-8	80.89	40 %	43 - 116		SPK: 100
4 Tribromophenol	118-79-6	163.03	54 %	10 - 123		SPK: 150
enyl-d14	1718-51-0	99.46	49 %	33 - 141		SPK: 100
TERNAL STANDARDS						
4 ichlorobenzene-d4	3855-82-1	279297	5.43			
aphthalene-d8	1146-65-2	485646	7.64			
c aphthene-d10	15067-26-2	336082	11.02			
anthrene-d10	1517-22-2	524393	13.92			
rysene-d12	1719-03-5	603022	19.23			

SVOC

SDG 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/Vol:	610.0	Extract Vol:	610
Injection Vol:	2	% Moisture:	100
Associated Blank:	PB061503-01B		

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

SVOC

DG No.: R2789-01

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

ample ID:	R2789-02	Client ID:	WT-02-W
ate Collected:	6/9/03	Date Received:	6/10/03
ate Analyzed:	6/19/03	Matrix:	WATER
Date Extracted:	6/15/03	File ID:	BB010121.D
Dilution:	1	Instrument ID:	BNAB
nalytical Method:	8270	Analytical Run ID:	BB061903
Sample Wt/Vol:	940.0	Extract Vol:	1000
Injection Vol:	2	% Moisture:	100
ssociated Blank:	PB061503-01B		

a meter	CAS Number	Concentration	C	RDL	MDL	Units
ARGETS						
la thalene	91-20-3	< 1.3	U	0.110	1.3	ug/L
-l thylnaphthalene	91-57-6	< 1.3	U	0.110	1.3	ug/L
cenaphthylene	208-96-8	< 1.3	U	0.110	1.3	ug/L
c aphthene	83-32-9	< 1.1	U	0.110	1.1	ug/L
lu rene	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
lu anthene	206-44-0	< 1.1	U	0.110	1.1	ug/L
yrene	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
d no(1,2,3-cd)pyrene	193-39-5	< 1.7	U	0.110	1.7	ug/L
il nz(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						
-Fluorophenol	367-12-4	76.59	51 %	21 - 100		SPK: 150
he ol-d5	13127-88-3	96.57	64 %	10 - 94		SPK: 150
li benzene-d5	4165-60-0	63.12	63 %	35 - 114		SPK: 100
-Fluorobiphenyl	321-60-8	58.91	59 %	43 - 116		SPK: 100
,4 -Tribromophenol	118-79-6	103.83	69 %	10 - 123		SPK: 150
e henyl-d14	1718-51-0	78.86	79 %	33 - 141		SPK: 100
NTERNAL STANDARDS						
,4 Dichlorobenzene-d4	3855-82-1	233697	5.45			
aphthalene-d8	1146-65-2	411427	7.68			
c aphthene-d10	15067-26-2	264352	11.07			
h anthrene-d10	1517-22-2	418275	13.98			
hrysene-d12	1719-03-5	365956	19.27			

SVOC

DG No.: R2789-01

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

ample ID:	R2789-02	Client ID:	WT-02-W
ate Collected:	6/9/03	Date Received:	6/10/03
ate Analyzed:	6/19/03	Matrix:	WATER
Date Extracted:	6/15/03	File ID:	BB010121.D
ilution:	1	Instrument ID:	BNAB
alytical Method:	8270	Analytical Run ID:	BB061903
ample Wt/Wol:	940.0	Extract Vol:	1000
Injection Vol:	2	% Moisture:	100
sociated Blank:	PB061503-01B		

ar meter	CAS Number	Concentration	C	RDL	MDL	Units
TERNAL STANDARDS						
er ene-d12	1520-96-3	245701	22.02			

SVOC

SDG No.: R2789-01

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

ample ID:	R2789-02RE	Client ID:	WT-02-WRE
ate Collected:	6/9/03	Date Received:	6/10/03
ate Analyzed:	6/20/03	Matrix:	WATER
Date Extracted:	6/15/03	File ID:	BB010138.D
Dilution:	1	Instrument ID:	BNAB
nalytical Method:	8270	Analytical Run ID:	BB061903
Sample Wt/Vol:	940.0	Extract Vol:	1000
Injection Vol:	2	% Moisture:	100
ssociated Blank:	PB061503-01B		

ameter	CAS Number	Concentration	C	RDL	MDL	Units
ARGETS						
a thalene	91-20-3	< 1.3	U	0.110	1.3	ug/L
-M ethylnaphthalene	91-57-6	< 1.3	U	0.110	1.3	ug/L
cenaphthylene	208-96-8	< 1.3	U	0.110	1.3	ug/L
c aphthene	83-32-9	< 1.1	U	0.110	1.1	ug/L
lu rene	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
lu ranthene	206-44-0	< 1.1	U	0.110	1.1	ug/L
yrene	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
il nz(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						
-Fluorophenol	367-12-4	78.42	52 %	21 - 100		SPK: 150
henol-d5	13127-88-3	93.01	62 %	10 - 94		SPK: 150
il benzene-d5	4165-60-0	63.41	63 %	35 - 114		SPK: 100
-Fluorobiphenyl	321-60-8	58.22	58 %	43 - 116		SPK: 100
,4 -Tribromophenol	118-79-6	114.8	76 %	10 - 123		SPK: 150
e henyl-d14	1718-51-0	67.47	67 %	33 - 141		SPK: 100
NTERNAL STANDARDS						
4 Dichlorobenzene-d4	3855-82-1	305845	5.41			
aphthalene-d8	1146-65-2	505176	7.65			
c aphthene-d10	15067-26-2	342160	11.01			
h anthrene-d10	1517-22-2	533393	13.93			
hrysene-d12	1719-03-5	641523	19.21			

SVOC

DG No.: R2789-01

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

ample ID:	R2789-02RE	Client ID:	WT-02-WRE
ate Collected:	6/9/03	Date Received:	6/10/03
ate Analyzed:	6/20/03	Matrix:	WATER
Date Extracted:	6/15/03	File ID:	BB010138.D
Dilution:	1	Instrument ID:	BNAB
nalytical Method:	8270	Analytical Run ID:	BB061903
Sample Wt/Vol:	940.0	Extract Vol:	1000
Injection Vol:	2	% Moisture:	100
ssociated Blank:	PB061503-01B		

a meter	CAS Number	Concentration	C	RDL	MDL	Units
NTERNAL STANDARDS						
er lene-d12	1520-96-3	352888	21.97			

emtech Consulting Group

SVOC

DG No.: R2789-01

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

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

ar meter	CAS Number	Concentration	C	RDL	MDL	Units
ARGETS						
ap thalene	91-20-3	< 1.2	U	0.100	1.2	ug/L
thylnaphthalene	91-57-6	< 1.2	U	0.100	1.2	ug/L
cenaphthylene	208-96-8	< 1.2	U	0.100	1.2	ug/L
c aphthene	83-32-9	< 1.0	U	0.100	1.0	ug/L
ene	86-73-7	< 1.1	U	0.100	1.1	ug/L
enanthrene	85-01-8	< 1.0	U	0.100	1.0	ug/L
nt acene	120-12-7	< 1.3	U	0.100	1.3	ug/L
anthene	206-44-0	< 1.0	U	0.100	1.0	ug/L
rene	129-00-0	< 1.0	U	0.100	1.0	ug/L
r (a)anthracene	56-55-3	< 1.0	U	0.100	1.0	ug/L
rysene	218-01-9	< 1.6	U	0.100	1.6	ug/L
enzo(b)fluoranthene	205-99-2	< 1.0	U	0.100	1.0	ug/L
r (k)fluoranthene	207-08-9	< 2.6	U	0.100	2.6	ug/L
enzo(a)pyrene	50-32-8	< 1.5	U	0.100	1.5	ug/L
dero(1,2,3-cd)pyrene	193-39-5	< 1.6	U	0.100	1.6	ug/L
b z(a,h)anthracene	53-70-3	< 1.5	U	0.100	1.5	ug/L
enzo(g,h,i)perylene	191-24-2	< 1.3	U	0.100	1.3	ug/L
ROGATES						
Fluorophenol	367-12-4	126.19	84 %	21 - 100		SPK: 150
enol-d5	13127-88-3	127.03	85 %	10 - 94		SPK: 150
tr enzene-d5	4165-60-0	107.54	108 %	35 - 114		SPK: 100
Fluorobiphenyl	321-60-8	98.56	99 %	43 - 116		SPK: 100
,6 Tribromophenol	118-79-6	205.49	137 %	10 - 123		SPK: 150
enyl-d14	1718-51-0	111.42	111 %	33 - 141		SPK: 100
TERNAL STANDARDS						
l- ichlorobenzene-d4	3855-82-1	343337	5.43			
phthalene-d8	1146-65-2	582468	7.64			
e phthene-d10	15067-26-2	397917	11.02			
e nthrene-d10	1517-22-2	647503	13.94			
rysene-d12	1719-03-5	718028	19.24			

SVOC

DG No.: R2789-01

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

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

rameter	CAS Number	Concentration	C	RDL	MDL	Units
TERNAL STANDARDS						
rylene-d12	1520-96-3	696386	21.98			

SVOC

SDG No.: R2789-01

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

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

arameter	CAS Number	Concentration	C	RDL	MDL	Units
ARGETS						
aphthalene	91-20-3	< 47	U	4.0	47	ug/Kg
Methylnaphthalene	91-57-6	< 47	U	4.0	47	ug/Kg
cenaphthylene	208-96-8	< 47	U	4.0	47	ug/Kg
cenaphthene	83-32-9	< 47	U	4.0	47	ug/Kg
ibenzofuran	132-64-9	< 40	U	4.0	40	ug/Kg
uorene	86-73-7	< 44	U	4.0	44	ug/Kg
henanthrene	85-01-8	< 40	U	4.0	40	ug/Kg
nthracene	120-12-7	< 52	U	4.0	52	ug/Kg
uoranthene	206-44-0	< 40	U	4.0	40	ug/Kg
yrene	129-00-0	< 40	U	4.0	40	ug/Kg
enzo(a)anthracene	56-55-3	< 40	U	4.0	40	ug/Kg
hrysene	218-01-9	< 64	U	4.0	64	ug/Kg
enzo(b)fluoranthene	205-99-2	< 40	U	4.0	40	ug/Kg
enzo(k)fluoranthene	207-08-9	< 100	U	4.0	100	ug/Kg
enzo(a)pyrene	50-32-8	< 60	U	4.0	60	ug/Kg
deno(1,2,3-cd)pyrene	193-39-5	< 64	U	4.0	64	ug/Kg
ibenz(a,h)anthracene	53-70-3	< 60	U	4.0	60	ug/Kg
enzo(g,h,i)perylene	191-24-2	< 52	U	4.0	52	ug/Kg
URROGATES						
Fluorophenol	367-12-4	139.75	47 %	25 - 121		SPK: 300
enol-d5	13127-88-3	144.84	48 %	24 - 113		SPK: 300
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
rphenyl-d14	1718-51-0	119.13	60 %	18 - 137		SPK: 200
TERNAL STANDARDS						
ichlorobenzene-d4	3855-82-1	307129	5.43			
phthalene-d8	1146-65-2	525974	7.65			
aphthene-d10	15067-26-2	350746	11.02			
enanthrene-d10	1517-22-2	555955	13.94			

SVOC

DG No.: R2789-01

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

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

arameter	CAS Number	Concentration	C	RDL	MDL	Units
ERNAL STANDARDS						
hrysene-d12	1719-03-5	609906	19.22			
er ene-d12	1520-96-3	580464	21.97			

emtech Consulting Group

SVOC

DG No.: R2789-01

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

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

ar meter	CAS Number	Concentration	C	RDL	MDL	Units
ARGETS						
a thalene	91-20-3	< 68	U	5.8	68	ug/Kg
thylnaphthalene	91-57-6	< 68	U	5.8	68	ug/Kg
cenaphthylene	208-96-8	< 68	U	5.8	68	ug/Kg
c aphthene	83-32-9	< 68	U	5.8	68	ug/Kg
ibenzofuran	132-64-9	< 58	U	5.8	58	ug/Kg
luorene	86-73-7	< 63	U	5.8	63	ug/Kg
a anthrene	85-01-8	75		5.8	58	ug/Kg
racene	120-12-7	< 75	U	5.8	75	ug/Kg
uoranthene	206-44-0	150		5.8	58	ug/Kg
y e	129-00-0	110		5.8	58	ug/Kg
enzo(a)anthracene	56-55-3	< 58	U	5.8	58	ug/Kg
hrysene	218-01-9	< 92	U	5.8	92	ug/Kg
e o(b)fluoranthene	205-99-2	100		5.8	58	ug/Kg
enzo(k)fluoranthene	207-08-9	< 150	U	5.8	150	ug/Kg
enzo(a)pyrene	50-32-8	< 87	U	5.8	87	ug/Kg
d o(1,2,3-cd)pyrene	193-39-5	< 92	U	5.8	92	ug/Kg
ibenz(a,h)anthracene	53-70-3	< 87	U	5.8	87	ug/Kg
e o(g,h,i)perylene	191-24-2	< 75	U	5.8	75	ug/Kg
UROGATES						
Fluorophenol	367-12-4	138.65	46 %	25 - 121		SPK: 300
ol-d5	13127-88-3	149.79	50 %	24 - 113		SPK: 300
itrobenzene-d5	4165-60-0	113.3	57 %	23 - 120		SPK: 200
Fluorobiphenyl	321-60-8	100.29	50 %	30 - 116		SPK: 200
4 -Tribromophenol	118-79-6	172.93	58 %	19 - 122		SPK: 300
erphenyl-d14	1718-51-0	112.17	56 %	18 - 137		SPK: 200
ERNAL STANDARDS						
4-Dichlorobenzene-d4	3855-82-1	310995	5.42			
a thalene-d8	1146-65-2	536235	7.64			
c aphthene-d10	15067-26-2	360249	11.02			
enanthrene-d10	1517-22-2	570927	13.94			

SVOC

SDG No.: R2789-01

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

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

arameter	CAS Number	Concentration	C	RDL	MDL	Units
ERNAL STANDARDS						
rysene-d12	1719-03-5	665317	19.22			
r ene-d12	1520-96-3	656298	21.97			

1C

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: ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND		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

1C

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: ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND		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	
117-84-0	Di-n-octyl phthalate	5.0	U

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

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 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:

1C

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: 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: ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND		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

1C

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: 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: ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND		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

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

~~WT-01RE~~
WT-01WRE

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 es	17.30	20	J

Comments:

1C

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: ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND		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

1C

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: ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND		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

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WT-02-W

Lab Name: Chemtech Consulting Group Contract: RAEN01

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:

1C

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: ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND		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

1C

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: ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND		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

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

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 Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: Extraction: (Type) CONT

Number TICS found: 1

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

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

Comments:

1C

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: ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND		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

1C

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: ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND		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:

1C

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
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

1C

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

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

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 Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: Extraction: (Type) SONC

Number TICS found: 5

CONCENTRATION 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:

1C

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: ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	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

1C

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: 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

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

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 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:

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.
WT-01

Lab Name: Chemtech Consulting Group Contract: EA Engineering,

Lab Code: Case No.: SAS No.: R2789 SDG No.: R2789

Matrix (soil/water): WATER Lab Sample ID: R2789-01

Level (low/med): LOW Date Received: 6/10/03

% 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	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: COLORLESS Clarity Before: CLOUDY Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.
WT-02

Lab Name: Chemtech Consulting Group Contract: EA Engineering,

Lab Code: Case No.: SAS No.: R2789 SDG No.: R2789

Matrix (soil/water): WATER Lab Sample ID: R2789-02

Level (low/med): LOW Date Received: 6 /10/03

% 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	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: COLORLESS Clarity Before: CLOUDY Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.
WT-DUP01

Lab Name: Chemtech Consulting Group Contract: EA Engineering,

Lab Code: Case No.: SAS No.: R2789 SDG No.: R2789

Matrix (soil/water): WATER Lab Sample ID: R2789-03

Level (low/med): LOW Date Received: 6/10/03

% 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	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: COLORLESS Clarity Before: CLOUDY Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.
WT-01

Lab Name: Chemtech Consulting Group Contract: EA Engineering,

Lab Code: _____ Case No.: _____ SAS No.: R2789 SDG No.: R2789

Matrix (soil/water): SOIL Lab Sample ID: R2789-05

Level (low/med): LOW Date Received: 6/10/03

% Solids: 82

Concentration 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: MEDIUM

Color After: YELLOW Clarity After: _____ Artifacts: _____

Comments: _____

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.
WT-02

Lab Name: Chemtech Consulting Group Contract: EA Engineering,

Lab Code: Case No.: SAS No.: R2789 SDG No.: R2789

Matrix (soil/water): SOIL Lab Sample ID: R2789-06

Level (low/med): LOW Date Received: 6/10/03

% Solids: 57

Concentration 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: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments: