APPENDIX G
NUS/FIT ANALYTICAL RESULTS

The following Appendix presents the analytical tables discussed in Chapter 5. Twenty-five tables are included as follows:

Table 1:	NUS/FIT Analytical Screening Results of NUS/FIT Initial Groundwater Sampling Round, August, 1984.
Table 2:	NUS/FIT Analytical Screening Results; Recently Installed Wells
Table 3 & 3a:	CLP Volatile Organic Analytical Results, NUS/FIT April, 1985 Sampling Round
Table 4 & 4a:	CLP Volatile Organic Analytical Results, NUS/FIT May, 1985 Sampling Round
Table 5 & 5a	CLP Volatile Organic Analytical Results, NUS/FIT June, 1985 Sampling Round
Table 6:	Mean Concentrations of Selected Volatile Organic Compounds from the NUS/FIT Final Sampling Rounds (April, May, and June, 1985)
Table 7:	CLP Extractable Organic Analytical Results, NUS/FIT April, 1985 Sampling Round
Table 8:	CLP Extractable Organic Analytical Results, NUS/FIT May, 1985 Sampling Round
Table 9:	CLP Extractable Organic Analytical Results, NUS/FIT June, 1985 Sampling Round
Table 10:	Groundwater CLP Inorganic Analytical Results, NUS/FIT April, 1985 Sampling Round.
Table 11:	Groundwater CLP Inorganic Analytical Results, NUS/FIT May, 1985 Sampling Round.
Table 12:	Groundwater CLP Inorganic Analytical Results, NUS/FIT June, 1985 Sampling Round.
Table 13:	The Distribution of Elements in Groundwater from the Bedrock and Overburden Aquifers.
Table 14:	The Ocurrences of Inorganic Elements in NUS/FIT Groundwater Sampling Rounds.
Table 15:	Element Concentration in Groundwater.

Table 16: Element Concentration in Soils. Table 17: CLP Inorganic Analytical Results for Federal and State Drinking Water Quality Standards, NUS/FIT April, 1985 Sampling Round. Table 18: CLP Inorganic Analytical Results for Federal and State Drinking Water Standards, NUS/FIT June, 1985 sampling round. Table 19: CLP Inorganic Analytical Results for Federal and State Drinking Water Quality Standards, NUS/FIT April and June, 1985 Sampling Rounds. Table 20: Inorganic Analytical Results for Federal and State Drinking Water Quality Standards, NUS/FIT April and June, 1985 Sampling Rounds. Table 21: Microbiological Analytical Results for Federal and State Drinking Water Quality Standards, NUS/FIT April and June, 1985 Sampling Rounds. Table 22: CLP Organic Analytical Results for Federal and State Drinking Water Quality Standards, NUS/FIT April and June, 1985 Sampling Rounds. Table 23: NUS/FIT Analytical Results of Surface Water and Sediment Samples from NUS/FIT Initial Sampling Round, August, 1984. Table 24: Surface Water CLP Volatile Organic Analytical Results, NUS/FIT April, May, and June, 1985 Sampling Rounds. Table 25: Surface Water CLP Inorganic Analytical Results, NUS/FIT April, 1985 Sampling Round.

TABLE I
NUS/FIT ANALYTICAL SCREENING RESULTS OF
NUS/FIT INITIAL GROUNDWATER SAMPLING ROUND
AUGUST, 1984

					100000					
SAMPLE NUMBER SAMPLE LOCATION	77578 S-11	77568 S-8	77569 S-8	11211 S-21	11210 S-22	77579 GW-3S	77580 GW-3S	76270 GW-3D	77581 GW-4S	77582 GW-4D
Tentative Identification trichloroethene trans-1,2-dichloroethene tetrachloroethene benzene toluene ethylbenzene m-xylene	* *	* (*) () (# + # + + + + + +	* * * ! ! ! ! * * * * ! ! ! !	* ' ' ' ' ' ' ' ' '	* * * * 1 1 1 1	* * * ! ! ! ;	* ' * ' ' ' ' ' '	* ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' '	*
Ppb										

TABLE I NUS/FIT ANALYTICAL SCREENING RESULTS OF NUS/FIT INITIAL GROUNDWATER SAMPLING ROUND AUGUST, 1984 PAGE TWO

SAMPLE LOCATION BSW-1 Tentative Identification trichloroethene trichloroethene toluene toluene ethylbenzene m-xylene o-xylene o-xylene toluene m-xylene o-xylene toluene m-xylene toluene m-xylene toluene m-xylene toluene m-xylene toluene thylbenzene m-xylene toluene tol	% * * * * * * * * * * * * * * * * * * *	77503 BW-1	76274 BSW-2	76275 BW-3 * * * * *	76276 BW-3	77501 BW-5 ***	76277 S-46 ***

**** ***** * not detected

> 600-1000 >1000

TABLE I
NUS/FIT ANALYTICAL SCREENING RESULTS OF NUS/FIT
INITIAL GROUNDWATER SAMPLING ROUND
AUGUST, 1984
PAGE THREE

SAMPLE NUMBER SAMPLE LOCATION	ER TION	77566 S-5	77565 S-6	77519 S-60	77567 OW-8	77515 OW-7	77517 OW-7	77522 OW-20	77521 OW-20A	77516 OW-19	77520 OW-19A
Tentative Identification	fication										
trichloroethene			*	•	*	*	*	*	*	*	*
trans-1,2-dichloroethene	roethene	ı	1	ı	1	r	1	ı	1	1	ı
tetrachloroethen	Je	*	*	ı	1	*	•	1	*	,	•
penzene			•	•	*	,	,	•	1	•	,
toluene		1	,	,	*	•	,	•	,	•	,
ethylbenzene		ı		ı	•	1		,	,	,	1
m-xylene		•	•	,	,	1	•	,	•	,	,
o-xylene		1		•	,	•	1	ı	1	1	,
qdd											
* 0.01>											
** 001-01											
	_										
	* -										
*** 000-1000	* * * * * * * * * * * * * * * * * * * *										

01 -	 not detected 										

NUS/FIT ANALYTICAL SCREENING RESULTS OF NUS/FIT INITIAL GROUNDWATER SAMPLING ROUND AUGUST, 1984
PAGE FOUR TABLE 1

SAMPLE NUMBER SAMPLE LOCATION	ion	77585* BSW-1	77586* BW-1	77587* BSW-2	77588* BW-2	77589* BW-3	77590* BW-4	77591* BW-5	77592* BSWW-6	77593* BSW-6	77594* BSW-7	77595* BW-7
Tentative Identification	ication											
trichloroethene trans-1,2-dichloroethene tetrachloroethene benzene toluene ethylbenzene m-xylene o-xylene	oethene e	* * ! * ; ; ; ; ; ; *	* * * * * * * * * * * * * * * * * * * *	*	*	*	* 1 1 1 1	* *	* * * * * * * * * * * * * * * * * * *	* * * * * * * * * * * * * *	* * * ! ! ! ! .	* 1 1 1 1 1 1
ppb	* * *											

- not detected *****

^{*} Results of split samples collected by Woodward-Clyde.

NUS/FIT ANALYTICAL SCREENING RESULTS OF NUS/FIT INITIAL GROUND WATER SAMPLING ROUND AUGUST, 1984
PAGE FIVE TABLE 1

SAMPLE NUMBER SAMPLE LOCATION	77504 Blank	77518 Blank	77523 Blank	77611 Blank	76269 Blank	77583 Blank	11212 Blank	
Tentative Identification								
trichloroethene	•		,	1	1		,	
trans-1,2-dichloroethene	•	ı	1	,	1	1	1	
tetrachloroethene	•	•	•	•	,	•	,	
benzene	•	ı	1	1	. 1	*	ı	
toluene	•	•	1	•	,	*	,	
ethylbenzene	1	•	1	,	,		,	
m-xylene	1		ı	1		*	•	
o-xylene	•	ı	•	1	ı	ı	,	
qdd								
× 10.0								
10-100								
100-300 ***								
300-600 ****								
***** 0001-009								
***** 0001<								
1 - 4 - 1 - 4 - 1 - 4 - 1								

- not detected ***** **** ***

TABLE 2 NUS/FIT ANALYTICAL SCREENING RESULTS RECENTLY INSTALLED WELLS

Sample Location		\$635	S63D	S64S	S64M	S64D	S 658	S65M	S65D	S635 S63D S64S S64M S64D S65S S65M S65D S66D S67S S67M S67D S68S	S 678	S67M	S67D	S89S	W89S
Tanatival, Idaatifiad															
Compounds	Limits														
Trichloroethene	I ppb	*	* * *	* *	*	* * *	*	*	*	*	*	*	*	*	* *
Benzene	Ippb	ı	ı	ı	1	,	•	,	,	,	•	•	,	ı	1
	3 ppo	1 3	. :	r		,		ŧ	,	,			,	•	
I etrachioroethene	3ppb	* *	*	*	* *	* *	*	*	*	*	•	1	ı	* *	* *
Criticopenzene	odd c			•	1	ı	,	ı	ı		,		1	•	
E inylbenzene	add c		ı		,	1		•	•	ı	,	ı	ı	1	•
m-Xylene	2 ppb		•	•		1		,		,	•		,	ı	1
o-Xylene	10 ppb	,	•	ı			1	•	,			,	•	•	•
- Not Detected															
* - <10 ppb															
** - 10-70 ppp															
,											-				
•															

All samples were screened in-house by NUS chemists utilizing a Photovac 10A10 GC for volatile organic headspace analysis. It should be stressed that the results garnered from this screening technique are qualitative and indicate the presence of contaminant compounds. They should not be used as quantitative results. Therefore, all concentrations are given in ranges. In addition, compound identification is tentative in that compounds were identified by comparison of retention time of sample compounds to the retention times of various standards.

***** - 1000-5000 ppb

NUS/FIT ANALYTICAL SCREENING RESULTS RECENTLY INSTALLED WELLS PAGE TWO

Sample Location		269D	S70S	S70M	S71M	S71D	S72S	S72M	S72D	S73S	S73D	S70S S70M S71D S72S S72M S72D S73S S73D S74M S74D	S74D
Tenatively Identified	Detection												
Compounds	Limits												
Trichloroethene	1 ppb	ı		t	•	*	*	*	*	*	1	,	1
Benzene	3 ppb		1	1	1		•		,	*		•	
Toluene	3 ppb		1	ı	*	,		•	,	*	•	1	,
Tetrachloroethene	5 ppb	•	1	ı	*	***	*	*	*			•	1
Chlorobenzene	5 ppb	,	,	ı	•	•		1			1	,	,
Ethylbenzene	5 ppb	•	•	ı	•	,	ı	1	,		,	,	
m-Xylene	2 ppb	•	•	,	•	,	1					1	,
o-Xylene	10 ppb	1	ı	r	t		ı	,	ı	,	•	,	

- <10 ppb - 10-70 ppb - 70-200 ppb - 200-350 ppb - 350-1000 ppb

- Not Detected

44*** - 1000-5000 ppb

* * * * * * * * *

IABLE 2 NUS/FTT ANALYTICAL SCREENING RESULTS RECENTLY INSTALLED WELLS PAGE THREE

Sample Location		S75S	S75M	S75S S75M S75D	S76S	S76M		S77SS	\$775	S77M	S77D	S76D S77SS S77S S77M S77D S78S	S78D
Tenatively Identified	Detection												
Compounds	Limits												
Trichloroethene	1 ppb	*	*	1	•	1	ı	,	* *	*	* * *	****	,
Benzene	3 ppb	*	* * *	**	•	•	,	•		•	1	•	,
Toluene	3 ppb	***	*	•	•	•	•	,	,	•	1	,	,
Tetrachloroethene	5 ppb	1	ı		ı	•	1	•	*	*	*	****	,
Chlorobenzene	5 ppb	•	1	ı	,	•	1	ı	•	•	,	>10,000	
Ethylbenzene	5 ppb	*	*	1	•	1	1	1	•	1	ı	****	•
m-Xylene	5 ppb	***	*	1	•	1	1	1	1	,	•	,	•
o-Xylene	10 ppp	***	*		•	•	ı	,	ı	ı		•	,
- Not Detected													
* - <10 ppb													
qdd 02-01 - **													
**** - 200-350 ppb													
dqd 0001-056 - 358****													
add 000c-0001 - *****													

TABLE 2 NUS/FIT ANAL YTICAL SCREENING RESULTS RECENTLY INSTALLED WELLS PAGE FOUR

Sample Location		W678	S79M S79D S80S	S808	S80M	S818	S81M	S81D	582	583	S#8S	S84M	S84D	S85 8	S80M S81S 581M S81D S82 S83 S84S S84M S84D S85S S85M S86S S86M	S86S	S86M
Tenatively Identified Compounds	Detection Limits																
Trichloroethene	qdd j	ı	ŧ	,	,	*	*	*	*	* * * *	*	*	*	* *	* *	*	*
Benzene	3 ppb	•	,	•	,	•	1			•	•	•	•	•	.,		,
Toluene	3 ppp	,	1	•	ı	•	•	,	•	,	1	•	,	,	ı	,	1
Tetrachloroethene	5 ppb	•		•	•	****	* *	*	*	***	*	*	*	* * *	****	*	*
Chlorobenzene	5 ppb				•	1	•		1	•	,	•	•	•	1		•
Ethylbenzene	5 ppb	•	•	,	•	ı	,	,	,	•			1	ı	ı	•	•
m-Xylene	5 ppb	•		,	,	ı	•	•	,		1	,		1	ı	,	1
o-Xylene	10 ppb	•	ı	,	•	ı	ı	,	,	,	ı	,	,	,	ı	1	ı

** - <10 ppb ** - 10-70 ppb *** - 70-200 ppb **** - 200-350 ppb **** - 350-1000 ppb ***** - 1000-5000 ppb

Not Detected

TABLE 3 CLF VOLATILE DRGANIC ANALYTICAL RESULTS MIS/FIT APRIL 1985 SANPLING ROUND (ppb)

PURITIE CONTRINE OLIGIDET HANGE OLIGIDET HAN		_	12406 AB369	12392 AB 353	12393	12408 AB371	12399 AB363	12387 NB346	12481 ABS13	12487 ABS17	12430 AB382	12431 AB383	12493 AB503	12494 MBS04	12376 AB 337	12380 N 8341	12381 AB 342	12377 AB338	12378 AB339	12367 AB329
15 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		Z																		
10 3.1 26 150.1 29 6 44.1 91 65.1 65.1 66.1 50	* # # # #	2222		2																
10 3.1 26 150 J 28 24 44.1 91 65.1 85.1 86.1 86.1 86.1 86.1 86.1 86.1 86.1 86	CALORIDE	<u>د</u> د	•	•	•	•	•				•	•								
5 10 51 26 150 4 28 24 44 3 91 65 1 66 1 65 1 66 1 65 1 66 1 65 1 66 1 65 1 66 1 65 1 66 1 65 1	AF186 Sethene																			
3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	DETINAKE Niche denet hene	.		91	7		*	9			م و	.		ă	. 37	8		8	5	
19		י מו נ			•		3	3			3	\$		=	3	3		3	3	
14 24 25 10 31 31 31 31 31 31 31 31 31 31 31 31 31	1,2-DICHLORBETHANE 2-Butandre	v s						•						•		•		•	•	•
3.3 130 190 J 3 J 220 220 72 J 140 86 J 130 J 130 J 130 J 170 155 160 160 160 160 160 160 16	1,1,1-TRICK ORDETHANE	.					±	ı			7	X		2		3	7 2	3.2	3.5	•
3 3 3 220 220 72 3 140 88 3 130 3 130 3 170 3 170 3 170 3 1 17	LANDAN TETANLALANTE VINYL ACETATE	n <u>e</u>																		
130 190 J 3 J 220 220 72 J 140 88 J 130 J 130 J 130 J 170 S S S S S S S S S S S S S S S S S S S	ORONE THANE Trache orone thane	.			 															
130 190 J 3 J 220 220 72 J 140 88 J 130 J 130 J 130 J 170 J 180 J 170 J 180 J 170 J 180 J 170 J 170 J 180 J 170 J	1,2-BICH BROWNE	· 10			,															
10 10 10 10 10 10 10 10 10 10 10 10 10 1	<u>traas</u> -1,3-Dich oropeopene Trich oroether	~ ~					130	190 1			220	220	72.3	9	3	7 929		3	92	
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10 10 10 10 10 10 10 10 10 10 10 10 10 1	CHLOROPROPENE	n s																		
10 ME 5 140 34 27 J 3 J 12 12 86 J 270 30 J 48 J 47 J 44 J 42 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	III VANIL CIREN	ر د د																		
ME 5 10 140 34 27 J 3 J 12 12 16 86 J 270 30 J 48 J 47 J 44 J 42 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	2-HE LANDNE	9																		
MK SPACE" - Indicates the compound was not detected. Substitution is approximate due to quality control review (data validation). Walue is rejected due to blank contamination identified in quality control, review. The detection limit for blank	-PENTANDME	2 4			5		;			;	9	9		ź	;					
MK SPACE*	KINCK	0 K			2		3			~	2	2		1 /2	3					
E SPACE - 55	*	מיי																		
K SPACE 5		573 1																		
MK SPACE" -		n w																		
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•	*BLAMK SPACE*		dicates	the c	pepound	25 as as a second	t deter	ited.	100		idata	yal idal	8							
	•		lue is	reject		to blan	k cont	an matri	Du séen	tified	ilem a	ty con	trol, re	vien.	The det	ection	linit f	er 18 an	-11	

TABLE 3 CLP VOLATILE ONGANIC ANALYTICAL RESULTS MES/FIT APRIL 1965 SANPLING NOUND (ppb) PAGE TWO

23 33 5 8 1 13 5 8 1 10 173 56 1 35 3 8 1 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	SAMPLE LOCATION SAMPLE NAMBER TRAFFIC REPORT NUMBER	565H 12346 AB328	5655 12365 18527	5660 12407 88370	S&75 12384 NB345	\$678 12385 AB346	5670 12386 14347	S68S 12477 AB533	S68H 12478 ABS42	5698 12364 AB326	\$705 12370 AB 332	570H 1237i AB333	S718 12432 ABS05	5718 12433 ABB34	8725 12394 A8359	S72H 12394 12394	S720 12395 AB340	5736 12474 ABS11	5738 12473 AB 510
23 33	Š																		
2 J 3 J 3 J 4 J 1 J 3 S J 3 J 3 J 4 J 1 J 3 S J 3 J 3 J 4 J 3 J 3 J 4 J 1 J 1 J 50 J 1 J 1 J 1 J 50 J 2 J 1 J 1 J 1 J 50 J 3 J 1 J 1 J 1 J 50 J 3 J 1 J 1 J 1 J 50 J 3 J 1 J 1 J 1 J 50 J 3 J 1 J 1 J 1 J 50 J 3 J 1 J 1 J 1 J 1 J 50 J 3 J 1 J 1 J 1 J 1 J 50 J 4 J 1 J 1 J 1 J 1 J 1 J 50 J 4 J 1 J 1 J 1 J 1 J 1 J 1 J 50 J 4 J 1 J 1 J 1 J 1 J 1 J 1 J 1 J 1 J 1 J	222																		
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15.3 23.3 1700 3 15.3 9 91 6 10 17.3 56.3 23.3 6 1000 3 4.3 74.3 9 7 10 17.3 56.3 23.3 6 1700 3 4.3 174.3 9 7 10 17.3 56.3 23.3 6 1700 3 6	e e							•								•			
13 1 44 3 10 17 3 56 3 33 3 F 100 0 1 4 3 74 3 9 7 10 10 10 10 10 10 10 10 10 10 10 10 10	٠ و	•	•		+ ;	+ ;	•			•	•	•	ä						
34 1 44 3 10 17 3 56 3 33 3 6 1600 3 4 3 74 3 9 7 7 170 3 6 1 170 3 6 1 170 3 6 1 170 3 6 1 170 3 6 1 170 3 6 1 170 3 6 1 170 3 6 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1					<u> </u>	; }							:						
34 J 44 J 10 17 J 56 J 33 J e 1700 J 4 J 74 J 9 7 7 1700 J 6 J 10 J 10 J 10 J 10 J 10 J 10 J 1																2			
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	n va													2980 3					
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TABLE 3 CLP VOLATILE BRGANIC ANALYTICAL RESULTS NUS/FIT APRIL 1985 SAMPLING ROUND (ppb) PAGE THREE

SAMPLE LOCATION SAMPLE NAMBER TRAFFIC REPORT MANBER	574H 12475 AB536	5748 12476 48512	\$755 1238 \$434	575H 12389 88350	5738 : 12390 :	57755 S 12402 I	S77S S 12401 1 AB364 A	577N S 12400 1 AB385 A	5776 S 12427 1 AB381 A	5785 S 12416 I	5780 5 12404 1 AB367 A	5788 S 12405 1 88368 A	5790 S 12360 1 AB322 A	\$805 S 12359 1 AB321 A	500H S 12357 1 18319 A	SBOH 512358 1	SB15 12412 AB388	5815 12411 AB395
VOLATILE COMPOUNDS CRDL																		
Cha George THANS																		
DECOMMETIMAE																		
VINYL CHLORIDE 10																		
CHLORDETHANE 10																		
METHYLEME CHLORIDE 5	•					+	•	•	•	•	•	•					•	•
ACETONE 10								•			•							•
CARBON DISULFIDE 5																		
1,1-DICHLORDETHENE 5							_	7 19										
1,1-DICHLORDETHANE 5																		
trans-1,2-DICHLONDETHENE 5						21	vo.		2								•	•
CHLOROFORM	•							•		•							•	•
1,2-DICHLORGETHANE 5																		
2-DUTAMINE 10			•	•	•													
1,1,1-TRICHLORDETHAME 5								7 3									=	•
CARDON TETRACHLORINE 5																		
VINYL ACETATE 10																		
DROMODICH, ORONE THANE																		
1,1,2,2-TETRACIA DRUE THAME 5																		
1,2-9ICM.ORGPROPAME 5																		
trans-1,3-DICH ORGANISMENE S	•					7.3	*	170 1	210 17	160000 1							•	. 081
IN THE STATE	•								:									
1.1.2-THICH GRAFTWAKE 5																		
ENZEME 5			2200 J	260 J	76 3													
cis-1,3-DICHLOROPROPENE																		
2-CHLORDETHYL VINYL ETHER 10																		
PRONOFOUN 5																		
2-HETAMONE 10																		
4-HETHYL-2-PENTANDME 10																		•
TETRACALORDETHENE 5	•						Ξ	350	æ	28000 7							200 7 1000	7 906
TOLLIENE			330	<u> </u>	-													
CHLORDENZENE 5																		
ETHYLDENZEME 5			38	64	r :1					•								
STYRENE			2		:				•									
TOTAL-IYLENE 5			3	25	- -				•	3								
DILUTION FACTOR	-	-	2	_	_			_		8	_	-		_	_	_	2	-
		•	:															

Indicates the compound was not detected.
 Guantitation is approximate due to quality control review (data validation).
 Value is rejected due to blank contamination identified in quality control review. The detection limit for blank
 Contract required detection limit (multiply by dilution factor to obtain sample detection limit).

PLANK SPACE"

J

GRDL

MOTES

TABLE 3 CLP VOLATILE DRGANIC AMALYTICAL RESULTS NUS/FIT APRIL 1985 SAMPLING ROUND (196) PAGE FOUR

g 33350000000000000000000000000000000000	g 35550000000000000000000000000000000000			1				į					-			1			-			
g 3555 v 5 m v m v m v 5 m v 5 m v v m v v v v	gg 3555000000000000000000000000000000000	ER NUMBER		3818 12369 A8331	20 SE	1237	12479 12479 8538	12480 AB539	12472 12472 18509		12437 12437 AB 507	12397 12397 18361	12396 12396 A6362	2865 12410 AB 387	12404 12404 1886	18 26 12502 18502		145-24 12375 14334	12373 12373 ABSSS	_	60-15 12456 AB 528	
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TABLE 3 CLP VOLATILE QUGANIC ANALYTICAL RESULTS NUS/FIT APRIL 1965 SAMPLING ROLAND (ppb) PAGE FIVE

SAMPLE LOCATION SAMPLE HUNDER TRAFFIC NEPORT NUMBER	_ =	60-10 12458 AB530	12457 12457 88529	64-35 12453 AB 531	12454 12454 MBS32	GM-30B 12455 AB535	12441 12441 18519	68-40 12443 AB520	CM-75 12439 AB525	64-79 12440 AB526	68-9 6 12438 ABS27	64-115 64-119 1247 12450 ABS21 ABS22		M-125 (12448 ABS23	GH-12B 12449 ABS24	12417 12417 18574	12426 12426 AB393	12425 12425 18380	ISU-2 12424 AB379
VOLATILE COMPOUNDS	8 85		-																
CHLORONETHANE DRONONETHANE VINYL CHLORIDE CHLOROSTWANE	9999								15										7 1 1
NETHYLENE CHARRIDE ACETONE CARRIED ATSIA 5105		•	•	•	•	•		•	•					•	•	•	• •	• •	• •
1,1-910M, BROCTHEN 1,1-910M, BROCTHEN 1,1-910M, BROCTHEN 1,2-910M, BROCTHEN 1,2-810M, BROCTHAME		•	•	1400 J 1800 J 7500 J	800 J 7	200 -	72	790	3			u	220	£	300		•	 	28 920
2-butande 1,1,1-trica droethane Cardon tetracaloride Vinyl acetate			34.3													7 2			3 9
BRONDO LONG GRODE THANE 1,1,2,2-TETRACK GROE THANE 1,2-BICHL BROPROPAKE Example 1,3-BICHL GROPROPEKE TRICKL GROE THENE BI RROWGOUL GRODE THANE 1,1,2-TRICKL GROETHANE BI RREDKE	w w		•	•		•	<u>\$</u>	88	310			83	2	420	9	ñ	7 04S	<u>e</u>	9.
CLISTA J-BICHLONGMONDERNE 2-CHLONGETHYL VINYL ETHER BROWGFORM 2-HETHYL-2-PENTANDNE TETHACHLONGETHENE TRAGENZENE CHLONGENZENE ETHYLOSHZENE		•	370 3		-	1100			•			7	12		2	=		7 10	- -
STYRENE Total-Inlene Dilution factor		8	2	8	8	800	_	9			_	_	-	'n	w	_	9	-	7.17
MOTES: "BLANK SPACE" 3 6 CROL		Indicate Quantita Value is Contract	ladicates the compound was not detected. Quantitation is approximate due to quality control review (data validation). Value is rejected due to blank contamination identified in quality control review. The detection limit for blank Contract required detection limit (multiply by dilution factor to obtain sample detection limit).	approxi	mas no imate d to blan ction l	t detecture to que to q	red. mality connection integral	ontrol identi by dilu	review fied in ition fa	(data v qualit ctor to	alidati y contr obtair	on). ol rev	ies. T	tion Li	ction 1: matt).	init fa	ne la r		

TABLE 3 CLP VOLATILE DREANIC ANALYTICAL RESULTS NUS/FIT APRIL 1985 SAMPLING ROUND (ppb) PAGE SIX

SAMPLE LOCATION SAMPLE NUMBER	2413			12419	-								_	0M-20A SW-01 12205 12361			_	
TRAFFIC REPORT MINIER	M 372	A53	A	AB375	AB376	MB 392	AB377	M 390 A	AB492 A	AB493 A	₹ 8 1	A6399	AB397 AL	398 AB323	23 18324	\$25 W		
VOLATILE COMPOUNDS CROL	æ																	
CALDRONE THANE 10 VINYL CALDRIDE 10	200																	
NETWIENE CHLORIDE :	•	•	•	1300	J 1200 J	-	•	•										
			•	398	9		•							•	•	•		
1,1-DICHERENE	.																	
3																		
CHARGON CONTRACTOR	₹		•	2800	3000	•	•	• •										
RETHAKE	7					·		. 1										
Z-DUTANTAR 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	•		•	9	7007	•			7					•	• -	- 7	v	
CANDON TETTACHLORIBE 5	•		•	ţ	2	-			•					•	•	•	•	
¥																		
1,1,2,2-TETRICKERSETIME 1																		
EPEK.																		
	130	Ξ	3500	3500 J 100000 110000 440000J	10000	400007	33	23 J	2		-		7 12					
DIDMONICAL CROME THANK																		
2-CHLORIETION, VINN. ETHER 10																		
2-KIAMBE 10																		
PENTANDNE	_																	
LONGETHENE	7	7	•															
					m	3		•								_		
CHICAGORENZENE																		
STYNENE	-																	
				200	4100	14000												
DILUTION FACTOR		-	2	Ş	8	1000	_	-	_	-	_	_	_	_	-	-		
MOTES: "BLANK SPACE"		tes the	COSPOR	Indicates the compound was not detected	t deter	3			1		-							

BLAME SPACE - **-** 5

Indicates the compound was not detected. Quantitation is approximate due to quality control review (data validation). Value is rejected due to blank contamination identified in quality control reyiew. The detection limit for blank Contract required detection limit (multiply by dilution factor to obtain sample detection limit).

TABLE 3
CIP WE ATTLE DREAMIC ANALYTICAL RESENTS

		5	ATILE	CLP VOLATILE ORGANIC ANALYTICAL RESULTS	AMALYT	3	SUN 1S	1	
				NUSSFIT APRIL 1985 SAMPLING RUUND (ppb) PAGE SEVEN	1		â	#	SEA SEA
SAMPLE LOCATION		3	50	3	90- 8 5				
SAMPLE NUMBER		12483	12484	12485	12486				
TRAFFIC REPORT NUMBER		4 655	1	AES 16	Ž				
VOLATILE CONPOUNDS	200								
CHLORONETHANE	2								
DRONDNE THANE	2								
VINYL CHLORIDE	2								
CHI. ORDETHANE	2								
HETHYLENE CHLORIDE	~ :		•		•				
ACE TORE	= ·								
CARBON BISINETINE	o.								
	~ ·								
1,1-PICALORDE IMME	•								
trans-1,2-bich.080671616	· ·								
	n ,								
1,2-91CHLMEN	<u>،</u>								
Z-BUTANDIE	2			,	;				
1,1,1-TRICHLORDETHANE	י כט	-6	-	ao	2				
CARBON TETRACALORINE	•								
VINYL ACETATE	2								
DRONGO I CAL ORBYE THAKE	ĸ								
1,1,2,2-TETBACHLORGETHAME	S								
1,2-DICALORDPROPANE	S.								
LEARS-1, 3-DICHEMOPROPENE	5								
TO ICH, ONDE THEME	5				•				
DI DRONDCHI, ORONE THANE	S								
1, 1, 2-TRICH ORDETHANE	~								
BENZENE	.								
Cis-1,3-DICHLOROPROPENE	<u>ب</u>								
Z-LALIMAE INTL. VIIIT. E INER	2 4								
2-16 TANNE	<u>ء</u>								
A TOTAL DESCRIPTION OF STREET	2 :								
4-IR: WIL-Z-FEMIANUR. TETRACIA ARRETACIAE	<u>.</u>								
TALIENE									
CHEGOGOENZENE	· •								
ETHYLDENZENE	•								
STYRERE	S								
TOTAL-IMENE	•								

DILUTION FACTOR

BLAMK SPACE" ~ **-** ड MOTES:

Indicates the compound was not detected.
 Buantitation is approximate due to quality control review (data validation).
 Value is rejected due to blank contamination identified in quality control review. The detection limit for blank.
 Contract required detection limit (multiply by dilution factor to obtain sample detection limit).

IABLE 3a CLP VOLATILE DREAMIC ANALYTICAL RESULTS MUS/FIT APRIL 1985 SAMPLING RIGHMD (pph)

CASE WANDER TRAFFIC REPORT MANDER			4156		•		4179 N537	4179 ABS06	₹ ~	4193 4193	4193 4193 4836	4193 AB373
AMALYSIS WOLATILE COMPOUNDS	8	CRDL DL FACTOR	9 25 25	\$	5	\$	5	\$	S	절	5	ŧ
:	•											
Chiorogethane	2 5	n v		٠								
or consertation	2 5	-										
Chlorombhana	2	_										
Methylpse Chloride	-		490	320	300	210	51	•	-	2	=	13
Acatoma	, 9		•			i	:					
Carbon Disulfide	· (*)	-										
1.1-Bichloroethese	**									1.9 J		
1.1-Dichlor oethane										3.0 1		
trans-1,2,-Bichloroethene										. 8.		
Chlerafora	-						2.3			7.47		
1,2-Dichloroethane	50	S										
2-But anone	2	2		7 -		-						
1,1,1-Trichloroethane		S								3.5		
Carbon Tetrachloride	S	.								2.0 3		
Vinyl Acetate												
Promodich or osethane										2.2		
1,1,2,2-Tetrachloroethane												
1,2-Bichloropropase										:		
trans-1,3-Bichlorapropane	-	.								1.1		
Ir ichi broethene	, r									2.7 3		
Hipromechioromethane										i		
Present										1.5 J		
ris-1.3-Birbloroaroapae												
2-Chloroethyl vinyl ether	-	_										
Promofera	-									1.3.		
2-Hex angae	=	2										
4-Hethyl-2-Pestanone												
Tetrachlorethene										2.5		
Toluene	S	50										
Chi or abenz ene	s											
Ethylbenzene	•									0.83		
Styrese	(7)									.5.		
Total lylenes	5	50								<u>-</u>		
Dilution Factor			-	-		٠	-		-	-	-	-
٤	1			1	Pario de Co	Indicates the common use not detected	detecte	_				
MOIES:		Blank Space -		titation wind that	is approx	inate ube identif	oelecte on the A	ass Speci criteri	tral data a but the	indicat	indicates the compound has not detected. Quantitation is approximate when the Mass Spectral data indicates the presence of a commound that meets the identification criteria but the result is less than the spec	indicates the compound has not detected. Quantitation is approximate when the Mass Spectral data indicates the presence of a commound that meets the identification criteria but the result is less than the speci-
			+	detectio	n limit	fied detection limit and greater than zero.	the chair	sero.	•		fied detection limit and greater than zero.	•
												,

TABLE 4 CLP VOLATILE DREMIC MALYTICAL RESILTS MIS/FIT NAY 1965 SAPLING ROUND (ppb)

SAMPLE LOCATION SAMPLE NUMBER TRAFFIC REPORT MANDER		S-5 12745 ABB22	S-6 12766 8821	13.53 13.63	S-21 12906 AB916	5-22 12805 AB 915	5-44 12802 NB913	5635 12775 ABB 12	\$630 12774 12 813	\$645 12734 AB76 7	12735 12735	564# 12737 AB 710	5448 12736 AB709	5658 12748 A8725	545H 12749 88726	5454 12751 48728	S458 12756 12756	S668 12781 A8804	5675 12779 Abb 08	
VOLATILE COMPOUNDS	CROK																			
CH. BRONE THANE	2 9																			
VINYL CALORINE	2 :	ę																		
CALDROETHANE NETHYLENE CHLORIDE	<u> </u>	. •	•	•	•		•	•	•										• •	
ACETONE	≘ '	•	•			•		•	•									•	•	
CARDON BISHLY DR	n 10																		-	
1, 1-BICHLORDETHME		•						;	;	•		8	-		9	:	ř	•		
trans-1,2-DICHLORDETHENE	so s		~ ~		<u>3</u>	<u>•</u>		= •	3	- -	- *	¥	?		=	=	3	-		
1,2-DICHLORDETHAME	3 1/2							•	•											
2-putamble	2	•	•	-														•	• 9	
1,1,1-TRICHLONDETHANE	5				~		· ·		~										2	
CARBON LEHRACALINE	n <u>e</u>																			
BROWD ICH, CROKETHANE	. ro																			
1,1,2,2-TETRACHLORDETHANE																				
1,2-DICHLOROPROPANE																				
TRICK CROETHENE			3.5		210	*	2	3	130	ş	110 J	130	2	7	8	%	2	12	2	
DI DRONDCHE BRONE THANE	S.																			
1,1,2-TRICHLOREETHANE	r v																			
C19-1,3-DICHLORGPROPENE	, 50																			
2-CHLOROETHYL VINYL ETHER																				
BRONDFORM	ro e																			
Z-ICHARICE Z-ICTAM -7-PCHTANDAE	=																			
TETRACH DROETHENE	·~		3	*	=			59	₹	7	? ∓	ž	7		4	_	2	•		
TOLUETE	6																			
CHLOROBENZENE Etam neuzene	n n																			
STYBENCE .																				
TOTAL - PREME	· •				3.5															
DILUTION FACTOR		-	-	-	-	-		-		-	-	2	-	-	-	-	-		-	
		Ladica	4	detrates the seasons and selection	200	tab det	1													
MOTES: "MEME SPACE"	, , L	Puent:	tation	15 4	ox i sate		quality.	y contr	ol revi	Analysis the tompound has not describe. Quantitation is approximate due to quality control review (data validation).	bilev	tion).	:				j			
•	•	Value	is reje	cted de	e to bl	ant con	tenine!	100 100	atified protect	Value is rejected due to blank contamination identified in quality control review. The detection libit for	ity cod		viet.				ě			
202	•	Contra		Tent of	S deter			1 by 6	lution	blank contaminants is determined by the abount director to obtain sample detection limit.	S	lers un	ale det	rction	indt).					
CANE			<u> </u>	1				:												

TABLE 4 CLP VOLATILE ORGANIC ANALYTICAL RESULTS NUS/FIT NAY 1985 SAMPLING ROUND (ppb) PAGE THO

SAMPLE SAMPLE TRAFFIC RE	SAMPLE LOCATION SAMPLE MANBER TRAFFIC REPORT NUMBER	567N 1277B ABBOY	\$670 12780	12751 12751 18750	S688 12754 A8731	S68H 12755 A8732	\$705 12758 ABB29	570H 12759 ABG28	571N 12766 A8827	6710 12761 88826	5725 12773 ABB14	S72H 12772 ABB15	5728 12777 ABB10	5728 12774 ABB11	5735 12769 ABB18	\$738 12768 ABB19	574# 12770 ABB17	\$740 12771 ABB16	5755 12782 ABBO4
VOLATILE CONPOUNDS	POUMPS CRIM	zł.	•																
CALORDIETHAME DRAWMETHAME VINYL CALORITIE CALO																			
METWIENE CHADRIDE ACETONE	· -	••	• •				• •	• •	• •	• •	• •	• •	• •		•	• •	• •		• •
CARDON BISALFIBE 1,1-BICHLORDETHENE 1,1-BICHLORDETHWE trans-1,2-BICHLORDETHEI CHLORDEDH	TIRE STINANE S	7		53	37	23	•	•	911		⊸]				2 2 2	2 2 3			
1,2-DICHLORGETHME 2-DITANDE 1,1,1-TRICHLORGETHME CARDON TETRACHLORIDE VINYL ACETATE		• =	•	•	=	21			2 93	<u> </u>	•	•	•	•	•	•	•	•	\$
DIGNOSTICAL CONDESTRACE 1, 1, 2, 2-TETRACKLEGGETM 1, 2-BICKLEGGETM 1, 2-BICKLEGGETM TH TÜLL GOGETHENE BIGNOSCKLEGGETHANE 1, 1, 2-TRICKLEGGETHANE 1, 1, 2-TRICKLEGGETHANE	¥ #	3	33	æ	a	3			£ 61		'n	2	21	=	•	S			
MERIENE C15-1,3-DICHLOROPROFENE 2-CM, GROSTIATL VINYL, ETHER RADINSTOR 2-METAMORE 4-METAML-2-PERTANDME TETRACM, GROSETHENE	5			\$	3	20		•	996	2500	•	· .	•	•	•	•	•		6
THE PER CHARLES OF THE CHARLES OF TH			•	•	-	-	•	-	\$	\$	•			•		•	-	-	06 06 06 06 06 06 06 06 06 06 06 06 06 0
MOTES: "M.	TRAME SPACE* - 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		tes the tation is reju contami	Indicates the compound was not detected. Buantitation is approximate due to quality control review (data validation). Value is rejected due to blank contamination identified in quality control review. The detection limit for blank contaminats is determined by the amount detected in blank, detailed in Approxim B. Contract required detection limit (sultiply by dilution factor to obtain sample detection limit).	d uas a minate to bla detern ection	ot dete due to ak cont ined by limit (the age of	control on ident ount det	review i	(data n quali n blank actor to	ralidat ky comt , detai	ion). rol rev			rties .			-	2

TABLE 4 CLP VOLATILE GRGANIC ANALYTICAL RESULTS MIS/FIT MAY 1985 SANPLING ROUND 19pb) PASE THREE

		ŀ	į			F !														
SAMPLE LOCATION SAMPLE MUNDER TRAFFIC REPORT NUMBER	EDM STREET	575A 12784 ABB03	575M 12783 AB605	5758 12765 ABB02	\$765 12789 88896	576H 12787 ABB97	S76N S 12788 1	S760 S 12784 1 ABG99 A	\$7755 12797 148908	S775 5 12798 1 AB909 A	577N S 12799 1 AB910 A	S77N S 12000 1 AP911 A	5778 5 12804 1 NB900 1	5785 12801 14912	5780 12803 1	579H S 12794 1 AB905 A	\$790 12793 1404	5805 12796 18907	580N 12795 18 906	
VOLATELE COMPOUNDS	CRDI																			
CHLORONE THANE	91																			
DRONONETHANE Vinyl chloride	2 2																			
CHLORDETWAKE		•	•	•		•	•	•	•	•	•	•	-		•	•	•	•	•	
METRYLENE LALUMING ACETOME		•	•	•						•	•			•	•				•	
CARBON DISULFIDE																				
1,1-DICKLOROETHENE	67 67 68 68																			
trans-1,2-DICHLONDETHENE										-0	34	23								
CHL ORDFORM																				
1,2-010/Lipide i mare 2-bit ambré	· =	•	•	•																
1,1,1-TRICH DROFTHAME											=	13								
CARBON TETRACK BRIDE	3																	-		
VINTL ACEINIE Regendative geomethame																				
1,1,2,2-TETBACIALORDET	POETUANE 5																			
1,2-BICHLOROPHOPHIC																				
TRICK ORDETHERE					•				13	92	41	2	2	2						
DI DROMOCHE ORDNE TWANK	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2																			
i , i , 2-18 icac empe i empe Benzene	 I	911	91	170																
CIS-1,3-BICHLOROPROPENE																				
2-CHLOROETWAL VINYL ETHER Recomplicae	IN ETHEN 10 5																			
2-HE LANDINE	2																			
4-NETHYL-2-PENTANDNE	01 3000									ž	4	•	=	X						
TETTACK BROETKERE	 	1	7	9						3	₽	;	:	;						
INTEREST		2		:																
ETHYLDENZENE		3	3	3																
STYREME	ers (2		ş										7						
TOTAL-IYLENE		\$	2	₹															•	
BILUTION FACTOR		-	~		-	-		-	-	-		-	~	-		-	-		-	
NOTES: "BLAN	*BLANK SPACE*		ates th	Indicates the compound was not detected.	52.	not det	eted.	•		1435	chilev	(e)								
	- ·	- Value	1727. E	Manitization is approximate one to quantify control terries in quality control review. The detection limit for Value is rejected due to blank contamination identified in quality control review. The detection limit for	to bi	ank con		00 ide	ti ti e		ity con	7	VI EW.			linit	, b			
	200		Contain	blank contagnants is determined by the abount detecter in commission	s aeter		(medition)		Lution	factor	t		1	rt i e	init).					
	ž	į										•								

TABLE 4 CLP VOLATILE DRGAMIC AMALYTICAL RESULTS MUS/FIT MAY 1985 SAMPLING ROUND (4pb) PAGE FOUR

SAMPLE LOCATION SAMPLE MANDER TRAFFIC REPORT MANDER	CATION IMBER YT MIMBER	S815 12746 A8723	SB1N 12745 AB 713	5815 12744 68714	\$82 12730 AB 715	582 12731 AB716	583 12814 A8924	5845 12741 AB720	584N 12742 A8721	5840 12743 AB722	5855 12738 N8711	665H 12739 AB712	S866 12752 18729	5848 12757 46734	TH 24 12756 18733	18 20 12740 18719	TH 48 12747 68724	60-15 12727 A870 5	60-10 12729 AB705	
VOLATILE COUPOUNDS	UNIOS CROF.																			
CH ORDIETAME BEDRICHME CH ORDIETAME CH ORIETAME METWYLENE CH ORITE CARONELINE ACTON CARONELINE ACTON CARONELINE ACTON CARONELINE CARONELINE ACTON CARONELINE CARONELI	0 0 0 0 0 0	• •	•				• •					•				•				
1,1-91CM BRDETRINE 1,1-91CM BRDETRINE 1,1-91CM BRDETRINE CM BRDETRINE 1,2-91CM BRDETRINE 2-811AMBR			£ 71		21	*	9	9		=	62	13.2			• •	27	S.			
1,1,1-TRICH DRICE HANE CARBON TETRACALARIOE VINYL ACETATE BROWGELCH, ONDWETHANE 1,1,2,2-TETRACH GREETHANE 1,3-2,100 MARRIENANE 1,3-3,100 MARRIENANE 1,3-3,10		\$														=	•		27 J	
trans-1,3-1CHLMDPOPENE TRICHLONGETHENE BITANGETHENE 1,1,2-TRICHLONGETHANE EKIZDIE 2:2-1,3-BICHLONGPROPENE 2-CHLONGETHYL VIAYL ETHER	LINGFROPENE SS ETHANE SS OCTIVANE S OCTIVANE SS NOPARPENE SS	3			ts	8	470	2	2	2	43	36 36	7	n	7	130	3			
PHOTONO LUM 2-NETAMBRE 1-NETAMACH GROETHENE 10.LENE CAL GROOTENEENE 10.NETENEENE 10.144-TYLENE 10.144-TYLENE 10.144-TYLENE		6 70	ž	9-	n	*	ä	9	=	•	22 J	0,1	21	2	NA.	9	\$	•	7 00	
DILUTION FACTOR		ĸ	2	2		-	2.94	_	•••		2	2	-		-	-		-		
MOTES:	SPACE 1 SPACE	Indical Buantil Value ii Blank Contra	tation is rejection to the second sec	compount sperd due tred due irred det	Indicates the compound was not detected. Buantitation is approximate due to quality control review (data validation). Value is rejected due to blank contamination identified in quality control review. The detection limit for blank contaminants is determined by the amount detected in blank, detailed in Appendix B. Contract required detection limit (multiply by dilution factor to obtain sample detection limit).	ot dete due to hk cont ined by limit f	tted. quality animati the an	contro on idea ount de y by di	l revie tified tected	u (data in qual in blan factor	valida ity com k, deta to obta	tion). trol re illed in	1 - 4 - 4 - 4 - 4 - 4 - 4 - 4 - 4 - 4 -	The det ix D. ction 1	ection initi.	lieit f	<u>.</u>			

TABLE 4 CLP VOLATILE DOGANIC ANALYTICAL RESULTS NAS/FIT NAY 1965 SAMPLING MOUND (ppb) PAGE FIVE

9 m m																																	
54-06 12013 8923					•	•							~																				
SM-05 12812 A8922					•	•							S																				
SW-04 12811 AB921					•								~																				
SH-03 12810 AB 920					•				7	i										23									,				
58-03 12809 AB919					•				z											%								7	11				
58-02 12808 18918					•								3.5																				
12807 12807 128917					•	•							-																				
68-308 12726 AB 702			3						P 0/9											2								74 7					
64-10 12725 A8791			28						£ 076 £ 0011											2000 7 1800 3								- 0+					
64-35 12724 18396			\$						420											280								7 62					
60-198 12728 AB704					•		7		2	•			£ 5							- -								2000					
	2	2 9	: 2	2	n e	2 "		S	S	S	S	2	'n	'n	=	s	~	•	~	.	6	n v	3 47	9	· •	9	2	د	s,	'n	.	57	'n
SAMPLE LOCATION SAMPLE NUMBER TRAFFIC NEPORT NUMBER	VOLATILE COPPOINDS	CH. DRONE TWANE	VINYL CHLORIDE	CHLOROETHANE	METHYLEME CHLORIDE	CAPPON DISINFING	1,1-DICH, DROETHENE	1,1-DICHLORDETHAME	trans-1,2-bichlobbethene	CHLOROFORM	1,2-DICHLOREFINANE	2-BUTANDNE	1,1,1-TRICHLORDETHAME	CARBON TETRACKLORIDE	VINYL ACETATE	BRONDBICHLORBNETHANE	1,1,2,2-TETRACHLOBOETHAME	3	LCARS-1, 3-BICHLORBPROPENE	TRICKLONDE THEME	DE SHAMESON, CHARLE THANK	1,1,2-TRICHLERINE	cis-1,3-BICH DROPROPENE	2-CHLOBOETHY VIEW ETHER	PROMOF DRAF	2-HEJANDIE	4-NETHYL-2-PENTANGME	TETRACIA BRIETHENE	TOLIENE	CHLANDRIZENE	ETWILDENZENE	STYNEM	TOTAL-TMENE

 Indicates the compound was not detected.
 Buantitation is approximate due to quality control review (data validation).
 Value is rejected due to blank contamination identified in quality control review. The detection limit for blank contaminants is determined by the abount detected in blank, detailed in Appendix B.
 Contract required detection limit (multiply by dilution factor to obtain sample detection limit). *BLAMK SPACE* MOTES

BILUTION FACTOR

CRO

TABLE 4a CLP VOLATILE DRGANIC AMALYTICAL RESULTS MUS/FIT MAY 1985 SAMPLING ROUND (ppb)

SAMPLE LOCATION LABORATORY INENTIFICATION	_		₹ 5	BLANK	BLANK ABUATEC	BL ANK AQUATEC	BLANK AQUATEC	BL ANK AQUATEC	PL ANK COMPUCHEN	BLANK	PLANK COMPUCIEN	
CASE MUNDER TRAFFIC REPORT MUNDER AMALYSIS			¥ 5 4	4344 VOA VOA	4344 A8718 VOA	4395 ABB23 VOA	4395 ABB24 VOA		4433 48901 VOA	4433 AB902 VOA	4433 AB903 VDA	
VOLATILE COMPOUNDS	289	DL FACTOR										
Chl prosethane	9	ĸ,										
Brossethane	2 9	·										
Chloroethane	2 2	יט כ										
Nethylene Chloride	ۍ :	. 3		-	2 3	۰	7	'n	4.2 J	3.3 J	6.6	
Acetone	2	2		,		2 J			!	ı		
Carbon Disulfide	2	s										
1, 1-Dichloroethene	د د	د د										
1,1-Dichiornethane		n v										
Chlorofora		יא ני	7									
1,2-Dichloroethane	· vs	· K3	•									
2-But anone	2	2										
1,1,1-Trichloroethane	50	ξ.										
Carbon Tetrachloride	S :	so i										
Vinyl Acetate	2,	1 70										
Brosodichlorosethane		n 1										
1,1,2,2-letrachioroethane		n 1										
1, Z-BICBIOCOPIOPANE	n v	, u										
Creas-1, 3-pichiorapropage		יט פי										
Dibronachi arasethane		נאנ										
1,1,2-frichloroethane		· 10										
Denz ene	S	S										
cis-1,3-Bichloropropene	'n	S										
2-Chloroethyl vinyl ether	2	כט										
Prosofors	S	S										
2-Her anone	2 :	1 0										
4-Rethyl-2-Pestanone	۹,	<i>~</i> .	;									
Tetrachior ethene	n 4	. u	-									
	د	3 6										
	7 4	.										
Crudinaens ene	, r	, r										
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otal tylenes	n	n										
Dilution Factor			-	-	_	-	-	-	-		-	
MOTES.	"Alank Snare"		ndirati	the c	Indicates the compound was not detected.	us not d	let ect ed			٠,		
	-	,	uantit	ition is	approxie	ate shen	the Ra	ss Spectr	al data in	dicates the	Quantitation is approximate when the Mass Spectral data indicates the presence of a	
			unadea	that o	eets the	1 denti fi	cation	criteria	but the re:	sult is less	compound that meets the identification criteria but the result is less than the speci-	
	202		ned de	fection .	tied defection limit and greater than zero. Contract Kennited Detection finit (militaly	greater 1 on 1 on		ero. John dili	ition factor	, detection	tied defection timit and greater than zero. Contract Kemired Defection finit (military dilution factor, defection limit factor.	
			-	•	1	tha court t	:	,				

TABLE 5 CLP VOLATILE DRGANIC ANALYTICAL RESULTS NUS/FIT JUNE 1985 SAMPLING ROUNG (ppb)

Management 1 1 1 1 1 1 1 1 1	SAMPLE LUCATION SAMPLE MUNDER TRAFFIC REPORT MUNDER	⊸ €	5-4 13273 AC233	5-5 13254 6728	5-6 13246 18957	5-10 13257 AC231	13256 13256 AC230	13258 AC232	13238 13238 18949	13239 18850	13184 AC425	13186 AC440	13294 AC430	132% FC434	13207 AC 442	13233	13232	13226	13234	13236
110 110	VOLATILE COMPOUNDS	CRB																		
110 110	CHLIBRONE THAME	2																		
18 19 19 19 19 19 19 19	BEOMDINE THANK		≘ :																	
12.3 18.4 19.4 19.4 19.4 19.5	VINTE CALERIDE		2 :																	
12 15 15 16 17 18 19 19 19 19 19 19 19	LALUMUE TANKE METAMIENE CHARRIDE	2 50	₹ •		-		•		•	•	-	•	•	-		-	•	•	•	•
12 15 15 15 15 15 15 15	ACETONE	9					•		•	•		=		‡		•		•	•	•
12 12 12 13 13 14 15 15 15 15 15 15 15	CARBON DISULFIDE																			
Fig. 6	1,1-DICHLANDETHENE		<u>.</u>										•							~
1 1 1 1 1 1 1 1 1 1	1,1-BICHLORDE THANK		2						ř	ā	•	•	91	-	5	~	9	74	•	
10 10 10 10 10 10 10 10	<u> 17 des</u> - 1 , 4 - 0 i una possa i ma ma. Com des possa	3 4 7				7			5	2	•	•	2	•	•	-	:	:	•	
10 10 10 10 10 10 10 10	1.2-DICHEGROETHANE	'n				•			•											
10 10 10 10 10 10 10 10	2-BUTANDIE	2	•									:								
19 19 19 19 150 J 2 J 48 150 A B B B B B B B B B B B B B B B B B B	1,1,1-TRICALDROETWANE	S	-					-	~	-	•	•	•	•						=
17 83 150 J 2 J 48 150 s s s s 160 J 11 33 37 16 5 16 5 17 83 150 J 2 J 48 150 s s s s s 160 J 11 33 37 16 5 15 5 15 5 17 3300 J 70 J 56 J 170 J s s s s s s 40 J 4 10 J 11 5 5 17 3300 J 70 J 56 J 170 J s s s s s s s s s s s s s s s s s s	CARBON TETRACHLORIDE	'n	55																	
17 63 150 J 2 J 48 150 s s s s s 160 J 11 33 37 16 5 15 5 15 15 15 15 15 150 J 2 J 48 150 s s s s s 160 J 11 33 37 16 5 15 5 15 5 17 5 17 150 J 70 J 56 J 170 J s s s s 40 J 4 10 J 11 5 5 1 70 B J I I I I I I I I I I I I I I I I I I	VINYL ACETATE	2																		
17 83 150 J Z J 48 150	DESCRIPTION OF THE PROPERTY OF	n v																		
17 83 150 J 2 J 48 150 + + + + 100 J 11 33 37 16 18 15 19 15 10 17 3300 J 70 J 56 J 170 J + + + + + 40 J 11 33 37 16 10 18 17 3300 J 70 J 56 J 170 J + + + + + 40 J 1 1 1 5 10 17 3300 J 70 J 56 J 170 J + + + + + 40 J 1 1 1 5 11 20.8 I I I I I I I I I I I I I I I I I S 12 10 8 J 1 1 I I I I I I I I I I I I I I I I I	1,1,4,4,7 IE INDEMENDE INDEE	, v	13																	
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15 15 16 17 18 18 18 18 19 19 19 19 19 19 19 19 19 19 19 19 19		5	11		8		35	7.7	\$	32	*	-	•	•		=	×	33	2	\$
15 5 15 5 17 5 17 5300 J 70 J 56 J 170 J 6 6 6 6 10 J 11 5 17 5 17 5 17 5 1 20.8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	DE BRONDCHE, ONDNET WANE	S	9																	
10 5 17 5 18 19 5 17 5 18 19 5 17 5 19 19 5 19 5 19 6 7 19 19 19 19 19 19 19 19 19 19 19 19 19	1,1,2-TRICH DARETHARE	ر. در	5																	
10 5 17 1300 J 70 J 56 J 170 J e e e e 40 J 4 10 J 11 5 17 5 17 5 17 5 17 5 1 20.8 J I I I I I I I I I I I I I I I I I I	BENZENE *:: T-81/W NORDONECHE	m v																		
10 10 10 10 10 11 11 120.8 11 11 11 11 11 11 11 11 11 11 11 11 11	2-CALGADETHYL VINYL ETHER																			
10 5 17 3300 J 70 J 56 J 170 J 6 F F F F 40 J 4 10 J 11 5 16 5 17 5 17 5 1 20.8 l l l l l l l l l l l l l l l l l l l	BRONDFORM																			
10 5 17 3300 J 70 J 56 J 170 J 6 F F F F 40 J 4 10 J 11 5 16 5 17 5 17 5 1 20.8 l l l l l l l l l l l l l l l l l B 5 H 10 blank contrainable due to quality contrail review (data validation) Value is rejected due to blank contamination identified in quality control review. The detection limit for blank contaminate is determined by the amount detected in blank, detailed in Appendix B Value is rejected due to other contractual requirements identified in quality control review Contract required detection limit (aultiply by dilution factor to obtain sample detection limit.	2-IETAMBIE	2																		
S 17 3300 J 70 J 56 J 170 J 6 F F F 40 J 4 10 J 11 S 6 J 170 J F F F F 40 J 4 10 J 11 S 6 S 17 S 17 S 17 S 17 S 17 S 17 S	4-KETHT2-PENTANDNE	2							i							•		:	٠	
5 17 5 5 17 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	TETRACIA ORDETHEME	د د	Ξ.	,-,	300		2		ž	2	•	-	•	•		-		=	~	
S 1 20.8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	TOLIETE	u v	ء -																	
S 1 20.8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	CTUVE ACUTENC	, ₍	:																	
MX SPACE - Indicates the compound was not detected. J - Buantitation is approximate due to quality control review (data validation). Contaminants is determined by the amount detected in blank, detailed in Appendix B. - Value is rejected due to other control requirements identified in quality control contaminants is determined by the amount detected in blank, detailed in Appendix B. - Value is rejected due to other contractual requirements identified in quality control CRD Contract required detection limit (aultiply by dilution factor to obtain sample detect	ET VICINE	, r																		
MK SPACE" - Indicates the compound was not detected. 3 - Buantitation is approximate due to quality control review (data validation). 4 - Value is resected due to blank contemantion identified in quality control review. 5 - Contaminants is determined by the amount detected in blank, detailed in Appendix B. 6 - Value is rejected due to other contractual requirements identified in quality control 7 - Contaminants is detection limit (aultiply by dilution factor to obtain sample detection).	TOTAL -TYLENE																			
MK SPACE" - Indicates the compound was not detected. J - Buantitation is approximate due to qualify control review (data validation). Solume is resected due to blank contamination indentified in quality control review. Contaminants is determined by the amount detected in blank, detailed in Appendix B. Value is rejected due to other contractual requirements identified in quality control CRD Contract required detection limit (aultiply by dilution factor to obtain sample detect	DILUTION FACTOR		•	-	20.8	-	-	-		-	-	-	-	-	ĸ	-	-	-	-	-
 Indicates the compound was not detected. Buantitation is approximate due to quality control review (data validation). Value is rejected due to blank contamination idcentified in quality control review. contaminants is determined by the amount detected in blank, detailed in Appendix B. Value is rejected due to other contractual requirements identified in quality control Contract required detection limit (aultiply by dilution factor to obtain sample detection. 																				
 - Buantitation is approximate due to quality configure teview ideal valuations. - Value is rejected due to blank contamination identified in quality control review. contaminants is determined by the amount detected in blank, detailed in Appendix B. - Value is rejected due to other contractual requirements identified in quality control. - Contract required detection limit (multiply by dilution factor to obtain sample detection. 	HAMK SPACE.		ndicate	es the i	unadwa:	ST P	iot det	rted.	•	•	1									
Value is rejected out to blank containation intentiites in quinty touties rejected containants is determined by the abount detected in blank, detailed in Appendix B. Value is rejected due to other contractual requirements identified in quality control — Contract required detection limit (aultiply by dilution factor to obtain sample detect	-		uantit	tion :	s appro	E SE		1178	y contr	10 TEV	2 .	2 v2116				4		4	30k	
	•		alue 14	B reject	Tage of the second		# c		ion vec detecte		: 4 : 4	tailed	. Ass	dir D.				5 5	ĺ	
•	:	,	alue :	s rejec	ted due	to of	. C.	tractua		rements	identi	fied in	qualit	y contr	ol revi	į				
	CRD	<u>ت</u> ،	Datrac	t requi	red det	ection	Ĭ	(eult 1p	ly by d	lution	factor	\$ 8	310 S20	ple det	ection	linit.				

TABLE S CLP VOLATILE ORGANIC ANALYTICAL RESULTS MUS/FIT JUNE 1985 SAMPLING ROUND (ppb) PARE TWO

5705 570M 571M 571D 5725 572N 572D 5735 573D 6755 5756 5756 5756 5756 5756 5756 575				115 3 100 + + 7 13 3	180	13 • • • 12 🕊	5 5 5 2000 5700 5700 5 67 160	4 2450 4 4 4 440 440 3 5 11 4 270 340 1 24 32 330 146 3 5 11 4 650 4 650 5 5 1 5 1 6 1 6 1 6 1 6 1 6 1 6 1 6 1 6	
			* :		8	•	•-	4 290	1 91
			••	115.1	•			•	1 2
			-	3 3 3	* * 59 3	. 27 L 82		83 83 83 84 85	2 1
			••	•	<u>6</u>	ž			
TRAFFIC REPORT MUNDER	WALATTLE COMPOUNDS CROL	CH. OROWE TWANE 10 DOUGNET HAALE 10 VINT. CH. OR. DE. 10	CALLINGE 10 NETHYLENE CALORIDE 5 NETONE 10 NACTORE 10	1,1-01CH ORDETHENE 5 1,1-01CH ORDETHANE 5 1,1-01CH ORDETHANE 5 trans-1,2-01CH ORDETHENE 5	_ 	VINT. ACTATE 10 MONTH ACTATE 11,1,2,2-TETRACHLORETHINE 1,2-DICHLOROPETHINE 1,2-DICHLOROPETHINE 5 TALAS-1,3-DICHLOROPETHINE 5 TRICHLORETHINE 5 TRICHLORETHINE 5	INDERICE INTERIOR INT	TETRACIA DIGETIENE S TOLLENE S CHLANGELZENE S STIMULBERZENE S STYNERE S 10101-1716NE S	BILUTION CACTOR

Indicates the coopened was not detected.
 Buantitation is approximate due to quality control review (data validation).
 Value is rejected due to blank contanisation identified in quality control review. The detection limit for blank contaninants is determined by the amount detected in blank, detailed in Appendix B.
 Value is rejected due to other contractual requirements identified in quality control review.
 Contract required detection limit (aultiply by dilution factor to obtain sample detection limit).

BLANK SPACE

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TABLE 5 CLP VOLATILE ORGANIC ANALYTICAL RESULTS NUS/FIT JUNE 1985 SAMPLING ROUND (ppb) PAGE THREE

SAMPLE LOCATION SAMPLE MANDER TRAFFIC REPORT NAMER	5768 13191 AC442		5760 S 13192 1 AC433 A	57755 13205 140459	5775 13204 AC458	577H 13255 AC229	5778 13286 AC429	5785 13203 AC457	578B 13202 AC437	5815 13194 AC449	5818 13297 8C447	5818 13287 AC448	5918 13190 AC461	28.5	Set 13222 13222	5.83	13197 13197 15435	S948 13196 40437	5948 13182 AC443
VOLATILE CONFOLMOS	CRO																		
CIR DADNE THANE DADNONE THANE VINYL CHLORINE CHLORINE CHLORINE	2 2 2 2																		
NETWIENE CALORINE	* * • n <u>e</u>	•	• •	•	3		•		•		•	•		. •	•	•	•	•	•
CARBON DISULFINE			•		•		•		•					•	+	•	:	:	:
1, 1-DICHLORDETHANE trass-1, 2-DICHLORDETHENE			•			-	•							;	:	į			
CHE GROFORM	*			•	•		•			•	•	•	-	3	2	3	-		•
2-BUTANDRE																			
1,1,1-TRICHLORDETHANE CARDON TETRACHLORISE	* v.				•	•				3	•	-	7	~			•	•	•
VINYL ACETATE																			
1,1,2,2-TETRACH GROETHANE	א טו																		
OPENE			-	390	3	2	300 1 80000	7 0000		•			-	3	3	470		•	•
DI DROMOCH, DROMETHANE 1, 1, 2-TRICH, DROETHANE REATON	w w w												•	!	<u> </u>	:	,	ı	
ICHLOROPAOPENE Inyl Vinyl Ether 1	, n ë ,																		
2-HEIANDRE 2-HEIANDRE 2	n <u>e</u> e																		
	- w w		-	28	-	25	7	22000 3		280	75	71	- -	3	12	=	• •	•	•
CHLONGOENZENE ETWYLDEAZENE ETWENE	10 to 1																•		
TOTAL-INTERE	, vo						=	1824 3			ĸ						2.5		
DILUTION FACTOR	-			_	2	2	_	90	_	2	SC	•	-		3.33	3.33	_	-	_
	•																		

PLANK SPACE

 Indicates the compound mas not detected.
 Mannitation is approximate due to quality control review (data validation).
 Value is rejected due to blank contamination identified in quality control review. The detection limit for blank contaminants is determined by the amount detected in blank, detailed in Appendix B.
 Value is rejected due to other contractual requirements identified in quality control review.
 Contract required detection limit (multiply by dilution factor to obtain sample detection limit). **=** 를

TABLE 5 CLP VOLATILE DRGANIC AMALYTICAL RESULTS NUS/FIT JUNE 1985 SAMPLING ROUNG (ppb) PAGE FOUR

GN-4D 13260 AC236				•			1900 1		• •				-	7 040									
EN-45 13259 10235							+	•						?									_
68-388 13270 AC246			125 1	•			1900	•					ş	8 37					*	?			10
68-388 1269 AC245			40				1700	•					4410	M C7					5	3			9
68-38 13268 AC244			740	•			4200	•					8	3					ş	3			•
64-38 13267 AC243			350				4400	•					0016	3					¥	?			V 7
68-35 13266 AC242			98	•			3000	•					3	3					\$	3			167
64-35 13265 AC241			140 J	•			2200	•					9	2					ň	3			43
60-188 13272 AC248				•			•	•	3 92				\$	3					9	}			1
60-15 13271 AC247		96					,	•															ĸ
TW 4B 13240 AB951				•	•		33		•				*	•					7	5			
TW 2C 13241 AB952				•	•		Z		71				97.	<u> </u>					2	3			_
SB6M 13225 1 A8936													•	•					a	•			-
S865 1 13224 2 88935				•	•				~				•	•					5	1			-
13221 13221 18932				•	•		23		85				9	F					8	2			-
S056 13219 A8930				•		m	ĸ		32				*	2					5	•			1.25
5855 13220 AB 931				•	•		==		13				9	}					£	3			-
5855 13217 AB929				•	•		7,6		=				9	<u> </u>					8	•			-
	5	2 2	2 2 5	3 v ;	2 v	N N		n v	50 ¥	2		3 KG	74 10 10		6 0 60		= 2 v	2	<u> </u>	. W	n ю,	N N	
SAMPLE LOCATION SAMPLE MANDER TRAFFIC REPORT MANDER	VOLATILE COMPOUNDS	CHLORONE THANE	VINYL CHLORIDE	METHYLENE CHLORIDE	ALETURE CARBON DISULFIDE	1,1-DICHLORDETHEME 1,1-DICHLORDETHAME	trans-1,2-DICHLORDETHENE	1,2-DICHLORGETHANE 2-DUTANGNE	1,1,1-TRICHLOROETHANE	VINYL ACETATE	PRONDBICHLORONETHINE	1,2-bich Gropage AME	trans-1,3-bich.osopeopeine	DI BREMOCH, DRONE THANE	1,1,2-TRICH DROETHAME DENZEME	C15-1,3-DICHLOROPROPENE	Z-CALUNCKINYL VINYL EINEK Drongforn	2-HE TANDNE	4-IETIVIL-2-PENTAKONE TETDACIA ROGETIACAE	10.116.06	ETWYLDENZENE ETWYLDENZENE	STYRENE Total-lylene	DILUTION FACTOR

Indicates the compound was not detected.
 Quantitation is approximate due to quality control review (data validation).
 Value is rejected due to blank contamination identified in quality control review. The detection limit for blank contaminants is determined by the amount detected in blank, detailed in Appendix D.
 Contract required detection limit (multiply by dilution factor to obtain sample detection limit).

PLANK SPACE

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TABLE 5 CLP VOLATILE DIGMAIC MAALYTICAL RESULIS MIS/FIT JUNE 1905 SAMPLING ROUND (ppb) PAGE FIVE

SAMPLE LOCATION SAMPLE MANDER TRAFFIC REPORT MANDER	4	13261 13261 AC237	13262 17262		6#-120 13264 AC240	13201 AC441	BSM-1 13251 AC225	DM-2 13249 AC223	13246 13246 AC222	13200 13200 AC456	13250 AC224	11253 11253 AC227	858-6 13247 AC221	855#-1 13752 AC234	13199 13199 ACASS	13196 15196 15196	SH-61 13274 16234	SB-02 13275 AC249	54-03 13276 AC250	
VOLATILE CONPOUNDS	CRD																			
CH, DRONETHANE MONDHETHANE VIAYL, CH, OR IDE	222								300											
CHLOROETWANE NETWYLENE CHLORIDE	2 v 5	• •	• •	• •	•	• :	•			•						•		•	•	
CARDON DISULFIDE 1,1-DICHLORDETHENE	5 rv rs	•	•	•	•	:														
1,1-DICHLORDETHANE trans-1,2-Dichlordethene		•	300	130	570			+	2100 3						2					
CALOROFORM 1,2-DICHLOROETHANE	, n	•	•	•	•		•	•	•	•	•	•	•	•	•	•		•	•	
2-BUIGHUME 1,1,1-TRICHLOROETHAME	5 ~	• •				: •	• •		•	• •		•	7800 3				•	•		
CARBON TETRACHLBRIDE VINYL ACETATE	~ =			3																
MONDO ICH DRONE THNE 1,1,2,2-TETRACH DROETHANE	s s																			
1,2-bich.draphaphae trans-1,3-bich.draphapeae	~ ~ .	5	8	5	3			-		8	5	9000	2700		-					
HILLALUNE HERE DIRRENCH GROETHANE 1,1,2-TRICHLONDETHANE		<u> </u>	2	È	<u> </u>				• 8	3		3			2					
NENZENE C15-1,3-BICHLOROPROPENE 2-CHLOROFINYL VLWYL ETHER	~ w @ '																			
2-KETANDKE 4-KETANDKE 4-KETANT-2-PENTANDKE	n <u>e e</u> :			•	4			3							;					
TELVENE CHLOROBENZBIE ETWILDENZBIE				•	2			2												
STVICIE Total-Iylene	n n											••	2000 7							
DILUTION FACTOR		v.	•	vs	6 7		S		2	6 7	-	2	8	8	-	673		S	S	

Indicates the compound was not detected.

Quantitation is approximate due to quality control review (data validation)..'

Value is rejected due to blank contamination idcentified in quality control review. The detection limit for blank contaminants is determined by the amount detected in blank, detailed in Appendix B.

Value is rejected due to other contractual requirements identified in quality control review.

Contract required detection limit (multiply by dilution factor to obtain sample detection limit).

BLANK SPACE"

:

TABLE 5 CLP VOLATILE DREAMIC ANALYTICAL RESULTS NUS/FIT JUNE 1905 SAPPLING ROUND (ppb) PAGE SIT

SH-04 SH-04 SH-05 SH-06 13277 13278 13279 13280 AC251 AC252 AC253 AC254 2-CHLORDETHYL VINYL ETHER 1,1,2,2-TETRACHLORDETHAME trans-1,3-BICHLORDPROPENE TRICKLORDETMENE trans-1,2-bICHLOROETHENE CHLOROFORM TRAFFIC REPORT NUMBER cis-1,3-bich onopropen SAMPLE LOCATION 1, 1, 1-TRICHLORGETHAME SAMPLE MUMBER 1,1,2-TRICHLORDETHANE CARBON TETRACIALDRIBE PROMOBICIAL ORGINE THINE 1,2-BICH CROPPEPAKE DE DROHOCIAL GRONE THANK 4-NETHYL-2-PENTANDME VOLATILE COMPOUNDS NETHYLENE CHLORIDE I, 1-DICHLORDETHANE 1,2-DICHLORDETHANE 1, 1-DICHLORDETHENE CARBON DISULFIDE TETRACHLORDETHEME VINYL CHARRIDE CHLORDRETHANE VINYL ACETATE CH. DROETHAME **PROMONETHANE** CHLOROBENZENE ETHYLBENZENE TOTAL-IYLENE 2-HE KANDINE PROMOF USE ACETONE TOLIER TOLIER

PLANK SPACE.

DILUTION FACTOR

Indicates the compound was not detected. Value is rejected due to blank contamination identified in quality control review. The detection limit for blank contaminants is determined by the amount detected in blank, detailed in Appendix B., Contract required detection limit (multiply by dilution factor to obtain sample detection limit).

죑

TABLE 5a CLP VOLATILE ORGANIC AMALYTICAL RESULTS NUS/FIT JUNE 1985 SAMPLING KOUND (pab)

BLAWK 6CA 4536 AC257 VGA						ä	3					5	ξ	240	2	:																						S
BLAMK 6CA 4536 AC256 VOA												92	:																									'n
BLANK GCA 4536 AC256 VOA																																						_
BLANK BCA 4536 AC255 VBA						S	3					510	;	720	}																						,	vī
BLANK COMPUCHEN 4515 A6955 VDA						7 6 7	•					4.6	•																									
BLANK COMPUCHEN 4515 AB954 VOA						-	•					4.5 J	•																								,	-
BLANK COMPUCHEN 4515 ABP53 VOA						9	i =	:																													,	
PLANK GCA 4574 AC451 HSL						9	i					924		56 0	15 4																							n
ECA 4574 AC446 HSL												32.5																									-	
	DL FACTOR	S	S	S	'n	2	2	v	1 2	ĸ	6	'n	'n	2	~	S	'n	s	'n	S	ĸ	ď	'n	r.	S	vs	S.	S	~	'n	S	S	~ 3	5	S	'n		
	CRDL	9	2	2	2	S	2	'n	ĸ	10	S	S	50	2	'n	'n	2	'n	S	r	ĸ	ç	S	S	'n	S	2	·s	2	2	S	S	٠. در	S.	2	S		
SAMPLE LDCATION LABORATORY IDENTFICATION CASE MANNER TRAFFIC REPORT MANNER AMALYSIS	VOLATILE COMPOUNDS	Chlorosethane	Brospecthane	Vinyl Chloride	Chloroethane	Methylene Chloride	Acetane	Carbon Disulfide	1, 1-Dichloroethene	1, 1-Dichlor oethane	trans-1,2,-Bichloroethene	Chlorofora	1,2-Bichloroethane	2-But anone	1.1,1-Trichloroethane	Carbon Tetrachloride	Vinyl Acetate	Or vacelich or case than	1,1,2,2-Tetrachloroethane	1,2-Bichloropropase	trans-1, 3-bichloropropane	Trichl or pethene	Bibrosoch) prosethane	1,1,2-Trichloroethane	Denzene	cis-1,3-Bichloropropene	2-Chloroethyl vinyl ether	Brosefore	2-Hexanone	4-Nethyl-2-Pestanone	Tetrachlorethene		Chlorobenzese	Ethyl benzene	Styrene	Total Jylenes	Dilimbian Contra	MINITON LECTOR

BLANK SPACE - Indicates the compound was not detected.

J - Quantitation is approximate when the Mass Spectral data indicates the presence of a compound that meets the identification criteria but the result is less than the spectified detection limit and greater than zero.

CRDL - Contract Kequired Detection Limit faultiply dilution factor, detection limit factor.

MOTES:

TABLE 5a CLP VOLATILE ORGANIC ANALYTICAL RESULTS NUS/FIT JUNE 1985 SAMPLING ROUND (ppb.) PAGE TWO

BLANK ENVIRONDYNE 4574 AC444 VOA						5 3	10 3		5.3	5 1	22	5.			140							37									200					S		-
BLANK ENVIRONBVIKE 4574 AC428 VBA						6.9	13																						4	15								-
PLANK 65A 4536 VGA						×						330		130	- 2																							S.
	DL FACTOR	S	'n	v	S	2	2	s	'n	S	1/3	S	S	2	S	S	S	S	ĸ	s	ĸ	'n	Ś	S	ĸ	'n	S	'n	'n	S	10	'n	1 23	S	**	בא	I II	
	CRD	2	2	2	2	~	2	s	~	ĸ	. 63	6	(73	2	'n	S	2	S	S	S	ç	~	'n	S	ç	5 7	2	S	2	2	s	S	S	'		. WT	,	
SANPLE LOCATION LABORATORY INENTIFICATION CASE MANNER TRAFFIC REPORT MANNER AMALYSIS	VOLATILE COMPOUNDS	Chlorosethane	Brossethane	Vinyl Chloride	Ch or oet hane	Methylene Chioride	Acetone	Carbon Disulfide	1, 1-Bichloroethene	1.1-Bichlorpethane	trans-1.2Dichloroethene	Chlorofors	1.2-Bichloraethase	2-Butanone	1,1,1-Trichloroethane	Carbon Tetrachloride	Vinyl Acetate	Brandichloranethane	1,1,2,2-Tetrachier oethane	1,2-Dichloropropane	trans-1, 3-Dichloropropane	Trichloroethene	Dibrosoch orosethane	1,1,2-Trichlorpethane	Benzene .	cis-1,3-Bichloropropene	2-Chloroethyl vinyl ether	Brosofora	2-Hexanone	4-Hethyl-2-Pentanone	Tetrachlorethene	Toluene	Chlorobenz ene	Ethylbenzene	Styrene	Total Ivienes		Dilution Factor

Guantitation is approximate when the Mass Spectral data indicates the gresence of a compound that seets the identification criteria but the result is less than the specfied detection limit and greater than zero.

Contract Required Detection Limit (multiply dilution factor, detection limit factor, and amount found in the sample to obtain sample detection limits).

Ę

Indicates the compound was not detected.

BLANK SPACE"

MOTES:

TABLE 6 NEAM CONCENTRATIONS OF SELECTED VOLATILE ORGANIC COMPOUNDS FROM THE MUS/FIT FINAL SAMPLING ROLLING ROLLING (APRIL, MAY, JUNE 1985) (PPD)

SAMPLING LOCATIONS		- S		••			5-5		••				9-5				9-10		
SOMOLOGO	2	2	1	••	=	36 II.	11 80 11	MEAN	••	5	20 C		=	3		2	8	3	
TRICH DROETHENE	•	=	•	••	•	•	۰	•		•	~	•	=			•			
TETRACIA, ORDETNEME	•	17	•		•	•	•	•		2	160	35	=	611		•	_	_	
LEADS-1,2-DICHEOROETHENE	•	•	•	••	•	•	•	•		m	~	•	•	_		•		_	_
1, 1, 1-181CM BRBETHAME	•	•	•	-	•	•	•	•		•	•	•	•	-		•	_	_	
1, 1-DICH DROETHAME	•	•	•	••	2	•	•	-0	••	•	•	•	•	•		•			_
1, 1, 2, 2-TETRACHLORDETHAME	•	•	•	••	•	•	•	•	••	~	•	•	•	_		•	_	_	
1,2-BICHLONDETHAME	•	•	0	••	•	•	•	•	••	•	•	•	•	•		•	_	_	_
1, 1-DICHLORDETHENE	•	2	90	-	•	•	•	•	••	•	•	•	•	•		•	_	_	
DENZENE	0	•	•	••	۰	•	۰	•	••	•	•	•	•	•		•		_	
ETHYLDENZEME	•	•	•	••	•	•	•	•	••	•	•	•	•	•		•	-	_	
TOLUENE	•	-0	m	••	•	•	•	•		•	•	•	•	•		•		_	
VINYL CHLORIDE	•	•	•		•	•	•	•	••	•	•	•	•	•		•		-	
STVREME	•	•	•		•	•	•	•	-	•	•	-	•	•		•		_	
TOTAL - IYLENE	•	•	•		•	•	•	•		•	•	•	•	•		•		_	
TOTAL (SELECTED)								,	,	•	•	•	•	•		•			
VOLATILES			34					•						123				Ū	
SAMPLING LOCATIONS	••		8-II				S -21		-		<i>22-</i> 5		-		¥-5		**	56.3 5	
COMPOUNDS	••	2	≡	E &	••	2		E.E.			= 0	E 24	_	= 2	=	HE 241	••	2	
TRICKLORDETHENE	••	2	3	<u> </u>	•	<u>2</u>		500	••	•	3	=		~	•	~	••	72	~
TETRACHLONDETHENE	••	*	2	25	••	11		2	••	•	•	•	-	•	Ĭ	•	••	*	_
LCARS-1, 2-DICHLORDETHENE	••	2	3	2	••	3	<u>2</u>	8	••	•	<u>6</u>	2	••	•		•	••	=	_

SAMPLING LOCATIONS	••		11-S		••		S -21		•		2-53		•		Ġ	ş			57.75
COMPOUNDS	••		=======================================	E	••	2	=	HE AL	•••	2	2	E	_	2	_	=======================================	EA		2
TRICHLORDETMENE	••	3	3	3		2	210	<u>8</u>	••	•	3		••				-	••	22
TE TRACH, DROE THEME	••	×	2	25	••	11	*	5	••	•	•	_	-		•	•	•		2
LTABS-1, 2-DICHLORDETHENE	••	7	3	2+	••	3	2	2	••	•	61	7	••		•	•	•	••	=
1,1,1-TRICH DROETHARE	••	Ξ	5	45	••	•	m	7	••	•	•	_	••		5	•	v		•
1,1-DICHLORGETHAME		•	•	•	••	•	•	•	••	•	•	_	••		•	•	•	••	•
1, 1, 2, 2-TETRACH, ORGETHANE	••	•	•	•	••	•	•	•	••	•	•	_	••		•	۰	•	••	•
1,2-BICHLORDETMAKE	••	•	•	•	••	•	•	•	••	•		_	••		•	•	•	_	•
1, 1-DICHLORDETHENE	**	•	۰	•	••	۰	•	•	••	•	•	_	••		•	0	•	-	•
BENZENE	••	•	•	•		•	•	•	••	•					•	•	•	-	•
ETHYLDEAZENE	••	•	۰	•	••	0	•	•	••	•		•			•	•	•		•
TOLLIENE	••	•	•	•	••	•	•	•	••	•			••		•	•	•		•
VINYL CHLORINE	••	•	•	•	••	•	•	•	••	•					•	•	•	-	•
STYREME	••	•	•	•	••	•	•	•	••	•	•	_	-		•	•	•	••	•
TOTAL-IYLENE	••	•	•	•	••	•	n	7	••	•	•	_	-		•	•	•		•
TOTAL (SELECTED)																			
WOLATILES				276				405				23	_				-		

4-Value rejected due to quality control réview (data validation). 44-Value rejected due to statistical test for outliers. RD 1-April 1965 Sampling Round RD 11-Hay 1965 Sampling Round RD 111-June 1985 Sampling Round MOTES:

TABLE 6 MEAN CONCENTRATIONS OF SELECTED VILITILE ORGANIC COMPOUNDS FROM THE MUS/FIT FINAL SAMPLING ROUNDS LAPRIL, MAY, JUNE 1965) (PPB)

SAMPLING LOCATIONS		5635		_			8 795					SP4S				-	3	
Semouso	_	=======================================	#		_ 2		111 9	HEAN		- 2	2	3 :: 4	_	HE AL	_	- 2		= 2
TRICHLORDETWENE	\$	#	3		9	2	<u>\$</u>	2		2	೭	•	•	42		2	23	=
TETRACIAL GRADE THENE	3	3	2		270		170	193		8	3	92	3	×		÷	#	=
trans-1,2-DICH.BROETHENE	=	ž	ñ		4		2	2		3	\$	•	•	ß		2	3	3
1,1,1-TRICHLORGETHAME	•	~	-	_	=		•	7		•	•	•	•	٠		m	m	•
1,1-DICHLORGETHANE	0	•	•		•	•	•	•		•	•	•	•	•		-	•	•
1, 1, 2, 2-TETRACHLORDETHANE	•	•	۰		•	•	•	•		•	•	•	•	•		•	•	•
1,2-DICHLORGETHAME	•	•	•		•	•	•	•		•	•	•	•	•		•	•	•
1,1-BICHLORGETHENE	•	•	•		•	0	•	•		•	•	•	•	•		•	•	•
BENZENE	•	•	٥		•	•	•	•		•	•	•	•	•		•	•	•
ETHYL BENZEME	•	•	•		•	•	•	•		•	•	•	•	•		•	•	•
TOLLENE	•	•	•		•	•	•	•	_	•	•	•	•	•	-	•	9	•
VINYL CALDRINE	•	•	•		•	•	•	•		•	•	•	•	•		•	•	•
STYREME	٠	•	•		•	•	•	•		•	•	•	•	•		•	•	•
TOTAL-EVLENE	•	•	•		•	•	•	•		•	•	•	•	•		•	•	•
TOTAL (SELECTED)																		
WELATILES			171					8 24						Ĭ				

		# 9 9							3					\$535 \$5			3	757S
COMPOUNDS	ž	80 III 800	3	HEAT		2	ž	8	8		••	2	2	===	E.		2	2
TRICH, ORDETHENE	120		-	123		<u>3</u>	170	28	3	3		•	•	=	•		ž	25
TE TRACHE GROE THEME	7	•	-	÷		Į		7	2		-	•	•	=	_		•	-
trans-1,2-DICHLORDETHENE	42	91	æ	28	••	3	8	2	3	2		•	•	:	_		20	=
1.1.1-TRICH CHOSETHANE	•	*	-	1 2		~	m	•	•	7		•	•	•	_		•	•
1,1-DICHLONDETHANE	•	•	_	•		•	•			•		•	•	•	_	-	•	•
1,1,2,2-TETBACHLORDETHAM		•				•				•		•			_		•	
1,2-DICHLORDETHANE	-					•						•			_	-	•	
1,1-BICH, BRETHEIE	•					•						-			_	-	•	
NEWZ ENE	•					•						9	•		•	-	•	•
ETHYL DENZENE	•					•						-			_		•	
TALLENE	•					•						•			_		•	
VINYL CHLORIDE	•	•	•	0		•		•	•	•		-	9	•	_		•	•
STYREME	•	•				•						-	-	•	_		•	•
TOTAL-IYLENE	_	•				•						•	-	•	_		•	•
TOTAL (SELECTED)																		
VOLATILES				22						323						<u>_</u>		

e-Value rejected due to quality control review (data validation).
He-Value rejected due to statistical test for outliers.
RB 1-April 1985 Sampling Round
RB 11-Hay 1985 Sampling Round
RD 111-June 1985 Sampling Round MOTES:

TABLE 6 NEAM CONCENTRATIONS OF SELECTED VOLATILE OBGANIC CONFOLNOS FROM THE MUS/FIT FINAL SAMPLING ROLLING (APRIL, MAY, JUNE 1965) (PPD)

4-Value rejected due to quality control review (data validation).
44-Value rejected due to statistical test for outliers.
48 I-April 1985 Sampling Round
88 II-Hay 1985 Sampling Round
80 III-June 1985 Sampling Round

MOTES:

TABLE & MEAN CONCENTRATIONS OF SELECTED VOLATILE ORGANIC CONPOUNDS FROM THE NUS/FIT FINAL SAMPLING ROUNDS LAPRIL, MAY, JUNE 1985) (PPB)

TRICHE COMPONINGS DAP RP II REAM RD I	SAMPLING LOCATIONS		89 %		-			\$70 \$				S70H					S71M	
FUNE 68 65 73 82 1 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0		ž	=	# F		2	RD 11	=	HEAT.	 2	=	=======================================	E		2		=	1
ETHÉNIE 88 65 65 65 11 0 0 0 0 1 +++ 0 0 0 0 1 1500 1900 ++ IDALORGETINAIE 12 29 17 1 0 0 0 0 0 0 0 0 0 0 1 151 BRITIANE 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	TRICHLORGETHENE	8	K	85		•	•	•	•	 •	•	•	•		٥		•	•
ENIME 36 *** 37 ! 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	TETRACIAL ORDETHENE	*	2	2		•	•	•	•	 I	•	•	•		500	1900	•	2
EFTIME 12 29 17 1 0 0 0 0 1 1 20 1 1 1 1 1 1 1 1 1 1 1	trans-1,2-DICHLORGETHENE	23	=	23		•	•	•	•	 •	•	•	•	-	3	9	15	36
ETIMALE MUCH LORDE THANK MUCH LORD THAN	1,1,1-TRICHERROETHAME	12	2	=		•	•	•	•	 •	•	•	•	-	2	2	•	Ξ
MCHLOBETHANK PETIME	1,1-DICHLONDETHANE	•	•	•		•	•	•	•	 •	•	•	•	_	•	•	•	•
	1,1,2,2-TETRACHLORDETHANE	•	•	•		•	•	•	•	 •	•	•	•		•	•	•	•
HETHERE O	1,2-DICH ORDETHANE	•	•	•		•	•	•	•	 •	•	•	•		•	•	•	•
	1,1-DICHLORDETHENE	•	•	•		•	•	•	0	 •	•	•	•		•	•	•	•
	DENZENE	•	•	•		•	•	•	9	 •	•	•	•		•	•	•	•
	ETHYLDENZENE	•	•	•		•	•	•	•	 •	•	•	•		•	•	•	•
	TOLUENE	•	•	•		•	•	٥	•	 =	•	•	•	-	=	•	•	•
1 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	VINTL CHLORIDE	•	•	•		•	•	•	•	 •	•	•	•		•	•	•	•
0 0 0 1 0 0 0 1 0 0 0 1 0 0 0 1 0 0 0 1 0 0 0 1 0 0 0 1 221	STYNEME	•	•	•		•	•	۰	•	 •	•	•	•		•	•	•	•
=	TOTAL - I'YLENE	•	•	•		•	•	=	•	 •	•	•	•		•	•	•	•
	TOTAL (SELECTED)																	
	VOLATILES			122					•				•					2

SAMPLING LOCATIONS			6178	8719					S77S					S	夷			ίςi	S728
COMPOUNDS		=	=	8 0 EE	# F		.	2	2	I KE		2	= 2	=	===	E		2	2
TRICHLORDETHENE		=	•	=	-		*	~		•		_	_	91	•	\$		•	
TETRACHLORDETHENE		=	2500	2450	2475		•	•		•		_	~	•	•	•	_	•	
trans-1,2-DICH. BROETHENE		=	•	8	ß	_	•	_						•	•	•		•	
1,1,1-TRICH ORDETHANE		=	=	3	¥		•	•		•				•	•	•		•	
1,1-BICH DROETHAME		=	•	•	•		•	•		•			•	•	=	•		•	
1,1,2,2-TETRACHLOROETHANE		Ξ	•	•	•		•	•		•	-	•		•	•	•		•	
1,2-DICH, DRDETHANE		=	•	•	•		•	•		•			•	•	•	•		•	
1,1-DICHLORGETHENE		=	•	•	•		•	•		•	_		•	•	•	•		۰	
DENZENE		Ξ	•	•	•		•	•		•	-			~	Ś	~		•	
ETHYLDENZEME		:	•	•	•		•	•		•			•	•	•	•	_	•	
TOLLENE		:	•	•	•		•	•		•	_			•	•	•		•	
VINYL CALORIDE		=	•	•	•		•	•		•				•	•	•	_	•	
STYRERE	-	=	•	•	•		•	•		•	_			•	•	•	_	•	
TOTAL-IYLENE		=	•	•	•		•	•		•	-			•	•	•		•	
TOTAL (SELECTED)																			
WILATILES					2677					-						z			

e-Value rejected due to quality control review (data validation).

ee-Value rejected due to statistical test for outliers.

AB I-April 1995 Sampling Round

RB II-Hay 1995 Sampling Round

RB III-June 1995 Sampling Round NOTES:

-_

TABLE 6 MEAN CONCENTRATIONS OF SELECTED VOLATILE ORGANIC CONFOUNDS FROM THE MUS/FIT FINAL SAMPLING ROUNDS (APRIL, MAY, JUNE 1985) (PPB)

5748	RD I RD 11 NEAN	•		•	-	 • •									 •		•	•
																_		
	3	42	. •	ء ٠	; <	> :	•	> <	• •	• <	• •	• <	•	• •	•	•	93	
S73B	RB 11 RB 111	52 58	9	77	,	2	2	•	, M		• •	•	•	• •	•	•		
	2			=	; <	• =		• •		• •	• •	•	• •		• =	•		
					-											•		
	EA	6	0	=		•		•	~	•	•	•	•	•	• •	•	Ħ	
5735	1 RD ::	9	0	0 23				•	2	•	•	•	•	•		•		
	2			7	,					_	_	_	Ī	_	_			
	2	~	•	12	•	•	•	•	•	•	•	•	•	•	۰	•		
	-	••																
į	7	=	•	•	•	•	٠	•	•	•	•	•	•	•	•		=	
87.5	=	•	•	•	•	=	•	•	•	•	•	=	•	0	•			
٠,	= :	=	•	0	•	•	•	•	•	٠	•	•	•	•	•			
	2						w											
SAMPLING LOCATIONS		WILT DARK INCH	TE TRACIAL ORDETMENE	trans-1,2-DICHLORDETHENE	1, 1, 1-TRICH DROETHANE	1, 1-BICHLORDETHANE	1,1,2,2-TETBACKEBROETHAN	1,2-DICH.BROETHAME	1,1-DICHLORDETHENE	DENZENE	ETHYLDENZENE	TOLUENE	VINYL CHLORIDE	STYREME	TOTAL-IYLENE	TOTAL (SELECTED)	WALATILES	

5100		5749						5755						\$7.5			•		6759	
S	2	=	E		2	_	RD 11 R	=======================================	ā	E		2	9	9	RB 111	1	• •	9	•	_
TRICHLORDETHENE	•	_	_	•		0	0	•	9	_					•		• •	•	•	
TETBACIA NAMETAKIA	•	•	_				•	•	•			• •	•	•	•	•	•	•	•	>
	•	•		•		>	>	>	_	_		•	•	•	•	•	••	•		•
Crans-1, 2-DICH LIGHT INCH	•	_	_	•	••	•	•	•	_	_		•	•	•	•	•	-	•	•	•
1, 1, 1-TRICHLORDETHAME	•	•	_	•	••	•	•	•	9	_		•	•	•	•	•		• •	•	
1,1-DICHLORDETHANE	•	ی	_	•	••	•	•	•	•	-		•	•	•	•	•	• •	• •	•	•
1,1,2,2-TETRACHLORDETHANE	•	9	_	•	••	•	0	•	•	_	_	•	• =	•	•	•		•	•	• <
1, 2-DICH DRDETHANE	•	9	_	•	• ••	•	-	•				•	•	•	•	•	·• ·	•	-	,
1, 1-DICH, DROETHENE	•	_					•	•				•	• •	•	• <	•	-	•	•	•
BENZENE	•						90	. S	5700	1136	• -	*	2	-	• :	•	•	• ;	7 :	.
ETHYLDENZENE	•					9	1	5	3			: \$	2 2	2 5	2 2	2 ;		e !	2 7	.
3(3) (6)	•						į	3	4		• •	: :	3 :	3 :	ξ,	3 9		2	33 :	•
VINYL CHARINE	•	,					3 9	?	g			=	•	2 •	~ •	Z1	••	• •	= '	
STYRENE	•		•		_		<u>ء</u>	2	• 5		• •	•	• :	•	•	•	••	•	•	.
TOTAL-IYLENE	•	•	_			92.9	\$	2	3	167		2	: 6	• 1	•	•	•••	• ;	- :	
TOTAL (SELECTED)							•	į	•		-	}	2	2	3	7	-	\$	₹	_
VOLATILES			-	•						4702						72				

4-Value rejected due to quality control review (data validation).
48-Value rejected due to statistical test for outliers.
RD 1-April 1985 Sampling Round
RD 11-Hay 1985 Sampling Round
RD 111-Lune 1985 Sampling Round MOTES

TABLE 6 HEAM CONCENTRATIONS OF SELECTED WOLATILE ORGANIC COMPOUNDS FROM THE MUS/FIT FIRMS SAMPLING ROUNDS (APPIL, MAY, JUNE 1965) (PPB)

SAMPLING LOCATIONS	5750				\$928		••	S	3			8760	9		••		S	STTS
CONFOUNDS		HE A	-	=======================================	1111	E	2	= 8	RD 111 MEAN	=	2	2	III NEAN	_	2	=	8 :: 0	===
TRICK DROETNENE	•	•		6	•	S	••	•	•	•		•	•	•		~	21	:
TETRACAL BROETHENE	•	•		•	•	•	••	•	•	•	••	•	•	•		•	•	:
trans-1,2-DICHLANGETHENE	•	•		•	•	•	••	•	•	•	-	•	•	•	••	2	-	•
1,1,1-TRICHLORDETHANE	•	•	-	•	•	•	-	•	•	•	-	•	•	•		•	•	•
1,1-DICHLORDETHAME	•	•		•	•	•		•	•	•		•	•	•	_	-	•	•
1,1,2,2-TETBACHLORGETHAME	•	•		•	•	•	-	•	•	•		•	•	•		•	•	•
1,2-DICHLORDETHANE	•	•		•	•	•		•	•	•		•	•	•		•	•	•
1,1-DICHEORETHENE	۰	•		•	•	•	••	•	•	•		•	•	•	••	•	•	•
DEN1EME	991	2		•	•	•	••	•	•	•		•	•	•		•	•	•
ETHYLBENZENE	33	ĸ		•	•	•	••	•	۰	•		•	•	•	_	•	•	•
TOLLENE	=	•		•	•	•	_	•	•	•		•	•	•		•	•	•
VINYL CALORIDE	•	•		•	•	•	••	•	•	•		•	•	•	••	•	•	•
STYREME	•	•		•	•	•		•	•	•	-	•	•	•		•	•	•
TOTAL-IYLENE	*	7		•	•	•	••	•	•	•		•	-	•		•	•	•
TOTAL (SELECTED)																		
VOLATILES		230				r				•				•				

SAMPLING LOCATIONS	S775S				5175		_			571						171		
COMPONIES	#		2	=	Ξ	EA		.		=======================================		3		-	2	111 02	EM	
TRICKLORGE THEME	1		\$		3	139		=	16	%		3	_	210			243	
TETRACAL DRIVET WENE	•		Ξ	22	2	2		=	7	2	ጽ	\$		2	=	•	2	_
trans-1,2-DICHLORDETHENE	_		'n	•	•	-		•	75	23	#	*	_	2	•	•	•	_
1,1,1-TRICK GROETHAME	•		•	•	•	•	-	:	=	21	•	•		•	•	•	٠	
1,1-DICH DADETHANE	•		•	•	•	•		•	•	•	•	•	_	•	•	•	•	
1,1,2,2-TETRACIE BROETHAME	•	_	•	•	•	•		•	•	•	•	•		•	•	•	•	_
1,2-DICHLONDETHANE	•	-	•	•	•	•		•	•		•	•		•	•	•	•	
1,1-DICHLONGETHENE	•		•	•	•	•		=	•	•	•	•		•	•	•	•	
DENZENE	•		•	•	•	•	_	•	•		•	•		•	•	•	•	
ETWYLBENZENE	•		•	•	•	•	-	•	•		•	•		•	٠	•	•	
TOLUENE	•		•	•	•	•		•	•		•	•	_	•	•	•	•	
VINYL CHLORIDE	•		•	•	•	•		•	•	•	•	•		•	•	•	•	_
STYNEME	•		•	•	•	•		•	•	•	•	•		•	•	•	•	
TOTAL-IYLENE	•		•	•	•	•		•	•	•	•	•		•	•	•	•	_
TOTAL (SELECTED)																		
VELATILES	±					•						<u>≅</u>					7	

MOTES:

TABLE 6 HEAN CONCENTRATIONS OF SELECTED WOLATILE ORGANIC COMPOUNDS FROM THE NUS/FIT FINAL SAMPLING ROUNDS (APRIL, MAY, JUNE 1965) (PPB)

SAMPLING LOCATIONS			37					S780	_			8778	2				S005			
	_ 2	=======================================	Ξ.			2	2	2			2	#	=	7	=	- 2	= 2	3	-	
TRICK DROETHENE	000091	=	3	1500		•	-	_	•			•	•	•		•	•	•		
TETRACIA BROETIAENE	2800	22	2280			•	-	_	•			•	•	•		•	•	•	-	
trans-1,2-DICH. ORDETHENE	•	•	•	•		•	-	_	•			•	•	•		•	•	•	••	
1, 1, 1 - TRICK BROETWAKE	•	•	•	•	••	•	-	_	•			•	•	•	••	•	-	•	-	
1,1-DICH. GROETHANE	•	•	•	•		•	-	_	•	- 0		•	•	•	-	•	•	•	-	
1,1,2,2-TETRACHLEROETHANE	•	•	•	•		•	-	_	•			•	•	•	•	•	•	•	-	
1,2-DICH BRDETHAKE	•	•	•	•		•	-	_	•			•	•	•		•	•	•	-	
1,1-DICHLORDETHENE	•	•	•	•		•	-	_	•			•	•	•	-	•	•	•		
DENZENE	•	•	•			•	•	_	•			•	•	•	-	•	-	•		
ETHYLBENZENE	•	•	•	•		•	•	_	•	•		•	•	•		•	•	•		
TOLLIENE	٠	•	•	•		•	•	_	•			•	•	•	••	•	•	•		
VINYL CHLORIDE	•	-	•	•		•	•	_	•	-		•	•	•		•	•	•	-	
STYNENE	•	•	•	•		•	•	_	•			•	•	•		•	•	•		
TOTAL-LYLENE	9100	~	1824	2642		•	•	_	•			•	•	•	-	•	•	•	-	
TOTAL (SELECTED)																				
WOLATILES				109356						•				•				•		

SAMPLING LOCATIONS		2003		••				2818				= 25				28	
COMPOUNDS RD	8	2	EA	-	5	ž		= 2	HE AN	 - 2	8 = 8	RD III BUP	•	EA.	-	2	=
TRICH, DROETHENE	•	_	•		_	:	3	\$	男	 =	•	•	•	•	-	•	•
TETRACIA DROETIVENE	•	Ī	•	••	=	999	979	8	2	 *	ង	Ľ	7	*	-	2	₹
trans-1,2-BICHLORGETHENE	•	_	•	••	Ī	•	•	•	•	 •	•	•	•	•		m	•
1, 1, 1-TRICH BROETHAME	•	_	•	-		9	\$	340	103	 •	•	•	•	•		73	•
1,1-BICHLORDETHANE	•	Ī	•	••	Ī	•	•	•	•	 •	•	•	•	•	-	•	•
1, 1, 2, 2-TE TRACHE BROETHANE	•	_	•	••			•	•	•	 •	•	•	•	•		•	•
1,2-DICHLONDETHAME	•		•	••	Ī		•	•	•	 •	•	•	•	•	-	•	•
1,1-DICHLORDETHENE	•	•		-	•	•	•	•	•	 •	•	•	•	•		•	•
DENZEME	•	_		••	Ī		•	•	•	 •	•	•	•	•		•	•
ETMYLDENZENE	•	Ī	•		Ĭ		•	•	•	 •	•	•	•	•	-	•	•
TOLLIENE	•	Ī	•	**		•	•	•	•	 •	•	•	•	•		•	•
VINYL CHLORIBE	•		•	••	Ĭ	•	•	•	•	 •	•	•	•	•		•	•
STYREME	•	_	•	••	Ī	•	•	•	•	 •	•	•	•	•		•	•
TOTAL-1YLENE	•	_	•	••	Ĭ	•	•	•	•	 •	•	:	•	•		•	•
TOTAL (SELECTED) VOLATILES			•						1059					3			

e-Value rejected due to quality control review (data validation).
**-Value rejected due to atalistical test for outliers.
RP 1-April 1965 Sampling Round
RP 11-Hay 1965 Sampling Round
RP 111-June 1965 Sampling Round MOTES:

TABLE 6 HEAM CONCENTRATIONS OF SELECTED VOLATILE ORGANIC COMPOUNDS FROM THE MUS/FIT FINAL SAMPLING ROUNDS (APRIL, MAY, JUNE 1965) (PPB)

SAMPLING LOCATIONS	2810					285						283				 5845	22
R SENDOMES	8 ==	E.	 2			2 2	HEAN		8	ž	2	38 ::	2		3	 9	= 8
TRICK ORDETHENE	~	m	 3	37	ŝ	:	7		:			¥		24	9	 *	z
TE TRACKLORDE THENE	96	146	 *	33	*	=	8		#	=		15 12			Ξ	 20	9
trans-1,2-DICHLORDETHENE	-	-	 2	77	7.7	黑	58		=	=		6 01	_ 	8	<u>=</u>	 2	2
1, 1, 1-TRICHLORDETHANE	9	12	 •	•	•	:	•		Ξ	Ξ	_	•	•	•	•	 •	0
1,1-DICHLORDETHAME	•	9	 •	•	•	•	•		=	=	_	•		•	0	 •	3
1,1,2,2-TETRACHLORDETHANE	•	•	 •	•	•	•	•		=	Ŧ				•	•	 •	•
1,2-DICHLORDETHANE	•	•	 •	9	•	•	•		#	-				•	•	 •	•
1,1-DICHLORDETNENE	•	3	 •	0	•	0	•		Ξ	:				•	•	 ۰	•
BENZENE	•	•	 •	•	•	•	•		=	=				9	•	 •	•
ETHYLBENZEME	•	•	 •	٥	•	•	7		=	-		0		•	•	 •	•
TOLUENE	•	9	 •	•	•	•	•	- -	=	=				•	•	 •	•
VINYL CHLORIDE	3	•	 •	•	•	•	•		=	=				•	•	 •	•
STYREME	•	•	 •	•	•	•	•		=	=				•	•	 •	•
TOTAL-XYLENE	•	•	 •	•	•	•	•		=	Ŧ			•	•	•	 0	•
TOTAL (SELECTED)																	
VOLATILES		791					\$								575		

SAMPLING LOCATIONS	SB45					SBAR				35					88	S		
COMPOUNDS	RB III	MEAN		2	8	3	MEAN	 2	2	88 III	HEAN		1 08		===			3
RICHLORDETHENE	•	23		-	2	•	-	 23	92	•			===	972	1 24	2	2	2
ETRACIAL ORDE THENE	•	16		=	=	•	=	 2	•	-	2	_	S		22	28	2	3
rans-1,2-DICHLORDETHENE	•	2		1	•	•	•	 •	=	•	=		-		7	11	2	7
, 1, 1-TRICH DRIETHAME	•	•		•	•	•	•	 •	•	•				-	•	13	=	•
, 1-BICHLOROETHAME	۰	•		•	•	•	•	 •	•	•	-				•	•	•	•
1, 2, 2-TETRACIAL DROETHAME	•	•	-	•	•	•	•	 •	•	•	-			•	•	•	•	•
, 2-DICHLORGETHANE	•	•		•	•	•	•	 •	•		-		•				•	•
1,1-DICHLORDETHENE	•	•		•	•	•	•	 •	•	•	-			_	•	•	•	•
ENZENE	•	•		•	•	•	•	 •	•								•	•
THYLDENZENE	•	•		•	•	•	•	 •	•		•						•	•
OLIENE	•	•		•	•	•	•	 •	•								•	-
INT. CHLORIDE	۰	•		•	•	•	•	 •	•		-				•	•	•	_
TYRENE	•	•		•	•	•	•	 •	•	•	-				•	•	•	•
DTAL-INLENE	'n	~		•	•	•	•	 ٠	•	-	•			•	•	•	•	_
DTAL (SELECTED)		i									,		-					
DLATILES		*					33				2							2

e-Value rejected due to quality control review (data validation).

49-Value rejected due to statistical test for outliers.

RD 1-April 1985 Sampling Round

RD 11-Hay 1985 Sampling Round

RD 111-lune 1985 Sampling Round MDTES:

TABLE 6 MEAN CONCENTRATIONS OF VOLATILE ORGANIC COMPOUNDS FROM THE NUS/FIT FINAL SAMPLING ROUNDS (APRIL, MAY, JUNE 1985) (PPB)

SOMPOUNDS AB																			ł
The state and desired		RD .: A	=======================================	3	-		2	=======================================	3		2	89 ::	=======================================	#E#	-	2	8		=
		ŝ	\$	\$		=	m	~	•		=	~	m	m		ዩ			2
TETRACIAL ORDE THEME		22	3	193		=	12	12	12		=	23	60	=		3	91		2
trans-1,2-BICHEORDETHENE		=	23	22		=	•	•	•		:	9	•	•		=		7 3	z
1,1,1-TRICH DROETHANE	×	=	25	Ħ		=	•	-	7		:	•		•		•	=	_	≂
I, 1-DICH DROETHAME	•		•	•		•	•				•			•		•			•
1,1,2,2-TETBACHLONDETHANE	•		•	•		•	•				•			•		•			•
w	•		۰	•		•	•				•			•		•			•
**	•		:	•		•	•				•			•		•			•
	•		•	•		•	•				•			•		•			•
	•		•	•		•	•				•			•		•	_		•
TOLLIENE	•		•	•	-	•	•				•			•	-	•	_		•
VINYL CALDRIDE	•	•	•	0		•	•	•	•		•	•	•	•	-	•	•		•
STYRENE	•		•	•		•	•				•			•		•			•
TOTAL - IYLENE	•		•	•	••	•	•				•			•		•	_		•
TOTAL (SELECTED)									•									-	
WELATILES				270					91					Ξ					
TAMPITADE ONE COMES	8	-		9					31-09		-		5		•			3	2
2			2		2		2	8	3 2	E		2	2 2	7		2	2	! = :	! =

SAMPLING LOCATIONS	3Z-N1			7		••			SI-0 9				9		••		_	94 T-05
	# F E		2	11 88	E		2	8	RB ::	KA		2	2	HE A	••	2		= 2
	111		3	2	7	••	•	•	•	•		•	1	•	-	•	2	2
TETRACIA DROETHENE	ጜ		41	3	÷	••	•	•	•	•		•	ş	\$	-	370	300 0	8 8
trans-1,2-DICHLORDETHENE	22		3	B	33		•	•	•	•		•	•	•	••	•	s	•
1,1,1-TRICH ORDETHAME	=		•	-	•	••	•	•	•	•		•	23	Ξ	-	**	t	992
1,1-DICH, DROETHAME	•	-	•	•	•	••	•	•	•	•		3	•	•	••	•	•	•
1,1,2,2-TETRACIL ORDETHANE	•		•	•	•	••	•	•	•	•		•	•	•		•	•	•
1,2-DICHLORDETHAME	•		•	•	•	••	•	•	•	•		•	•	•		•	•	•
1,1-DICH, ORBETHENE	•		•	-		••	•	•	•	•		•		•		•	=	•
DENZENE	•		•	-		••	•	0	•	•		•	•	•		•	•	•
ETHYLBENZEME	•		•	•	۰	••	•	•	•	•	_	•		•	-	•	•	•
TOLLERE	•		•	-		••	•	•	•	•		•	•	•	-	•	•	•
VIWL CHLORINE	۰		•	-		••	•	•	•	•		•	۰	•		0	•	•
STYREME	۰		•	-	•		•	•	•	•		•	•	•	••	•	•	•
TOTAL - IYLENE	•	-	0	•	•		•	•	•	•	_	•	•	•	••	•	•	•
TOTAL (SELECTED)																		
WOLATILES	ጀ				165					•				918				

-Value rejected due to quality control review (data validation). ++-Value rejected due to statistical test for outliers. RD 1-April 1965 Sampling Round RD 11-Hay 1965 Sampling Round RD 111-June 1965 Sampling Round MOTES

TABLE 6 MEAN CONCENTRATIONS OF VOLATILE DREAMIC COMPRIMES FROM THE MUS/FIT FINAL SAMPLING ROUNDS (APRIL, MAY, JUNE 1965) (PPB)

SAMPLING LOCATIONS	901-09	 ;		64 -35		į			:	京	57-75 17-75	į				68-38 54-38	1	
	¥	 2	=					_	2		.	2		_ 2	= :		2	
TRICKLORGETHENE	2	 •	<u>2</u>	919	1200	28 29		•	<u>2</u>	228	8	2433		•	3	20 20 20 20 20 20 20 20 20 20 20 20 20 2	22	
ETRACIAL BROETHENE	2,40	 •	æ	5	2	<u>-</u>		•	\$	Ľ	3	\$		#	_	3	\$	
ras-1,2-DICHLORGETHENE	~	 <u>ş</u>	\$	520	3000	1955		200	81	\$	4200	2875		=	29	200	<u>\$</u>	
1.1-TRICH BRETHAK	130	 •	•	•	•	•		•	•	•		•		•	•	•	•	
1-DICK BRETHANE	•	 •	•	•	•	•		•	•	•		•	_	•	•	•	•	
1.2.2-TETRACIA ORDETHAN	•	 •	•	•	•	•		•	•	•		•	_	•	•	•	•	
2-DICH DROETHANE	•	 •	•	•	•	•	_	•	•	•		۰	_	•	•	•	•	
1-DICH BROETHENE	•	 •	•	•	•	•		٥	•	•		•	_	•	•	•	•	
ENZENE	•	 ۰	•	•	•	•		•	•	•		•		•	•	•	•	
THYLDENZENE	•	 •	•	•	•	•		•	0	•		•		•	•	•	•	
DUCK	•	 •	•	•	•	•		•	•	•		•		•	•	•	•	
VINYL CALORINE	•	 •	\$?	8	45		•	220	350	240	215		•	\$	140	123	
STYREME	•	 •	•	•	•	•		•	•	•		•	_	•	•	•	•	
OTAL-IYLENE	•	 •	•	•	•	•		•	•	•		•		•	•	•	•	
DIAL (SELECTED)																		
OLATILES	1938					678						2267						
SAMPLING LOCATIONS	805-35 55-35		64-4S		••		GH-40				SH-115		-		====		•	
COMPOUNDS	###	 2	RD 111	E E				E.		2	:: e	E		=	=======================================	EE	•	
RICHLORDETHENE	2100	 61	2	2	••	<u>2</u>	25	242		2	2	56	••	2	8	2	•	
ETRACIA, ORDETHENE	¥	 •	•	•	-	۰	•	•		7	•	-	••	2	•	•	•	
r ans-1,2-BICHLORDETHENE	1423	 77	-	7		26	<u>\$</u>	1345		•	•	•		•	3	3	•	
1.1-TRICH DROETHANE	٥	 •	•	•	-	•	•	•		•	•	•	-	•	•	•	•	
1-DICHLONDETHANE	•	 •	•	•		•	•	•		•	•	•	-	•	•	•	•	
.1,2,2-TETRACIAL BROETHAM	о	 •	•	•	••	•	•	•		•	•	۰		•	•	•	•	
2-DICH DROETHAME	•	 •	•	•		٥	•	•	••	9	•	•	••	•	•	•	•	
. 1-DICHLOROETHENE	•	 •	•	•		•	•	•		22	•	25		220	•	==	•	
EN7ENE	•	 •	•	•		•	•	•		•	•	•	••	•	•	•	•	
ETHYLDENZENE	•	 •	•	•		•	3	3	••	٠	•	•	••	•	•	•	•	
O.UEME	•	 •	•	•	••	•	•	•		•	•	•		•	•	•	•	
VINT. CALORIDE	3 2	 •	•	•	-	•	•	•	-	•	•	•		•	•	•	•	
STYRENE	•	 •	•	•	••	•	•	•		•	•	•	••	•	•	•	•	
OTAL-IYLENE	٥	 •	•	•	••	•	•	•		•	•	•		•	۰	•	•	
OTAL (SELECTED)	3642			25				170				13				ž		
	•			;														

+-Value rejected due to quality control review (data validation).

++-Value rejected due to statistical test for outliers.

RB 1-April 1985 Sampling Round

RB 11-Hay 1985 Sampling Round

RB 111-June 1985 Sampling Round MOTES:

TABLE 6 MEAN CONCENTRATIONS OF VOLATILE DRGAMIC COMPOUNDS FROM THE NUS/FIT FINAL SAMPLING ROUNDS (APRIL, MAY, JUNE 1905) (PPB)

SAMPLING LOCATIONS		S1-13		•	•	£-128		•		3		•		-		•		1	
SOM COMPONED	 2	=	7	•		=======================================	7		=	2	7	•	2		1	•	=	1 5	
TRICH, ORDETHENE	420	3	3	•	3	8	970	•	_	9	*	•	?	: 1	1	•	. :	: :	
TETRACH, ORDETNEME	•	10	m	•		2	=	•	: =	• •	•	•	? <	\$ 5	3 <	•	= •	ን ·	
trans.1 2.Birth DONETHENE	•	2	, 1		: <	2	2 5		•	•	•		•	•	>		•	-	
TO STATE OF	•	3	3 '	•	>	2	2	•	•	•	-	•	•	•	•	•	.	•	
1, 1, 1 - IN ILAL UNDE ITTUE	•	•	•	•	•	3,	3	•	m	•	~	•	•	•	•	•	•	•	
1, 1-9 CALORDE THANE	•	•	•	•	•	•	•	•	•	•	•	•	•		•	•	•	•	
1,1,2,2-TETRACIL ORDETHANE	•	•	0	•	•	•	•	•	0	•	•	•	•	•	•	•	• •	•	
1.2-BICH ORBETHANE	•	•	•	•	•	•	•		,	• •	•	•	•	•	•	•	•	•	
1.1-DICHLORDETIKENE	\$	•	3	•	9	•	5	•	•	•	•	-	> <	• <	> <	•	> <	•	
DEN 2 ENE	•	•	•	•	4	•	•	•	• •	•	•	•	> <	•	> <	•	> <	•	
ETAYLBENZENE	•	•	•	•	• •	• •	• •		• •	> <	•	•	•	> <	•	•	•	•	
TON U.S.M.	•	• •	• •	•	• «	• •	• •	•	• «	•	•	•	•	> •	•	, ,	•	•	
VINYL CHARGE OF	•		• •		• «	•	•	•	•	•	•	•	•	•	> (•	-	
STABERE	•	• <	• <	-	• «	•	•		•	•	•	•	•	•	•	•	•	•	
TOTAL - IVI EME	•	• <	> <	•	•	•	•	•	> •	•	-		.	•	•	•	•	•	
TATAL (CELECIES)	•	•	•		>	>	>	,	>	-	•	•	•	•	•	•	•	•	
ISING VECTORS																			
WALATILES			54 9				1633				2				535				
Sauth the Locations	, T	-		C. TO			•	-		•		i		•		i		i	
	1 7 7	•		7 10		•								•		î			
					Į	,		=======================================	Ŧ		- B		2	•		=	3	•	
IN CALCHER INC.	27	•	2	Ę	5	•	2	8	50	•	=	•	2	•	326	236	3	•	
TETMACH, ONDETHENE	~	•	=	•	7		1	•	m	•	m	•	7	•	•	•	•		
trans-1,2-bich DRDETHENE	S	•	920	2100	1510		2	•	2	•	•	•	•	•	•	•	•	•	
1,1,1-TRICHLORDETHAME	•	•	5 8	•	%	•	•	•	•	•	•	9	•	•	•	•	•	•	
1,1-DICH DROETHAME	•	•	9 2	•	=		'n	•	,-	•	•	•	•	•	•	•	•		
1,1,2,2-TETRACIA BRIGETHAME	•	•	•	•	•		•	•	٠	•	•	•	•	•	•	•	•		
1,2-BICH BROETHANE	•	•	•	•	•	•	-	•	~	•	•	•	•	•	• •	• •	•	•	
1,1-bich.drethene	•	•	•	•	•		•	•	•	-	•	•	• •	•	•	•	•	•	
DENZENE	•	•	•	•	•		۰	•	•	•	• •	•	• •	•	•	• •	•	•	
ETHYL DENZENE	•	•	•	•	•		•	•	•	-	•	•	• •	•	• •	• <	• •	•	
TALLEM	۰	•	•	•	-	•	٠.		٠ -	•	•	• •	• •	•	•	•	•		
VIEW CHARGEINE	•	•	· =	5		•	• <	•	•		•	> <	•	•	•	•	•		
ATMENE.	• <		3 *	`	<u>`</u>		٠ -	•	> 1		•	>	-	•	-	•	•	•	
	•		>	•	•		•	•	•	•	•	•	•	-	•	•	•	•	
TOTAL - TYLENE	•	•	•	•	•	-	•	•	•	•	•	•	•	•	•	•	•	•	
IDIAL (SELECTED)																			
VOLATILES	H				1889				12				2				8		

4-Value rejected due to quality control review (data validation), 44-Value rejected due to statistical test for outliers. RB II-April 1985 Sampling Round RB III-Hay 1985 Sampling Round RB III-June 1985 Sampling Round MOTES:

TABLE 6 MEAN CONCENTRATIONS OF VOLATILE ORGANIC COMPOUNDS FROM THE NUS/FIT FINAL SAMPLING ROUNDS (APRIL, MAY, JUNE 1985) (PPB)

SAMPLING LOCATIONS		855M-4		•			9- 1 52		•	**	DSB-7		•		<u>-</u>	
Samound	9	111	E.	•	2	ž	R0 11	EE	•	RD I RD III REAM	=	3	•	- 2	= =	EA
TRICH DOMETHEME	00000	30	310000	•	100000 11000	20001	0 110000 140000 1	116667	•	23	•	12	•	23	13	ĸ
TE I RACHE ORDE THEME	9	_	•	•	•	•	•	•	•	-	•	~	•	•	m	7
trans-1.2-bich DRDETNENE	•	•	•	•	•	•	•	•	•	•	•	•	•	•	2	7
1.1.1-TRICH BRETHAM	•	•	•	•	3000	3200	786	4997	•	•	•	•	•	•	•	•
1.1-PICHLORDETHANE	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
1.1.2.2-TETRACHLORDETHANE	0	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
1.2-BICHLORDETMANE	•	•	•	•	•	•	•	•	•	•	0	9	•	•	•	•
1.1-BICHLORDETHENE	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
DEAZENE	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
ETHYLDENZENE	•	•	•	•	•	3	•	•	•	•	•	•	•	•	•	•
TOLLENE	۰	9	•	•	•	•	•	•	•	•	•	•	•	•	•	•
VINYL CHLORIDE	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
STYREME	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
TOTAL-1YLENE		•	7060	•	350	\$	2000	3350	•	•	•	•	•	•	•	•
TOTAL (SELECTED)																i
WOLATILES			317000					124684				=				2

4-Value rejected due to quality control review (data validation).
44-Value rejected due to statistical test for outliers.
RD I-April 1985 Sampling Round
RD II-Nay 1985 Sampling Round
RD III-June 1985 Sampling Round

TABLE 7 CLP ETTRACTABLE BREANIC AMALYTICAL RESULTS NUS/FIT APRIL 1985 SAMPLING ROLLING (PPB)

SAPLE LOCATIONS SAPLE NUMBER TRAFFIC REPORT MANBER SENTYRLATILE COMPOUNDS		5465 12477 ABC333	548 12478 ABS42	5710 12433 ABS 34	5728 12396 48384	574H 12475 ARS36	S77N 12400 AB365	5785 12416 A3389	5796 12340 14322	5805 12359 AB 321	SB001 12357 AB519	\$80H 1235B A\$320
PHENDL 1,2-BICH CORDENZENE BENZOIC ACID MAPHTMALENE 2-HETHYLMAPHTMALENE 2-HETHYLMAPHTMALENE ACENDATHYLENE	228222		# #					99				
MENNYHIRE PHENNYHERE BISCZ-ETHYLETYL PHTMAATE CHTTESE DI-H-GTTY, PHTMAATE	22222		м ж						9	8	8	¥ *
DILUTION FACTOR:		-	<u>-</u>	-	-	-	-	***	-	-	-	_
CHLORDANE	9. °											
NOTES: "BLANK SPACE" K CRIN.		Appendix B Indicates Indicates than the s Contract r	Appendix D lists all of the compounds analyzed for in the samples. Indicates the compound was not detected. Indicates the Mass Spectra data meets identification for the compound detected, but the quantitat than the specified detection limit but greater than zero. Contract required detection limit (multiply by dilution factor to obtain sample detection limit).	of the co nd was not pectra data etection li	pounds an detected. a meets 16 init but g	alyzed for entificati reater tha ply by dil	in the sa on for the A zero. ution fact	mples. compound or to obta	detected, in sample	but the quadraction	antitative limit).	Appendix B lists all of the compounds analyzed for in the samples. Indicates the compound was not detected. Indicates the compound was pertra data meets identification for the compound detected, but the quantitative result is less than the specified detection limit but greater than zero. Contract required detection limit (aultiply by dilution factor to obtain sample detection limit).

TABLE 7 CLP ETTANCTABLE ORGANIC ANALYTICAL RESILIS HUS/FIT APRIL 1905 SAMPLING ROUMB (ppb) PASE TWO

SANS SC TRAFF	SAMPLE LOCATIONS SAMPLE NUMBER TRAFFIC REPORT NAMBER SERVERATILE COMPONINS	ă	12411 12411 1835	\$818 12412 A8388	SB3 12479 ABS38	583 12480 88539	5845 12410 AB387	586A 12409 AB386	60-15 12456 ABS28	60-18 12458 AB530	GB-10B 12457 ABS29	64-35 12653 A5531	64-30 12454 ABS 32	
1,24	PHENDA 1,2-DICHLOROBENZENE NEWZOIC ACID NAPVITNALENE	22825						2.5 K						
i Sari	ACEMANTHENE ACEMANTHENE PREMATHENE	2222												
F#-10	BISIZ-ETHYLKETYLI PHTIAKATE CHAYSENS BI-H-DCTYL PHTIAKATE	2222			±					2	u		5 .	
1	BILUTION FACTOR:		-	-	-	-		-			-	-	-	
PE31	PESTICIDE CONPOUND													
	CHLORBANE	0.20												
MOTES:	"HLARK SPACE"		Appendix Indicates Indicates	Appendix D lists all of the compounds analyzed for in the samples. Indicates the compound was not detected. Indicates the Mass Spectra data meets identification for the companion to the compani	of the comments and the comments and the comments of the comme	papounds at detected to meets in	nalyzed for	r in the s ion for th	angles.	detected,	Et cie	neatitativ	Appendix B lists all of the compounds analyzed for in the mamples. Indicates the compound was not detected. Indicates the Compound was not detected. Indicates the Mass Spectra data meets identification for the compound detected, but the quantitative result is loss than the compound detected, but the quantitative result is loss than the compound detected, but the quantitative result is loss than the compound detected, but the quantitative result is loss.	2
	Cak	•	Contract	tion the specific section limit (multiply by dilution factor to obtain sample detection limit).	etection 1	init (mit	iply by di	lution fac	tor to obt	elques ein	detection	lieit).		

TABLE 7 CLP ETTONCTABLE ORGANIC ANALYTICAL RESULTS NUS/FIT APRIL 1905 SANPLING ROUMB (9pb) PAGE THREE

				Appendix D lists all of the compounds analyzed for in the samples. Amadicates the compound was not detected. Amadicates the Rass Aperizate due to quality control review (data validation). Amadicates the Mass Aperiza data meets identification for the compound detected, but the quantitative result is less than the specified detection limit but greater than zero. Contract required detection limit (multiply by dilution factor to obtain sample detection limit).
BLANK 12434 ABS37		-		wantitati limit).
BLANK 12415 AB394		-		but the section
DLANK 12356 AB316		¥ -		ation). detected, aim sample
58-06 12466 AB541		-		data valid e compound tor to obt
SB-04 12484 AB540		-		r in the si l review (ion for th an zero. lution fac
8558-6 12418 A8392		4 K K K K K K K K K K K K K K K K K K K	6.73	ty control entifications present the
BSM-7 12421 AB390				Appendix D lists all of the compounds analyzed for in the samples. Amaticates the compound was not detected. Amatication is approximate due to quality control review (data validation). Amaticates the Mass Spectra data meets identification for the compound detected, but the quantitat than the specified detection limit but greater than zero. Contract required detection limit (multiply by dilution factor to obtain sample detection limit).
BSN-1 12428 AB393		-		of the co und was no roximate de Spectra dal detection i
M-5 12426 AB391		3 -		lists all the compound is appropriately the Mass specified equired 4
64-348 12455 ABS35		230		Appendix D Indicates Gwantitati Indicates than the s
	28		3.	1 1 1
SAMPLE LOCATIONS SAMPLE MANDER TRAFFIC REPORT MANDER	SENIAGENTILE COMPOUNDS	PHEMBL 1,2-BICHLOROBENZENE BENZOIC ACIB MAPHIMALENE ACEMAPHIMALENE ACEMAPHIMALENE FLUDDAMINALENE BIS/2-ETWILMENYENE BI-H-OCTVL PHIMALATE BILUTION FACTOR:	PESTICIDE COMPOUND CHLORDANE	MOTES: *PLANK SPACE* J K K CRDL

					MUS/FIT NA	7 1985 SAM	INGE O LLF KINKLANGE DIGMILL MAKKTILLA. KEDILID MIS/FIT NAY 1985 SAMPLING ROLAM (ppb)				
546	S-48	3	₹%	\$-95 \$-	5	281	95	75.05 75.05	60-15	6 0-18	9

SAMPLE LOCATIONS SAMPLE NUMBER TRAFTC REPORT NUMBER		8448 12734 88797	5648 12733 88788	564H 12737 AB 710	S648 12734 A8769	581H 12745 AB713	5818 12744 AB714	5856 12738 AB711	S85H 12739 A8712	60-15 12727 AB703	60-18 12729 A8705	60-188 12457 A8704
SENIVOLATILE COMPOUNDS	28											
PREMI	2											
1,2-DICHLORDSENZENE	2											
DENZOIC ACID	ŝ											
MAPNITHALENE	2											
2-HETHYLINAPHTHALENE	2											
ACEMPHTHYLENE	2											
ACEMAPHTHEME	2											
PHEMANTHREME	2											
FLUDRANTHEME	2											
DIS12-ETHVLNEIYL! PHIMALATE	9		ş		19 J				19 J			43 J
CHRYSENE	2											
DI-N-DCTYL PUTHALATE	2											
DILUTION FACTOR:		-	-	-	-	_	-	-	-	-	-	-
MOTES:		Ancendir D	Amoendix D lists all of the commonnée analyzed for in the samples.	of the co	sac sponde	ivzed for	in the sa	94 (9				
"BLANK SPACE"		Indicates	Indicates the compound was not detected.	d was not	detected.			į				
•	•	Smant i tati	Beantitation is approximate due to quality control review (data validation).	nisate du	e to qualit	y control	review (da	ita valida	ion).			
CHRIC		Contract r	Contract required detection limit (multiply by dilution factor to obtain sample detection limit).	ection li	nit (multip	ly by dill	ution facto	r to obta	in sample	detection	lieit).	

TABLE 8 CLP ETTRACTABLE ORGANIC ANALYTICAL RESULTS NUS/FIT MAY 1985 SAMPLING ROUND (ppb) PAGE TWO

_	12724 12723	AB702 AB704
3	12725	1 1 2 3 3 3 3 3 3 3 3 3 3
SE-35	12724	AB396
SAMPLE LOCATIONS	SAMPLE NUMBER	TRAFFIC REPORT NUMBER

SAMPLE NUMBER Traffic report number		12724 AB3%	12725	12726 12726 18702
SENIVOLATILE COMPOUNDS	200			
PHENOL	2			
1,2-DICHLOROBENZENE	2			
BENZOIC ACID	8			
MAPHTHALENE	2			
2-RETHYLMAPHTHALENE	9			
ACEMPATHYLEME	2			
ACEMAPHTMENE	2			
PHEMANTHREME	2			
FLUDRANTHEME	2			
DIS(2-ETHYLMETYL) PHTHALATE	2	. 081		3
CHRYSENE	2			1
DI-N-OCTYL PHTMALATE	2			

DILUTION FACTOR:

Appendix D lists all of the compounds analyzed for in the samples.
Indicates the compound was not detected.
Buantitation is approximate due to quality control review (data validation).
Contract required detection limit (multiply by dilution factor to obtain sample detection limit). *BLAMK SPACE* MOTES:

TABLE 9 CLP ETTRACTANLE ONGANIC ANALYTICAL RESULTS NUS/FIT JUNE 1985 SAMPLING ROURS (pp.) PAGE ONE

SAMPLE LOCATIONS		S648	987S	S60H	571B 13289	\$755 13206	5775	57755	578S 13203	581S 13194	581S 13195	581M 13297	
TRAFFIC REPORT MUNICE		NC462	AC 453	AC452	AC445	AC460	AC458	AC459	AC457	VE 44	AC456	AC447	
SENIVOLATILE CONFOUNDS	NE CO			•		•	•		•	1	,		
PRENDL	2												
1,2-BICHLOROBENZENE	9								7 02				
DENZOIC ACID	3					1244 1							
2-methyn maduthan falf	2 9					192.3							
ACEMPHINYLENE	: 2					7							
ACEMPHINEME	=					1 11							
PHENANTHRENE	2					32 J							
FLUDRANTHENE	2					5							
DIS (2-ETHYLMETYL) PHTMALATE	2	•		•		•	•	•	•	•		•	
CHRYSENE	2				3.3 1								
91-N-OCTYL PHTHALATE	2												
BILUTION FACTOR:			-	-	-	-	-	-	_	-	-	-	
MOTES	,	Appendix	beardin P lists all of the compounds analyzed for in the samples.	of the co	ae spunode	alyzed for	in the sa	eples.					
-BLANK SPACE		Indicates	adicates the compound was not detected.	and was not	detected.								
7		Quanti tat	huantitation is approximate due to quality control review (data validation).	Designate de	e to quali	ty control	revies (ata valida	tion).				
•		Value is 1	alse is rejected due to blank contamination identified in quality control review	e to blank	contanina	tion ident	ified in	uality co	trol revie				
CAPL	•	Contract	Contract required detection limit (multiply by dilution factor to obtain sample detection limit).	Hection li	nit (milti	ply by dil	ution fact	or to obta	in samle	detection	lieit).		
•	,	Base/neuti	desc/mentral fraction rejected due to quality control review	m rejected	due to g	ality cont	rol review	_					
_	1	Acid frac	Acid fraction rejected due to quality control review	ed due to	quality co	atrol revi	E						

TABLE 9 CLP Estractable Briganic Analytica, Results Nus/Fit aume 1965 Sampling Round (ppb) Page Tud

SAMPLE LOCATIONS		=	2	2-基	7-33				
SAMPLE NUMBER		13287	1313	13200	13199	13199	13293	13295	
INAFFIC REPORT MANBER		AC448	19k2W	AC456	AC455	_			
SENIVOLATILE COMPOUNDS	*								
PHENOL	2								
1,2-DICALOROBENZENE	2								
DENZOIC ACID	B								
MAPHTHALENE	2								
2-NETHYLMAPHTHM.ENE	2								
ACEMAPHTWYLENE	2								
ACEMAPHTHEME	2								
PVENANTIMENE	2								
FLUDRANTHENE	2								
DIS12-ETHYLMETYL) PHTMM.ATE	2	•	•	•	•	•	Ξ	3	
CHAYSENE	2						1	2	
DI-H-OCTYL PHTHALATE	2								
DILUTION FACTOR:		-	-		-		-	-	
MOTES	٠	Appendix	Appendix D lists all of the compounds analyzed for in the samples.	l of the	spundago:	analyzed (or set	Samples.	
ILAMK SPACE	•	Indicates	indicates the compound was not detected.	und was n	ot detecte				
•	,	Value is	rejected du	m to til	ik contan	nation ide	atified :	a quality Co	Walme is rejected due to blank contamnation identified in quality control review
CRDL		Contract	resurred &	rtection	liest (end	tiely by (ilution f	ictor to ob	Contract required detection limit (aultim) by dilution factor to obtain sample d

Contract required detection limit (multiply by dilution factor to obtain sample detection limit). Base/moutral fraction rejected due to quality control review. Acid fraction rejected due to quality control review.

TABLE 10

GROUND WATER CLP INORGANIC ANALYTICAL RESULTS
NUS/FIT APRIL 1985 SAMPLING ROUND

Sample Location Sample No. Traffic Report N	o .	S79D 12360 MAA215	S80S 12359 MAA214	S80M 12357 MAA212	S80M(Dup.) 12358 MAA213	Blank 12356 MAA21
Inorganic Elements	Detection Limits (ppb)					
Aluminum	1150	-	*	-	*	*
Antimony	50	-	-	-	-	-
Arsenic	6.1	32	-	-	-	-
Barium	78	-	-	-	-	-
Beryllium	1.1	-	-	-	-	-
Cadmium	5.0	-	-	-	-	-
Calcium	1000	41,000	20,000	24,000	24,000	-
Chromium	10	-	-	-	-	-
Cobalt	13	-	-	-	-	-
Copper	25	-	-	-	-	-
Iron	56 2.1	-	6100	-	- 3 . 0	-
Lead	2.1		2.3	- (500		-
Magnesium	720	4,600	5,600	6,500 840	6,800 820	-
Manganese	11	-	430	840	820	-
Mercury	0.20 40	-	-	-	-	-
Nickel		9 900	- 2 100	2 900	4,200	-
Potassium Selenium	890 1.1	8,800	3,100	3,900	4,200	-
Silver	9.4	-	-	-	-	_
Sodium	7.4 750	20,000	61,000	37 , 000	38,000	_
Thallium	7.9	20,000	61,000	<i>J7</i> ,000	<i>7</i> 8,000	_
Tin	7. 9 40	- -	-	- 57J	<u>-</u>	_
Vanadium	40 17	_	_	<i></i>	-	-
Zinc	19	19	19	30	22	_
_ c	* /		• *			

TABLE 10 GROUNDWATER CLP INORGANIC ANALYTICAL RESULTS NUS/FIT APRIL 1985 SAMPLING ROUNDS PAGE TWO

Sample Location Sample No. Traffic Report No.		S68S 12477 MAA219	S68M 12478 MAA220	S71D 12433 MAA216	S74M 12475 MAA218	S83 12479 MAA221	S83(Dup.) 12480 MAA222	GW3S 12453 MAA225	GW3D 12454 MAA226
Inorganic Elements	Detection Limits (ppb)								
Aluminum Antimopy	23	1,000	5,800	2,800	5,900	710	740	41	1 1
Arsenic	. 4	1				1	ı	ı	1
Barium	12	30				30	28	18	15
Beryllium	0.5	1				ı	ı	ı	ŧ
Cadmium	5	•				∞	1	1	•
Calcium	290	37,000				62,000	62,000	53,000	86,000
Chromium	7	7.4				ı	ı	ı	1
Cobalt	7	•				7.4	7.9	ı	ı
Copper	25	*				*	*	*	*
Iron	100	2,900				2,000	2,000	76	98
Lead	2	ı				1	ı	ı	ı
Magnesium	330	8,400				12,000	12,000	19,000	18,000
Mangenese	8	100				740	240	240	ı
Mercury	0.1	1				ı	ı	1	t
Nickel	04	*				*	ı	*	ı
Potassium	470	2,500				4,900	5,100	10,000	3,100
Selenium	2	ı				*	ı	1	ı
Silver	7	1				1	ı	i	•
Sodium .	880	27,000				85,000	88,000	43,000	28,000
Thallium	寸	1				ı	•	ŧ	ı
Tin	36	ı				ı	ı	1	ı
Vanadium	+	11				1	1	1 }	1
Zinc	20	2 6				35	35	23	*

TABLE 10 GROUNDWATER CLP INORGANIC ANALYTICAL RESULTS NUS/FIT APRIL 1985 SAMPLING ROUND PAGE THREE

Sample Location Sample No. Traffic Report No.		GW3DB 12455 MAA227	G0S1S 12456 MAA228	G0S1D 12458 MAA230	G0S1DB 12457 MAA229
Inorganic	Detection				
Elements	Limits (ppb)				
Aluminum	23	-	-	79	47
Antimony	46	-	-	-	-
Arsenic	4	-	-	-	-
Barium	12	-	-	-	21
Beryllium	0.5	-	-	-	-
Cadmium	5	-	-	6.4	-
Calcium	290	63,000	21,000	77,000	36,000
Chromium	4	-	-	-	-
Cobalt	7	-	-	-	-
Copper	25	-	-	-	-
Iron	100	*	*	250	150
Lead	2	-	-	-	-
Magnesium	330	7,700	3,400	6,000	3,700
Mangenese	3	9.3	15	6.6	15
Mercury	0.1	-	-	-	- *
Nickel	40	_	*	*	
Potassium	470	3,300	2,600	1,200	2,100
Selenium	2	-	-	-	-
Silver	4	-	-		22 000
Sodium	880	17,000	24,000	23,000	23,000
Thallium	4	-	-	-	-
Tin	36	-	-	-	-
Vanadium	4	- *	-	- 27	48
Zinc	20	**	22	21	48

⁻ Element is not detected

Quantitation is approximate due to quality control review (data validation).
 Value is rejected due to presence of blank contamination detected below contract required detection limit.

⁻ Value is rejected due to other contractual requirements identified in quality control review.

TABLE 11

GROUNDWATER CLP INORGANIC ANALYTICAL RESULTS NUS/FIT MAY 1985 SAMPLING ROUND

Sample Location Sample No. Traffic Report No.		S64S 12734 MAA410	S64M 12735 MAA411	S64M(Dup) 12737 MAA413	S64D 12736 MAA412	S81M 12745 MAA401	S81D 12744 MAA402	S85S 12738 MAA414	S85M 12739 MAA415
			i .						
Inorganic Elements	Detection Limits (ppb)								
Aluminum	1000	ŧ	*		*	*	•	*	*
Antimony	09	ı	ı		1	1	ı	ı	1
Arsenic	10	ı	ı		1	ı	•	ı	ı
Barium	100	ı	ı		1	ı	ı	ı	1
Beryllium	5	19	٠		25	t	ı	, 16	•
Cadmium	65	*	*		*	*	*	*	*
Calcium	1000	46,400	50,000	50,000	89,000	56,000	24,000	39,000	000,49
Chromium	10	13	92		34	340	ı	ı	1
Cobalt	25	ı	i		1	t	•	,	1
Copper	20	1	ı		•	ı	1	ı	1
Iron	100	380	1000		750	2100	1	140	200
Lead	5	ı	5.4		ı	t	ı	ı	ı
Magnesium	1000	9,100	11,000		12,000	t	3,600	6,100	15,000
Manganese	12	14	41		37	1	20	160	27
Mercury	0.2	ı	1		1	1 ;	1 ;	1 7	ı (
Nickel	12	110	130		100	110	110	96	120
Potassium	2000	4,500	2,400		4,000	3,400	•	9,700	3,300
Selenium	5	•	1		1	•	1	1	ı
Silver	01	•	ı		ı	1	ı	1	•
Sodium	2000	56,000	58,000		33,000	12,000	14,000	47,000	28,000
Thallium	5	1	ŧ		•	ı	ı	ı	ı
Tin	04	1	1		1	1	ı	t	•
Vanadium	04	1	ı		1	1	1 :	1 (1 0
Zinc	15	201	573		973	243	243	27.3	58.1

GROUNDWATER CLP INORGANIC ANALYTICAL RESULTS NUS/FIT MAY 1985 SAMPLING ROUND PAGE TWO TABLE 11

Sample Location Sample No.		GW3S 12724 MAA403	GW3D 12725 MAA404	GW3DB 12726 MAA405	G0S1S 12727 MAA406	G0S1D 12729 MAA408	G0S1DB 12728 MAA407	Blank 12723 MAA409
Inorganic	Detection							
Elements	Limits (ppb)							
Aluminum	1000	1	*	*	1	ı	*	*
Antimony	09	ı	•	ı	1	ı	ı	1
Arsenic	10	ı	1	ı	ı	1	•	ı
Barium	100	i	ı	•	1	1	ι,	ı
Beryllium	5	1	ı	1	ı	1	9	į :
Cadmium	65	*	*	*	*	1	* '	*
Calcium	1000	46,000	71,000	61,000	19,000	37,000	70,000	1
Chromium	10	1	ı	ı	1	ı		•
Cobalt	25	1	1	1	ı	i	ı	1
Copper	20	1	1	ı	ı	1	ı	1
Iron	001	ı	•	t	ı	ı	ı	ı
Lead	ż	•	1	1	1 -	1	1 1	ı
Magnesium	1000	41,000	17,000	2,600	3,100	3,700	2,600	ı
Manganese	12	09#	86	ı	1	ı	1	1
Mercury	0.2	1	0.233	ı	1	1	1	ı
Nickel	12	130	140	110	88	79	87	1
Potassium	2000	7,800	2,600	2,100	2,000	ı	ı	ı
Selenium	5	•	1	ı	t	, ;	1	ı
Silver	10	•	ı	ı	1	13	ı	ŧ
Sodium	2000	41,000	27,000	16,000	24,000	21,000	23,000	1
Thallium	5	•	ı	ı	ı	1	1	ı
Tin	04	ŧ	•	•	1	•	1	ı
Vanadium	04	t	•	1	1	1	1	1
Zinc	15	391	493	i	183	331	591	ı

- Element is not detected

⁻ Quantitation is approximate due to quality control review (data validation). - Value is rejected due to blank contamination identified in quality control review. . n *

TABLE 12 GROUNDWATER CLP INORGANIC ANALYTICAL RESULTS NUS/FIT JUNE 1985 SAMPLING ROUND

Sample Location Sample No. Traffic Report No.		S64D 13207 MAA663	S68S 13188 MAA655	S68M 13187 MAA654	S71D 13289 MAA647	S75S 13206 MAA662	S77S 13204 MAA660	S77SS 13205 MAA661	S78S 13203 MAA659	
Inorganic Elements	Detection Limits (ppb)									1
Aluminum	590	*	*	*	72303	*	*	*	22903	
Antimony	345	*	*	*	ı	*	*	*	*	
Arsenic	15.5	*	*	*	*	163	243	*	*	
Barium	120	*	*	*	2233	*	*	*	*	
Beryllium	9.0	ì	ı	ı	ı	1	ı	ı	1	
Cadmium	1.9	2.0	ı	2.9	5.4	1	1	ı	. 6.5	
Calcium	2560	83900.T	33600J	533003	786003	424003	382003	361003	303001	

Aluminum	590		*			*	*		22903
Antimony	345		*			*	*		*
Arsenic	15.5		*			163	243		*
Barium	120	*	*	*	2233	*	*	*	*
Beryllium	9.0		ı			ı	1		1
Cadmium	1.9		•			ŧ	1		. 6.5
Calcium	2560		33600J			424003	382003		303001
Chromium	2.9		ı			1	1		5.43
Cobalt	3.3		1			ı	8.5		3.7
Copper	22.5		ı			*	*		*
Iron	069		*			174003	17203		22203
Lead	8.5		*			ı	ı		
Magnesium	565		89603			63601	72603		75603
Manganese	15.5		173			87103	38803		28103
Mercury	0.2		ı			0.23	•		0.21
Nickle	5.0		ı			ı	8.6		6.3
Potassium	80		20003			80003	45003		23001
Selenium	4.8		1			ı	•		ı
Silver	3.9		4.23			123	1		7.53
Sodium	3185		279003			143003	627003		279003
Thallium	4. 6		ı			1	9.6		5.8
Tin	7.6		ı			191	ı		ı
Vanadium	3.1		101			8.03	1		9.91
Zinc	475		*			*	*		*

GROUNDWATER CLP INORGANIC ANALYTICAL RESULTS NUS/FIT JUNE 1985 SAMPLING ROUND PAGE TWO TABLE 12

Sample Location Sample No. Traffic Report No.		S81D 13190 MAA664	BW3 13200 MAA658	BSW7 13198 MAA656	BW7 13199 MAA657	Blank 13295 MAA648
Inorganic Elements	Detection Limits (ppb)					
Aluminum	590	*	*	*	*	118
Antimony	345	*	*	*	•	69
Arsenic	15.5	*	ı	*	*	4.0
Barium	120	*	*	*	*	24
Beryllium	9.0	•	ı	ı	1	1
Cadmium	1.9	•	ı	1	5.0	ı
Calcium	2560	213003	262003	271003	314001	512
Chromium	2.9	ı	1	ı	ı	1
Cobalt	3.3	•	•	3.8	12	ı
Copper	22.5	*	*	ı	*	5.9
Iron	069	*	*	35203	164003	138
Lead	8.5	101	ı	173	ı	3.1
Magnesium	565	34003	56203	50803	69203	113
Manganese	15.5	253	5383	5001	7283	3.1
Mercury	0.2	0.5	0.20	ı	1	ı
Nickle	5.0	ı	1	5.4	1	1
Potassium	80	1	23003	43001	40001	1
Selenium	4.8	1	ı	1	1	1
Silver	3.9		8.23	•	ı	1
Sodium	3185	157003	33100J	176003	303001	1
Thallium	4.6	1	ı	1	1	t
Tin	9.7	1	1	193	ı	ı
Vanadium	3.1	3.13	5.93	4.63	1	ı
Zinc	475	*	*	*	*	95

NOTES: "-" - Indicates compound was not detected.

J. Quantitation is approximate due to quality control review (data validation).* - Value is rejected due to blank contamination identified in quality control review.

TABLE 13 THE DISTRIBUTION OF ELEMENTS IN GROUNDWATER FROM THE BEDROCK AND OVERBURDEN AQUIFERS (ppb)

	Bedrock	Overburden
Aluminum (Al)	ND-7,230J	ND-5,900
Antimony (Sb)	ND	ND
Arsenic (As)	ND-32J	ND-24J
Barium (Ba)	ND-223J	ND-96
Beryllium (Be)	ND-25	ND-19
Cadmium (Cd)	ND-6.4	ND-8.0
Calcium (Ca)	21,300J-89,000	19,000-150,000
Chromium (Cr)	ND-34	ND-340
Cobalt (Co)	ND-6.6	ND-23
Copper (Cu)	ND-46J	ND-69
Iron (Fe)	ND-18,200J	ND-25,000
Lead (Pb)	ND-21J	ND-17J
Magnesium (Mg)	3,400-12,400	ND-41,000
Manganese (Mn)	ND-435J	ND-3,880J
Mercury (Hg)	ND-0.5	ND-0.23
Nickel (Ni)	ND-140	ND-130
Potassium (K)	ND-8,800	2,000-7,200
Selenium (Se)	ND	ND
Silver (Ag)	ND-13	ND-13J
Sodium (Na)	14,000-52,000	12,300-85,000
Thallium (Tl)	ND	ND-9.6
Tin (Sn)	ND-40J	ND-57J
Vanadium (V)	ND-16J	ND-27
Zinc (Zn)	ND-97J	22-72

NOTES: ND- Not detected

J - Quantitation approximate
Based on NUS/FIT sampling results conducted in
April, May and June, 1985.

TABLE 14 THE OCURRENCES OF INORGANIC ELEMENTS IN NUS/FIT GROUND WATER SAMPLING ROUNDS

Sampling Round	April 1985	May 1985	June 1985
Element			
Aluminum (A1)	9 occurrences (41-5800 ppb)	ND-Many values rejected due to blank contamination.	2 occurrences (22903, 72303) Many values rejected due to blank contamination.
Antimony (Sb)	ND	ND	Rejected in most samples because of blank contamination.
Arsenic (As)	1 occurrence (32 ppb)	ND	2 occurrences(16J and 24J ppb) Many values rejected due to blank contamination.
Barium (Ba)	9 occurrences (15-96 ppb)	ND (note detection limit of 100 ppb)	I occurrence (223J ppb) Many values rejected to due blank contamination.
Beryllium (Be)	2 occurrences (0.6 ppb)	4 occurrences (6-25 ppb)	ND
Cadmium (Cd)	3 occurrences (5.9-8.0 ppb)	All values rejected due to blank contamination	5 occurrences (2.0-6.5 ppb)
Calcium (Ca)	16 occurrences (20,000- 150,000 ppb)	14 occurrences (19,000- 89,000 ppb)	12 occurrences (21,300J-83,900J ppb)
Chromium (Cr)	3 occurrences (5.7-25 ppb)	5 occurrences (13-340 ppb)	1 occurrence (5.43 ppb)
Cobalt (Co)	3 occurrences (7.4-23 ppb)	ND	5 occurrences (3.7-12 ppb)
Copper (Cu)	2 occurrences (49,69 ppb)	ND	I occurrence (46Jppb) Many values rejected due to blank contamination.
Iron (Fe)	11 occurrences (86-25,000 ppb)	6 occurrences (140-2100 ppb)	7 occurrences (1,560J-18,200J)
Lead (Pb)	2 occurrences (2.3-3.0 ppb)	l occurrence (5.4 ppb)	4 occurrences (10J-21J ppb)A few values rejected due toblank contamination.

TABLE 14
THE OCCURRENCES OF INORGANIC ELEMENTS
IN NUS/FIT GROUND WATER SAMPLING ROUNDS
PAGE TWO

Sampling Round	April 1985	May 1985	June 1985
Element			
Magnesium (Mg)	16 occurrences (3,400-	13 occurrences (3,100-	12 occurrences (2,970J-12,400J ppb)
Manganese (Mn)	24,000 ppb) 14 occurrences (6.6-1700 ppb)	41,000 ppb) 9 occurrences (14-460 ppb)	12 occurrences (173-8,7103 ppb)
Mercury (Hg)	ND	1 occurrence (0.23J)	6 occurrences (0.2-0.5 ppb)
Nickel (Ni)	ND-Some values rejected rejected due to blank contamination.	14 occurrences (79-140 ppb)	4 occurrences (5.4-11 ppb)
Potassium (K)	16 occurrences (1,200-8,800 ppb)	11 occurrences (2,100- 9,700 ppb)	11 occurrences (2,0001-8,0001 ppb)
Selenium (Se)	ND-Some values rejected as a result of quality control review.	QN	. QN
Silver (Ag)	l occurrence (4.4J ppb)	l occurrence (13 ppb)	7 occurrences (4.23-133 ppb)
Sodium (Na)	16 occurrences (1,200- 88,000 ppb)	14 occurrences (12,000- 60,000 ppb)	12 occurrences (14,300J-62,700J ppb)
Thallium (TI)	ND	ND	2 occurrences (5.8, 9.6 ppb)
Tin (Sn)	1 occurrence (573 ppb)	QN	5 occurrences (14J-40J ppb)
Vanadium (V)	4 occurrences (8.2-27 ppb)	ND	10 occurrences (3.1-16 ppb)
Zinc (Zn)	14 occurrences (19-72 ppb)	13 occurrences (183-973 ppb)	All values rejected due to blank contamination.
Total number of sampling locations	16	14	12

NOTES: ND -Element is not detected.

J -Quantitation is approximate due to quality control review (data validation).

TABLE 15

ELEMENT CONCENTRATION IN GROUND WATER (ppb)

Massachusetts Northeast Drainage Basin

	Groundwater*	Range	Area** median	NUS/FIT Data Range
Alumium (Al)				ND 7 2207
Alumium (Al)	-	-	-	ND-7,230J
Antimony (Sb)	-	-	-	ND
Arsenic (As)	-	-	-	ND-32
Barium (Ba)	-	-	-	ND-223J
Beryllium (Be)	-	-	-	ND-25
Cadmium (Cd)	-	-	_	ND-25
Calcium (Ca)	-	4,600-62,000	21,000	19,000-150,000
Chromium (Cr)	_	<u>-</u>	-	ND-340
Cobalt (Co)	-	-	_	ND-23
Copper (Cu)	3.0	ND-900	20	ND-49
Iron (Fe)	- -	ND-72,100	600	ND-25,000
Lead (Pb)	_	-	-	ND-21
Magnesium (Mg)	_	1,800-33,000	4,700	ND-41,000
Manganese (Mn)	15	ND-6,000	110	ND-1,700
Mercury (Hg)	_	-	-	ND-0.5
Nickel (Ni)	1.5	_	_	ND-140
Potassium (K)	-	1,000-6,000	2,200	ND-10,000
Selenium (Se)	0.4	-	2,200	ND
Silver (Ag)	U• T	-	_	ND-13J
Sodium (Na)	-	9 000 100 000	22.000	
	-	9,000-100,000	22,000	12,000-85,000
Thallium (Tl)	-	•	-	ND-9.6
Tin (Sn)	0.09	-	-	ND-57J
Vanadium (V)	2.0	-	-	ND-27
Zinc (Zn)	-	-	-	ND-97

NOTES: J - Quantitation is approximate

- - Value not available

ND- Not detected

* - Information from Geochemistry in Mineral Exploration 2nd Ed. by A.W. Rose, H.E. Hawkes, and J.S. Webb, 1979, Academic Press, N.Y.

** - Information from Delaney; D.F. and F.B. Gay 1980 Hydrology and Water Resources of the Coastal Drainage Basins of Northeastern Massachusetts, from Castle Neck River, Ipswich, to Mystic River, Boston. U.S. Geological Survey Hydrologic Investigations Atlas HA-589.

TABLE 16
ELEMENT CONCENTRATIONS IN SOILS (ppm)

	Typical range in soils*	Regional mean concentration**
Aluminum (Al)	_	30,000
Antimony (Sb)	0.15-1.2	ND
Arsenic (As)	<i>5</i> –10	6.5
Barium (Ba)	100-1000	300
Beryllium (Be)	-	1-1.5
Cadmium (Cd)	0.15-1.0	-
Calcium (Ca)	-	7,900-12,000
Chromium (Cr)	12-100	30
Cobalt (Co)	5-12	7
Copper (Cu)	8-80	15
Iron (Fe)	_	15,000
Lead (Pb)	10-100	ĺ5
Magnesium (Mg)	_	5,000-7,000
Manganese (Mn)	120-1000	700
Mercury (Hg)	0.08-0.15	0.2-5.1
Nickel (Ni)	8-1 <i>5</i>	15
Potassium (K)	_	20,000
Selenium (Se)	0.10-1.0	0.3
Silver (Ag)	0.05-1.0	-
Sodium (Na)	_	10,000
Thallium (Tl)	0.05-1.0	ND
Tin (Sn)	1-8	ND
Vanadium (V)	80-110	70
Zinc (Zn)	12-100	45

NOTES:

- - No value provided
- ND- Not detected
- * Taken from Trace Elements in Soils and Plants by A. Kabata-Pendias and H. Pendias 1984. CRC Press, Boca Raton, Florida.
- ** Taken from Element Concentrations in Soils and Other Surficial Material in the Conterminous United States. U.S. Geological Survey Professional Paper 1270 1984.

CLP INORGANIC ANALYTICAL RESULTS FOR FEDERAL AND STATE DRINKING WATER QUALITY STANDARDS NUS/FIT APRIL 1985 SAMPLING ROUND **TABLE 17**

Sample Location Sample Number Case Number 1623A	·	S22 12481	S68S 12477	S68M 12478	S73S 13082	S73S(Dup) 12474	S73D 12473	S74M 12475	S74D 12476
Inorganic Elements	Detection Limits (ppb)								
Arsenic (As)	3	15	ı	1	ı	20	,1	17	,
Barium (Ba)	-	324	89	15	88	516	105	413	42
Cadmium (Cd)	09	1	ı	1	1	*	,	•	•
Calcium (Ca)	9	45,100	31,900	59,400	60,900	71,900	88,900	135,000	39,100
Chromium (Cr)	215	*	*	•	*	242	*	*	1
Copper (Cu)	165	*	*	*	*	450	*	185	*
Iron (Fe)	2	*	*	*	*	*	*	*	*
Lead (Pb)	1995	ı	1	•	ı	1	ı	ı	1
Manganese (Mn)	_	*	*	*	*	*	*	*	*
Mercury (Hg)	0.2	1	1	1	ı	ı	ı	1	ı
Selenium (Se)	т	1	ı	ı	ı	1	1	ı	ı
Silver (Ag)	091	1	ı	1	•	ı	1	1	1
Sodium (Na)	30	91,400	25,100	28,400	26,600	75,200	16,500	32,200	20,400
Zinc (Zn)	96	183	*	*	*	396	121	215	*

NOTES:

<sup>Indictates the compound was not detected.
Yalue is rejected due to blank contamination identified in quality control review.
** - Value is rejected due to other contractual requirements identified in quality control review.</sup>

CLP INORGANIC ANAL YTICAL RESULTS FOR FEDERAL AND STATE DRINKING WATER QUALITY STANDARDS **NUS/FIT APRIL 1985 SAMPLING ROUND** PAGE TWO TABLE 17

Sample Location Sample Number Case Number 1623A		OW-7 12481	OW-8 12477	OW-19 12478	OW-19A 13082	OW-20 12474	OW-20A 12473	Blank 12475	1
Inorganic Elements	Detection Limits (ppb)								
Arsenic (As)	8	108	ı	i	15	15	342	1	
Barium (Ba)	_	21	5 6	21	21	24	84	13	
Cadmium (Cd)	09	ı	1	ı	ı	ı	1	12	
Calcium (Ca)	9	32,300	129,000	21,500	17,800	46,700	40,900	199	
Chromium (Cr)	215		. 1	1	. 1	. 1	*	43	
Copper (Cu)	165	*	*	*	*	*	*	33	
Iron (Fe)	2	*	*	*	*	*	*	65	
Lead (Pb)	1995	ι	1	1	,	1	1	999	
Manganese (Mn)	-	*	*	*	*	*	*	1.1	
Mercury (Hg)	0.2	ı	ı	1	ı	ı	0.5	ı	
Selenium (Se)	3	•	ı	1	ı	,	ı	1	
Silver (Ag)	160	i	1	1	1	ı	1	32	
Sodium (Na)	30	18,200	28,300	51,900	33,500	22,900	131,000	232	
Zinc (Zn)	96	*	*	357	226	*	123	18	

NOTES:

<sup>Indictates the compound was not detected.
* - Value is rejected due to blank contamination identified in quality control review.
** - Value is rejected due to other contractual requirements identified in quality control review.</sup>

TABLE 18
CLP INORGANIC ANALYTICAL RESULTS FOR FEDERAL AND STATE
DRINKING WATER QUALITY STANDARDS
NUS/FIT JUNE 1985 SAMPLING ROUND

Sample Locations Sample Numbers Case Number 4574		S64S MAA643	S64M S72S MAA644 MAA646	S72S MAA646	S72M MAA645	Blank MAA642	Blank MAA651	
Inorganic Element	Detection Limits (ppb)							
Aluminum	25	•	1	55	27	1	1	
Antimony	31	t	ı	1	•	1	1	
Arsenic	٣		ı	1	•	t	ı	
Barium	12	22	21	104	45	•	i	
Beryllium	0.3	ı	1	ı	ı	f	t	
Cadmium	4	ı	4.4	5.7	ı	1	ı	
Calcium	2780	41,000	51,800	77,800	68,500	556	1 -	
Chromium	7	i	t	ı	ł	ı	ı	
Cobalt	4	1	ı	8.6	1	1	1	
Copper	8		5.6	ı	ı	t	1	
Iron	15	ı	30	4930	6110	•	ı	
Lead	16.5	*	*	*	*	3.5	1	
Magnesium	250	ı	ı	17,200	11,900	ı	ı	
Manganese	25.5	7,300	10,100	5,650	872	ı	5.1	
Mercury	0.1	17	38	ι	t	ı	ı	
Nickel	5	ı	ı	11	•	ı	t	
Potassium	066	5,500	5,530	099,9	5,070	1	ŧ	
Selenium	8	•	1	•	ı	,	ı	
Silver	~	ı	ı	1	ı	ı	1	
Sodium	590	58,9001	63,8003	111,0003	40,4001	1,160	i	
Thallium	3		ı	1	. 1	. 1	1	
Tin	17	ı	•	1	1	1	ı	
Vanadium	7	ı	ı	1	1	ı	ı	
Zinc	590	*	*	*	*	118	1	

NOTES: "-"

Indicates the compound was not detected. Quantitation is approximate due to quality control review (data validation). Value is rejected due to blank contamination identified in quality control review.

CLP INORGANIC ANALYTICAL RESULTS FOR FEDERAL AND STATE DRINKING WATER QUALITY STANDARDS NUS/FIT JUNE 1985 SAMPLING ROUND PAGE TWO TABLE 18

Sample Locations Sample Numbers Case Number 4574		S86S MAA636	S68M MAA635	S76S MAA637	S76M MAA638	S76D MAA639	S78S MAA630	S84S MAA628	S84M MAA627	S84D MAA633	BW-1 MAA629
Inorganic Element	Detection Limits (ppb)										
Aluminum	25	1	1	2880	39	1200	87	27	35	588	i
Antimony	31	ı	ı	1	,	1	•	l	1	1	ı
Arsenic	3	1	1	1	t	1	ı	ı	1	1	•
Barium	12	ı	12	74	23	45	ı	57	ı	28	1
Beryllium	0.3	ì	8.0	ı	ı	1	1	1	ı	ı	ı
Cadmium	*	ı	4.23	6.13	1	373	5.73	ı	ı	5.83	ı
Calcium	280	35,200	52,200	30,300	41,200	99,300	32,200	24,900	20,500	38,000	23,000
Chromium	4	. •	1	43	5.23	5.13	ı	1	1	4.81	ı
Cobalt	4	ı		•	ı	ı	1	ı		t	ı
Copper	15.3	53	5.43	343	*	1323	*	*	*	523	*
Iron	120	*		9723	1333	26503	*	1363	*	1,230J	*
Lead	10.5	7910		123	*	*	,	*	•	*	1
Magnesium	250	1		4590	8,830	8,920	6,420	2,460	4,440	8,330	5,230
Manganese	5	ı	329	443	20	258	2,820	171	129	226	14
Mercury	0.1	1		ı	ı	1	1	1	1	ı	•
Nickel	5	2,440		6.2	6.5	9.7	5.9	ı	ı	ı	5.7
Potassium	066	ı	3,970	8,110	3,250	4,190	2,570	2,590	2,760	3,320	2,120
Selenium	3	ı		1	1	1	ı	ı	1	ŧ	•
Silver	m	32,600	i	ı	4.5	ı	ı	1	ı	ı	,
Sodium	13850	. 1	34,600	30,800	45,700	16,100	29,900	26,100	17,200	17,600	15,900
Thallium	3	•	ı	ı	1	1	ı	ı	ı	1	1
Tin	17	1	1	1	ı	ı	ı	1	1	1	1
Vanadium	4	128	ı	ı	1	1	ı	1	1	í	1
Zinc	2		1	55	4 0 4	743	42	Ż	₹	73	45

Indicates the compound was not detected. 1 = = n * NOTES:

Quantitation is approximate due to quality control review (data validation).

Value is rejected due to the presence of blank contamination detected below CRDL (Contract Required Detection Limit).

TABLE 19
CLP INORGANIC ANALYTICAL RESULTS FOR FEDERAL AND STATE
DRINKING WATER QUALITY STANDARDS
NUS/FIT APRIL AND JUNE, 1985 SAMPLING ROUNDS

Sample Location Sample Number Case Number 1623A		522 12481	S68S 12477	S68M 12478	S68M (Dup) 13082	S73S 12474	S73D 12473	S74M 12475	S74D 12476
	Detection Limit								
Hd	0.01 units	6.23	7.30	7.56	7.51	5,65	6.55	6.73	8.14
MBAS (Surfactants)	0.1 ppm	0.11	ı	ì	1	ı	0.27	ι	ı
Fluoride	0.2 ppm	1	,	ı	1	ı	ı	1	0.276
Nitrate	0.05 ppm	7.20	ı	3.56	3.59	1	1	ı	ı
Sulfate	1.0 ppm	4.79	43.7	56.2	0.09	21.7	27.3	9.64	27.3
Chloride	1.0 ppm	299.0	69.3	98.3	9.98	117.0	330.0	205.0	81.0
Total Dissolved Solids	5.0 ppm	474	182	505	425	201	789	623	461
Langlier Saturation Index (d 25°C	•	-2.4	-1.9	-0.3	-0.2	-2.0	9.0-	0.1	0.3
Color (chloroplatinate units)		0	0	0	0	200	225	0	0
Threshold of Odor Number	-	16	∞	∞	16	7	7	∞	∞
Alkalinity	0.6 ppm	32.4	39.0	101.0	100.0	8.64	190.0	190.0	38.0

NOTES: "-" -Indicates the compound was not detected.

^{* -} Indicates odor was not observed.

TABLE 19 CLP INORGANIC ANALYTICAL RESULTS FOR FEDERAL AND STATE DRINKING WATER QUALITY STANDARDS PAGE TWO

Sample Location Sample Number Case Number 1623A		OW-7 12489	OW-8 12990	OW19 12207	OW19A 12206	OW20 12204	OW20A 12205	Blank 12435
	Detection Limit							
Hd	0.01 units	5.92	7.51	6.75	7.05	86.9	7.14	6.02
MBAS (Surfactants)	0.1 ppm	ı	ı	t	ı	f	ı	t
Fluoride	0.2 ppm	,	ı	0.232	0.624	ı	3.89	ı
Nitrate	0.05 ppm	•	0.89	0.19	i	0.14	ı	ı
Sulfate	1.0 ppm	45.0	65.6	120.0	0.69	61.0	180.0	1
Chloride	1.0 ppm	86.5	139.0	28.4	22.5	26.0	103.0	
Total Dissolved Solids	5.0 ppm	248	562	426	256	339	<i>1</i> 99	01
Langlier Saturation Index (d 25°C	•	-2.0	9. 0	-2.2	-2.1	-0.7	-0.5	7.9-
Color (chloroplatinate units)		20	5	15	30	15	175	0
Threshold of Odor Number	-	7	*	*	7	*	×	*
Alkalinity	0.6 ppm	53.0	181.0	0.64	58.0	85.0	170.0	1.0

NOTES: "-" - Indicates the compound was not detected.

^{* -} Indicates odor was not observed.

TABLE 20
INORGANIC ANALYTICAL RESULTS FOR FEDERAL AND STATE
DRINKING WATER QUALITY STANDARDS
NUS/FIT APRIL AND JUNE, 1985 SAMPLING ROUNDS

Sample Location	2645	W#9S	N898	S68D	S72S	S72M	S76S	S76M	S76D	S78S	\$818	S81M	BW-1	Blank	Blank	Blank	Blank
Sample Number	13184	13294	13188	13187	13298	13299	13193	13191	13192	13203	13194/95	13297	13201	13293	13295	13281	13282
Analysis																	
pH Standard Units	7.9	7.7	7.5	7.8	7.3	7.9	7.8	8. 0	7.8	7.3	6.9/7.5	8.0/9.4	7.6	5.6	5.5	7.0/9.5	7.9
Alkalinity Total (CaCo ₃)	87	23	39	22	102	e0 e0	37	8	8	99	29/31	18	83	3.0	0	13	6.1
Chemical Oxygen Demand	64	9.6	55	36	941	47	33	51	51	84	65/69	61	2	6.1	0	13	6
Hardness $(CaCO_3)$	85	118	95	140	081	163	55	85	155	89	190/225	45	53	•	1	84	120
Calcium (Ca)	煮	47	8 %	2 6	22	65	22	*	19	72	06/92	81	21	0.1	0	61	84
Suspended Solids	123	77	6.0	8	8.0	91	4.0	2.0	12	6.0	16/6.0	9	33	0	0	6.0	8.4
Sulfate (SO_{ψ})	45	42	04	42	31	%	41	45	13	43	30/31	17	35	3.0	0.4	∞	38
Chloride (CI)	001	120	75	95	95	125	04	%	28	43	305/290	42	39	0.1	2.0	40	9
Nitrogen (nitrate)	3.2	8.4	3.4	3.2	0	0	3.3	4.0	9.0	0	1.5/0.6	0.5	1.3	0	0	0.5	1.2
Total Solids	410	094	340	410	850	590	250	350	360	250	1060/810	270	230	20	0	260	230
Total Dissolved Solids	382	458	334	382	842	574	246	348	348	244	1044/804	260	230	20	0	254	224

NOTES: Analysis provided by the Commonwealth of Massachusetts Department of Environmental Quality Engineering Lawrence Experimental Station.

* - Duplicate Samples

All results reported in parts per million (ppm) except pH (standard units).

TABLE 21
MICROBIOLOGICAL ANALYTICAL RESULTS FOR FEDERAL AND STATE
DRINKING WATER QUALITY STANDARDS
NUS/FIT APRIL AND JUNE, 1985 SAMPLING ROUNDS

Sample Location Sample Number	S64S 13184	S64M 13294	S68M 13188	S68D 13187	\$72\$ 13298	S72M 13299	S76S 13193	S76M 13191	S76D 13192	S81S 13194	\$81S 13195	S81M 13287	S81M 13297	S84D 13182	Blank 13293	Blank 13295
Fermentation Tube Method																
Total Coliform (MPN/100 ml)	2.0	4.5	33	7.8	33	23	<2.0	<2.0	<2.0	<2.0	23	<2.0	4.5	13	<2.0	<2.0
Fecal Coliform (MPN/100 ml)	<2.0	<2.0	<2.0	<2.0	33	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Membrane Filter Method																
Coliform (MFC/100 ml)	*	*	*	*	*	*	*	0	*	0	*	*	*	*	ò	0
Fecal (MFC/100 ml)	*	*	*	* .	*	*	*	0	*	0	*	*	*	*	0	0

multitube counts per 100 ml membrane filter count per 100 ml

MPN/100 ml MFC/100 ml

NOTES:

Sample was not analyzed due to high turbidity.

CLP ORGANIC ANALYTICAL RESULTS FOR FEDERAL AND STATE DRINKING WATER QUALITY STANDARDS NUS/FIT APRIL AND JUNE, 1985 SAMPLING ROUNDS

Sample Location Sample Number Case Number 1623A		S22 12481	S68S 12477	S68M 12478	S68M 13082	573S 12474	S73D 12473	S74M 12475	S74D 12476
	30,000								
SDWA Pesticides	Limit (ppb)								
Lindane Endrin	0.004	1 1	i i	1 1	1 1	i i	ıt	1 1	1 1
Methoxychlor Toxaphene	0.25 0.24	1 1	1 1	1 1	I I	1 1	1 1	1 1	1 1
SDWA Herbicides 2,4-D	0.1	1	I	1		1	ı	1	1
2,4,5-TP (Silvex)	0.05	•	i	1	1	1	ŧ	1	i
Dilution Factor		-	I	1	1	-	-	-	-
NOTES: "-" Detection Limit SDWA	1 1 1	Indicates the compound was not detected. Multiply by dilution factor to obtain sample detection limit. Safe Drinking Water Act.	e compour dilution fa ng Water A	nd was no actor to o	t detecte btain san	d. nple detec	tion limit		

TABLE 22
CLP ORGANIC ANALYTICAL RESULTS FOR FEDERAL AND STATE
DRINKING WATER QUALITY STANDARDS
NUS/FIT APRIL AND JUNE, 1985 SAMPLING ROUNDS
PAGE TWO

Sample Location Sample Number Case Number 1623A		OW-7 12489	OW-8 12490	OW19 12207	OW19A 12206	OW 20 12204	OW20A 12205	Blank 12435	1
SDWA Pesticides L	Detection Limit (ppb)								
Lindane Endrin Methoxychlor Toxaphene	0.004 0.006 0.25 0.24	1 1 1 1	1 1 1 1	1 1 t 1	1 1 1 1	1 1 1 1	1 1 1 1	1 1 1 1	
SDWA Herbicides 2,4-D 2,4,5-TP (Silvex) Dilution Factor	0.1							1 1 8	
NOTES: "-" Detection Limit SDWA	1 1 1	Indicates the compound was not detected. Multiply by dilution factor to obtain sample detection limit. Safe Drinking Water Act.	compour dilution fa g Water A	nd was no actor to c Act.	t detecteo obtain sam	d. Iple detec	ction limit.		

SURFACE WATER AND SEDIMENT SAMPLES FROM NUS/FIT INITIAL SAMPLING ROUND **NUS/FIT ANALYTICAL SCREENING RESULTS OF AUGUST, 1984** TABLE 23

SAMPLE NUMBER SAMPLE LOCATION	77570 SW-01	77571 SS-01	77574 SW-02	77575 SW-02	77576 SS-02	77577 SS-02	77572 SW-04	77573 SS-04
Tentative Identification								
trichloroethene	* (*0	* 1	* (1 1	* 0	* 1	1 (
tetrachloroethene	ı	1	1	t	t	ı	ŧ	t
benzene toluene	1 1	1 1	1 1	1 1	1 1	1 I	ı ı	r 1
ethylbenzene	•	ı	ı	•	•	1	ı	ı
m-xylene	1	1	ı	1	1	1	ı	1
o-xylene	1	1	t	1	t	1	`,	1
ppb <10.0 * - not detected								
 D* - Detected, but headspace analysis of soils and sediments can not be quantified. SW - surface water sample SS - sediment sample 	ace analysis of	soils and sec	liments can n	ot be quantif	ied.			

They should not be used as quantitative results. Therefore, all concentrations are given in ranges. In addition, compound identification is tentative in that compounds were identified by comparison of retention time of sample compounds to the retention times of various stressed that the results garnered from this screening technique are qualitative and indicate the presence of contaminant compounds. All samples were screened in-house by NUS chemists utilizing a Photovac 10A10 GC for volatile organic headspace analysis. It should be

SURFACE WATER CLP VOLATILE ORGANIC ANALYTICAL RESULTS NUS/FIT APRIL, MAY, JUNE 1985 SAMPLING ROUNDS

April 1985 Sampling Round

May 1985 Sampling Round

CRD	Sample I wations																
ounds CRDL t 10 10 10 10 10 10 10 1	Sample Locations Sample Number Traffic Report Number		SW-01 12361 AB323	SW-02 12362 AB324	SW-02 12363 AB325	SW-03 12482 AB514	SW-03 12483 AB515	SW-04 12484 AB540	SW-05 12485 AB516	SW-06 12486 AB 54.1	SW-01 12807 AB917	SW-02 12808	SW-03 12809	SW-03 12810	SW-04 12811	SW-05 12812	SW-06 12813
oride 5 6 6 7 1 8 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Volatile Compounds	CRDL										27	VICAN I	VD750	VB721	VB377	AB92
oride 10	Chloromethane	9															
oride 5	romoethane	2 :		ı	ı	,	,	1	,	,	,	ı	,	ı			
oride 66 the 5	i omoetikale	9		•	,	ı	ı	ı	,	,	,	,	! !)	ı	,	
oride 10	ingi Ciuotide	<u>0</u> :		•	ı	,	1	,	1	,	,	, ,	ı	ı	,	ı	1
here 5 he	inordethane	10		ı	ı	1	•	ı	,	ļ	i	1		ı	ı	ı	1
de lio * * * * * * * * * * * * * * * * * * *	lethylene Chloride	٠ •	,	•	,	•		*			1 :	1 :		,	1	,	1
Name S S S S S S S S S	cetone	9	*	*	*	I	ı	ı	ı		*	*	*	*	*	*	*
Percentage State	arbon Disulfide	, r	: 1	•	k	•	í	ı	ı	1	*	,	i	ı	•	*	*
Part	1-Dichloroethene	٧ ٧		ı	ı	,	1	1	1	,	ı	•	ı	,	٠	1	
hane 5	Pichlorothano	٠,		,	•		•	•	•	ı	ı	,	,	ı	1	•	•
hane 5	1-Dichlarie	n 1		ı	,	ı	ı	ı	1	,	ı	1	۱ ۱)	,	ı	ı
thane 5	ans-1,2-Dichloroetnene	<u>٠</u>	,	•	1	,	1	1	ı	•	,		٤ ر	، ٦	ı	ı	1
tethane	morororm 2.5	5		r	,	1	1	,	ı	,)	77	17	ı		1
### 10 * * * * * * * * * * * * * * * * * *	Z-Dichloroethane	~		1	1	1	,	,			ı	ı	ı	•	•	ı	ł
hloride	Butanone	0	*	*	*	,	ı	,	1 1	ı		ı	ı	ı			1
methane 5	1,1-Trichloroethane	٠	2 J	5 J	5.3	٧	4		. •	' 5	' '	' '	t	ı		,	ı
methane 5	arbon Tetrachloride	5		· •) 1	•	•	7	0	6 01	7	3 J	ı	•	3 J	<u>د</u>	7
Indicates compound was not detected.	nyl Acetate	01		•	' 1	1	ı	ı			1	1	ı	•	,	,	•
lorocethane 5	omodichloromethane	· ~	•	,		ı		1	ı		•	,	,	ı	,	•	,
pane	1,2,2-Tetrachloroethane	, e	,	ı ı	ı	ı		•	ı	ı	1		,	•	,	,	•
Particle	2-Dichloropropane	, v		Ì	,	ı	ı	ı	•		,	,	,	ı	,	,	,
e methane 5 26 25	ans=1.3-Dichloropropane	\ (ı	ı	ı	ı	•	,	1		,	,	1	,	,	,	
ethane	ichloroethene	٧ ,		ı	ı		ı	1	ı	1	i	•	•	,	,		
opropane 5	bromochloromethane	٠ ٧		ı	ı	,		ı	•	*	1	1	56	25		٠ (,
opropane 5	2-Trichloroethane	٠, ٧		1	ı	ı		ı	1	,	•	,	۱,	} '	(r	
opropane 5		` '	ı	ı	ı	ı		1	•		,	ı	,	,) :	ı	
tranone 10	1.2 Dichloroproper	~ ·			,	•	,	,	,	1	,	ı	,	ı	ı	ı	ı
tranone 10	Plomothyl visul other	٠ :		ı	ı			ı	•	,	,	ı	,	I 1	,		
tanone 10	ome octubi vinji etner	2 •					•	ŀ	,	ı	,	,	,		,	ı	
tranone 10		<u>،</u>		ı	,	,	ı	1	1	,	1	,	ļ		ı	ı	
ene	Methyl 2 Dentance	2 :			ı		1	,	•	,	ı	,	,		ı		
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5	ilor openzene	^	ı	1	1	,	,	1					ı		ı	ı	
5	hylbenzene	2	1	t	•	,	,	,		1	,	,	,		1		,
	yrene	٠		ı	ı	,	ı		ı	ı	•	ı	,	ı	,	•	•
	tal Xylene	~	,	ı	1	,	۱ ۱	Ì		1	•	ı	1		•	,	ı
l l l l l l l l l l l l l l l l l l l						ı	ļ	,	•	•		1		•	•	,	ı
- Indicates compound was not detected.	lution Factor			-	-	-	_	_	_	_	_	-	-	-	•		
·								•	•		-	-	-	1	_	-	_
	1 1	cates con	v pound v	was not de	stected.	1		;									
		ue is rejec	ted due	to blank	contaming	ation idea	tified in	Value is rejected due to blank contamination identified in an incidentified in a contamination identified in a contamination in the contamination identified in a contamination identified identi									

TABLE 24
SURFACE WATER CLP
VOLATILE ORGANIC ANAL YTICAL RESULTS
NUS/FIT APRIL, MAY, JUNE 1985 SAMPLING ROUNDS
PAGE TWO

June 1985 Sampling Round

Sample Location Sample Number		SW-01	SW-02	SW-03	SW-04 13277	SW-04 13278	SW-05 13279	SW-06 13280
Traffic Report Number		AC234	AC249	AC250	AC251	AC252	AC253	AC254
Volatile Compounds	CRDL							
Chloromethane	01	1		1	,	,	,	,
Bromoethane	2		,	,	1	•	•	1
Vinyl Chloride	2		1	1	•	•		1
Chloroethane	9		•	1	•	٠	,	1
Methylene Chloride	5		*	*	*	*	*	*
Acetone	9			,	•	•	•	1
Carbon Disulfide	· ^	,		•	•	•	,	•
1,1-Dichloroethene	~	٠	•		•	1	•	t
1,1-Dichlorethane	~	,		1	•	•	•	1
trans-1,2-Dichloroethene	~	•	ı	•	,	1	ı	ı
Chloroform	٠,	,	*	*	*	*	*	1
1,2-Dichloroethane	5	•	•	•	,	1	•	1
2-Butanone	9		*	ı	*	*		•
1,1,1-Trichloroethane	~	*		ı	•	1	*	ı
Carbon Tetrachloride	5	•	•	ı	•	,	,	•
Vinyl Acetate	9			•	,	ı	1	1
Bromodichloromethane	5	,	ı		•	•	•	•
1,1,2,2-Tetrachloroethane	2	•	•	,	•	1	•	,
1,2-Dichloropropane	2		,	,	1	1	ı	•
trans-1,3-Dichloropropane	٠	,	ı	•	,		1	1
Trichloroethene	~		ı	•	•	•	•	•
Dibromochloromethane	2		,	•	•		1	1
1, 1, 2-Trichloroethane	2		•	,	,	1	•	ı
Benzene	5		ı	•	1	ı	1	•
cis-1,3-Dichloropropane	~		•	ı	ı	1	1	ı
2-Chloroethyl vinyl ether	9			•	,	•	•	•
Bromoform	~	•	ı	•	,	•		1
2-Hexanone	2	1	•		,	1	1	•
4-Methyl-2-Pentanone	으	•	1	,	,	1	•	•
Tetrachloroethene	~	•		•		,		1
Toluene	~	•		•	•	1	٠	1
Chlorobenzene	~	•	ı	,	1	ı	•	•
Ethylbenzene	~		,	1	•	•	,	1
Styrene	٠		1	1	,	•	ı	•
Total Xylene	~	i	1	1	1	1	ı	•
Dilution Factor			2	~	~	5	5	5

Indicates compound was not detected.
Quantitation is approximate due to quality control review (data validation).
Value is rejected due to blank contamination identified in quality control review.
Contract Required Detection Limit (multipy by dilution factor to obtain sample detection limit). NOTES:

CRDL

TABLE 25 SURFACE WATER CLP INORGANIC ANALYTICAL RESULTS NUS/FIT APRIL, 1985 SAMPLING ROUND

Sample Location	SW04	SW06	Blank
Sample No.	12484	12486	12436
Traffic Report No.	MAA223	MAA224	MAA217

Inorganic Elements	Detection Limits (ug/L)			
Aluminum	23	-	25	-
Antimony	46	-	-	-
Arsenic	4	-	-	-
Barium	12	-	24	-
Beryllium	0.5	-	0.7	-
Cadmium	5	-	6	-
Calcium	290	43,000	39,000	-
Chromium	4	-	4.3	_
Cobalt	7	-	-	-
Copper	25	*	*	4.9
Iron	100	290	340	-
Lead	2	-	-	-
Magnesium	330	8,100	7,400	_
Manganese	3	460	480	-
Mercury	0.1	-	-	-
Nickel	40	-	*	-
Potassium	470	5,700	4,700	-
Selenium	2	-	-	-
Silver	4	-	5.9	-
Sodium	880	70,000	59,000	-
Thallium	4	-	-	-
Tin	36	-	-	-
Vanadium	4	-	-	-
Zinc	20	150	170	7.1

Element is not detected.
 Value is rejected due to presence of blank contamination detected below contract required detection limit.