HERITAGE REMEDIATION/ENGINEERING, INC.

5656 Opportunity Drive
Toledo, OH 43612
Phone: 419/478-4396
FAX: 419/478-4560

October 26, 1990

Mr. A. William Nosil
Engineering Manager
HEXCEL
11555 Dublin Blvd.
Dublin, CA 94568

RE: Ground-Water Analytical Results
Fine Organics, Lodi, NJ
HR/E Project No. 60027

Dear Mr. Nosil:

For your information, we are providing the laboratory analytical results of the ground water obtained from CW-3, CW-11 and MW-21 on October 3, 1990. Control well CW-3 is located along Main Street adjacent to the Administration Building, CW-11 is located along Saddle River, and monitoring well MW-21 is located behind the restaurant.

1.0 Purge and Sample Procedures

Each well was purged of approximately five well volumes of casing water by utilizing a decontaminated stainless steel bladder pump prior to obtaining samples for analysis. The pump, teflon hoses and bladder were decontaminated between wells by washing with detergent and water followed by a distilled water rinse.

Water from each well was deposited into glass sample containers supplied by the analytical laboratory and placed on ice in a cooler for transport to All-Test Environmental Laboratories, Inc. of Hasbrouck Heights, New Jersey (New Jersey DEP certified laboratory #02525). Sample labels were clearly marked and proper chain of custody procedures were followed. Samples were analyzed for pesticides and PCBs (Method 608), volatile organic compounds [(VOCs)(Method 642)], total petroleum hydrocarbons [(TPH)(Method 618.1)], and base/neutrals and acid organics [(BNAs)(Method 625)].

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SDMS Document
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2.0 Results

Laboratory results and chain of custody are attached to this report. The following table summarizes the results which are expressed in ug/l [parts per billion (ppb)]:

Well No.	MW-21	CW-3	CW-11
COMPOUND			
TPH	3.5	11.9	3.33
Pesticides	BDL	BDL	BDL
PCBs	BDL	3.0	BDL
VOCs	1,410	33,224	24,463
BNAs	146	22,318	1,426

As indicated in the above table, pesticides were not detected in the three wells. PCBs (Arochlor 1242) were only detected in CW-3 at 3.0 ppb. CW-3 has the highest concentrations of volatile organic compounds, with methylene chloride (14,200 ppb) being the largest contributor. The largest contributor in MW-21 is chlorobenzene with 827 ppb. Vinyl chloride (6,700 ppb) and toluene (5,650 ppb) were the most evident VOCs found in CW-11. Some BNAs [2-chlorophenol (16 ppm) and dichlorobenzene (130 ppb)] were found in MW-21. Several BNA compounds were detected in CW-3 with dichlorobenzene (9,914 ppb) having the largest quantity. CW-11 also had several BNAs detected with dichlorobenzene (609 ppb) and benzoic acid (346 ppb) being the largest quantities.

3.0 Conclusions/Recommendations

It appears hydraulically upgradient locations have impacted ground water based upon the analytical results obtained from MW-21 and CW-3. Previous analyses from CW-5 (PW-2) revealed high concentrations of VOCs (3,812,000 ppb), BNAs (12,360 ppb) and PCB (Arochlor 1248 at 220 ppb). This PCB is different than the PCB detected in CW-3. Previous sampling results from MW-17 revealed 750,000 ppb VOCs with methylene chloride being the largest contributor with 610,000 ppb.

Once all site wells have been surveyed to a common datum, the water table elevations can be measured to better assess the apparent ground-water flow direction. We recommend installing monitoring wells across Main Street from CW-3 plus monitoring wells in the restaurant parking lot and possibly across Main Street from the restaurant. These wells will assess background water quality at these locations.

If you have any questions, please do not hesitate to call.

Sincerely,
Heritage Remediation/Engineering

Robert R. Beckwith, CPG
Senior Hydrogeologist

cc: Joe Ritchey
Jeff Macri
Rob Powell-ENVIRON

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ALL-TEST ENVIRONMENTAL LABORATORIES, INC.
60 Railroad Avenue, Hasbrouck Heights, N.J. 07604
(201) 288-6511 FAX: (201) 288-6887

Method 608 (Pesticides and PCB's)

Project No. 60027
Sample No. MW-21
Client Name: Heritage Remediation

Matrix: Water
Lab No. S-2181
Date Analyzed 10/12/90

COMPOUND	Result UG/L	MDL UG/L
alpha-BHC	ND	0.003
gamma-BHC (Lindane)	ND	0.004
Beta-BHC	ND	0.006
Heptachlor	ND	0.003
Delta-BHC	ND	0.009
Aldrin	ND	0.004
Hepachlor epoxide	ND	0.083
Endosulfan I	ND	0.014
4,4'-DDE	ND	0.004
Dieldrin	ND	0.002
Endrin	ND	0.006
4,4'-DDD	ND	0.011
Endosulfan II	ND	0.004
4,4'-DDT	ND	0.012
Endrin aldehyde	ND	0.023
Endosulfan Sulfate	ND	0.066
Endrin Ketone	ND	0.010
alpha-Chlordane	ND	0.009
gamma-Chlordane	ND	0.009
Chlordane	ND	0.014
Toxaphene	ND	0.240
PCB-1016	ND	0.100
PCB-1221	ND	0.100
PCB-1232	ND	0.050
PCB-1242	ND	0.065
PCB-1248	ND	0.050
PCB-1254	ND	0.050
PCB-1260	ND	0.050
Methoxychlor	ND	0.080

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Method 608 (Pesticides and PCB's)

Project No. 60027
Sample No. MW-CW-3
Client Name: Heritage Remediation

Matrix: Water
Lab No. S-2181
Date Analyzed 10/12/90

COMPOUND	Result UG/L	MDL UG/L
alpha-BHC	ND	0.003
gamma-BHC (Lindane)	ND	0.004
Beta-BHC	ND	0.006
Heptachlor	ND	0.003
Delta-BHC	ND	0.009
Aldrin	ND	0.004
Hepachlor epoxide	ND	0.083
Endosulfan I	ND	0.014
4,4'-DDE	ND	0.004
Dieldrin	ND	0.002
Endrin	ND	0.006
4,4'-DDD	ND	0.011
Endosulfan II	ND	0.004
4,4'-DDT	ND	0.012
Endrin aldehyde	ND	0.023
Endosulfan Sulfate	ND	0.066
Endrin Ketone	ND	0.010
alpha-Chlordane	ND	0.009
gamma-Chlordane	ND	0.009
Chlordane	ND	0.014
Toxaphene	ND	0.240
PCB-1016	ND	0.100
PCB-1221	ND	0.100
PCB-1232	ND	0.050
PCB-1242	3.0	0.065
PCB-1248	ND	0.050
PCB-1254	ND	0.050
PCB-1260	ND	0.050
Methoxychlor	ND	0.080

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Method 608 (Pesticides and PCB's)

Project No. 60027
Sample No. CW-11
Client Name: Heritage Remediation

Matrix: Water
Lab No. S-2181
Date Analyzed 10/12/90

COMPOUND	Result UG/L	MDL UG/L
alpha-BHC	ND	0.003
gamma-BHC (Lindane)	ND	0.004
Beta-BHC	ND	0.006
Heptachlor	ND	0.003
Delta-BHC	ND	0.009
Aldrin	ND	0.004
Hepachlor epoxide	ND	0.083
Endosulfan I	ND	0.014
4,4'-DDE	ND	0.004
Dieldrin	ND	0.002
Endrin	ND	0.006
4,4'-DDD	ND	0.011
Endosulfan II	ND	0.004
4,4'-DDT	ND	0.012
Endrin aldehyde	ND	0.023
Endosulfan Sulfate	ND	0.066
Endrin Ketone	ND	0.010
alpha-Chlordane	ND	0.009
gamma-Chlordane	ND	0.009
Chlordane	ND	0.014
Toxaphene	ND	0.240
PCB-1016	ND	0.100
PCB-1221	ND	0.100
PCB-1232	ND	0.050
PCB-1242	ND	0.065
PCB-1248	ND	0.050
PCB-1254	ND	0.050
PCB-1260	ND	0.050
Methoxychlor	ND	0.080

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Volatile Organic Analysis Data

Project No. 60027
Sample No. MW-21
Client Name: Heritage Remediation

Matrix: Water
Lab No. S-2181
Date Analyzed 10/5/90

COMPOUND	RESULT UG/L	MDL UG/L
Chloromethane	ND	3.5
Bromomethane	ND	2.5
Vinyl Chloride	ND	7.1
Chloroethane	ND	9.5
Methylene Chloride	98	6.3
Acetone	67	8.2
Carbon Disulfide	17	4.5
1,1-Dichloroethene	ND	3.6
trans -1,2-Dichloroethene	ND	3.6
1,1 Dichloroethane	27	1.5
Chloroform	ND	4.5
1,2-Dichloroethane	ND	2.0
2-Butanone	35	8.0
1,1,1-Trichloroethane	ND	2.1
Vinyl Acetate	ND	10.9
Bromodichloromethane	ND	2.2
1,2-Dichloroprapane	ND	9.8
cis-1,3-Dichloropropene	ND	1.2
Trichloroethene	4	1.6
Benzene	14	2.3
Carbon Tetrachloride	ND	19.8
Dibromochloromethane	ND	2.6
1,1,2-Trichloroethane	ND	3.9
trans-1,3-Dichloropropene	ND	1.2
Bromoform	ND	3.5
2-Hexanone	45	9.4
4-Methyl-2-pentanone	ND	11.0
Tetrachloroethene	3	2.1
1,1,2,2-Tetrachloroethane	ND	11.3
Toluene	9	2.1
Chlorobenzene	827	1.5
Ethylbenzene	ND	2.6
Styrene	ND	1.7
Total Xylenes	14	1.6
2-Chloroethylvinyl ether	ND	9.8
1,3-Dichlorobenzene	31	1.6
1,4-Dichlorobenzene	102	1.5
1,2-Dichlorobenzene	117	0.8

VOLATILE SURROGATE COMPOUNDS	RECOVERY
1,2-Dichloroethane-d4	108.2%
Toluene-d8	110.0
Bromofluorobenzene	93.8%

(ND) Indicates Compound Not Detected

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Volatile Organic Analysis Data

Project No. 60027
Sample No. CW-3
Client Name: Heritage Remediation

Matrix: Water
Lab No. S-2181
Date Analyzed 10/5/90

COMPOUND	RESULT UG/L	MDL UG/L
Chloromethane	ND	17.4
Bromomethane	ND	12.5
Vinyl Chloride	ND	35.5
Chloroethane	ND	47.4
Methylene Chloride	14200	31.4
Acetone	171	40.8
Carbon Disulfide	ND	32.4
1,1-Dichloroethene	454	17.9
trans -1,2-Dichloroethene	107	18.0
1,1 Dichloroethane	525	7.7
Chloroform	24	22.3
1,2-Dichloroethane	ND	10.0
2-Butanone	ND	40.0
1,1,1-Trichloroethane	1280	10.7
Vinyl Acetate	ND	54.5
Bromodichloromethane	88	11.0
1,2-Dichloroprapane	ND	48.9
cis-1,3-Dichloropropene	ND	5.9
Trichloroethene	4395	7.8
Benzene	23	11.6
Carbon Tetrachloride	198	98.8
Dibromochloromethane	ND	13.2
1,1,2-Trichloroethane	ND	19.7
trans-1,3-Dichloropropene	ND	6.2
Bromoform	ND	17.4
2-Hexanone	ND	46.8
4-Methyl-2-pentanone	ND	55.1
Tetrachloroethene	5650	10.4
1,1,2,2-Tetrachloroethane	ND	56.4
Toluene	1575	10.7
Chlorobenzene	2310	7.7
Ethylbenzene	324	13.2
Styrene	ND	8.4
Total Xylenes	815	7.8
2-Chloroethylvinyl ether	ND	48.9
1,3-Dichlorobenzene	157	8.0
1,4-Dichlorobenzene	467	7.5
1,2-Dichlorobenzene	461	4.0

VOLATILE SURROGATE COMPOUNDS	RECOVERY
1,2-Dichloroethane-d4	108.2%
Toluene-d8	110.0
Bromofluorobenzene	93.8%

(ND) Indicates Compound Not Detected

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Volatile Organic Analysis Data

Project No. 60027
Sample No: CW-11
Client Name: Heritage Remediation

Matrix: Water
Lab No. S-2181
Date Analyzed 10/5/90

COMPOUND	RESULT UG/L	MDL UG/L
Chloromethane	ND	17.4
Bromomethane	ND	12.5
Vinyl Chloride	6700	35.5
Chloroethane	175	47.4
Methylene Chloride	2315	31.4
Acetone	650	40.8
Carbon Disulfide	ND	22.4
1,1-Dichloroethene	18	17.9
trans -1,2-Dichloroethene	ND	18.0
1,1 Dichloroethane	575	7.7
Chloroform	ND	22.3
1,2-Dichloroethane	ND	10.0
2-Butanone	182	40.0
1,1,1-Trichloroethane	ND	10.7
Vinyl Acetate	ND	54.5
Bromodichloromethane	ND	11.0
1,2-Dichloroprapane	ND	48.9
cis-1,3-Dichloropropene	ND	5.9
Trichloroethene	240	7.8
Benzene	2390	11.6
Carbon Tetrachloride	ND	98.8
Dibromochloromethane	ND	13.2
1,1,2-Trichloroethane	ND	19.7
trans-1,3-Dichloropropene	ND	6.2
Bromoform	ND	17.4
2-Hexanone	124	46.8
4-Methyl-2-pentanone	ND	55.1
Tetrachloroethene	910	10.4
1,1,2,2-Tetrachloroethane	ND	56.4
Toluene	5650	10.7
Chlorobenzene	2965	7.7
Ethylbenzene	449	13.2
Styrene	135	8.4
Total Xylenes	122	7.8
2-Chloroethylvinyl ether	ND	48.9
1,3-Dichlorobenzene	25	8.0
1,4-Dichlorobenzene	113	7.5
1,2-Dichlorobenzene	725	4.0

VOLATILE SURROGATE COMPOUNDS	RECOVERY
1,2-Dichloroethane-d4	104.0%
Toluene-d8	158.4%
Bromofluorobenzene	104.8 %

(ND) Indicates Compound Not Detected

885270009

ALL-TEST ENVIRONMENTAL LABORATORIES, INC.
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(201) 288-6511 FAX: (201) 288-6887

October 11, 1990

Mr. Robert Beckwith
Heritage Remediation/Engineering, Inc.
Toledo Division
5656 Opportunity Drive
Toledo, Ohio 43612

Re: Project No. 60027

Lab Project No. S-2181

Please note the following results for the " Monitoring Well Water " samples received on 10/3/90 and tested for " Total Petroleum Hydrocarbons ". All results are reported in mg/l (ppm).

Sample ID and Location	Results
#1 MW-21	3.5 ppm
#2 CW-3	11.9 ppm
#3 CW-11	3.33 ppm

Thank you,

Irving Berkowitz
Lab Manager

Method Detection Limit For this analysis is 0.300 ppm

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ALL-TEST ENVIRONMENTAL LABORATORIES, INC.
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BASE/NEUTRALS ORGANIC GC/MS REPORT

CLIENT NAME :HERITAGE REMEDIATION ENGINEERING, INC.
LAB SAMPLE NUMBER:S-2181 #1 MATRIX :AQUEOUS
CLIENT SAMPLE ID :MW-21 DATE EXTRACTED:10/3/90
DATE ANALYZED :10/5/90

COMPOUNDS	RESULT UG/L	MDL UG/L
Aniline	ND	10
Phenol	ND	10
bis(2-Chloroethyl)Ether	ND	10
2-Chlorophenol	16	10
1,4-Dichlorobenzene	61	10
1,2-Dichlorobenzene	69	10
Benzyl Alcohol	ND	10
bis(2-ChloroIsopropyl)Ether	ND	10
Hexachloroethane	ND	10
N-Nitroso-Di-N-PropylAmine	ND	10
Nitrobenzene	ND	10
Isophorone	ND	10
2-Nitrophenol	ND	10
2,4-Dimethylphenol	ND	10
bis(2Chloroethoxy)Methane	ND	10
Benzoic Acid	ND	10
1,2,4-Trichlorobenzene	ND	10
Naphthalene	ND	10
4-Chloroaniline	ND	10
Hexachlorobutadiene	ND	10
2-Methylnaphthalene	ND	10
Hexachlorocyclopentadiene	ND	10
2-Chloronaphthalene	ND	10
2-Nitroaniline	ND	10
Acenaphthylene	ND	10
Dimethyl Phthalate	ND	10
2,6-Dinitrotoluene	ND	10
2,4-Dinitrotoluene	ND	10
3-Nitroaniline	ND	10
Acenaphthene	ND	10
Dibenzofuran	ND	10
Diethyl Phthalate	ND	10
4-Chlorophenyl-phenyl-Ether	ND	10
4-Nitroaniline	ND	10
N-Nitroso-Diphenylamine	ND	10
Azobenzene	ND	10
4-Bromophenyl-Phenylether	ND	10
Hexachlorobenzene	ND	10
Phenanthrene	ND	10
Anthracene	ND	10
Di-N-Butyl Phthalate	ND	10
Fluoranthene	ND	10

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(201) 288-6511 FAX: (201) 288-6887

BASE/NEUTRALS ORGANIC GC/MS REPORT
CONTINUED

CLIENT NAME :HERITAGE REMEDIATION ENGINEERING, INC.
LAB SAMPLE NUMBER:S-2181 #1 MATRIX :AQUEOUS
CLIENT SAMPLE ID :MW-21 DATE EXTRACTED:10/3/90
DATE ANALYZED :10/5/90

COMPOUNDS	RESULT UG/L	MDL UG/L
Benzo(a)Anthracene	ND	10
3,3'-Dichlorobenzidine	ND	10
Chrysene	ND	10
bis(2-ethylhexyl)Phthalate	ND	10
Di-N-Octyl Phthalate	ND	10
Benzo(b)Fluoranthene	ND	10
Benzo(k)Fluoranthene	ND	10
Benzo(a)Pyrene	ND	10
Indeno(123-cd)Pyrene	ND	10
Dibenzo(a,h)Anthracene	ND	10
Benzo(g,h,i)Perylene	ND	10
Benzidene	ND	10
Pyrene	ND	10
Butylbenzyl Phthalate	ND	10

BASE NEUTRAL SURROGATE RECOVERY

Nitrobenzene-d5	61 %
2-Fluorobiphenyl	66 %
Terphenyl-d14	61 %

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ACID EXTRACTABLES ORGANIC GC/MS REPORT

CLIENT NAME :HERITAGE REMEDIATION ENGINEERING, INC.
LAB SAMPLE NUMBER:S-2181 #1 MATRIX :AQUEOUS
CLIENT SAMPLE ID :MW-21 DATE EXTRACTED:10/3/90
DATE ANALYZED :10/5/90

COMPOUNDS	RESULT UG/L	MDL UG/L
Phenol	ND	10
2-Chlorophenol	ND	10
2-Methylphenol	ND	10
4-Methylphenol	ND	10
2,4-Dichlorophenol	ND	10
4-Chloro-3-Methylphenol	ND	10
2,4,6-Trichlorophenol	ND	10
2,4,5-Trichlorophenol	ND	10
2,4-Dinitrophenol	ND	10
4-Nitrophenol	ND	10
4,6-Dinitro-2-Methylphenol	ND	10
Pentachlorophenol	ND	10

ACID SURROGATE RECOVERY

2-Fluorophenol	6.5 %
Phenol-d5	6 %
2,4,6-Tribromophenol	11.5 %

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BASE/NEUTRALS ORGANIC GC/MS REPORT

CLIENT NAME :HERITAGE REMEDIATION ENGINEERING, INC.
LAB SAMPLE NUMBER:S-2181 #2 MATRIX :AQUEOUS
CLIENT SAMPLE ID :CW-3 DATE EXTRACTED:10/3/90
DATE ANALYZED :10/5/90

COMPOUNDS	RESULT UG/L	MDL UG/L
Aniline	ND	10
Phenol	33	10
bis(2-Chloroethyl)Ether	ND	10
2-Chlorophenol	1091	10
1,4-Dichlorobenzene	3333	10
1,2-Dichlorobenzene	6581	10
Benzyl Alcohol	ND	10
bis(2-ChloroIsopropyl)Ether	27	10
Hexachloroethane	68	10
N-Nitroso-Di-N-PropylAmine	ND	10
Nitrobenzene	ND	10
Isophorone	25	10
2-Nitrophenol	721	10
2,4-Dimethylphenol	ND	10
bis(2Chloroethoxy)Methane	ND	10
Benzoic Acid	2120	10
1,2,4-Trichlorobenzene	ND	10
Naphthalene	ND	10
4-Chloroaniline	23	10
Hexachlorobutadiene	48	10
2-Methylnaphthalene	39	10
Hexachlorocyclopentadiene	ND	10
2-Chloronaphthalene	ND	10
2-Nitroaniline	713	10
Acenaphthylene	11	10
Dimethyl Phthalate	ND	10
2,6-Dinitrotoluene	99	10
2,4-Dinitrotoluene	268	10
3-Nitroaniline	ND	10
Acenaphthene	ND	10
Dibenzofuran	ND	10
Diethyl Phthalate	ND	10
4-Chlorophenyl-phenyl-Ether	2348	10
4-Nitroaniline	ND	10
N-Nitroso-Diphenylamine	ND	10
Azobenzene	327	10
4-Bromophenyl-Phenylether	ND	10
Hexachlorobenzene	ND	10
Phenanthrene	1644	10
Anthracene	ND	10
Di-N-Butyl Phthalate	ND	10
Fluoranthene	ND	10

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BASE/NEUTRALS ORGANIC GC/MS REPORT
CONTINUED

CLIENT NAME :HERITAGE REMEDIATION ENGINEERING, INC.
LAB SAMPLE NUMBER:S-2181 #2 MATRIX :AQUEOUS
CLIENT SAMPLE ID :CW-3 DATE EXTRACTED:10/3/90
DATE ANALYZED :10/5/90

COMPOUNDS	RESULT UG/L	MDL UG/L
Benzo(a)Anthracene	ND	10
3,3'-Dichlorobenzidine	ND	10
Chrysene	ND	10
bis(2-ethylhexyl)Phthalate	ND	10
Di-N-Octyl Phthalate	ND	10
Benzo(b)Fluoranthene	ND	10
Benzo(k)Fluoranthene	ND	10
Benzo(a)Pyrene	ND	10
Indeno(123-cd)Pyrene	ND	10
Dibenzo(a,h)Anthracene	ND	10
Benzo(g,h,i)Perylene	ND	10
Benzidene	ND	10
Pyrene	ND	10
Butylbenzyl Phthalate	ND	10

BASE NEUTRAL SURROGATE RECOVERY

Nitrobenzene-d5	32 %
2-Fluorobiphenyl	39 %
Terphenyl-d14	59 %

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ACID EXTRACTABLES ORGANIC GC/MS REPORT

CLIENT NAME :HERITAGE REMEDIATION ENGINEERING, INC.
LAB SAMPLE NUMBER:S-2181 #2 MATRIX :AQUEOUS
CLIENT SAMPLE ID :CW-3 DATE EXTRACTED:10/3/90
DATE ANALYZED :10/5/90

COMPOUNDS	RESULT UG/L	MDL UG/L
Phenol	ND	10
2-Chlorophenol	ND	10
2-Methylphenol	27	10
4-Methylphenol	25	10
2,4-Dichlorophenol	23	10
4-Chloro-3-Methylphenol	713	10
2,4,6-Trichlorophenol	99	10
2,4,5-Trichlorophenol	268	10
2,4-Dinitrophenol	ND	10
4-Nitrophenol	1644	10
4,6-Dinitro-2-Methylphenol	ND	10
Pentachlorophenol	ND	10

ACID SURROGATE RECOVERY

2-Fluorophenol	31 %
Phenol-d5	71 %
2,4,6-Tribromophenol	27 %

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BASE/NEUTRALS ORGANIC GC/MS REPORT

CLIENT NAME :HERITAGE REMEDIATION ENGINEERING, INC.
LAB SAMPLE NUMBER:S-2181 #3 MATRIX :AQUEOUS
CLIENT SAMPLE ID :CW-11 DATE EXTRACTED:10/3/90
DATE ANALYZED :10/5/90

COMPOUNDS	RESULT UG/L	MDL UG/L
Aniline	ND	10
Phenol	13	10
bis(2-Chloroethyl)Ether	ND	10
2-Chlorophenol	10	10
1,4-Dichlorobenzene	33	10
1,2-Dichlorobenzene	576	10
Benzyl Alcohol	ND	10
bis(2-ChloroIsopropyl)Ether	ND	10
Hexachloroethane	ND	10
N-Nitroso-Di-N-PropylAmine	ND	10
Nitrobenzene	ND	10
Isophorone	15	10
2-Nitrophenol	ND	10
2,4-Dimethylphenol	ND	10
bis(2Chloroethoxy)Methane	ND	10
Benzoic Acid	346	10
1,2,4-Trichlorobenzene	ND	10
Naphthalene	ND	10
4-Chloroaniline	ND	10
Hexachlorobutadiene	ND	10
2-Methylnaphthalene	177	10
Hexachlorocyclopentadiene	ND	10
2-Chloronaphthalene	ND	10
2-Nitroaniline	24	10
Acenaphthylene	67	10
Dimethyl Phthalate	ND	10
2,6-Dinitrotoluene	ND	10
2,4-Dinitrotoluene	ND	10
3-Nitroaniline	ND	10
Acenaphthene	ND	10
Dibenzofuran	ND	10
Diethyl Phthalate	ND	10
4-Chlorophenyl-phenyl-Ether	ND	10
4-Nitroaniline	ND	10
N-Nitroso-Diphenylamine	ND	10
Azobenzene	ND	10
4-Bromophenyl-Phenylether	ND	10
Hexachlorobenzene	ND	10
Phenanthrene	ND	10
Anthracene	ND	10
Di-N-Butyl Phthalate	ND	10
Fluoranthene	ND	10

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ALL-TEST ENVIRONMENTAL LABORATORIES, INC.
60 Railroad Avenue, Hasbrouck Heights, N.J. 07604
(201) 288-6511 FAX: (201) 288-6887

BASE/NEUTRALS ORGANIC GC/MS REPORT
CONTINUED

CLIENT NAME :HERITAGE REMEDIATION ENGINEERING, INC.
LAB SAMPLE NUMBER:S-2181 #3 MATRIX :AQUEOUS
CLIENT SAMPLE ID :CW-11 DATE EXTRACTED:10/3/90
DATE ANALYZED :10/5/90

COMPOUNDS	RESULT UG/L	MDL UG/L
Benzo(a)Anthracene	ND	10
3,3'-Dichlorobenzidine	ND	10
Chrysene	ND	10
bis(2-ethylhexyl)Phthalate	ND	10
Di-N-Octyl Phthalate	ND	10
Benzo(b)Fluoranthene	ND	10
Benzo(k)Fluoranthene	ND	10
Benzo(a)Pyrene	ND	10
Indeno(123-cd)Pyrene	ND	10
Dibenzo(a,h)Anthracene	ND	10
Benzo(g,h,i)Perylene	ND	10
Benzidene	ND	10
Pyrene	63	10
Butylbenzyl Phthalate	ND	10

BASE NEUTRAL SURROGATE RECOVERY

Nitrobenzene-d5	6.2 %
2-Fluorobiphenyl	65 %
Terphenyl-d14	62 %

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ACID EXTRACTABLES ORGANIC GC/MS REPORT

CLIENT NAME :HERITAGE REMEDIATION ENGINEERING, INC.
LAB SAMPLE NUMBER:S-2181 #3 MATRIX :AQUEOUS
CLIENT SAMPLE ID :CW-11 DATE EXTRACTED:10/3/90
DATE ANALYZED :10/5/90

COMPOUNDS	RESULT UG/L	MDL UG/L
Phenol	ND	10
2-Chlorophenol	ND	10
2-Methylphenol	ND	10
4-Methylphenol	15	10
2,4-Dichlorophenol	ND	10
4-Chloro-3-Methylphenol	24	10
2,4,6-Trichlorophenol	ND	10
2,4,5-Trichlorophenol	ND	10
2,4-Dinitrophenol	ND	10
4-Nitrophenol	ND	10
4,6-Dinitro-2-Methylphenol	63	10
Pentachlorophenol	ND	10

ACID SURROGATE RECOVERY

2-Fluorophenol	11 %
Phenol-d5	0.55 %
2,4,6-Tribromophenol	23 %

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HERITAGE

HERITAGE REMEDIATION/ENGINEERING, INC.

Toledo Division • 5656 Opportunity Drive • Toledo, OH 43612

CHAIN OF CUSTODY RECORD

PROJ. NO.: 6.0027

PROJECT NAME: Hexcel

SAMPLERS: (Signature) Robert Beckwith

STA. NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	TPHC	BNA	608	VOC			REMARKS
1	10-3	1115		✓	MW-21	5	✓	✓	✓	✓			
2	10-3	1145		✓	CW-3	5	✓	✓	✓	✓			
3	10-3	1230		✓	CW-11	5	✓	✓	✓	✓			

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Robert Beckwith	10/3/90 1319	R. Bakat			
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks	
				All Test Environmental Labs (201) 288-6511	

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