GENERAL ENGINEERING LABORATORIES

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Certificate of Analysis

Carmen Johnson
Scanned by | Date 8/24/12 | Doc ID # RCO
94-01

Company : Delta Environmental
Address : 6701 Carmel, Suite 303
Charlotte, NC 28226

Contact: Rick Powell
Project: Containerboard Mill

Report Date: March 5, 2001

Client Sample ID:	Upstream	Project:	DELT00200
Sample ID:	37478001	Client ID:	DELT002
Matrix:	Ground Water		
Collect Date:	08-FEB-01		
Receive Date:	09-FEB-01		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Conductivity Analysis											
EPA120 1 Specific Conductivity											
Conductivity		112	1.00	1.00	umhos/cm	1	MOJ1	02/14/01	1000	64819	1
Electrode Analysis											
EPA 150.1 pH											
pH at Temp 23.7C		6.58	0.010	0.100	SU	1	VH1	02/09/01	1955	64373	2
Ion Chromatography											
EPA300.0 Sulfate in Liquid											
Bromide	U	ND	0.020	0.050	mg/L	1	KMR1	02/09/01	1441	64333	3
Chloride		12.9	0.025	0.100	mg/L	1					
Fluoride		0.100	0.014	0.050	mg/L	1					
Nitrate		0.067	0.010	0.050	mg/L	1					
Nitrite	U	ND	0.009	0.050	mg/L	1					
Sulfate		13.0	0.062	0.200	mg/L	1					
Mercury Analysis											
7470 Cold Vapor Hg Liquid											
Mercury	U	ND	0.073	0.200	ug/L	1	AW2	02/14/01	1200	64918	4
Metals Analysis-ICP											
3005/6010 Silicon/Silica											
Calcium		12100	37.5	100	ug/L	1	HSC	02/13/01	1737	64688	5
Magnesium		2360	4.49	20.0	ug/L	1					
Potassium		1770	7.07	100	ug/L	1					
Silica		12100	28.4	213	ug/L	1					
Silicon		5710	13.3	100	ug/L	1					
Sodium		6910	8.13	100	ug/L	1					
Metals Analysis-ICPMS											
6020/3005 MIMICP SCAN Metals											
Antimony	J	0.133	0.111	2.00	ug/L	1	LAR	02/24/01	0043	64690	6
Arsenic	J	0.365	0.145	3.00	ug/L	1					
Barium		41.5	0.158	2.00	ug/L	1					
Beryllium	J	0.093	0.034	0.200	ug/L	1					
Cadmium	J	0.401	0.050	1.00	ug/L	1					
Chromium	J	1.23	0.645	3.00	ug/L	1					
Cobalt		1.05	0.018	1.00	ug/L	1					
Copper	J	0.626	0.593	1.00	ug/L	1					
Iron		824	7.92	25.0	ug/L	1					
Lead	J	0.637	0.077	2.00	ug/L	1					
Manganese		34.4	0.655	5.00	ug/L	1					

Carmen Johnson
Fac/Perm/Co ID # | Date 8/24/12 | Doc ID# DIN
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Project: Containerboard Mill

Client Sample ID: Upstream
Sample ID: 37478001

Project: DELT00200
Client ID: DELT002

Parameter	Qualifier	Result		DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Metals Analysis-ICPMS												
6020/3005 MIMICP SCAN Metals												
Nickel	J	1.45		0.072	2.00	ug/L	1					
Selenium	J	0.434		0.218	5.00	ug/L	1					
Silver	J	0.567		0.101	1.00	ug/L	1					
Strontium		107		0.020	10.0	ug/L	1					
Thallium		0.909		0.014	0.500	ug/L	1					
Vanadium	J	1.38		0.330	10.0	ug/L	1					
Zinc	J	4.16		0.974	10.0	ug/L	1					
Micro-biology												
EPA 405.1 BOD, 5DAY												
BOD, 5 DAY	J	2.85		2.00	4.00	mg/L		ES	02/09/01	1240	64286	8
Rad Alpha Spec												
Alphaspec U, liquid												
Uranium-233/234	U	ND	+/-0.153	0.347	1.00	pCi/L		TOH2	02/17/01	1052	64156	9
Uranium-235/236	U	ND	+/-0.0184	0.168	1.00	pCi/L						
Uranium-238	U	ND	+/-0.0183	0.167	1.00	pCi/L						
Rad Gas Flow												
GFPC, Gross A/B, liquid												
Alpha	U	ND	+/-0.691	1.75	1.50	pCi/L		NVN	02/14/01	1236	64469	10
Beta	U	ND	+/-1.55	3.27	2.00	pCi/L						
GFPC, Ra228, liquid												
Radium-228	U	ND	+/-0.797	1.85	1.50	pCi/L		AS1	02/19/01	1023	64372	11
Rad Liquid Scint												
Liquid Scint Rn222, liquid												
Radon-222	U	ND	+/-27.4	47.5	200	pCi/L		AEA	02/10/01	1648	64374	12
Rad Radium-226												
Lucas Cell, Ra226, liquid												
Radium-226	U	ND	+/-0.351	0.633	1.00	pCi/L		RDD	02/27/01	1640	64619	13
Rapid Flow Analysis (Alpkem)												
EPA 335.3 Cyanide, Total												
Cyanide, Total	U	ND		2.76	5.00	ug/L	1	ADF	02/14/01	1052	64775	14
Semi-Volatiles-GC/MS												
3510/8270C TCL BNA Liquid												
1,2,4-Trichlorobenzene	U	ND		1.46	9.62	ug/L	1	JWF	02/14/01	1606	64856	15
1,2-Dichlorobenzene	U	ND		1.57	9.62	ug/L	1					
1,3-Dichlorobenzene	U	ND		1.45	9.62	ug/L	1					
1,4-Dichlorobenzene	U	ND		1.76	9.62	ug/L	1					
2,4,5-Trichlorophenol	U	ND		1.13	9.62	ug/L	1					
2,4,6-Trichlorophenol	U	ND		1.08	9.62	ug/L	1					

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Sample ID: 37478001

Project: DELT00200
Client ID: DELT002

Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Semi-Volatiles-GC/MS										
3510/8270C TCL BNA Liquid										
2,4-Dichlorophenol	U	ND	1.23	9.62	ug/L	1				
2,4-Dimethylphenol	U	ND	1.24	9.62	ug/L	1				
2,4-Dinitrophenol	U	ND	1.31	19.2	ug/L	1				
2,4-Dinitrotoluene	U	ND	0.933	9.62	ug/L	1				
2,6-Dinitrotoluene	U	ND	1.05	9.62	ug/L	1				
2-Chloronaphthalene	U	ND	0.125	0.962	ug/L	1				
2-Chlorophenol	U	ND	1.19	9.62	ug/L	1				
2-Methyl-4,6-dinitrophenol	U	ND	0.933	9.62	ug/L	1				
2-Methylnaphthalene	U	ND	0.144	0.962	ug/L	1				
2-Nitrophenol	U	ND	1.28	9.62	ug/L	1				
3,3'-Dichlorobenzidine	U	ND	1.06	9.62	ug/L	1				
4-Bromophenylphenylether	U	ND	1.10	9.62	ug/L	1				
4-Chloro-3-methylphenol	U	ND	1.34	9.62	ug/L	1				
4-Chloroaniline	U	ND	2.40	9.62	ug/L	1				
4-Chlorophenylphenylether	U	ND	1.13	9.62	ug/L	1				
4-Nitrophenol	U	ND	0.173	9.62	ug/L	1				
Acenaphthene	U	ND	0.0673	0.962	ug/L	1				
Acenaphthylene	U	ND	0.0962	0.962	ug/L	1				
Anthracene	U	ND	0.125	0.962	ug/L	1				
Benzo(a)anthracene	U	ND	0.0962	0.962	ug/L	1				
Benzo(a)pyrene	U	ND	0.125	0.962	ug/L	1				
Benzo(b)fluoranthene	U	ND	0.125	0.962	ug/L	1				
Benzo(ghi)perylene	U	ND	0.0769	0.962	ug/L	1				
Benzo(k)fluoranthene	U	ND	0.221	0.962	ug/L	1				
Butylbenzylphthalate	U	ND	1.75	9.62	ug/L	1				
Carbazole	U	ND	1.21	9.62	ug/L	1				
Chrysene	U	ND	0.115	0.962	ug/L	1				
Di-n-butylphthalate	U	ND	1.75	9.62	ug/L	1				
Di-n-octylphthalate	U	ND	2.04	9.62	ug/L	1				
Dibenzo(a,h)anthracene	U	ND	0.0962	0.962	ug/L	1				
Dibenzofuran	U	ND	0.952	9.62	ug/L	1				
Diethylphthalate	U	ND	1.18	9.62	ug/L	1				
Dimethylphthalate	U	ND	1.07	9.62	ug/L	1				
Diphenylamine	U	ND	0.981	9.62	ug/L	1				
Fluoranthene	U	ND	0.115	0.962	ug/L	1				
Fluorene	U	ND	0.115	0.962	ug/L	1				
Hexachlorobenzene	U	ND	1.03	9.62	ug/L	1				
Hexachlorobutadiene	U	ND	1.69	9.62	ug/L	1				
Hexachlorocyclopentadiene	U	ND	1.06	9.62	ug/L	1				
Hexachloroethane	U	ND	1.63	9.62	ug/L	1				
Indeno(1,2,3-cd)pyrene	U	ND	0.0962	0.962	ug/L	1				
Isophorone	U	ND	1.08	9.62	ug/L	1				

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Report Date: March 5, 2001

Contact: Rick Powell
Project: Containerboard Mill

Client Sample ID: Upstream
Sample ID: 37478001

Project: DELT00200
Client ID: DELT002

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Semi-Volatiles-GC/MS											
3510/8270C TCL BNA Liquid											
N-Nitrosodipropylamine	U	ND	1.27	9.62	ug/L	1					
Naphthalene	U	ND	0.115	0.962	ug/L	1					
Nitrobenzene	U	ND	1.37	9.62	ug/L	1					
Pentachlorophenol	J	7.88	1.52	9.62	ug/L	1					
Phenanthrene	U	ND	0.115	0.962	ug/L	1					
Phenol	U	ND	0.808	9.62	ug/L	1					
Pyrene	U	ND	0.135	0.962	ug/L	1					
bis(2-Chloroethoxy)methane	U	ND	1.34	9.62	ug/L	1					
bis(2-Chloroethyl) ether	U	ND	1.35	9.62	ug/L	1					
bis(2-Chloroisopropyl)ether	U	ND	1.27	9.62	ug/L	1					
bis(2-Ethylhexyl)phthalate	U	ND	0.0385	0.962	ug/L	1					
m,p-Cresols	U	ND	1.03	9.62	ug/L	1					
m-Nitroaniline	U	ND	1.26	9.62	ug/L	1					
o-Cresol	U	ND	1.21	9.62	ug/L	1					
o-Nitroaniline	U	ND	2.01	9.62	ug/L	1					
p-Nitroaniline	U	ND	1.49	9.62	ug/L	1					
Solids Analysis											
EPA 160.1 Solids, Dissolved											
Total Dissolved Solids		92.0	5.09	10.0	mg/L		TSM	02/12/01	1302	64445	16
EPA 160.2 Total Suspended Liq											
Total Suspended Solids	J	0.800	0.699	5.00	mg/L		TSM	02/12/01	1007	64448	17
Spectrometric Analysis											
EPA 410.4 Chem. Oxygen Demand											
COD		18.5	1.74	5.00	mg/L	1	MOJ1	02/12/01	0820	64442	18
SW846_7196A Hexavalent Chromiu											
Hexavalent Chromium		0.015	0.005	0.010	mg/L	1	VH1	02/09/01	1730	64377	19
TOC Analysis											
EPA 415.1 Total Organic Carbon											
Total Organic Carbon		6.68	0.0406	0.200	mg/L	1	MS1	02/15/01	1926	65225	20
TRAACS Nutrient Analysis											
EPA 350.1 Nitrogen, Ammonia L											
Nitrogen, Ammonia	U	ND	0.0235	0.050	mg/L	1	THL	02/14/01	1027	64939	21
EPA 365.4 Phosphorus, Total in											
Phosphorus, Total as PO4	U	ND	0.0194	0.050	mg/L	1	THL	02/15/01	1317	65114	22
Titration Analysis											
EPA 310.1 Total Alkalinity											
Alkalinity, Total as CaCO3		24.9	1.45	2.00	mg/L		MOJ1	02/20/01	1140	65654	23
SM2320B Bicarbonates											

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Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Titration Analysis											
SM2320B Bicarbonates											
Bicarbonate alkalinity (CaCO3)		24.9	1.45	2.00	mg/L		MOJ1	02/20/01	1140	65654	24
Carbonate alkalinity (CaCO3)	U	ND	1.45	2.00	mg/L						
Hydroxide alkalinity as CaCO3	U	ND	1.45	2.00	mg/L						
Volatile Organics											
5030/8260B TCL in Liquid											
1,1,1-Trichloroethane	U	ND	0.180	2.00	ug/L	1	JEB	02/16/01	0049	65214	25
1,1,2,2-Tetrachloroethane	U	ND	0.150	2.00	ug/L	1					
1,1,2-Trichloroethane	U	ND	0.110	2.00	ug/L	1					
1,1-Dichloroethane	U	ND	0.070	2.00	ug/L	1					
1,1-Dichloroethylene	U	ND	0.280	2.00	ug/L	1					
1,2-Dichloroethane	U	ND	0.140	2.00	ug/L	1					
1,2-Dichloroethylene (total)	U	ND	0.470	2.00	ug/L	1					
1,2-Dichloropropane	U	ND	0.160	2.00	ug/L	1					
2-Butanone	U	ND	0.810	10.0	ug/L	1					
2-Hexanone	U	ND	0.790	10.0	ug/L	1					
4-Methyl-2-pentanone	U	ND	0.700	10.0	ug/L	1					
Acetone	J	2.97	0.820	10.0	ug/L	1					
Benzene	U	ND	0.140	2.00	ug/L	1					
Bromodichloromethane	U	ND	0.150	2.00	ug/L	1					
Bromoform	U	ND	0.100	2.00	ug/L	1					
Bromomethane	U	ND	0.240	2.00	ug/L	1					
Carbon disulfide	U	ND	0.900	10.0	ug/L	1					
Carbon tetrachloride	U	ND	0.160	2.00	ug/L	1					
Chlorobenzene	U	ND	0.200	2.00	ug/L	1					
Chloroethane	U	ND	0.320	2.00	ug/L	1					
Chloroform	U	ND	0.170	2.00	ug/L	1					
Chloromethane	U	ND	0.210	2.00	ug/L	1					
Dibromochloromethane	U	ND	0.160	2.00	ug/L	1					
Ethylbenzene	U	ND	0.150	2.00	ug/L	1					
Methylene chloride	U	ND	0.630	5.00	ug/L	1					
Styrene	U	ND	0.150	2.00	ug/L	1					
Tetrachloroethylene	U	ND	0.210	2.00	ug/L	1					
Toluene	U	ND	0.220	2.00	ug/L	1					
Trichloroethylene	U	ND	0.160	2.00	ug/L	1					
Vinyl acetate	U	ND	0.440	10.0	ug/L	1					
Vinyl chloride	U	ND	0.260	2.00	ug/L	1					
Xylenes (total)	U	ND	0.440	6.00	ug/L	1					
cis-1,2-Dichloroethylene	U	ND	0.180	2.00	ug/L	1					

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Client ID: DELT002

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Volatile Organics											
5030/8260B TCL in Liquid											
cis-1,3-Dichloropropylene	U	ND	0.180	2.00	ug/L	1					
trans-1,2-Dichloroethylene	U	ND	0.310	2.00	ug/L	1					
trans-1,3-Dichloropropylene	U	ND	0.170	2.00	ug/L	1					
Wet Chemistry General											
EPA 110.2 Color											
Color		30.0	5.00	5.00	PCU	1	VH1	02/09/01	1644	64368	26
EPA 180.1 Turbidity											
Turbidity		3.14	0.100	0.200	NTU	1	VH1	02/09/01	1620	64370	27

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
EPA 160.2	EPA 160.2 Total Suspended Solids	TSM	02/12/01	1007	64448
EPA 335.3	EPA 335.3 Total Cyanide	TEMP	02/11/01	1802	64531
EPA 350.1	EPA 350.1 Ammonia Nitrogen Liquid	THL	02/14/01	1027	64939
EPA 350.2 Prep	EPA 350.1 Ammonia Nitrogen Prep	THL	02/13/01	1050	64745
EPA 365.4 Prep	EPA 365.4 Phosphorus, Total in liquid PR	CES1	02/12/01	2020	64640
SW846 3005A	ICP-MS 3005 PREP	KLD1	02/12/01	1415	64389
SW846 3005A	ICP-TRACE SW846 3005A	KLD1	02/12/01	1430	64388
SW846 3510C	3510C BNA Liq. Prep-8270C Analysis	EOC1	02/13/01	0900	64729
SW846 7470A	EPA 7470 Mercury Prep Liquid	ARD	02/13/01	1815	64403
SW846 8260B	8260B Volatiles In Liquid	JEB	02/16/01	0049	65214

The following Analytical Methods were performed

Method	Description
1	EPA 120.1
2	EPA 150.1
3	EPA 300.0
4	SW846 7470A
5	SW846 3005/6010B
6	SW846 6020
7	SW846 6020
8	EPA 405.1
9	DOE EML HASL 300
10	EPA 900.0

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Client ID: DELT002

Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
11	EPA 904.0									
12	EPA EERF App. B									
13	EPA 903.1									
14	EPA 335.3									
15	SW846 8270C									
16	EPA 160.1									
17	EPA 160.2									
18	EPA 410.4									
19	SW846 7196A									
20	EPA 415.1									
21	EPA 350.1									
22	EPA 365.4									
23	EPA 310.1									
24	SM 2320B									
25	SW846 8260B									
26	EPA 110.2									
27	EPA 180.1									

Surrogate recovery	Test	Recovery%	Acceptable Limits
2,4,6-Tribromophenol	3510/8270C TCL BNA Liquid	83%	(30%-116%)
2-Fluorobiphenyl	3510/8270C TCL BNA Liquid	83%	(29%-106%)
2-Fluorophenol	3510/8270C TCL BNA Liquid	46%	(23%-71%)
Nitrobenzene-d5	3510/8270C TCL BNA Liquid	83%	(25%-105%)
Phenol-d5	3510/8270C TCL BNA Liquid	30%	(10%-50%)
p-Terphenyl-d14	3510/8270C TCL BNA Liquid	80%	(18%-125%)
Bromofluorobenzene	5030/8260B TCL in Liquid	77%	(59%-129%)
Dibromofluoromethane	5030/8260B TCL in Liquid	82%	(66%-130%)
Toluene-d8	5030/8260B TCL in Liquid	83%	(64%-130%)

Notes:
The Qualifiers in this report are defined as follows :

** Indicates the analyte is a surrogate compound.
< Actual result is less than amount reported
> Actual result is greater than amount reported
J Indicates an estimated value. The result was greater than the detection limit, but less than the reporting limit.
U Indicates the compound was analyzed for but not detected above the detection limit

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Report Date: March 5, 2001

Contact: Rick Powell
Project: Containerboard Mill

Client Sample ID: Upstream
Sample ID: 37478001

Project: DELT00200
Client ID: DELT002

Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time	Batch	Method

The above sample is reported on an "as received" basis.

This data report has been prepared and reviewed in accordance with General Engineering Laboratories, Inc. standard operating procedures. Please direct any questions to your Project Manager, Jake Crook at (843) 556-8171 Ext. 4422.

Reviewed by

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Report Date: March 5, 2001

Contact: Rick Powell
Project: Containerboard Mill

Client Sample ID: Downstream/02
Sample ID: 37478002
Matrix: Ground Water
Collect Date: 08-FEB-01
Receive Date: 09-FEB-01
Collector: Client

Project: DELT00200
Client ID: DELT002

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Conductivity Analysis											
EPA120.1 Specific Conductivity											
Conductivity		159	1.00	1.00	umhos/cm	1	MOJ1	02/14/01	1000	64819	1
Electrode Analysis											
EPA 150.1 pH											
pH at Temp 23.5C		6.94	0.010	0.100	SU	1	VH1	02/09/01	1955	64373	2
Ion Chromatography											
EPA300.0 Sulfate in Liquid											
Bromide	U	ND	0.020	0.050	mg/L	1	KMR1	02/09/01	1523	64333	3
Chloride		17.6	0.025	0.100	mg/L	1					
Fluoride		0.101	0.014	0.050	mg/L	1					
Nitrate	U	ND	0.010	0.050	mg/L	1					
Nitrite	U	ND	0.009	0.050	mg/L	1					
Sulfate		18.4	0.062	0.200	mg/L	1					
Mercury Analysis											
7470 Cold Vapor Hg Liquid											
Mercury	U	ND	0.073	0.200	ug/L	1	AW2	02/14/01	1202	64918	4
Metals Analysis-ICP											
3005/6010 Silicon/Silica											
Calcium		12700	37.5	100	ug/L	1	HSC	02/13/01	1750	64688	5
Magnesium		3110	4.49	20.0	ug/L	1					
Potassium		2810	7.07	100	ug/L	1					
Silica		10300	28.4	213	ug/L	1					
Silicon		4880	13.3	100	ug/L	1					
Sodium		15800	8.13	100	ug/L	1					
Metals Analysis-ICPMS											
6020/3005 MIMICP SCAN Metals											
Antimony	J	0.148	0.111	2.00	ug/L	1	LAR	02/24/01	0120	64690	6
Arsenic	J	0.697	0.145	3.00	ug/L	1					
Barium		40.7	0.158	2.00	ug/L	1					
Beryllium	J	0.036	0.034	0.200	ug/L	1					
Cadmium	J	0.372	0.050	1.00	ug/L	1					
Chromium	J	1.98	0.645	3.00	ug/L	1					
Cobalt	J	0.668	0.018	1.00	ug/L	1					
Copper		1.25	0.593	1.00	ug/L	1					
Iron		785	7.92	25.0	ug/L	1					
Lead	J	0.828	0.077	2.00	ug/L	1					
Manganese		53.7	0.655	5.00	ug/L	1					
Nickel	J	1.40	0.072	2.00	ug/L	1					

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Certificate of Analysis

Company : Delta Environmental
Address : 6701 Carmel, Suite 303
Charlotte, NC 28226

Report Date: March 5, 2001

Contact: Rick Powell
Project: Containerboard Mill

Client Sample ID: Downstream/02
Sample ID: 37478002

Project: DELT00200
Client ID: DELT002

Parameter	Qualifier	Result		DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Metals Analysis-ICPMS												
6020/3005 MIMICP SCAN Metals												
Selenium	J	0.616		0.218	5.00	ug/L	1					
Silver	J	0.520		0.101	1.00	ug/L	1					
Strontium		103		0.020	10.0	ug/L	1					
Thallium		1.07		0.014	0.500	ug/L	1					
Vanadium	J	1.54		0.330	10.0	ug/L	1					
Zinc		10.1		0.974	10.0	ug/L	1					
Micro-biology												
EPA 405.1 BOD, 5DAY												
BOD, 5 DAY		6.53		2.00	4.00	mg/L		ES	02/09/01	1240	64286	8
Rad Alpha Spec												
Alphaspec U, liquid												
Uranium-233/234	U	ND	+/-0.022	0.201	1.00	pCi/L		TOH2	02/17/01	1603	64156	9
Uranium-235/236	U	ND	+/-0.022	0.201	1.00	pCi/L						
Uranium-238	U	ND	+/-0.0681	0.201	1.00	pCi/L						
Rad Gas Flow												
GFPC, Gross A/B, liquid												
Alpha		1.62	+/-1.15	1.50	1.50	pCi/L		NVN	02/14/01	1236	64469	10
Beta		4.40	+/-1.86	3.34	2.00	pCi/L						
GFPC, Ra228, liquid												
Radium-228	U	ND	+/-0.715	1.83	1.50	pCi/L		AS1	02/19/01	1034	64372	11
Rad Liquid Scint												
Liquid Scint Rn222, liquid												
Radon-222	U	ND	+/-25.3	47.3	200	pCi/L		AEA	02/10/01	1719	64374	12
Rad Radium-226												
Lucas Cell, Ra226, liquid												
Radium-226	U	ND	+/-0.383	0.574	1.00	pCi/L		RDD	02/27/01	1640	64619	13
Rapid Flow Analysis (Alpkem)												
EPA 335.3 Cyanide, Total												
Cyanide, Total	U	ND		2.76	5.00	ug/L	1	ADF	02/14/01	1054	64775	14
Semi-Volatiles-GC/MS												
3510/8270C TCL BNA Liquid												
1,2,4-Trichlorobenzene	U	ND		1.50	9.90	ug/L	1	JWF	02/14/01	1636	64856	15
1,2-Dichlorobenzene	U	ND		1.61	9.90	ug/L	1					
1,3-Dichlorobenzene	U	ND		1.50	9.90	ug/L	1					
1,4-Dichlorobenzene	U	ND		1.81	9.90	ug/L	1					
2,4,5-Trichlorophenol	U	ND		1.17	9.90	ug/L	1					
2,4,6-Trichlorophenol	U	ND		1.11	9.90	ug/L	1					
2,4-Dichlorophenol	U	ND		1.27	9.90	ug/L	1					

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Client Sample ID: Downstream/02
Sample ID: 37478002

Project: DELT00200
Client ID: DELT002

Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Semi-Volatiles-GC/MS										
3510/8270C TCL BNA Liquid										
2,4-Dimethylphenol	U	ND	1.28	9.90	ug/L	1				
2,4-Dinitrophenol	U	ND	1.35	19.8	ug/L	1				
2,4-Dinitrotoluene	U	ND	0.960	9.90	ug/L	1				
2,6-Dinitrotoluene	U	ND	1.08	9.90	ug/L	1				
2-Chloronaphthalene	U	ND	0.129	0.990	ug/L	1				
2-Chlorophenol	U	ND	1.23	9.90	ug/L	1				
2-Methyl-4,6-dinitrophenol	U	ND	0.960	9.90	ug/L	1				
2-Methylnaphthalene	U	ND	0.149	0.990	ug/L	1				
2-Nitrophenol	U	ND	1.32	9.90	ug/L	1				
3,3'-Dichlorobenzidine	U	ND	1.09	9.90	ug/L	1				
4-Bromophenylphenylether	U	ND	1.13	9.90	ug/L	1				
4-Chloro-3-methylphenol	U	ND	1.38	9.90	ug/L	1				
4-Chloroaniline	U	ND	2.48	9.90	ug/L	1				
4-Chlorophenylphenylether	U	ND	1.17	9.90	ug/L	1				
4-Nitrophenol	U	ND	0.178	9.90	ug/L	1				
Acenaphthene	U	ND	0.0693	0.990	ug/L	1				
Acenaphthylene	U	ND	0.099	0.990	ug/L	1				
Anthracene	U	ND	0.129	0.990	ug/L	1				
Benzo(a)anthracene	U	ND	0.099	0.990	ug/L	1				
Benzo(a)pyrene	U	ND	0.129	0.990	ug/L	1				
Benzo(b)fluoranthene	U	ND	0.129	0.990	ug/L	1				
Benzo(ghi)perylene	U	ND	0.0792	0.990	ug/L	1				
Benzo(k)fluoranthene	U	ND	0.228	0.990	ug/L	1				
Butylbenzylphthalate	U	ND	1.80	9.90	ug/L	1				
Carbazole	U	ND	1.25	9.90	ug/L	1				
Chrysene	U	ND	0.119	0.990	ug/L	1				
Di-n-butylphthalate	U	ND	1.80	9.90	ug/L	1				
Di-n-octylphthalate	U	ND	2.10	9.90	ug/L	1				
Dibenzo(a,h)anthracene	U	ND	0.099	0.990	ug/L	1				
Dibenzofuran	U	ND	0.980	9.90	ug/L	1				
Diethylphthalate	U	ND	1.22	9.90	ug/L	1				
Dimethylphthalate	U	ND	1.10	9.90	ug/L	1				
Diphenylamine	U	ND	1.01	9.90	ug/L	1				
Fluoranthene	U	ND	0.119	0.990	ug/L	1				
Fluorene	U	ND	0.119	0.990	ug/L	1				
Hexachlorobenzene	U	ND	1.06	9.90	ug/L	1				
Hexachlorobutadiene	U	ND	1.74	9.90	ug/L	1				
Hexachlorocyclopentadiene	U	ND	1.09	9.90	ug/L	1				
Hexachloroethane	U	ND	1.68	9.90	ug/L	1				
Indeno(1,2,3-cd)pyrene	U	ND	0.099	0.990	ug/L	1				
Isophorone	U	ND	1.11	9.90	ug/L	1				
N-Nitrosodipropylamine	U	ND	1.31	9.90	ug/L	1				

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Report Date: March 5, 2001

Contact: Rick Powell
Project: Containerboard Mill

Client Sample ID: Downstream/02
Sample ID: 37478002

Project: DELT00200
Client ID: DELT002

Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Semi-Volatiles-GC/MS										
3510/8270C TCL BNA Liquid										
Naphthalene	U	ND	0.119	0.990	ug/L	1				
Nitrobenzene	U	ND	1.41	9.90	ug/L	1				
Pentachlorophenol	U	ND	1.56	9.90	ug/L	1				
Phenanthrene	U	ND	0.119	0.990	ug/L	1				
Phenol	U	ND	0.832	9.90	ug/L	1				
Pyrene	U	ND	0.139	0.990	ug/L	1				
bis(2-Chloroethoxy)methane	U	ND	1.38	9.90	ug/L	1				
bis(2-Chloroethyl) ether	U	ND	1.39	9.90	ug/L	1				
bis(2-Chloroisopropyl)ether	U	ND	1.31	9.90	ug/L	1				
bis(2-Ethylhexyl)phthalate	U	ND	0.0396	0.990	ug/L	1				
m,p-Cresols	U	ND	1.06	9.90	ug/L	1				
m-Nitroaniline	U	ND	1.30	9.90	ug/L	1				
o-Cresol	U	ND	1.25	9.90	ug/L	1				
o-Nitroaniline	U	ND	2.07	9.90	ug/L	1				
p-Nitroaniline	U	ND	1.53	9.90	ug/L	1				
Solids Analysis										
EPA 160.1 Solids, Dissolved										
Total Dissolved Solids		121	5.09	10.0	mg/L		TSM 02/12/01	1302	64445	16
EPA 160.2 Total Suspended Liq										
Total Suspended Solids	J	5.50	0.874	6.25	mg/L		TSM 02/12/01	1007	64448	17
Spectrometric Analysis										
EPA 410.4 Chem. Oxygen Demand										
COD		27.4	1.74	5.00	mg/L	1	MOJ1 02/12/01	0820	64442	18
SW846_7196A Hexavalent Chromiu										
Hexavalent Chromium		0.250	0.010	0.020	mg/L	2	VH1 02/09/01	1730	64377	19
TOC Analysis										
EPA 415.1 Total Organic Carbon										
Total Organic Carbon		8.17	0.0406	0.200	mg/L	1	MS1 02/15/01	1941	65225	20
TRAACS Nutrient Analysis										
EPA 350.1 Nitrogen, Ammonia L										
Nitrogen, Ammonia	U	ND	0.0235	0.050	mg/L	1	THL 02/14/01	1027	64939	21
EPA 365.4 Phosphorus, Total in										
Phosphorus, Total as PO4	U	ND	0.0194	0.050	mg/L	1	THL 02/15/01	1317	65114	22
Titration Analysis										
EPA 310.1 Total Alkalinity										
Alkalinity, Total as CaCO3		37.8	1.45	2.00	mg/L		MOJ1 02/20/01	1140	65654	23
SM2320B Bicarbonates										
Bicarbonate alkalinity		37.8	1.45	2.00	mg/L		MOJ1 02/20/01	1140	65654	24

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Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Titration Analysis											
SM2320B Bicarbonates											
(CaCO3) Carbonate alkalinity	U	ND	1.45	2.00	mg/L						
(CaCO3) Hydroxide alkalinity as CaCO3	U	ND	1.45	2.00	mg/L						
Volatile Organics											
5030/8260B TCL in Liquid											
1,1,1-Trichloroethane	U	ND	0.180	2.00	ug/L	1	JEB	02/16/01	0116	65214	25
1,1,2,2-Tetrachloroethane	U	ND	0.150	2.00	ug/L	1					
1,1,2-Trichloroethane	U	ND	0.110	2.00	ug/L	1					
1,1-Dichloroethane	U	ND	0.070	2.00	ug/L	1					
1,1-Dichloroethylene	U	ND	0.280	2.00	ug/L	1					
1,2-Dichloroethane	U	ND	0.140	2.00	ug/L	1					
1,2-Dichloroethylene (total)	U	ND	0.470	2.00	ug/L	1					
1,2-Dichloropropane	U	ND	0.160	2.00	ug/L	1					
2-Butanone	U	ND	0.810	10.0	ug/L	1					
2-Hexanone	U	ND	0.790	10.0	ug/L	1					
4-Methyl-2-pentanone	U	ND	0.700	10.0	ug/L	1					
Acetone	J	2.96	0.820	10.0	ug/L	1					
Benzene	U	ND	0.140	2.00	ug/L	1					
Bromodichloromethane	U	ND	0.150	2.00	ug/L	1					
Bromoform	U	ND	0.100	2.00	ug/L	1					
Bromomethane	U	ND	0.240	2.00	ug/L	1					
Carbon disulfide	U	ND	0.900	10.0	ug/L	1					
Carbon tetrachloride	U	ND	0.160	2.00	ug/L	1					
Chlorobenzene	U	ND	0.200	2.00	ug/L	1					
Chloroethane	U	ND	0.320	2.00	ug/L	1					
Chloroform	U	ND	0.170	2.00	ug/L	1					
Chloromethane	U	ND	0.210	2.00	ug/L	1					
Dibromochloromethane	U	ND	0.160	2.00	ug/L	1					
Ethylbenzene	U	ND	0.150	2.00	ug/L	1					
Methylene chloride	U	ND	0.630	5.00	ug/L	1					
Styrene	U	ND	0.150	2.00	ug/L	1					
Tetrachloroethylene	U	ND	0.210	2.00	ug/L	1					
Toluene	U	ND	0.220	2.00	ug/L	1					
Trichloroethylene	U	ND	0.160	2.00	ug/L	1					
Vinyl acetate	U	ND	0.440	10.0	ug/L	1					
Vinyl chloride	U	ND	0.260	2.00	ug/L	1					
Xylenes (total)	U	ND	0.440	6.00	ug/L	1					
cis-1,2-Dichloroethylene	U	ND	0.180	2.00	ug/L	1					
cis-1,3-Dichloropropylene	U	ND	0.180	2.00	ug/L	1					

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Client ID: DELT002

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Volatile Organics											
5030/8260B TCL in Liquid											
trans-1,2-Dichloroethylene	U	ND	0.310	2.00	ug/L	1					
trans-1,3-Dichloropropylene	U	ND	0.170	2.00	ug/L	1					
Wet Chemistry General											
EPA 110.2 Color											
Color		30.0	5.00	5.00	PCU	1	VH1	02/09/01	1644	64368	26
EPA 180.1 Turbidity											
Turbidity		3.84	0.100	0.200	NTU	1	VH1	02/09/01	1620	64370	27

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
EPA 160.2	EPA 160.2 Total Suspended Solids	TSM	02/12/01	1007	64448
EPA 335.3	EPA 335.3 Total Cyanide	TEMP	02/11/01	1802	64531
EPA 350.1	EPA 350.1 Ammonia Nitrogen Liquid	THL	02/14/01	1027	64939
EPA 350.2 Prep	EPA 350.1 Ammonia Nitrogen Prep	THL	02/13/01	1050	64745
EPA 365.4 Prep	EPA 365.4 Phosphorus, Total in liquid PR	CES1	02/12/01	2020	64640
SW846 3005A	ICP-MS 3005 PREP	KLD1	02/12/01	1415	64389
SW846 3005A	ICP-TRACE SW846 3005A	KLD1	02/12/01	1430	64388
SW846 3510C	3510C BNA Liq. Prep-8270C Analysis	EOC1	02/13/01	0900	64729
SW846 7470A	EPA 7470 Mercury Prep Liquid	ARD	02/13/01	1815	64403
SW846 8260B	8260B Volatiles In Liquid	JEB	02/16/01	0116	65214

The following Analytical Methods were performed

Method	Description
1	EPA 120.1
2	EPA 150.1
3	EPA 300.0
4	SW846 7470A
5	SW846 3005/6010B
6	SW846 6020
7	SW846 6020
8	EPA 405.1
9	DOE EML HASL 300
10	EPA 900.0
11	EPA 904.0

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Sample ID: 37478002

Project: DELT00200
Client ID: DELT002

Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
12	EPA EERF App. B									
13	EPA 903.1									
14	EPA 335.3									
15	SW846 8270C									
16	EPA 160.1									
17	EPA 160.2									
18	EPA 410.4									
19	SW846 7196A									
20	EPA 415.1									
21	EPA 350.1									
22	EPA 365.4									
23	EPA 310.1									
24	SM 2320B									
25	SW846 8260B									
26	EPA 110.2									
27	EPA 180.1									

Surrogate recovery	Test	Recovery%	Acceptable Limits
2,4,6-Tribromophenol	3510/8270C TCL BNA Liquid	83%	(30%-116%)
2-Fluorobiphenyl	3510/8270C TCL BNA Liquid	76%	(29%-106%)
2-Fluorophenol	3510/8270C TCL BNA Liquid	38%	(23%-71%)
Nitrobenzene-d5	3510/8270C TCL BNA Liquid	74%	(25%-105%)
Phenol-d5	3510/8270C TCL BNA Liquid	25%	(10%-50%)
p-Terphenyl-d14	3510/8270C TCL BNA Liquid	85%	(18%-125%)
Bromofluorobenzene	5030/8260B TCL in Liquid	78%	(59%-129%)
Dibromofluoromethane	5030/8260B TCL in Liquid	83%	(66%-130%)
Toluene-d8	5030/8260B TCL in Liquid	82%	(64%-130%)

Notes:
The Qualifiers in this report are defined as follows :

** Indicates the analyte is a surrogate compound.
< Actual result is less than amount reported
> Actual result is greater than amount reported
J Indicates an estimated value. The result was greater than the detection limit, but less than the reporting limit.
U Indicates the compound was analyzed for but not detected above the detection limit

The above sample is reported on an "as received" basis.

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Report Date: March 5, 2001

Contact: Rick Powell
Project: Containerboard Mill

Client Sample ID: Downstream/02
Sample ID: 37478002

Proiect: DELT00200
Client ID: DELT002

Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time	Batch	Method

This data report has been prepared and reviewed in accordance with General Engineering Laboratories, Inc. standard operating procedures. Please direct any questions to your Project Manager, Jake Crook at (843) 556-8171 Ext. 4422.

Reviewed by

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Report Date: March 5, 2001

Contact: Rick Powell
Project: Containerboard Mill

Client Sample ID:	Downstream	Project:	DELT00200
Sample ID:	37478003	Client ID:	DELT002
Matrix:	Ground Water		
Collect Date:	08-FEB-01		
Receive Date:	09-FEB-01		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Conductivity Analysis											
EPA120.1 Specific Conductivity											
Conductivity		158	1.00	1.00	umhos/cm	1	MOJ1	02/14/01	1000	64819	1
Electrode Analysis											
EPA 150.1 pH											
pH at Temp 23.5C		7.07	0.010	0.100	SU	1	VH1	02/09/01	1955	64373	2
Ion Chromatography											
EPA300.0 Sulfate in Liquid											
Bromide	U	ND	0.020	0.050	mg/L	1	KMR1	02/09/01	1537	64333	3
Chloride		17.3	0.025	0.100	mg/L	1					
Fluoride		0.104	0.014	0.050	mg/L	1					
Nitrate	U	ND	0.010	0.050	mg/L	1					
Nitrite	U	ND	0.009	0.050	mg/L	1					
Sulfate		18.1	0.062	0.200	mg/L	1					
Mercury Analysis											
7470 Cold Vapor Hg Liquid											
Mercury	U	ND	0.073	0.200	ug/L	1	AW2	02/14/01	1204	64918	4
Metals Analysis-ICP											
3005/6010 Silicon/Silica											
Calcium		12100	37.5	100	ug/L	1	HSC	02/13/01	1757	64688	5
Magnesium		2890	4.49	20.0	ug/L	1					
Potassium		2570	7.07	100	ug/L	1					
Silica		9880	28.4	213	ug/L	1					
Silicon		4660	13.3	100	ug/L	1					
Sodium		14000	8.13	100	ug/L	1					
Metals Analysis-ICPMS											
6020/3005 MIMICP SCAN Metals											
Antimony	J	0.368	0.111	2.00	ug/L	1	LAR	02/24/01	0144	64690	6
Arsenic	J	0.474	0.145	3.00	ug/L	1					
Barium		41.7	0.158	2.00	ug/L	1					
Beryllium	U	ND	0.034	0.200	ug/L	1					
Cadmium	J	0.377	0.050	1.00	ug/L	1					
Chromium	J	1.74	0.645	3.00	ug/L	1					
Cobalt	J	0.642	0.018	1.00	ug/L	1					
Copper	J	0.826	0.593	1.00	ug/L	1					
Iron		794	7.92	25.0	ug/L	1					
Lead	J	0.625	0.077	2.00	ug/L	1					
Manganese		49.9	0.655	5.00	ug/L	1					
Nickel	J	1.45	0.072	2.00	ug/L	1					

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Certificate of Analysis

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Charlotte, NC 28226

Report Date: March 5, 2001

Contact: Rick Powell
Project: Containerboard Mill

Client Sample ID: Downstream
Sample ID: 37478003

Project: DELT00200
Client ID: DELT002

Parameter	Qualifier	Result		DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Metals Analysis-ICPMS												
6020/3005 MIMICP SCAN Metals												
Selenium	J	0.562		0.218	5.00	ug/L	1					
Silver	J	0.534		0.101	1.00	ug/L	1					
Strontium		106		0.020	10.0	ug/L	1					
Thallium	J	0.479		0.014	0.500	ug/L	1					
Vanadium	J	1.51		0.330	10.0	ug/L	1					
Zinc	J	4.92		0.974	10.0	ug/L	1					
Micro-biology												
EPA 405.1 BOD, 5DAY												
BOD, 5 DAY		5.24		2.00	4.00	mg/L		ES	02/09/01	1240	64286	8
Rad Alpha Spec												
Alphaspec U, liquid												
Uranium-233/234	U	ND	+/-0.0848	0.0896	1.00	pCi/L		TOH2	02/17/01	1603	64156	9
Uranium-235/236	U	ND	+/-2.00	0.0898	1.00	pCi/L						
Uranium-238	U	ND	+/-0.0615	0.158	1.00	pCi/L						
Rad Gas Flow												
GFPC, Gross A/B, liquid												
Alpha	U	ND	+/-0.962	1.93	1.50	pCi/L		NVN	02/14/01	1236	64469	10
Beta	U	ND	+/-1.91	4.15	2.00	pCi/L						
GFPC, Ra228, liquid												
Radium-228	U	ND	+/-0.779	1.65	1.50	pCi/L		AS1	02/19/01	1034	64372	11
Rad Liquid Scint												
Liquid Scint Rn222, liquid												
Radon-222	U	ND	+/-26.4	47.6	200	pCi/L		AEA	02/10/01	1751	64374	12
Rad Radium-226												
Lucas Cell, Ra226, liquid												
Radium-226	U	ND	+/-0.441	0.612	1.00	pCi/L		RDD	02/27/01	1640	64619	13
Rapid Flow Analysis (Alpkem)												
EPA 335.3 Cyanide, Total												
Cyanide, Total	U	ND		2.76	5.00	ug/L	1	ADF	02/14/01	1055	64775	14
Semi-Volatiles-GC/MS												
3510/8270C TCL BNA Liquid												
1,2,4-Trichlorobenzene	U	ND		1.46	9.62	ug/L	1	JWF	02/14/01	2012	64856	15
1,2-Dichlorobenzene	U	ND		1.57	9.62	ug/L	1					
1,3-Dichlorobenzene	U	ND		1.45	9.62	ug/L	1					
1,4-Dichlorobenzene	U	ND		1.76	9.62	ug/L	1					
2,4,5-Trichlorophenol	U	ND		1.13	9.62	ug/L	1					
2,4,6-Trichlorophenol	U	ND		1.08	9.62	ug/L	1					
2,4-Dichlorophenol	U	ND		1.23	9.62	ug/L	1					

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Sample ID: 37478003

Project: DELT00200
Client ID: DELT002

Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Semi-Volatiles-GC/MS										
3510/8270C TCL BNA Liquid										
2,4-Dimethylphenol	U	ND	1.24	9.62	ug/L	1				
2,4-Dinitrophenol	U	ND	1.31	19.2	ug/L	1				
2,4-Dinitrotoluene	U	ND	0.933	9.62	ug/L	1				
2,6-Dinitrotoluene	U	ND	1.05	9.62	ug/L	1				
2-Chloronaphthalene	U	ND	0.125	0.962	ug/L	1				
2-Chlorophenol	U	ND	1.19	9.62	ug/L	1				
2-Methyl-4,6-dinitrophenol	U	ND	0.933	9.62	ug/L	1				
2-Methylnaphthalene	U	ND	0.144	0.962	ug/L	1				
2-Nitrophenol	U	ND	1.28	9.62	ug/L	1				
3,3'-Dichlorobenzidine	U	ND	1.06	9.62	ug/L	1				
4-Bromophenylphenylether	U	ND	1.10	9.62	ug/L	1				
4-Chloro-3-methylphenol	U	ND	1.34	9.62	ug/L	1				
4-Chloroaniline	U	ND	2.40	9.62	ug/L	1				
4-Chlorophenylphenylether	U	ND	1.13	9.62	ug/L	1				
4-Nitrophenol	U	ND	0.173	9.62	ug/L	1				
Acenaphthene	U	ND	0.0673	0.962	ug/L	1				
Acenaphthylene	U	ND	0.0962	0.962	ug/L	1				
Anthracene	U	ND	0.125	0.962	ug/L	1				
Benzo(a)anthracene	U	ND	0.0962	0.962	ug/L	1				
Benzo(a)pyrene	U	ND	0.125	0.962	ug/L	1				
Benzo(b)fluoranthene	U	ND	0.125	0.962	ug/L	1				
Benzo(ghi)perylene	U	ND	0.0769	0.962	ug/L	1				
Benzo(k)fluoranthene	U	ND	0.221	0.962	ug/L	1				
Butylbenzylphthalate	U	ND	1.75	9.62	ug/L	1				
Carbazole	U	ND	1.21	9.62	ug/L	1				
Chrysene	U	ND	0.115	0.962	ug/L	1				
Di-n-butylphthalate	U	ND	1.75	9.62	ug/L	1				
Di-n-octylphthalate	U	ND	2.04	9.62	ug/L	1				
Dibenzo(a,h)anthracene	U	ND	0.0962	0.962	ug/L	1				
Dibenzofuran	U	ND	0.952	9.62	ug/L	1				
Diethylphthalate	U	ND	1.18	9.62	ug/L	1				
Dimethylphthalate	U	ND	1.07	9.62	ug/L	1				
Diphenylamine	U	ND	0.981	9.62	ug/L	1				
Fluoranthene	U	ND	0.115	0.962	ug/L	1				
Fluorene	U	ND	0.115	0.962	ug/L	1				
Hexachlorobenzene	U	ND	1.03	9.62	ug/L	1				
Hexachlorobutadiene	U	ND	1.69	9.62	ug/L	1				
Hexachlorocyclopentadiene	U	ND	1.06	9.62	ug/L	1				
Hexachloroethane	U	ND	1.63	9.62	ug/L	1				
Indeno(1,2,3-cd)pyrene	U	ND	0.0962	0.962	ug/L	1				
Isophorone	U	ND	1.08	9.62	ug/L	1				
N-Nitrosodipropylamine	U	ND	1.27	9.62	ug/L	1				

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Report Date: March 5, 2001

Contact: Rick Powell
Project: Containerboard Mill

Client Sample ID: Downstream
Sample ID: 37478003

Project: DELT00200
Client ID: DELT002

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Semi-Volatiles-GC/MS											
3510/8270C TCL BNA Liquid											
Naphthalene	U	ND	0.115	0.962	ug/L	1					
Nitrobenzene	U	ND	1.37	9.62	ug/L	1					
Pentachlorophenol	U	ND	1.52	9.62	ug/L	1					
Phenanthrene	U	ND	0.115	0.962	ug/L	1					
Phenol	U	ND	0.808	9.62	ug/L	1					
Pyrene	U	ND	0.135	0.962	ug/L	1					
bis(2-Chloroethoxy)methane	U	ND	1.34	9.62	ug/L	1					
bis(2-Chloroethyl) ether	U	ND	1.35	9.62	ug/L	1					
bis(2-Chloroisopropyl)ether	U	ND	1.27	9.62	ug/L	1					
bis(2-Ethylhexyl)phthalate	U	ND	0.0385	0.962	ug/L	1					
m,p-Cresols	U	ND	1.03	9.62	ug/L	1					
m-Nitroaniline	U	ND	1.26	9.62	ug/L	1					
o-Cresol	U	ND	1.21	9.62	ug/L	1					
o-Nitroaniline	U	ND	2.01	9.62	ug/L	1					
p-Nitroaniline	U	ND	1.49	9.62	ug/L	1					
Solids Analysis											
EPA 160.1 Solids, Dissolved											
Total Dissolved Solids		121	5.09	10.0	mg/L		TSM	02/12/01	1302	64445	16
EPA 160.2 Total Suspended Liq											
Total Suspended Solids	J	6.00	0.874	6.25	mg/L		TSM	02/12/01	1007	64448	17
Spectrometric Analysis											
EPA 410.4 Chem. Oxygen Demand											
COD		28.8	1.74	5.00	mg/L	1	MOJ1	02/12/01	0820	64442	18
SW846_7196A Hexavalent Chromiu											
Hexavalent Chromium		0.115	0.005	0.010	mg/L	1	VH1	02/09/01	1730	64377	19
TOC Analysis											
EPA 415.1 Total Organic Carbon											
Total Organic Carbon		8.53	0.0406	0.200	mg/L	1	MS1	02/15/01	1957	65225	20
TRAACS Nutrient Analysis											
EPA 350.1 Nitrogen, Ammonia L											
Nitrogen, Ammonia	U	ND	0.0235	0.050	mg/L	1	THL	02/14/01	1027	64939	21
EPA 365.4 Phosphorus, Total in											
Phosphorus, Total as PO4	U	ND	0.0194	0.050	mg/L	1	THL	02/15/01	1317	65114	22
Titration Analysis											
EPA 310.1 Total Alkalinity											
Alkalinity, Total as CaCO3		36.8	1.45	2.00	mg/L		MOJ1	02/20/01	1140	65654	23
SM2320B Bicarbonates											
Bicarbonate alkalinity		36.8	1.45	2.00	mg/L		MOJ1	02/20/01	1140	65654	24

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Client Sample ID: Downstream
Sample ID: 37478003

Proiect: DELT00200
Client ID: DELT002

Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Titration Analysis										
SM2320B Bicarbonates										
(CaCO3)										
Carbonate alkalinity (CaCO3)	U	ND	1.45	2.00	mg/L					
Hydroxide alkalinity as CaCO3	U	ND	1.45	2.00	mg/L					
Volatile Organics										
5030/8260B TCL in Liquid										
1,1,1-Trichloroethane	U	ND	0.180	2.00	ug/L	1	JEB 02/16/01	0143	65214	25
1,1,2,2-Tetrachloroethane	U	ND	0.150	2.00	ug/L	1				
1,1,2-Trichloroethane	U	ND	0.110	2.00	ug/L	1				
1,1-Dichloroethane	U	ND	0.070	2.00	ug/L	1				
1,1-Dichloroethylene	U	ND	0.280	2.00	ug/L	1				
1,2-Dichloroethane	U	ND	0.140	2.00	ug/L	1				
1,2-Dichloroethylene (total)	U	ND	0.470	2.00	ug/L	1				
1,2-Dichloropropane	U	ND	0.160	2.00	ug/L	1				
2-Butanone	U	ND	0.810	10.0	ug/L	1				
2-Hexanone	U	ND	0.790	10.0	ug/L	1				
4-Methyl-2-pentanone	U	ND	0.700	10.0	ug/L	1				
Acetone	J	3.13	0.820	10.0	ug/L	1				
Benzene	U	ND	0.140	2.00	ug/L	1				
Bromodichloromethane	U	ND	0.150	2.00	ug/L	1				
Bromoform	U	ND	0.100	2.00	ug/L	1				
Bromomethane	U	ND	0.240	2.00	ug/L	1				
Carbon disulfide	U	ND	0.900	10.0	ug/L	1				
Carbon tetrachloride	U	ND	0.160	2.00	ug/L	1				
Chlorobenzene	U	ND	0.200	2.00	ug/L	1				
Chloroethane	U	ND	0.320	2.00	ug/L	1				
Chloroform	U	ND	0.170	2.00	ug/L	1				
Chloromethane	U	ND	0.210	2.00	ug/L	1				
Dibromochloromethane	U	ND	0.160	2.00	ug/L	1				
Ethylbenzene	U	ND	0.150	2.00	ug/L	1				
Methylene chloride	U	ND	0.630	5.00	ug/L	1				
Styrene	U	ND	0.150	2.00	ug/L	1				
Tetrachloroethylene	U	ND	0.210	2.00	ug/L	1				
Toluene	U	ND	0.220	2.00	ug/L	1				
Trichloroethylene	U	ND	0.160	2.00	ug/L	1				
Vinyl acetate	U	ND	0.440	10.0	ug/L	1				
Vinyl chloride	U	ND	0.260	2.00	ug/L	1				
Xylenes (total)	U	ND	0.440	6.00	ug/L	1				
cis-1,2-Dichloroethylene	U	ND	0.180	2.00	ug/L	1				
cis-1,3-Dichloropropylene	U	ND	0.180	2.00	ug/L	1				

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Client Sample ID: Downstream
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Project: DELT00200
Client ID: DELT002

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Volatile Organics											
5030/8260B TCL in Liquid											
trans-1,2-Dichloroethylene	U	ND	0.310	2.00	ug/L	1					
trans-1,3-Dichloropropylene	U	ND	0.170	2.00	ug/L	1					
Wet Chemistry General											
EPA 110.2 Color											
Color		35.0	5.00	5.00	PCU	1	VH1	02/09/01	1644	64368	26
EPA 180.1 Turbidity											
Turbidity		4.71	0.100	0.200	NTU	1	VH1	02/09/01	1620	64370	27

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
EPA 160.2	EPA 160.2 Total Suspended Solids	TSM	02/12/01	1007	64448
EPA 335.3	EPA 335.3 Total Cyanide	TEMP	02/11/01	1802	64531
EPA 350.1	EPA 350.1 Ammonia Nitrogen Liquid	THL	02/14/01	1027	64939
EPA 350.2 Prep	EPA 350.1 Ammonia Nitrogen Prep	THL	02/13/01	1050	64745
EPA 365.4 Prep	EPA 365.4 Phosphorus, Total in liquid PR	CES1	02/12/01	2020	64640
SW846 3005A	ICP-MS 3005 PREP	KLD1	02/12/01	1415	64389
SW846 3005A	ICP-TRACE SW846 3005A	KLD1	02/12/01	1430	64388
SW846 3510C	3510C BNA Liq. Prep-8270C Analysis	EOC1	02/13/01	0900	64729
SW846 7470A	EPA 7470 Mercury Prep Liquid	ARD	02/13/01	1815	64403
SW846 8260B	8260B Volatiles In Liquid	JEB	02/16/01	0143	65214

The following Analytical Methods were performed

Method	Description
1	EPA 120.1
2	EPA 150.1
3	EPA 300.0
4	SW846 7470A
5	SW846 3005/6010B
6	SW846 6020
7	SW846 6020
8	EPA 405.1
9	DOE EML HASL 300
10	EPA 900.0
11	EPA 904.0

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Client ID: DELT002

Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
12	EPA EERF App. B									
13	EPA 903.1									
14	EPA 335.3									
15	SW846 8270C									
16	EPA 160.1									
17	EPA 160.2									
18	EPA 410.4									
19	SW846 7196A									
20	EPA 415.1									
21	EPA 350.1									
22	EPA 365.4									
23	EPA 310.1									
24	SM 2320B									
25	SW846 8260B									
26	EPA 110.2									
27	EPA 180.1									

Surrogate recovery	Test	Recovery%	Acceptable Limits
2,4,6-Tribromophenol	3510/8270C TCL BNA Liquid	87%	(30%-116%)
2-Fluorobiphenyl	3510/8270C TCL BNA Liquid	78%	(29%-106%)
2-Fluorophenol	3510/8270C TCL BNA Liquid	37%	(23%-71%)
Nitrobenzene-d5	3510/8270C TCL BNA Liquid	73%	(25%-105%)
Phenol-d5	3510/8270C TCL BNA Liquid	25%	(10%-50%)
p-Terphenyl-d14	3510/8270C TCL BNA Liquid	89%	(18%-125%)
Bromofluorobenzene	5030/8260B TCL in Liquid	79%	(59%-129%)
Dibromofluoromethane	5030/8260B TCL in Liquid	83%	(66%-130%)
Toluene-d8	5030/8260B TCL in Liquid	83%	(64%-130%)

Notes:
The Qualifiers in this report are defined as follows :

** Indicates the analyte is a surrogate compound.
< Actual result is less than amount reported
> Actual result is greater than amount reported
J Indicates an estimated value. The result was greater than the detection limit, but less than the reporting limit.
U Indicates the compound was analyzed for but not detected above the detection limit

The above sample is reported on an "as received" basis.

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Client Sample ID: Downstream
Sample ID: 37478003

Project: DELT00200
Client ID: DELT002

Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time	Batch	Method

This data report has been prepared and reviewed in accordance with General Engineering Laboratories, Inc. standard operating procedures. Please direct any questions to your Project Manager, Jake Crook at (843) 556-8171 Ext. 4422.

Reviewed by

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Report Date: March 5, 2001

Contact: Rick Powell
Project: Containerboard Mill

Client Sample ID:	Upstream Filtered	Project:	DELT00200
Sample ID:	37478004	Client ID:	DELT002
Matrix:	Ground Water		
Collect Date:	08-FEB-01		
Receive Date:	09-FEB-01		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Metals Analysis-ICP											
3005/6010 Silicon/Silica											
Calcium		12100	37.5	100	ug/L	1	HSC	02/13/01	1803	64688	1
Magnesium		2360	4.49	20.0	ug/L	1					
Potassium		1950	7.07	100	ug/L	1					
Silica		12200	28.4	213	ug/L	1					
Silicon		5740	13.3	100	ug/L	1					
Sodium		7020	8.13	100	ug/L	1					
Metals Analysis-ICPMS											
6020/3005 MIMICP SCAN Metals											
Antimony	U	ND	0.111	2.00	ug/L	1	LAR	02/24/01	0152	64690	2
Arsenic	J	0.602	0.145	3.00	ug/L	1					
Barium		43.1	0.158	2.00	ug/L	1					
Beryllium	J	0.043	0.034	0.200	ug/L	1					
Cadmium	J	0.360	0.050	1.00	ug/L	1					
Chromium	J	1.37	0.645	3.00	ug/L	1					
Cobalt		1.06	0.018	1.00	ug/L	1					
Copper		1.92	0.593	1.00	ug/L	1					
Iron		857	7.92	25.0	ug/L	1					
Lead	J	0.579	0.077	2.00	ug/L	1					
Manganese		36.0	0.655	5.00	ug/L	1					
Nickel	J	1.41	0.072	2.00	ug/L	1					
Selenium	J	0.338	0.218	5.00	ug/L	1					
Silver	J	0.521	0.101	1.00	ug/L	1					
Strontium		108	0.020	10.0	ug/L	1					
Thallium	J	0.446	0.014	0.500	ug/L	1					
Vanadium	U	ND	0.330	10.0	ug/L	1					
Zinc	J	4.55	0.974	10.0	ug/L	1					
TOC Analysis											
EPA 415.1 Diss.Org.Carbon Liq											
Diss. Org. Carbon		17.0	0.0406	0.200	mg/L	1	MS1	02/19/01	2143	65619	4

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005 PREP	KLD1	02/12/01	1415	64389
SW846 3005A	ICP-TRACE SW846 3005A	KLD1	02/12/01	1430	64388

The following Analytical Methods were performed

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Certificate of Analysis

Company : Delta Environmental
Address : 6701 Carmel, Suite 303
Charlotte, NC 28226

Report Date: March 5, 2001

Contact: Rick Powell
Project: Containerboard Mill

Client Sample ID: Upstream Filtered
Sample ID: 37478004

Project: DELT00200
Client ID: DELT002

Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time	Batch	Method

The following Analytical Methods were performed

Method	Description
1	SW846 3005/6010B
2	SW846 6020
3	SW846 6020
4	EPA 415.1

Notes:
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Company : Delta Environmental
Address : 6701 Carmel, Suite 303
Charlotte, NC 28226

Report Date: March 5, 2001

Contact: Rick Powell
Project: Containerboard Mill

Client Sample ID:	Downstream Filtered/02	Project:	DELT00200
Sample ID:	37478005	Client ID:	DELT002
Matrix:	Ground Water		
Collect Date:	08-FEB-01		
Receive Date:	09-FEB-01		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Metals Analysis-ICP											
3005/6010 Silicon/Silica											
Calcium		12100	37.5	100	ug/L	1	HSC	02/13/01	1810	64688	1
Magnesium		3000	4.49	20.0	ug/L	1					
Potassium		3070	7.07	100	ug/L	1					
Silica		9550	28.4	213	ug/L	1					
Silicon		4510	13.3	100	ug/L	1					
Sodium		13800	8.13	100	ug/L	1					
Metals Analysis-ICPMS											
6020/3005 MIMICP SCAN Metals											
Antimony	J	0.149	0.111	2.00	ug/L	1	LAR	02/24/01	0200	64690	2
Arsenic	J	1.12	0.145	3.00	ug/L	1					
Barium		42.2	0.158	2.00	ug/L	1					
Beryllium	J	0.038	0.034	0.200	ug/L	1					
Cadmium	J	0.371	0.050	1.00	ug/L	1					
Chromium	J	2.04	0.645	3.00	ug/L	1					
Cobalt	J	0.663	0.018	1.00	ug/L	1					
Copper	J	0.968	0.593	1.00	ug/L	1					
Iron		796	7.92	25.0	ug/L	1					
Lead	J	1.07	0.077	2.00	ug/L	1					
Manganese		52.4	0.655	5.00	ug/L	1					
Nickel	J	1.45	0.072	2.00	ug/L	1					
Selenium	J	0.468	0.218	5.00	ug/L	1					
Silver	J	0.515	0.101	1.00	ug/L	1					
Strontium		104	0.020	10.0	ug/L	1					
Thallium	J	0.435	0.014	0.500	ug/L	1					
Vanadium	J	2.07	0.330	10.0	ug/L	1					
Zinc	J	5.40	0.974	10.0	ug/L	1					
TOC Analysis											
EPA 415.1 Diss.Org.Carbon Liq											
Diss. Org. Carbon		8.18	0.0406	0.200	mg/L	1	MS1	02/19/01	2159	65619	4

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005 PREP	KLD1	02/12/01	1415	64389
SW846 3005A	ICP-TRACE SW846 3005A	KLD1	02/12/01	1430	64388

The following Analytical Methods were performed

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Company : Delta Environmental
Address : 6701 Carmel, Suite 303
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Report Date: March 5, 2001

Contact: Rick Powell
Project: Containerboard Mill

Client Sample ID: Downstream Filtered/02
Sample ID: 37478005

Project: DELT00200
Client ID: DELT002

Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time	Batch	Method

The following Analytical Methods were performed

Method	Description
1	SW846 3005/6010B
2	SW846 6020
3	SW846 6020
4	EPA 415.1

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Report Date: March 5, 2001

Contact: Rick Powell
Project: Containerboard Mill

Client Sample ID:	Downstream Filtered	Project:	DELT00200
Sample ID:	37478006	Client ID:	DELT002
Matrix:	Ground Water		
Collect Date:	08-FEB-01		
Receive Date:	09-FEB-01		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Metals Analysis-ICP											
3005/6010 Silicon/Silica											
Calcium		12600	37.5	100	ug/L	1	HSC	02/13/01	1816	64688	1
Magnesium		3020	4.49	20.0	ug/L	1					
Potassium		2970	7.07	100	ug/L	1					
Silica		9690	28.4	213	ug/L	1					
Silicon		4580	13.3	100	ug/L	1					
Sodium		12800	8.13	100	ug/L	1					
Metals Analysis-ICPMS											
6020/3005 MIMICP SCAN Metals											
Antimony	J	0.172	0.111	2.00	ug/L	1	LAR	02/24/01	0208	64690	2
Arsenic	J	0.446	0.145	3.00	ug/L	1					
Barium		41.9	0.158	2.00	ug/L	1					
Beryllium	J	0.036	0.034	0.200	ug/L	1					
Cadmium	J	0.358	0.050	1.00	ug/L	1					
Chromium	J	2.02	0.645	3.00	ug/L	1					
Cobalt	J	0.693	0.018	1.00	ug/L	1					
Copper	J	0.843	0.593	1.00	ug/L	1					
Iron		840	7.92	25.0	ug/L	1					
Lead	J	0.674	0.077	2.00	ug/L	1					
Manganese		53.7	0.655	5.00	ug/L	1					
Nickel	J	1.44	0.072	2.00	ug/L	1					
Selenium	J	0.382	0.218	5.00	ug/L	1					
Silver	J	0.514	0.101	1.00	ug/L	1					
Strontium		105	0.020	10.0	ug/L	1					
Thallium	J	0.425	0.014	0.500	ug/L	1					
Vanadium	J	0.517	0.330	10.0	ug/L	1					
Zinc		11.1	0.974	10.0	ug/L	1					
TOC Analysis											
EPA 415.1 Diss.Org.Carbon Liq											
Diss. Org. Carbon		12.9	0.0406	0.200	mg/L	1	MS1	02/19/01	2215	65619	4

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005 PREP	KLD1	02/12/01	1415	64389
SW846 3005A	ICP-TRACE SW846 3005A	KLD1	02/12/01	1430	64388

The following Analytical Methods were performed

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Company : Delta Environmental
Address : 6701 Carmel, Suite 303
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Report Date: March 5, 2001

Contact: Rick Powell
Project: Containerboard Mill

Client Sample ID: Downstream Filtered
Sample ID: 37478006

Project: DELT00200
Client ID: DELT002

Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time	Batch	Method

The following Analytical Methods were performed

Method	Description
1	SW846 3005/6010B
2	SW846 6020
3	SW846 6020
4	EPA 415.1

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Company : Delta Environmental
Address : 6701 Carmel, Suite 303
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Report Date: March 5, 2001

Contact: Rick Powell
Project: Containerboard Mill

Client Sample ID:	Downstream/03	Project:	DELT00200
Sample ID:	37478007	Client ID:	DELT002
Matrix:	Ground Water		
Collect Date:	08-FEB-01		
Receive Date:	09-FEB-01		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Volatile Organics											
5030/8260B TCL in Liquid											
1,1,1-Trichloroethane	U	ND	0.180	2.00	ug/L	1	JEB	02/16/01	0210	65214	1
1,1,2,2-Tetrachloroethane	U	ND	0.150	2.00	ug/L	1					
1,1,2-Trichloroethane	U	ND	0.110	2.00	ug/L	1					
1,1-Dichloroethane	U	ND	0.070	2.00	ug/L	1					
1,1-Dichloroethylene	U	ND	0.280	2.00	ug/L	1					
1,2-Dichloroethane	U	ND	0.140	2.00	ug/L	1					
1,2-Dichloroethylene (total)	U	ND	0.470	2.00	ug/L	1					
1,2-Dichloropropane	U	ND	0.160	2.00	ug/L	1					
2-Butanone	U	ND	0.810	10.0	ug/L	1					
2-Hexanone	U	ND	0.790	10.0	ug/L	1					
4-Methyl-2-pentanone	U	ND	0.700	10.0	ug/L	1					
Acetone	J	3.25	0.820	10.0	ug/L	1					
Benzene	U	ND	0.140	2.00	ug/L	1					
Bromodichloromethane	U	ND	0.150	2.00	ug/L	1					
Bromoform	U	ND	0.100	2.00	ug/L	1					
Bromomethane	U	ND	0.240	2.00	ug/L	1					
Carbon disulfide	U	ND	0.900	10.0	ug/L	1					
Carbon tetrachloride	U	ND	0.160	2.00	ug/L	1					
Chlorobenzene	U	ND	0.200	2.00	ug/L	1					
Chloroethane	U	ND	0.320	2.00	ug/L	1					
Chloroform	U	ND	0.170	2.00	ug/L	1					
Chloromethane	U	ND	0.210	2.00	ug/L	1					
Dibromochloromethane	U	ND	0.160	2.00	ug/L	1					
Ethylbenzene	U	ND	0.150	2.00	ug/L	1					
Methylene chloride	U	ND	0.630	5.00	ug/L	1					
Styrene	U	ND	0.150	2.00	ug/L	1					
Tetrachloroethylene	U	ND	0.210	2.00	ug/L	1					
Toluene	U	ND	0.220	2.00	ug/L	1					
Trichloroethylene	U	ND	0.160	2.00	ug/L	1					
Vinyl acetate	U	ND	0.440	10.0	ug/L	1					
Vinyl chloride	U	ND	0.260	2.00	ug/L	1					
Xylenes (total)	U	ND	0.440	6.00	ug/L	1					
cis-1,2-Dichloroethylene	U	ND	0.180	2.00	ug/L	1					
cis-1,3-Dichloropropylene	U	ND	0.180	2.00	ug/L	1					
trans-1,2-Dichloroethylene	U	ND	0.310	2.00	ug/L	1					
trans-1,3-Dichloropropylene	U	ND	0.170	2.00	ug/L	1					

The following Prep Methods were performed

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Company : Delta Environmental
Address : 6701 Carmel, Suite 303
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Report Date: March 5, 2001

Contact: Rick Powell
Project: Containerboard Mill

Client Sample ID: Downstream/03
Sample ID: 37478007

Project: DELT00200
Client ID: DELT002

Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time	Batch	Method

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
SW846 8260B	8260B Volatiles In Liquid	JEB	02/16/01	0210	65214

The following Analytical Methods were performed

Method	Description
1	SW846 8260B

Surrogate recovery	Test	Recovery%	Acceptable Limits
Bromofluorobenzene	5030/8260B TCL in Liquid	78%	(59%-129%)
Dibromofluoromethane	5030/8260B TCL in Liquid	84%	(66%-130%)
Toluene-d8	5030/8260B TCL in Liquid	83%	(64%-130%)

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Company : Delta Environmental
Address : 6701 Carmel, Suite 303
Charlotte, NC 28226

Report Date: March 5, 2001

Contact: Rick Powell
Project: Containerboard Mill

Client Sample ID:	Downstream/04	Project:	DELT00200
Sample ID:	37478008	Client ID:	DELT002
Matrix:	Ground Water		
Collect Date:	08-FEB-01		
Receive Date:	09-FEB-01		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Volatile Organics											
5030/8260B TCL in Liquid											
1,1,1-Trichloroethane	U	ND	0.180	2.00	ug/L	1	JEB	02/16/01	0238	65214	1
1,1,2,2-Tetrachloroethane	U	ND	0.150	2.00	ug/L	1					
1,1,2-Trichloroethane	U	ND	0.110	2.00	ug/L	1					
1,1-Dichloroethane	U	ND	0.070	2.00	ug/L	1					
1,1-Dichloroethylene	U	ND	0.280	2.00	ug/L	1					
1,2-Dichloroethane	U	ND	0.140	2.00	ug/L	1					
1,2-Dichloroethylene (total)	U	ND	0.470	2.00	ug/L	1					
1,2-Dichloropropane	U	ND	0.160	2.00	ug/L	1					
2-Butanone	U	ND	0.810	10.0	ug/L	1					
2-Hexanone	U	ND	0.790	10.0	ug/L	1					
4-Methyl-2-pentanone	U	ND	0.700	10.0	ug/L	1					
Acetone	J	3.18	0.820	10.0	ug/L	1					
Benzene	U	ND	0.140	2.00	ug/L	1					
Bromodichloromethane	U	ND	0.150	2.00	ug/L	1					
Bromoform	U	ND	0.100	2.00	ug/L	1					
Bromomethane	U	ND	0.240	2.00	ug/L	1					
Carbon disulfide	U	ND	0.900	10.0	ug/L	1					
Carbon tetrachloride	U	ND	0.160	2.00	ug/L	1					
Chlorobenzene	U	ND	0.200	2.00	ug/L	1					
Chloroethane	U	ND	0.320	2.00	ug/L	1					
Chloroform	U	ND	0.170	2.00	ug/L	1					
Chloromethane	U	ND	0.210	2.00	ug/L	1					
Dibromochloromethane	U	ND	0.160	2.00	ug/L	1					
Ethylbenzene	U	ND	0.150	2.00	ug/L	1					
Methylene chloride	U	ND	0.630	5.00	ug/L	1					
Styrene	U	ND	0.150	2.00	ug/L	1					
Tetrachloroethylene	U	ND	0.210	2.00	ug/L	1					
Toluene	U	ND	0.220	2.00	ug/L	1					
Trichloroethylene	U	ND	0.160	2.00	ug/L	1					
Vinyl acetate	U	ND	0.440	10.0	ug/L	1					
Vinyl chloride	U	ND	0.260	2.00	ug/L	1					
Xylenes (total)	U	ND	0.440	6.00	ug/L	1					
cis-1,2-Dichloroethylene	U	ND	0.180	2.00	ug/L	1					
cis-1,3-Dichloropropylene	U	ND	0.180	2.00	ug/L	1					
trans-1,2-Dichloroethylene	U	ND	0.310	2.00	ug/L	1					
trans-1,3-Dichloropropylene	U	ND	0.170	2.00	ug/L	1					

The following Prep Methods were performed

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Company : Delta Environmental
Address : 6701 Carmel, Suite 303
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Report Date: March 5, 2001

Contact: Rick Powell
Project: Containerboard Mill

Client Sample ID: Downstream/04
Sample ID: 37478008

Project: DELT00200
Client ID: DELT002

Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time	Batch	Method

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
SW846 8260B	8260B Volatiles In Liquid	JEB	02/16/01	0238	65214

The following Analytical Methods were performed

Method	Description
1	SW846 8260B

Surrogate recovery	Test	Recovery%	Acceptable Limits
Bromofluorobenzene	5030/8260B TCL in Liquid	77%	(59%-129%)
Dibromofluoromethane	5030/8260B TCL in Liquid	83%	(66%-130%)
Toluene-d8	5030/8260B TCL in Liquid	82%	(64%-130%)

Notes:
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Company : Delta Environmental
Address : 6701 Carmel, Suite 303
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Report Date: March 5, 2001

Contact: Rick Powell
Project: Containerboard Mill

Client Sample ID: Trip Blank
Sample ID: 37478009
Matrix: Ground Water
Collect Date: 08-FEB-01
Receive Date: 09-FEB-01
Collector: Client

Project: DELT00200
Client ID: DELT002

Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Volatile Organics										
5030/8260B TCL in Liquid										
1,1,1-Trichloroethane	U	ND	0.180	2.00	ug/L	1	JEB 02/16/01	0305	65214	1
1,1,2,2-Tetrachloroethane	U	ND	0.150	2.00	ug/L	1				
1,1,2-Trichloroethane	U	ND	0.110	2.00	ug/L	1				
1,1-Dichloroethane	U	ND	0.070	2.00	ug/L	1				
1,1-Dichloroethylene	U	ND	0.280	2.00	ug/L	1				
1,2-Dichloroethane	U	ND	0.140	2.00	ug/L	1				
1,2-Dichloroethylene (total)	U	ND	0.470	2.00	ug/L	1				
1,2-Dichloropropane	U	ND	0.160	2.00	ug/L	1				
2-Butanone	U	ND	0.810	10.0	ug/L	1				
2-Hexanone	U	ND	0.790	10.0	ug/L	1				
4-Methyl-2-pentanone	U	ND	0.700	10.0	ug/L	1				
Acetone	J	1.96	0.820	10.0	ug/L	1				
Benzene	U	ND	0.140	2.00	ug/L	1				
Bromodichloromethane	U	ND	0.150	2.00	ug/L	1				
Bromoform	U	ND	0.100	2.00	ug/L	1				
Bromomethane	U	ND	0.240	2.00	ug/L	1				
Carbon disulfide	U	ND	0.900	10.0	ug/L	1				
Carbon tetrachloride	U	ND	0.160	2.00	ug/L	1				
Chlorobenzene	U	ND	0.200	2.00	ug/L	1				
Chloroethane	U	ND	0.320	2.00	ug/L	1				
Chloroform	U	ND	0.170	2.00	ug/L	1				
Chloromethane	U	ND	0.210	2.00	ug/L	1				
Dibromochloromethane	U	ND	0.160	2.00	ug/L	1				
Ethylbenzene	U	ND	0.150	2.00	ug/L	1				
Methylene chloride	U	ND	0.630	5.00	ug/L	1				
Styrene	U	ND	0.150	2.00	ug/L	1				
Tetrachloroethylene	U	ND	0.210	2.00	ug/L	1				
Toluene	U	ND	0.220	2.00	ug/L	1				
Trichloroethylene	U	ND	0.160	2.00	ug/L	1				
Vinyl acetate	U	ND	0.440	10.0	ug/L	1				
Vinyl chloride	U	ND	0.260	2.00	ug/L	1				
Xylenes (total)	U	ND	0.440	6.00	ug/L	1				
cis-1,2-Dichloroethylene	U	ND	0.180	2.00	ug/L	1				
cis-1,3-Dichloropropylene	U	ND	0.180	2.00	ug/L	1				
trans-1,2-Dichloroethylene	U	ND	0.310	2.00	ug/L	1				
trans-1,3-Dichloropropylene	U	ND	0.170	2.00	ug/L	1				

The following Prep Methods were performed

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Certificate of Analysis

Company : Delta Environmental
Address : 6701 Carmel, Suite 303
Charlotte, NC 28226

Report Date: March 5, 2001

Contact: Rick Powell
Project: Containerboard Mill

Client Sample ID: Trip Blank
Sample ID: 37478009

Project: DELT00200
Client ID: DELT002

Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time	Batch	Method

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
SW846 8260B	8260B Volatiles In Liquid	JEB	02/16/01	0305	65214

The following Analytical Methods were performed

Method	Description
1	SW846 8260B

Surrogate recovery	Test	Recovery %	Acceptable Limits
Bromofluorobenzene	5030/8260B TCL in Liquid	79%	(59%-129%)
Dibromofluoromethane	5030/8260B TCL in Liquid	85%	(66%-130%)
Toluene-d8	5030/8260B TCL in Liquid	83%	(64%-130%)

Notes:
The Qualifiers in this report are defined as follows :

** Indicates the analyte is a surrogate compound.
< Actual result is less than amount reported
> Actual result is greater than amount reported
J Indicates an estimated value. The result was greater than the detection limit, but less than the reporting limit.
U Indicates the compound was analyzed for but not detected above the detection limit

The above sample is reported on an "as received" basis.

This data report has been prepared and reviewed in accordance with General Engineering Laboratories, Inc. standard operating procedures. Please direct any questions to your Project Manager, Jake Crook at (843) 556-8171 Ext. 4422.

Reviewed by

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QC Summary

Report Date: March 5, 2001

Client : Delta Environmental
6701 Carmel, Suite 303
Charlotte, NC 28226

Contact: Rick Powell

Workorder: 37478

Parmname	NOM		Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Conductivity Analysis												
Batch 64819												
QC1000160939 LCS												
Conductivity	1410				1440	umhos/cm		102	(80%-120%)	MOJ1	02/14/01	10:00
Electrode Analysis												
Batch 64373												
QC1000159669 37478001 DUP												
pH			6.58		6.62	SU	1		(0%-5%)	VH1	02/09/01	19:55
QC1000159668 LCS												
pH	7.00				6.84	SU		98	(95%-105%)			
Ion Chromatography												
Batch 64333												
QC1000159546 37478001 DUP												
Bromide		U	ND	U	ND	mg/L	N/A	N/A	(+/-0.050)	KMR1	02/09/01	14:55
Chloride			12.9		12.8	mg/L	1		(0%-13%)			
Fluoride			0.100		0.102	mg/L	2 ^		(+/-0.050)			
Nitrate			0.067		0.072	mg/L	7 ^		(+/-0.050)			
Nitrite		U	ND	U	ND	mg/L	N/A	N/A	(+/-0.050)			
Sulfate			13.0		13.0	mg/L	0		(0%-15%)			
QC1000159545 LCS												
Bromide	10.0				10.0	mg/L		100	(90%-110%)		02/09/01	17:02
Chloride	10.0				9.73	mg/L		97	(90%-110%)			
Fluoride	10.0				10.4	mg/L		104	(90%-110%)			
Nitrate	5.00				5.02	mg/L		100	(90%-110%)			
Nitrite	10.0				10.6	mg/L		106	(90%-110%)			
Sulfate	20.0				19.6	mg/L		98	(90%-110%)			
QC1000159544 MB												
Bromide				U	ND	mg/L					02/09/01	17:17
Chloride				U	ND	mg/L						
Fluoride				U	ND	mg/L						
Nitrate				U	ND	mg/L						
Nitrite				U	ND	mg/L						
Sulfate				U	ND	mg/L						
QC1000159547 37478001 PS												
Bromide	10.0	U	ND		10.2	mg/L		102	(80%-120%)		02/09/01	15:09
Chloride	10.0		12.9		24.7	mg/L		118	(80%-120%)			
Fluoride	10.0		0.100		10.6	mg/L		105	(80%-120%)			
Nitrate	5.00		0.067		5.11	mg/L		101	(80%-120%)			
Nitrite	10.0	U	ND		10.4	mg/L		104	(80%-120%)			
Sulfate	20.0		13.0		34.0	mg/L		105	(80%-120%)			
Mercury Analysis												
Batch 64918												
QC1000159755 LCS												
Mercury	2.00				2.26	ug/L		113	(82%-124%)	AW2	02/14/01	11:50
QC1000159754 MB												

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QC Summary

Workorder: 37478

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Mercury Analysis										
Batch 64918										
Mercury			U	ND	ug/L					
Metals Analysis-ICP										
Batch 64688										
QC1000159721 LCS										
Calcium	5000			4890	ug/L		98	(88%-118%)	HSC	02/13/01 17:30
Magnesium	5000			4910	ug/L		98	(87%-115%)		
Potassium	5000			4690	ug/L		94	(85%-114%)		
Silica	10700			10600	ug/L		99	(80%-120%)		
Silicon	5000			5000	ug/L		100	(80%-120%)		
Sodium	5000			4820	ug/L		97	(89%-118%)		
QC1000159719 MB										
Calcium			U	ND	ug/L					02/13/01 17:23
Magnesium			J	9.03	ug/L					
Potassium			U	ND	ug/L					
Silica			J	81.9	ug/L					
Silicon			J	38.7	ug/L					
Sodium			J	47.5	ug/L					
QC1000159720 37478001 SDILT										
Calcium		12100		2390	ug/L	1.36				02/13/01 17:43
Magnesium		2360		472	ug/L	.0335				
Potassium		1770		367	ug/L	3.67				
Silica		12100		2390	ug/L	1.17				
Silicon		5710		1130	ug/L	1.18				
Sodium		6910		1410	ug/L	2.21				
Metals Analysis-ICPMS										
Batch 64690										
QC1000159725 LCS										
Antimony	100			105	ug/L		105	(70%-126%)	LAR	02/24/01 00:35
Arsenic	100			96.0	ug/L		96	(78%-119%)		
Barium	100			98.4	ug/L		98	(91%-111%)		
Beryllium	100			119	ug/L		119	(75%-121%)		
Cadmium	100			101	ug/L		101	(87%-110%)		
Chromium	100			98.3	ug/L		98	(75%-120%)		
Cobalt	100			98.0	ug/L		98	(82%-114%)		
Copper	100			97.2	ug/L		97	(82%-128%)		
Iron	2000			1960	ug/L		98	(63%-158%)		
Lead	100			92.3	ug/L		92	(80%-120%)		
Manganese	100			97.8	ug/L		98	(80%-118%)		
Nickel	100			97.4	ug/L		97	(86%-118%)		
Selenium	100			93.8	ug/L		94	(66%-130%)		
Silver	100			102	ug/L		102	(47%-158%)		
Strontium	100			95.3	ug/L		95	(95%-110%)		
Thallium	100			93.5	ug/L		94	(29%-158%)		
Vanadium	100			95.3	ug/L		95	(79%-116%)		
Zinc	100			98.4	ug/L		98	(62%-151%)		
QC1000159722 MB										
Antimony			J	0.219	ug/L					02/24/01 00:27
Arsenic			J	0.495	ug/L					

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QC Summary

Workorder: 37478

Parmname	NOM		Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis-ICPMS											
Batch 64690											
Barium				J	0.534	ug/L					
Beryllium				U	ND	ug/L					
Cadmium				J	0.456	ug/L					
Chromium				J	0.913	ug/L					
Cobalt				J	0.418	ug/L					
Copper				U	ND	ug/L					
Iron					72.1	ug/L					
Lead				J	0.499	ug/L					
Manganese				J	0.757	ug/L					
Nickel				J	0.670	ug/L					
Selenium				J	0.372	ug/L					
Silver				J	0.531	ug/L					
Strontium				J	0.502	ug/L					
Thallium				J	0.394	ug/L					
Vanadium				J	0.623	ug/L					
Zinc				J	1.11	ug/L					
QC1000159723 37478001 MS											
Antimony	100	J	0.133		112	ug/L		112	(88%-115%)		02/24/01 01:04
Arsenic	100	J	0.365		104	ug/L		104	(85%-121%)		
Barium	100		41.5		146	ug/L		105	(88%-113%)		
Beryllium	100	J	0.093		126	ug/L		126*	(83%-120%)		
Cadmium	100	J	0.401		107	ug/L		107	(87%-115%)		
Chromium	100	J	1.23		105	ug/L		103	(83%-121%)		
Cobalt	100		1.05		104	ug/L		103	(80%-123%)		
Copper	100	J	0.626		102	ug/L		101	(81%-126%)		
Iron	2000		824		2890	ug/L		103	(63%-158%)		
Lead	100	J	0.637		100	ug/L		100	(85%-116%)		
Manganese	100		34.4		137	ug/L		103	(80%-118%)		
Nickel	100	J	1.45		102	ug/L		101	(74%-128%)		
Selenium	100	J	0.434		101	ug/L		101	(82%-118%)		
Silver	100	J	0.567		110	ug/L		109	(81%-126%)		
Strontium	100		107		211	ug/L		104	(95%-110%)		
Thallium	100		0.909		101	ug/L		100	(85%-117%)		
Vanadium	100	J	1.38		104	ug/L		102	(83%-125%)		
Zinc	100	J	4.16		105	ug/L		101	(74%-129%)		
QC1000160500 37478001 MSD											
Antimony	100	J	0.133		112	ug/L	0	111	(0%-20%)		02/24/01 01:12
Arsenic	100	J	0.365		103	ug/L	1	102	(0%-14%)		
Barium	100		41.5		149	ug/L	1	107	(0%-14%)		
Beryllium	100	J	0.093		123	ug/L	2	123	(0%-10%)		
Cadmium	100	J	0.401		106	ug/L	1	106	(0%-13%)		
Chromium	100	J	1.23		104	ug/L	0	103	(0%-13%)		
Cobalt	100		1.05		103	ug/L	1	102	(0%-10%)		
Copper	100	J	0.626		102	ug/L	0	101	(0%-9%)		
Iron	2000		824		2920	ug/L	1	105	(0%-20%)		
Lead	100	J	0.637		98.5	ug/L	2	98	(0%-11%)		
Manganese	100		34.4		138	ug/L	0	104	(0%-20%)		
Nickel	100	J	1.45		103	ug/L	1	101	(0%-10%)		

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QC Summary

Workorder: 37478

Parmname	NOM		Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis-ICPMS											
Batch 64690											
Selenium	100	J	0.434		99.8	ug/L	1	99	(0%-13%)		
Silver	100	J	0.567		109	ug/L	1	108	(0%-9%)		
Strontium	100		107		211	ug/L	0	104	(0%-20%)		
Thallium	100		0.909		99.8	ug/L	1	99	(0%-7%)		
Vanadium	100	J	1.38		102	ug/L	2	101	(0%-9%)		
Zinc	100	J	4.16		106	ug/L	0	101	(0%-12%)		
QC1000159724 37478001 SDILT											
Antimony		J	0.133	U	ND	ug/L	N/A				02/24/01 00:56
Arsenic		J	0.365	J	0.579	ug/L	693				
Barium			41.5		9.58	ug/L	15.3				
Beryllium		J	0.093	U	ND	ug/L	N/A				
Cadmium		J	0.401	J	0.339	ug/L	323				
Chromium		J	1.23	J	0.942	ug/L	282				
Cobalt			1.05	J	0.557	ug/L	164				
Copper		J	0.626	U	ND	ug/L	N/A				
Iron			824		191	ug/L	16.1				
Lead		J	0.637	J	0.592	ug/L	365				
Manganese			34.4		7.93	ug/L	15.3				
Nickel		J	1.45	J	0.851	ug/L	193				
Selenium		J	0.434	J	0.244	ug/L	181				
Silver		J	0.567	J	0.528	ug/L	366				
Strontium			107		22.1	ug/L	3.65				
Thallium			0.909		0.525	ug/L	189				
Vanadium		J	1.38	J	0.542	ug/L	96.7				
Zinc		J	4.16	J	4.40	ug/L	428				
Micro-biology											
Batch 64286											
QC1000159379 LCS											
BOD, 5 DAY	198			J	186	mg/L		94	(85%-115%)	ES	02/09/01 08:02
QC1000159377 MB											
BOD, 5 DAY				U	ND	mg/L					
Rad Alpha Spec											
Batch 64156											
QC1000158979 LCS											
Uranium-233/234					4.41 +/-0.703	pCi/L			(75%-125%)	TOH2	02/17/01 16:15
Uranium-235/236					0.276 +/-0.122	pCi/L			(75%-125%)		
Uranium-238	4.51				4.65 +/-0.730	pCi/L		103	(75%-125%)		
QC1000158976 MB											
Uranium-233/234				U	0.148 +/-0.149	pCi/L					02/17/01 16:03
Uranium-235/236				U	0.0249 +/-0.0676	pCi/L					
Uranium-238				U	0.0655 +/-0.0929	pCi/L					

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QC Summary

Workorder: 37478

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Rad Gas Flow											
Batch 64372											
QC1000159667 LCS											
Radium-228	36.1			31.6 +/-2.74	pCi/L		88	(75%-125%)	AS1	02/19/01	10:34
QC1000159664 MB											
Radium-228			U	0.877 +/-0.697	pCi/L						
Batch 64469											
QC1000159917 LCS											
Alpha	47.5			49.9 +/-5.31	pCi/L		105	(75%-125%)	NVN	02/14/01	12:36
Beta	176			175 +/-7.83	pCi/L		99	(75%-125%)			
QC1000159913 MB											
Alpha			U	0.583 +/-0.754	pCi/L						
Beta			U	0.885 +/-1.44	pCi/L						
Rad Liquid Scint											
Batch 64374											
QC1000159673 LCS											
Radon-222	62200			50600 +/-994	pCi/L		81	(75%-125%)	AEA	02/12/01	09:31
QC1000159670 MB											
Radon-222				160 +/-31.4	pCi/L					02/10/01	21:30
Rad Radium-226											
Batch 64619											
QC1000160375 LCS											
Radium-226	23.3			24.2 +/-1.89	pCi/L		104	(75%-125%)	RDD	02/28/01	11:05
QC1000160368 MB											
Radium-226			U	-0.079 +/-0.246	pCi/L					02/28/01	10:00
Rapid Flow Analysis (Alpkem)											
Batch 64775											
QC1000160141 LCS											
Cyanide, Total	100			98.8	ug/L		99	(75%-132%)	ADF	02/14/01	10:47
QC1000160140 MB											
Cyanide, Total			U	ND	ug/L					02/14/01	10:46
Semi-Volatiles-GC/MS											
Batch 64856											
QC1000160680 LCS											
1,2,4-Trichlorobenzene	50.0			45.0	ug/L		90	(47%-106%)	JWF	02/14/01	14:35
1,4-Dichlorobenzene	50.0			46.5	ug/L		93	(44%-98%)			
2,4,5-Trichlorophenol	100			91.4	ug/L		91	(55%-108%)			
2,4,6-Trichlorophenol	100			86.0	ug/L		86	(48%-106%)			
2,4-Dinitrotoluene	50.0			49.8	ug/L		100	(62%-115%)			

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QC Summary

Workorder: 37478

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Semi-Volatiles-GC/MS											
Batch 64856											
2-Chlorophenol	100			76.4	ug/L		76	(42%-92%)			
4-Chloro-3-methylphenol	100			83.2	ug/L		83	(52%-104%)			
4-Nitrophenol	100			32.4	ug/L		32	(10%-61%)			
Acenaphthene	50.0			46.5	ug/L		93	(52%-100%)			
Hexachlorobenzene	50.0			53.1	ug/L		106	(66%-114%)			
Hexachlorobutadiene	50.0			47.1	ug/L		94	(41%-107%)			
Hexachloroethane	50.0			49.3	ug/L		99	(41%-99%)			
N-Nitrosodipropylamine	50.0			53.7	ug/L		107*	(45%-102%)			
Nitrobenzene	50.0			44.0	ug/L		88	(45%-100%)			
Pentachlorophenol	100			68.1	ug/L		68	(50%-110%)			
Phenol	100			33.7	ug/L		34	(18%-45%)			
Pyrene	50.0			44.4	ug/L		89	(56%-114%)			
m,p-Cresols	100			72.0	ug/L		72	(37%-85%)			
o-Cresol	100			76.4	ug/L		76	(33%-91%)			
**2,4,6-Tribromophenol	100			97.5	ug/L		98	(30%-116%)			
**2-Fluorobiphenyl	50.0			45.0	ug/L		90	(29%-106%)			
**2-Fluorophenol	100			49.8	ug/L		50	(23%-71%)			
**Nitrobenzene-d5	50.0			43.0	ug/L		86	(25%-105%)			
**Phenol-d5	100			34.5	ug/L		35	(10%-50%)			
**p-Terphenyl-d14	50.0			46.3	ug/L		93	(18%-125%)			
QC1000160679 MB											
1,2,4-Trichlorobenzene			U	ND	ug/L					02/14/01	14:05
1,2-Dichlorobenzene			U	ND	ug/L						
1,3-Dichlorobenzene			U	ND	ug/L						
1,4-Dichlorobenzene			U	ND	ug/L						
2,4,5-Trichlorophenol			U	ND	ug/L						
2,4,6-Trichlorophenol			U	ND	ug/L						
2,4-Dichlorophenol			U	ND	ug/L						
2,4-Dimethylphenol			U	ND	ug/L						
2,4-Dinitrophenol			U	ND	ug/L						
2,4-Dinitrotoluene			U	ND	ug/L						
2,6-Dinitrotoluene			U	ND	ug/L						
2-Chloronaphthalene			U	ND	ug/L						
2-Chlorophenol			U	ND	ug/L						
2-Methyl-4,6-dinitrophenol			U	ND	ug/L						
2-Methylnaphthalene			U	ND	ug/L						
2-Nitrophenol			U	ND	ug/L						
3,3'-Dichlorobenzidine			U	ND	ug/L						
4-Bromophenylphenylether			U	ND	ug/L						
4-Chloro-3-methylphenol			U	ND	ug/L						
4-Chloroaniline			U	ND	ug/L						
4-Chlorophenylphenylether			U	ND	ug/L						
4-Nitrophenol			U	ND	ug/L						
Acenaphthene			U	ND	ug/L						
Acenaphthylene			U	ND	ug/L						
Anthracene			U	ND	ug/L						
Benzo(a)anthracene			U	ND	ug/L						
Benzo(a)pyrene			U	ND	ug/L						

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QC Summary

Workorder: 37478

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Semi-Volatiles-GC/MS										
Batch 64856										
Benzo(b)fluoranthene			U	ND	ug/L					
Benzo(ghi)perylene			U	ND	ug/L					
Benzo(k)fluoranthene			U	ND	ug/L					
Butylbenzylphthalate			U	ND	ug/L					
Carbazole			U	ND	ug/L					
Chrysene			U	ND	ug/L					
Di-n-butylphthalate			U	ND	ug/L					
Di-n-octylphthalate			U	ND	ug/L					
Dibenzo(a,h)anthracene			U	ND	ug/L					
Dibenzofuran			U	ND	ug/L					
Diethylphthalate			U	ND	ug/L					
Dimethylphthalate			U	ND	ug/L					
Diphenylamine			U	ND	ug/L					
Fluoranthene			U	ND	ug/L					
Fluorene			U	ND	ug/L					
Hexachlorobenzene			U	ND	ug/L					
Hexachlorobutadiene			U	ND	ug/L					
Hexachlorocyclopentadiene			U	ND	ug/L					
Hexachloroethane			U	ND	ug/L					
Indeno(1,2,3-cd)pyrene			U	ND	ug/L					
Isophorone			U	ND	ug/L					
N-Nitrosodipropylamine			U	ND	ug/L					
Naphthalene			U	ND	ug/L					
Nitrobenzene			U	ND	ug/L					
Pentachlorophenol			U	ND	ug/L					
Phenanthrene			U	ND	ug/L					
Phenol			U	ND	ug/L					
Pyrene			U	ND	ug/L					
bis(2-Chloroethoxy)methane			U	ND	ug/L					
bis(2-Chloroethyl) ether			U	ND	ug/L					
bis(2-Chloroisopropyl)ether			U	ND	ug/L					
bis(2-Ethylhexyl)phthalate			U	ND	ug/L					
m,p-Cresols			U	ND	ug/L					
m-Nitroaniline			U	ND	ug/L					
o-Cresol			U	ND	ug/L					
o-Nitroaniline			U	ND	ug/L					
p-Nitroaniline			U	ND	ug/L					
**2,4,6-Tribromophenol	100			76.8	ug/L		77	(30%-116%)		
**2-Fluorobiphenyl	50.0			44.4	ug/L		89	(29%-106%)		
**2-Fluorophenol	100			50.7	ug/L		51	(23%-71%)		
**Nitrobenzene-d5	50.0			43.5	ug/L		87	(25%-105%)		
**Phenol-d5	100			34.3	ug/L		34	(10%-50%)		
**p-Terphenyl-d14	50.0			44.3	ug/L		89	(18%-125%)		
QC1000160681 37478001 MS										
1,2,4-Trichlorobenzene	100	U	ND	77.3	ug/L		77	(27%-87%)		02/14/01 21:13
1,4-Dichlorobenzene	100	U	ND	81.4	ug/L		81*	(29%-80%)		
2,4,5-Trichlorophenol		U	ND U	ND	ug/L		N/A			
2,4,6-Trichlorophenol		U	ND U	ND	ug/L		N/A			

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QC Summary

Workorder: 37478

Parmname	NOM		Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Semi-Volatiles-GC/MS												
Batch 64856												
2,4-Dinitrotoluene	100	U	ND		88.5	ug/L		89	(29%-92%)			
2-Chlorophenol	200	U	ND		147	ug/L		74	(31%-81%)			
4-Chloro-3-methylphenol	200	U	ND		149	ug/L		74	(31%-91%)			
4-Nitrophenol	200	U	ND		96.8	ug/L		48	(10%-85%)			
Acenaphthene	100	U	ND		88.4	ug/L		88	(28%-91%)			
Hexachlorobenzene		U	ND	U	ND	ug/L		N/A				
Hexachlorobutadiene		U	ND	U	ND	ug/L		N/A				
Hexachloroethane		U	ND	U	ND	ug/L		N/A				
N-Nitrosodipropylamine	100	U	ND		91.3	ug/L		91	(26%-94%)			
Nitrobenzene		U	ND	U	ND	ug/L		N/A				
Pentachlorophenol	200	J	7.88		146	ug/L		69	(24%-103%)			
Phenol	200	U	ND		89.7	ug/L		45	(10%-58%)			
Pyrene	100	U	ND		83.2	ug/L		83	(34%-111%)			
m,p-Cresols		U	ND	U	ND	ug/L		N/A				
o-Cresol		U	ND	U	ND	ug/L		N/A				
**2,4,6-Tribromophenol	200		79.8		168	ug/L		84	(30%-116%)			
**2-Fluorobiphenyl	100		39.7		82.5	ug/L		83	(29%-106%)			
**2-Fluorophenol	200		44.2		124	ug/L		62	(23%-71%)			
**Nitrobenzene-d5	100		40.1		83.8	ug/L		84	(25%-105%)			
**Phenol-d5	200		28.7		97.6	ug/L		49	(10%-50%)			
**p-Terphenyl-d14	100		38.5		84.1	ug/L		84	(18%-125%)			
QC1000160682 37478001 MSD												
1,2,4-Trichlorobenzene	100	U	ND		71.3	ug/L	8	71	(0%-32%)		02/14/01	21:43
1,4-Dichlorobenzene	100	U	ND		76.2	ug/L	6	76	(0%-30%)			
2,4,5-Trichlorophenol		U	ND	U	ND	ug/L		N/A				
2,4,6-Trichlorophenol		U	ND	U	ND	ug/L		N/A				
2,4-Dinitrotoluene	100	U	ND		87.2	ug/L	1	87	(0%-27%)			
2-Chlorophenol	200	U	ND		136	ug/L	8	68	(0%-30%)			
4-Chloro-3-methylphenol	200	U	ND		141	ug/L	6	70	(0%-31%)			
4-Nitrophenol	200	U	ND		90.1	ug/L	7	45	(0%-32%)			
Acenaphthene	100	U	ND		84.7	ug/L	4	85	(0%-28%)			
Hexachlorobenzene		U	ND	U	ND	ug/L		N/A				
Hexachlorobutadiene		U	ND	U	ND	ug/L		N/A				
Hexachloroethane		U	ND	U	ND	ug/L		N/A				
N-Nitrosodipropylamine	100	U	ND		82.0	ug/L	11	82	(0%-30%)			
Nitrobenzene		U	ND	U	ND	ug/L		N/A				
Pentachlorophenol	200	J	7.88		136	ug/L	8	64	(0%-29%)			
Phenol	200	U	ND		82.8	ug/L	8	41	(0%-31%)			
Pyrene	100	U	ND		84.7	ug/L	2	85	(0%-28%)			
m,p-Cresols		U	ND	U	ND	ug/L		N/A				
o-Cresol		U	ND	U	ND	ug/L		N/A				
**2,4,6-Tribromophenol	200		79.8		167	ug/L		83	(30%-116%)			
**2-Fluorobiphenyl	100		39.7		77.7	ug/L		78	(29%-106%)			
**2-Fluorophenol	200		44.2		117	ug/L		59	(23%-71%)			
**Nitrobenzene-d5	100		40.1		77.2	ug/L		77	(25%-105%)			
**Phenol-d5	200		28.7		89.4	ug/L		45	(10%-50%)			
**p-Terphenyl-d14	100		38.5		84.9	ug/L		85	(18%-125%)			
Solids Analysis												

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QC Summary

Workorder: 37478

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Solids Analysis										
Batch 64445										
QC1000159838 LCS										
Total Dissolved Solids	300			298	mg/L		99	(84%-115%)	TSM	02/12/01 13:02
QC1000159837 MB										
Total Dissolved Solids			U	ND	mg/L					
Batch 64448										
QC1000159845 LCS										
Total Suspended Solids	500			505	mg/L		101	(95%-105%)	TSM	02/12/01 10:07
QC1000159844 MB										
Total Suspended Solids			U	ND	mg/L					
Spectrometric Analysis										
Batch 64377										
QC1000159739 37478001 DUP										
Hexavalent Chromium		0.015		0.016	mg/L	6 ^		(+/-0.010)	VH1	02/09/01 17:30
QC1000159682 LCS										
Hexavalent Chromium	0.100			0.099	mg/L		99	(84%-116%)		
QC1000159681 MB										
Hexavalent Chromium			U	ND	mg/L					
QC1000159756 37478001 PS										
Hexavalent Chromium	0.100	0.015		0.118	mg/L		103	(85%-115%)		
Batch 64442										
QC1000159827 37478003 DUP										
COD		28.8		28.1	mg/L	2		(0%-25%)	MOJ1	02/12/01 08:20
QC1000159824 LCS										
COD	75.0			69.6	mg/L		93	(83%-111%)		
QC1000159823 MB										
COD			J	2.53	mg/L					
QC1000159828 37478003 PS										
COD	75.0	28.8		101	mg/L		97	(70%-130%)		
TOC Analysis										
Batch 65225										
QC1000161937 37478003 DUP										
Total Organic Carbon		8.53		8.51	mg/L	0		(0%-25%)	MS1	02/15/01 20:13
QC1000161932 LCS										
Total Organic Carbon	10.0			10.2	mg/L		102	(85%-115%)		02/15/01 21:06
QC1000161931 MB										
Total Organic Carbon			U	ND	mg/L					02/15/01 20:51
QC1000161935 37478003 PS										
Total Organic Carbon	10.0	8.53		16.5	mg/L		80	(77%-127%)		02/15/01 20:29
Batch 65619										
QC1000163059 LCS										
Diss. Org. Carbon	10.0			10.4	mg/L		104	(85%-115%)	MS1	02/19/01 22:46
QC1000163058 MB										
Diss. Org. Carbon			U	ND	mg/L					02/19/01 22:38
TRAACS Nutrient Analysis										
Batch 64939										
QC1000160710 LCS										
Nitrogen, Ammonia	1.00			0.910	mg/L		91	(63%-121%)	THL	02/14/01 10:27
QC1000160709 MB										

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QC Summary

Workorder: 37478

Parmname	NOM		Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
TRAACS Nutrient Analysis											
Batch 64939											
Nitrogen, Ammonia				U	ND	mg/L					
Batch 65114											
QC1000160471 LCS											
Phosphorus, Total as PO4	1.00				0.840	mg/L		84	(66%-125%)	THL	02/15/01 13:17
QC1000160470 MB											
Phosphorus, Total as PO4				U	ND	mg/L					
Titration Analysis											
Batch 65654											
QC1000163113 37478001 DUP											
Bicarbonate alkalinity (CaCO3)			24.9		23.9	mg/L	4		(0%-30%)	MOJ1	02/20/01 11:40
Carbonate alkalinity (CaCO3)		U	ND	U	ND	mg/L	N/A	N/A	(+/-2.00)		
Hydroxide alkalinity as CaCO3		U	ND	U	ND	mg/L	N/A	N/A	(+/-2.00)		
QC1000163112 LCS											
Alkalinity, Total as CaCO3	1000				935	mg/L		94	(80%-120%)		
QC1000163114 37478001 MS											
Alkalinity, Total as CaCO3	100		24.9		120	mg/L		96	(80%-120%)		
Volatile Organics											
Batch 65214											
QC1000161895 LCS											
1,1-Dichloroethylene	50.0				49.3	ug/L		99	(74%-139%)	JEB	02/15/01 21:39
Benzene	50.0				46.7	ug/L		93	(79%-119%)		
Chlorobenzene	50.0				45.8	ug/L		92	(79%-120%)		
Toluene	50.0				43.1	ug/L		86	(74%-115%)		
Trichloroethylene	50.0				47.8	ug/L		96	(81%-132%)		
**Bromofluorobenzene	100				80.1	ug/L		80	(59%-129%)		
**Dibromofluoromethane	100				94.3	ug/L		94	(66%-130%)		
**Toluene-d8	100				84.7	ug/L		85	(64%-130%)		
QC1000161894 MB											
1,1,1-Trichloroethane				U	ND	ug/L					02/15/01 22:33
1,1,2,2-Tetrachloroethane				U	ND	ug/L					
1,1,2-Trichloroethane				U	ND	ug/L					
1,1-Dichloroethane				U	ND	ug/L					
1,1-Dichloroethylene				U	ND	ug/L					
1,2-Dichloroethane				U	ND	ug/L					
1,2-Dichloroethylene (total)				U	ND	ug/L					
1,2-Dichloropropane				U	ND	ug/L					
2-Butanone				U	ND	ug/L					
2-Hexanone				U	ND	ug/L					
4-Methyl-2-pentanone				U	ND	ug/L					
Acetone				J	2.39	ug/L					
Benzene				U	ND	ug/L					
Bromodichloromethane				U	ND	ug/L					
Bromoform				U	ND	ug/L					
Bromomethane				U	ND	ug/L					
Carbon disulfide				U	ND	ug/L					
Carbon tetrachloride				U	ND	ug/L					
Chlorobenzene				U	ND	ug/L					

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QC Summary

Workorder: 37478

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Volatile Organics											
Batch 65214											
Chloroethane			U	ND	ug/L						
Chloroform			U	ND	ug/L						
Chloromethane			U	ND	ug/L						
Dibromochloromethane			U	ND	ug/L						
Ethylbenzene			U	ND	ug/L						
Methylene chloride			U	ND	ug/L						
Styrene			U	ND	ug/L						
Tetrachloroethylene			U	ND	ug/L						
Toluene			U	ND	ug/L						
Trichloroethylene			U	ND	ug/L						
Vinyl acetate			U	ND	ug/L						
Vinyl chloride			U	ND	ug/L						
Xylenes (total)			U	ND	ug/L						
cis-1,2-Dichloroethylene			U	ND	ug/L						
cis-1,3-Dichloropropylene			U	ND	ug/L						
trans-1,2-Dichloroethylene			U	ND	ug/L						
trans-1,3-Dichloropropylene			U	ND	ug/L						
**Bromofluorobenzene	50.0			40.8	ug/L		82	(59%-129%)			
**Dibromofluoromethane	50.0			44.1	ug/L		88	(66%-130%)			
**Toluene-d8	50.0			41.4	ug/L		83	(64%-130%)			
Wet Chemistry General											
Batch 64368											
QC1000159651 37478001 DUP											
Color		30.0		30.0	PCU	0		(0%-20%)	VH1	02/09/01	16:44
QC1000159650 LCS											
Color	35.0			35.0	PCU		100	(80%-120%)			
QC1000159649 MB											
Color			U	ND	PCU					02/09/01	15:44
Batch 64370											
QC1000159659 37478001 DUP											
Turbidity		3.14		3.31	NTU	5		(0%-18%)	VH1	02/09/01	16:20
QC1000159658 LCS											
Turbidity	10.0			9.59	NTU		96	(83%-112%)			
QC1000159657 MB											
Turbidity			U	ND	NTU						

Notes:
The Qualifiers in this report are defined as follows:

- ** Indicates the analyte is a surrogate compound.
- < Actual result is less than amount reported
- > Actual result is greater than amount reported
- J Indicates an estimated value. The result was greater than the detection limit, but less than the reporting limit.
- U Indicates the compound was analyzed for but not detected above the detection limit

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QC Summary

Workorder: 37478

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time

N/A indicates that spike recovery limits do not apply when sample concentration exceeds spike conc. by a factor of 4 or more.

^ The Relative Percent Difference (RPD) obtained from the sample duplicate (DUP) is evaluated against the acceptence criteria when the sample is greater than five times (5X) the contract required detection limit (RL). In cases where either the sample or duplicate value is less than 5X the RL, a control limit of +/- the RL is used to evaluate the DUP result.

For PS, PSD, and SDILT results, the values listed are the measured amounts, not final concentrations.

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CHAIN OF CUSTODY RECORD

Page_____ of _____

374783

Client Name/Facility Name: Delta Environmental / Plymouth, NC

Collected by/Company: ES/KC Delta / Enviro-Tech

Use F or P in the boxes to indicate whether sample was filtered and/or preserved

2000087021

SAMPLE ANALYSIS REQUIRED (x) - use remarks area to specify specific compounds or methods

SAMPLE ID	DATE	TIME	WELL	SOIL	COMP	GRAB	# OF CONTAINERS	pH, conductivity	TOC/DOC	TOX	Chloride, Fluoride, Sulfide	Nitrite/Nitrate	VOC - Specify Method required	METALS - specify	Pesticide	Herbicide	Total Phenol	Acid Extractables	B/N Extractables	PCB's	Cyanide	Coliform - specify type			Remarks
01- upstream	2/8/01	9:00					19	.1																	
02- Filtered upstream	2/8/01	9:00					2	.2																	Analyze groups
																									1b, 2a, 2b, 3, 4
																									in accordance
																									with Contract
																									Enclosed is a
																									list of Parameters
																									to be Analyzed

Relinquished by:	Date:	Time:	Received by:	Relinquished by:	Date:	Time:	Received by:
[signature]	2/8/01	1700					

Relinquished by:	Date:	Time:	Received by lab by:	Date:	Time:	Remarks:
			Patricia Dover	2/9/01	08:30	

White = sample collector Yellow = file Pink = with report

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CHAIN OF CUSTODY RECORD

Page 1 of 1

Client Name/Facility Name: Delta Environmental / Plymouth, NC

Collected by/Company: ES / KC Delta

SAMPLE ANALYSIS REQUIRED (x) - use remarks area to specify specific compounds or methods

Use F or P in the boxes to indicate whether sample was filtered and/or preserved

	SAMPLE ID	DATE	TIME	WELL	SOIL	COMP	GRAB	# OF CONTAINERS	pH, conductivity	TOC/DOC	TOX	Chloride, Fluoride, Sulfide	Nitrite/Nitrate	VOC - Specify Method required	METALS - specify	Pesticide	Herbicide	Total Phenol	Acid Extractables	B/N Extractables	PCB's	Cyanide	Coliform - specify type			Remarks
002-	DnStream/02	2/8/01	10:00	A				19	.1																	Analyzed groups
05-	Filtered DnStream/02	2/8/01	10:00					2	.2																	1b, 2a, 2b, 3, 4
																										in accordance
																										with Contract
																										Enclosed is a
																										list of parameter
																										to be analyzed.

Relinquished by:	Date:	Time:	Received by:	Relinquished by:	Date:	Time:	Received by:
[signature]	2/8/01	1700					

Relinquished by:	Date:	Time:	Received by lab by:	Date:	Time:	Remarks:
			Patricia Dover	2/9/01	08:30	

White = sample collector Yellow = file Pink = with report

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CHAIN OF CUSTODY RECORD

Page 1 of 1

Client Name/Facility Name: Della Environmental / Plymouth, NC

Collected by/Company: ES/LC Della

SAMPLE ANALYSIS REQUIRED (x) - use remarks area to specify specific compounds or methods

Use F or P in the boxes to indicate whether sample was filtered and/or preserved

	SAMPLE ID	DATE	TIME	WELL	SOIL	COMP	GRAB	# OF CONTAINERS	pH, conductivity	TOC/DOC	TOX	Chloride, Fluoride, Sulfide	Nitrite/Nitrate	VOC Specify Method required	METALS - specify	Pesticide	Herbicide	Total Phenol	Acid Extractables	B/N Extractables	PCB's	Cyanide	Coliform - specify type			Remarks
003	DnStream	02/08/01	9:45					19	.1																	Enclosed is a
06	DnStream Filtered	↓	9:45					2	.2																	list of parameters
07	DnStream/03		10:00					2						2											.3	to be Analyzed
08	DnStream/04	↓	10:00					2						2											.3	
09	Trip Blank							3						✓											.3	Analyze groups
																										1b, 2a, 2b, 3, 4
																										in accordance
																										with contract

Relinquished by:	Date:	Time:	Received by:	Relinquished by:	Date:	Time:	Received by:
[signature]	2/8/01	1700					

Relinquished by:	Date:	Time:	Received by lab by:	Date:	Time:	Remarks:
			Patricia Dover	2/9/01	08:30	

White = sample collector Yellow = file Pink = with report

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