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August 5, 1993

Mike Grimm
Amoco Production
501 W. Lake Park Blvd.
P.O. Box 3092
Houston, Texas 77253-3092

Dear Mr. Grimm,

Attached are the results for the thirty-one water samples collected on August 2&3, 1993 at the Padre Island Project, Texas. The water samples were analyzed for benzene, toluene, ethylbenzene and total xylenes (BTEX) using modified EPA method 8020 and modified EPA method 5030 purge and trap sample introduction. The reporting limit for benzene is 1 ug/L, with toluene, ethylbenzene and total xylenes having reporting limits of 5 ug/L. Concentrations of analytes below the reporting limit are labelled as "BRL".

If you have any questions concerning the data please feel free to call.

Sincerely,

Charles Isbon
GeoChemist

**AMOCO PRODUCTION
PADRE ISLAND
TEXAS**

Water Samples

Borehole # 1993 Sample	HP-6	HP-7	HP-8	HP-9
Collection Date:	8/02	8/02	8/02	8/02
Date Analyzed:	8/02	8/02	8/02	8/02
Sample Depth (feet)	5	5	5	5
Benzene (ug/L)	4.2 (1)	5.2 (1)	3.0 (1)	4 (1)
Toluene (ug/L)	25 (5)	30 (5)	15 (5)	24 (5)
Ethylbenzene (ug/L)	6.0 (5)	7.0 (5)	BRL (5)	6 (5)
Total Xylenes (ug/L)	35 (5)	39 (5)	16 (5)	36 (5)
BTEX TOTAL	70	81	34	70

Water Samples

Borehole # 1993 Sample	HP-10	HP-11	HP-12	HP-13
Collection Date:	8/02	8/02	8/02	8/02
Date Analyzed:	8/02	8/02	8/02	8/02
Sample Depth (feet)	4	4	5	6
Benzene (ug/L)	560 (1)	1500 (1)	540 (1)	1.7 (1)
Toluene (ug/L)	580 (5)	4700 (5)	1100 (5)	8.9 (5)
Ethylbenzene (ug/L)	590 (5)	3500 (5)	1000 (5)	BRL (5)
Total Xylenes (ug/L)	2060 (5)	13000 (5)	2050 (5)	7.5 (5)
BTEX TOTAL	3790	22700	4690	18

Reporting limit for BTEX is in parenthesis.
BRL = Below Reporting Limit

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PADRE ISLAND
TEXAS**

Water Samples

Borehole # 1993 Sample	HP-14	HP-15	HP-16	HP-17
Collection Date:	8/02	8/02	8/02	8/02
Date Analyzed:	8/02	8/02	8/02	8/02
Sample Depth (feet)	4	5	5	5
Benzene (ug/L)	1.8 (1)	24 (1)	1.5 (1)	1.2 (1)
Toluene (ug/L)	9 (5)	120 (5)	12 (5)	BRL (5)
Ethylbenzene (ug/L)	BRL (5)	150 (5)	BRL (5)	BRL (5)
Total Xylenes (ug/L)	8 (5)	430 (5)	14 (5)	6.6 (5)
BTEX TOTAL	19	724	28	7.8

Water Samples

Borehole # 1993 Sample	HP-18	HP-19	HP-20	HP-21
Collection Date:	8/02	8/02	8/02	8/02
Date Analyzed:	8/02	8/02	8/02	8/02
Sample Depth (feet)	5	6	9	5
Benzene (ug/L)	23 (1)	BRL (1)	BRL (1)	BRL (1)
Toluene (ug/L)	66 (5)	9.6 (5)	BRL (5)	BRL (5)
Ethylbenzene (ug/L)	400 (5)	BRL (5)	BRL (5)	BRL (5)
Total Xylenes (ug/L)	560 (5)	9.2 (5)	5.3 (5)	BRL (5)
BTEX TOTAL	1050	19	5.3	0

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Water Samples

Borehole #	HP-22	HP-23	HP-24	HP-25
1993 Sample				
Collection Date:	8/02	8/02	8/02	8/02
Date Analyzed:	8/02	8/02	8/02	8/02
Sample Depth (feet)	15	10	6	12
Benzene (ug/L)	210 (1)	120 (1)	260 (1)	8.8 (1)
Toluene (ug/L)	19 (5)	28 (5)	190 (5)	28 (5)
Ethylbenzene (ug/L)	102 (5)	27 (5)	720 (5)	13 (5)
Total Xylenes (ug/L)	19 (5)	28 (5)	790 (5)	63 (5)
BTEX TOTAL	350	203	1960	113

Water Samples

Borehole #	HP-26	HP-27	HP-28	HP-29
1993 Sample				
Collection Date:	8/02	8/03	8/03	8/03
Date Analyzed:	8/02	8/03	8/03	8/03
Sample Depth (feet)	6	5	5	5
Benzene (ug/L)	250 (1)	BRL (1)	BRL (1)	100 (1)
Toluene (ug/L)	1000 (5)	BRL (5)	BRL (5)	42 (5)
Ethylbenzene (ug/L)	1100 (5)	BRL (5)	BRL (5)	210 (5)
Total Xylenes (ug/L)	5300 (5)	BRL (5)	BRL (5)	325 (5)
BTEX TOTAL	7650	0	0	677

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Water Samples

Borehole # 1993 Sample Collection Date: Date Analyzed:	HP-30	HP-31	HP-32	HP-32(DP.)
	8/03 8/03	8/03 8/03	8/03 8/03	8/03 8/03
Sample Depth (feet)	5	5	6	6
Benzene (ug/L)	3000 (1)	640 (1)	400 (1)	470 (1)
Toluene (ug/L)	16000 (5)	860 (5)	63 (5)	37 (5)
Ethylbenzene (ug/L)	8900 (5)	250 (5)	230 (5)	220 (5)
Total Xylenes (ug/L)	18600 (5)	1700 (5)	530 (5)	510 (5)
BTEX TOTAL	46500	3450	1223	1237

Water Samples

Borehole # 1993 Sample Collection Date: Date Analyzed:	HP-33	HP-34	HP-35
	8/03 8/03	8/03 8/03	8/03 8/03
Sample Depth (feet)	6	12	-
Benzene (ug/L)	90 (1)	1.5 (1)	36 (1)
Toluene (ug/L)	23 (5)	6.6 (5)	91 (5)
Ethylbenzene (ug/L)	51 (5)	6.3 (5)	160 (5)
Total Xylenes (ug/L)	54 (5)	28 (5)	520 (5)
BTEX TOTAL	218	42	807

Reporting limit for BTEX is in parenthesis.
BRL = Below Reporting Limit

