

**NATLSCO**

National Loss Control Service Corporation
Long Grove, Illinois 60049-0075 (312) 540-2488

ENVIRONMENTAL SCIENCES LABORATORY, K-2

LABORATORY ANALYSIS REPORTREPORT DATE SEP. 6, 1989SAMPLES REC'D AUG. 28, 1989REQUEST NUMBER 104022

PAGE NUMBER 1 OF REQUEST.

TO:

DIANA FRIESZ
B. F. GOODRICH
RR 1 BOX 15
HENRY

IL 61537

SAMPLE NUMBER	ANALYSIS REQUESTED	RESULTS
BLANK	BLANK... CARBON DISULFIDE	NONE DETECTED
BLANK	BLANK... BLANK	NONE DETECTED
BLANK	BLANK... QUARTZ	SUBTRACTED
XP0931	TOLUENE <i>no Hall</i>	PPM C1.0

C MEANS LESS THAN

METHODS: GAS CHROMATOGRAPHY (SPECIAL)
GAS CHROMATOGRAPHY (ROUTINE)
X-RAY DIFFRACTION

Respectfully submitted,

Joan A. Wronski, CIH, Manager
Environmental Sciences Laboratory

ACCREDITED BY THE AMERICAN INDUSTRIAL HYGIENE ASSOCIATION

NC 448-1 20M 8-88

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NGC 04224

**NATLSCO**

National Loss Control Service Corporation

ENVIRONMENTAL SCIENCES LABORATORY, K-2

Rte. 22 and Kemper Drive

Long Grove, IL 60049-0075 • 312/540-2488

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Title SR ENVIR ENG.
Firm BF GOODRICH
Address RRI Box 15
HEURY IL 61532
Bus. Tel. No. 309/364-9407

No. 104020

ANALYSIS REQUEST

REDACTED

FIELD NUMBER	SAMPLING VOLUME	ANALYZE FOR-	LABORATORY NO.	RESULTS
CS ₂ #1	3.12 LT	CARBON DISULFIDE		
XD 1684	362 MIN	ACETONE		
XP 0857	606 MIN	TOLUENE		
XD 1708	429 MIN	ACETONE		
XD 1821	425 MIN	ACETONE		
H-548	600 MIN K=.82	VINYL CHLORIDE 7/31	0.68	change pearl polys (1)
549	600 MIN K=.89	" " 7/31	0.17	Dove - lagged in 1 & 2 spray & RS (1)
H-550	600 MIN K=.93	" " 7/31	0.43	cleaned strains in poly bag, ran R/S (1)
H-551	600 MIN K=.90	" " 7/31	0.18	hand 1 ea sope strains (1)
H-552	600 MIN K=.72	" " 7/31	0.35	routine day work (2)
H-553	360 MIN K=.82	" " 8/2	0.42	wound catalyst, transfer R/S, EHP jug and transfer brought up copper in lab open in fume hood (2)
H-554	600 MIN K=.72	" " 8/3	0.96	load cars, etc (2)
H-555	600 MIN K=.82	" " 8/4	0.34	super lagged 124 A reclaim 17/ RSB & 19/ (1)
H-556	600 MIN K=.90	" " 8/4	(3.0)	turned sope pump on in poly bag, lagged 124 A on spray #1, grinder in room in (2)
H-557	360 MIN K=.89	" " 8/4	8.7	chipped too polys (2)

COMMENTS:

DATE SAMPLES TAKEN

DATE RECEIVED BY
LABORATORY

DATE COMPLETED

ANALYTICAL METHOD:

REDACTED

NOTES

National Loss Control Service Corporation

ENVIRONMENTAL SCIENCES LABORATORY, K-2

Rte. 22 and Kemper Drive

Long Grove, IL 60049-0075 • 312/540-2488

Time DIVIA FRIE 32
SR FRIEDR. EGG
 Firm ST. GOEDRICH
 Address RRI 52215
HEURY IL 61537
 Bus. Tel. No. 309/364-9407

No. 104021

ANALYSIS REQUEST

FIELD NUMBER	SAMPLING VOLUME	ANALYZE FOR-	LABORATORY NO.	RESULTS
1-558	600 MIN K=.89	VINYL CHLORIDE 8/7	1.2	- change polys in lights (2)
1-559	600 MIN K=.72	" " 8/7	1.0	- dropped & cleaned - no safe polys (2)
1-560	600 MIN K=.93	" " 8/7	0.51	- no 22 poly (training) (2)
1-56B	600 MIN K=.89	" " 8/9	0.06	- silo operator (2)
1-564	600 MIN K=.83	" " 8/9	0.10	- house keeping (2)
1-567	600 MIN K=.82	" " 8/9	0.21	- uf operator, east 2
1-568	360 MIN K=.83	" " 8/9	0.10	Hours started up RS (2)
1-565	600 MIN K=.82	" " 8/10	1.6	logged 173 + 213 (2)
1-566	600 MIN K=.89	" " 8/11	0.15	- rec safe polys (2)
1-567	360 MIN K=.90	" " 8/15	0.53	loaded 2 rail cars opened 3 rail cars (2)
1-568	360 MIN K=.93	" " 8/15	0.86	checked cal, exchanger in cleanliness, maint duties (2)
BLANK		" "		hooked up vcl cars, worked around pumped bottom of spheres
BLANK		" "		
DUST 20	1120 LT	FREE CRYSTALLINE QUARTZ	0.11 mg/m ³	quartz
DUST 21	634 LT	FREE CRYSTALLINE QUARTZ	0.15 mg/m ³	quartz

COMMENTS:

DATE SAMPLES TAKEN

DATE RECEIVED BY
LABORATORY

DATE COMPLETED

ANALYTICAL METHOD:

REDACTED

INDUSTRIAL HYGIENE LABORATORY REQUEST

COLLECTED BY			ANALYSIS REQUIRED			ANALYTICAL		PLANT LOCATION		DATE					
SAMPLE COLLECTOR ☐ CHARCOAL TUBE ☒ FILTER			1			DETECT LIMIT		REPORT DISTRIBUTION		RESULTS REPORTED					
☐ OTHER			2							☐ ppmv ☐ ppbv					
			3							☐ mg/M ³ ☐ Mg/M ³					
			4												
			5												
LAB ID NO.	SAMPLE DESCRIPTION	7 3 5 D E	BZ AREA BULK	COMMENTS	TIME (MIN.)	RATE LMP	VOLUME (L)	☐ MG	☐ JMG	☐	ITEM NO.	FRONT	BACK	TOTAL	RESULTS
	CS ₂ #1 Cancoal tube	☐	☐	unhooked CS ₂ railcar 13:37 to 13:52 8/21/89 (1)	15	0.208	3.12								CS ₂ 0.89
✓	XD 1684 3M Acetone BADGE	☐	☐	operator - lab 8/9/89	362										Acetone 14.0
✓	XD 1821 3M Acetone BADGE	☐	☐	operator - lab 8/22/89	425										Acetone 340
✓	XD 1708 3M Acetone BADGE	☐	☐	operator - lab 8/10/89	427										Acetone 8.5
✓	XP 0951 3M Toluene BADGE	☐	☐	normal operations 8/10/89	616										Toluene <1.0
	XP 0857 3M Toluene badge	☐	☐	normal operator duties	610										Toluene <1.0
		☐	☐												
		☐	☐												
		☐	☐												
		☐	☐												
LOG NO.	DATE REC'D	ANALYZED BY				DATE	APPROVED BY				DATE				

NGC 04227

REDACTED

INDUSTRIAL HYGIENE LABORATORY REQUEST										PLANT LOCATION		DATE	
ANALYSIS REQUIRED										ANALYST		DETECT LIMIT	
1 CS ₂ # 2 & # 3 - CS ₂										DETECT LIMIT		DETECT LIMIT	
2 TBA #1, #2, #3										DETECT LIMIT		DETECT LIMIT	
3										DETECT LIMIT		DETECT LIMIT	
4										DETECT LIMIT		DETECT LIMIT	
5										DETECT LIMIT		DETECT LIMIT	
LABID NO.	SAMPLE DESCRIPTION	AREA	TIME (MIN.)	RATE (LMP)	VOLUME (L)	MG	MG	MG	MG	MG	MG	MG	MG
LABID NO.	SAMPLE DESCRIPTION	AREA	TIME (MIN.)	RATE (LMP)	VOLUME (L)	MG	MG	MG	MG	MG	MG	MG	MG
CS ₂ # 2	CHARCOAL TUBE		15	0.208	3.12								
CS ₂ # 3	3M GAS BADGE		400										
TBA # 1	WAREHOUSE AREA SILICA GEL TUBE		15	0.71	11.9								
TBA # 2	WAREHOUSE AREA SILICA GEL TUBE		15	0.95	14.3								
TBA # 3	SILICA GEL TUBE		15	0.64	9.6								

UNHOOKING CS₂
RAILCAR LINE
8/28/89

UNLOADED CS₂, CAUSTIC
TBA & ANALYZE CARS AT
PC TRUCK; AT PVC TK
FA FOR 1/2 HOUR 8/28/89

ACROSS ISLEWAY FROM
SKIDS OF BBTS BAGS
APPROX 15 FT
8/29/89

IN BETWEEN SKIDS OF
BBTS BAGS
8/29/89

Moving BBTS SKIDS w/
FORK TRUCK AND STAMPING
BBTS BAGS ON SKIDS
8/29/89

These results
are on sheet
with bulk
analysis
results in
other cabinet

NGC 04228

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RETENTION CODE 701-015

(32)

PLANT LOCATION <i>Henry</i>	DATE <i>7-31-89</i>
REPORT DISTRIBUTION	RESULTS REPORTED ☒ ppmv ☐ ppb ☐ mg/M ³ ☐ Mgt

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RETENTION CODE: 701-015

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INDUSTRIAL HYGIENE LABORATORY REQUEST

COLLECTED BY			ANALYSIS REQUIRED		DETECT LIMIT		ANALYTICAL DESORP EFF.		PLANT LOCATION		DATE	
SAMPLE COLLECTOR			CHARCOAL TUBE		FILTER		OTHER		REPORT DISTRIBUTION		RESULTS REPORTED	
LAB ID NO.	SAMPLE DESCRIPTION	BZ AREA BULK	COMMENTS	TIME (MIN.)	RATE LMP	VOLUME (L)	MG	µg	FRONT	BACK	TOTAL	RESULTS
H-518		☒	normal	(0)	600	.93						0.35 ✓
H-519		☒	charge soap	(0)	600	.97						1.7 ✓
H-520		☒	dropped clean polys	(2)	600	.90						0.93 ✓
H-521		☒	regain loose polys	(0)	600							1.3 ✓
H-522		☒	pearl shape	(2)	600							0.60 ✓
H-523		☒	normal	(0)	360	.82						1.0 ✓
H-524		☒	Dropped pearl polys	(2)	600							0.43 ✓
H-525		☒	pearl charge	(0)	600	.97						0.90 ✓

LOG NO.	DATE REC'D.	ANALYZED BY	DATE	APPROVED BY	DATE
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NGC 04230

REDACTED

INDUSTRIAL HYGIENE LABORATORY REQUEST

COLLECTED BY			ANALYSIS REQUIRED		ANALYTICAL		PLANT LOCATION		DATE		
SAMPLE COLLECTOR			DETECT LIMIT		DESORP EFF.		REPORT DISTRIBUTION		RESULTS REPORTED		
OTHER									☐ ppmv ☐ ppbv ☐ mg/m ³ ☐ MgM ³		
LAB ID NO.	SAMPLE DESCRIPTION	TYPE	COMMENTS	TIME (MIN.)	RATE LMP	VOLUME (L)	ITEM NO.	FRONT	BACK	TOTAL	RESULTS
H-526	Pearl relief operator	☐	7-18	(2) 600	.90	1					1.0 ✓
H-527	Cheng & re. soap	☐	7-18	(2) 600	.93						0.68 ✓
H-528	Dropped & cleaned pearl polys	☐	7-18	(2) 600	.82						1.0 ✓
H-529	Tool delumper apart	☐	7-19	(2) 600	.93						3.7 ✓
H-530	Tool delumper apart	☐	7-19	(2) 600	.82						2.1 ✓
H-531	Charged 178 loose	☐	7-19	(2) 600	.91						0.37 ✓
H-532	Chipped 4 polys	☐	7-19	(2) 360	.97						21.0 ✓
H-533	Pearl charge in lights	☐	7-21	(2) 600	.90	1					1.4 ✓

LOG NO. 8 DATE REC'D. ANALYZED BY DATE APPROVED BY DATE

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NGC 04231

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INDUSTRIAL HYGIENE LABORATORY REQUEST

COLLECTED BY			ANALYSIS REQUIRED		DETECT LIMIT	ANALYTICAL DESORP EFF.	PLANT LOCATION		DATE		REPORT DISTRIBUTION		RESULTS REPORTED	
SAMPLE COLLECTOR			OTHER										☒ ppmv ☐ ppbv ☐ mg/M ³ ☐ Mg/M ³	
LAB ID NO.	SAMPLE DESCRIPTION	TYPE	BZ AREA BULK	COMMENTS	TIME (MIN.)	RATE LMP	VOLUME (L)	MG	µg	ITEM NO.	FRONT	BACK	TOTAL	RESULTS
				1 VCL										
				2										
				3										
				4										
				5										
H-534		☐		in lights	360									0.66 ✓
		☐		7-21 (2)	600	.93	1							
H-535		☐		cleaned strainer w.w.s.										8.5 ✓
		☐		worked on w.w.s. A.P. cell.										
		☐		7-21 (2)	600	.82								
		☐		drop clean soap poly.										
		☐		clean 2 B.T.'s										3.4 ✓
H-536		☐		7-21 in lights (2)	600	.97								
		☐		round duties										0.49 ✓
H-537		☐		7-24 (2)	600	.82								
		☐		change soap poly										0.17 ✓
H-538		☐		7-24 (2)	600	.93								
		☐		dropped poly & cleaned										1.6 ✓
H-539		☐		7-24 (2)	600	.97								
		☐		7-26 worked in R's all day	600	.93								0.62 ✓
H-540		☐		(2)										
		☐		7-26 (2)	600	.89	1							0.05 ✓

LOG NO.

DATE REC'D.

ANALYZED BY

DATE

APPROVED BY

DATE

NGC 04232

REDACTED

INDUSTRIAL HYGIENE LABORATORY REQUEST

[illegible]

NGC 04233

REDACTED

INDUSTRIAL HYGIENE LABORATORY REQUEST

[illegible]

NGC 04234