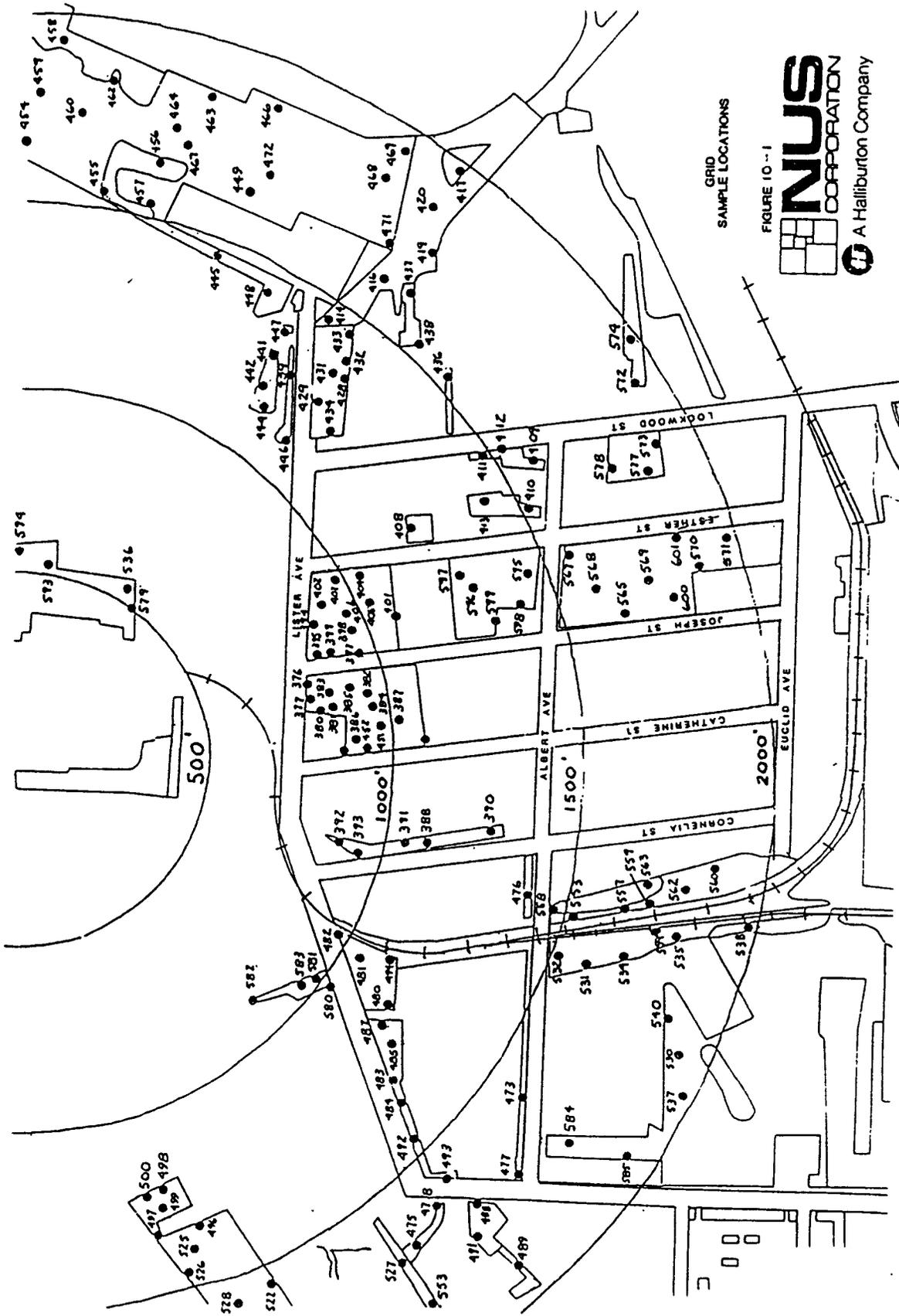


SELECTED GRID SAMPLING

80 LISTER AVENUE

NEWARK, NEW JERSEY

9/26/83



GRID
SAMPLE LOCATIONS



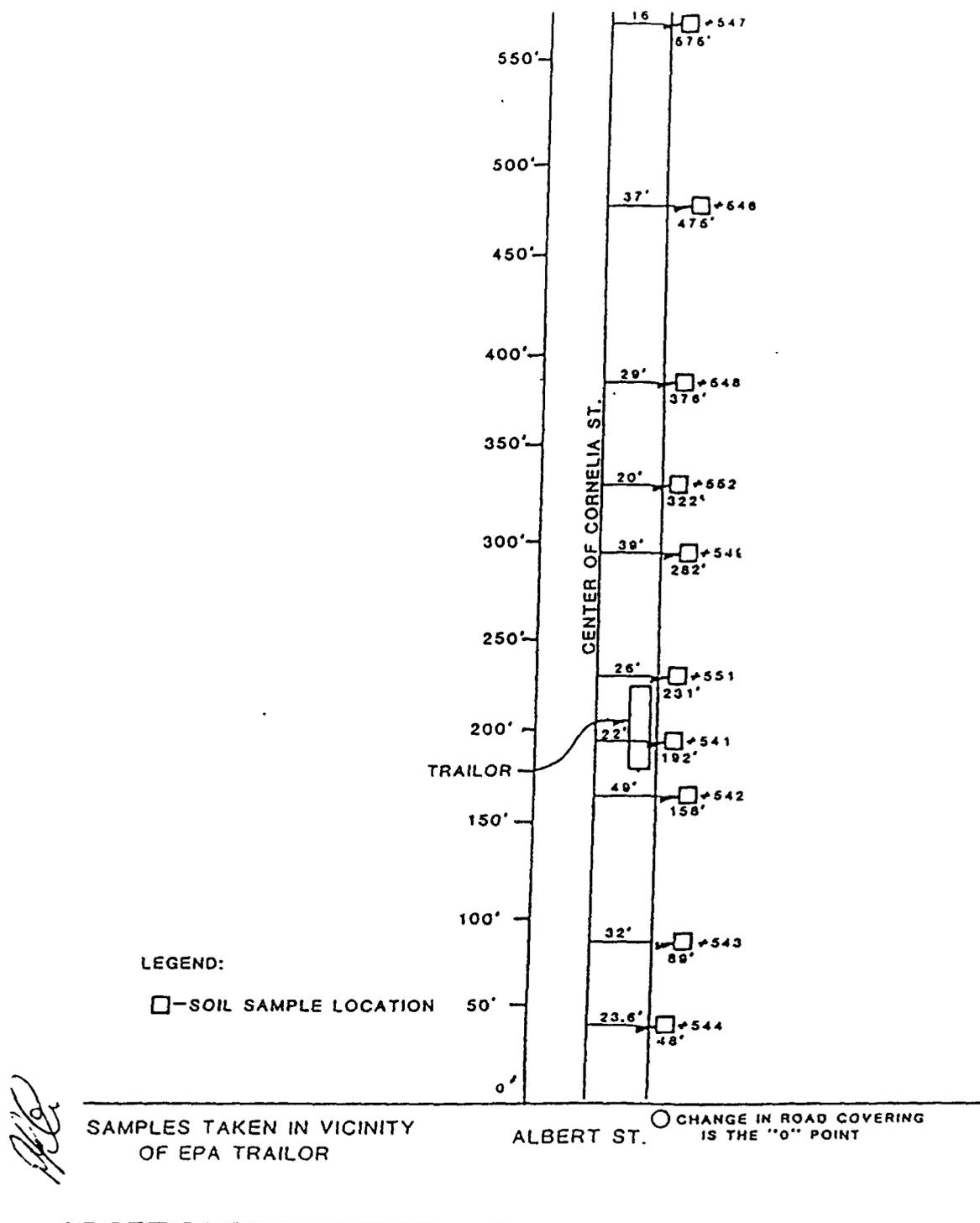


FIGURE 10-2



TABLE 1
SAMPLES WITH CONCENTRATIONS 1 PPB OR GREATER
SELECTED GRID
7/11/83 - 8/9/83

SAMPLE NUMBER	SAMPLE LOCATION	TCDD CONCENTRATION (ppb)	
		Initial	Repeat
564	Dust from Air Conditioner at Duralac, Lister Ave.	NG	1.3
498	Palmer Industries, Lister Ave.	2.8	
499	Palmer Industries, Lister Ave.	4.4	
500	Palmer Industries, Lister Ave.	5.0	
536	Sergeant Pulp and Chemical, Lister Ave.	1.3	
579	Sergeant Pulp and Chemical, Lister Ave.	1.2	
581	Sherwin-Williams, Lister Ave.	1.3 1.3 duplicate	
574	Messinger Trucking, Lockwood St.	1.1	
573	Brady Iron and Metal, between Lockwood and Esther Streets	NG	1.4
577	Brady Iron and Metal, between Lockwood and Esther Sts.	4.9	
578	Brady Iron and Metal, between Lockwood and Esther Sts.	1.7	
600	22 Joseph St.	1.01	

NOTES:

- (a) 159 samples were collected.
- (b) 17 samples are being analyzed.
- (c) 69 samples had no detection of TCDD.
- (d) 2 samples did not pass EPA Monitoring Management Branch QA/QC requirements.
- (e) 59 samples were detected below 1.00 ppb TCDD.
- (f) NG = Did not pass EPA Monitoring Management Branch QA/QC requirements.

TABLE 2
ALL SAMPLES INCLUDING QA/QC
SELECTED GRID
7/11/83 - 8/9/83

SAMPLE NUMBER	SAMPLE LOCATION	TCDD CONCENTRATION (ppb)	
		Initial	Repeat
376	Vacant lot, corner of Lister Ave. and Joseph St.	ND	
377	Vacant lot, corner of Lister Ave. and Joseph St.	ND	
378N	Known Blank (Matrix Spike)	1.12	1.0 0.85
379	QA Reference Material D (Region VII)	3.0	
380	Vacant lot, corner of Lister Ave. and Joseph St.	ND	
381	Vacant lot, corner of Lister Ave. and Joseph St.	ND	
382	Vacant lot, corner of Lister Ave. and Joseph St.	ND	
383	Vacant lot, corner of Lister Ave. and Joseph St.	ND	
384	Vacant lot, corner of Lister Ave. and Joseph St.	ND ND duplicate	
385	Vacant lot, corner of Lister Ave. and Joseph St.	0.33	

ND = Not Detected

TABLE 2 (cont'd)
ALL SAMPLES INCLUDING QA/QC
SELECTED GRID
7/11/83 - 8/9/83

SAMPLE NUMBER	SAMPLE LOCATION	TCDD CONCENTRATION (ppb)	
		Initial	Repeat
386	Vacant lot, corner of Lister Ave. and Joseph St.	ND	
387	Vacant lot, corner of Lister Ave. and Joseph St.	0.06	
388	East side of Cornelia Street	0.88	
389	Unknown Blank	ND	
390	East side of Cornelia Street	0.27	
391	East side of Cornelia Street	0.75	
392	East side of Cornelia Street	0.39	
393	East side of Cornelia Street	0.61	
394	B-line Trucking, Esther St.	ND	
395	B-line Trucking, Esther St.	NG	ND
396	QA Reference Material A (Native)	6.3	
397	B-line Trucking, Esther St.	ND	

ND = Not Detected.

NG = Did not pass EPA Monitoring Management Branch QA/QC requirements.

TABLE 2 (cont'd)
ALL SAMPLES INCLUDING QA/QC
SELECTED GRID
7/11/83 - 8/9/83

SAMPLE NUMBER	SAMPLE LOCATION	TCDD CONCENTRATION (ppb)	
		Initial	Repeat
386	Vacant lot, corner of Lister Ave. and Joseph St.	ND	
387	Vacant lot, corner of Lister Ave. and Joseph St.	0.06	
388	East side of Cornelia Street	0.88	
389	Unknown Blank	ND	
390	East side of Cornelia Street	0.27	
391	East side of Cornelia Street	0.75	
392	East side of Cornelia Street	0.39	
393	East side of Cornelia Street	0.61	
394	B-line Trucking, Esther St.	ND	
395	B-line Trucking, Esther St.	NG	ND
396	QA Reference Material A (Native)	6.3	
397	B-line Trucking, Esther St.	ND	

ND = Not Detected.

NG = Did not pass EPA Monitoring Management Branch QA/QC requirements.

TABLE 2 (cont'd)
ALL SAMPLES INCLUDING QA/QC
SELECTED GRID
7/11/83 - 8/9/83

SAMPLE NUMBER	SAMPLE LOCATION	TCDD CONCENTRATION (ppb)	
		Initial	Repeat
398	B-line Trucking, Esther St.	ND	
399	B-line Trucking, Esther St.	NG	ND
400	QA Reference Material A (Native)	6.0	
401	B-line Trucking, Esther St.	BA	
402	B-line Trucking, Esther St.	BA	
403	Unknown Blank	BA	
404	B-line Trucking, Esther St.	BA	
405	B-line Trucking, Esther St.	BA	
406	B-line Trucking, Esther St.	BA	
407	B-line Trucking, Esther St.	BA	
408	Lubriplate-Fisk Bros. Refinery, Lockwood Street	BA	
409	Lubriplate-Fisk Bros. Refinery, Lockwood Street	BA	

ND = Not Detected.

NG = Did not pass EPA Monitoring Management Branch QA/QC requirements.

BA = Being Analyzed.

TABLE 2 (cont'd)
ALL SAMPLES INCLUDING QA/QC
SELECTED GRID
7/11/83 - 8/9/83

SAMPLE NUMBER	SAMPLE LOCATION	TCDD CONCENTRATION (ppb)	
		Initial	Repeat
410	Lubriplate-Fisk Bros. Refinery, Lockwood Street	BA	
411	Lubriplate-Fisk Bros. Refinery, Lockwood Street	BA	
412	Lubriplate-Fisk Bros. Refinery, Lockwood Street	0.09	
413	Lubriplate-Fisk Bros. Refinery, Lockwood Street	BA	
414	Area of R.R. spur trending S.E. from east end of Lister Avenue	BA	
415	QA Reference Material D (Regin VII)	BA	
416	Area of R.R. spur trending S.E. from east end of Lister Avenue	BA	
417	Areas of R.R. spur trending S.E. from east end of Lister Avenue	BA	
418	QA Reference Material A (Native)	BA	
419	Area of R.R. spur trending S.E. from east end of Lister Avenue	BA	

BA = Being Analyzed

TABLE 2 (cont'd)
ALL SAMPLES INCLUDING QA/QC
SELECTED GRID
7/11/83 - 8/9/83

SAMPLE NUMBER	SAMPLE LOCATION	TCDD CONCENTRATION (ppb)	
		Initial	Repeat
420	Area of R.R. spur trending S.E. from east end of Lister Avenue	ND	
421N	Known Blank (Matrix Spike)	BA	
422	QA Reference Material A (Native)	BA	
428	Atlas Refinery East end of Lister Avenue	BA	
429	Atlas Refinery East end of Lister Avenue	BA	
430	Unknown Blank	ND	
431	Atlas Refinery East end of Lister Avenue	0.06	
432	Atlas Refinery East end of Lister Avenue	ND	
433	Atlas Refinery East end of Lister Avenue	0.16	
434	Atlas Refinery East end of Lister Avenue	ND	

ND = Not Detected
BA = Being Analyzed

TABLE 2 (cont'd)
ALL SAMPLES INCLUDING QA/QC
SELECTED GRID
7/11/83 - 8/9/83

SAMPLE NUMBER	SAMPLE LOCATION	TCDD CONCENTRATION (ppb)	
		Initial	Repeat
435	QA Reference Material D (Region VII)	3.1	
436	Atlas Refinery East end of Lister Avenue	0.44	
437	Atlas Refinery East end of Lister Avenue	0.46	
438	Atlas Refinery East end of Lister Avenue	ND	
439	Benjamin-Moore East end of Lister Avenue	0.40 0.52 duplicate	
440	QA Reference Material A (Native)	5.4	
441	Benjamin-Moore East end of Lister Avenue	ND	
442	Benjamin-Moore East end of Lister Avenue	0.27	
443N	Known Blank (Matrix Spike)	1.04	
444	Benjamin-Moore, East end of Lister Avenue	ND	
445	Benjamin-Moore, East end of Lister Avenue	0.20	

ND = Not Detected

TABLE 2 (cont'd)
ALL SAMPLES INCLUDING QA/QC
SELECTED GRID
7/11/83 - 8/9/83

SAMPLE NUMBER	SAMPLE LOCATION	TCDD CONCENTRATION (ppb)	
		Initial	Repeat
446	Benjamin-Moore, East end of Lister Avenue	0.28	
447	Benjamin-Moore, East end of Lister Avenue	0.78	
448	Benjamin-Moore, East end of Lister Avenue	ND	
449	Benjamin-Moore, East end of Lister Avenue	ND	
450	QA Reference Material A (Native)	5.1	
451	Crate Supplier, Catherine St.	0.14	
452	Crate Supplier, Catherine St.	0.14	
453N	Known Blank (Matrix Spike)	0.98	
454	Benjamin-Moore, East end of Lister Avenue	ND	
455	Benjamin-Moore, East end of Lister Avenue	0.09	
456	Benjamin-Moore, East end of Lister Avenue	NG	0.47

ND = Not Detected

NG = Did not pass EPA Monitoring Management Branch QA/QC requirements.

TABLE 2 (cont'd)
ALL SAMPLES INCLUDING QA/QC
SELECTED GRID
7/11/83 - 8/9/83

SAMPLE NUMBER	SAMPLE LOCATION	TCDD CONCENTRATION (ppb)	
		Initial	Repeat
457	Benjamin-Moore, East end of Lister Avenue	ND	ND duplicate
458	Fairmont Chemical, Blanchard St.	0.66	
459	Fairmont Chemical, Blanchard St.	ND	
460	Fairmont Chemical, Blanchard St.	0.08	
461	QA Reference Material A (Native)	6.6	
462	Fairmont Chemical, Blanchard St.	0.17	
463	Fairmont Chemical, Blanchard St.	0.50	
464	Fairmont Chemical, Blanchard St.	ND	
465	Unknown Blank	ND	
466	Fairmont Chemical, Blanchard St.	0.04	
467	Fairmont Chemical, Blanchard St.	ND	
468	Fairmont Chemical, Blanchard St.	0.26	
469	Fairmont Chemical, Blanchard St.	0.14	

ND = Not Detected

TABLE 2 (cont'd)
ALL SAMPLES INCLUDING QA/QC
SELECTED GRID
7/11/83 - 8/9/83

SAMPLE NUMBER	SAMPLE LOCATION	TCDD CONCENTRATION (ppb)	
		Initial	Repeat
470	QA Reference Material D (Region VII)	3.5	
471	Fairmont Chemical, Blanchard St.	0.54	
472	Fairmont Chemical, Blanchard St.	ND	
473	North side of Albert Avenue	0.08	
474	QA Reference Material A (Native)	5.9	
475	Pilar Industries, corner of Lister Avenue and Chapel St.	ND	
476	Cellomer, corner of Albert and Cornelia Sts.	0.11	
477	Corner of Albert Avenue and Chapel Sts.	0.11	
478	Pilar Industries, corner of Lister Avenue and Chapel St.	ND	ND duplicate
479	QA Reference Material A (Native)	5.3	
480	Stanley Tool Works, Chapel St.	0.31	
481	Stanley Tool Works, Chapel St.	0.8	

ND = Not Detected

TABLE 2 (cont'd)
ALL SAMPLES INCLUDING QA/QC
SELECTED GRID
7/11/83 - 8/9/83

SAMPLE NUMBER	SAMPLE LOCATION	TCDD CONCENTRATION (ppb)	
		Initial	Repeat
482	Stanley Tool Works, Chapel St.	ND	
483	Stanley Tool Works, Chapel St.	ND	
484	Stanley Tool Works, Chapel St.	ND	
485	Stanley Tool Works, Chapel St.	ND	
486	Unknown Blank	ND	
487	Stanley Tool Works, Chapel St.	ND	
488	Stanley Tool Works, Chapel St.	ND	
489	Stanley Tool Works, Chapel St.	NG	ND
490N	Known Blank (Matrix Spike)	1.03	
491	Stanley Tool Works, Chapel St.	ND	
492	Stanley Tool Works, Chapel St.	ND	
493	Stanley Tool Works, Chapel St.	ND	
494	Stanley Tool Works, Chapel St.	ND	
495	QA Reference Material A (Native)	5.8	

ND = Not Detected

NG = Did not pass EPA Monitoring Management Branch QA/QC requirements.

TABLE 2 (cont'd)
ALL SAMPLES INCLUDING QA/QC
SELECTED GRID
7/11/83 - 8/9/83

SAMPLE NUMBER	SAMPLE LOCATION	TCDD CONCENTRATION (ppb)	
		Initial	Repeat
496	Palmer Industries, Lister Avenue	0.24	
497	Palmer Industries, Lister Avenue	0.45	
498	Palmer Industries, Lister Avenue	2.8	
499	Palmer Industries, Lister Avenue	4.4	
500	Palmer Industries, Lister Avenue	5.0	
522	Palmer Industries, Lister Avenue	ND	
525	Palmer Industries, Lister Avenue	ND	
526	Palmer Industries, Lister Avenue	0.13	
527	Stanley Tool Works, Chapel St.	0.25	
528	Palmer Industries, Lister Avenue	ND	
529	QA Reference Material A (Native)	6.4	
530	Intercity Steel, corner of Chapel and Albert Sts.	ND	
531	Intercity Steel, corner of Chapel and Albert Sts.	0.41	

ND = Not Detected

TABLE 2 (cont'd)
ALL SAMPLES INCLUDING QA/QC
SELECTED GRID
7/11/83 - 8/9/83

SAMPLE NUMBER	SAMPLE LOCATION	TCDD CONCENTRATION (ppb)	
		Initial	Repeat
532	Intercity Steel, corner of Chapel and Albert Sts.	0.16	
533N	Known Blank (Matrix Spike)	0.89	
534	Intercity Steel, corner of Chapel and Albert Sts.	0.17	
535	Intercity Steel, corner of Chapel and Albert Sts.	ND	ND duplicate
536	Sergeant Pulp and Chemical, Lister Avenue	1.3	
537	Intercity Steel, Corner of Chapel and Albert Sts.	ND	
538	Intercity Steel, Corner of Chapel and Albert Sts.	0.05	
539	Unknown Blank	ND	
540	Intercity Steel, Corner of Chapel and Albert Sts.	0.26	
541	Trailer Vicinity Resampling, Cornelia St.	ND	

ND = Not Detected

NG = Did not pass EPA Monitoring Management Branch QA/QC requirements.

BA = Being Analyzed

TABLE 2 (cont'd)
ALL SAMPLES INCLUDING QA/QC
SELECTED GRID
7/11/83 - 8/9/83

SAMPLE NUMBER	SAMPLE LOCATION	TCDD CONCENTRATION (ppb)	
		Initial	Repeat
542	Trailer Vicinity Resampling, Cornelia St.	ND	
543	Trailer Vicinity Resampling, Cornelia St.	0.42	
544	Trailer Vicinity Resampling, Cornelia St.	0.20	
545	Unknown Blank	ND	
546	Trailer Vicinity Resampling, Cornelia St.	ND	
547	Trailer Vicinity Resampling, Cornelia St.	ND	
548	Trailer Vicinity Resampling, Cornelia St.	0.89	
549	Trailer Vicinity Resampling, Cornelia St.	ND	
550	QA Reference Material A (Native)	5.6	
551	Trailer Vicinity Resampling, Cornelia St.	0.65	
552	Trailer Vicinity Resampling, Cornelia St.	ND	
553	Stancey Tool Works	0.12	
554	Adjacent to RR Tracks, West of Cornelia St.	0.43	
555	Adjacent to RR Tracks, West of Cornelia St.	0.09	

ND = Not Detected

TABLE 2 (cont'd)
ALL SAMPLES INCLUDING QA/QC
SELECTED GRID
7/11/83 - 8/9/83

SAMPLE NUMBER	SAMPLE LOCATION	TCDD CONCENTRATION (ppb)	
		Initial	Repeat
556	QA Reference Material A (Native)	5.1	
557	Adjacent to RR Tracks, West of Cornelia St.	ND	
558	Adjacent to RR Tracks, West of Cornelia St.	0.10	
559	Adjacent to RR Tracks, West of Cornelia St.	ND	
560	Adjacent to RR Tracks, West of Cornelia St.	ND	
561N	Known Blank (Matrix Spike)	0.83	
562	Adjacent to RR Tracks West of Cornelia St.	ND	
563	Adjacent to RR Tracks West of Cornelia St.	ND	
564	Dust from Air Conditioner at Duralac, Lister Avenue	NG	1.3
565	Vacant Lot between Joseph and Esther Sts., South of Albert Avenue	ND	
566	QA Reference Material A (Native)	10	
567	Vacant Lot between Joseph and Esther Sts., South of Albert Avenue	ND	

ND = Not Detected

NG = Did not pass EPA Monitoring Management Branch QA/QC requirements.

TABLE 2 (cont'd)
ALL SAMPLES INCLUDING QA/QC
SELECTED GRID
7/11/83 - 8/9/83

SAMPLE NUMBER	SAMPLE LOCATION	TCDD CONCENTRATION (ppb)	
		Initial	Repeat
568	Vacant Lot between Joseph and Esther Sts., South of Albert Avenue	ND	ND duplicate
569	#33 Esther Street	0.13	
570	Glicken Brothers, Esther Street	0.99	
571	#13 Esther Street	NG	NG
572	Messinger Trucking, Lockwood Street	0.46	
573	Brady Iron and Metal, between Lockwood and Esther Streets	NG	1.4
574	Messinger Trucking, Lockwood Street	1.1	
575	QA Reference Material A (Native)	NG	6.5 5.8 duplicate
576N	Known Blank (Matrix Spike)	1.1	1.05
577	Brady Iron and Metal, Between Lockwood and Esther Streets	4.9	
578	Brady Iron and Metal, Between Lockwood and Esther Streets	1.7	

ND = Not Detected

NG = Did not pass EPA Monitoring Management Branch QA/QC requirements.

BA = Being Analyzed

TABLE 2 (cont'd)
 ALL SAMPLES INCLUDING QA/QC
 SELECTED GRID
 7/11/83 - 8/9/83

Revision 2
 9/23/83

SAMPLE NUMBER	SAMPLE LOCATION	TCDD CONCENTRATION (ppb)	
		Initial	Repeat
579	Sergeant Pulp and Chemical, Lister Ave.	1.2	
580	Sherwin-Williams, Lister Avenue	ND	
581	Sherwin-Williams, Lister Avenue	1.3 1.3 duplicate	
582	Sherwin-Williams, Lister Avenue	0.75	
583	Sherwin-Williams, Lister Avenue	NG	0.71
584	Intercity Steel, Chapel St.	0.71	
585	Intercity Steel, Chapel St.	ND	
589	Unknown Blank	ND	
590	QA Reference Material A (Native)	NG	5.0
593	Sergeant Pulp and Chemical, Lister Ave.	0.49 0.49 duplicate	
594	Sergeant Pulp and Chemical, Lister Ave.	ND	
595	102 Albert Avenue	ND	
596	55 Esther Street	ND	
597	55 Esther Street	ND	

ND = Not Detected

BA = Being Analyzed

NG = Did not pass EPA Monitoring Management Branch QA/QC requirements.

TABLE 2 (cont'd)
ALL SAMPLES INCLUDING QA/QC
SELECTED GRID
7/11/83 - 8/9/83

SAMPLE NUMBER	SAMPLE LOCATION	TCDD CONCENTRATION (ppb)	
		Initial	Repeat
598	100 Albert Avenue	ND	
599	60 Joseph Street	ND	
600	22 Joseph Street	1.1	
601	33 Esther Street	ND	

ND = Not Detected