TEXAS NATURAL RESOURCE CONSERVATION COMMISSION

TNRCC

ATTACHMENT 8

COC AND SAMPLE RESULTS - TNRCC

TNRCC ID#	**32164**	**Facility Name:**	**BP Chemicals, Inc.**	**County Name:**	**Calhoun**
Inspection Date:	**11/7, 11/8, & 11/14/2001**	**TNRCC Investigator:**	**Brad W. Genzer**		

New Toxic Landfill (NTLF) Schedule for: 2001

E = EPA
S = SW846

BOLD = PREFERED METHOD

MAY SAMPLING EVENT

Detection Monitoring Parameters (DP)

DESCRIPTION	TEST	Monitoring Well U-1 & dup	U-2 & dup	U-3 &dup	D-4 & dup	D-5 & dup	D-6 &dup	D7L & dup	D7U & dup	D-8 & dup	D1U	Field Blk	Trip Blk	dup/dup	MS
Acrylonitrle	E603,S8030,S8240,S8260	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Acetonitrile	E603,S8030,S8240,S8260	x	x	x	x	x	x	x	x	x		x		x	x
Chromium Total	E218,S6010,S7190,S7191	x	x	x	x	x	x	x	x	x		x		x	x
Chrominum Dissolved	E218,S6010,S7190,S7191	x	x	x	x	x	x	x	x	x		x		x	x
TOC (2 per container)	E415,S9060	x	x	x	x	x	x	x	x	x	x	x		x	x
Cyanide, Total	E335,S9010	x	x	x	x	x	x	x	x	x					

Water Quality Parameters (WQ)

DESCRIPTION	TEST	Monitoring Well U-1	U-2	U-3	D-4	D-5	D-6	D7L	D7U	D-8	D1U	Field Blk		dup/dup	MS
Arsenic	E206,S6010,S7060,S7061							x	x	x		x		x	x
Barium	E200,E208,S6010,S7080							x	x	x		x		x	x
Cadmium	E200,E213,S6010,S7130,S7131							x	x	x		x		x	x
Lead	E200,E239,S6010,S7420,S7421							x	x	x		x		x	x
Mercury	E245,S6010,S7460							x	x	x		x		x	x
Selenium	E200,E270,S6010,S7740,S7741							x	x	x		x		x	x
Manganese	E200,E243,S6010,7460							x	x	x		x		x	x
Sodium	E200,E273,S6010,S7770							x	x	x		x		x	x
Iron	E200,E236,S6010,S7380							x	x	x		x		x	x
Phenolics, Total	E604,E420,S8040,S9065							x	x	x		x		x	x
Sulfate	E375,S9036,S9038							x	x	x		x		x	x
Chloride	E325,S9251,S9252							x	x	x		x		x	x
Silver	E200,E272,S6010,S7760														
Total Well Depths		x	x	x	x	x	x	x	x	x	x				

NOVEMBER SAMPLING EVENT

Detection Monitoring Parameters (DP)

DESCRIPTION	TEST	Monitoring Well U-1 & dup	U-2 & dup	U-3 &dup	D-4 & dup	D-5 & dup	D-6 &dup	D7L & dup	D7U & dup	D-8 & dup	D1U	Field Blk	Trip Blk	dup/dup	MS
Acrylonitrle	E603,S8030,S8240,S8260	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Acetonitrile	E603,S8030,S8240,S8260	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Chromium Total	E218,S6010,S7190,S7191	x	x	x	x	x	x	x	x	x		x		x	x
Chrominum Dissolved	E218,S6010,S7190,S7191	x	x	x	x	x	x	x	x	x		x		x	x
TOC (2 per container)	E415,S9060	x	x	x	x	x	x	x	x	x		x		x	x
Cyanide, Total	E335,S9010	x	x	x	x	x	x	x	x	x	x	x		x	x

Water Quality Parameters (WQ)

DESCRIPTION	TEST	Monitoring Well U-1	U-2	U-3	D-4	D-5	D-6	D7L	D7U	D-8		Field Blk		dup/dup	MS
Arsenic	E206,S6010,S7060,S7061	x	x	x	x	x	x					x		x	x
Barium	E200,E208,S6010,S7080	x	x	x	x	x	x					x		x	x
Cadmium	E200,E213,S6010,S7130,S7131	x	x	x	x	x	x					x		x	x
Lead	E200,E239,S6010,S7420,S7421	x	x	x	x	x	x					x		x	x
Mercury	E245,S6010,S7460	x	x	x	x	x	x					x		x	x
Selenium	E200,E270,S6010,S7740,S7741	x	x	x	x	x	x					x		x	x
Manganese	E200,E243,S6010,7460	x	x	x	x	x	x					x		x	x
Sodium	E200,E273,S6010,S7770	x	x	x	x	x	x					x		x	x
Iron	E200,E236,S6010,S7380	x	x	x	x	x	x					x		x	x
Phenolics, Total	E604,E420,S8040,S9065	x	x	x	x	x	x					x		x	x
Sulfate	E375,S9036,S9038	x	x	x	x	x	x					x		x	x
Chloride	E325,S9251,S9252	x	x	x	x	x	x					x		x	x
Silver	E200,E272,S6010,S7760	x	x	x	x	x	x					x		x	x

Total Depths must be done annually
Scheduled for November sampling.

B Environmental Testing Laboratory
2713 HOUSTON HWY., VICTORIA, TX 77901 (361) 572-8224 E-mail: kbenviro@tisd.net

CHAIN OF CUSTODY RECORD

Report Results To:
Company: BP Chemicals
Address:
Contact: Wayne LeCroix
Phone:
Fax:

Invoice To:
Company:
Address:
Contact:
Phone:
Fax:
PO/SO#:

Project: BP Chem Groundwater
Sampler's Name: Travis Hanna
Signature:

Preservative:
1. None
2. H_2SO_4
3. HNO_3
4. NaOH
5. HCL
6. $NaHSO_4$
7. $Na_2S_2O_3$
8. Ice
9. ____

Container Type:
P - Plastic
G - Glass
V - VOA
O - Other

Analyses

Sample Identification	Matrix[1]	Sampling Date	Sampling Time	Container Size	Container Type	Container No.	Preservative	AA	TOC	Metals-Total	Metals-Dissolved	Cr Total	Cr Dissolved	Phenols	CN	Chlorides, Sulfates, Sulfide	Comments / Lab Sample ID (Lab Use Only)
Field Blank	AQ	11-8-01	0835			10		X	X	X	X	X	X	X	X	X	
Trip Blank			0835			2		2									
U-1/U1-Dup			0915			17		4	4	4	1	2	2	1	2	1	
MS			0915			10		2	2	4	1	1	1	1	1	1	
Dup/Dup			0915			10		2	2	4	1	1	1	1	1	1	
D-5			1335			17		4	4	4	1	2	2	1	2	1	
D-8			1450			14		4	4			2	2		2		
D-7L			1550			14		4	4			2	2		2		
D-7U			1610			~~17~~ 14		4	4			2	2	4	2	4	
D-6			1645			17		4	4	4	1	2	2	1	2	1	
D-4			1705			17		4	4	4	1	2	2	1	2	1	* Please filter D-4 metals +
U-2			1735			17		4	4	4	1	2	2	1	2	1	* Dissolved Cr w/ 0.45 micron filter

Turn around time: *☐ 24 hr (2x charge) *☐ 48 hr (1.5x charge) *☐ 3-5 days (1.2x charge) ☐ Standard 6-10 working days

Please filter U-2 as well ↑

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
	11-8-01	1845		11-8-01	1845
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
	11-9-01	930			
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:

For Lab Use Only:
Sample Received Chilled: ☐ Yes ☐ No
Custody Seal: ☐ Yes / ☐ No
Intact: ☐ Yes / ☐ No
Temp ____ °C
Remarks:

[1]Matrix W - Water S - Soil SD - Solid L - Liquid A - Air Bag C - Charcoal Tube SL - Sludge O - Oil WW - Wastewater
* Surcharge Applies

B-Environmental cannot accept verbal changes. Please Fax written changes to (361) 572-4115

B Environmental Testing Laboratory
2713 HOUSTON HWY., VICTORIA, TX 77901 (361) 572-8224 E-mail: kbenviro@tisd.net

CHAIN OF CUSTODY RECORD

Report Results To:
Company: BP Chemicals
Address:
Contact: Wayne LeCroix
Phone:
Fax:

Invoice To:
Company:
Address:
Contact:
Phone:
Fax:
PO/SO#:

Project: BP Chemicals Groundwater
Sampler's Name: Travis Hanna
Signature:

Preservative:
1. None
2. H_2SO_4
3. HNO_3
4. NaOH
5. HCL
6. $NaHSO_4$
7. $Na_2S_2O_3$
8. Ice
9. ____

Container Type:
P - Plastic
G - Glass
V - VOA
O - Other

Analyses

Sample Identification	Matrix	Sampling Date	Sampling Time	Container Size	Container Type	Container No.	Preservative	AA	TOC	Metals Dissolved	Cr Total	Cr Dissolved	Phenols	CN	Chloride, Sulfate, Sulfide	Comments / Lab Sample ID (Lab Use Only)
U-3	AQ	11-8-01	1815			17		4	4	1	2	2	1	2	1	* Please filter metals & Cr Dissolved w/ 0.45 micron filter

Turn around time: * ☐ 24 hr (2x charge) * ☐ 48 hr (1.5x charge) * ☐ 3-5 days (1.2x charge) ☐ Standard 6-10 working days

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
	11-8-01	1845		11-8-01	1845
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
	11-9-01	9:30			
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:

For Lab Use Only:
Sample Received Chilled: ☐ Yes ☐ No
Custody Seal: ☐ Yes / ☐ No
Intact: ☐ Yes / ☐ No
Temp ____ °C
Remarks:

[1]Matrix W - Water S - Soil SD - Solid L - Liquid A - Air Bag C - Charcoal Tube SL - Sludge O - Oil WW - Wastewater
* Surcharge Applies

B-Environmental cannot accept verbal changes. Please Fax written changes to (361) 572-4115

B ENVIRONMENTAL
Victoria, TX 77901
2713 Houston Hwy. (361) 572-8224

REPORT OF SAMPLE ANALYSIS

TO: Wayne LaCroix
BP Chemical
P.O. Box 659
Port Lavaca, TX 77979

CLIENT INFORMATION		LABORATORY INFORMATION	
Project Name:	NTLF Groundwater	LAB Sample #:	49205
Sample ID:	Trip Blank	Date Received:	11/09/2001
Date Taken:	11/08/2001	Time Received:	09:55
Time Taken:	0835	Report Date:	11/20/2001

TEST DESCRIPTION	SAMPLE RESULT	UNITS	ANALYZED DATE	ANALYZED TIME	MDL	RUN BY	METHOD USED
Acrylonitrile	<0.008	mg/L	11/14/2001	12:02	0.008	PR	SW 8015B
Acetonitrile	<0.015	mg/L	11/14/2001	12:02	0.015	PR	SW 8015B

TEST DESCRIPTION	BLANK	LCS % REC	DUP RPD	RPD LIMIT	MS % REC	MSD % REC	% REC LIMITS
Acrylonitrile	<0.008	83.9	0.0	20	81.0	N/A	75 - 125
Acetonitrile	<0.015	104	0.0	20	97.7	N/A	75 - 125

Approved By:

Kevin Baros
General Manager

Method References:
Black, C.A. et al (ed.) Methods of Soil Analysis, 1965
EPA - EPA Methods for Chemical Analysis of Water & Wastes, EPA-600/4-79-020, 1983
SM - Standard Methods for the Examination of Water & Wastewater, 18th Ed. 1992
SW - EPA Test Methods for Evaluating Solid Waste, SW-846 3rd Edition 1986
U.S. Department of Agriculture Handbook No. 60

B ENVIRONMENTAL
2713 Houston Hwy. Victoria, TX 77901 (361) 572-8224

REPORT OF SAMPLE ANALYSIS

TO: Wayne LaCroix
BP Chemical
P.O. Box 650
Port LaVaca, TX 77979

CLIENT INFORMATION		LABORATORY INFORMATION	
Project Name:	NTLF Groundwater	LAB Sample #:	49204
Sample ID:	Field Blank	Date Received:	11/09/2001
Date Taken:	11/08/2001	Time Received:	09:55
Time Taken:	0835	Report Date:	12/03/2001

TEST DESCRIPTION	SAMPLE RESULT	UNITS	ANALYZED DATE	ANALYZED TIME	MDL	RUN BY	METHOD USED
Manganese	<0.01	mg/L	11/26/2001	16:44	0.01	SD	EPA 200.7
Iron, ICP	<0.01	mg/L	11/12/2001	14:53	0.01	SD	EPA 200.7
Silver, ICP	<0.01	mg/L	11/14/2001	10:44	0.01	SD	EPA 200.7
Total Organic Carbon	<1.0	mg/L	11/27/2001	09:45	1.0	KB	EPA 415.1
Total Organic Carbon - b	<1.0	mg/L	11/27/2001	09:45	1.0	KB	EPA 415.1
Acrylonitrile	<0.008	mg/L	11/14/2001	13:20	0.008	PR	SW 8015B
Acetonitrile	<0.015	mg/L	11/14/2001	13:20	0.015	PR	SW 8015B
Cyanide	<0.01	mg/L	11/15/2001	08:15	0.01	SD	SW 9010
Chromium, GFAA	<0.005	mg/L	11/28/2001	16:46	0.005	KB	EPA 218.2
Chromium, GFAA (diss)	<0.005	mg/L	11/28/2001	16:46	0.005	KB	EPA 218.2
Arsenic, GFAA	<0.002	mg/L	11/27/2001	13:26	0.002	KB	EPA 206.2
Barium, ICP	<0.01	mg/L	11/12/2001	10:29	0.01	SD	EPA 200.7
Cadmium, GFAA	<0.0005	mg/L	11/28/2001	09:58	0.0005	KB	EPA 213.2

TEST DESCRIPTION	BLANK	LCS % REC	DUP RPD	RPD LIMIT	MS % REC	MSD % REC	% REC LIMITS
Manganese	<0.01	93.0	1.5	10	97.1	95.7	75 - 125
Iron, ICP	<0.01	92.8	7.7	20	85.1	91.9	75 - 125
Silver, ICP	<0.01	98.1	1.3	20	92.6	93.8	75 - 125
Total Organic Carbon	<1.0	101	3.8	20	106	102	75 - 125
Total Organic Carbon - b	<1.0	101	3.8	20	106	102	75 - 125
Acrylonitrile	<0.008	83.9	0.0	20	81.0	N/A	75 - 125
Acetonitrile	<0.015	104	0.0	20	97.7	N/A	75 - 125
Cyanide	<0.01	97.5	0.0	20	102	N/A	75 - 125
Chromium, GFAA	<0.005	93.0	4.5	20	97.5	102	75 - 125
Chromium, GFAA (diss)	<0.005	93.0	1.9	20	103	105	75 - 125
Arsenic, GFAA	<0.002	105	4.7	20	109	104	75 - 125
Barium, ICP	<0.01	101	1.8	20	113	115	75 - 125
Cadmium, GFAA	<0.0005	94.3	3.4	20	91.8	95.6	75 - 125

Approved By:

Kevin Baros
General Manager

Method References:
Black, C.A. et al (ed.) Methods of Soil Analysis, 1965
EPA - EPA Methods for Chemical Analysis of Water & Wastes, EPA-600/4-79-020, 1983
SM - Standard Methods for the Examination of Water & Wastewater, 18th Ed. 1992
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U.S. Department of Agriculture Handbook No. 60

B ENVIRONMENTAL
2713 Houston Hwy. Victoria, TX 77901 (361) 572-8224

REPORT OF SAMPLE ANALYSIS

TO: Wayne LaCroix
BP Chemical
P.O. Box 659
Port Lavaca, TX 77979

CLIENT INFORMATION		LABORATORY INFORMATION	
Project Name:	NTLF Groundwater	LAB Sample #:	49204
Sample ID:	Field Blank	Date Received:	11/09/2001
Date Taken:	11/08/2001	Time Received:	09:55
Time Taken:	0835	Report Date:	12/03/2001

TEST DESCRIPTION	SAMPLE RESULT	UNITS	ANALYZED DATE	ANALYZED TIME	MDL	RUN BY	METHOD USED
Lead, GFAA	<0.002	mg/L	11/28/2001	14:05	0.002	KB	EPA 239.2
Mercury, CVAA	<0.0002	mg/L	11/21/2001	13:24	0.0002	DY	EPA 245.1
Selenium, GFAA	<0.002	mg/L	11/27/2001	13:26	0.002	KB	EPA 270.2
Chloride	<0.5	mg/L	11/19/2001	15:30	0.5	DT	EPA 325.1
Sodium, AA	<0.10	mg/L	11/27/2001	09:00	0.1	SD	EPA 273.1
Sulfate	<1	mg/L	11/20/2001	13:00	1	SD	EPA 375.4
Phenolics, total	<0.005	mg/L	11/21/2001	17:00	0.005	DT	EPA 420.1

TEST DESCRIPTION	BLANK	LCS % REC	DUP RPD	RPD LIMIT	MS % REC	MSD % REC	% REC LIMITS
Lead, GFAA	<0.002	119	6.2	20	100	94.0	75 - 125
Mercury, CVAA	<0.0002	83.2	3.1	20	86.1	88.8	75 - 125
Selenium, GFAA	<0.002	112	0.0	20	104	104	75 - 125
Chloride	<0.5	95.0	2.0	20	94.1	N/A	75 - 125
Sodium, AA	<0.10	107	0.9	20	106	105	75 - 125
Sulfate	<1	88.0	0.0	20	106	106	75 - 125
Phenolics, total	<0.005	86.7	0.0	20	80.8	N/A	75 - 125

Approved By:

Kevin Baros
General Manager

Method References:
Black, C.A. et al (ed.) Methods of Soil Analysis, 1965
EPA - EPA Methods for Chemical Analysis of Water & Wastes, EPA-600/4-79-020, 1983
SM - Standard Methods for the Examination of Water & Wastewater, 18th Ed. 1992
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U.S. Department of Agriculture Handbook No. 60

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Victoria, TX 77901
2713 Houston Hwy. (361) 572-8224

REPORT OF SAMPLE ANALYSIS

TO: Wayne LaCroix
BP Chemical
P.O. Box 659
Port Lavaca, TX 77979

CLIENT INFORMATION		LABORATORY INFORMATION	
Project Name:	NTLF Groundwater	LAB Sample #:	49206
Sample ID:	U-1 / U-1 Dup, MS	Date Received:	11/09/2001
Date Taken:	11/08/2001	Time Received:	09:55
Time Taken:	0915	Report Date:	12/03/2001

TEST DESCRIPTION	SAMPLE RESULT	UNITS	ANALYZED DATE	ANALYZED TIME	MDL	RUN BY	METHOD USED
Manganese	<0.01	mg/L	11/20/2001	16:44	0.01	SD	EPA 200.7
Iron, ICP	0.02	mg/L	11/12/2001	14:53	0.01	SD	EPA 200.7
Silver, ICP	<0.01	mg/L	11/13/2001	10:44	0.01	SD	EPA 200.7
Total Organic Carbon	<1.0	mg/L	11/27/2001	09:45	1.0	KB	EPA 415.1
Total Organic Carbon - b	1.0	mg/L	11/27/2001	09:45	1.0	KB	EPA 415.1
Total Organic Carbon - c	<1.0	mg/L	11/27/2001	09:45	1.0	KB	EPA 415.1
Total Organic Carbon - d	<1.0	mg/L	11/27/2001	09:45	1.0	KB	EPA 415.1
Acrylonitrile	<0.008	mg/L	11/12/2001	13:10	0.008	PR	SW 8015B
Acrylonitrile (b)	<0.008	mg/L	11/12/2001	13:57	0.008	PR	SW 8015B
Acetonitrile	<0.015	mg/L	11/12/2001	13:10	0.015	PR	SW 8015B
Acetonitrile (b)	<0.015	mg/L	11/12/2001	13:57	0.015	PR	SW 8015B
Cyanide	<0.01	mg/L	11/15/2001	08:15	0.01	SD	SW 9010
Cyanide (b)	<0.01	mg/L	11/15/2001	08:15	0.01	SD	SW 9010

TEST DESCRIPTION	BLANK	LCS % REC	DUP RPD	RPD LIMIT	MS % REC	MSD % REC	% REC LIMITS
Manganese	<0.01	93.0	1.5	10	97.1	95.7	75 - 125
Iron, ICP	<0.01	92.8	7.7	20	85.1	91.9	75 - 125
Silver, ICP	<0.01	98.1	1.3	20	92.6	93.8	75 - 125
Total Organic Carbon	<1.0	101	3.8	20	106	102	75 - 125
Total Organic Carbon - b	<1.0	101	3.8	20	106	102	75 - 125
Total Organic Carbon - c	<1.0	101	3.8	20	106	102	75 - 125
Total Organic Carbon - d	<1.0	101	3.8	20	106	102	75 - 125
Acrylonitrile	<0.008	83.9	0.0	20	81.0	N/A	75 - 125
Acrylonitrile (b)	<0.008	83.9	0.0	20	81.0	N/A	75 - 125
Acetonitrile	<0.015	104	0.0	20	97.7	N/A	75 - 125
Acetonitrile (b)	<0.015	104	0.0	20	97.7	N/A	75 - 125
Cyanide	<0.01	97.5	0.0	20	102	N/A	75 - 125
Cyanide (b)	<0.01	97.5	0.0	20	102	N/A	75 - 125

Approved By:

Kevin Baros
General Manager

Method References:
Black, C.A. et al (ed.) Methods of Soil Analysis, 1965
EPA - EPA Methods for Chemical Analysis of Water & Wastes, EPA-600/4-79-020, 1983
SM - Standard Methods for the Examination of Water & Wastewater, 18th Ed. 1992
SW - EPA Test Methods for Evaluating Solid Waste, SW-846 3rd Edition, 1986
U.S. Department of Agriculture Handbook No. 60

B ENVIRONMENTAL
2713 Houston Hwy. Victoria, TX 77901 (361) 572-8224

REPORT OF SAMPLE ANALYSIS

TO: Wayne LaCroix
BP Chemical
P.O. Box 659
Port LaVaca, TX 77979

CLIENT INFORMATION		LABORATORY INFORMATION	
Project Name:	NTLF Groundwater	LAB Sample #:	49206
Sample ID:	U-1 / U-1 Dup, MS	Date Received:	11/09/2001
Date Taken:	11/08/2001	Time Received:	09:55
Time Taken:	0915	Report Date:	12/03/2001

TEST DESCRIPTION	SAMPLE RESULT	UNITS	ANALYZED DATE	ANALYZED TIME	MDL	RUN BY	METHOD USED
Chromium, GFAA	<0.005	mg/L	11/28/2001	16:46	0.005	KB	EPA 218.2
Chromium, GFAA (b)	<0.005	mg/L	11/28/2001	16:46	0.005	KB	EPA 218.2
Chromium, GFAA (diss)	<0.005	mg/L	11/28/2001	16:46	0.005	KB	EPA 218.2
Chromium, GFAA (diss) - b	<0.005	mg/L	11/28/2001	16:46	0.005	KB	EPA 218.2
Arsenic, GFAA	<0.002	mg/L	11/27/2001	13:26	0.002	KB	EPA 206.2
Barium, ICP	0.13	mg/L	11/12/2001	10:29	0.01	SD	EPA 200.7
Cadmium, GFAA	<0.0005	mg/L	11/28/2001	09:58	0.0005	KB	EPA 213.2
Lead, GFAA	<0.002	mg/L	11/28/2001	14:05	0.002	KB	EPA 239.2
Mercury, CVAA	<0.0002	mg/L	11/21/2001	13:24	0.0002	DY	EPA 245.1
Selenium, GFAA	<0.002	mg/L	11/27/2001	13:26	0.002	KB	EPA 270.2
Chloride	300	mg/L	11/19/2001	15:30	0.5	DT	EPA 325.1
Sodium, AA	277	mg/L	11/27/2001	09:00	0.1	SD	EPA 273.1
Sulfate	65	mg/L	11/20/2001	13:00	1	SD	EPA 375.4

TEST DESCRIPTION	BLANK	LCS % REC	DUP RPD	RPD LIMIT	MS % REC	MSD % REC	% REC LIMITS
Chromium, GFAA	<0.005	93.0	4.5	20	97.5	102	75 - 125
Chromium, GFAA (b)	<0.005	93.0	4.5	20	97.5	102	75 - 125
Chromium, GFAA (diss)	<0.005	93.0	1.9	20	103	105	75 - 125
Chromium, GFAA (diss) - b	<0.005	93.0	1.9	20	103	105	75 - 125
Arsenic, GFAA	<0.002	105	4.7	20	109	104	75 - 125
Barium, ICP	<0.01	101	1.8	20	113	115	75 - 125
Cadmium, GFAA	<0.0005	94.3	3.4	20	91.8	95.0	75 - 125
Lead, GFAA	<0.002	119	6.2	20	100	94.0	75 - 125
Mercury, CVAA	<0.0002	83.2	3.1	20	86.1	88.8	75 - 125
Selenium, GFAA	<0.002	112	0.0	20	104	104	75 - 125
Chloride	<0.5	95.0	2.0	20	94.1	N/A	75 - 125
Sodium, AA	<0.10	107	0.9	20	106	105	75 - 125
Sulfate	<1	88.0	0.0	20	106	106	75 - 125

Approved By:

Kevin Baros
General Manager

Method References:
Black, C A et al (ed.) Methods of Soil Analysis, 1965
EPA - EPA Methods for Chemical Analysis of Water & Wastes, EPA-600/4-79-020, 1983
SM - Standard Methods for the Examination of Water & Wastewater, 18th Ed. 1992
SW - EPA Test Methods for Evaluating Solid Waste, SW-846 3rd Edition, 1986
U.S. Department of Agriculture Handbook No. 60

B ENVIRONMENTAL
Victoria, TX 77901
2713 Houston Hwy. (361) 572-8224

REPORT OF SAMPLE ANALYSIS

TO: Wayne LaCroix
BP Chemical
P O. Box 659
Port Lavaca, TX 77979

CLIENT INFORMATION		LABORATORY INFORMATION	
Project Name:	NTLF Groundwater	LAB Sample #:	49206
Sample ID:	U-1 / U-1 Dup, MS	Date Received:	11/09/2001
Date Taken:	11/08/2001	Time Received:	09:55
Time Taken:	0915	Report Date:	12/03/2001

TEST DESCRIPTION	SAMPLE RESULT	UNITS	ANALYZED DATE	ANALYZED TIME	MDL	RUN BY	METHOD USED
Phenolics, total	<0.005	mg/L	11/21/2001	17:00	0.005	DT	EPA 420.1

TEST DESCRIPTION	BLANK	LCS % REC	DUP RPD	RPD LIMIT	MS % REC	MSD % REC	% REC LIMITS
Phenolics, total	<0.005	86.7	0.0	20	80.8	N/A	75 - 125

Approved By:

Kevin Baros
General Manager

Method References:
Black C.A. et al (ed.) Methods of Soil Analysis. 1965
EPA - EPA Methods for Chemical Analysis of Water & Wastes, EPA-600/4-79-020. 1983
SM - Standard Methods for the Examination of Water & Wastewater 18th Ed. 1992
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U.S. Department of Agriculture Handbook No. 60

B ENVIRONMENTAL
2713 Houston Hwy. Victoria, TX 77901 (361) 572-8224

REPORT OF SAMPLE ANALYSIS

TO: Wayne LaCroix
BP Chemical
P.O. Box 659
Port Lavaca, TX 77979

CLIENT INFORMATION		LABORATORY INFORMATION	
Project Name:	NTLF Groundwater	LAB Sample #:	49214
Sample ID:	U-2	Date Received:	11/09/2001
Date Taken:	11/08/2001	Time Received:	09:55
Time Taken:	1735	Report Date:	12/03/2001

TEST DESCRIPTION	SAMPLE RESULT	UNITS	ANALYZED DATE	ANALYZED TIME	MDL	RUN BY	METHOD USED
Manganese	<0.01	mg/L	11/26/2001	16:44	0.01	SD	EPA 200.7
Iron, ICP	0.03	mg/L	11/12/2001	14:53	0.01	SD	EPA 200.7
Silver, ICP	<0.01	mg/L	11/14/2001	10:44	0.01	SD	EPA 200.7
Total Organic Carbon	1.2	mg/L	11/27/2001	09:45	1.0	KB	EPA 415.1
Total Organic Carbon - b	1.2	mg/L	11/27/2001	09:45	1.0	KB	EPA 415.1
Total Organic Carbon - c	1.1	mg/L	11/27/2001	09:45	1.0	KB	EPA 415.1
Total Organic Carbon - d	1.1	mg/L	11/27/2001	09:45	1.0	KB	EPA 415.1
Acrylonitrile	<0.008	mg/L	11/13/2001	16:45	0.008	PR	SW 8015B
Acrylonitrile (b)	<0.008	mg/L	11/14/2001	09:41	0.008	PR	SW 8015B
Acetonitrile	<0.015	mg/L	11/13/2001	16:45	0.015	PR	SW 8015B
Acetonitrile (b)	<0.015	mg/L	11/14/2001	09:41	0.015	PR	SW 8015B
Cyanide	<0.01	mg/L	11/15/2001	08:15	0.01	SD	SW 9010
Cyanide (b)	<0.01	mg/L	11/15/2001	08:15	0.01	SD	SW 9010

TEST DESCRIPTION	BLANK	LCS % REC	DUP RPD	RPD LIMIT	MS % REC	MSD % REC	% REC LIMITS
Manganese	<0.01	93.0	1.5	10	97.1	95.7	75 - 125
Iron, ICP	<0.01	92.8	7.7	20	85.1	91.9	75 - 125
Silver, ICP	<0.01	98.1	1.3	20	92.6	93.8	75 - 125
Total Organic Carbon	<1.0	101	3.8	20	106	102	75 - 125
Total Organic Carbon - b	<1.0	101	3.8	20	106	102	75 - 125
Total Organic Carbon - c	<1.0	101	3.8	20	106	102	75 - 125
Total Organic Carbon - d	<1.0	101	3.8	20	106	102	75 - 125
Acrylonitrile	<0.008	83.9	0.0	20	81.0	N/A	75 - 125
Acrylonitrile (b)	<0.008	83.9	0.0	20	81.0	N/A	75 - 125
Acetonitrile	<0.015	104	0.0	20	97.7	N/A	75 - 125
Acetonitrile (b)	<0.015	104	0.0	20	97.7	N/A	75 - 125
Cyanide	<0.01	97.5	0.0	20	102	N/A	75 - 125
Cyanide (b)	<0.01	97.5	0.0	20	102	N/A	75 - 125

Approved By:

Kevin Baros
General Manager

Method References:
Black, C.A. et al (ed.) Methods of Soil Analysis, 1965
EPA - EPA Methods for Chemical Analysis of Water & Wastes, EPA-600/4-79-020, 1983
SM - Standard Methods for the Examination of Water & Wastewater, 18th Ed. 1992
SW - EPA Test Methods for Evaluating Solid Waste, SW-846 3rd Edition, 1986
U.S. Department of Agriculture Handbook No. 60

Cr Conc. Limit = 0.01 mg/L

Resample on 12/06/2001

B ENVIRO
2713 Houston Hwy. Victoria, T 372-8224

REPORT OF SAM

TO: Wayne LaCroix
BP Chemical
P.O. Box 659
Port Lavaca, TX 77979

CLIENT INFORMATION		*LABORATORY INFORMATION*	
Project Name:	NTLF Groundwater	**LAB Sample #:**	49214
Sample ID:	U-2	**Date Received:**	11/09/2001
Date Taken:	11/08/2001	**Time Received:**	09:55
Time Taken:	1735	**Report Date:**	12/03/2001

TEST DESCRIPTION	SAMPLE RESULT	UNITS	ANALYZED DATE	ANALYZED TIME	MDL	RUN BY	METHOD USED
Chromium, GFAA	0.012	mg/L	11/28/2001	16:46	0.005	KB	EPA 218.2
Chromium, GFAA (b)	0.013	mg/L	11/28/2001	16:46	0.005	KB	EPA 218.2
Chromium, GFAA (diss)	<0.005	mg/L	11/28/2001	16:46	0.005	KB	EPA 218.2
Chromium, GFAA (diss) - b	<0.005	mg/L	11/28/2001	16:46	0.005	KB	EPA 218.2
Arsenic, GFAA	0.002	mg/L	11/27/2001	13:26	0.002	KB	EPA 206.2
Barium, ICP	0.13	mg/L	11/12/2001	10:29	0.01	SD	EPA 200.7
Cadmium, GFAA	<0.0005	mg/L	11/28/2001	09:58	0.0005	KB	EPA 213.2
Lead, GFAA	<0.002	mg/L	11/28/2001	14:05	0.002	KB	EPA 239.2
Mercury, CVAA	<0.0002	mg/L	11/21/2001	13:24	0.0002	DY	EPA 245.1
Selenium, GFAA	<0.002	mg/L	11/27/2001	13:26	0.002	KB	EPA 270.2
Chloride	460	mg/L	11/19/2001	15:30	0.5	DT	EPA 325.1
Sodium, AA	420	mg/L	11/27/2001	09:00	0.1	SD	EPA 273.1
Sulfate	65	mg/L	11/20/2001	13:00	1	SD	EPA 375.4

TEST DESCRIPTION	BLANK	LCS % REC	DUP RPD	RPD LIMIT	MS % REC	MSD % REC	% REC LIMITS
Chromium, GFAA	<0.005	93.0	4.5	20	97.5	102	75 - 125
Chromium, GFAA (b)	<0.005	93.0	4.5	20	97.5	102	75 - 125
Chromium, GFAA (diss)	<0.005	93.0	1.9	20	103	105	75 - 125
Chromium, GFAA (diss) - b	<0.005	93.0	1.9	20	103	105	75 - 125
Arsenic, GFAA	<0.002	105	4.7	20	109	104	75 - 125
Barium, ICP	<0.01	101	1.8	20	113	115	75 - 125
Cadmium, GFAA	<0.0005	94.3	3.4	20	91.8	95.0	75 - 125
Lead, GFAA	<0.002	119	6.2	20	100	94.0	75 - 125
Mercury, CVAA	<0.0002	83.2	3.1	20	86.1	88.8	75 - 125
Selenium, GFAA	<0.002	112	0.0	20	104	104	75 - 125
Chloride	<0.5	95.0	2.0	20	94.1	N/A	75 - 125
Sodium, AA	<0.10	107	0.9	20	106	105	75 - 125
Sulfate	<1	88.0	0.0	20	106	106	75 - 125

Approved By:

Kevin Baros
General Manager

Method References.
Black, C.A. et al (ed.) Methods of Soil Analysis. 1965
EPA - EPA, Methods for Chemical Analysis of Water & Wastes. EPA-600/4-79-020. 1983
SM - Standard Methods for the Examination of Water & Wastewater. 18th Ed. 1992
SW - EPA Test Methods for Evaluating Solid Waste. SW-846 3rd Edition. 1986
U.S. Department of Agriculture Handbook No. 60

B ENVIRONMENTAL
2713 Houston Hwy. Victoria, TX 77901 (361) 572-8224

REPORT OF SAMPLE ANALYSIS

TO: Wayne LaCroix
BP Chemical
P.O. Box 659
Port Lavaca, TX 77979

CLIENT INFORMATION		LABORATORY INFORMATION	
Project Name:	NTLF Groundwater	LAB Sample #:	49214
Sample ID:	U-2	Date Received:	11/09/2001
Date Taken:	11/08/2001	Time Received:	09:55
Time Taken:	1735	Report Date:	12/03/2001

TEST DESCRIPTION	SAMPLE RESULT	UNITS	ANALYZED DATE	ANALYZED TIME	MDL	RUN BY	METHOD USED
Phenolics, total	<0.005	mg/L	11/21/2001	17:00	0.005	DT	EPA 420.1

TEST DESCRIPTION	BLANK	LCS % REC	DUP RPD	RPD LIMIT	MS % REC	MSD % REC	% REC LIMITS
Phenolics, total	<0.005	86.7	0.0	20	80.8	N/A	75 - 125

Approved By:

Kevin Baros
General Manager

Method References:
Black, C.A. et al (ed.) Methods of Soil Analysis. 1965
EPA - EPA Methods for Chemical Analysis of Water & Wastes. EPA-600/4-79-020. 1983
SM - Standard Methods for the Examination of Water & Wastewater. 18th Ed. 1992
SW - EPA Test Methods for Evaluating Solid Waste, SW-846 3rd Edition. 1986
U.S. Department of Agriculture Handbook No. 60

B ENVIRONMENTAL
2713 Houston Hwy. Victoria, TX 77901 (361) 572-8224

REPORT OF SAMPLE ANALYSIS

TO: Wayne LaCroix
BP Chemical
P.O. Box 659
Port Lavaca, TX 77979

CLIENT INFORMATION		LABORATORY INFORMATION	
Project Name:	NTLF Groundwater	LAB Sample #:	49215
Sample ID:	U-3	Date Received:	11/09/2001
Date Taken:	11/08/2001	Time Received:	09:55
Time Taken:	1815	Report Date:	12/03/2001

TEST DESCRIPTION	SAMPLE RESULT	UNITS	ANALYZED DATE	ANALYZED TIME	MDL	RUN BY	METHOD USED
Manganese	0.03	mg/L	11/26/2001	16:44	0.01	SD	EPA 200.7
Iron, ICP	1.02	mg/L	11/12/2001	14:53	0.01	SD	EPA 200.7
Silver, ICP	<0.01	mg/L	11/14/2001	10:44	0.01	SD	EPA 200.7
Total Organic Carbon	<1.0	mg/L	11/27/2001	09:45	1.0	KB	EPA 415.1
Total Organic Carbon - b	<1.0	mg/L	11/27/2001	09:45	1.0	KB	EPA 415.1
Total Organic Carbon - c	<1.0	mg/L	11/27/2001	09:45	1.0	KB	EPA 415.1
Total Organic Carbon - d	<1.0	mg/L	11/27/2001	09:45	1.0	KB	EPA 415.1
Acrylonitrile	<0.008	mg/L	11/14/2001	10:33	0.008	PR	SW 8015B
Acrylonitrile (b)	<0.008	mg/L	11/14/2001	11:10	0.008	PR	SW 8015B
Acetonitrile	<0.015	mg/L	11/14/2001	10:33	0.015	PR	SW 8015B
Acetonitrile (b)	<0.015	mg/L	11/14/2001	11:10	0.015	PR	SW 8015B
Cyanide	<0.01	mg/L	11/19/2001	08:00	0.01	SD	SW 9010
Cyanide (b)	<0.01	mg/L	11/19/2001	08:00	0.01	SD	SW 9010

TEST DESCRIPTION	BLANK	LCS % REC	DUP RPD	RPD LIMIT	MS % REC	MSD % REC	% REC LIMITS
Manganese	<0.01	93.0	1.5	10	97.1	95.7	75 - 125
Iron, ICP	<0.01	92.8	7.7	20	85.1	91.9	75 - 125
Silver, ICP	<0.01	98.1	1.3	20	92.6	93.8	75 - 125
Total Organic Carbon	<1.0	101	3.8	20	106	102	75 - 125
Total Organic Carbon - b	<1.0	101	3.8	20	106	102	75 - 125
Total Organic Carbon - c	<1.0	101	3.8	20	106	102	75 - 125
Total Organic Carbon - d	<1.0	101	3.8	20	106	102	75 - 125
Acrylonitrile	<0.008	83.9	0.0	20	81.0	N/A	75 - 125
Acrylonitrile (b)	<0.008	83.9	0.0	20	81.0	N/A	75 - 125
Acetonitrile	<0.015	104	0.0	20	97.7	N/A	75 - 125
Acetonitrile (b)	<0.015	104	0.0	20	97.7	N/A	75 - 125
Cyanide	<0.01	107	0.0	20	104	N/A	75 - 125
Cyanide (b)	<0.01	107	0.0	20	104	N/A	75 - 125

Approved By:

Kevin Baros
General Manager

Method References:
Black, C.A. et al (ed.) Methods of Soil Analysis, 1965
EPA - EPA Methods for Chemical Analysis of Water & Wastes, EPA-600/4-79-020, 1983
SM - Standard Methods for the Examination of Water & Wastewater, 18th Ed. 1992
SW - EPA Test Methods for Evaluating Solid Waste, SW-846 3rd Edition, 1986
U.S. Department of Agriculture Handbook No. 60

Cr Conc. Limit = 0.01 mg/L

Resample on 12/06/2001.

B ENVIRO
2713 Houston Hwy. Victoria, T. 72-8224

REPORT OF SAM

TO: Wayne LaCroix
BP Chemical
P.O. Box 659
Port Lavaca, TX 77979

CLIENT INFORMATION		LABORATORY INFORMATION	
Project Name:	NTLF Groundwater	LAB Sample #:	49215
Sample ID:	U-3	Date Received:	11/09/2001
Date Taken:	11/08/2001	Time Received:	09:55
Time Taken:	1815	Report Date:	12/03/2001

TEST DESCRIPTION	SAMPLE RESULT	UNITS	ANALYZED DATE	ANALYZED TIME	MDL	RUN BY	METHOD USED
Chromium, GFAA	0.74	mg/L	11/28/2001	16:46	0.005	KB	EPA 218.2
Chromium, GFAA (b)	0.16	mg/L	11/28/2001	16:46	0.005	KB	EPA 218.2
Chromium, GFAA (diss)	0.92	mg/L	11/28/2001	16:46	0.005	KB	EPA 218.2
Chromium, GFAA (diss) - b	0.96	mg/L	11/28/2001	16:46	0.005	KB	EPA 218.2
Arsenic, GFAA	0.003	mg/L	11/27/2001	13:26	0.002	KB	EPA 206.2
Barium, ICP	0.10	mg/L	11/12/2001	10:29	0.01	SD	EPA 200.7
Cadmium, GFAA	<0.0005	mg/L	11/28/2001	09:58	0.0005	KB	EPA 213.2
Lead, GFAA	<0.002	mg/L	11/28/2001	14:05	0.002	KB	EPA 239.2
Mercury, CVAA	<0.0002	mg/L	11/21/2001	13:24	0.0002	DY	EPA 245.1
Selenium, GFAA	<0.002	mg/L	11/27/2001	13:26	0.002	KB	EPA 270.2
Chloride	868	mg/L	11/19/2001	15:30	0.5	DT	EPA 325.1
Sodium, AA	651	mg/L	11/27/2001	09:00	0.1	SD	EPA 273.1
Sulfate	85	mg/L	11/20/2001	13:00	1	SD	EPA 375.4

TEST DESCRIPTION	BLANK	LCS % REC	DUP RPD	RPD LIMIT	MS % REC	MSD % REC	% REC LIMITS
Chromium, GFAA	<0.005	93.0	4.5	20	97.5	102	75 - 125
Chromium, GFAA (b)	<0.005	93.0	4.5	20	97.5	102	75 - 125
Chromium, GFAA (diss)	<0.005	93.0	1.9	20	103	105	75 - 125
Chromium, GFAA (diss) - b	<0.005	93.0	1.9	20	103	105	75 - 125
Arsenic, GFAA	<0.002	105	4.7	20	109	104	75 - 125
Barium, ICP	<0.01	101	1.8	20	113	115	75 - 125
Cadmium, GFAA	<0.0005	94.3	3.4	20	91.8	95.0	75 - 125
Lead, GFAA	<0.002	119	6.2	20	100	94.0	75 - 125
Mercury, CVAA	<0.0002	83.2	3.1	20	86.1	88.8	75 - 125
Selenium, GFAA	<0.002	112	0.0	20	104	104	75 - 125
Chloride	<0.5	95.0	2.0	20	94.1	N/A	75 - 125
Sodium, AA	<0.10	107	0.9	20	106	105	75 - 125
Sulfate	<1	88.0	0.0	20	106	106	75 - 125

Approved By.

Kevin Baros
General Manager

Method References:
Black, C.A. et al (ed.) Methods of Soil Analysis, 1965
EPA - EPA Methods for Chemical Analysis of Water & Wastes, EPA-600/4-79-020, 1983
SM - Standard Methods for the Examination of Water & Wastewater, 18th Ed. 1992
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B ENVIRONMENTAL
Victoria, TX 77901
2713 Houston Hwy. (361) 572-8224

REPORT OF SAMPLE ANALYSIS

TO: Wayne LaCroix
BP Chemical
P.O. Box 659
Port Lavaca, TX 77979

CLIENT INFORMATION		LABORATORY INFORMATION	
Project Name:	NTLF Groundwater	LAB Sample #:	49215
Sample ID:	U-3	Date Received:	11/09/2001
Date Taken:	11/08/2001	Time Received:	09:55
Time Taken:	1815	Report Date:	12/03/2001

TEST DESCRIPTION	SAMPLE RESULT	UNITS	ANALYZED DATE	ANALYZED TIME	MDL	RUN BY	METHOD USED
Phenolics, total	<0.005	mg/L	11/11/2001	17:00	0.005	BT	EPA 420.1

TEST DESCRIPTION	BLANK	LCS % REC	DUP RPD	RPD LIMIT	MS % REC	MSD % REC	% REC LIMITS
Phenolics, total	<0.005	86.7	0.0	20	80.8	N/A	75 - 125

Approved By:

Kevin Baros
General Manager

Method References.
Black, C.A. et al (ed.) Methods of Soil Analysis. 1965
EPA - EPA Methods for Chemical Analysis of Water & Wastes. EPA-600/4-79-020, 1983
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B ENVIRONMENTAL
Victoria, TX 77901
2713 Houston Hwy. (361) 572-8224

REPORT OF SAMPLE ANALYSIS

TO: Wayne LaCroix
BP Chemical
P.O. Box 659
Port Lavaca, TX 77979

CLIENT INFORMATION		LABORATORY INFORMATION	
Project Name:	NTLP Groundwater	LAB Sample #:	49213
Sample ID:	D-4	Date Received:	11/09/2001
Date Taken:	11/08/2001	Time Received:	09:55
Time Taken:	1705	Report Date:	12/03/2001

TEST DESCRIPTION	SAMPLE RESULT	UNITS	ANALYZED DATE	ANALYZED TIME	MDL	RUN BY	METHOD USED
Manganese	0.01	mg/L	11/26/2001	16:44	0.01	SD	EPA 200.7
Iron, ICP	0.13	mg/L	11/12/2001	14:53	0.01	SD	EPA 200.7
Silver, ICP	<0.01	mg/L	11/14/2001	10:44	0.01	SD	EPA 200.7
Total Organic Carbon	1.4	mg/L	11/27/2001	09:45	1.0	KB	EPA 415.1
Total Organic Carbon - b	1.4	mg/L	11/27/2001	09:45	1.0	KB	EPA 415.1
Total Organic Carbon - c	1.5	mg/L	11/27/2001	09:45	1.0	KB	EPA 415.1
Total Organic Carbon - d	1.6	mg/L	11/27/2001	09:45	1.0	KB	EPA 415.1
Acrylonitrile	<0.008	mg/L	11/13/2001	15:30	0.008	PR	SW 8015B
Acrylonitrile (b)	<0.008	mg/L	11/13/2001	16:08	0.008	PR	SW 8015B
Acetonitrile	<0.015	mg/L	11/13/2001	15:30	0.015	PR	SW 8015B
Acetonitrile (b)	<0.015	mg/L	11/13/2001	16:08	0.015	PR	SW 8015B
Cyanide	<0.01	mg/L	11/15/2001	08:15	0.01	SD	SW 9010
Cyanide (b)	<0.01	mg/L	11/15/2001	08:15	0.01	SD	SW 9010

TEST DESCRIPTION	BLANK	LCS % REC	DUP RPD	RPD LIMIT	MS % REC	MSD % REC	% REC LIMITS
Manganese	<0.01	93.0	1.5	10	97.1	95.7	75 - 125
Iron, ICP	<0.01	92.8	7.7	20	85.1	91.9	75 - 125
Silver, ICP	<0.01	98.1	1.3	20	92.6	93.8	75 - 125
Total Organic Carbon	<1.0	101	3.8	20	106	102	75 - 125
Total Organic Carbon - b	<1.0	101	3.8	20	106	102	75 - 125
Total Organic Carbon - c	<1.0	101	3.8	20	106	102	75 - 125
Total Organic Carbon - d	<1.0	101	3.8	20	106	102	75 - 125
Acrylonitrile	<0.008	83.9	0.0	20	81.0	N/A	75 - 125
Acrylonitrile (b)	<0.008	83.9	0.0	20	81.0	N/A	75 - 125
Acetonitrile	<0.015	104	0.0	20	97.7	N/A	75 - 125
Acetonitrile (b)	<0.015	104	0.0	20	97.7	N/A	75 - 125
Cyanide	<0.01	97.5	0.0	20	102	N/A	75 - 125
Cyanide (b)	<0.01	97.5	0.0	20	102	N/A	75 - 125

Approved By:

Kevin Baros
General Manager

Method References:
Black, C.A et al (ed.) Methods of Soil Analysis, 1965
EPA - EPA Methods for Chemical Analysis of Water & Wastes, EPA-600/4-79-020, 1983
SM - Standard Methods for the Examination of Water & Wastewater, 18th Ed. 1992
SW - EPA Test Methods for Evaluating Solid Waste, SW-846 3rd Edition, 1986
U.S. Department of Agriculture Handbook No. 60

B ENVIRONMENTAL
2713 Houston Hwy. Victoria, TX 77901 (361) 572-8224

REPORT OF SAMPLE ANALYSIS

TO: Wayne LaCroix
BP Chemical
P.O. Box 659
Port Lavaca, TX 77979

CLIENT INFORMATION		LABORATORY INFORMATION	
Project Name:	NTLF Groundwater	LAB Sample #:	49213
Sample ID:	D-4	Date Received:	11/09/2001
Date Taken:	11/08/2001	Time Received:	09:55
Time Taken:	1705	Report Date:	12/03/2001

TEST DESCRIPTION	SAMPLE RESULT	UNITS	ANALYZED DATE	ANALYZED TIME	MDL	RUN BY	METHOD USED
Chromium, GFAA	<0.005	mg/L	11/28/2001	16:46	0.005	KB	EPA 218.2
Chromium, GFAA (b)	<0.005	mg/L	11/28/2001	16:46	0.005	KB	EPA 218.2
Chromium, GFAA (diss)	<0.005	mg/L	11/28/2001	16:46	0.005	KB	EPA 218.2
Chromium, GFAA (diss) - b	<0.005	mg/L	11/28/2001	16:46	0.005	KB	EPA 218.2
Arsenic, GFAA	0.011	mg/L	11/27/2001	13:26	0.002	KB	EPA 206.2
Barium, ICP	0.06	mg/L	11/12/2001	10:29	0.01	SD	EPA 200.7
Cadmium, GFAA	<0.0005	mg/L	11/28/2001	09:58	0.0005	KB	EPA 213.2
Lead, GFAA	<0.002	mg/L	11/28/2001	14:05	0.002	KB	EPA 239.2
Mercury, CVAA	<0.0002	mg/L	11/21/2001	13:24	0.0002	DY	EPA 245.1
Selenium, GFAA	<0.002	mg/L	11/27/2001	13:26	0.002	KB	EPA 270.2
Chloride	218	mg/L	11/19/2001	15:30	0.5	DT	EPA 325.1
Sodium, AA	194	mg/L	11/27/2001	09:00	0.1	SD	EPA 273.1
Sulfate	60	mg/L	11/20/2001	13:00	1	SD	EPA 375.4

TEST DESCRIPTION	BLANK	LCS % REC	DUP RPD	RPD LIMIT	MS % REC	MSD % REC	% REC LIMITS
Chromium, GFAA	<0.005	93.0	4.5	20	97.5	102	75 - 125
Chromium, GFAA (b)	<0.005	93.0	4.5	20	97.5	102	75 - 125
Chromium, GFAA (diss)	<0.005	93.0	1.9	20	103	105	75 - 125
Chromium, GFAA (diss) - b	<0.005	93.0	1.9	20	103	105	75 - 125
Arsenic, GFAA	<0.002	105	4.7	20	109	104	75 - 125
Barium, ICP	<0.01	101	1.8	20	113	115	75 - 125
Cadmium, GFAA	<0.0005	94.3	3.4	20	91.8	95.0	75 - 125
Lead, GFAA	<0.002	119	6.2	20	100	94.0	75 - 125
Mercury, CVAA	<0.0002	83.2	3.1	20	86.1	88.8	75 - 125
Selenium, GFAA	<0.002	112	0.0	20	104	104	75 - 125
Chloride	<0.5	95.0	2.0	20	94.1	N/A	75 - 125
Sodium, AA	<0.10	107	0.9	20	106	105	75 - 125
Sulfate	<1	88.0	0.0	20	106	106	75 - 125

Approved By:

Kevin Baros
General Manager

Method References:
Black, C.A. et al (ed.) Methods of Soil Analysis, 1965
EPA - EPA Methods for Chemical Analysis of Water & Wastes, EPA-600/4-79-020, 1983
SM - Standard Methods for the Examination of Water & Wastewater, 18th Ed. 1992
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REPORT OF SAMPLE ANALYSIS

TO: Wayne LaCroix
BP Chemical
P.O. Box 659
Port Lavaca, TX 77979

CLIENT INFORMATION		LABORATORY INFORMATION	
Project Name:	NTLF Groundwater	LAB Sample #:	49213
Sample ID:	D-4	Date Received:	11/09/2001
Date Taken:	11/08/2001	Time Received:	09:55
Time Taken:	1705	Report Date:	12/03/2001

TEST DESCRIPTION	SAMPLE RESULT	UNITS	ANALYZED DATE	ANALYZED TIME	MDL	RUN BY	METHOD USED
Phenolics, total	<0.005	mg/L	11/21/2001	17:00	0.005	DT	EPA 420.1

TEST DESCRIPTION	BLANK	LCS % REC	DUP RPD	RPD LIMIT	MS % REC	MSD % REC	% REC LIMITS
Phenolics, total	<0.005	86.7	0.0	20	80.8	N/A	75 - 125

Approved By:

Kevin Baros
General Manager

Method References:
Black, C.A. et al (ed.) Methods of Soil Analysis, 1965
EPA - EPA Methods for Chemical Analysis of Water & Wastes, EPA-600/4-79-020, 1983
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Cr Resample.

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2713 Houston Hwy. (361) 572-8224

ANALYSIS

TO: Wayne LaC
BP Chemic
P.O. Box 6
Port Lavac

CLIENT INFORMATION		LABORATORY INFORMATION	
Project Name:	NTLF Groundwater	LAB Sample #:	49208
Sample ID:	D-5	Date Received:	11/09/2001
Date Taken:	11/08/2001	Time Received:	09:55
Time Taken:	1935	Report Date:	12/03/2001

TEST DESCRIPTION	SAMPLE RESULT	UNITS	ANALYZED DATE	TIME	MDL	RUN BY	METHOD USED
Chromium, GFAA	0.012	mg/L	11/28/2001	16:46	0.005	KB	EPA 218.2
Chromium, GFAA (b)	0.011	mg/L	11/28/2001	16:46	0.005	KB	EPA 218.2
Chromium, GFAA (diss)	<0.005	mg/L	11/28/2001	16:46	0.005	KB	EPA 218.2
Chromium, GFAA (diss) - b	<0.005	mg/L	11/28/2001	16:46	0.005	KB	EPA 218.2
Arsenic, GFAA	<0.002	mg/L	11/27/2001	13:26	0.002	KB	EPA 206.2
Barium, ICP	0.08	mg/L	11/12/2001	10:29	0.01	SD	EPA 200.7
Cadmium, GFAA	<0.0005	mg/L	11/28/2001	09:58	0.0005	KB	EPA 213.2
Lead, GFAA	<0.002	mg/L	11/28/2001	14:05	0.002	KB	EPA 239.2
Mercury, CVAA	<0.0002	mg/L	11/21/2001	13:24	0.0002	DY	EPA 245.1
Selenium, GFAA	<0.002	mg/L	11/27/2001	13:26	0.002	KB	EPA 270.2
Chloride	386	mg/L	11/19/2001	15:30	0.5	DT	EPA 325.1
Sodium, AA	269	mg/L	11/27/2001	09:00	0.1	SD	EPA 273.1
Sulfate	85	mg/L	11/20/2001	13:00	1	SO	EPA 375.4

TEST DESCRIPTION	BLANK	LCS % REC	DUP RPD	RPD LIMIT	MS % REC	MSD % REC	% REC LIMITS
Chromium, GFAA	<0.005	93.0	4.5	20	97.5	102	75 - 125
Chromium, GFAA (b)	<0.005	93.0	4.5	20	97.5	102	75 - 125
Chromium, GFAA (diss)	<0.005	93.0	1.9	20	103	105	75 - 125
Chromium, GFAA (diss) - b	<0.005	93.0	1.9	20	103	105	75 - 125
Arsenic, GFAA	<0.002	105	4.7	20	109	104	75 - 125
Barium, ICP	<0.01	101	1.8	20	113	115	75 - 125
Cadmium, GFAA	<0.0005	94.3	3.4	20	91.8	95.0	75 - 125
Lead, GFAA	<0.002	119	6.2	20	100	94.0	75 - 125
Mercury, CVAA	<0.0002	83.2	3.1	20	86.1	88.8	75 - 125
Selenium, GFAA	<0.002	112	0.0	20	104	104	75 - 125
Chloride	<0.5	95.0	2.0	20	94.1	N/A	75 - 125
Sodium, AA	<0.10	107	0.9	20	106	105	75 - 125
Sulfate	<1	98.0	0.0	20	100	100	75 - 125

Approved By:

Kevin Baros
General Manager

Method References:
Black, C.A. et al (ed.) Methods of Soil Analysis. 1965
EPA - EPA Methods for Chemical Analysis of Water & Wastes, EPA-600/4-79-020. 1983
SM - Standard Methods for the Examination of Water & Wastewater, 18th Ed. 1992
SW - EPA Test Methods for Evaluating Solid Waste, SW-846 3rd Edition, 1986
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B ENVIRONMENTAL
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2713 Houston Hwy. (361) 572-8224

REPORT OF SAMPLE ANALYSIS

TO: Wayne LaCroix
BP Chemical
P.O. Box 659
Port Lavaca, TX 77979

CLIENT INFORMATION		LABORATORY INFORMATION	
Project Name:	NTLF Groundwater	LAB Sample #:	49208
Sample ID:	D-5	Date Received:	11/09/2001
Date Taken:	11/08/2001	Time Received:	09:55
Time Taken:	1335	Report Date:	12/03/2001

TEST DESCRIPTION	SAMPLE RESULT	UNITS	ANALYZED DATE	ANALYZED TIME	MDL	RUN BY	METHOD USED
Phenolics, total	<0.005	mg/L	11/21/2001	17:00	0.005	DT	EPA 420.1

TEST DESCRIPTION	BLANK	LCS % REC	DUP RPD	RPD LIMIT	MS % REC	MSD % REC	% REC LIMITS
Phenolics, total	<0.005	86.7	0.0	20	80.8	N/A	75 - 125

Approved By:

Kevin Baros
General Manager

Method References:
Black, C.A. et al (ed.) Methods of Soil Analysis, 1965
EPA - EPA Methods for Chemical Analysis of Water & Wastes, EPA-600/4-79-020, 1983
SM - Standard Methods for the Examination of Water & Wastewater, 18th Ed. 1992
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REPORT OF SAMPLE ANALYSIS

TO: Wayne LaCroix
BP Chemical
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Port Lavaca, TX 77979

CLIENT INFORMATION		LABORATORY INFORMATION	
Project Name:	NTLF Groundwater	LAB Sample #:	49212
Sample ID:	D-6	Date Received:	11/09/2001
Date Taken:	11/08/2001	Time Received:	09:55
Time Taken:	1645	Report Date:	12/03/2001

TEST DESCRIPTION	SAMPLE RESULT	UNITS	ANALYZED DATE	ANALYZED TIME	MDL	RUN BY	METHOD USED
Chromium, GFAA	<0.005	mg/L	11/28/2001	16:46	0.005	KB	EPA 218.2
Chromium, GFAA (b)	<0.005	mg/L	11/28/2001	16:46	0.005	KB	EPA 218.2
Chromium, GFAA (diss)	<0.005	mg/L	11/28/2001	16:46	0.005	KB	EPA 218.2
Chromium, GFAA (diss) - b	<0.005	mg/L	11/28/2001	16:46	0.005	KB	EPA 218.2
Arsenic, GFAA	<0.002	mg/L	11/27/2001	13:26	0.002	KB	EPA 206.2
Barium, ICP	0.12	mg/L	11/12/2001	10:39	0.01	SD	EPA 200.7
Cadmium, GFAA	<0.0005	mg/L	11/28/2001	09:58	0.0005	KB	EPA 213.2
Lead, GFAA	<0.002	mg/L	11/28/2001	14:05	0.002	KB	EPA 239.2
Mercury, CVAA	<0.0002	mg/L	11/21/2001	13:24	0.0002	DY	EPA 245.1
Selenium, GFAA	<0.002	mg/L	11/27/2001	13:26	0.002	KB	EPA 270.2
Chloride	202	mg/L	11/19/2001	15:30	0.5	DT	EPA 325.1
Sodium, AA	187	mg/L	11/27/2001	09:00	0.1	SD	EPA 273.1
Sulfate	70	mg/L	11/20/2001	13:00	1	SD	EPA 375.4

TEST DESCRIPTION	BLANK	LCS % REC	DUP RPD	RPD LIMIT	MS % REC	MSD % REC	% REC LIMITS
Chromium, GFAA	<0.005	93.0	4.5	20	97.5	102	75 - 125
Chromium, GFAA (b)	<0.005	93.0	4.5	20	97.5	102	75 - 125
Chromium, GFAA (diss)	<0.005	93.0	1.9	20	103	105	75 - 125
Chromium, GFAA (diss) - b	<0.005	93.0	1.9	20	103	105	75 - 125
Arsenic, GFAA	<0.002	105	4.7	20	109	104	75 - 125
Barium, ICP	<0.01	101	1.8	20	113	115	75 - 125
Cadmium, GFAA	<0.0005	94.3	3.4	20	91.8	95.0	75 - 125
Lead, GFAA	<0.002	119	6.2	20	100	94.0	75 - 125
Mercury, CVAA	<0.0002	83.2	3.1	20	86.1	88.8	75 - 125
Selenium, GFAA	<0.002	112	0.0	20	104	104	75 - 125
Chloride	<0.5	95.0	2.0	20	94.1	N/A	75 - 125
Sodium, AA	<0.10	107	0.9	20	106	105	75 - 125
Sulfate	<1	88.0	0.0	20	106	106	75 - 125

Approved By:

Kevin Baros
General Manager

Method References.
Black, C.A. et al (ed.) Methods of Soil Analysis. 1965
EPA - EPA Methods for Chemical Analysis of Water & Wastes, EPA-600/4-79-020, 1983
SM - Standard Methods for the Examination of Water & Wastewater. 18th Ed. 1992
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REPORT OF SAMPLE ANALYSIS

TO: Wayne LaCroix
BP Chemical
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Port Lavaca, TX 77979

CLIENT INFORMATION		LABORATORY INFORMATION	
Project Name:	NTLF Groundwater	LAB Sample #:	49213
Sample ID:	D-8	Date Received:	11/09/2001
Date Taken:	11/08/2001	Time Received:	09:55
Time Taken:	1645	Report Date:	12/03/2001

TEST DESCRIPTION	SAMPLE RESULT	UNITS	ANALYZED DATE	ANALYZED TIME	MDL	RUN BY	METHOD USED
Phenolics, total	<0.005	mg/L	11/21/2001	17:00	0.005	DT	EPA 420.1

TEST DESCRIPTION	BLANK	LCS % REC	DUP RPD	RPD LIMIT	MS % REC	MSD % REC	% REC LIMITS
Phenolics, total	<0.005	86.7	0.0	20	80.8	N/A	75 - 125

Approved By:

Kevin Baros
General Manager

Method References:
Black, C.A. et al (ed.) Methods of Soil Analysis, 1965
EPA - EPA Methods for Chemical Analysis of Water & Wastes, EPA-600/4-79-020, 1983
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B ENVIRONMENTAL
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REPORT OF SAMPLE ANALYSIS

TO: Wayne LaCroix
BP Chemical
P.O. Box 659
Port Lavaca, TX 77979

CLIENT INFORMATION		LABORATORY INFORMATION	
Project Name:	NTLF Groundwater	LAB Sample #:	49212
Sample ID:	D-6	Date Received:	11/09/2001
Date Taken:	11/08/2001	Time Received:	09:55
Time Taken:	1645	Report Date:	12/03/2001

TEST DESCRIPTION	SAMPLE RESULT	UNITS	ANALYZED DATE	ANALYZED TIME	MDL	RUN BY	METHOD USED
Manganese	0.16	mg/L	11/20/2001	16:44	0.01	SD	EPA 200.7
Iron, ICP	0.03	mg/L	11/12/2001	14:53	0.01	SD	EPA 200.7
Silver, ICP	<0.01	mg/L	11/14/2001	10:44	0.01	SD	EPA 200.7
Total Organic Carbon	<1.0	mg/L	11/27/2001	09:45	1.0	KB	EPA 415.1
Total Organic Carbon - b	1.3	mg/L	11/27/2001	09:45	1.0	KB	EPA 415.1
Total Organic Carbon - c	<1.0	mg/L	11/27/2001	09:45	1.0	KB	EPA 415.1
Total Organic Carbon - d	<1.0	mg/L	11/27/2001	09:45	1.0	KB	EPA 415.1
Acrylonitrile	<0.008	mg/L	11/13/2001	14:15	0.008	PR	SW 8015B
Acrylonitrile (b)	<0.008	mg/L	11/13/2001	14:53	0.008	PR	SW 8015B
Acetonitrile	<0.015	mg/L	11/13/2001	14:15	0.015	PR	SW 8015B
Acetonitrile (b)	<0.015	mg/L	11/13/2001	14:53	0.015	PR	SW 8015B
Cyanide	<0.01	mg/L	11/15/2001	08:15	0.01	SD	SW 9010
Cyanide (b)	<0.01	mg/L	11/15/2001	08:15	0.01	SD	SW 9010

TEST DESCRIPTION	BLANK	LCS % REC	DUP RPD	RPD LIMIT	MS % REC	MSD % REC	% REC LIMITS
Manganese	<0.01	93.0	1.3	10	97.1	95.7	75 - 125
Iron, ICP	<0.01	92.8	7.7	20	85.1	91.9	75 - 125
Silver, ICP	<0.01	94.1	1.3	20	92.0	93.8	75 - 125
Total Organic Carbon	<1.0	101	3.8	20	106	102	75 - 125
Total Organic Carbon - b	<1.0	101	3.8	20	106	102	75 - 125
Total Organic Carbon - c	<1.0	101	3.8	20	106	102	75 - 125
Total Organic Carbon - d	<1.0	101	3.8	20	106	102	75 - 125
Acrylonitrile	<0.008	83.9	0.0	20	81.0	N/A	75 - 125
Acrylonitrile (b)	<0.008	83.9	0.0	20	81.0	N/A	75 - 125
Acetonitrile	<0.015	104	0.0	20	97.7	N/A	75 - 125
Acetonitrile (b)	<0.015	104	0.0	20	97.7	N/A	75 - 125
Cyanide	<0.01	97.5	0.0	20	102	N/A	75 - 125
Cyanide (b)	<0.01	97.5	0.0	20	102	N/A	75 - 125

Approved By:

Kevin Baros
General Manager

Method References:
Black, C.A. et al (ed.) Methods of Soil Analysis, 1965
EPA - EPA Methods for Chemical Analysis of Water & Wastes, EPA-600/4-79-020, 1983
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B ENVIRONMENTAL
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REPORT OF SAMPLE ANALYSIS

TO: Wayne LaCroix
BP Chemical
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Port Lavaca, TX 77979

CLIENT INFORMATION		LABORATORY INFORMATION	
Project Name:	NTLF Groundwater	LAB Sample #:	49210
Sample ID:	D-7L	Date Received:	11/09/2001
Date Taken:	11/08/2001	Time Received:	09:55
Time Taken:	1550	Report Date:	12/03/2001

TEST DESCRIPTION	SAMPLE RESULT	UNITS	ANALYZED DATE	ANALYZED TIME	MDL	RUN BY	METHOD USED
Total Organic Carbon	<1.0	mg/L	11/27/2001	09:45	1.0	KB	EPA 415.1
Total Organic Carbon - b	<1.0	mg/L	11/27/2001	09:45	1.0	KB	EPA 415.1
Total Organic Carbon - c	<1.0	mg/L	11/27/2001	09:45	1.0	KB	EPA 415.1
Total Organic Carbon - d	<1.0	mg/L	11/27/2001	09:45	1.0	KB	EPA 415.1
Acrylonitrile	<0.008	mg/L	11/13/2001	11:28	0.008	PR	SW 8015B
Acrylonitrile (b)	<0.008	mg/L	11/13/2001	12:12	0.008	PR	SW 8015B
Acetonitrile	<0.015	mg/L	11/13/2001	11:28	0.015	PR	SW 8015B
Acetonitrile (b)	<0.015	mg/L	11/13/2001	12:12	0.015	PR	SW 8015B
Cyanide	<0.01	mg/L	11/15/2001	08:15	0.01	SD	SW 9010
Cyanide (b)	<0.01	mg/L	11/15/2001	08:15	0.01	SD	SW 9010
Chromium, GFAA	<0.005	mg/L	11/28/2001	16:46	0.005	KB	EPA 218.2
Chromium, GFAA (b)	<0.005	mg/L	11/28/2001	16:46	0.005	KB	EPA 218.2
Chromium, GFAA (diss)	<0.005	mg/L	11/28/2001	16:46	0.005	KB	EPA 218.2

TEST DESCRIPTION	BLANK	LCS % REC	DUP RPD	RPD LIMIT	MS % REC	MSD % REC	% REC LIMITS
Total Organic Carbon	<1.0	101	3.8	20	106	102	75 - 125
Total Organic Carbon - b	<1.0	101	3.8	20	106	102	75 - 125
Total Organic Carbon - c	<1.0	101	3.8	20	106	102	75 - 125
Total Organic Carbon - d	<1.0	101	3.8	20	106	102	75 - 125
Acrylonitrile	<0.008	83.9	0.0	20	81.0	N/A	75 - 125
Acrylonitrile (b)	<0.008	83.9	0.0	20	81.0	N/A	75 - 125
Acetonitrile	<0.015	104	0.0	20	97.7	N/A	75 - 125
Acetonitrile (b)	<0.015	104	0.0	20	97.7	N/A	75 - 125
Cyanide	<0.01	97.5	0.0	20	102	N/A	75 - 125
Cyanide (b)	<0.01	97.5	0.0	20	102	N/A	75 - 125
Chromium, GFAA	<0.005	93.0	4.5	20	97.5	102	75 - 125
Chromium, GFAA (b)	<0.005	93.0	4.5	20	97.5	102	75 - 125
Chromium, GFAA (diss)	<0.005	93.0	1.9	20	103	105	75 - 125

Approved By:

Kevin Baros
General Manager

Method References:
Black, C.A. et al (ed.) Methods of Soil Analysis, 1965
EPA - EPA Methods for Chemical Analysis of Water & Wastes. EPA-600/4-79-020. 1983
SM - Standard Methods for the Examination of Water & Wastewater. 18th Ed. 1992
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B ENVIRONMENTAL
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REPORT OF SAMPLE ANALYSIS

TO: Wayne LaCroix
BP Chemical
P.O. Box 659
Port Lavaca, TX 77979

CLIENT INFORMATION		LABORATORY INFORMATION	
Project Name:	NTLF Groundwater	LAB Sample #:	49210
Sample ID:	D-7L	Date Received:	11/09/2001
Date Taken:	11/08/2001	Time Received:	09:55
Time Taken:	1550	Report Date:	12/03/2001

TEST DESCRIPTION	SAMPLE RESULT	UNITS	ANALYZED DATE	ANALYZED TIME	MDL	RUN BY	METHOD USED
Chromium, GFAA (diss) - b	<0.005	mg/L	11/28/2001	16:46	0.005	KB	EPA 218.2

TEST DESCRIPTION	BLANK	LCS % REC	DUP RPD	RPD LIMIT	MS % REC	MSD % REC	% REC LIMITS
Chromium, GFAA (diss) - b	<0.005	93.0	1.9	20	103	105	75 - 125

Approved By:

Kevin Baros
General Manager

Method References:
Black, C.A. et al (ed.) Methods of Soil Analysis, 1965
EPA - EPA Methods for Chemical Analysis of Water & Wastes, EPA-600/4-79-020, 1983
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REPORT OF SAMPLE ANALYSIS

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P.O. Box 659
Port Lavaca, TX 77979

CLIENT INFORMATION		LABORATORY INFORMATION	
Project Name:	NTLF Groundwater	LAB Sample #:	49211
Sample ID:	D-7U	Date Received:	11/09/2001
Date Taken:	11/08/2001	Time Received:	09:55
Time Taken:	1610	Report Date:	12/03/2001

TEST DESCRIPTION	SAMPLE RESULT	UNITS	ANALYZED DATE	ANALYZED TIME	MDL	RUN BY	METHOD USED
Total Organic Carbon	<1.0	mg/L	11/27/2001	09:45	1.0	KB	EPA 415.1
Total Organic Carbon - b	<1.0	mg/L	11/27/2001	09:45	1.0	KB	EPA 415.1
Total Organic Carbon - c	<1.0	mg/L	11/27/2001	09:45	1.0	KB	EPA 415.1
Total Organic Carbon - d	<1.0	mg/L	11/27/2001	09:45	1.0	KB	EPA 415.1
Acrylonitrile	<0.008	mg/L	11/13/2001	12:56	0.008	PR	SW 8015B
Acrylonitrile (b)	<0.008	mg/L	11/13/2001	13:34	0.008	PR	SW 8015B
Acetonitrile	<0.015	mg/L	11/13/2001	12:56	0.015	PR	SW 8015B
Acetonitrile (b)	<0.015	mg/L	11/13/2001	13:34	0.015	PR	SW 8015B
Cyanide	<0.01	mg/L	11/15/2001	08:15	0.01	SD	SW 9010
Cyanide (b)	<0.01	mg/L	11/15/2001	08:15	0.01	SD	SW 9010
Chromium, GFAA	<0.005	mg/L	11/28/2001	16:46	0.005	KB	EPA 218.2
Chromium, GFAA (b)	<0.005	mg/L	11/28/2001	16:46	0.005	KB	EPA 218.2
Chromium, GFAA (diss)	<0.005	mg/L	11/28/2001	16:46	0.005	KB	EPA 218.2

TEST DESCRIPTION	BLANK	LCS % REC	DUP RPD	RPD LIMIT	MS % REC	MSD % REC	% REC LIMITS
Total Organic Carbon	<1.0	101	3.8	20	106	102	75 - 125
Total Organic Carbon - b	<1.0	101	3.8	20	106	102	75 - 125
Total Organic Carbon - c	<1.0	101	3.8	20	106	102	75 - 125
Total Organic Carbon - d	<1.0	101	3.8	20	106	102	75 - 125
Acrylonitrile	<0.008	83.9	0.0	20	81.0	N/A	75 - 125
Acrylonitrile (b)	<0.008	83.9	0.0	20	81.0	N/A	75 - 125
Acetonitrile	<0.015	104	0.0	20	97.7	N/A	75 - 125
Acetonitrile (b)	<0.015	104	0.0	20	97.7	N/A	75 - 125
Cyanide	<0.01	97.5	0.0	20	102	N/A	75 - 125
Cyanide (b)	<0.01	97.5	0.0	20	102	N/A	75 - 125
Chromium, GFAA	<0.005	93.0	4.5	20	97.5	102	75 - 125
Chromium, GFAA (b)	<0.005	93.0	4.5	20	97.5	102	75 - 125
Chromium, GFAA (diss)	<0.005	93.0	1.9	20	103	105	75 - 125

Approved By:

Kevin Baros
General Manager

Method References:
Black, C.A. et al (ed.) Methods of Soil Analysis. 1965
EPA - EPA Methods for Chemical Analysis of Water & Wastes, EPA-600/4-79-020. 1983
SM - Standard Methods for the Examination of Water & Wastewater. 18th Ed. 1992
SW - EPA Test Methods for Evaluating Solid Waste. SW-846 3rd Edition. 1986
U.S. Department of Agriculture Handbook No. 60

B ENVIRONMENTAL
Victoria, TX 77901
2713 Houston Hwy. (361) 572-8224

REPORT OF SAMPLE ANALYSIS

TO: Wayne LaCroix
BP Chemical
P.O. Box 659
Port Lavaca, TX 77979

CLIENT INFORMATION		LABORATORY INFORMATION	
Project Name:	NTLF Groundwater	LAB Sample #:	49211
Sample ID:	D-7U	Date Received:	11/09/2001
Date Taken:	11/08/2001	Time Received:	09:55
Time Taken:	1610	Report Date:	12/03/2001

TEST DESCRIPTION	SAMPLE RESULT	UNITS	ANALYZED DATE	ANALYZED TIME	MDL	RUN BY	METHOD USED
Chromium, GFAA (diss) - b	<0.005	mg/L	11/28/2001	16:46	0.005	KB	EPA 218.2

TEST DESCRIPTION	BLANK	LCS % REC	DUP RPD	RPD LIMIT	MS % REC	MSD % REC	% REC LIMITS
Chromium, GFAA (diss) - b	<0.005	93.0	1.9	20	103	105	75 - 125

Approved By:

Kevin Baros
General Manager

Method References:
Black, C.A. et al (ed.) Methods of Soil Analysis. 1965
EPA - EPA Methods for Chemical Analysis of Water & Wastes, EPA-600/4-79-020. 1983
SM - Standard Methods for the Examination of Water & Wastewater. 18th Ed. 1992
SW - EPA Test Methods for Evaluating Solid Waste, SW-846 3rd Edition, 1986
U.S. Department of Agriculture Handbook No. 60

B ENVIRONMENTAL
Victoria, TX 77901
2713 Houston Hwy. (361) 572-8224

REPORT OF SAMPLE ANALYSIS

TO: Wayne LaCroix
BP Chemical
P.O. Box 659
Port Lavaca, TX 77979

CLIENT INFORMATION		LABORATORY INFORMATION	
Project Name:	NTLF Groundwater	LAB Sample #:	49209
Sample ID:	D-8	Date Received:	11/09/2001
Date Taken:	11/08/2001	Time Received:	09:55
Time Taken:	1450	Report Date:	12/03/2001

TEST DESCRIPTION	SAMPLE RESULT	UNITS	ANALYZED DATE	ANALYZED TIME	MDL	RUN BY	METHOD USED
Total Organic Carbon	<1.0	mg/L	11/27/2001	09:45	1.0	KB	EPA 415.1
Total Organic Carbon - b	<1.0	mg/L	11/27/2001	09:45	1.0	KB	EPA 415.1
Total Organic Carbon - c	<1.0	mg/L	11/27/2001	09:45	1.0	KB	EPA 415.1
Total Organic Carbon - d	<1.0	mg/L	11/27/2001	09:45	1.0	KB	EPA 415.1
Acrylonitrile	<0.008	mg/L	11/13/2001	10:08	0.008	PR	SW 8015B
Acrylonitrile (b)	<0.008	mg/L	11/13/2001	10:46	0.008	PR	SW 8015B
Acetonitrile	<0.015	mg/L	11/13/2001	10:08	0.015	PR	SW 8015B
Acetonitrile (b)	<0.015	mg/L	11/13/2001	10:46	0.015	PR	SW 8015B
Cyanide	<0.01	mg/L	11/15/2001	08:15	0.01	SD	SW 9010
Cyanide (b)	<0.01	mg/L	11/15/2001	08:15	0.01	SD	SW 9010
Chromium, GFAA	<0.005	mg/L	11/28/2001	16:46	0.005	KB	EPA 218.2
Chromium, GFAA (b)	0.008	mg/L	11/28/2001	16:46	0.005	KB	EPA 218.2
Chromium, GFAA (diss)	<0.005	mg/L	11/28/2001	16:46	0.005	KB	EPA 218.2

TEST DESCRIPTION	BLANK	LCS % REC	DUP RPD	RPD LIMIT	MS % REC	MSD % REC	% REC LIMITS
Total Organic Carbon	<1.0	101	3.8	20	106	102	75 - 125
Total Organic Carbon - b	<1.0	101	3.8	20	106	102	75 - 125
Total Organic Carbon - c	<1.0	101	3.8	20	106	102	75 - 125
Total Organic Carbon - d	<1.0	101	3.8	20	106	102	75 - 125
Acrylonitrile	<0.008	83.9	0.0	20	81.0	N/A	75 - 125
Acrylonitrile (b)	<0.008	83.9	0.0	20	81.0	N/A	75 - 125
Acetonitrile	<0.015	104	0.0	20	97.7	N/A	75 - 125
Acetonitrile (b)	<0.015	104	0.0	20	97.7	N/A	75 - 125
Cyanide	<0.01	97.5	0.0	20	102	N/A	75 - 125
Cyanide (b)	<0.01	97.5	0.0	20	102	N/A	75 - 125
Chromium, GFAA	<0.005	93.0	4.5	20	97.5	102	75 - 125
Chromium, GFAA (b)	<0.005	93.0	4.5	20	97.5	102	75 - 125
Chromium, GFAA (diss)	<0.005	93.0	1.9	20	103	105	75 - 125

Approved By:

Kevin Baros
General Manager

Method References:
Black, C.A. et al (ed.) Methods of Soil Analysis 1965
EPA - EPA Methods for Chemical Analysis of Water & Wastes, EPA-600/4-79-020, 1983
SM - Standard Methods for the Examination of Water & Wastewater, 18th Ed. 1992
SW - EPA Test Methods for Evaluating Solid Waste, SW-846 3rd Edition, 1986
U.S. Department of Agriculture Handbook No. 60

B ENVIRONMENTAL
Victoria, TX 77901
2713 Houston Hwy. (361) 572-8224

REPORT OF SAMPLE ANALYSIS

TO: Wayne LaCroix
BP Chemical
P.O. Box 659
Port Lavaca, TX 77979

CLIENT INFORMATION		LABORATORY INFORMATION	
Project Name:	NTLF Groundwater	LAB Sample #:	49209
Sample ID:	D-8	Date Received:	11/09/2001
Date Taken:	11/08/2001	Time Received:	09:55
Time Taken:	1450	Report Date:	12/03/2001

TEST DESCRIPTION	SAMPLE RESULT	UNITS	ANALYZED DATE	ANALYZED TIME	MDL	RUN BY	METHOD USED
Chromium, GFAA (diss) - b	<0.005	mg/L	11/28/2001	16:46	0.005	KB	EPA 218.2

TEST DESCRIPTION	BLANK	LCS % REC	DUP RPD	RPD LIMIT	MS % REC	MSD % REC	% REC LIMITS
Chromium, GFAA (diss) - b	<0.005	93.0	1.9	20	103	105	75 - 125

Approved By:

Kevin Baros
General Manager

Method References:
Black, C.A. et al (ed.) Methods of Soil Analysis. 1965
EPA - EPA Methods for Chemical Analysis of Water & Wastes, EPA-600/4-79-020. 1983
SM - Standard Methods for the Examination of Water & Wastewater, 18th Ed. 1992
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U.S. Department of Agriculture Handbook No. 60.

B ENVIRONMENTAL
2713 Houston Hwy. Victoria, TX 77901 (361) 572-8224

REPORT OF SAMPLE ANALYSIS

TO: Wayne LaCroix
BP Chemical
P.O. Box 659
Port Lavaca, TX 77979

CLIENT INFORMATION		LABORATORY INFORMATION	
Project Name:	Ground Water	LAB Sample #:	49892
Sample ID:	U-2 Resample	Date Received:	12/06/2001
Date Taken:	12/06/2001	Time Received:	15:45
Time Taken:	0910	Report Date:	12/12/2001

TEST DESCRIPTION	SAMPLE RESULT	UNITS	ANALYZED DATE	TIME	MDL	RUN BY	METHOD USED
Chromium, GFAA	<0.005	mg/L	12/11/2001	17:45	0.005	KB	EPA 218.2
Chromium, GFAA (b)	<0.005	mg/L	12/11/2001	17:45	0.005	KB	EPA 218.2
Chromium, GFAA (diss)	<0.005	mg/L	12/11/2001	17:45	0.005	KB	EPA 218.2
Chromium, GFAA (diss) - b	<0.005	mg/L	12/11/2001	17:45	0.005	KB	EPA 218.2

TEST DESCRIPTION	BLANK	LCS % REC	DUP RPD	RPD LIMIT	MS % REC	MSD % REC	% REC LIMITS
Chromium, GFAA	<0.005	101	5.3	20	109	115	75 - 125
Chromium, GFAA (b)	<0.005	101	5.3	20	109	115	75 - 125
Chromium, GFAA (diss)	<0.005	101	4.3	20	115	120	75 - 125
Chromium, GFAA (diss) - b	<0.005	101	4.3	20	115	120	75 - 125

Approved By:

Kevin Baros
General Manager

Method References:
Black, C.A. et al (ed.) Methods of Soil Analysis. 1965
EPA - EPA Methods for Chemical Analysis of Water & Wastes, EPA-600/4-79-020, 1983
SM - Standard Methods for the Examination of Water & Wastewater. 18th Ed. 1992
SW - EPA Test Methods for Evaluating Solid Waste, SW-846 3rd Edition, 1986
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2713 Houston Hwy. (361) 572-8224

REPORT OF SAMPLE ANALYSIS

TO: Wayne LaCroix
BP Chemical
P.O. Box 659
Port Lavaca, TX 77979

CLIENT INFORMATION		LABORATORY INFORMATION	
Project Name:	Ground Water	LAB Sample #:	69293
Sample ID:	H-3 Resample	Date Received:	12/06/2001
Date Taken:	12/06/2001	Time Received:	19:45
Time Taken:	1000	Report Date:	12/12/2001

TEST DESCRIPTION	SAMPLE RESULT	UNITS	ANALYZED DATE	ANALYZED TIME	MDL	RUN BY	METHOD USED
Chromium, GFAA	0.014	mg/L	12/11/2001	17:45	0.005	KB	EPA 218.2
Chromium, GFAA (b)	0.016	mg/L	12/11/2001	17:45	0.005	KB	EPA 218.2
Chromium, GFAA (diss)	0.010	mg/L	12/11/2001	17:45	0.005	KB	EPA 218.2
Chromium, GFAA (diss) - b	0.009	mg/L	12/11/2001	17:45	0.005	KB	EPA 218.2

TEST DESCRIPTION	BLANK	LCS % REC	DUP RPD	RPD LIMIT	MS % REC	MSD % REC	% REC LIMITS
Chromium, GFAA	<0.005	101	5.3	20	109	115	75 - 125
Chromium, GFAA (b)	<0.005	101	5.3	20	109	115	75 - 125
Chromium, GFAA (diss)	<0.005	101	4.3	20	115	120	75 - 125
Chromium, GFAA (diss) - b	<0.005	101	4.3	20	115	120	75 - 125

Approved By:

Kevin Baros

Method References:
Black, C.A. et al (ed.) Methods of Soil Analysis, 1965
EPA - EPA Methods for Chemical Analysis of Water & Wastes, EPA-600/4-79-020, 1983
SM - Standard Methods for the Examination of Water & Wastewater, 18th Ed. 1992

B ENVIRONMENTAL
Victoria, TX 77901
2713 Houston Hwy. (361) 572-8224

REPORT OF SAMPLE ANALYSIS

TO: Wayne LaCroix
BP Chemical
P.O. Box 659
Port LaVaca, TX 77979

CLIENT INFORMATION		LABORATORY INFORMATION	
Project Name:	Ground Water	LAB Sample #:	49894
Sample ID:	D-1U	Date Received:	12/06/2001
Date Taken:	12/06/2001	Time Received:	15:45
Time Taken:	1025	Report Date:	12/13/2001

TEST DESCRIPTION	SAMPLE RESULT	UNITS	ANALYZED DATE	ANALYZED TIME	MDL	RUN BY	METHOD USED
Cyanide, total	<0.01	mg/L	12/13/2001	08:00	0.01	SD	EPA 335.2
Acrylonitrile	<0.008	mg/L	12/07/2001	09:23	0.008	PR	SW 8015B
Acetonitrile	<0.015	mg/L	12/07/2001	09:23	0.015	PR	SW 8015B

TEST DESCRIPTION	BLANK	LCS % REC	DUP RPD	RPD LIMIT	MS % REC	MSD % REC	% REC LIMITS
Cyanide, total	<0.01	103	7.9	20	103	95.2	75 - 125
Acrylonitrile	<0.008	91.5	3.9	20	88.2	91.7	75 - 125
Acetonitrile	<0.015	100	3.7	20	110	106	75 - 125

Approved By:

Kevin Baros
General Manager

Method References:
Black, C.A. et al (ed.) Methods of Soil Analysis, 1965
EPA - EPA Methods for Chemical Analysis of Water & Wastes, EPA-600/4-79-020, 1983
SM - Standard Methods for the Examination of Water & Wastewater, 18th Ed. 1992
SW - EPA Test Methods for Evaluating Solid Waste, SW-846 3rd Edition, 1986
U.S. Department of Agriculture Handbook No. 60

SEVERN TRENT SERVICES

STL Corpus Christi

RECEIVED
NOV 20 2001
FIELD OPERATIONS
REGION 14

ANALYTICAL REPORT

JOB NUMBER: 209616

Prepared For:

TNRCC
P. O. Box 13087 Capitol Station
Field Operations Division
Austin, TX 78711-3087

Attention: Audry Fontenot

Date: 11/16/2001

Olga Verónica McDonald
Signature

Name: Olga V. McDonald

Title: QA Manager

E-Mail: omcdonald@stl-inc.com

11/14/01
Date

Severn Trent Laboratories
1733 N. Padre Island Drive
Corpus Christi, TX 78408

PHONE: 361/289-2673
FAX..: 361/289-2471

SEVERN TRENT SERVICES

STL Corpus Christi

CASE NARRATIVE

Job Number 209616

November 16, 2001

Semivolatile Organics Analysis

Sample 209616-4 was analyzed for semivolatile organics using EPA Method 8270C. The percent recovery result for 2,4,6-tribromophenol surrogate was below the laboratory acceptance limits but within the method specified limits. The spike blank and spike blank duplicate were within acceptable limits.

Volatile Organics Analysis

Sample 209616-1 was analyzed for volatile organics using EPA Method 8260B. The percent recovery results for 1,2-dichloroethane-d4 surrogate in the associated blank and sample 1 were marginally below the laboratory acceptance limits but within the method specified limits. The LCS and other quality control analyses were within acceptable limits.

Please call if you have any questions regarding this report or if we can be of further assistance.

Olga Veronica McDonald

Olga Veronica McDonald
QA Manager

SEVERN TRENT SERVICES

STL Corpus Christi

SAMPLE INFORMATION
Date: 11/16/2001

Job Number.: 209616
Customer...: TNRCC
Attn.....: Audry Fontenot

Project Number.....: 98000084
Customer Project ID....: BRAD W. GENZER
Project Description....: Project - OVM

Laboratory Sample ID	Customer Sample ID	Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
209616-1	006019-01 U-1	Water	11/08/2001	09:15	11/08/2001	16:39
209616-2	006019-02 D-5	Water	11/08/2001	13:35	11/08/2001	16:39
209616-3	006019-03 D-8	Water	11/08/2001	14:50	11/08/2001	16:39
209616-4	006019-04 D-8D	Water	11/08/2001	14:50	11/08/2001	16:39
209616-5	006019-05 FB	Water	11/08/2001	15:00	11/08/2001	16:39
209616-6	TRIP BLANK	Water	11/08/2001	00:00	11/08/2001	16:39

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STL Corpus Christi

LABORATORY TEST RESULTS

Job Number: 209616

Date: 11/16/2001

CUSTOMER: TNRCC

PROJECT: BRAD W. GENZER

ATTN: Audry Fontenot

Customer Sample ID: 006019-01 U-1
Date Sampled.....: 11/08/2001
Time Sampled.....: 09:15
Sample Matrix.....: Water

Laboratory Sample ID: 209616-1
Date Received.....: 11/08/2001
Time Received.....: 16:39

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH
SW-846 3520C	Extraction (Continuous Liq/Liq)					
	Continuous Liquid-Liquid Extraction	Complete			11/13/01	den
SW-846 8270C	Semivolatile Organics					
	Acenaphthene	ND	10	ug/L	11/14/01	gef
	Acenaphthylene	ND	10	ug/L	11/14/01	gef
	Aniline	ND	20	ug/L	11/14/01	gef
	Anthracene	ND	10	ug/L	11/14/01	gef
	Benzo(a)anthracene (1,2-Benzanthracene)	ND	10	ug/L	11/14/01	gef
	Benzo(b)fluoranthene	ND	10	ug/L	11/14/01	gef
	Benzo(k)fluoranthene	ND	10	ug/L	11/14/01	gef
	Benzo(ghi)perylene	ND	10	ug/L	11/14/01	gef
	Benzo(a)pyrene	ND	10	ug/L	11/14/01	gef
	Benzyl alcohol	ND	20	ug/L	11/14/01	gef
	Bis(2-chloroethoxy)methane	ND	10	ug/L	11/14/01	gef
	Bis(2-chloroethyl)ether	ND	10	ug/L	11/14/01	gef
	Bis(2-chloroisopropyl)ether	ND	10	ug/L	11/14/01	gef
	Bis(2-ethylhexyl)phthalate	ND	10	ug/L	11/14/01	gef
	4-Bromophenyl phenyl ether	ND	10	ug/L	11/14/01	gef
	Butyl benzyl phthalate	ND	10	ug/L	11/14/01	gef
	4-Chloroaniline	ND	20	ug/L	11/14/01	gef
	4-Chloro-3-methylphenol	ND	20	ug/L	11/14/01	gef
	2-Chloronaphthalene	ND	10	ug/L	11/14/01	gef
	2-Chlorophenol	ND	10	ug/L	11/14/01	gef
	4-Chlorophenyl phenyl ether	ND	10	ug/L	11/14/01	gef
	Chrysene	ND	10	ug/L	11/14/01	gef
	Dibenzo(a,h)anthracene	ND	10	ug/L	11/14/01	gef
	Dibenzofuran	ND	10	ug/L	11/14/01	gef
	1,2-Dichlorobenzene	ND	10	ug/L	11/14/01	gef
	1,3-Dichlorobenzene	ND	10	ug/L	11/14/01	gef
	1,4-Dichlorobenzene	ND	10	ug/L	11/14/01	gef
	3,3-Dichlorobenzidine	ND	20	ug/L	11/14/01	gef
	Diethyl phthalate	ND	10	ug/L	11/14/01	gef
	Dimethyl phthalate	ND	10	ug/L	11/14/01	gef
	2,4-Dimethylphenol	ND	10	ug/L	11/14/01	gef
	Di-n-butyl phthalate	ND	10	ug/L	11/14/01	gef
	Di-n-octyl phthalate	ND	10	ug/L	11/14/01	gef
	2,4-Dichlorophenol	ND	10	ug/L	11/14/01	gef
	4,6-Dinitro-2-methylphenol	ND	50	ug/L	11/14/01	gef
	2,4-Dinitrophenol	ND	50	ug/L	11/14/01	gef
	2,4-Dinitrotoluene	ND	10	ug/L	11/14/01	gef
	2,6-Dinitrotoluene	ND	10	ug/L	11/14/01	gef
	Fluoranthene	ND	10	ug/L	11/14/01	gef
	Fluorene	ND	10	ug/L	11/14/01	gef
	Hexachlorobenzene	ND	10	ug/L	11/14/01	gef
	Hexachlorobutadiene	ND	10	ug/L	11/14/01	gef
	Hexachlorocyclopentadiene	ND	10	ug/L	11/14/01	gef
	Hexachloroethane	ND	10	ug/L	11/14/01	gef
	Indeno(1,2,3-cd)pyrene	ND	10	ug/L	11/14/01	gef

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SEVERN TRENT SERVICES

STL Corpus Christi

LABORATORY TEST RESULTS

Job Number: 209616

Date: 11/16/2001

CUSTOMER: TNRCC

PROJECT: BRAD W. GENZER

ATTN: Audry Fontenot

Customer Sample ID: 006019-01 U-1
Date Sampled.....: 11/08/2001
Time Sampled.....: 09:15
Sample Matrix.....: Water

Laboratory Sample ID: 209616-1
Date Received.....: 11/08/2001
Time Received.....: 16:39

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH
	Isophorone	ND	10	ug/L	11/14/01	gef
	2-Methylnaphthalene	ND	10	ug/L	11/14/01	gef
	2-Methylphenol (o-cresol)	ND	10	ug/L	11/14/01	gef
	3 & 4 Methylphenol (m&p cresol)	ND	10	ug/L	11/14/01	gef
	Naphthalene	ND	10	ug/L	11/14/01	gef
	o-Nitroaniline	ND	20	ug/L	11/14/01	gef
	m-Nitroaniline	ND	50	ug/L	11/14/01	gef
	p-Nitroaniline	ND	20	ug/L	11/14/01	gef
	Nitrobenzene	ND	10	ug/L	11/14/01	gef
	2-Nitrophenol	ND	10	ug/L	11/14/01	gef
	4-Nitrophenol	ND	50	ug/L	11/14/01	gef
	n-Nitrosodi-n-propylamine	ND	10	ug/L	11/14/01	gef
	n-Nitrosodiphenylamine	ND	10	ug/L	11/14/01	gef
	Pentachlorophenol	ND	50	ug/L	11/14/01	gef
	Phenanthrene	ND	10	ug/L	11/14/01	gef
	Phenol	ND	10	ug/L	11/14/01	gef
	Pyrene	ND	10	ug/L	11/14/01	gef
	Pyridine	ND	10	ug/L	11/14/01	gef
	1,2,4-Trichlorobenzene	ND	10	ug/L	11/14/01	gef
	2,4,5-Trichlorophenol	ND	10	ug/L	11/14/01	gef
	2,4,6-Trichlorophenol	ND	10	ug/L	11/14/01	gef
SW-846 8260B	Volatile Organics					
	Acetone	ND	100	ug/L	11/12/01	qcp
	Acetonitrile	ND	5	ug/L	11/12/01	qcp
	Acrolein	ND	50	ug/L	11/12/01	qcp
	Acrylonitrile	ND	20	ug/L	11/12/01	qcp
	Benzene	ND	5	ug/L	11/12/01	qcp
	Bromodichloromethane	ND	5	ug/L	11/12/01	qcp
	Bromoform (Tribromomethane)	ND	5	ug/L	11/12/01	qcp
	Bromomethane (methyl bromide)	ND	5	ug/L	11/12/01	qcp
	Carbon Disulfide	ND	5	ug/L	11/12/01	qcp
	Carbon Tetrachloride	ND	5	ug/L	11/12/01	qcp
	Chlorobenzene	ND	5	ug/L	11/12/01	qcp
	Chloroethane	ND	5	ug/L	11/12/01	qcp
	2-Chloroethylvinyl Ether	ND	5	ug/L	11/12/01	qcp
	Chloroform	ND	5	ug/L	11/12/01	qcp
	Chloromethane (methyl chloride)	ND	5	ug/L	11/12/01	qcp
	Dibromochloromethane	ND	5	ug/L	11/12/01	qcp
	Dibromomethane	ND	5	ug/L	11/12/01	qcp
	1,2-Dibromoethane (EDB)	ND	5	ug/L	11/12/01	qcp
	Dichlorodifluoromethane	ND	5	ug/L	11/12/01	qcp
	1,1-Dichloroethane	ND	5	ug/L	11/12/01	qcp
	1,2-Dichloroethane (EDC)	ND	5	ug/L	11/12/01	qcp
	1,1-Dichloroethene (Vinylidene chloride)	ND	5	ug/L	11/12/01	qcp
	cis-1,2-Dichloroethene	ND	5	ug/L	11/12/01	qcp
	trans-1,2-Dichloroethene	ND	5	ug/L	11/12/01	qcp
	1,2-Dichloropropane	ND	5	ug/L	11/12/01	qcp
	1,3-Dichloropropane	ND	5	ug/L	11/12/01	qcp

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STL Corpus Christi

LABORATORY TEST RESULTS

Job Number: 209616

Date: 11/16/2001

CUSTOMER: TNRCC | PROJECT: BRAD W. GENZER | ATTN: Audry Fontenot

Customer Sample ID: 006019-01 U-1
Date Sampled.....: 11/08/2001
Time Sampled.....: 09:15
Sample Matrix.....: Water

Laboratory Sample ID: 209616-1
Date Received.....: 11/08/2001
Time Received.....: 16:39

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH
	2,2-Dichloropropane	ND	5	ug/L	11/12/01	qcp
	1,1-Dichloropropene	ND	5	ug/L	11/12/01	qcp
	cis-1,3-Dichloropropene	ND	5	ug/L	11/12/01	qcp
	trans-1,3-Dichloropropene	ND	5	ug/L	11/12/01	qcp
	1,4-Dioxane	ND	100	ug/L	11/12/01	qcp
	Ethyl Acetate	ND	5	ug/L	11/12/01	qcp
	Ethylbenzene	ND	5	ug/L	11/12/01	qcp
	Ethyl Ether (Diethyl Ether)	ND	5	ug/L	11/12/01	qcp
	Ethyl Methacrylate	ND	5	ug/L	11/12/01	qcp
	2-Hexanone	ND	5	ug/L	11/12/01	qcp
	Iodomethane (Methyl Iodide)	ND	5	ug/L	11/12/01	qcp
	Methylene Chloride (Dichloromethane)	ND	50	ug/L	11/12/01	qcp
	Methyl Ethyl Ketone (2-Butanone)	ND	10	ug/L	11/12/01	qcp
	4-Methyl-2-Pentanone (MIBK)	ND	5	ug/L	11/12/01	qcp
	Methyl Methacrylate	ND	5	ug/L	11/12/01	qcp
	tert-Butyl Methyl Ether (MTBE)	ND	5	ug/L	11/12/01	qcp
	2-Nitropropane	ND	5	ug/L	11/12/01	qcp
	Styrene	ND	5	ug/L	11/12/01	qcp
	1,1,2,2-Tetrachloroethane	ND	5	ug/L	11/12/01	qcp
	Tetrachloroethene	ND	5	ug/L	11/12/01	qcp
	Toluene	ND	5	ug/L	11/12/01	qcp
	1,2,3-Trichlorobenzene	ND	5	ug/L	11/12/01	qcp
	1,1,1-Trichloroethane	ND	5	ug/L	11/12/01	qcp
	1,1,2-Trichloroethane	ND	5	ug/L	11/12/01	qcp
	Trichloroethene	ND	5	ug/L	11/12/01	qcp
	Trichlorofluoromethane	ND	5	ug/L	11/12/01	qcp
	1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	ug/L	11/12/01	qcp
	1,2,4-Trimethylbenzene	ND	5	ug/L	11/12/01	qcp
	1,3,5-Trimethylbenzene	ND	5	ug/L	11/12/01	qcp
	1,2,3-Trichloropropane	ND	5	ug/L	11/12/01	qcp
	Vinyl Acetate	ND	5	ug/L	11/12/01	qcp
	Vinyl Chloride (Chloroethene)	ND	5	ug/L	11/12/01	qcp
	Xylenes (total)	ND	5	ug/L	11/12/01	qcp

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STL Corpus Christi

LABORATORY TEST RESULTS

Job Number: 209616

Date: 11/16/2001

CUSTOMER: TNRCC | PROJECT: BRAD W. GENZER | ATTN: Audry Fontenot

Customer Sample ID: 006019-02 D-5
Date Sampled.....: 11/08/2001
Time Sampled.....: 13:35
Sample Matrix.....: Water

Laboratory Sample ID: 209616-2
Date Received.....: 11/08/2001
Time Received.....: 16:39

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH
SW-846 3520C	Extraction (Continuous Liq/Liq)					
	Continuous Liquid-Liquid Extraction	Complete			11/13/01	den
SW-846 8270C	Semivolatile Organics					
	Acenaphthene	ND	10	ug/L	11/14/01	gef
	Acenaphthylene	ND	10	ug/L	11/14/01	gef
	Aniline	ND	20	ug/L	11/14/01	gef
	Anthracene	ND	10	ug/L	11/14/01	gef
	Benzo(a)anthracene (1,2-Benzanthracene)	ND	10	ug/L	11/14/01	gef
	Benzo(b)fluoranthene	ND	10	ug/L	11/14/01	gef
	Benzo(k)fluoranthene	ND	10	ug/L	11/14/01	gef
	Benzo(ghi)perylene	ND	10	ug/L	11/14/01	gef
	Benzo(a)pyrene	ND	10	ug/L	11/14/01	gef
	Benzyl alcohol	ND	20	ug/L	11/14/01	gef
	Bis(2-chloroethoxy)methane	ND	10	ug/L	11/14/01	gef
	Bis(2-chloroethyl)ether	ND	10	ug/L	11/14/01	gef
	Bis(2-chloroisopropyl)ether	ND	10	ug/L	11/14/01	gef
	Bis(2-ethylhexyl)phthalate	ND	10	ug/L	11/14/01	gef
	4-Bromophenyl phenyl ether	ND	10	ug/L	11/14/01	gef
	Butyl benzyl phthalate	ND	10	ug/L	11/14/01	gef
	4-Chloroaniline	ND	20	ug/L	11/14/01	gef
	4-Chloro-3-methylphenol	ND	20	ug/L	11/14/01	gef
	2-Chloronaphthalene	ND	10	ug/L	11/14/01	gef
	2-Chlorophenol	ND	10	ug/L	11/14/01	gef
	4-Chlorophenyl phenyl ether	ND	10	ug/L	11/14/01	gef
	Chrysene	ND	10	ug/L	11/14/01	gef
	Dibenzo(a,h)anthracene	ND	10	ug/L	11/14/01	gef
	Dibenzofuran	ND	10	ug/L	11/14/01	gef
	1,2-Dichlorobenzene	ND	10	ug/L	11/14/01	gef
	1,3-Dichlorobenzene	ND	10	ug/L	11/14/01	gef
	1,4-Dichlorobenzene	ND	10	ug/L	11/14/01	gef
	3,3-Dichlorobenzidine	ND	20	ug/L	11/14/01	gef
	Diethyl phthalate	ND	10	ug/L	11/14/01	gef
	Dimethyl phthalate	ND	10	ug/L	11/14/01	gef
	2,4-Dimethylphenol	ND	10	ug/L	11/14/01	gef
	Di-n-butyl phthalate	ND	10	ug/L	11/14/01	gef
	Di-n-octyl phthalate	ND	10	ug/L	11/14/01	gef
	2,4-Dichlorophenol	ND	10	ug/L	11/14/01	gef
	4,6-Dinitro-2-methylphenol	ND	50	ug/L	11/14/01	gef
	2,4-Dinitrophenol	ND	50	ug/L	11/14/01	gef
	2,4-Dinitrotoluene	ND	10	ug/L	11/14/01	gef
	2,6-Dinitrotoluene	ND	10	ug/L	11/14/01	gef
	Fluoranthene	ND	10	ug/L	11/14/01	gef
	Fluorene	ND	10	ug/L	11/14/01	gef
	Hexachlorobenzene	ND	10	ug/L	11/14/01	gef
	Hexachlorobutadiene	ND	10	ug/L	11/14/01	gef
	Hexachlorocyclopentadiene	ND	10	ug/L	11/14/01	gef
	Hexachloroethane	ND	10	ug/L	11/14/01	gef
	Indeno(1,2,3-cd)pyrene	ND	10	ug/L	11/14/01	gef

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SEVERN TRENT SERVICES

STL Corpus Christi

LABORATORY TEST RESULTS

Job Number: 209616

Date: 11/16/2001

CUSTOMER: TNRCC PROJECT: BRAD W. GENZER ATTN: Audry Fontenot

Customer Sample ID: 006019-02 D-5
Date Sampled.....: 11/08/2001
Time Sampled.....: 13:35
Sample Matrix.....: Water

Laboratory Sample ID: 209616-2
Date Received.....: 11/08/2001
Time Received.....: 16:39

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH
	Isophorone	ND	10	ug/L	11/14/01	gef
	2-Methylnaphthalene	ND	10	ug/L	11/14/01	gef
	2-Methylphenol (o-cresol)	ND	10	ug/L	11/14/01	gef
	3 & 4 Methylphenol (m&p cresol)	ND	10	ug/L	11/14/01	gef
	Naphthalene	ND	10	ug/L	11/14/01	gef
	o-Nitroaniline	ND	20	ug/L	11/14/01	gef
	m-Nitroaniline	ND	50	ug/L	11/14/01	gef
	p-Nitroaniline	ND	20	ug/L	11/14/01	gef
	Nitrobenzene	ND	10	ug/L	11/14/01	gef
	2-Nitrophenol	ND	10	ug/L	11/14/01	gef
	4-Nitrophenol	ND	50	ug/L	11/14/01	gef
	n-Nitrosodi-n-propylamine	ND	10	ug/L	11/14/01	gef
	n-Nitrosodiphenylamine	ND	10	ug/L	11/14/01	gef
	Pentachlorophenol	ND	50	ug/L	11/14/01	gef
	Phenanthrene	ND	10	ug/L	11/14/01	gef
	Phenol	ND	10	ug/L	11/14/01	gef
	Pyrene	ND	10	ug/L	11/14/01	gef
	Pyridine	ND	10	ug/L	11/14/01	gef
	1,2,4-Trichlorobenzene	ND	10	ug/L	11/14/01	gef
	2,4,5-Trichlorophenol	ND	10	ug/L	11/14/01	gef
	2,4,6-Trichlorophenol	ND	10	ug/L	11/14/01	gef
SW-846 8260B	Volatile Organics					
	Acetone	ND	100	ug/L	11/12/01	qcp
	Acetonitrile	ND	5	ug/L	11/12/01	qcp
	Acrolein	ND	50	ug/L	11/12/01	qcp
	Acrylonitrile	ND	20	ug/L	11/12/01	qcp
	Benzene	ND	5	ug/L	11/12/01	qcp
	Bromodichloromethane	ND	5	ug/L	11/12/01	qcp
	Bromoform (Tribromomethane)	ND	5	ug/L	11/12/01	qcp
	Bromomethane (methyl bromide)	ND	5	ug/L	11/12/01	qcp
	Carbon Disulfide	ND	5	ug/L	11/12/01	qcp
	Carbon Tetrachloride	ND	5	ug/L	11/12/01	qcp
	Chlorobenzene	ND	5	ug/L	11/12/01	qcp
	Chloroethane	ND	5	ug/L	11/12/01	qcp
	2-Chloroethylvinyl Ether	ND	5	ug/L	11/12/01	qcp
	Chloroform	ND	5	ug/L	11/12/01	qcp
	Chloromethane (methyl chloride)	ND	5	ug/L	11/12/01	qcp
	Dibromochloromethane	ND	5	ug/L	11/12/01	qcp
	Dibromomethane	ND	5	ug/L	11/12/01	qcp
	1,2-Dibromoethane (EDB)	ND	5	ug/L	11/12/01	qcp
	Dichlorodifluoromethane	ND	5	ug/L	11/12/01	qcp
	1,1-Dichloroethane	ND	5	ug/L	11/12/01	qcp
	1,2-Dichloroethane (EDC)	ND	5	ug/L	11/12/01	qcp
	1,1-Dichloroethene (Vinylidene chloride)	ND	5	ug/L	11/12/01	qcp
	cis-1,2-Dichloroethene	ND	5	ug/L	11/12/01	qcp
	trans-1,2-Dichloroethene	ND	5	ug/L	11/12/01	qcp
	1,2-Dichloropropane	ND	5	ug/L	11/12/01	qcp
	1,3-Dichloropropane	ND	5	ug/L	11/12/01	qcp

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LABORATORY TEST RESULTS

Job Number: 209616

Date: 11/16/2001

CUSTOMER: TNRCC

PROJECT: BRAD W. GENZER

ATTN: Audry Fontenot

Customer Sample ID: 006019-02 D-5
Date Sampled.....: 11/08/2001
Time Sampled.....: 13:35
Sample Matrix.....: Water

Laboratory Sample ID: 209616-2
Date Received.....: 11/08/2001
Time Received.....: 16:39

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH
	2,2-Dichloropropane	ND	5	ug/L	11/12/01	qcp
	1,1-Dichloropropene	ND	5	ug/L	11/12/01	qcp
	cis-1,3-Dichloropropene	ND	5	ug/L	11/12/01	qcp
	trans-1,3-Dichloropropene	ND	5	ug/L	11/12/01	qcp
	1,4-Dioxane	ND	100	ug/L	11/12/01	qcp
	Ethyl Acetate	ND	5	ug/L	11/12/01	qcp
	Ethylbenzene	ND	5	ug/L	11/12/01	qcp
	Ethyl Ether (Diethyl Ether)	ND	5	ug/L	11/12/01	qcp
	Ethyl Methacrylate	ND	5	ug/L	11/12/01	qcp
	2-Hexanone	ND	5	ug/L	11/12/01	qcp
	Iodomethane (Methyl Iodide)	ND	5	ug/L	11/12/01	qcp
	Methylene Chloride (Dichloromethane)	ND	50	ug/L	11/12/01	qcp
	Methyl Ethyl Ketone (2-Butanone)	ND	10	ug/L	11/12/01	qcp
	4-Methyl-2-Pentanone (MIBK)	ND	5	ug/L	11/12/01	qcp
	Methyl Methacrylate	ND	5	ug/L	11/12/01	qcp
	tert-Butyl Methyl Ether (MTBE)	ND	5	ug/L	11/12/01	qcp
	2-Nitropropane	ND	5	ug/L	11/12/01	qcp
	Styrene	ND	5	ug/L	11/12/01	qcp
	1,1,2,2-Tetrachloroethane	ND	5	ug/L	11/12/01	qcp
	Tetrachloroethene	ND	5	ug/L	11/12/01	qcp
	Toluene	ND	5	ug/L	11/12/01	qcp
	1,2,3-Trichlorobenzene	ND	5	ug/L	11/12/01	qcp
	1,1,1-Trichloroethane	ND	5	ug/L	11/12/01	qcp
	1,1,2-Trichloroethane	ND	5	ug/L	11/12/01	qcp
	Trichloroethene	ND	5	ug/L	11/12/01	qcp
	Trichlorofluoromethane	ND	5	ug/L	11/12/01	qcp
	1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	ug/L	11/12/01	qcp
	1,2,4-Trimethylbenzene	ND	5	ug/L	11/12/01	qcp
	1,3,5-Trimethylbenzene	ND	5	ug/L	11/12/01	qcp
	1,2,3-Trichloropropane	ND	5	ug/L	11/12/01	qcp
	Vinyl Acetate	ND	5	ug/L	11/12/01	qcp
	Vinyl Chloride (Chloroethene)	ND	5	ug/L	11/12/01	qcp
	Xylenes (total)	ND	5	ug/L	11/12/01	qcp

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STL Corpus Christi

LABORATORY TEST RESULTS

Job Number: 209616

Date: 11/16/2001

CUSTOMER: TNRCC PROJECT: BRAD W. GENZER ATTN: Audry Fontenot

Customer Sample ID: 006019-03 D-8
Date Sampled.....: 11/08/2001
Time Sampled.....: 14:50
Sample Matrix.....: Water

Laboratory Sample ID: 209616-3
Date Received.....: 11/08/2001
Time Received.....: 16:39

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH
SW-846 3520C	Extraction (Continuous Liq/Liq)					
	Continuous Liquid-Liquid Extraction	Complete			11/13/01	den
SW-846 8270C	Semivolatile Organics					
	Acenaphthene	ND	10	ug/L	11/14/01	gef
	Acenaphthylene	ND	10	ug/L	11/14/01	gef
	Aniline	ND	20	ug/L	11/14/01	gef
	Anthracene	ND	10	ug/L	11/14/01	gef
	Benzo(a)anthracene (1,2-Benzanthracene)	ND	10	ug/L	11/14/01	gef
	Benzo(b)fluoranthene	ND	10	ug/L	11/14/01	gef
	Benzo(k)fluoranthene	ND	10	ug/L	11/14/01	gef
	Benzo(ghi)perylene	ND	10	ug/L	11/14/01	gef
	Benzo(a)pyrene	ND	10	ug/L	11/14/01	gef
	Benzyl alcohol	ND	20	ug/L	11/14/01	gef
	Bis(2-chloroethoxy)methane	ND	10	ug/L	11/14/01	gef
	Bis(2-chloroethyl)ether	ND	10	ug/L	11/14/01	gef
	Bis(2-chloroisopropyl)ether	ND	10	ug/L	11/14/01	gef
	Bis(2-ethylhexyl)phthalate	ND	10	ug/L	11/14/01	gef
	4-Bromophenyl phenyl ether	ND	10	ug/L	11/14/01	gef
	Butyl benzyl phthalate	ND	10	ug/L	11/14/01	gef
	4-Chloroaniline	ND	20	ug/L	11/14/01	gef
	4-Chloro-3-methylphenol	ND	20	ug/L	11/14/01	gef
	2-Chloronaphthalene	ND	10	ug/L	11/14/01	gef
	2-Chlorophenol	ND	10	ug/L	11/14/01	gef
	4-Chlorophenyl phenyl ether	ND	10	ug/L	11/14/01	gef
	Chrysene	ND	10	ug/L	11/14/01	gef
	Dibenzo(a,h)anthracene	ND	10	ug/L	11/14/01	gef
	Dibenzofuran	ND	10	ug/L	11/14/01	gef
	1,2-Dichlorobenzene	ND	10	ug/L	11/14/01	gef
	1,3-Dichlorobenzene	ND	10	ug/L	11/14/01	gef
	1,4-Dichlorobenzene	ND	10	ug/L	11/14/01	gef
	3,3-Dichlorobenzidine	ND	20	ug/L	11/14/01	gef
	Diethyl phthalate	ND	10	ug/L	11/14/01	gef
	Dimethyl phthalate	ND	10	ug/L	11/14/01	gef
	2,4-Dimethylphenol	ND	10	ug/L	11/14/01	gef
	Di-n-butyl phthalate	ND	10	ug/L	11/14/01	gef
	Di-n-octyl phthalate	ND	10	ug/L	11/14/01	gef
	2,4-Dichlorophenol	ND	10	ug/L	11/14/01	gef
	4,6-Dinitro-2-methylphenol	ND	50	ug/L	11/14/01	gef
	2,4-Dinitrophenol	ND	50	ug/L	11/14/01	gef
	2,4-Dinitrotoluene	ND	10	ug/L	11/14/01	gef
	2,6-Dinitrotoluene	ND	10	ug/L	11/14/01	gef
	Fluoranthene	ND	10	ug/L	11/14/01	gef
	Fluorene	ND	10	ug/L	11/14/01	gef
	Hexachlorobenzene	ND	10	ug/L	11/14/01	gef
	Hexachlorobutadiene	ND	10	ug/L	11/14/01	gef
	Hexachlorocyclopentadiene	ND	10	ug/L	11/14/01	gef
	Hexachloroethane	ND	10	ug/L	11/14/01	gef
	Indeno(1,2,3-cd)pyrene	ND	10	ug/L	11/14/01	gef

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SEVERN TRENT SERVICES

STL Corpus Christi

LABORATORY TEST RESULTS

Job Number: 209616

Date: 11/16/2001

CUSTOMER: TNRCC

PROJECT: BRAD W. GENZER

ATTN: Audry Fontenot

Customer Sample ID: 006019-03 D-8
Date Sampled.....: 11/08/2001
Time Sampled.....: 14:50
Sample Matrix.....: Water

Laboratory Sample ID: 209616-3
Date Received.....: 11/08/2001
Time Received.....: 16:39

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH
	Isophorone	ND	10	ug/L	11/14/01	gef
	2-Methylnaphthalene	ND	10	ug/L	11/14/01	gef
	2-Methylphenol (o-cresol)	ND	10	ug/L	11/14/01	gef
	3 & 4 Methylphenol (m&p cresol)	ND	10	ug/L	11/14/01	gef
	Naphthalene	ND	10	ug/L	11/14/01	gef
	o-Nitroaniline	ND	20	ug/L	11/14/01	gef
	m-Nitroaniline	ND	50	ug/L	11/14/01	gef
	p-Nitroaniline	ND	20	ug/L	11/14/01	gef
	Nitrobenzene	ND	10	ug/L	11/14/01	gef
	2-Nitrophenol	ND	10	ug/L	11/14/01	gef
	4-Nitrophenol	ND	50	ug/L	11/14/01	gef
	n-Nitrosodi-n-propylamine	ND	10	ug/L	11/14/01	gef
	n-Nitrosodiphenylamine	ND	10	ug/L	11/14/01	gef
	Pentachlorophenol	ND	50	ug/L	11/14/01	gef
	Phenanthrene	ND	10	ug/L	11/14/01	gef
	Phenol	ND	10	ug/L	11/14/01	gef
	Pyrene	ND	10	ug/L	11/14/01	gef
	Pyridine	ND	10	ug/L	11/14/01	gef
	1,2,4-Trichlorobenzene	ND	10	ug/L	11/14/01	gef
	2,4,5-Trichlorophenol	ND	10	ug/L	11/14/01	gef
	2,4,6-Trichlorophenol	ND	10	ug/L	11/14/01	gef
SW-846 8260B	Volatile Organics					
	Acetone	ND	100	ug/L	11/12/01	qcp
	Acetonitrile	ND	5	ug/L	11/12/01	qcp
	Acrolein	ND	50	ug/L	11/12/01	qcp
	Acrylonitrile	ND	20	ug/L	11/12/01	qcp
	Benzene	ND	5	ug/L	11/12/01	qcp
	Bromodichloromethane	ND	5	ug/L	11/12/01	qcp
	Bromoform (Tribromomethane)	ND	5	ug/L	11/12/01	qcp
	Bromomethane (methyl bromide)	ND	5	ug/L	11/12/01	qcp
	Carbon Disulfide	ND	5	ug/L	11/12/01	qcp
	Carbon Tetrachloride	ND	5	ug/L	11/12/01	qcp
	Chlorobenzene	ND	5	ug/L	11/12/01	qcp
	Chloroethane	ND	5	ug/L	11/12/01	qcp
	2-Chloroethylvinyl Ether	ND	5	ug/L	11/12/01	qcp
	Chloroform	ND	5	ug/L	11/12/01	qcp
	Chloromethane (methyl chloride)	ND	5	ug/L	11/12/01	qcp
	Dibromochloromethane	ND	5	ug/L	11/12/01	qcp
	Dibromomethane	ND	5	ug/L	11/12/01	qcp
	1,2-Dibromoethane (EDB)	ND	5	ug/L	11/12/01	qcp
	Dichlorodifluoromethane	ND	5	ug/L	11/12/01	qcp
	1,1-Dichloroethane	ND	5	ug/L	11/12/01	qcp
	1,2-Dichloroethane (EDC)	ND	5	ug/L	11/12/01	qcp
	1,1-Dichloroethene (Vinylidene chloride)	ND	5	ug/L	11/12/01	qcp
	cis-1,2-Dichloroethene	ND	5	ug/L	11/12/01	qcp
	trans-1,2-Dichloroethene	ND	5	ug/L	11/12/01	qcp
	1,2-Dichloropropane	ND	5	ug/L	11/12/01	qcp
	1,3-Dichloropropane	ND	5	ug/L	11/12/01	qcp

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LABORATORY TEST RESULTS

Job Number: 209616

Date: 11/16/2001

CUSTOMER: TNRCC

PROJECT: BRAD W. GENZER

ATTN: Audry Fontenot

Customer Sample ID: 006019-03 D-8
Date Sampled.....: 11/08/2001
Time Sampled.....: 14:50
Sample Matrix.....: Water

Laboratory Sample ID: 209616-3
Date Received.....: 11/08/2001
Time Received.....: 16:39

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH
	2,2-Dichloropropane	ND	5	ug/L	11/12/01	qcp
	1,1-Dichloropropene	ND	5	ug/L	11/12/01	qcp
	cis-1,3-Dichloropropene	ND	5	ug/L	11/12/01	qcp
	trans-1,3-Dichloropropene	ND	5	ug/L	11/12/01	qcp
	1,4-Dioxane	ND	100	ug/L	11/12/01	qcp
	Ethyl Acetate	ND	5	ug/L	11/12/01	qcp
	Ethylbenzene	ND	5	ug/L	11/12/01	qcp
	Ethyl Ether (Diethyl Ether)	ND	5	ug/L	11/12/01	qcp
	Ethyl Methacrylate	ND	5	ug/L	11/12/01	qcp
	2-Hexanone	ND	5	ug/L	11/12/01	qcp
	Iodomethane (Methyl Iodide)	ND	5	ug/L	11/12/01	qcp
	Methylene Chloride (Dichloromethane)	ND	50	ug/L	11/12/01	qcp
	Methyl Ethyl Ketone (2-Butanone)	ND	10	ug/L	11/12/01	qcp
	4-Methyl-2-Pentanone (MIBK)	ND	5	ug/L	11/12/01	qcp
	Methyl Methacrylate	ND	5	ug/L	11/12/01	qcp
	tert-Butyl Methyl Ether (MTBE)	ND	5	ug/L	11/12/01	qcp
	2-Nitropropane	ND	5	ug/L	11/12/01	qcp
	Styrene	ND	5	ug/L	11/12/01	qcp
	1,1,2,2-Tetrachloroethane	ND	5	ug/L	11/12/01	qcp
	Tetrachloroethene	ND	5	ug/L	11/12/01	qcp
	Toluene	ND	5	ug/L	11/12/01	qcp
	1,2,3-Trichlorobenzene	ND	5	ug/L	11/12/01	qcp
	1,1,1-Trichloroethane	ND	5	ug/L	11/12/01	qcp
	1,1,2-Trichloroethane	ND	5	ug/L	11/12/01	qcp
	Trichloroethene	ND	5	ug/L	11/12/01	qcp
	Trichlorofluoromethane	ND	5	ug/L	11/12/01	qcp
	1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	ug/L	11/12/01	qcp
	1,2,4-Trimethylbenzene	ND	5	ug/L	11/12/01	qcp
	1,3,5-Trimethylbenzene	ND	5	ug/L	11/12/01	qcp
	1,2,3-Trichloropropane	ND	5	ug/L	11/12/01	qcp
	Vinyl Acetate	ND	5	ug/L	11/12/01	qcp
	Vinyl Chloride (Chloroethene)	ND	5	ug/L	11/12/01	qcp
	Xylenes (total)	ND	5	ug/L	11/12/01	qcp

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LABORATORY TEST RESULTS

Job Number: 209616

Date: 11/16/2001

CUSTOMER: TNRCC PROJECT: BRAD W. GENZER ATTN: Audry Fontenot

Customer Sample ID: 006019-04 D-80
Date Sampled.....: 11/08/2001
Time Sampled.....: 14:50
Sample Matrix.....: Water

Laboratory Sample ID: 209616-4
Date Received.....: 11/08/2001
Time Received.....: 16:39

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH
SW-846 3520C	Extraction (Continuous Liq/Liq) Continuous Liquid-Liquid Extraction	Complete			11/13/01	den
SW-846 8270C	Semivolatile Organics					
	Acenaphthene	ND	10	ug/L	11/14/01	gef
	Acenaphthylene	ND	10	ug/L	11/14/01	gef
	Aniline	ND	20	ug/L	11/14/01	gef
	Anthracene	ND	10	ug/L	11/14/01	gef
	Benzo(a)anthracene (1,2-Benzanthracene)	ND	10	ug/L	11/14/01	gef
	Benzo(b)fluoranthene	ND	10	ug/L	11/14/01	gef
	Benzo(k)fluoranthene	ND	10	ug/L	11/14/01	gef
	Benzo(ghi)perylene	ND	10	ug/L	11/14/01	gef
	Benzo(a)pyrene	ND	10	ug/L	11/14/01	gef
	Benzyl alcohol	ND	20	ug/L	11/14/01	gef
	Bis(2-chloroethoxy)methane	ND	10	ug/L	11/14/01	gef
	Bis(2-chloroethyl)ether	ND	10	ug/L	11/14/01	gef
	Bis(2-chloroisopropyl)ether	ND	10	ug/L	11/14/01	gef
	Bis(2-ethylhexyl)phthalate	ND	10	ug/L	11/14/01	gef
	4-Bromophenyl phenyl ether	ND	10	ug/L	11/14/01	gef
	Butyl benzyl phthalate	ND	10	ug/L	11/14/01	gef
	4-Chloroaniline	ND	20	ug/L	11/14/01	gef
	4-Chloro-3-methylphenol	ND	20	ug/L	11/14/01	gef
	2-Chloronaphthalene	ND	10	ug/L	11/14/01	gef
	2-Chlorophenol	ND	10	ug/L	11/14/01	gef
	4-Chlorophenyl phenyl ether	ND	10	ug/L	11/14/01	gef
	Chrysene	ND	10	ug/L	11/14/01	gef
	Dibenzo(a,h)anthracene	ND	10	ug/L	11/14/01	gef
	Dibenzofuran	ND	10	ug/L	11/14/01	gef
	1,2-Dichlorobenzene	ND	10	ug/L	11/14/01	gef
	1,3-Dichlorobenzene	ND	10	ug/L	11/14/01	gef
	1,4-Dichlorobenzene	ND	10	ug/L	11/14/01	gef
	3,3-Dichlorobenzidine	ND	20	ug/L	11/14/01	gef
	Diethyl phthalate	ND	10	ug/L	11/14/01	gef
	Dimethyl phthalate	ND	10	ug/L	11/14/01	gef
	2,4-Dimethylphenol	ND	10	ug/L	11/14/01	gef
	Di-n-butyl phthalate	ND	10	ug/L	11/14/01	gef
	Di-n-octyl phthalate	ND	10	ug/L	11/14/01	gef
	2,4-Dichlorophenol	ND	10	ug/L	11/14/01	gef
	4,6-Dinitro-2-methylphenol	ND	50	ug/L	11/14/01	gef
	2,4-Dinitrophenol	ND	50	ug/L	11/14/01	gef
	2,4-Dinitrotoluene	ND	10	ug/L	11/14/01	gef
	2,6-Dinitrotoluene	ND	10	ug/L	11/14/01	gef
	Fluoranthene	ND	10	ug/L	11/14/01	gef
	Fluorene	ND	10	ug/L	11/14/01	gef
	Hexachlorobenzene	ND	10	ug/L	11/14/01	gef
	Hexachlorobutadiene	ND	10	ug/L	11/14/01	gef
	Hexachlorocyclopentadiene	ND	10	ug/L	11/14/01	gef
	Hexachloroethane	ND	10	ug/L	11/14/01	gef
	Indeno(1,2,3-cd)pyrene	ND	10	ug/L	11/14/01	gef

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SEVERN TRENT SERVICES

STL Corpus Christi

LABORATORY TEST RESULTS

Job Number: 209616

Date: 11/16/2001

CUSTOMER: TNRCC PROJECT: BRAD W. GENZER ATTN: Audry Fontenot

Customer Sample ID: 006019-04 D-8D
Date Sampled.....: 11/08/2001
Time Sampled.....: 14:50
Sample Matrix.....: Water

Laboratory Sample ID: 209616-4
Date Received.....: 11/08/2001
Time Received.....: 16:39

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH
	Isophorone	ND	10	ug/L	11/14/01	gef
	2-Methylnaphthalene	ND	10	ug/L	11/14/01	gef
	2-Methylphenol (o-cresol)	ND	10	ug/L	11/14/01	gef
	3 & 4 Methylphenol (m&p cresol)	ND	10	ug/L	11/14/01	gef
	Naphthalene	ND	10	ug/L	11/14/01	gef
	o-Nitroaniline	ND	20	ug/L	11/14/01	gef
	m-Nitroaniline	ND	50	ug/L	11/14/01	gef
	p-Nitroaniline	ND	20	ug/L	11/14/01	gef
	Nitrobenzene	ND	10	ug/L	11/14/01	gef
	2-Nitrophenol	ND	10	ug/L	11/14/01	gef
	4-Nitrophenol	ND	50	ug/L	11/14/01	gef
	n-Nitrosodi-n-propylamine	ND	10	ug/L	11/14/01	gef
	n-Nitrosodiphenylamine	ND	10	ug/L	11/14/01	gef
	Pentachlorophenol	ND	50	ug/L	11/14/01	gef
	Phenanthrene	ND	10	ug/L	11/14/01	gef
	Phenol	ND	10	ug/L	11/14/01	gef
	Pyrene	ND	10	ug/L	11/14/01	gef
	Pyridine	ND	10	ug/L	11/14/01	gef
	1,2,4-Trichlorobenzene	ND	10	ug/L	11/14/01	gef
	2,4,5-Trichlorophenol	ND	10	ug/L	11/14/01	gef
	2,4,6-Trichlorophenol	ND	10	ug/L	11/14/01	gef
SW-846 8260B	Volatile Organics					
	Acetone	ND	100	ug/L	11/12/01	qcp
	Acetonitrile	ND	5	ug/L	11/12/01	qcp
	Acrolein	ND	50	ug/L	11/12/01	qcp
	Acrylonitrile	ND	20	ug/L	11/12/01	qcp
	Benzene	ND	5	ug/L	11/12/01	qcp
	Bromodichloromethane	ND	5	ug/L	11/12/01	qcp
	Bromoform (Tribromomethane)	ND	5	ug/L	11/12/01	qcp
	Bromomethane (methyl bromide)	ND	5	ug/L	11/12/01	qcp
	Carbon Disulfide	ND	5	ug/L	11/12/01	qcp
	Carbon Tetrachloride	ND	5	ug/L	11/12/01	qcp
	Chlorobenzene	ND	5	ug/L	11/12/01	qcp
	Chloroethane	ND	5	ug/L	11/12/01	qcp
	2-Chloroethylvinyl Ether	ND	5	ug/L	11/12/01	qcp
	Chloroform	ND	5	ug/L	11/12/01	qcp
	Chloromethane (methyl chloride)	ND	5	ug/L	11/12/01	qcp
	Dibromochloromethane	ND	5	ug/L	11/12/01	qcp
	Dibromomethane	ND	5	ug/L	11/12/01	qcp
	1,2-Dibromoethane (EDB)	ND	5	ug/L	11/12/01	qcp
	Dichlorodifluoromethane	ND	5	ug/L	11/12/01	qcp
	1,1-Dichloroethane	ND	5	ug/L	11/12/01	qcp
	1,2-Dichloroethane (EDC)	ND	5	ug/L	11/12/01	qcp
	1,1-Dichloroethene (Vinylidene chloride)	ND	5	ug/L	11/12/01	qcp
	cis-1,2-Dichloroethene	ND	5	ug/L	11/12/01	qcp
	trans-1,2-Dichloroethene	ND	5	ug/L	11/12/01	qcp
	1,2-Dichloropropane	ND	5	ug/L	11/12/01	qcp
	1,3-Dichloropropane	ND	5	ug/L	11/12/01	qcp

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LABORATORY TEST RESULTS

Job Number: 209616

Date: 11/16/2001

CUSTOMER: TNRCC PROJECT: BRAD W. GENZER ATTN: Audry Fontenot

Customer Sample ID: 006019-04 D-8D
Date Sampled.....: 11/08/2001
Time Sampled.....: 14:50
Sample Matrix.....: Water

Laboratory Sample ID: 209616-4
Date Received.....: 11/08/2001
Time Received.....: 16:39

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH
	2,2-Dichloropropane	ND	5	ug/L	11/12/01	qcp
	1,1-Dichloropropene	ND	5	ug/L	11/12/01	qcp
	cis-1,3-Dichloropropene	ND	5	ug/L	11/12/01	qcp
	trans-1,3-Dichloropropene	ND	5	ug/L	11/12/01	qcp
	1,4-Dioxane	ND	100	ug/L	11/12/01	qcp
	Ethyl Acetate	ND	5	ug/L	11/12/01	qcp
	Ethylbenzene	ND	5	ug/L	11/12/01	qcp
	Ethyl Ether (Diethyl Ether)	ND	5	ug/L	11/12/01	qcp
	Ethyl Methacrylate	ND	5	ug/L	11/12/01	qcp
	2-Hexanone	ND	5	ug/L	11/12/01	qcp
	Iodomethane (Methyl Iodide)	ND	5	ug/L	11/12/01	qcp
	Methylene Chloride (Dichloromethane)	ND	50	ug/L	11/12/01	qcp
	Methyl Ethyl Ketone (2-Butanone)	ND	10	ug/L	11/12/01	qcp
	4-Methyl-2-Pentanone (MIBK)	ND	5	ug/L	11/12/01	qcp
	Methyl Methacrylate	ND	5	ug/L	11/12/01	qcp
	tert-Butyl Methyl Ether (MTBE)	ND	5	ug/L	11/12/01	qcp
	2-Nitropropane	ND	5	ug/L	11/12/01	qcp
	Styrene	ND	5	ug/L	11/12/01	qcp
	1,1,2,2-Tetrachloroethane	ND	5	ug/L	11/12/01	qcp
	Tetrachloroethene	ND	5	ug/L	11/12/01	qcp
	Toluene	ND	5	ug/L	11/12/01	qcp
	1,2,3-Trichlorobenzene	ND	5	ug/L	11/12/01	qcp
	1,1,1-Trichloroethane	ND	5	ug/L	11/12/01	qcp
	1,1,2-Trichloroethane	ND	5	ug/L	11/12/01	qcp
	Trichloroethene	ND	5	ug/L	11/12/01	qcp
	Trichlorofluoromethane	ND	5	ug/L	11/12/01	qcp
	1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	ug/L	11/12/01	qcp
	1,2,4-Trimethylbenzene	ND	5	ug/L	11/12/01	qcp
	1,3,5-Trimethylbenzene	ND	5	ug/L	11/12/01	qcp
	1,2,3-Trichloropropane	ND	5	ug/L	11/12/01	qcp
	Vinyl Acetate	ND	5	ug/L	11/12/01	qcp
	Vinyl Chloride (Chloroethene)	ND	5	ug/L	11/12/01	qcp
	Xylenes (total)	ND	5	ug/L	11/12/01	qcp

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LABORATORY TEST RESULTS

Job Number: 209616

Date: 11/16/2001

CUSTOMER: TNRCC | PROJECT: BRAD W. GENZER | ATTN: Audry Fontenot

Customer Sample ID: 006019-05 FB
Date Sampled.....: 11/08/2001
Time Sampled.....: 15:00
Sample Matrix.....: Water

Laboratory Sample ID: 209616-5
Date Received.....: 11/08/2001
Time Received.....: 16:39

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH
SW-846 3520C	Extraction (Continuous Liq/Liq) Continuous Liquid-Liquid Extraction	Complete			11/13/01	den
SW-846 8270C	Semivolatile Organics					
	Acenaphthene	ND	10	ug/L	11/14/01	gef
	Acenaphthylene	ND	10	ug/L	11/14/01	gef
	Aniline	ND	20	ug/L	11/14/01	gef
	Anthracene	ND	10	ug/L	11/14/01	gef
	Benzo(a)anthracene (1,2-Benzanthracene)	ND	10	ug/L	11/14/01	gef
	Benzo(b)fluoranthene	ND	10	ug/L	11/14/01	gef
	Benzo(k)fluoranthene	ND	10	ug/L	11/14/01	gef
	Benzo(ghi)perylene	ND	10	ug/L	11/14/01	gef
	Benzo(a)pyrene	ND	10	ug/L	11/14/01	gef
	Benzyl alcohol	ND	20	ug/L	11/14/01	gef
	Bis(2-chloroethoxy)methane	ND	10	ug/L	11/14/01	gef
	Bis(2-chloroethyl)ether	ND	10	ug/L	11/14/01	gef
	Bis(2-chloroisopropyl)ether	ND	10	ug/L	11/14/01	gef
	Bis(2-ethylhexyl)phthalate	ND	10	ug/L	11/14/01	gef
	4-Bromophenyl phenyl ether	ND	10	ug/L	11/14/01	gef
	Butyl benzyl phthalate	ND	10	ug/L	11/14/01	gef
	4-Chloroaniline	ND	20	ug/L	11/14/01	gef
	4-Chloro-3-methylphenol	ND	20	ug/L	11/14/01	gef
	2-Chloronaphthalene	ND	10	ug/L	11/14/01	gef
	2-Chlorophenol	ND	10	ug/L	11/14/01	gef
	4-Chlorophenyl phenyl ether	ND	10	ug/L	11/14/01	gef
	Chrysene	ND	10	ug/L	11/14/01	gef
	Dibenzo(a,h)anthracene	ND	10	ug/L	11/14/01	gef
	Dibenzofuran	ND	10	ug/L	11/14/01	gef
	1,2-Dichlorobenzene	ND	10	ug/L	11/14/01	gef
	1,3-Dichlorobenzene	ND	10	ug/L	11/14/01	gef
	1,4-Dichlorobenzene	ND	10	ug/L	11/14/01	gef
	3,3-Dichlorobenzidine	ND	20	ug/L	11/14/01	gef
	Diethyl phthalate	ND	10	ug/L	11/14/01	gef
	Dimethyl phthalate	ND	10	ug/L	11/14/01	gef
	2,4-Dimethylphenol	ND	10	ug/L	11/14/01	gef
	Di-n-butyl phthalate	ND	10	ug/L	11/14/01	gef
	Di-n-octyl phthalate	ND	10	ug/L	11/14/01	gef
	2,4-Dichlorophenol	ND	10	ug/L	11/14/01	gef
	4,6-Dinitro-2-methylphenol	ND	50	ug/L	11/14/01	gef
	2,4-Dinitrophenol	ND	50	ug/L	11/14/01	gef
	2,4-Dinitrotoluene	ND	10	ug/L	11/14/01	gef
	2,6-Dinitrotoluene	ND	10	ug/L	11/14/01	gef
	Fluoranthene	ND	10	ug/L	11/14/01	gef
	Fluorene	ND	10	ug/L	11/14/01	gef
	Hexachlorobenzene	ND	10	ug/L	11/14/01	gef
	Hexachlorobutadiene	ND	10	ug/L	11/14/01	gef
	Hexachlorocyclopentadiene	ND	10	ug/L	11/14/01	gef
	Hexachloroethane	ND	10	ug/L	11/14/01	gef
	Indeno(1,2,3-cd)pyrene	ND	10	ug/L	11/14/01	gef

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LABORATORY TEST RESULTS

Job Number: 209616 Date: 11/16/2001

CUSTOMER: TNRCC PROJECT: BRAD W. GENZER ATTN: Audry Fontenot

Customer Sample ID: 006019-05 FB
Date Sampled.....: 11/08/2001
Time Sampled.....: 15:00
Sample Matrix.....: Water

Laboratory Sample ID: 209616-5
Date Received.....: 11/08/2001
Time Received.....: 16:39

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH
	Isophorone	ND	10	ug/L	11/14/01	gef
	2-Methylnaphthalene	ND	10	ug/L	11/14/01	gef
	2-Methylphenol (o-cresol)	ND	10	ug/L	11/14/01	gef
	3 & 4 Methylphenol (m&p cresol)	ND	10	ug/L	11/14/01	gef
	Naphthalene	ND	10	ug/L	11/14/01	gef
	o-Nitroaniline	ND	20	ug/L	11/14/01	gef
	m-Nitroaniline	ND	50	ug/L	11/14/01	gef
	p-Nitroaniline	ND	20	ug/L	11/14/01	gef
	Nitrobenzene	ND	10	ug/L	11/14/01	gef
	2-Nitrophenol	ND	10	ug/L	11/14/01	gef
	4-Nitrophenol	ND	50	ug/L	11/14/01	gef
	n-Nitrosodi-n-propylamine	ND	10	ug/L	11/14/01	gef
	n-Nitrosodiphenylamine	ND	10	ug/L	11/14/01	gef
	Pentachlorophenol	ND	50	ug/L	11/14/01	gef
	Phenanthrene	ND	10	ug/L	11/14/01	gef
	Phenol	ND	10	ug/L	11/14/01	gef
	Pyrene	ND	10	ug/L	11/14/01	gef
	Pyridine	ND	10	ug/L	11/14/01	gef
	1,2,4-Trichlorobenzene	ND	10	ug/L	11/14/01	gef
	2,4,5-Trichlorophenol	ND	10	ug/L	11/14/01	gef
	2,4,6-Trichlorophenol	ND	10	ug/L	11/14/01	gef
SW-846 8260B	Volatile Organics					
	Acetone	ND	100	ug/L	11/12/01	qcp
	Acetonitrile	ND	5	ug/L	11/12/01	qcp
	Acrolein	ND	50	ug/L	11/12/01	qcp
	Acrylonitrile	ND	20	ug/L	11/12/01	qcp
	Benzene	ND	5	ug/L	11/12/01	qcp
	Bromodichloromethane	ND	5	ug/L	11/12/01	qcp
	Bromoform (Tribromomethane)	ND	5	ug/L	11/12/01	qcp
	Bromomethane (methyl bromide)	ND	5	ug/L	11/12/01	qcp
	Carbon Disulfide	ND	5	ug/L	11/12/01	qcp
	Carbon Tetrachloride	ND	5	ug/L	11/12/01	qcp
	Chlorobenzene	ND	5	ug/L	11/12/01	qcp
	Chloroethane	ND	5	ug/L	11/12/01	qcp
	2-Chloroethylvinyl Ether	ND	5	ug/L	11/12/01	qcp
	Chloroform	ND	5	ug/L	11/12/01	qcp
	Chloromethane (methyl chloride)	ND	5	ug/L	11/12/01	qcp
	Dibromochloromethane	ND	5	ug/L	11/12/01	qcp
	Dibromomethane	ND	5	ug/L	11/12/01	qcp
	1,2-Dibromoethane (EDB)	ND	5	ug/L	11/12/01	qcp
	Dichlorodifluoromethane	ND	5	ug/L	11/12/01	qcp
	1,1-Dichloroethane	ND	5	ug/L	11/12/01	qcp
	1,2-Dichloroethane (EDC)	ND	5	ug/L	11/12/01	qcp
	1,1-Dichloroethene (Vinylidene chloride)	ND	5	ug/L	11/12/01	qcp
	cis-1,2-Dichloroethene	ND	5	ug/L	11/12/01	qcp
	trans-1,2-Dichloroethene	ND	5	ug/L	11/12/01	qcp
	1,2-Dichloropropane	ND	5	ug/L	11/12/01	qcp
	1,3-Dichloropropane	ND	5	ug/L	11/12/01	qcp

STL Corpus Christi is a part of Severn Trent Laboratories, Inc.

SEVERN TRENT SERVICES

STL Corpus Christi

LABORATORY TEST RESULTS

Job Number: 209616

Date: 11/16/2001

CUSTOMER: TNRCC | PROJECT: BRAD W. GENZER | ATTN: Audry Fontenot

Customer Sample ID: 006019-05 FB
Date Sampled.....: 11/08/2001
Time Sampled.....: 15:00
Sample Matrix.....: Water

Laboratory Sample ID: 209616-5
Date Received.....: 11/08/2001
Time Received.....: 16:39

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH
	2,2-Dichloropropane	ND	5	ug/L	11/12/01	qcp
	1,1-Dichloropropene	ND	5	ug/L	11/12/01	qcp
	cis-1,3-Dichloropropene	ND	5	ug/L	11/12/01	qcp
	trans-1,3-Dichloropropene	ND	5	ug/L	11/12/01	qcp
	1,4-Dioxane	ND	100	ug/L	11/12/01	qcp
	Ethyl Acetate	ND	5	ug/L	11/12/01	qcp
	Ethylbenzene	ND	5	ug/L	11/12/01	qcp
	Ethyl Ether (Diethyl Ether)	ND	5	ug/L	11/12/01	qcp
	Ethyl Methacrylate	ND	5	ug/L	11/12/01	qcp
	2-Hexanone	ND	5	ug/L	11/12/01	qcp
	Iodomethane (Methyl Iodide)	ND	5	ug/L	11/12/01	qcp
	Methylene Chloride (Dichloromethane)	ND	50	ug/L	11/12/01	qcp
	Methyl Ethyl Ketone (2-Butanone)	ND	10	ug/L	11/12/01	qcp
	4-Methyl-2-Pentanone (MIBK)	ND	5	ug/L	11/12/01	qcp
	Methyl Methacrylate	ND	5	ug/L	11/12/01	qcp
	tert-Butyl Methyl Ether (MTBE)	ND	5	ug/L	11/12/01	qcp
	2-Nitropropane	ND	5	ug/L	11/12/01	qcp
	Styrene	ND	5	ug/L	11/12/01	qcp
	1,1,2,2-Tetrachloroethane	ND	5	ug/L	11/12/01	qcp
	Tetrachloroethene	ND	5	ug/L	11/12/01	qcp
	Toluene	ND	5	ug/L	11/12/01	qcp
	1,2,3-Trichlorobenzene	ND	5	ug/L	11/12/01	qcp
	1,1,1-Trichloroethane	ND	5	ug/L	11/12/01	qcp
	1,1,2-Trichloroethane	ND	5	ug/L	11/12/01	qcp
	Trichloroethene	ND	5	ug/L	11/12/01	qcp
	Trichlorofluoromethane	ND	5	ug/L	11/12/01	qcp
	1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	ug/L	11/12/01	qcp
	1,2,4-Trimethylbenzene	ND	5	ug/L	11/12/01	qcp
	1,3,5-Trimethylbenzene	ND	5	ug/L	11/12/01	qcp
	1,2,3-Trichloropropane	ND	5	ug/L	11/12/01	qcp
	Vinyl Acetate	ND	5	ug/L	11/12/01	qcp
	Vinyl Chloride (Chloroethene)	ND	5	ug/L	11/12/01	qcp
	Xylenes (total)	ND	5	ug/L	11/12/01	qcp

STL Corpus Christi is a part of Severn Trent Laboratories, Inc.

TEXAS NATURAL RESOURCE CONSERVATION COMMISSION

TNRCC

ATTACHMENT 9

CORRESPONDENCE FROM BP CHEMICAL, INC.

TNRCC ID#	**32164**	**Facility Name:**	**BP Chemicals, Inc.**	**County Name:**	**Calhoun**
Inspection Date:	**11/7, 11/8, & 11/14/2001**	**TNRCC Investigator:**	**Brad W. Genzer**		

BP CHEMICALS

BP Chemicals
P. O. Box 659
Port Lavaca, Texas 77979
(512) 552-7543

September 18, 2000

Texas Natural Resource Conservation Commission
Industrial and Hazardous Waste Permits Section (MC-130)
Dr. Richard C. Carmichael, Ph.D., P.E., CIH
12100 Park 35 Circle
Building F
Austin, Texas 78711-3087

RE: BP CHEMICALS Inc
OLD AND NEW LANDFILL GROUNDWATER MEETING
HW-50143

Dear Dr. Carmichael:

This letter is to summarize a meeting on September 15, 2000 to discuss the hydrogeologic characterization and groundwater sampling related to the Permit Renewal Application for the old and new (active) landfills at the BP Chemical, Green Lake Facility, BP. The meeting was attended by Dr. Richard Carmichael (TNRCC), Mr. Van Boone (BP Chemicals), Mr. Jay Winters (Golder Associates), and Mr. Mitch Hudgins (Southern Ecology Management). During the meeting the stratigraphy of the site, the hydrogeologic conditions, the groundwater monitoring systems and sample analysis were discussed.

As a result of the meeting, the following points were agreed upon:

1. Monitoring wells U2 and D1U will be properly plugged and abandoned and will thus, no longer be part of the groundwater monitoring system at the new landfill.
2. Monitoring well D7U will remain as part of the downgradient monitoring well system at the new landfill.
3. Water quality parameters will be deleted from the groundwater analysis at both the old and new landfill since we have determined that these provide no link or correlation to the process or landfilled wastes .
4. Specific conductance will be measured for each well during sampling events.
5. No modifications are required for the groundwater monitoring system at the old landfill.
6. Based on the updated groundwater characterization, no further investigations are required at the old or new landfills.

The changes to the groundwater monitoring system and sampling protocols will be incorporated into a Class II Permit Modification.

If you have any questions or require further information, please call me at (361) 552-8642.

Sincerely,

Van A. Boone
HSE Manager

CHEMICALS

BP Chemicals
P. O. Box 659
Port Lavaca, Texas 77979
(512) 552-7543

Dr. Joseph Keflemariam
Industrial and Hazardous Waste Permits Section
Texas Natural Resource Conservation Commission
P. O. Box 13087
Capitol Station
Austin, Texas 78711-3087

July 24, 1995

Re: BP Chemicals Inc.
Permit No. HW-50143
Permitted Unit II.B.1

Dear Dr. Keflemariam:

BP Chemicals has identified a statistically significant increase in the total chromium parameter for the upgradient monitoring well U-3 of permitted unit II.B.1.

The chromium level detected in the upgradient well U-3 was 0.048 mg/l and 0.046 mg/l which is above the permit criteria of 0.01 mg/l for a detection monitoring parameter. The TNRCC was notified previously of the chromium concentration increase by letter dated July 11, 1994. All downgradient wells were below the permit criteria.

The surface soil adjacent to U-3 was replaced in November of 1994 when it was anticipated that the chromium in U-3 was contributed to surface soil levels of chromium. The increased chromium concentration in U-3 is now believed to be contributed to its close proximity to the nearby nonhazardous landcell. BP is currently preparing plans for the closure cap of this nonhazardous cell. This will prevent the creation of leachate from rainfall entering the cell and likewise reduce the landcell's possible impact on the monitoring well.

If you have any questions concerning this information, please feel free to contact Van A. Boone at (512) 552-8642.

Sincerely,

John T. Dueker
Plant Manager

cc: TNRCC Region 14

BP CHEMICALS

BP Chemicals
P. O. Box 659
Port Lavaca, Texas 77979
(512) 552-7543

Dr. Joseph Keflemariam
Industrial and Hazardous Waste Permits Section
Texas Natural Resource Conservation Commission
P. O. Box 13087
Austin, Texas 78711-3087

August 15, 1995

Re: BP Chemicals Inc.
Permit No. HW-50143
Permitted Unit II.B.1

Dear Dr. Keflemariam:

As a follow up to your letter dated August 8, 1995, BP Chemicals submits to you the following plan for the closure of the nonhazardous landcell adjacent to upgradient monitoring well U-3 of permitted unit II.B.1. Closure of this nonhazardous cell will prevent the creation of leachate from rainfall entering the cell and likewise reduce the landcell's possible impact on the monitoring well. We have already begun to rough grade the waste so that a final survey can be performed. The project scope will be initiated for the cap construction bid request in October, 1995. Construction of the landcell cover is scheduled to begin on December 15, 1995 and is scheduled to be complete on May 1, 1996. This landcell will be closed with a cap consisting of a three foot compacted clay liner and a synthetic high density polyethylene liner. Closure of this cell should help to minimize possible impact on the chromium concentration in monitoring well U-3.

We request to maintain U-3 as an upgradient monitoring well since downgradient point of compliance wells are compared to alternate groundwater monitoring statistics specified in our permit and not to the background concentration of chromium in monitoring well U-3.

On November 14, 1991, BP was granted a permit amendment allowing the use of alternate groundwater monitoring statistics for detection monitoring parameters of acetonitrile, acrylonitrile, cyanide and chromium (see attached report). An alternative statistical method had to be developed since the average replicate t-test could not be applied to the detection monitoring parameters that were rarely above the method detection limit during the first year of ground water monitoring. Alternate statistical levels were developed based on a site specific Practical Quantitation Limit (PQL) study performed on both upgradient and downgradient wells. We are required to declare a significant statistical increase when monitoring results are at or above these specific permit levels. A new upgradient well replacing U-3 would not impact or change the alternate statistics required to determine significant increases for detection monitoring parameters which include chromium.

If you have any questions concerning this information, please feel free to contact Van A. Boone at (512) 552-8642.

Sincerely,

John T. Dueker
Plant Manager

Attachment
cc: TNRCC Region 14

Barry R. McBee, *Chairman*
R. B. "Ralph" Marquez, *Commissioner*
John M. Baker, *Commissioner*
Dan Pearson, *Executive Director*

BP Chemicals
J. T. Dueker
APR 08 '96

MJD		
AMG		
CAK		
SMQ		
MLR		
EJS		
WAS		
RWS		
SMC		
File		

TEXAS NATURAL RESOURCE CONSERVATION COMMISSION

Protecting Texas by Reducing and Preventing Pollution

April 4, 1996

Mr. John T. Dueker, Plant Manager
BP Chemicals, Inc.
P.O. Box 659
Port Lavaca, TX 77979

RE: BP Chemicals Inc.
Closure Construction Quality Control and Certification
Landfill Unit II.B.1
Permit No. HW-50143

Dear Mr. Dueker:

The Permits Section of the Industrial and Hazardous Waste Division has completed its review of the Construction Quality Report for landfill Cell 1. The report including the certification of closure cap construction quality of the Non-Hazardous Landfill Cell 1 adjacent to monitoring well U-3 was received on March 21, 1996.

Upon completion of the review, we find the report and attached certification by the plant manager and an independent professional engineer registered in the state of Texas complete. Accordingly, the report and closure certifications satisfy the requirements and have been accepted with the condition that BP Chemicals continues to monitor well U-3 and its replacement well and submits the results of the statistical analysis until such time that the chromium levels decline to background.

If you have any questions or comments regarding this matter, please contact Joseph Keflemariam at (512) 239-6607. If you will be responding by letter, please, be sure to use Mail Code MC130 after the recipient's name.

Sincerely,

Robert F. Silvus, P.E., Supervisor
Facility Team III, Permits Section
Industrial and Hazardous Waste Division

RFS/JK/jk

GROUNDWATER TECHNOLOGY ®

Groundwater Technology, Inc.
8584 Katy Freeway #300, Houston, TX 77024 USA
Tel: (713) 722-9000 Fax: (713) 722-9511

March 26, 1996

Mr. Van Boone
BP Chemicals Inc.
P.O. Box 659
Port Lavaca, Texas 77979

Re: Monitoring Well Installation (D-4)
BP Chemicals - Green Lake Plant
Port Lavaca, TX

Dear Mr. Boone:

Enclosed please find the State of Texas Plugging Report (TNRCC-0055) and the State of Texas Well Report (TNRCC-0199) for the above referenced site. Groundwater Technology was contracted by BP Chemicals to plug and abandon monitoring well D-4 and reinstall a new monitoring well D-4 to replace it. A boring log for the new monitoring well is attached.

On January 23, 1996 Groundwater Technology contracted Best Drilling Services, Inc. to properly plug and abandon monitoring well D-4. The condition of the well did not allow access for proper sampling because the integrity of the well had been effected by slumpage of the surface berm. A proper surface casing of length sufficient enough to protect the well from ground movement along the berm had not been installed. Subsequently the well casing was pulled and the well bore filled (using tremie pipe) with a cement-bentonite mix used for grouting.

The replacement well, D-4 was located approximately 10 feet away from the original well and installed to a depth equal to the original well (80 feet). In order to protect the integrity of this new well (D-4), 12-inch diameter schedule 40 PVC surface was installed to a depth of 35 feet and then pressure grouted to ensure a good seal. A boring was then drilled through this grout (7.875-inch boring) to a depth of 80 feet and 4-inch diameter schedule 40 PVC was installed. The well was screened through the interval 55 to 80 and gravel-packed from 53 to 80 feet. Volclay was then tremied into the well annulus from 50 to 53 feet and the remainder filled with cement to surface. A six foot x six foot x eight inch pad was installed at the surface with four (4) 3-foot high bumper posts to protect the well head completion.

Upon successful completion of the well, the well was properly developed by purging a minimum of three (3) well volumes of water (approximately 75 gallons). Two weeks later, due to high solids, an additional 150 gallons was removed from the well.

Should you require any additional information regarding these field activities, please call Mike Marcon at (713) 722-9000.

Sincerely,
GROUNDWATER TECHNOLOGY, INC.

Bill Hardmant
Staff Geologist

Mike Marcon
Project Manager

Please use black ink.

File WHITE COPY with:
TNRCC
P.O. Box 13087
Austin, Texas 78711-3087
Phone (512) 239-0530

State of Texas

PLUGGING REPORT

(This form must be completed and filed with the TNRCC within 30 days following the date the well is plugged as required by current statutory law.)

Texas Water Well Drillers Advisory Council
P.O. Box 13087
Austin, Texas 78711-3087
Phone (512) 239-0530

A. WELL IDENTIFICATION AND LOCATION DATA

1) OWNER BP CHEMICALS (Name) ADDRESS GREEN LAKE PLANT (Street or RFD) PORT LAVACA (City) TX. (State) 77979 (Zip)

2) ADDRESS OF WELL: County CALHOUN GREEN LAKE PLANT (Street, RFD or other) PORT LAVACA (City) TX. (State) (Zip) GRID # _____

3) OWNERS'S WELL NO: D-4

4) WELL TYPE (Check): ☐ Water ☒ Monitor ☐ Injection ☐ De-Watering

5)

Driller, Pump Installer, or Landowner performing the plugging operations must locate and identify the location of the well within a specific grid on a full scale-gridded County map available from the TNRCC/Installers Certification Program. The location of the well should be denoted within the grid by placing a corresponding dot in the grid to the right. The legal description section below is optional.

☐ LEGAL DESCRIPTION:

Section No. _____ Block No. _____ Township _____

Abstract No. _____ Survey Name _____

Distance and direction from two intersecting section lines or survey lines: _____

N

B. HISTORICAL DATA ON WELL TO BE PLUGGED (IF AVAILABLE)

6) Driller _____ License Number _____ City _____

7) Drilled _____ 19___; 8) Diameter of hole 8 inches; 9) Total depth of well 80 feet.

C. CURRENT PLUGGING DATA

10) Date well plugged 1-23, 1995.

11) Sketch of well: Using space at right, show method of plugging the well, including all casing and cemented intervals.

30 FEET OF CASING WAS REMOVED
CEMENT-BENTONITE MIX WAS USED
FOR GROUTING.

12) Name of Driller/Pump Installer actually performing the plugging operations KEITH BARGE

License Number 4786-M

13) Casing and cementing data relative to the plugging operations:

DIAMETER (Inches)	CASING LEFT IN WELL FROM (feet)	CASING LEFT IN WELL TO (feet)
4	30	80

CEMENT PLUG(S) PLACED IN WELL FROM (feet)	TO (feet)	SACK(S) OF CEMENT USED
0	80	5

D. VALIDATION OF INFORMATION INCLUDED IN FORM

I hereby certify that this well was plugged by me (or under my supervision) and that each and all of the statements herein are true to the best of my knowledge and belief. I understand that failure to complete items 1 thru 13 will result in the report(s) being returned for completion and resubmittal.

Company or Individual's Name *(type or print)* BEST DRILLING SERVICES, INC.

Address: Street or RFD P.O. BOX 845 City FRIENDSWOOD State TX. Zip 77549

Signatures: Keith Barge — Licensed Driller/Pump Installer; 3-25-96 — Date; _____ — Owner of Well; _____ — Date

_____ — Trainee/Apprentice; _____ — Date

White - TNRCC *Yellow - Well Owner* *Pink - Licensed Well Driller/Pump Installer*

TNRCC-0055 (rev. 01-12-95)

Drilling Log

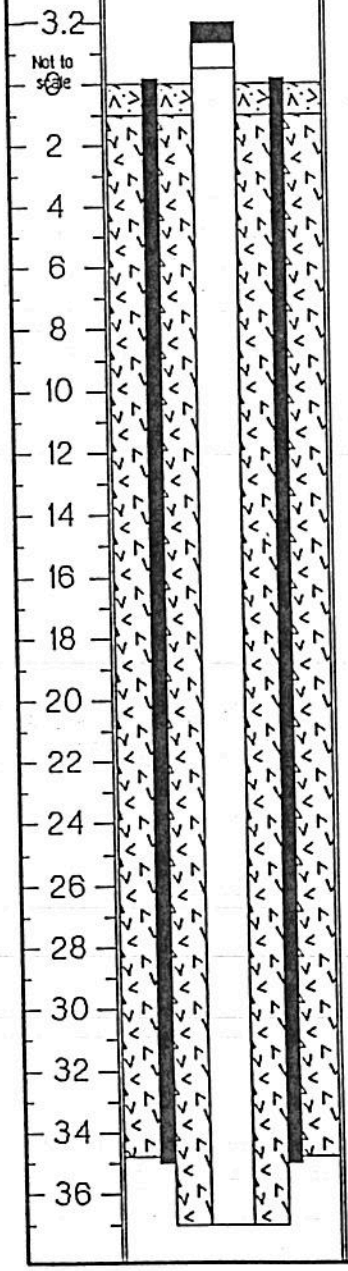
GROUNDWATER TECHNOLOGY

Monitoring Well D-4

Project BP Chemicals-Green Lake Owner BP Chemicals
Location Port Lavaca, Texas Proj. No. 04248-0372
Surface Elev. ____ Total Hole Depth 80 ft. Diameter oc:12.0; ic:7.875 in.
Top of Casing ____ Water Level Initial -- ft. Static ____
Screen: Dia 4 in. Length 25 ft. Type/Size .010 in.
Casing: Dia ic:4; oc:8 in. Length ic:80; oc:35 ft. Type PVC Riser
Fill Material 20/40 Colorado Sand Rig/Core Split Spoon
Drill Co. Best Drilling Method Mud Rotary
Driller Keith Barge Log By Bill Hardmant Date 01/24/96 Permit # ____
Checked By ____ License No. ____

See Site Map For Boring Location

COMMENTS:

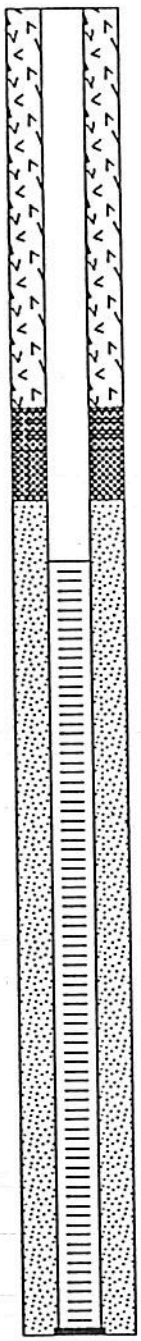
Depth (ft.)	Well Completion	FID (ppm)	Sample ID	Blow Count/ % Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%
3.2 Not to scale							
						CH	0.0'-17.0' CLAY, dark brown, trace small calcarous nodules, slightly damp, stiff. 5.0'-17.0' light brown, mottled with light grey, small calcarous nodules, very stiff.
						ML	17.0'-19.0' Sandy SILT, tan, trace clayey pockets, iron staining, very moist, soft.
						CL	19.0'-32.0' Silty CLAY, light grey mottled brown, trace calcareous nodules, iron staining, damp, stiff. 25.0'-28.0' some silty pockets, slightly damp.
						ML	28.0'-32.0' SILT, intermixed with sand, damp, soft.
						CH	32.0'-61.0' CLAY, light grey mottled light brown, slightly damp, very stiff to hard.

Drilling Log

GROUNDWATER TECHNOLOGY

Monitoring Well D-4

Project BP Chemicals-Green Lake Owner BP Chemicals
Location Port Lavaca, Texas Proj. No. 04248-0372

Depth (ft.)	Well Completion	FID (ppm)	Sample ID	Blow Count/ % Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%
37							
39							40.0'-47.0' light brown mottled with light grey, iron staining.
41							
43							
45							
47							47.0'-61.0' light grey mottled light brown, trace calcareous nodules, iron staining, very stiff.
49						CH	
51							
53							
55							
57							
59							
61							61.0'-67.0' Silty SAND, light brown to tan, very fine grained, very moist to wet, soft.
63						SM	
65							
67							67.0'-79.0' Gravelly SAND, tan, medium to coarsed grained, poorly sorted, some small pebbles, sub angular, wet.
69							
71							
73						SP	
75							
77							
79							79.0'-82.0' CLAY, light brown, trace sitly pockets, iron staining, slightly damp, hard.
81						CH	END OF BORING
83							
85							

Send original copy by certified mail to: TNRCC, P.O. Box 13087, Austin, TX 78711-3087

Please use black ink.

ATTENTION OWNER: *Confidentiality Privilege Notice on Reverse Side*

State of Texas WELL REPORT

Texas Water Well Drillers Advisory Council
P.O. Box 13087
Austin, TX 78711-3087
512-239-0530

1) OWNER BP Chemicals (Name) ADDRESS Green Lake Plant (Street or RFD) Port Lavaca (City) Texas (State) 77979 (Zip)

2) ADDRESS OF WELL: D-4 County Calhoun Green Lake Plant (Street or RFD) Port Lavaca (City) Texas (State) 77979 (Zip) GRID # _____

3) TYPE OF WORK (Check): X New Well ☐ Deepening ☐ Reconditioning ☐ Plugging

4) PROPOSED USE (Check): X Monitor ☐ Environmental Soil Boring ☐ Domestic ☐ Industrial ☐ Irrigation ☐ Injection ☐ Public Supply ☐ De-watering ☐ Testwell

If Public Supply well, were plans submitted to the TNRCC? ☐ Yes ☐ No

5)

6) WELL LOG:
Date Drilling:
Started 1-24 19 96
Completed 1-25 19 96

DIAMETER OF HOLE

Dia.. (in.)	From (ft.)	To (ft.)
12.0	Surface	35.0
7.875	35.0	80.0

7) DRILLING METHOD (Check): ☐ Driven ☐ Air Rotary X Mud Rotary ☐ Bored ☐ Air Hammer ☐ Cable Tool ☐ Jetted ☐ Other _____

From (ft.)	To (ft.)	Description and color of formation material
0.0'	17.0'	Clay, dark brown
17.0'	19.0'	Sandy silt, tan
19.0'	32.0'	Silty clay, light grey - mottled brown
32.0'	61.0'	Clay, light grey
61.0'	67.0'	Silty sand, light brown
67.0'	79.0'	Gravelly sand, tan
79.0'	80.0'	Clay, light brown

(Use reverse side if necessary)

8) Borehole Completion (Check): ☐ Open Hole ☐ Straight Wall ☐ Underreamed X Gravel Packed ☐ Other _____

If Gravel Packed give interval ... from 53 ft. to 80 ft.

CASING, BLANK PIPE, AND WELL SCREEN DATA:

Dia. (in.)	New or Used	Steel, Plastic, etc. Perf., Slotted, etc. Screen Mfg., if commercial	Setting (ft.) From	Setting (ft.) To	Gage Casting Screen
8.0	N	Schedule 40 PVC	0	35	—
4.0	N	Schedule 40 PVC	0	55	—
4.0	N	Schedule 40 PVC	55	80	0.010

9) CEMENTING DATA [Rule 338.44(1)]
Cemented from 0 ft. to 50 ft. No. of sacks used 8.0
_____ ft. to _____ ft. No. of sacks used _____
Method used Tremie
Cemented by Keith Barge
Distance to septic system field lines or other concentrated contamination N/A ft.
Method of verification of above distance _____

10) SURFACE COMPLETION
X Specified Surface Slab Installed (Rule 338.44(2)(A)]
☐ Specified Steel Sleeve Installed [Rule 338.44(3)(A)]
☐ Pitless Adapter Used [Rule 338.44(3)(b)]
☐ Approved Alternative Procedure Used [Rule 338.71]

11) WATER LEVEL
Static Level 47.0 ft. below land surface Date 1-25-96
Artesian flow _____ gpm Date _____

12) PACKERS: Type Depth
Volclay 50-53

13) TYPE PUMP: N/A
☐ Turbine ☐ Jet ☐ Submersible ☐ Cylinder
☐ Other _____
Depth to pump bowls, cylinder, jet, etc., _____ ft.

14) WELL TESTS: N/A
Type Test: ☐ Pump ☐ Bailer ☐ Jetted ☐ Estimated
Yield: _____ gpm with _____ ft. drawdown after _____ hrs.

15) WATER QUALITY:
Did you knowingly penetrate any strata which contained undesirable constituents?
☐ Yes X No If yes, submit "REPORT OF UNDESIRABLE WATER"
Type of water? _____ Depth of strata _____
Was a chemical analysis made? ☐ Yes ☐ No

I hereby certify that this well was drilled by me (or under my supervision) and that each and all of the statements herein are true to the best of my knowledge and belief. I understand that failure to complete items 1 thru 15 will result in the log(s) being returned for completion and resubmittal.

COMPANY NAME Best Drilling Services (Type or print) WELL DRILLER'S LICENSE NO. 4786-M

ADDRESS P.O. Box 845 (Street or RFD) Friendswood (City) Texas (State) 77546 (Zip)

(Signed) Keith Barge (Licensed Well Driller) (Signed) _____ (Registered Driller Trainee)

Please attach electric log, chemical analysis, and other pertinent information, if available.

TNRCC-0199 (Rev. 11-1-94)

WELL OWNER'S COPY

2713 Houston Hightway
Victoria, TX 77901
Phone: (512) 572-8224
FAX: (512) 572-4115

B-Environmental

Fax

To:	Brad Genzer TNRCC	**From:**	Kevin Baros
Fax:	(361)825-3101	**Pages:**	2 (including cover)
Phone:		**Date:**	November 14, 2001
Re:		**CC:**	

☐ **Urgent** x **For Review** ☐ **Please Comment** ☐ **Please Reply** ☐ **Please Recycle**

• **Comments:**

Brad,

Please review the following procedure for cleaning glassware, containers, etc..

Wayne La Croix , with BP Chemical requested I fax this to you. Please call with any questions.

Thank You,

Kevin Baros

B– Environmental

Appendix II

All containers associated with organic GC, GC/MS applications are purchased precleaned from several sources. These containers are cleaned to Level II certification with cleaning procedure A.

All Laboratory glassware and apparatus, ie, syringes, sparge vessels, extraction glassware etc. Are cleaned according to Level II certification standards with cleaning procedure B.

All containers associated with other organic and inorganic applications may be purchased precleaned from several sources, or cleaned to Level II certification standards with cleaning procedure C.

Procedure A:

1. Bottles, liners and caps washed in laboratory-grade, non-phosphate detergent.
2. Rinsed 3 x with distilled water.
3. Rinsed with 1:1 HN03.
4. Rinsed 3 x with ASTM—Type II Organic-free water.
5. Oven-dried for one hour.
6. Rinsed with hexane.
7. Oven-dried for one hour.

Procedure B:

1. Containers and contact components are washed in laboratory-grade, non-phosphate detergent.
2. Rinsed 3 x with tap water.
3. Rinsed 3 x with ASTM—Type II organic free water.
4. Oven-dried for one hour.

Procedure C:

1. Sample containers, glassware, etc., are washed in laboratory-grade, non-phosphate detergent.
2. Rinsed 3 x in tap water.
3. Rinsed 1:1 Trace Metal Grade HN03.
4. Rinsed tap water.
5. Rinsed 1:1 Trace Metal Grade HCL.
6. Rinsed 3 x in tap water.
7. Rinsed 3 x in Type II water.

bp

Green Lake Plant
P O Box 659
Port Lavaca TX 77979

main switchboard: 361-552-7543
fax: 361-552-8229
www.bp.com

facsimile

Date: 12-4-01
To: Brad Genzer
Company: TNRCC
Fax Number: 361 825 5101
Number of Pages: 1
Subject: DIU replacement letter

From: Wayne LaCoix
Company: BP Chemicals
Dept: HSE
Telephone: 361 552 8660
Fax:

Message:

IF INCOMPLETE TRANSMITTAL OR DIFFCULTY IN RECEIVING
PLEASE CALL REBECCA TREVINO @ 552-8672

bp

BP
Green Lake Complex
13050 State Highway 185
PO Box 659
Port Lavaca, TX 77979

Switchboard: (361) 552-7543
Central Fax: (361) 552-6647

Texas Natural Resource Conservation Commission
Office of the Executive Director (MC 109)
Mr. Jeff Saitas
P.O. Box 13087
Austin, Texas 78711-3087

December 4, 2001

Re: Plug and replace D1U landfill monitor well under permit HW-50143.

Dear Mr. Saitas;

During our most recent sampling event we were unable to obtain required information and samples from D1U monitoring well. It is our intention that this well is to be plugged and abandoned. A replacement well will be installed within three to five feet of the existing well within the 90 day time frame. A complete report will follow as soon as the well is replaced.

Sincerely yours,

Wayne LaCroix

Wayne LaCroix, Environmental Coordinator

TEXAS NATURAL RESOURCE CONSERVATION COMMISSION

TNRCC

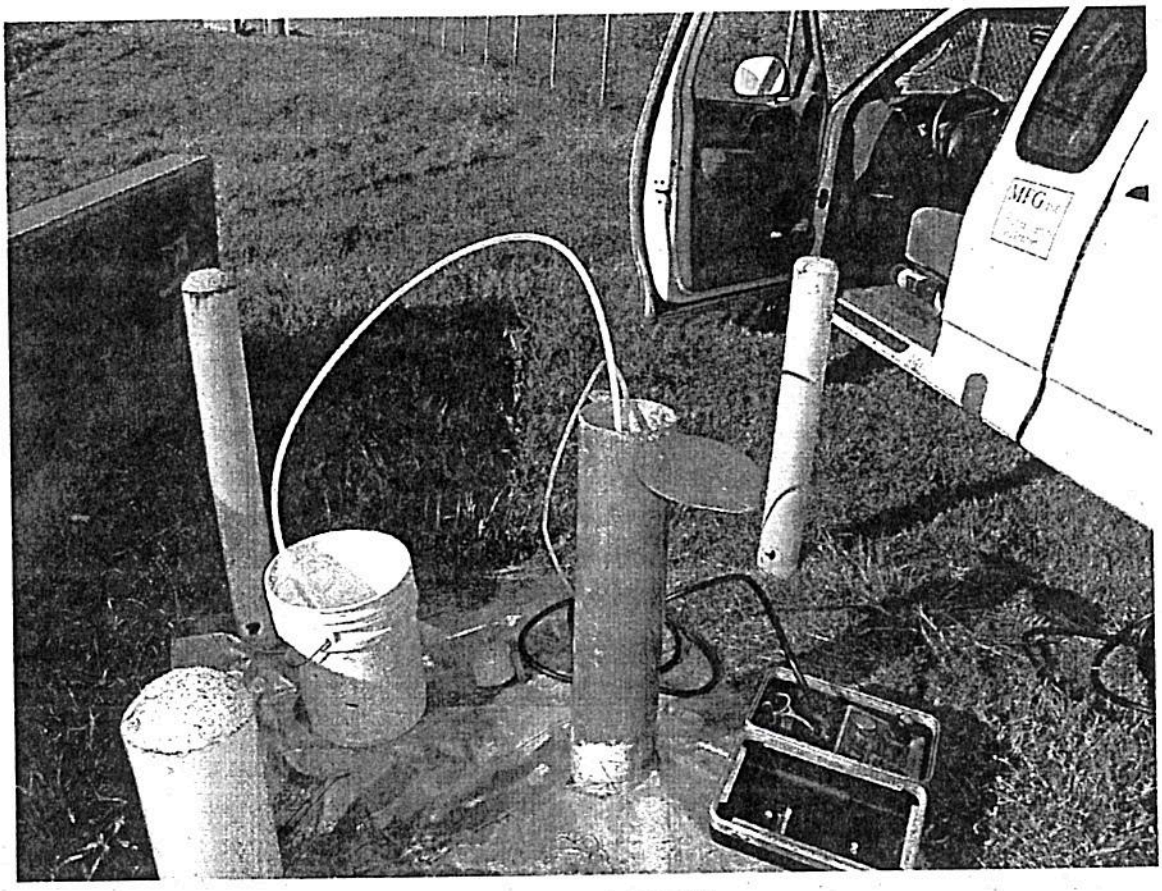
ATTACHMENT 11

PHOTOGRAPHS

TNRCC ID#	**32164**	**Facility Name:**	**BP Chemicals, Inc.**	**County Name:**	**Calhoun**
Inspection Date:	**11/7, 11/8, & 11/14/2001**	**TNRCC Investigator:**	**Brad W. Genzer**		

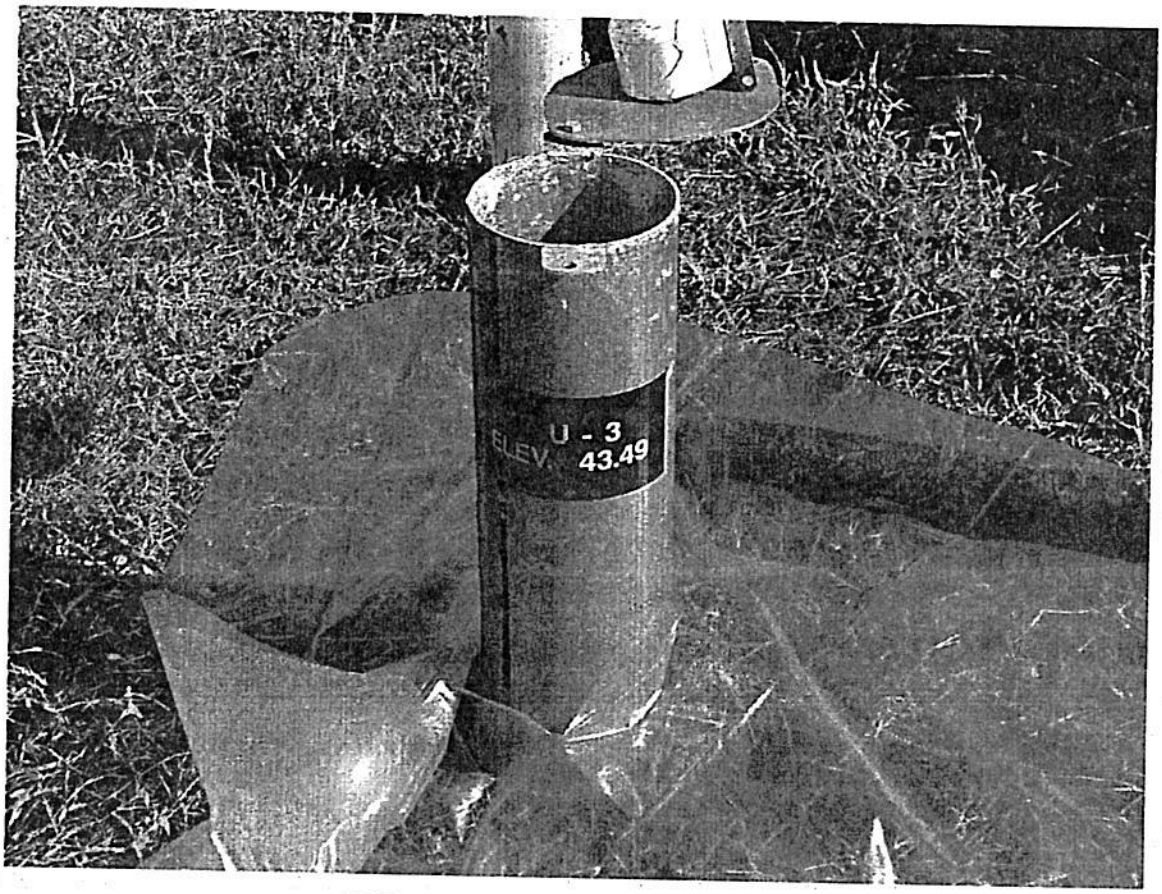
OFFICIAL PHOTOGRAPH
TEXAS NATURAL RESOURCE CONSERVATION COMMISSION

SUBJECT BP Chemicals, Inc. - Green Lake Complex
LOCATION New Landfill MW D-4
CITY Port Lavaca COUNTY Calhoun
DATE 11/07/2001 TIME 1500 HRS
WEATHER SUN [X] HAZE [ ] CLOUDY [ ] RAINY [ ] SNOW [ ]
PHOTOGRAPHER (Sig.) Brad W. Genzer
WITNESS (Sig.)
CAMERA Olympus Camedia C-3000
FILM TYPE Digital ASA N/A
NEGATIVE LOCATION Digital Photograph
TNRCC PERMIT NO. 32164 OUTFALL NO. N/A
PROCESSED BY BWG DATE 11/13/2001
PHOTO NO. 1 OF 5
COMMENTS Bladder pump being pulled from MW D-4 due to damaged seal. Note: clear discharge tubing on potentially contaminated surface, and no decontamination of tubing between wells.



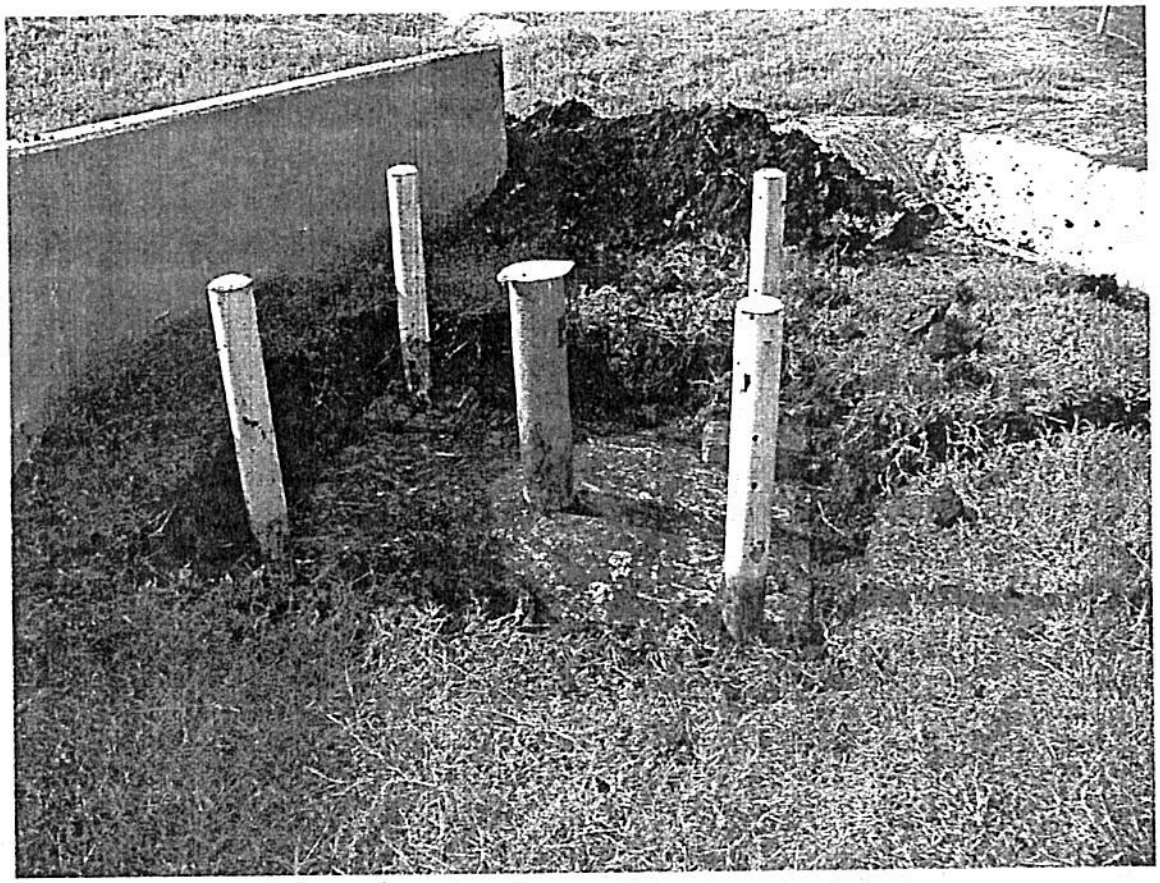
OFFICIAL PHOTOGRAPH
TEXAS NATURAL RESOURCE CONSERVATION COMMISSION

SUBJECT BP Chemicals, Inc. - Green Lake Complex
LOCATION New Landfill MW U-1
CITY Port Lavaca COUNTY Calhoun
DATE 11/07/2001 TIME 1335 HRS
WEATHER SUN [X] HAZE [ ] CLOUDY [ ] RAINY [ ] SNOW [ ]
PHOTOGRAPHER (Sig.) Brad W. Genzer
WITNESS (Sig.)
CAMERA Olympus Camedia C-3000
FILM TYPE Digital ASA N/A
NEGATIVE LOCATION Digital Photograph
TNRCC PERMIT NO. 32164 OUTFALL NO. N/A
PROCESSED BY BWG DATE 11/13/2001
PHOTO NO. 2 OF 5
COMMENTS View of setup prior to purging MW U-1. Typical setup for each well consisted of the pump control device, discharge tubing, and calibrated bucket.



OFFICIAL PHOTOGRAPH
TEXAS NATURAL RESOURCE CONSERVATION COMMISSION

SUBJECT BP Chemicals, Inc. - Green Lake Complex
LOCATION New Landfill MW U-3
CITY Port Lavaca COUNTY Calhoun
DATE 11/07/2001 TIME 1420 HRS
WEATHER SUN [X] HAZE [ ] CLOUDY [ ] RAINY [ ] SNOW [ ]
PHOTOGRAPHER (Sig.) Brad W. Genzer
WITNESS (Sig.)
CAMERA Olympus Camedia C-3000
FILM TYPE Digital ASA N/A
NEGATIVE LOCATION Digital Photograph
TNRCC PERMIT NO. 32164 OUTFALL NO. N/A
PROCESSED BY BWG DATE 11/13/2001
PHOTO NO. 3 OF 5
COMMENTS View of MW U-3. The concrete pad was silted in with approximately 1 foot of soil. Note the grass around the casing and beneath the plastic.



OFFICIAL PHOTOGRAPH
TEXAS NATURAL RESOURCE CONSERVATION COMMISSION

SUBJECT BP Chemicals, Inc. - Green Lake Complex
LOCATION New Landfill MW U-3
CITY Port Lavaca COUNTY Calhoun
DATE 11/14/2001 TIME 1020 HRS
WEATHER SUN [ ] HAZE [ ] CLOUDY [X] RAINY [ ] SNOW [ ]
PHOTOGRAPHER (Sig.) Brad W. Genzer
WITNESS (Sig.)
CAMERA Olympus Camedia C-3000
FILM TYPE Digital ASA N/A
NEGATIVE LOCATION Digital Photograph
TNRCC PERMIT NO. 32164 OUTFALL NO. N/A
PROCESSED BY BWG DATE 11/15/2001
PHOTO NO. 4 OF 5
COMMENTS View of MW U-3. The soil above the concrete pad was removed to allow for a visual inspection. No cracks or damage was noted.

OFFICIAL PHOTOGRAPH
TEXAS NATURAL RESOURCE CONSERVATION COMMISSION

SUBJECT BP Chemicals, Inc. - Green Lake Complex
LOCATION New Landfill MW U-3
CITY Port Lavaca COUNTY Calhoun
DATE 11/14/2001 TIME 1020 HRS
WEATHER SUN [ ] HAZE [ ] CLOUDY [X] RAINY [ ] SNOW [ ]
PHOTOGRAPHER (Sig.) Brad W. Genzer
WITNESS (Sig.)
CAMERA Olympus Camedia C-3000
FILM TYPE Digital ASA N/A
NEGATIVE LOCATION Digital Photograph
TNRCC PERMIT NO. 32164 OUTFALL NO. N/A
PROCESSED BY BWG DATE 11/15/2001
PHOTO NO. 5 OF 5
COMMENTS View facing northwest toward MW U-3. The soil above the concrete pad was removed to allow for a visual inspection.

TEXAS NATURAL RESOURCE CONSERVATION COMMISSION

TNRCC

ATTACHMENT 12

HISTORICAL DOCUMENTATION FOR MONITOR WELLS
NEW LANDFILL SITE

TNRCC ID#	**32164**	**Facility Name:**	**BP Chemicals, Inc.**	**County Name:**	**Calhoun**
Inspection Date:	**11/7, 11/8, & 11/14/2001**	**TNRCC Investigator:**	**Brad W. Genzer**		

TABLE D-1

Monitor-Well Construction Details
New Landfill Site
Standard Oil Chemical, Green Lake Complex
Port Lavaca, TX

Final Well No.	Original Well No.	Date Drilling Completed	Plant North	Coordinates West/East	Boring Depth (ft-bls)	Well Depth (ft-bls)	Screen Interval (ft-bls)	Top of Casing ~~(ft-bls)~~ MSL
D-1U	U-1	07-30-86	N4875.53	E9912.63	42	38.0	26.0-36.0	44.12
*D-1L	D-1	08-08-87	N4776.54	E9856.57	80	77.5	55.0-75.0	49.41
*D-2	U-2	07-30-86	N4568.74	E9739.75	49	49.0	39.0-49.0	42.81
*D-3	D-3	08-08-87	N4622.22	E9854.08	80	79.0	57.5-77.5	49.55
D-4	D-4	09-17-87	N4783.06	E9855.78	83	83.0	57.0-81.0	49.43
D-5	D-5	09-16-87	N4630.14	E9858.46	82	81.0	56.0-81.0	48.12
~~D-6~~	~~D-6~~	09-15-87	N4577.04	E9743.78	78.5	76.0	51.0-76.0	51.29
U-1	D-1	08-01-86	N5300.20	E9748.02	51	49.0	39.0-49.0	44.01
U-2	D-2	07-31-86	N5299.33	E9624.40	49	49.0	39.0-49.0	43.92
U-3	D-3	07-31-86	N5302.79	E9503.01	59	51.0	39.0-49.0	42.01

* Wells are plugged and abandoned.
U Upper Unit
L Lower Unit

StanT/17/ibk

DATE	8-22-86	CHECKED BY	BTG		DRAWING NO.	L0212GL2-A3
		APPROVED BY	JML	12-4-86	REVISED	S.J.E. 12-4-86

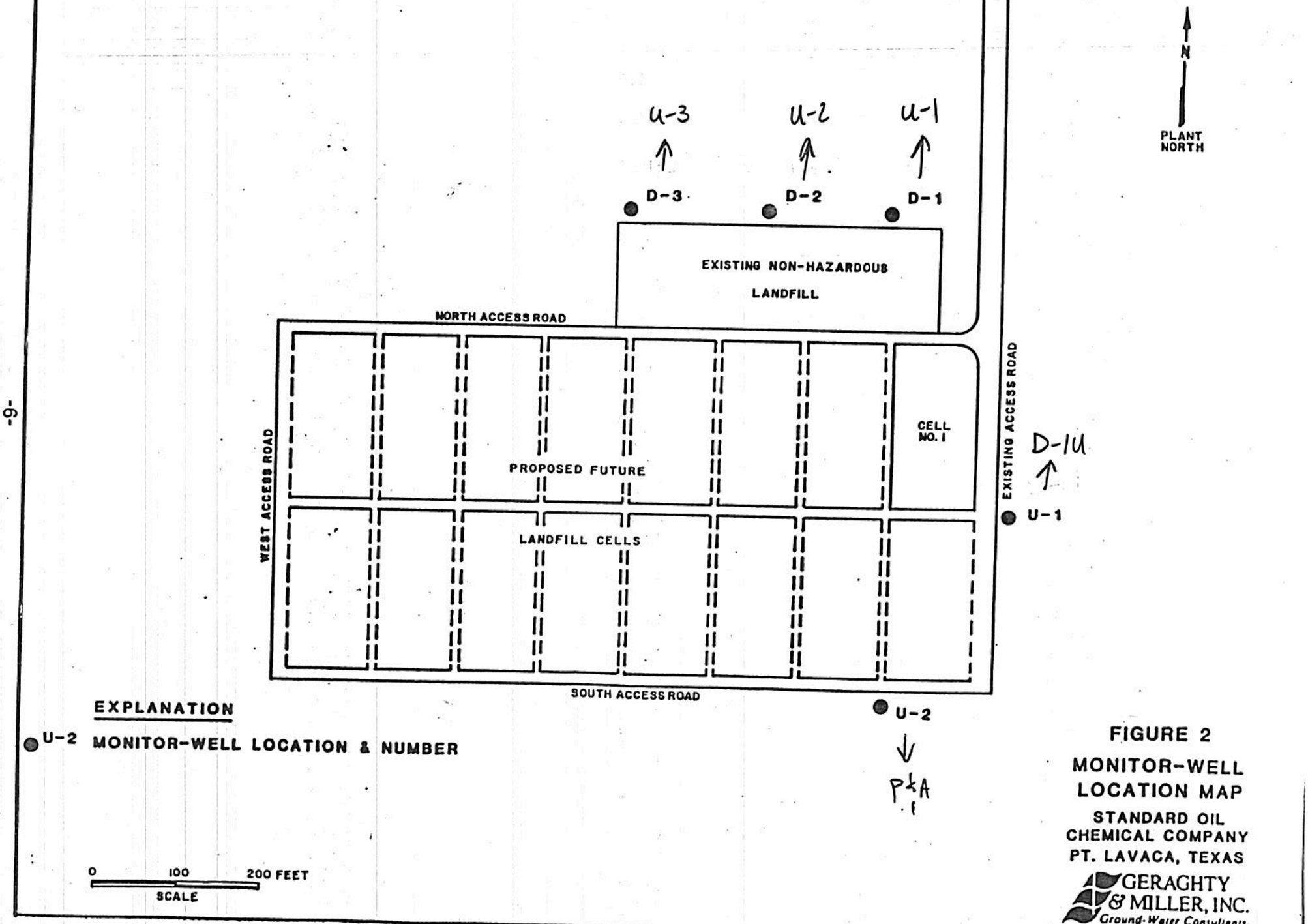


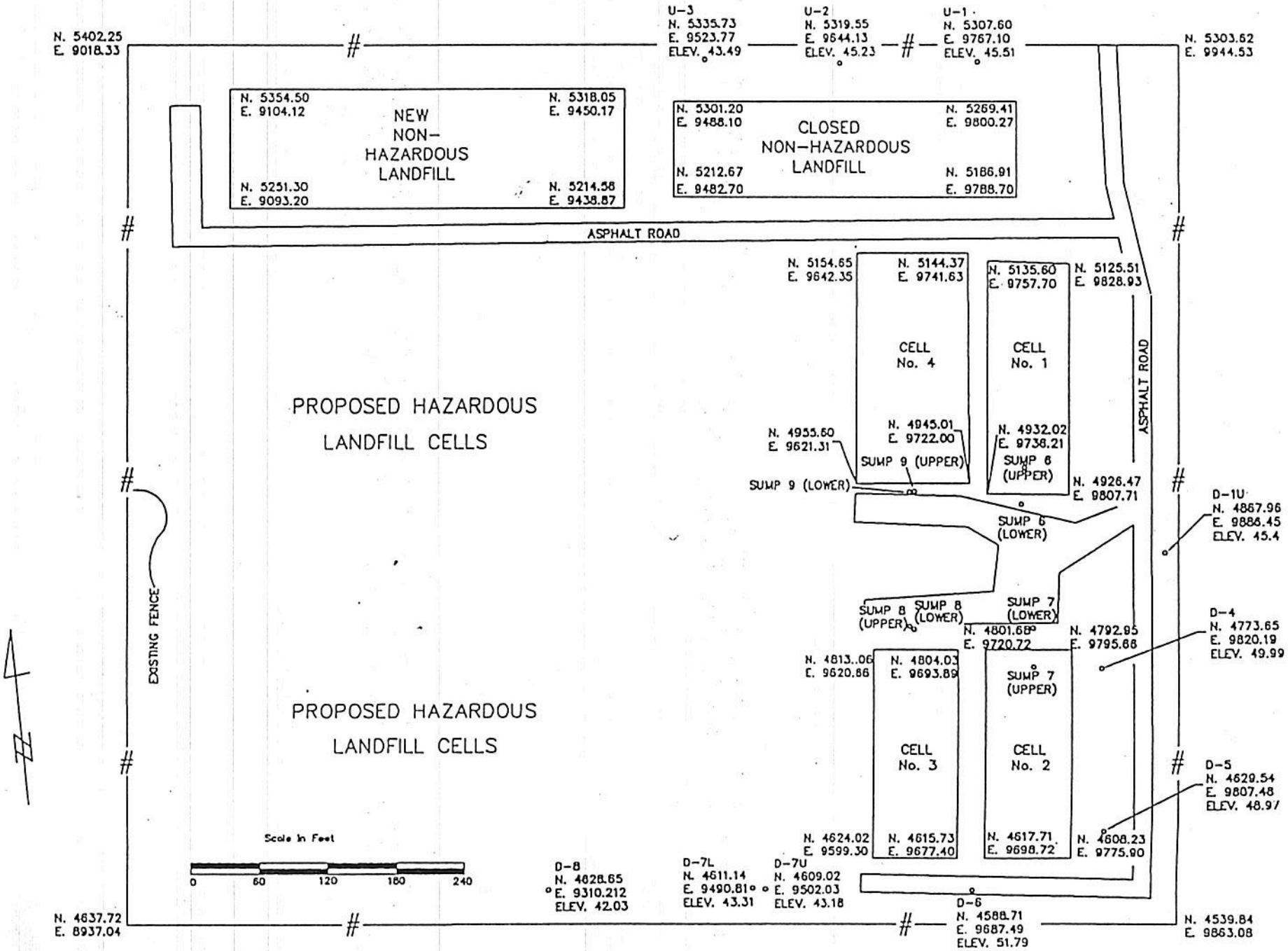
FIGURE 2

MONITOR-WELL LOCATION MAP

STANDARD OIL CHEMICAL COMPANY
PT. LAVACA, TEXAS

GERAGHTY & MILLER, INC.
Ground-Water Consultants

MONITORING WELLS
NEW LANDFILL



TEXAS NATURAL RESOURCE CONSERVATION COMMISSION

FY 2002 MULTI-MEDIA TRACKING FORM

Facility/Source Name: BP Chemicals, Inc.

Address: Green Lake Facility
P.O. Box 659
Port Lavaca, Texas 77979

County: Calhoun *Region:* 14 *Office:* Corpus Christi

Use E-mail address for inspector name

AGRI _____ AIR _____
IHW SPARR MSW _____
PST SPARR PWS _____
DGW BGENZER UIC SPARR

Inspection Media	ID Number (Permit, Registration, Account, Facility Id #, etc. - as applicable)	Inspection Date(s) (begin/end)	Violations Discovered? (Yes/No)	VIOLATIONS ADDRESSED BY (check all that apply): do not use a checkmark - date must be used			
				Regional NOV (date)	Regional BCA (date)	Regional Order (date)	Referral to Central Office (date of referral)
Agriculture							
Air							
IHW - Hazardous or Industrial Solid	32164	10/24/2001 - 11/14/2001	Yes	Verbal			
IHW - UIC	WDWs-163, 164, 165	10/24/2001 - 11/14/2001	No				
IHW- Radioactive							
Municipal Waste							
Petroleum Storage Tank	36304	11/02-14/2001	No				
Public Water Supply							
Groundwater (DGW)	50143	11/07, 11/08, 11/14/2001	Yes	01/03/2002			

Attach copy to the report

REVISED 9-98 dr