



DOW CHEMICAL U.S.A.

REV
8/8

LOUISIANA DIVISION

P. O. BOX 150

PLAQUEMINE, LOUISIANA 70764

504 389-8000

January 22, 1981

A. E. Kirby - Marine
D. R. Fabre - Marine
Shift Supervisors - Marine
Bulletin Board - Dock #1
Dannie Kennedy - Industrial Hygiene
Bud Smallridge - Safety

For your information, attached are exposure levels, shown in parts per million, from barge samples taken in 1980 during loading operations. Unless otherwise shown, these are 8 hour time weighted averages taken with personnel monitoring pumps. TLV's listed are maximum allowable exposures.

J. L. Moreau, Jr.
J. L. Moreau, Jr.
Industrial Hygiene

SG

C-5 BENZENE SAMPLES

TLV-10

<u>DATE</u>	<u>PERSONNEL</u>	<u>AREA CONTROL ROOM</u>	<u>AREA BARGE</u>	<u>AREA FAN BLOWER</u>	<u>VENT METHOD</u>
1-13-	0.02				OPEN HATCH
1-13	0.03				OPEN HATCH
1-24	0.29*				OPEN HATCH
1-24	3.29*				OPEN HATCH
1-19			84.94*		OPEN HATCH
1-19			1198.96*		OPEN HATCH
12-30	0.07	0.03	0.15	0.03	FAN BLOWER
12-30	0.03				FAN BLOWER
12-30	0.03				FAN BLOWER
12-30	0.41				FAN BLOWER

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BENZENE SAMPLES
TLV-10

<u>DATE</u>	<u>PERSONNEL</u>	<u>AREA CONTROL ROOM</u>	<u>AREA TOP DECK NEXT TO BARGE</u>	<u>AREA CENTER OF BARGE</u>	<u>AREA FAN BLOWER</u>	<u>VENT METHO</u>
3-20	1.00		0.40	24.00		RISER
3-20	4.00					RISER
3-20	5.00					RISER
3-27	0.81		0.11	0.20		FLARE
3-27	6.83					FLARE
3-27	4.04					FLARE
3-29	0.52	0.26	0.18	5.07		FLARE
3-29	0.46					FLARE
4-22	0.40					FLARE
4-22	0.75					FLARE
4-22	9.09					FLARE
4-25	1.90			0.67		FLARE
4-25	0.04					FLARE
4-25	2.96					FLARE
4-25	0.06					FLARE
5-4	3.66	0.02	8.16	14.00		RISER
5-4	10.81					RISER
5-4	22.92					RISER
5-13	10.52	0.43	12.80	150.11		RISER
5-13	8.94					RISER
5-13	0.86					RISER
5-22	13.32	0.03	2.56	38.67		RISER
5-22	5.79					RISER
5-22	1.30					RISER
6-7	11.96	0.06	4.64	72.44		RISER
6-7	4.86					RISER
6-7	3.51					RISER
6-14	2.07	1.29	1.21			RISER
6-14	11.08					RISER
6-14	3.08					RISER
6-22	9.84	0.09	3.38	1.17		RISER
6-22	4.89					RISER
6-22	6.10					RISER
8-24	33.91		15.06	65.27		OPEN HATC
8-24	10.20					OPEN HATC
8-24	4.54					OPEN HATC
8-28	0.18	0.18	0.18	23.59		OPEN HATC
8-28	7.95					OPEN HATC
8-28	0.18					OPEN HATC
9-17	0.45	0.12				RISER
9-17	1.34					RISER
9-17	0.77					RISER
9-17	1.34					RISER
9-17	1.52					RISER
9-18	0.06		0.07	11.94		OPEN HATC
9-18	0.06					OPEN HATC
9-19	79.33					OPEN HATC
9-19	14.98					OPEN HATC
9-19	28.59					OPEN HATC

BENZENE SAMPLES
TLV-10

<u>DATE</u>	<u>PERSONNEL</u>	<u>AREA CONTROL ROOM</u>	<u>AREA TOP DECK NEXT TO BARGE</u>	<u>AREA CENTER OF BARGE</u>	<u>AREA FAN BLOWER</u>	<u>VENT METH</u>
9-30	5.95	0.06	0.05	17.21		RISER
9-30	13.26					RISER
9-30	0.06					RISER
10-3	0.37			0.08		RISER
10-3	2.59					RISER
10-3	0.08					RISER
10-3	40.93			741.03		RISER
10-3	15.88					RISER
10-3	138.45					RISER
10-15	1.29			1.64		RISER
10-15	0.12					RISER
10-15	0.05					RISER
10-20	3.86			80.99		RISER
10-20	1.62					RISER
10-20	84.91					RISER
10-21	0.79			52.84		RISER
10-21	80.85					RISER
10-21	150.97					RISER
11-20	0.19	0.08		1.05		RISER
11-20	12.87					RISER
11-20	7.78					RISER
11-21	0.09	0.09		3.23		RISER
11-21	0.56					RISER
11-21	0.09					RISER
12-2	13.29	0.40		19.90		OPEN HATCH
12-2	12.90					OPEN HATCH
12-2	1.32					OPEN HATCH
12-5	49.05	0.72		3692.42		RISER
12-5	0.24					RISER
12-5	0.26					RISER
12-5	43.84	0.45		154.26		RISER
12-5	20.97					RISER
12-5	14.96					RISER
12-18	0.21	2.11		5.92	4.29	FAN BLOWER
12-18	151.64					FAN BLOWER
12-18	89.89					FAN BLOWER