Section 6

SAMPLES COLLECTED

6.1 DISCRETE SAMPLES

Table 6-1 presents the number of samples collected during SCAQS by parameter and site. Tables 6-2 through 6-7 present summary reports for C_1-C_{10}, SCAQS samples, carbonyl, PM-10, ARB air toxics and Rasmussen air toxics, respectively. Sample identification and any unusual events that might affect the integrity of the samples are documented in these reports. Information on H_2O_2 samples is provided in a separate document (Lin et al., 1988).

Out of 507 scheduled C_1-C_{10} sample collection periods, 507 C_1-C_{10} samples were collected. However, a few samples might have validity problems. On the first sampling day, 19 June, the sampler at Burbank was not connected to the sampling line leading up to the roof. Those samples were thus of indoor rather than ambient air. The first three samples on 27 August (0500, 0700 and 0900) at Claremont were also questionable. The sampling line leading to the roof of the air quality trailer was found on the floor outside the trailer during those sampling periods. Power failure at Long Beach on 25 June interrupted sampling during the 1200 and 1600 sampling periods. In summary, 8 out of 507 samples might have to be invalidated.

A total of 675 sets of SCAQS samples were collected as scheduled. Each set comprised denuder tubes and filters requiring 16 different types of analyses. Several problems with SCAQS samplers that might affect data quality were observed. On 25 June, filter cassettes for Lines 3-12 of the sampler at Anaheim were not connected to the sampling inlet. Power failure at Long Beach on 25 June interrupted sampling for the last three sampling periods (1000-1350, 1400-1750, 1800-0050). On 14 July, the filter cassette for Line 4 at Claremont was not attached to the sampling inlet. On 28 August, the filter cassette for Line 7 at Azusa was not connected to the sampling inlet. On 29 August, the filter cassette for Line 4 at Anaheim was not connected to the sampling inlet. The circuit breaker was tripped at Rubidoux during three sampling periods: 0100-0450 and 0600-0950 on 2 September and 1000-1350 on 10 December and at Downtown Los Angeles during the 0000-0550 sampling period on 11 December. All sampling lines at Rubidoux were affected, but only the first 9 sampling lines at Downtown Los Angeles were affected. On 2 September, the filter cassette for Line 4 at Claremont was not connected to the sampling inlet. In summary, out of a total of 10,800 samples (675 sets of 16 samples), 126 might have validity problems.

TABLE 6-1. Number of samples collected at each site.

Parameter	Site									
	ANA	AZU	BUR	CLA	DLA	HAW	LB	RUB	SNI	TOTAL
C_1-C_{10}	51	33	51	66	69	51	102	51	33	507
SCAQS	85	55	85	55	85	85	85	85	55	675
Carbonyl	51	33	51	66	68	51	102	51	33	506
PM-10	17	--	--	11	--	17	17	--	11	73
ARB-AT	--	--	--	11	17	--	17	10	--	55
RAS-AT	--	--	--	11	15	--	17	11	--	54
PAH	--	--	--	--	--	--	--	--	11	11

TABLE 6-2. Summary report on C_1-C_{10} samples.

C1-C10 Sampler, June 19

	Sampling times					
	0500	0700	0900	1200	1400	1600
site						
ANA						
on time?		no		yes		yes
canister		CQ191		CQ139		CQ138
end press (psi)		18.2		13.0		14.5
comments		<1>				
AZU						
on time?						
canister		CQ194		CQ118		CQ131
end press (psi)						
comments						
BUR						
on time?						
canister		CQ080		CQ077		CQ078
end press (psi)						
comments		<4>		<4>		<4>
CLA						
on time?	no	no	yes	yes	yes	yes
canister	CQ183	CQ185	CQ128	CQ129	CQ182	CQ187
end press (psi)	20.2	21.0	22	20	18	18
comments	<2>	<2>				
DLA						
on time?		no		yes		yes
canister		CQ057		CQ113		CQ111
end press (psi)		17.2		15.2		15.0
comments		<1>				
HAW						
on time?		no		yes		yes
canister		CQ102		CQ103		CQ104
end press (psi)		17.2		17.4		17.0
comments		<3>				
LB						
on time?	no	no	no	yes	no	no
canister	CQ092	CQ091	CQ179	CQ180	CQ177	CQ178
end press (psi)	22.5	17.2	22.0	14.0	5.0	14.3
comments	<2>	<1>	<2>		<3>	<2>
RUB						
on time?		no		no		yes
canister		CQ142		CQ002		CQ096
end press (psi)		13		17.8		15.0
comments		<2>		<2>		
SNI						
on time?		no		no		yes
canister		CQ094		CQ100		CQ101
end press (psi)		20.5		20.0		18.0
comments		<3>		<2>		

COMMENTS:

<1> Canister not started and stopped on time but sample ran for 60 minutes.
<2> Canister ran longer than 60 minutes.
<3> Canister ran less than 60 minutes.
<4> Sampler was drawing air from inside the station; sample invalid.

TABLE 6-2. (continued)

C1-C10 Sampler, June 24

	Sampling times					
	0500	0700	0900	1200	1400	1600
site						
ANA						
on time?		yes		yes		yes
canister		CQ140		CQ075		CQ181
end press (psi)		14.0		12.0		11.8
comments						
AZU						
on time?		yes		yes		yes
canister		CQ130		CQ037		CQ043
end press (psi)		17.2		17.8		15.5
comments						
BUR						
on time?		yes		yes		yes
canister		CQ079		CQ114		CQ055
end press (psi)		18.2		17.2		16.2
comments						
CLA						
on time?	yes	no	yes	yes	yes	yes
canister	CQ188	CQ189	CQ190	CQ005	CQ006	CQ007
end press (psi)	15.5	20.0	15.8	15.8	15.8	13.6
comments		<2>				
DLA						
on time?		yes		no		yes
canister		CQ051		CQ112		CQ016
end press (psi)		16		10.5		10.5
comments				<2>		
HAW						
on time?		no		yes		yes
canister		CQ013		CQ014		CQ015
end press (psi)		16.5		16.0		15.5
comments		<2>				
LB						
on time?	no	no	no	yes	yes	yes
canister	CQ199	CQ200	CQ201	CQ202	CQ203	CQ204
end press (psi)	5.0	6.0	16.0	15.3	13.5	13.5
comments	<2>	<2>	<3>			
RUB						
on time?		yes		yes		yes
canister		CQ049		CQ021		CQ022
end press (psi)		15		16.5		13.6
comments						
SNI						
on time?		no		no		no
canister		CQ099		CQ095		CQ097
end press (psi)		19.5		22.5		19.0
comments		<2>		<2>		<1>

COMMENTS:

<1> Canister not started and stopped on time but sample ran for 60 minutes.
<2> Canister ran longer than 60 minutes.
<3> Canister ran less than 60 minutes.

TABLE 6-2. (continued)

C1-C10 Sampler, June 25

	Sampling times					
	0500	0700	0900	1200	1400	1600
site						
ANA						
on time?		yes		yes		yes
canister		CQ082		CQ090		CQ017
end press (psi)		5.8		16.0		16.0
comments						
AZU						
on time?		yes		no		yes
canister		CQ038		CQ044		CQ211
end press (psi)		12.1		8.5		9.0
comments				<2>		
BUR						
on time?		yes		yes		yes
canister		CQ054		CQ053		CQ219
end press (psi)		8.9		11.1		11.2
comments						
CLA						
on time?	yes	yes	yes	yes	yes	yes
canister	CQ008	CQ068	CQ066	CQ070	CQ071	CQ046
end press (psi)	15.0	11.0	7.5	16.2	13.0	18.0
comments						
DLA						
on time?		yes		no		no
canister		CQ004		CQ031		CQ030
end press (psi)		8.0		11		10.9
comments				<1>		<2>
HAW						
on time?		yes		yes		yes
canister		CQ074		CQ086		CQ087
end press (psi)		4.5		4.0		6.0
comments						
LB						
on time?	no	no	no	no	no	yes
canister	CQ205	CQ206	CQ207	CQ208	CQ209	CQ210
end press (psi)	10	13	13	14	14.3	13.1
comments	<2>	<2>	<2>	<2>,<4>		<3>,<4>
RUB						
on time?		yes		yes		yes
canister		CQ023		CQ024		CQ064
end press (psi)	—	16		15		***
comments						
SNI						
on time?		yes		no		no
canister		CQ098		CQ119		CQ120
end press (psi)		16.0		15.2		16.5
comments				<2>		<2>

COMMENTS:

<1> Canister not started and stopped on time but sample ran for 60 minutes.
<2> Canister ran longer than 60 minutes.
<3> Canister ran less than 60 minutes.
<4> Power failure interrupted sample.
*** End pressure not recorded on data sheet.

TABLE 6-2. (continued)
C1-C10 Sampler, July 13

	Sampling times					
	0500	0700	0900	1200	1400	1600
site						
ANA						
on time?		yes		yes		no
canister		CQ018		CQ019		CQ020
end press (psi)		17.0		13.2		9.2
comments						<2>
AZU						
on time?		yes		yes		yes
canister		CQ212		CQ213		CQ214
end press (psi)		14.4		10.0		13.5
comments						
BUR						
on time?		yes		yes		yes
canister		CQ256		CQ257		CQ258
end press (psi)		10.0		13.2		12.3
comments						
CLA						
on time?	yes	yes	yes	no	yes	yes
canister	CQ047	CQ048	CQ084	CQ083	CQ085	CQ175
end press (psi)	15.0	14.5	13.4	13.0	14.2	***
comments				<3>		
DLA						
on time?		yes		yes		yes
canister		CQ062		CQ073		CQ063
end press (psi)		13.5		14.4		14.5
comments						
HAW						
on time?		yes		yes		yes
canister		CQ232		CQ233		CQ234
end press (psi)		13		9.5		9
comments						
LB						
on time?	no	no	no	no	yes	yes
canister	CQ224	CQ225	CQ226	CQ228	CQ229	CQ230
end press (psi)	6	10	10	10	10	10
comments	<2>	<2>	<2>	<2>		
RUB						
on time?		yes		yes		yes
canister		CQ240		CQ241		CQ244
end press (psi)	—	14		16		10
comments						
SNI						
on time?		yes		yes		yes
canister		CQ123		CQ127		CQ321
end press (psi)		***		12.1		14.5
comments						

COMMENTS:

<1> Canister not started and stopped on time but sample ran for 60 minutes.
<2> Canister ran longer than 60 minutes.
<3> Canister ran less than 60 minutes.
*** Data not recorded on data sheet.

TABLE 6-2. (continued)
C1-C10 Sampler, July 14

	Sampling times					
	0500	0700	0900	1200	1400	1600
site						
ANA						
on time?		yes		yes		yes
canister		CQ280		CQ281		CQ282
end press (psi)		12.0		12.8		12.0
comments						
AZU						
on time?		no		yes		yes
canister		CQ305		CQ306		CQ307
end press (psi)		17.5		14.0		12.0
comments		<1>				
BUR						
on time?		yes		yes		yes
canister		CQ259		CQ252		CQ253
end press (psi)		13.1		12.5		11.4
comments						
CLA						
on time?	no	no	yes	yes	no	yes
canister	CQ273	CQ274	CQ275	CQ272	CQ268	CQ269
end press (psi)	15.0	15.0	12.3	12.0	10.4	11.1
comments	<2>	<2>			<2>	
DLA						
on time?		yes		yes		yes
canister		CQ227		CQ173		CQ174
end press (psi)		14.5		15.2		15.1
comments						
HAW						
on time?		no		yes		yes
canister		CQ235		CQ236		CQ237
end press (psi)		17		10		9
comments		<3>				
LB						
on time?	no	no	no	yes	yes	yes
canister	CQ231	CQ248	CQ249	CQ250	CQ251	CQ260
end press (psi)	18	10	12.3	16.0	16	11.5
comments	<2>	<2>	<2>			
RUB						
on time?		yes		yes		yes
canister		CQ242		CQ243		CQ245
end press (psi)		15		15		16
comments						
SNI						
on time?		yes		yes		yes
canister		CQ319		CQ320		CQ322
end press (psi)		15.0		13.8		15.0
comments						

COMMENTS:

<1> Canister not started and stopped on time but sample ran for 60 minutes.
<2> Canister ran longer than 60 minutes.
<3> Canister ran less than 60 minutes.

TABLE 6-2. (continued)

C1-C10 Sampler, July 15

	Sampling times					
	0500	0700	0900	1200	1400	1600
site						
ANA						
on time?		no		no		yes
canister		CQ283		CQ284		CQ285
end press (psi)		12.0		12.0		11.8
comments		<2>		<2>		
AZU						
on time?		yes		yes		yes
canister		CQ333		CQ334		CQ148
end press (psi)		13.8		10.0		17
comments						
BUR						
on time?		yes		yes		yes
canister		CQ254		CQ255		CQ220
end press (psi)		12.3		12.0		10.9
comments						
CLA						
on time?	yes	yes	yes	yes	yes	yes
canister	CQ271	CQ270	CQ264	CQ265	CQ266	CQ267
end press (psi)	13.2	12.0	15.0	11.3	13.4	12.8
comments						
DLA			at 813 accordi[illegible]			
on time?		yes	no	yes		yes
canister		CQ176	CQ326	CQ076		CQ312
end press (psi)		0	10.5	17.9		10.9
comments			<4>			
HAW						
on time?		no		yes		yes
canister		CQ238		CQ239		CQ089
end press (psi)		11		12		13
comments		<1>				
LB						
on time?	no	no	yes	yes	yes	yes
canister	CQ261	CQ263	CQ296	CQ297	CQ298	CQ299
end press (psi)	14.5	14.9	13.0	14.9	15.4	15.7
comments	<2>	<1>				
RUB						
on time?		yes		yes		yes
canister		CQ246		CQ247		CQ065
end press (psi)		15		10		10
comments						
SNI						
on time?		yes		no		yes
canister		CQ121		CQ418		CQ419
end press (psi)		15.0		12.0		12
comments				<2>		

COMMENTS:

<1> Canister not started and stopped on time but sample ran for 60 minutes.
<2> Canister ran longer than 60 minutes.
<3> Canister ran less than 60 minutes.
<4> This was a test sample that was taken because of previous low end pressure.

TABLE 6-2. (continued)

C1-C10 Sampler, AUGUST 27

	Sampling times					
	0500	0700	0900	1200	1400	1(
site						
ANA						
on time?		yes		yes		yes
canister		CQ286		CQ287		CQ195
end press (psi)		12.5		12.0		14.0
comments						
AZU						
on time?		yes		yes		yes
canister		CQ343		CQ344		CQ375
end press (psi)		17.0		6.0		12.0
comments						
BUR						
on time?		yes		yes		yes
canister		CQ050		CQ416		CQ417
end press (psi)		13 in Hg		8.6		13.8
comments				<2>		
CLA						
on time?	yes	yes	yes	yes	yes	yes
canister	CQ422	CQ423	CQ424	SCQ351	SCQ352	SCQ353
end press (psi)	5.0	15.0	13.8	14.0	11.8	12.5
comments	<3,4,5>	<5>	<5>			
DLA						
on time?		yes		yes		yes
canister		CQ313		CQ314		CQ363
end press (psi)		10.0		17.5		12.0
HAW						
on time?		yes		yes		yes
canister		CQ110		CQ105		CQ215
end press (psi)		12.0		13.0		14.0
comments						
LB						
on time?	no	no	no	yes	yes	yes
canister	CQ424	CQ425	CQ422	CQ421	CQ308	CQ309
end press (psi)	18.5	22.0	14.0	10.0	14.0	10.7
comments	<1>	<3>	<3>			
RUB						
on time?		yes		yes		yes
canister		CQ067		CQ069		CQ081
end press (psi)		9.0		9.0		9.0
comments						
SNI						
on time?		yes		yes		yes
canister		CQ011		CQ217		CQ218
end press (psi)		13.8		12.0		11.0
comments						

COMMENTS:

<1> Canister not started and stopped on time but sample ran for 60 minutes.
<2> Canister ran longer than 60 minutes.
<3> Canister ran less than 60 minutes.
<4> Canister missing metal gasket ring.
<5> Sampler inlet-air line on ground.

TABLE 6-2. (continued)

C1-C10 Sampler, AUGUST 28

	Sampling times					
	0500	0700	0900	1200	1400	1600
site						
ANA						
on time?		yes		yes		yes
canister		CQ196		CQ197		CQ198
end press (psi)		11.8		12.1		12.2
comments						
AZU						
on time?		no		yes		yes
canister		CQ456		CQ377		CQ376
end press (psi)		8.0		12.0		10.0
comments		<1>				
BUR						
on time?		yes		yes		yes
canister		SCQ404		CQ399		SCQ398
end press (psi)		12.0		13.0		11.8
comments						
CLA						
on time?	yes	yes	yes	yes	yes	yes
canister	SCQ354	CQ336	CQ335	CQ337	CQ338	CQ052
end press (psi)	11.5	15.0	12.5	12.2	13.2	13.0
comments						
DLA						
on time?		no		no		no
canister		CQ364		CQ365		CQ366
end press (psi)		10.2		10.0		9.0
comments		<1>		<1>		<1>
HAW						
on time?		yes		yes		yes
canister		CQ216		CQ371		CQ372
end press (psi)		17.0		11.0		11.0
comments						
LB						
on time?	no	no	no	yes	yes	yes
canister	CQ310	CQ311	CQ327	CQ328	CQ329	CQ330
end press (psi)	8.5	10.0	-3 " Hg	11.9	12.0	12.0
comments	<1>	<1>	<1>			
RUB						
on time?		yes		yes		yes
canister		CQ144		CQ192		CQ193
end press (psi)		11.0		13.0		11.0
comments						
SNI						
on time?		yes		yes		yes
canister		CQ152		CQ058		CQ059
end press (psi)		8.0		12.0		15.0
comments						

COMMENT:
<1> Canister ran longer than 60 minutes.

TABLE 6-2. (continued)

C1-C10 Sampler, AUGUST 29

	Sampling times					
	0500	0700	0900	1200	1400	1600
site						
ANA						
on time?		no		no		yes
canister		CQ096		CQ149		CQ150
end press (psi)		12.0		12.0		11.8
comments		<2>		<2>		
AZU						
on time?		yes		no		yes
canister		CQ378		CQ325		CQ324
end press (psi)		12.5		8.0		10.0
comments				<2>		
BUR						
on time?		yes		no		yes
canister		CQ186		CQ221		CQ222
end press (psi)		12.5		11.9		8.3
comments				<1>		
CLA						
on time?	yes	yes	yes	yes	yes	yes
canister	CQ361	SCQ360	SCQ359	CQ362	CQ072	CQ379
end press (psi)	11.0	11.0	10.5	8.9	12.7	13.0
comments						
DLA						
on time?		yes		no		no
canister		CQ400		CQ401		CQ402
end press (psi)		11.5		8.5		10.0
comments				<2>		<2>
HAW						
on time?		yes		yes		no
canister		CQ373		CQ457		CQ458
end press (psi)		12.0		14.0		10.0
comments						<2>
LB						
on time?	no	no	yes	yes	yes	yes
canister	CQ339	CQ340	CQ341	CQ342	CQ367	CQ368
end press (psi)	5.9	10.0	12.8	11.4	10.5	11.0
comments	<2>	<2>				
RUB						
on time?		yes		yes		yes
canister		CQ347		CQ348		CQ349
end press (psi)	--	11.0		12.5		11.5
comments						
SNI						
on time?		yes		yes		yes
canister		CQ060		CQ061		CQ025
end press (psi)		10.0		10.0		9.0
comments						

COMMENTS:

<1> Canister not started and stopped on time but sample ran for 60 minutes.
<2> Canister ran longer than 60 minutes.

TABLE 6-2. (continued)
C1-C10 Sampler, SEPTEMBER 2

	Sampling times					
	0500	0700	0900	1200	1400	1600
site						
ANA						
on time?		yes		no		no
canister		CQ151		CQ077		CQ078
end press (psi)		12.2		11.5		11.8
comments				<2>		<2>
AZU						
on time?		yes		yes		yes
canister		CQ138		CQ139		CQ166
end press (psi)		11.0		14.0		13.0
comments						
BUR						
on time?		yes		yes		yes
canister		CQ453		CQ452		CQ451
end press (psi)		13.0		13.9		11.9
comments						
CLA						
on time?	yes	yes	yes	yes	yes	no
canister	CQ214	CQ261	CQ018	CQ085	CQ292	CQ338
end press (psi)	12.0	10.0	11.8	8.0	11.8	7.0
comments						<3>
DLA						
on time?		yes		yes		yes
canister		CQ403		CQ176		CQ235
end press (psi)		13.8		15.0		10.0
comments						
HAW						
on time?		yes		yes		no
canister		CQ007		CQ055		CQ128
end press (psi)		20.0		0		10.0
comments				<1>		<2>
LB						
on time?	yes	yes	no	yes	yes	yes
canister	CQ189	CQ369	CQ269	CQ275	CQ306	CQ370
end press (psi)	10.0	10.0	13.3	10.0	11.0	14.5
comments			<2>			
RUB						
on time?		yes		yes		yes
canister		CQ350		CQ094		CQ168
end press (psi)	---	17.5		17.0		14.0
comments						
SNI						
on time?		yes		yes		yes
canister		CQ420		CQ026		CQ027
end press (psi)		12.0		11.5		11.0
comments						

COMMENTS:

<1> Canister did not fill properly, was restarted at 1501 and unloaded at 1534 for testing.
<2> Canister ran longer than 60 minutes.
<3> Canister ran less than 60 minutes.

TABLE 6-2. (continued)

C1-C10 Sampler, SEPTEMBER 3

	Sampling times					
	0500	0700	0900	1200	1400	1600
site						
ANA						
on time?		yes		yes		yes
canister		CQ337		CQ057		CQ174
end press (psi)		12.9		11.9		12.0
comments						
AZU						
on time?		yes		yes		yes
canister		CQ155		CQ429		CQ426
end press (psi)		17.0		11.0		11.0
comments						
BUR						
on time?		yes		yes		yes
canister		CQ454		CQ450		CQ253
end press (psi)		11.2		12.6		12.5
comments						
CLA						
on time?	yes	yes	yes	yes	yes	yes
canister	CQ423	CQ336	CQ296	CQ305	CQ062	CQ213
end press (psi)	11.1	11.0	11.2	11.7	11.2	11.1
comments				<1>	<1>	
DLA						
on time?		yes		no		no
canister		CQ225		CQ262		CQ016
end press (psi)		14.0		10.0		9.0
comments				<2>		<2>
HAW						
on time?		yes		yes		yes
canister		CQ177		CQ182		CQ280
end press (psi)		14.0		13.5		14.0
comments						
LB						
on time?	no	yes	no	yes	yes	yes
canister	CQ444	CQ445	CQ446	CQ447	CQ028	CQ093
end press (psi)	15.0	9.0	9.0	11.0	15.0	12.5
comments	<2>		<2>			
RUB						
on time?		no		yes		yes
canister		CQ188		CQ199		CQ430
end press (psi)		18.0		13.5		13.0
comments		<2>				
SNI						
on time?		yes		yes		yes
canister		CQ001		CQ315		CQ316
end press (psi)		11.5		11.2		11.0
comments						

COMMENTS:

<1> Canister not started and stopped on time but sample ran for 60 minutes.
<2> Canister ran longer than 60 minutes.

TABLE 6-2. (continued)

C1-C10 Sampler, Nov. 11

Site	Sampling times 0500	0700	0900	1200	1400	1600
ANA						
on time?		yes		yes		yes
canister		CQ017		CQ021		CQ037
end press (psi)		15.5		13.0		13.75
comments		<1>		<2>		
BUR						
on time?		yes		yes		yes
canister		CQ239		CQ234		CQ236
end press (psi)		13.0		12.0		12.0
comments		<3>				
DLA						
on time?	yes	yes	yes	yes	yes	yes
canister	CQ175	CQ178	CQ184	CQ179	CQ008	CQ038
end press (psi)	6.1	12.0	11.5	14.5	15.75	13.0
comments	<4>					
HAW						
on time?		yes		yes		yes
canister		CQ049		CQ084		CQ099
end press (psi)		22.0		9.0		15.0
comments						
LB						
on time?	yes	yes	yes	yes	yes	yes
canister	CQ281	CQ268	CQ251	CQ272	CQ023	CQ029
end press (psi)	19.2	18.0	7.0	12.5	10.0	13.0
comments						
RUB						
on time?		yes		yes		yes
canister		CQ308		CQ310		CQ311
end press (psi)		25.0		15.0		15.0
comments				<2>		

COMMENTS

<1> sample less than 1 hour
<2> sample more than 1 hour
<3> purge valve opened first ten minutes

TABLE 6-2. (continued)

C1-C10 Sampler, Nov. 12

	Sampling times					
	0500	0700	0900	1200	1400	1600
Site						
ANA						
on time?		yes		yes		yes
canister		CQ043		CQ224		CQ226
end press (psi)		15.0		12.0		15.0
comments						
BUR						
on time?		yes		yes		yes
canister		CQ243		CQ220		CQ230
end press (psi)		14.0		13.0		13.5
comments						
DLA						
on time?	yes	yes	yes	yes	yes	yes
canister	CQ130	CQ173	CQ500	CQ501	CQ502	CQ503
end press (psi)	15.0	13.0	13.0	13.0	13.0	13.5
comments						
HAW						
on time?		yes		yes		yes
canister		CQ112		CQ244		CQ252
end press (psi)		15.0		16.0		15.0
comments						
LB						
on time?	yes	yes	yes	yes	yes	yes
canister	CQ032	CQ035	CQ345	CQ352	CQ424	CQ056
end press (psi)	19.0	15.0	12.0	13.0	12.5	14.0
comments						
RUB						
on time?		yes		yes		yes
canister		CQ282		CQ312		CQ317
end press (psi)		14.0		15.0		15.0
comments						

COMMENTS

TABLE 6-2. (continued)
C1-C10 Sampler, Nov. 13

	Sampling times					
	0500	0700	0900	1200	1400	1600
Site						
ANA						
on time?		yes		yes		yes
canister		CQ258		CQ283		CQ114
end press (psi)		15.5		15.0		15.0
comments						
BUR						
on time?		yes		yes		yes
canister		CQ233		CQ232		CQ259
end press (psi)		14.0		14.0		13.5
comments						
DLA						
on time?	yes	yes	yes	yes	yes	yes
canister	CQ095	CQ115	CQ116	CQ117	CQ148	CQ159
end press (psi)	16.5	12.8	12.5	13.0	14.0	14.0
comments						
HAW						
on time?		yes		yes		yes
canister		CQ256		CQ270		CQ271
end press (psi)		15.0		15.0		15.0
comments						
LB						
on time?	yes	yes	yes	yes	yes	yes
canister	CQ064	CQ073	CQ070	CQ076	CQ079	CQ083
end press (psi)	13.5	13.0	12.5	12.75	12.3	12.5
comments						
RUB						
on time?		yes		yes		yes
canister		CQ307		CQ492		CQ493
end press (psi)		17.0		15.0		15.0
comments						

COMMENTS

TABLE 6-2. (continued)
C1-C10 Sampler, December 3

	Sampling times					
	0500	0700	0900	1200	1400	1600
site						
ANA						
on time?		yes		no		no
canister		CQ227		CQ249		CQ250
end press (psi)		11.5		15		15
comments				<2>		<2>
BUR						
on time?		yes		yes		yes
canister		CQ191		CQ203		CQ208
end press (psi)		14.5		14.5		13.5
comments						
DLA						
on time?	no	no	yes	yes	yes	yes
canister	CQ165	CQ167	CQ101	CQ158	CQ410	CQ054
end press (psi)	15	12.3	11	10	12.1	12
comments	<2>	<2>				
HAW						
on time?		yes		yes		yes
canister		CQ273		CQ274		CQ421
end press (psi)		15		15		15
comments						
LB						
on time?	no	yes	yes	no	yes	yes
canister	CQ034	CQ089	CQ087	CQ123	CQ202	CQ211
end press (psi)	13	11.5	12	12	12.5	12
comments	<2>			<1>		
RUB						
on time?		yes		yes		yes
canister		CQ494		CQ495		CQ323
end press (psi)		15		15		15
comments						

COMMENTS:

<1> Canister not started and stopped on time but sample ran for 60 minutes.
<2> Canister ran longer than 60 minutes.
<3> Canister ran less than 60 minutes.

TABLE 6-2. (continued)
C1-C10 Sampler, December 10

	Sampling times					
	0500	0700	0900	1200	1400	1600
site						
ANA						
on time?		yes		no		no
canister		CQ455		CQ489		CQ490
end press (psi)		15		15		15
comments				<2>		<2>
BUR						
on time?		yes		yes		yes
canister		CQ212		CQ260		CQ264
end press (psi)		13		12.5		12.5
comments						
DLA						
on time?	no	no	yes	yes	yes	yes
canister	CQ142	CQ154	CQ450	CQ097	CQ419	CQ321
end press (psi)	14.7	11.5	12	12	11	13.1
comments	<2>	<2>				
HAW						
on time?		yes		yes		yes
canister		CQ556		CQ346		CQ353
end press (psi)		14		15		15
comments						
LB						
on time?	no	no	no	yes	yes	yes
canister	CQ229	CQ297	CQ299	CQ418	CQ496	CQ497
end press (psi)	13.3	11.0	12.0	12.0	12.0	12.0
comments	<2>	<2>	<2>			
RUB						
on time?		yes		yes		yes
canister		CQ333		CQ336		CQ334
end press (psi)		15		14.9		15
comments						

COMMENTS:

<1> Canister not started and stopped on time but sample ran for 60 minutes.
<2> Canister ran longer than 60 minutes.
<3> Canister ran less than 60 minutes.

TABLE 6-2. (continued)

C1-C10 Sampler, December 11

	Sampling times					
	0500	0700	0900	1200	1400	1600
site						
ANA						
on time?		yes		yes		no
canister		CQ491		CQ285		CQ327
end press (psi)		12		8		10
comments						<2>
BUR						
on time?		yes		yes		yes
canister		CQ266		CQ318		CQ319
end press (psi)		12		14.0		14.0
comments						
DLA						
on time?	no	yes	yes	yes	yes	yes
canister	CQ560	CQ325	SCQ351	CQ522	CQ523	CQ065
end press (psi)	15.3	11.3	13.5	13	12	12
comments	<2>					
HAW						
on time?		no		yes		yes
canister		CQ432		CQ428		CQ431
end press (psi)		12		15		11.8
comments		<1>				
LB						
on time?	yes	yes	yes	yes	yes	yes
canister	CQ498	CQ499	CQ551	CQ552	CQ557	CQ330
end press (psi)	13.3	13.3	13.0	13.5	13.3	13.0
comments						
RUB						
on time?		yes		yes		yes
canister		CQ380		CQ385		CQ412
end press (psi)		15		15		14.9
comments						

COMMENTS:

<1> Canister not started and stopped on time but sample ran for 60 minutes.
<2> Canister ran longer than 60 minutes.
<3> Canister ran less than 60 minutes.

TABLE 6-3. Summary report on SCAQS sampler samples.

SCAQS Sampler, June 19

	Sampling times				
	0100-0550	0600-0950	1000-1350	1400-1750	1800-0050
site					
ANA					
start/stop	0107-0549	0555-1000	1009-1352	1400-1755	1800-0055
run time	281.4	245.5	223.4	236.9	416.0
Tupp. box#	160	155	164	162	154
comments		<1>			
AZU					
start/stop	0100-0557	0601-0952	0956-1402	1406-1748	1752-0102
run time	306.1	229.9	245.8	222.5	430.5
Tupp. box#	027	028	029	030	031
comments	<2>	<2>	<2>	<2>	<2>
BUR					
start/stop	0100-0600	0605-0958	1003-1356	1401-1755	1759-0102
run time	300.9	233.8	232.5	233.9	423.5
Tupp. box#	075	076	077	078	079
comments		<2>,<3>	<3>	<2>	<2>
CLA					
start/stop	0048-0555	0559-1007	1018-1400	1405-1755	1800-0058
run time	306.9	250	216	229	419
Tupp. box#	047	052	051	053	050
comments		<2>	<2>	<2>	<2>
DLA					
start/stop	0050-0553	0559-1002	1006-1359	1403-1758	1801-0055
run time	302.1	242.8	233.2	234.3	414.7
Tupp. box#	064	062	065	069	071
comments		<2>	<2>		
HAW					
start/stop	0055-0555	0600-1005	1020-1407	1415-1750	1755-0054
run time	298.6	246.4	229	214	412.7
Tupp. box#	107	118	109	117	111
comments	<2>				
LB					
start/stop	0055-0554	0600-0955	1005-1351	1402-1755	1807-0105
run time	299.5	227.6	226.3	232.1	418.7
Tupp. box#	153	150	151	144	139
comments					
RUB					
start/stop	0107-0558	0600-1015	1019-1400	1408-1800	1805-0107
run time	291.2	251.3	220.9	231.8	421.0
Tupp. box#	096	099	098	094	095
comments	<2>	<2>,<4>	<2>		<5>
SNI					
start/stop	0100-0600	0605-0958	1000-1355	1400-1757	1803-0055
run time	305.3	232.0	233.1	234.1	411.8
Tupp. box#	123	124	125	126	127
comments	<6>				<1>

COMMENTS:

<1> A filter was sampled upside down.
<2> Some nylon filters had low end flows due to loading.
<3> Filters improperly positioned in cassette.
<4> Pumps shut down during operation.
<5> Heating tube not connected to denuder.
<6> Bad flow due to improperly assembled cassette.

TABLE 6-3. (continued)
SCAQS Sampler, June 24

	Sampling times				
	0100-0550	0600-0950	1000-1350	1400-1750	1800-0050
site					
ANA					
start/stop	0050-0550	0558-0950	0955-1350	1355-1750	1755-0052
run time	299.6	233.4	235.7	233.9	418.7
Tupp. box#	235	236	237	238	239
comments					
AZU					
start/stop	0100-0551	0557-0952	0957-1354	1358-1745	1750-0052
run time	298.6	234.1	237.9	227.6	422.8
Tupp. box#	219	220	221	222	223
comments					
BUR					
start/stop	0055-0556	0601-0954	0958-1355	1359-1752	1757-0058
run time	300.8	232.1	236.2	233.7	421.2
Tupp. box#	171	172	173	174	175
comments				<1>	
CLA					
start/stop	0050-0550	0553-0951	1000-1350	1400-1750	1800-0054
run time	300	239	229.7	229.3	415
Tupp. box#	282	283	284	285	286
comments					
DLA					
start/stop	0051-0551	0556-0951	0956-1353	1357-1753	1756-0053
run time	300.2	235.0	236.5	235.9	417.0
Tupp. box#	203	216	214	202	204
comments					
HAW					
start/stop	0050-0540	0545-0958	1007-1350	1400-1750	1757-0058
run time	288	255	228.2	228.1	422
Tupp. box#	187	188	189	190	191
comments					
LB					
start/stop	0100-0551	0602-0953	1001-1350	1402-1750	1752-0058
run time	291.7	230.5	228.2	227.4	418.1
Tupp. box#	251	252	253	254	255
comments					
RUB					
start/stop	0105-0615	0618-0953	1002-1353	1400-1752	1803-0110
run time	309.6	214.4	231.1	232.1	426.3
Tupp. box#	267	268	269	270	271
comments					<2>
SNI					
start/stop	0050-0550	0555-0952	0958-1358	1400-1754	1759-0100
run time	294.3	240.9	238.7	234.6	421.7
Tupp. box#	299	300	301	302	303
comments					

COMMENTS:

<1> A filter was upside down when sampled on.
<2> Two filters were upside down when sampled on.

TABLE 6-3. (continued)
SCAQS Sampler, June 25

	Sampling times				
	0100-0550	0600-0950	1000-1350	1400-1750	1800-0050
site					
ANA					
start/stop	0055-0550	0556-1000	1005-1347	1355-1750	1755-0055
run time	293.6	246.4	221.9	239.8	421.0
Tupp. box#	240	241	242	243	244
comments		<1>			
AZU					
start/stop	0057-0549	0556-0947	0950-1346	1350-1748	1753-0052
run time	291.8	237.8	232.5	238.1	415.2
Tupp. box#	224	225	226	227	228
comments					
BUR					
start/stop	0100-0601	0604-0953	0957-1355	1359-1754	1758-0058
run time	301.6	227.9	238.0	235.1	420.6
Tupp. box#	176	182	179	177	178
comments					
CLA					
start/stop	0057-0550	0555-0952	1000-1350	1400-1751	1800-0055
run time	291	239	229.4	231.2	413.9
Tupp. box#	288	289	290	291	292
comments					
DLA					
start/stop	0058-0550	0556-0952	0956-1350	1354-1753	1756-0052
run time	292.3	236.4	234.0	239.4	415.7
Tupp. box#	205	206	207	208	209
comments					
HAW					
start/stop	0102-0542	0550-0955	1000-1358	1404-1750	1758-0047
run time	280	248	234.6	226.3	409
Tupp. box#	192	193	194	195	196
comments					
LB					
start/stop	0100-0550	0555-0948	0953-1347	1403-1746	1753-0050
run time	290.0	233.5	219.1	217.2	405.5
Tupp. box#	256	257	258	259	260
comments			<2>	<2>	<2>
RUB					
start/stop	0113-0602	0607-0957	1000-1400	1402-1800	1801-0106
run time	288.6	230.8	235.9	235.1	423.6
Tupp. box#	272	273	274	275	276
comments	<3>				
SNI					
start/stop	0105-0600	0605-0957	1000-1353	1355-1750	1757-0057
run time	292.8	229.6	231.1	231.3	426.4
Tupp. box#	304	305	306	307	308
comments					

COMMENTS:

<1> Filter cassettes not hooked up to sample inlets.
<2> Power failure interrupted sample flow.
<3> Two filters were upside down when sampled on.

TABLE 6-3. (continued)
SCAQS Sampler, July 13

	Sampling times				
	0100-0550	0600-0950	1000-1350	1400-1750	1800-0050
site					
ANA					
start/stop	0055-0551	0554-0950	0955-1346	1350-1750	1755-0052
run time	359.8	236.3	232.0	237.7	418.6
Tupp. box#	157	159	161	163	165
comments					
AZU					
start/stop	0100-0548	0600-0950	0955-1351	1355-1748	1753-0049
run time	297.1	230.9	231	212.7	416.9
Tupp. box#	033	034	035	036	037
comments	<5>			<1>	
BUR					
start/stop	0100-0557	0600-0956	1000-1353	1358-1754	1758-0056
run time	297.0	235.2	233.3	235.4	417.5
Tupp. box#	081	082	083	084	085
comments	<2>			<3>	
CLA					
start/stop	0055-0550	0555-0950	1000-1350	1400-1750	1800-0055
run time	300.5	236.3	230.3	229.6	415.6
Tupp. box#	043	044	045	048	049
comments		<4>	<3>		
DLA					
start/stop	0043-0551	0556-0957	1001-1400	1404-1757	1802-0047
run time	307.3	240.9	238.4	231.8	405.4
Tupp. box#	060	061	063	066	067
comments					
HAW					
start/stop	0057-0556	0600-0958	1005-1355	1402-1752	1807-0056
run time	298	240	230	229	409
Tupp. box#	110	112	113	114	115
comments					
LB					
start/stop	0058-0555	0556-0950	1005-1348	1403-1752	1757-0048
run time	292.1	237.2	225.5	227.4	410.1
Tupp. box#	140	141	142	143	146
comments					
RUB					
start/stop	0105-0605	0609-0955	1000-1359	1400-1758	1801-0109
run time	300.0	228.9	233.9	237.8	428.5
Tupp. box#	091	092	093	100	101
comments					
SNI					
start/stop	0050-0550	0554-0952	0954-1350	1355-1757	1803-0054
run time	303.2	237.2	239.8	235.3	414.5
Tupp. box#	315	316	317	318	319
comments		<6>	<6>	<6>	

COMMENTS:

<1> Sample flow interrupted by SCAQS rewiring.
<2> Heating tube not connected to denuder.
<3> A filter was sampled upside-down.
<4> A filter was loaded off-center; sample not properly collected.
<5> Filters were exposed to smoke due to fire at site.
<6> These runs used the same oxalic acid filter.

TABLE 6-3. (continued)
SCAQS Sampler, July 14

	Sampling times				
	0100-0550	0600-0950	1000-1350	1400-1750	1800-0050
site					
ANA					
start/stop	0055-0553	0558-0953	0957-1350	1355-1748	1753-0055
run time	299.0	234.3	232.2	232.2	424.1
Tupp. box#	166	167	168	169	360
comments					
AZU					
start/stop	0058-0548	0559-0946	0950-1347	1352-1744	1748-0048
run time	290.8	226.9	232	227	420.2
Tupp. box#	038	039	040	041	342
comments					
BUR					
start/stop	0100-0556	0600-0953	0958-1354	1359-1753	1758-0056
run time	296.9	233.9	235.8	234.1	418.6
Tupp. box#	086	087	088	089	354
comments					
CLA					
start/stop	0100-0550	0555-0951	1000-1350	1400-1750	1800-0050
run time	288.6	236.3	229.9	230.0	410.1
Tupp. box#	054	055	056	057	330
comments		<1>	<2>		
DLA					
start/stop	0051-0551	0556-0955	1000-1355	1400-1751	1759-0049
run time	300.6	238.1	235.5	229.7	410.8
Tupp. box#	068	070	072	073	378
comments					<3>
HAW					
start/stop	0100-0558	0602-0956	1004-1354	1402-1755	1803-0053
run time	299	234	229.9	233.2	411
Tupp. box#	116	119	120	121	372
comments					
LB					
start/stop	0054-0548	0555-0950	1002-1350	1402-1755	1803-0048
run time	293.9	232.7	225.6	233.1	405.6
Tupp. box#	147	148	149	152	366
comments					
RUB					
start/stop	0113-0602	0606-0955	0957-1356	1405-1756	1759-0107
run time	289.2	228.5	237.5	231.2	428.8
Tupp. box#	102	103	104	105	348
comments					
SNI					
start/stop	0058-0557	0602-1000	1004-1352	1355-1751	1755-0103
run time	294.6	240.4	228.0	236.1	427.3
Tupp. box#	320	321	322	323	324
comments	<4>	<5>	<5>	<5>	

COMMENTS:

<1> Door of SCAQS was left open, cassettes were all in direct sunlight.
<2> One cassette was not attached to the sample inlet.
<3> A filter was badly torn during sampling.
<4> This run continued sampling oxalic acid filter from 7/13 1800-0050 run.
<5> These runs used the same oxalic acid filter.

TABLE 6-3. (continued)
SCAQS Sampler, July 15

	Sampling times				
	0100-0550	0600-0950	1000-1350	1400-1750	1800-0050
site					
ANA					
start/stop	0058-0556	0600-0948	0953-1348	1354-1746	1750-0052
run time	297.0	227.8	234.6	232.7	422.3
Tupp. box#	361	362	363	364	365
comments					
AZU					
start/stop	0058-0548	0559-0947	0951-1347	1350-1743	1747-0049
run time	289.4	227.5	236.3	215.5	423.2
Tupp. box#	343	344	345	346	347
comments					
BUR					
start/stop	0059-0557	0600-0954	0958-1354	1358-1753	1758-0059
run time	298.1	233.9	234.4	234.6	414.7
Tupp. box#	355	356	357	358	359
comments					
CLA					
start/stop	0058-0548	0558-0950	1000-1350	1400-1750	1800-0054
run time	290.5	231.8	230.0	229.8	414.8
Tupp. box#	331	332	333	334	335
comments		<1>			
DLA					
start/stop	0053-0553	0557-0953	1000-1357	1403-1753	1758-0047
run time	299.6	235.2	237.9	230.1	409.3
Tupp. box#	379	380	381	382	383
comments					
HAW					
start/stop	0057-0558	0602-0952	1000-1355	1404-1750	1800-0103
run time	301	229	234	226	424
Tupp. box#	373	374	375	376	377
comments					
LB					
start/stop	0053-0546	0553-0946	0954-1350	1401-1750	1755-0051
run time	292.7	232.4	238.0	226.9	415.7
Tupp. box#	367	368	369	370	371
comments					
RUB					
start/stop	0110-0602	0606-0958	1001-1357	1400-1755	1759-0106
run time	291.6	230.1	235.6	235.2	429.8
Tupp. box#	349	350	351	352	353
comments					
SNI					
start/stop	0107-0555	0602-0955	1000-1354	1357-1754	1759-0100
run time	284.3	235.1	235.2	237.7	416.9
Tupp. box#	325	326	327	328	329
comments	<2>	<3>	<3>	<3>	

COMMENTS:

<1> A filter was loaded off-center; sample not properly collected.
<2> This run continued the oxalic acid filter from 7/14 1800-0050 run.
<3> These runs used the same oxalic acid filter.

TABLE 6-3. (continued)
SCAQS Sampler, AUGUST 27

	Sampling times				
	0100-0550	0600-0950	1000-1350	1400-1750	1800-0050
site					
ANA					
start/stop	0050-0555	0600-0954	1005-1353	1352-1800	1805-0055
run time	309.7	234.91	225.4	242.6	407.80
Tupp. box#	246	247	248	249	428
comments			<1>	<1,2>	<1>
AZU					
start/stop	0100-0559	0600-0956	1001-1358	1402-1758	1800-0055
run time	300.0	235.5	229.0	235.5	408.20
Tupp. box#	230	231	232	233	439
comments					
BUR					
start/stop	0100-0550	0600-0957	1000-1355	1359-1754	1758-0057
run time	298.0	236.0	228.80	234.9	419.80
Tupp. box#	181	183	184	185	487
comments	<2>	<3>	<3>		
CLA					
start/stop	0050-0550	0555-0950	1000-1353	1400-1750	1800-0054
run time	302.2	237.2	233.0	229.0	413.9
Tupp. box#	295	296	297	395	396
comments		<2>			<4>
DLA					
start/stop	0045-0545	0553-0956	1003-1403	1409-1802	1808-0043
run time	303.6	242.8	240.7	233.5	394.2
Tupp. box#	211	213	215	451	452
comments			<3,5>	<3>	
HAW					
start/stop	0050-0548	0559-0958	1005-1355	1403-1750	1804-0050
run time	305.4	237.3	229.3	227.6	456.3
Tupp. box#	463	200	201	197	198
comments			<4>		
LB					
start/stop	0114-0550	0600-0959	0959-1348	1402-1749	1756-0055
run time		230.5		240	416.4
Tupp. box#	262	263	264	265	417
comments	<6,7>		<6>		
RUB					
start/stop	0105-0600	0612-0958	1003-1355	1401-1753	1758-0111
run time	301.0	225.7	232.4	231.9	433.40
Tupp. box#	278	279	280	281	406
comments					
SNI					
start/stop	0100-0555	0600-1000	1000-1350	1400-1800	1800-0100
run time	308.1	228.0	230.7	235.0	419.8
Tupp. box#	310	311	312	313	314
comments					

COMMENTS:
<1> DENUDER INSTALLED UPSIDE DOWN.
<2> FILTER IMPROPERLY INSTALLED.
<3> FILTER CONTAMINATED DURING UNLOADING.
<4> SAMPLE COLLECTED ON TORN FILTER.
<5> FRAGMENTS OF BROKEN DENUDER FOUND ON FILTER SURFACE.
<6> TIMER MALFUNCTION, NO RUN TIME RECORDED.
<7> SAMPLE COLLECTED ON UPSIDE-DOWN FILTER.

TABLE 6-3. (continued)
SCAQS Sampler, AUGUST 28

	Sampling times				
	0100-0550	0600-0950	1000-1350	1400-1750	1800-0050
site					
ANA					
start/stop	0059-0554	0559-0951	0955-1352	1357-1750	1754-0054
run time	295.1	231.30	236.3	232.3	421.90
Tupp. box#	429	430	431	432	433
comments					
AZU					
start/stop	0100-0555	0600-0958	1001-1358	1400-1758	1800-0055
run time	295.5	240.1	234.5	238.6	409.3
Tupp. box#	441	442	443	440	448
comments					<1>
BUR					
start/stop	0101-0557	0600-0956	1001-1356	1400-1755	1758-0050
run time	296.3	238.9	255.1	234.6	417.7
Tupp. box#	488	489	490	491	492
comments		<2>			
CLA					
start/stop	0056-0550	0553-0950	1000-1350	1400-1750	1800-0050
run time	291.2	232.4	230.1	230.0	409
Tupp. box#	397	398	399	400	401
comments		<3>			<4>
DLA					
start/stop	0047-0548	0553-0955	1001-1402	1412-1800	1804-0048
run time	301	242.5	245.3	224.5	401.6
Tupp. box#	453	218	450	454	455
comments					
HAW					
start/stop	0100-0555	0600-0958	1006-1402	1410-1754	1801-0053
run time	296	237.0	196.0	224.0	413.0
Tupp. box#	461	462	464	465	466
comments	<2>				
LB					
start/stop	0100-0550	0600-0948	0958-1349	1355-1750	1758-0050
run time	290.8	228.5	230.0	234.3	412.0
Tupp. box#	418	419	420	421	422
comments				<2>	
RUB					
start/stop	0116-0606	0610-0956	1001-1355	1400-1753	1758-0110
run time	289.8	225.2	233.9	233.9	431.70
Tupp. box#	407	408	409	410	411
comments		<4>			
SNI					
start/stop	0100-0600	0600-1000	1000-1400	1400-1800	1800-0100
run time	290.8	226.0	257.6	224.4	437.7
Tupp. box#	385	386	387	388	389
comments			<2>		

COMMENTS:
<1> FILTER CASSETTE NOT ATTACHED TO AIR INLET.
<2> FILTER CONTAMINATED DURING UNLOADING.
<3> DENUDER NOT CONNECTED.
<4> FILTER IMPROPERLY INSTALLED.

TABLE 6-3. (continued)

SCAQS Sampler, AUGUST 29

	Sampling times				
	0100-0550	0600-0950	1000-1350	1400-1750	1800-0050
site					
ANA					
start/stop	0058-0615	0618-0953	1001-1351	1350-1753	1757-0053
run time	317.0	220.9	230.0	237.1	417.7
Tupp. box#	434	435	436	437	438
comments			<2>	<1>	
AZU					
start/stop	0100-0555	0600-0958	1001-1359	1401-1759	1800-0100
run time	295	236.2	235.8	230.2	423.8
Tupp. box#	446	445	447	449	444
comments	<2>				<5>
BUR					
start/stop	0059-0557	0600-0956	1000-1355	1359-1755	1759-0059
run time	298.4	235.2	234.2	236.8	419.7
Tupp. box#	493	494	495	496	497
comments					
CLA					
start/stop	0100-0550	0558-0950	1000-1351	1400-1750	1800-0055
run time	289.6	232.3	231	230.1	413.8
Tupp. box#	402	403	404	405	611
comments	<2>				
DLA					
start/stop	0053-0545	0556-0952	0957-1400	1406-1752	1756-0046
run time	292.2	225.3	292.1	225.5	407.6
Tupp. box#	456	457	458	459	460
comments					
HAW					
start/stop	0058-0554	0600-0955	1001-1356	1404-1803	1815-0055
run time	275	236	235	240	401
Tupp. box#	467	468	469	470	486
comments	<2>		<6>		
LB					
start/stop	0053-0548	0555-0950	1003-1348	1401-1649	1756-0050
run time	294.6	235.4	222.9	226.4	414.9
Tupp. box#	423	424	425	426	427
comments		<7>	<2>		<2,4>
RUB					
start/stop	0114-0600	0605-0948	0956-1354	1400-1756	1800-0106
run time	286.3	222.7	237.4	236.3	425.9
Tupp. box#	412	413	414	415	416
comments					
SNI					
start/stop	0100-0630	0630-1005	1015-1400	1405-1655	1800-0100
run time	334.7	205.2	211.7	228.7	425.9
Tupp. box#	390	391	392	393	394
comments					<3>

COMMENTS:

<1> FILTER CASSETTE NOT ATTACHED TO AIR INLET.
<2> FILTER CONTAMINATED UPON UNLOADING.
<3> NO TEFLON FILTER COVERING NYLON FILTER.
<4> FILTER IMPROPERLY INSTALLED.
<5> CASSETTE MISSING O-RING.
<6> FILTER CASSETTE NOT PROPERLY INSTALLED.
<7> DENUDER HEATING LINE NOT ATTACHED.

TABLE 6-3. (continued)

SCAQS Sampler, SEPTEMBER 2

	Sampling times				
	0100-0550	0600-0950	1000-1350	1400-1750	1800-0050
site					
ANA					
start/stop	0053-0555	0600-0952	0957-1353	1357-1755	1758-0054
run time	303	231.6	236.3	238.1	417.1
Tupp. box#	472	473	474	475	476
comments					
AZU					
start/stop	0055-0600	0600-1000	1002-1358	1401-1800	1802-0056
run time	307	235.1	234.7	258.3	415.8
Tupp. box#	600	601	602	603	604
comments					
BUR					
start/stop	0051-0556	0600-0955	0959-1356	1400-1754	1758-0055
run time	304	234.4	236.1	235.9	415.3
Tupp. box#	504	505	506	507	508
comments	<1>				
CLA					
start/stop	0100-0550	0600-0955	1000-1353	1400-1754	1758-0050
run time	290.2	234.8	234.2	235.7	412.9
Tupp. box#	520	521	522	523	524
comments	<2,3>	<3>	<1>	<3>	
DLA					
start/stop	0042-0550	0554-0956	0959-1352	1355-1753	1756-0042
run time	307.8	244.7	232.6	237.5	406.7
Tupp. box#	536	537	538	539	540
comments	<4>		<5>		
HAW					
start/stop	0058-0550	0600-0957	1004-1400	1406-1800	1808-0050
run time	292.9	236.1	236.9	233.9	403.2
Tupp. box#	552	553	554	555	556
comments					<3>
LB					
start/stop	0045-0555	0600-0948	0958-1350	1401-1750	1756-0055
run time	305.7	229.5	231.9	228.4	416.6
Tupp. box#	568	569	570	571	572
comments	<4>				
RUB					
start/stop	0103-0610	0628-0953	0959-1352	1357-1753	1757-0108
run time	306.5	204.6	232.8	236	432
Tupp. box#	584	585	586	587	588
comments	<6>	<6>			
SNI					
start/stop	0100-0600	0600-1000	1000-1400	1400-1800	1800-0100
run time	311	225	240	229	420
Tupp. box#	129	130	131	132	133
comments				<7>	<7>

COMMENTS:

<1> FILTER CONTAMINATED UPON UNLOADING.
<2> FILTER CASSETTE IMPROPERLY ATTACHED.
<3> FILTER IMPROPERLY LOADED INTO CASSETTE.
<4> CASSETTE LOADED WITH EXTRA FILTER.
<5> SAMPLE TAKEN ON TORN FILTER.
<6> PUMPS OFF DUE TO CIRCUIT BREAKER SWITCHING OFF.
<7> SEVERE WIND AND DUST STORM.

TABLE 6-3. (continued)

SCAQS Sampler, SEPTEMBER 3

	Sampling times				
	0100-0550	0600-0950	1000-1350	1400-1750	1800-0050
site					
ANA					
start/stop	0058-0615	0620-0952	0955-1350	1354-1748	1751-0055
run time	322.8	205.2	235.1	233.3	424
Tupp. box#	477	478	479	480	481
comments				<1>	<1>
AZU					
start/stop	0100-0545	0600-1003	1005-1358	1400-1758	1802-0100
run time	283.9	239	230.6	237.2	416.7
Tupp. box#	605	606	607	608	502
comments		<2>			
BUR					
start/stop	0059-0555	0559-0955	0959-1354	1358-1754	1758-0055
run time	295	236	235.3	235.5	415.7
Tupp. box#	509	510	511	512	513
comments			<1>		
CLA					
start/stop	0100-0609	0615-0955	1000-1408	1410-1758	1800-0051
run time	308.8	218.7	252.8	223.5	409.5
Tupp. box#	525	526	527	528	529
comments	<1>	<1,3>			
DLA					
start/stop	0048-0550	0555-0950	0954-1354	1358-1750	1754-0048
run time	301.3	233.8	239.8	232.5	415.1
Tupp. box#	541	542	543	544	545
comments		<3>	<1>		
HAW					
start/stop	0100-0550	0600-0956	1004-1358	1405-1800	1807-0050
run time	291.1	233.7	236.2	235.5	403.4
Tupp. box#	557	558	559	560	561
comments	<4>				<2>
LB					
start/stop	0100-0555	0600-0950	1006-1347	1352-1747	1755-0100
run time	292.8	230.9	218.4	233.7	430.5
Tupp. box#	573	574	575	576	577
comments					
RUB					
start/stop	0113-0558	0603-0953	0957-1353	1358-1754	1759-0107
run time	284.9	229.6	236	236.1	427.9
Tupp. box#	589	590	591	592	593
comments				<2>	
SNI					
start/stop	0100-0600	0600-1000	1000-1400	1400-1800	1800-0100
run time	297	235	235	235	415
Tupp. box#	134	135	136	137	336
comments					

COMMENTS:

<1> FILTER CONTAMINATED UPON UNLOADING.

<2> FILTER IMPROPERLY INSTALLED INTO CASSETTE.

<3> DENUDER HEATING LINE NOT ATTACHED.

<4> PARAFILM NOT REMOVED FROM DENUDER ENDS PRIOR TO SAMPLING.

TABLE 6-3. (continued)

SCAQS Sampler, Nov. 11

Sampling times

Site	0000-0550	0600-0950	1000-1350	1400-1750	1800-2350
ANA					
start/stop	0000-0600	0600-1004	1008-1403	1408-1803	1807-2355
run time	354	244	235	235	349
Tupp. box#	618	619	620	621	622
comments		<1>	<2>		
BUR					
start/stop	2358-0557	0602-0958	1002-1354	1358-1753	1757-2351
run time	360	236	230	235	354
Tupp. box#	650	651	652	653	654
comments					
DLA					
start/stop	2357-0556	0600-0954	0957-1350	1356-1754	1800-2358
run time	358	234	232	237	358
Tupp. box#	684	685	686	687	688
comments			<2>	<3>	<2>
HAW					
start/stop	2355-0552	0557-0949	0953-1350	1400-1752	1753-2345
run time	357	231	242	239	345
Tupp. box#	717	718	719	720	721
comments			<4>		
LB					
start/stop	0029-0550	0601-0952	0959-1353	1401-1752	1758-2357
run time	326	231	235	231	358
Tupp. box#	750	751	752	753	754
comments		<4>	<5>		
RUB					
start/stop	0000-0550	0600-0957	1001-1353	1402-1750	1759-2350
run time	350	238	231	228	351
Tupp. box#	530	531	532	533	534
comments			<4>	<4>	<4>

COMMENTS

<1> vehicles parked next to sampler
<2> end flow rates of #2 filters low
<3> filter dropped
<4> filter torn
<5> denuder end cracked

TABLE 6-3. (continued)

SCAQS Sampler, Nov. 12

Sampling times

Site	0000-0550	0600-0950	1000-1350	1400-1750	1800-2350
ANA					
start/stop	0000-0600	0600-1001	1006-1402	1407-1802	1806-2355
run time	355	239	236	234	355
Tupp. box#	623	624	625	626	627
comments		<1>	<1>		
BUR					
start/stop	2357-0558	0601-0952	0958-1355	1359-1755	1759-2354
run time	357	234	236	235	357
Tupp. box#	655	656	657	658	659
comments					<11>
DLA					
start/stop	0002-0558	0601-0952	0956-1351	1354-1751	1755-2356
run time	356	230	235	236	361
Tupp. box#	689	690	691	692	693
comments	<2>,<9>	<2>	<4>,<10>		
HAW					
start/stop	2350-0553	0558-0957	1000-1355	1400-1756	1800-2359
run time	363	237	237	236	364
Tupp. box#	722	723	724	725	726
comments					<8>
LB					
start/stop	0001-0558	0602-0955	1003-1352	1404-1752	1759-2352
run time	357	232	229	228	356
Tupp. box#	755	756	757	758	759
comments	<4>	<4>			<2>
RUB					
start/stop	0000-0550	0600-1000	1005-1400	1405-1758	1801-2350
run time	351	242	236	229	351
Tupp. box#	546	547	548	549	550
comments		<6>	<7>		

COMMENTS

<1> vehicles parked next to sampler
<2> end flow rates of #2 filters low
<4> filter torn
<6> #2 started at 0607
<7> denuder heating line not attached
<8> polycarbonate filter not centered in cassette
<9> start flow rate of #6 polycarbonate low
<10> air inlet line repaired during sampling(#2)
<11> end flow rate of #6 polycarbonate low

TABLE 6-3. (continued)

SCAQS Sampler, Nov. 13

Sampling times

Site	0000-0550	0600-0950	1000-1350	1400-1750	1800-2350
ANA					
start/stop	0003-0555	0603-1002	1007-1402	1407-1800	1805-0000
run time	355	239	235	232	354
Tupp. box#	628	629	630	631	632
comments		<1>	<12>		
BUR					
start/stop	2358-0552	0557-0955	0959-1355	1358-1753	1758-0001
run time	354	236	236	234	369
Tupp. box#	660	661	662	663	665
comments	<11>	<11>	<11>	<11>	<11>
DLA					
start/stop	0000-0555	0559-0951	1003-1353	1358-1750	1753-2359
run time	355	231	230	232	366
Tupp. box#	694	695	696	697	698
comments	<11>	<11>	<4>,<11>		<11>
HAW					
start/stop	0003-0558	0600-0955	1000-1357	1400-1754	1800-0001
run time	357	232	237	235	361
Tupp. box#	727	728	729	730	731
comments	<11>	<11>	<11>		
LB					
start/stop	0000-0556	0559-0953	1007-1352	1402-1753	1759-2357
run time	356	234	224	231	358
Tupp. box#	760	761	762	763	764
comments	<3>				<3>
RUB					
start/stop	0000-0550	0600-0955	1000-1357	1402-1755	1802-2350
run time	350	236	238	236	348
Tupp. box#	562	563	564	565	566
comments	<11>	<11>	<11>	<11>	<11>

COMMENTS

<1> vehicles parked next to sampler
<3> filter dropped
<4> filter torn
<11> end flow rate of #6 polycarbonate low
<12> teflon filter upside-down (#3)

TABLE 6-3. (continued)

SCAQS Sampler, December 3

	Sampling times				
	0000-0550	0600-0950	1000-1350	1400-1750	1800-2350
site					
ANA					
start/stop	0000-0600	0600-1000	1005-1358	1403-1757	1803-0000
run time	363	233	233	235	351
Tupp. box#	634	635	636	637	638
comments		<1>	<1>	<1>	
BUR					
start/stop	2347-0553	0558-0955	0959-1352	1358-1750	1757-0002
run time	366	234	233	233	365
Tupp. box#	666	667	668	669	670
comments	<2>	<1>			
DLA					
start/stop	2355-0559	0603-0952	1002-1354	1359-1755	1800-0000
run time	363	228	232	240	359
Tupp. box#	700	701	702	703	704
comments	<1>	<1>			<1>
HAW					
start/stop	0005-0551	0556-0955	1000-1350	1400-1750	1800-2350
run time	344	243	242	222	357
Tupp. box#	733	734	735	736	737
comments					
LB					
start/stop	0001-0556	0603-0953	1003-1352	1403-1752	1757-0003
run time	355	230	229	229	365
Tupp. box#	338	339	340	341	482
comments	<4>	<1>			<5>
RUB					
start/stop	0000-0552	0600-0955	1000-1352	1400-1756	1800-2351
run time	352	235	232	237	351
Tupp. box#	579	580	581	582	594
comments	<3>				

COMMENTS:

<1> Low end flow on filter #6.
<2> Two filters hed low end flows.
<3> Three filters had low end flows.
<4> Four filters had low end flows.
<5> Three low end flows and three filters that suffered flow-by due to improper placement in cassette.

TABLE 6-3. (continued)

SCAQS Sampler, December 10

	Sampling times				
	0000-0550	0600-0950	1000-1350	1400-1750	1800-2350
site					
ANA					
start/stop	0000-0600	0600-0956	1000-1357	1402-1758	1802-0000
run time	366	229	237	235	353
Tupp. box#	640	641	642	643	644
comments					
BUR					
start/stop	2348-0555	0600-0954	0958-1353	1357-1754	1800-2349
run time	367	232	235	237	352
Tupp. box#	672	673	674	675	676
comments					
DLA					
start/stop	2356-0557	0601-0950	0956-1348	1354-1751	1755-0001
run time	361	228	236	238	366
Tupp. box#	706	707	708	709	710
comments					
HAW					
start/stop	0000-0608	0612-0955	1000-1354	1400-1754	1800-2355
run time	368	215	239	241	358
Tupp. box#	739	740	741	742	743
comments					
LB					
start/stop	2354-0553	0559-0954	1007-1354	1402-1753	1803-2357
run time	360	235	227	231	353
Tupp. box#	484	485	498	499	500
comments					<1>
RUB					
start/stop	0000-0550	0600-0951	1000-1358	1400-1755	1800-2355
run time	350	231	238	234	355
Tupp. box#	596	597	598	609	610
comments			<2>		

COMMENTS:

<1> One filter suffered flow-by due to improper placement in cassette.
<2> Forty-five minute power failure during run.

TABLE 6-3. (continued)

SCAQS Sampler, December 11

	Sampling times				
	0000-0550	0600-0950	1000-1350	1400-1750	1800-2350
site					
ANA					
start/stop	0000-0600	0600-0956	1000-1355	1359-1756	1800-0000
run time	355	235	235	236	355
Tupp. box#	645	646	647	648	649
comments					
BUR					
start/stop	2353-0550	0554-0954	1000-1354	1400-1751	1755-2354
run time	357	238	235	232	359
Tupp. box#	677	678	679	680	681
comments					
DLA					
start/stop	0005-0556	0600-0950	0955-1350	1355-1750	1754-2359
run time	351	230	236	235	365
Tupp. box#	711	712	713	714	715
comments	<1>				
HAW					
start/stop	0002-0558	0602-0958	1000-1355	1400-1758	[illegible]-0000
run time	356	233	243	236	[illegible]
Tupp. box#	744	745	746	747	748
comments					
LB					
start/stop	0000-0550	0557-0953	1003-1352	1402-1753	1759-2359
run time	350	236	229	231	361
Tupp. box#	501	514	515	516	517
comments					
RUB					
start/stop	0000-0550	0600-0950	1000-1358	1405-1750	1800-2351
run time	351	230	238	227	351
Tupp. box#	612	613	614	615	616
comments					

COMMENTS:

<1> Pumps #1 & #2 were not running from approximately 0005 to 0100 due to circuit overload tripping breaker.

TABLE 6-4. Summary report on carbonyl samples.

Carbonyl Sampler, June 19

		Sampling times					
	blank	0500	0700	0900	1200	1400	1600
site							
ANA							
capsule #			193		194		195
dup/blank?	196						
comment							
AZU							
capsule #			205		206		206
dup/blank?	no						
comment							
BUR							
capsule #			225		226		227
dup/blank?	no						
comment							
CLA							
capsule #		190	173	176	177	172	175
dup/blank?	no						
comment							
DLA							
capsule #			237		236		238
dup/blank?	no						
comment							
HAW							
capsule #			250		251		252
dup/blank?	no						
comment							
LB							
capsule #		275	276	277	278	279	280
dup/blank?	281						
comment							
RUB							
capsule #			262		263		264
dup/blank?	no						
comment							
SNI							
capsule #			160		161		162
dup/blank?	no						
comment							

COMMENTS:

TABLE 6-4. (continued)

Carbonyl Sampler, June 24

	Sampling times						
	blank	0500	0700	0900	1200	1400	1600
site							
ANA							
capsule #			367		368		369
dup/blank?	370						
comment							
AZU							
capsule #			378		379		380
dup/blank?	377						
comment							
BUR							
capsule #			393		394		395
dup/blank?	396						
comment							
CLA							
capsule #		427	428	429	430	431	432
dup/blank?	no						
comment						<1>	
DLA							
capsule #			403		404		405
dup/blank?	406						
comment							
HAW							
capsule #			413		414		415
dup/blank?	416						
comment							
LB							
capsule #		447	448	449	450	451	452
dup/blank?	453						
comment		<1>					
RUB							
capsule #			423		424		425
dup/blank?	426						
comment							
SNI							
capsule #			364		365		366
dup/blank?	363						
comment							

COMMENTS:

<1> Sample had to be started manually; not run on schedule.

TABLE 6-4. (continued)
Carbonyl Sampler, June 25

	Sampling times						
	blank	0500	0700	0900	1200	1400	1600
site							
ANA							
capsule #			371		372		373
dup/blank?	no						
comment							
AZU							
capsule #			382		383		384
dup/blank?	no						
comment							
BUR							
capsule #			387		388		389
dup/blank?	no						
comment							
CLA							
capsule #		446	439	441	437	440	445
dup/blank?	no						
comment							
DLA							
capsule #			398		399		400
dup/blank?	no						
comment							
HAW							
capsule #			409		410		411
dup/blank?	no						
comment							
LB							
capsule #		455	456	457	458	459	460
dup/blank?	no						
comment					<1>		<1>
RUB							
capsule #			418		419		420
dup/blank?	no						
comment							
SNI							
capsule #			358		359		360
dup/blank?	no						
comment							

COMMENTS:

<1> Sampling ended early due to power failure.

TABLE 6-4. (continued)

Carbonyl Sampler, July 13

		Sampling times					
	blank	0500	0700	0900	1200	1400	1600
site							
ANA							
capsule #			256		257		258
dup/blank?	no						
comment							<1>
AZU							
capsule #			218		219		220
dup/blank?	217						
comment							
BUR							
capsule #			197		198		199
dup/blank?	200						
comment							
CLA							
capsule #		535	533	537	532	534	536
dup/blank?	530						
comment							
DLA							
capsule #			230		231		232
dup/blank?	229						
comment							
HAW							
capsule #			569		570		571
dup/blank?	no						
comment							
LB							
capsule #		178	179	180	181	182	183
dup/blank?		512					
comment		<2>					
RUB							
capsule #			163		164		165
dup/blank?	no						
comment							
SNI							
capsule #			347		348		349
dup/blank?	no						
comment							

COMMENTS:

<1> Sample started 28 minutes late, ran for 32 min total.
<2> Sampler had to be operated manually; sample started and stopped late

TABLE 6-4. (continued)

Carbonyl Sampler, July 14

	blank	0500	0700	0900	1200	1400	1600
			Sampling times				
site							
ANA							
capsule #			259		260		261
dup/blank?	265						
comment							
AZU							
capsule #			222		223		224
dup/blank?					221		
comment							
BUR							
capsule #			201		202		522
dup/blank?	no						
comment							
CLA							
capsule #		272	528	270	273	288	531
dup/blank?			529				
comment							
DLA							
capsule #			233		234		235
dup/blank?	no						
comment							
HAW							
capsule #			572		573		574
dup/blank?	no						
comment							
LB							
capsule #		184	185	186	187	188	189
dup/blank?	no						
comment							
RUB							
capsule #			166		167		168
dup/blank?							507
comment							
SNI							
capsule #			350		351		352
dup/blank?	353						
comment							

COMMENTS:

TABLE 6-4. (continued)

Carbonyl Sampler, July 15

		Sampling times					
	blank	0500	0700	0900	1200	1400	1600
site							
ANA							
capsule #			266		267		564
dup/blank?	no						
comment							
AZU							
capsule #			227		359		360
dup/blank?	no						
comment							
BUR							
capsule #			204		523		524
dup/blank?	no						
comment							
CLA							
capsule #		539	542	538	269	274	271
dup/blank?	268						
comment							
DLA							
capsule #			239		240		554
dup/blank?	no						
comment							
HAW							
capsule #			575		576		577
dup/blank?	579						
comment							
LB							
capsule #		191	192	518	519	520	521
dup/blank?				513			
comment							
RUB							
capsule #			169		170		171
dup/blank?	508						
comment							
SNI							
capsule #			354		355		356
dup/blank?			553				
comment							

COMMENTS:

TABLE 6-4. (continued)

Carbonyl Sampler, AUGUST 27

	Sampling times						
	blank	0500	0700	0900	1200	1400	1600
site							
ANA							
capsule #			698		699		700
dup/blank?	no						
comment			<1>				
AZU							
capsule #			443		745		747
dup/blank?	750						
comment							
BUR							
capsule #			681		682		683
dup/blank?			680				
comment							
CLA							
capsule #		663	666	662	667	665	664
dup/blank?	no						
comment							
DLA							
capsule #			690		691		692
dup/blank?			689				
comment							
HAW							
capsule #			712		711		710
dup/blank?			708				
comment							
LB							
capsule #		421	435	408	362	376	438
dup/blank?	no						
comment							
RUB							
capsule #			734		735		736
dup/blank?	no						
comment							
SNI							
capsule #			253		254		255
dup/blank?	no						
comment							

COMMENTS:
<1> STARTED LATE.

TABLE 6-4. (continued)

Carbonyl Sampler, AUGUST 28

	Sampling times						
	blank	0500	0700	0900	1200	1400	1600
site							
ANA							
capsule #	-		701		702		703
dup/blank?	no						
comment							
AZU							
capsule #			748		749		818
dup/blank?							840
comment							
BUR							
capsule #			684		685		686
dup/blank?	no						
comment							
CLA							
capsule #		672	671	669	673	668	670
dup/blank?					543		
comment							
DLA							
capsule #			694		695		696
dup/blank?	693						
comment							
HAW							
capsule #			713		714		715
dup/blank?	no						
comment							
LB							
capsule #		361	375	385	386	391	392
dup/blank?	no						
comment							
RUB							
capsule #			737		738		739
dup/blank?	no						
comment							
SNI							
capsule #			549		550		551
dup/blank?	552						
comment							

COMMENTS:

TABLE 6-4. (continued)

Carbonyl Sampler, AUGUST 29

		Sampling times					
	blank	0500	0700	0900	1200	1400	1600
site							
ANA							
capsule #	-		704		705		515
dup/blank?	706						
comment							
AZU							
capsule #			820		913		914
dup/blank?	no						
comment							
BUR							
capsule #			688		525		526
dup/blank?			687				
comment							
CLA							
capsule #		841	817	819	827	826	842
dup/blank?	no						
comment							
DLA							
capsule #			858		860		861
dup/blank?							697
comment							
HAW							
capsule #			885		886		887
dup/blank?	no						
comment							
LB							
capsule #		401	402	407	422	434	442
dup/blank?	514						
comment							
RUB							
capsule #			740		741		742
dup/blank?	no						
comment							
SNI							
capsule #			244		245		246
dup/blank?	247						
comment							

COMMENTS:

TABLE 6-4. (continued)

Carbonyl Sampler, SEPTEMBER 2

	Sampling times						
	blank	0500	0700	0900	1200	1400	1600
site							
ANA							
capsule #			464		465		466
dup/blank?							462
comment							
AZU							
capsule #			915		916		917
dup/blank?	no						
comment							
BUR							
capsule #			924		925		926
dup/blank?					927		
comment							
CLA							
capsule #		964	965	966	967	968	969
dup/blank?	no						
comment							
DLA							
capsule #			862		863		871
dup/blank?	no						
comment							
HAW							
capsule #			709		880		881
dup/blank?	707						
comment							
LB							
capsule #		437	438	439	440	441	442
dup/blank?						443	
comment							
RUB							
capsule #			891		892		893
dup/blank?	no						
comment							
SNI							
capsule #			211		212		213
dup/blank?	no						
comment							

COMMENTS:

TABLE 6-4. (continued)

Carbonyl Sampler, SEPTEMBER 3

		Sampling times					
	blank	0500	0700	0900	1200	1400	1600
site							
ANA							
capsule #			555		556		557
dup/blank?	no						
comment							
AZU							
capsule #			918		919		920
dup/blank?	no						
comment							
BUR							
capsule #			928		929		930
dup/blank?	no						
comment							
CLA							
capsule #		955	956	957	958	959	960
dup/blank?							961
comment							
DLA							
capsule #			872		873		874
dup/blank?	no						
comment							
HAW							
capsule #			882		883		884
dup/blank?	no						
comment							
LB							
capsule #		946	947	948	949	950	951
dup/blank?	no						
comment							
RUB							
capsule #			894		895		896
dup/blank?	509						
comment							
SNI							
capsule #			555		556		557
dup/blank?	no						
comment							

COMMENTS:

TABLE 6-4. (continued)

CARBONYL Sampler, Nov. 11

Sampling times

Site	blank	0500	0700	0900	1200	1400	1600
ANA							
capsule #			1205		1206		1207
dup/blank?	1208						
comments							
BUR							
capsule #			1103		1104		1105
dup/blank?	1102						
comments							
DLA							
capsule #		1175	1176	1177	1178	1198	1199
dup/blank?	1174						
comments				<1>			
HAW							
capsule #			1114		1115		1116
dup/blank?	1117						
comments							
LB							
capsule #		1242	1265	1261	1248	1250	1251
dup/blank?	1241						
comments							
RUB							
capsule #			1151		1152		1153
dup/blank?	1150						
comments							

COMMENTS

<1> no sample taken - chrontrol timer set incorrectly

TABLE 6-4. (continued)

CARBONYL Sampler, Nov. 12

Sampling times

Site	blank	0500	0700	0900	1200	1400	1600
ANA							
capsule #			1209		1210		1211
dup/blank?					1212		
comments							
BUR							
capsule #			1106		1107		1108
dup/blank?					1109		
comments							
DLA							
capsule #		1201	1202	1203	1204	1217	1218
dup/blank?					1200		
comments							
HAW							
capsule #			1120		1119		1118
dup/blank?					1121		
comments							
LB							
capsule #		1258	1257	1256	1255	1260	1259
dup/blank?					1253		
comments			<2>				
RUB							
capsule #			1154		1155		1157
dup/blank?					1156		
comments							

COMMENTS

<2> sample started at 0706 and ended at 0800

TABLE 6-4. (continued)

CARBONYL Sampler, Nov. 13

Sampling times

Site	blank	0500	0700	0900	1200	1400	1600
ANA							
capsule #			1213		1214		1215
dup/blank?							
comments							
BUR							
capsule #			1110		1111		1112
dup/blank?							
comments							
DLA							
capsule #		1219	1220	1221	1222	1223	1224
dup/blank?							
comments							
HAW							
capsule #			1123		1124		1125
dup/blank?							
comments							<3>
LB							
capsule #		1263	1264	1266	1267	1268	1269
dup/blank?							
comments							
RUB							
capsule #			1158		1159		1160
dup/blank?							
comments							

COMMENTS

<3> sample from 1605 to 1705

TABLE 6-4. (continued)
Carbonyl Sampler, December 3

		Sampling times					
	blank	0500	0700	0900	1200	1400	1600
site							
ANA							
capsule #			1229		1230		1231
dup/blank?	no						
comment							
BUR							
capsule #			1113		1162		1163
dup/blank?	no						
comment							
DLA							
capsule #		1225	1226	1227	1228	1291	1292
dup/blank?	no						
comment							
HAW							
capsule #			1138		1139		1140
dup/blank?	no						
comment							
LB							
capsule #		1270	1271	1272	1273	1274	1275
dup/blank?	no						
comment			<1>				
RUB							
capsule #			1126		1127		1128
dup/blank?	no						
comment							

COMMENTS:

<1> Pump was turned on and off manually.

TABLE 6-4. (continued)

Carbonyl Sampler, December 10

				Sampling times			
	blank	0500	0700	0900	1200	1400	1600
site							
ANA							
capsule #			1395		1396		1397
dup/blank?	1398						
comment							
BUR							
capsule #			1164		1165		1166
dup/blank?	1167						
comment							
DLA							
capsule #		1294	1295	1296	1297	1298	1299
dup/blank?	1293						
comment							
HAW							
capsule #			1141		1142		1143
dup/blank?	1144						
comment							
LB							
capsule #		1277	1278	1279	1280	1281	1282
dup/blank?	1276						
comment							
RUB							
capsule #			1129		1130		1131
dup/blank?	1132						
comment	<1>		<1>		<1>		<1>

COMMENTS:

<1> Pump had burned out. Validity of samples questionable.

TABLE 6-4. (continued)
Carbonyl Sampler, December 11

	Sampling times						
site	blank	0500	0700	0900	1200	1400	1600
ANA							
capsule #			1232		1233		1234
dup/blank?					1235		
comment							
BUR							
capsule #			1168		1169		1170
dup/blank?					1171		
comment					<2>		
DLA							
capsule #		1301	1302	1303	1304	1305	1306
dup/blank?					1300		
comment							
HAW							
capsule #			1145		1146		1147
dup/blank?					1148		
comment							
LB							
capsule #		1284	1285	1286	1287	1288	1289
dup/blank?					1283		
comment							
RUB							
capsule #			1133		1134		1135
dup/blank?					1136		
comment	<1>		<1>		<1>		<1>

COMMENTS:

<1> Pump had burned out. Validity of samples questionable.
<2> Possibility that duplicate was improperly taken.

TABLE 6-5. Summary report on PM-10 samples.

PM-10 Sampler

date	site	start	stop	filter #	comment
June 19	ANA	0118	0100	130	
	CLA	0055	0105	190	<1>
	HAW	0100	0100	115	<2>
	LB	0115	0118	215	
	SNI	0100	0110	221	
June 24	ANA	0057	0110	132	
	CLA	0102	0130	191	
	HAW	0103	0110	116	<2>
	LB	0055	0117	206	
	SNI	0100	0040	222	
June 25	ANA	0115	0100	133	
	CLA	0145	0145	192	
	HAW	0114	0105	117	<2>
	LB	0127	0102	207	<3>
	SNI	0056	0053	223	
July 13	ANA	0100	0100	135	
	CLA	0057	0130	193	
	HAW	0056	0047	118	<2>
	LB	0112	0114	208	
	SNI	0045	0040	224	
July 14	ANA	0105	0105	136	
	CLA	0144	0142	194	
	HAW	0047	0042	120	<2>
	LB	0120	0114	209	
	SNI	0040	0046	225	
July 15	ANA	0110	0055	137	
	CLA	0158	0158	195	
	HAW	0047	0042	120	<2>
	LB	0123	0115	210	
	SNI	0100	0042	226	

COMMENTS:

<1> Two gasket screws missing.
<2> Unable to read flow.
<3> Power failure interrupted sample flow.

TABLE 6-5. (continued)

PM-10 Sampler

date	site	start	stop	filter #	comment
August 27	ANA	0100	0106	139	
	CLA	0100	0120	197	
	HAW	0100	0110	121	
	LB	0100	0128	211	
	SNI	0100	0050	234	
August 28	ANA	0110	0105	140	
	CLA	0130	0125	198	
	HAW	0115	0100	122	
	LB	0153	0123	212	
	SNI	0100	0100	233	
August 29	ANA	0110	0056	141	
	CLA	0136	0120	199	
	HAW	0115	0100	123	
	LB	0140	0140	213	
	SNI	0100	0100	232	
September 2	ANA	0100	0105	143	
	CLA	0106	0108	255	
	HAW	0100	0100	265	
	LB	0100	0100	214	
	SNI	0100	0050	231	
September 3	ANA	0110	0100	144	
	CLA	0121	0106	256	
	HAW	0107	0107	266	
	LB	0100	0100	215	
	SNI	0100	0050	230	

COMMENTS:

TABLE 6-5. (continued)

PM-10 Sampler

Date	site	start	stop	filter#	comment
Nov.11	ANA	0000	2345	285	
	HAW	0001	2357	269	
	LB	2353	2330	293	
Nov.12	ANA	0000	2345	286	
	HAW	0001	0010	270	
	LB	2330	2330	294	
Nov.13	ANA	2345	0000	287	
	HAW	0015	0007	271	
	LB	2330	2332	295	

COMMENTS

TABLE 6-5. (continued)

PM-10 Sampler

date	site	start	stop	filter #	comment
December 3	ANA	0000	2345	288	
	HAW	0000	2358	272	<1>
	LB	2345	2345	296	
December 10	ANA	0000	2345	289	
	HAW	0000	0006	273	<1>
	LB	2345	2345	297	
December 11	ANA	0000	2345	290	
	HAW	0006	0000	274	<1>
	LB	2350	2345	298	

COMMENTS:

<1> Sampler did not have chart recorder.

TABLE 6-6. Summary report on ARB air toxics samples.

ARB Air Toxics Sampler

date	site	start	stop	Tedlar bag	comment
June 19	CLA	0100	0138	C-75-I	
	DLA	0205	0135	A-33-I	
	LB	0110	0114	02-Q	
	RUB				<1>
June 24	CLA	0100	0110	A-47-P	
	DLA				<2>
	LB	0120	0137	49-H	
	RUB	0102	0100	B-119-M	
June 25	CLA	0110	0112	B-102-N	
	DLA				<2>
	LB	0138	0018	A-118-O	<3>
	RUB	0103	0102	3-01-N	
July 13	CLA	0100	0115	B-115-N	
	DLA				<2>
	LB	0111	0132	126-B	
	RUB	0101	0102	A-43-J	
July 14	CLA	0115	0120	A-104-J	
	DLA				<2>
	LB	0135	0125	08-K	
	RUB	0104	0102	133-E	
July 15	CLA	0120	0125	A-118-P	
	DLA				<2>
	LB	0128	0121	143-I	
	RUB	0102	0102	A-34-O	

COMMENTS:

<1> No sample taken; could not locate sampler.
<2> Data sheets not available.
<3> Power failure interrupted sample flow.

TABLE 6-6 (continued)

ARB Air Toxics Sampler

date	site	start	stop	Tedlar bag	comment
August 27	CLA	0120	0115	131-J	
	DLA	0104	0112	B-60-D	
	LB	0100	0105	40-A	
	RUB	0101	0103	126-D	
August 28	CLA	0115	0107	A-67-L	
	DLA	0112	0125	143-5	
	LB	0105	0100	86-K	
	RUB	0104	1047	B-45-I	
August 29	CLA	0107	0108	A-47-S	
	DLA	0125	0102	35-B	
	LB	0100	0100	A-52-R	
	RUB	0103	0100	A-34-R	
September 2	CLA	0107	0110	37	
	DLA	0101	0117	3-01-P	
	LB	0100	0100	B-100-A	
	RUB	0100	0102	70	
September 3	CLA	0111	0105	99-B	
	DLA	0117	0102	72	
	LB	0100	1845	93-B	
	RUB	0102	0100	B-106-N	

COMMENTS:

TABLE 6-6. (continued)

ARB AIR TOXICS SAMPLER

Date	site	start	stop	tedlar bag	comment
NOV. 11	DLA	0011	0017	130-K	
	LB	0000	1200	A38-P	<1>
	LB	1200	0000	74-B	
NOV. 12	DLA	0017	0009	72-B	
	LB	0010	1810	A-101-Q	<2>
	LB	1810	0008	A-43-N	
NOV. 13	DLA	0009	0004	96-A	
	LB	0008	0000	93-D	

COMMENTS

<1> sample filled too fast: bag therefore changed
<2> bag changed to coincide with Rasmussen change

TABLE 6-6. (continued)
ARB Air Toxics Sampler

date	site	start	stop	Tedlar bag	comments
December 3	DLA	0004	0004	A-26-Y	
	LB	0000	0005	A-47-U	
December 10	DLA	0006	0010	B-102-U	
	LB	0000	0003	70-B	
December 11	DLA	0010	0003	113-B	
	LB	0003	0000	B-60-R	

TABLE 6-7. Summary report on Rasmussen air toxics sampler.

Rasmussen Air Toxics Sampler

date	site	start	stop	canister	end press	comment
June 19	CLA	0100	0122	WM18	16.2 psi	
	DLA	0122	0119	WM7	10.0 psi	
	LB	0105	0109	WM25	12 psi	
	RUB	0143	0058	WM34	3 " Hg	
June 24	CLA	0100	0103	WM98	10 psi	
	DLA					<1>
	LB	0052	0130	WM3	10.5 psi	
	RUB	0100	0055	WM48	9.0 psi	
June 25	CLA	0107	0107	WM96	2.5 psi	
	DLA					<1>
	LB	0158	0114	WM46	7.2 psi	<2>
	RUB	0059	0059	WM22	8.2 psi	
July 13	CLA	0100	0105	WM74	6.8 " Hg	
	DLA	0101	0059	WM6	12.0 psi	
	LB	0110	0127	WM70	9.9 psi	
	RUB	0100	0100	WM12	9.5 psi	
July 14	CLA	0107	0102	WM33	8.5psi	
	DLA	0100	0100	WM15	~8 psi	
	LB	0130	0132	WM38	7.6 psi	
	RUB	0101	0059	WM13	7.5 psi	
July 15	CLA	0115	0115	WM5	12.2 psi	
	DLA	0102	0100	WM24	9.8 psi	
	LB	0136	0128	WM53	7 psi	
	RUB	0100	0100	WM14	8 " Hg	

COMMENTS:

<1> No sample taken due to faulty sampler.
<2> Power failure interrupted sample flow.

TABLE 6-7 (continued)

Rasmussen Air Toxics Sampler

date	site	start	stop	canister	end press	comment
August 27	CLA	0110	0107	WM99	1.0 psi	
	DLA	0103	0058	WM20	1.5 psi	
	LB	0100	0108	WM4	2.1 psi	
	RUB	0100	0058	WM2	2.0 psi	
August 28	CLA	0112	0101	WM41	18.0 psi	
	DLA	0645	0100	WM23	6.1 psi	<1>
	LB	0113	0113	WM40	0 psi	
	RUB	0102	0100	WM71	12.0 psi	
August 29	CLA	0105	0101	WM31	10.0 psi	
	DLA	0102	0100	WM58	5.1 psi	
	LB	0118	0118	WM56	1.0 psi	
	RUB	0102	0100	WM8	5.0 psi	
September 2	CLA	0127	0131	WM50	17.8 psi	
	DLA	0100	0100	WM42	14.0 psi	
	LB	0100	0100	WM59	5.0 psi	
	RUB	0100	0058	WM54	15.0 psi	
September 3	CLA	0133	0130	WM95	15.8 psi	
	DLA	0101	0100	WM51	9.1 psi	
	LB	0100	01815	WM81	11.5 psi	
	RUB	0100	0100	WM82	16.0 psi	

COMMENTS:

<1> Canister ran less than 24 hours.

TABLE 6-7. (continued)

RASMUSSEN AIR TOXICS SAMPLER

Date	site	start	stop	canister	end press	comment
NOV. 11	**DLA**	0015	0011	WM-55	14.0 psi	<1>
	LB	0000	0102	WM-30		<2>
	LB	0108	0315	WM-36		
	LB	0320	0010	WM-73	17.3 psi	
NOV. 12	**DLA**	0015	0011	WM-37	8.5 psi	<3>
	LB	0010	1800	WM-78	16.0 psi	<4>
NOV. 13	**DLA**	0014	0006	WM-17	7.8 psi	<5>
	LB	0010	0000	WM-21	9.0 psi	

COMMENTS

<1> flow decreased during sampling
<2> canister changed 3 times due to inadequate flow rate
<3> flow increased during sampling
<4> sample run for 18 hours
<5> flow decreased, then increased during sampling

TABLE 6-7. (continued)

Rasmussen Air Toxics Sampler

date	site	start	stop	canister	end press	comment
December 3	DLA	0003	0005	WM44	5.2 psi	<1>
	LB	0008	0004	WM19	9.9 psi	
December 10	DLA	0005	0010	WM45	10 psi	
	LB	0001	0003	WM26	8.5 psi	
December 11	DLA	0012	0003	WM47	12.4 psi	
	LB	0001	0000	WM29	5.9 psi	

COMMENTS:

<1> Bottle was not filling for first three hours and flow was irregular during remainder of sample.

Out of 507 scheduled carbonyl sampling periods, 506 samples were collected. No sample was collected at Downtown Los Angeles during the 0900 sampling period on 11 November due to a faulty timer. Power failure at Long Beach affected the collection of samples during the 1200 and 1600 sampling periods on 25 June.

A total of 73 PM-10 samples and 11 PAH samples were collected as scheduled. Sampling went well except for the power failure on 25 June at Long Beach.

Out of the 56 scheduled ARB air toxics samples, 55 were collected. No sample was taken on the first day of SCAQS at Rubidoux because the technician could not locate the sampler. Out of 56 scheduled Rasmussen air toxics samples, 54 were taken. Sampler malfunctions prevented samples being taken on 24 and 25 June at Downtown Los Angeles. Power failure on 25 June at Long Beach also affected both air toxics samples.

6.2 CONTINUOUS DATA

Tables 6-8 and 6-9 present the air quality and meteorological parameters that were monitored continuously during the summer and fall SCAQS periods. These data were reported in two data volumes (AeroVironment, 1987a and 1988). All parameters were reported in hourly averages. In addition, hourly averages of air quality and meteorological data, six-minute averages of aerosol data during intensive study periods, and hourly averaged aerosol data during nonintensive study periods in magnetic media were also submitted to the SCAQS data manager.

TABLE 6-8. Air quality and meteorological parameters monitored during summer study period: June 11 - September 15, 1987.

Parameter	Site				
	CLA	DLA	LB	RUB	SNI
Meteorology					
WS/WD, 10 m					X
Temperature, 10 m					X
Dew Point, 10 m					X
UV Radiation		X	X	X	
Air Quality					
CO					X
NO/NO_x					X
O_3					X
B_{sp}	X		X		X
Aerosol					
EAA	X		X	X	
PRB	X		X	X	
OPC	X		X	X	

TABLE 6-9. Air quality and meteorological parameters monitored during winter study period: November 3 - December 17, 1987.

Parameter	Site		
	DLA	LB	RUB
Meteorology			
UV Radiation	X	X	X
Air Quality			
B_{sp}		X	
Aerosol			
EAA	X	X	
PRB	X	X	
OPC	X	X	

Section 7

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TABLE 6-4. (continued)

Carbonyl Sampler, SEPTEMBER 3

	Sampling times						
	blank	0500	0700	0900	1200	1400	1600
site							
ANA							
capsule #			555		556		557
dup/blank?	no						
comment							
AZU							
capsule #			918		919		920
dup/blank?	no						
comment							
BUR							
capsule #			928		929		930
dup/blank?	no						
comment							
CLA							
capsule #		955	956	957	958	959	960
dup/blank?							961
comment							
DLA							
capsule #			872		873		874
dup/blank?	no						
comment							
HAW							
capsule #			882		883		884
dup/blank?	no						
comment							
LB							
capsule #		946	947	948	949	950	951
dup/blank?	no						
comment							
RUB							
capsule #			894		895		896
dup/blank?	509						
comment							
SNI							
capsule #			555		556		557
dup/blank?	no						
comment							

COMMENTS:

TABLE 6-4. (continued)

CARBONYL Sampler, Nov. 11

Sampling times

Site	blank	0500	0700	0900	1200	1400	1600
ANA							
capsule #			1205		1206		1207
dup/blank?	1208						
comments							
BUR							
capsule #			1103		1104		1105
dup/blank?	1102						
comments							
DLA							
capsule #		1175	1176	1177	1178	1198	1199
dup/blank?	1174						
comments				<1>			
HAW							
capsule #			1114		1115		1116
dup/blank?	1117						
comments							
LB							
capsule #		1242	1265	1261	1248	1250	1251
dup/blank?	1241						
comments							
RUB							
capsule #			1151		1152		1153
dup/blank?	1150						
comments							

COMMENTS

<1> no sample taken - chrontrol timer set incorrectly

TABLE 6-4. (continued)

CARBONYL Sampler, Nov. 12

Sampling times

Site	blank	0500	0700	0900	1200	1400	1600
ANA							
capsule #			1209		1210		1211
dup/blank?					1212		
comments							
BUR							
capsule #			1106		1107		1108
dup/blank?					1109		
comments							
DLA							
capsule #		1201	1202	1203	1204	1217	1218
dup/blank?					1200		
comments							
HAW							
capsule #			1120		1119		1118
dup/blank?					1121		
comments							
LB							
capsule #		1258	1257	1256	1255	1260	1259
dup/blank?					1253		
comments			<2>				
RUB							
capsule #			1154		1155		1157
dup/blank?					1156		
comments							

COMMENTS

<2> sample started at 0706 and ended at 0800

TABLE 6-4. (continued)

CARBONYL Sampler, Nov. 13

Sampling times

Site	blank	0500	0700	0900	1200	1400	1600
ANA							
capsule #			1213		1214		1215
dup/blank?							
comments							
BUR							
capsule #			1110		1111		1112
dup/blank?							
comments							
DLA							
capsule #		1219	1220	1221	1222	1223	1224
dup/blank?							
comments							
HAW							
capsule #			1123		1124		1125
dup/blank?							
comments							<3>
LB							
capsule #		1263	1264	1266	1267	1268	1269
dup/blank?							
comments							
RUB							
capsule #			1158		1159		1160
dup/blank?							
comments							

COMMENTS

<3> sample from 1605 to 1705

TABLE 6-4. (continued)
Carbonyl Sampler, December 3

		Sampling times					
	blank	0500	0700	0900	1200	1400	1600
site							
ANA							
capsule #			1229		1230		1231
dup/blank?	no						
comment							
BUR							
capsule #			1113		1162		1163
dup/blank?	no						
comment							
DLA							
capsule #		1225	1226	1227	1228	1291	1292
dup/blank?	no						
comment							
HAW							
capsule #			1138		1139		1140
dup/blank?	no						
comment							
LB							
capsule #		1270	1271	1272	1273	1274	1275
dup/blank?	no						
comment			<1>				
RUB							
capsule #			1126		1127		1128
dup/blank?	no						
comment							

COMMENTS:

<1> Pump was turned on and off manually.

TABLE 6-4. (continued)

Carbonyl Sampler, December 10

				Sampling times			
	blank	0500	0700	0900	1200	1400	1600
site							
ANA							
capsule #			1395		1396		1397
dup/blank?	1398						
comment							
BUR							
capsule #			1164		1165		1166
dup/blank?	1167						
comment							
DLA							
capsule #		1294	1295	1296	1297	1298	1299
dup/blank?	1293						
comment							
HAW							
capsule #			1141		1142		1143
dup/blank?	1144						
comment							
LB							
capsule #		1277	1278	1279	1280	1281	1282
dup/blank?	1276						
comment							
RUB							
capsule #			1129		1130		1131
dup/blank?	1132						
comment	<1>		<1>		<1>		<1>

COMMENTS:

<1> Pump had burned out. Validity of samples questionable.

TABLE 6-4. (continued)
Carbonyl Sampler, December 11

	Sampling times						
	blank	0500	0700	0900	1200	1400	1600
site							
ANA							
capsule #			1232		1233		1234
dup/blank?					1235		
comment							
BUR							
capsule #			1168		1169		1170
dup/blank?					1171		
comment					<2>		
DLA							
capsule #		1301	1302	1303	1304	1305	1306
dup/blank?					1300		
comment							
HAW							
capsule #			1145		1146		1147
dup/blank?					1148		
comment							
LB							
capsule #		1284	1285	1286	1287	1288	1289
dup/blank?					1283		
comment							
RUB							
capsule #			1133		1134		1135
dup/blank?					1136		
comment	<1>		<1>		<1>		<1>

COMMENTS:

<1> Pump had burned out. Validity of samples questionable.
<2> Possibility that duplicate was improperly taken.

TABLE 6-5. Summary report on PM-10 samples.

PM-10 Sampler

date	site	start	stop	filter #	comment
June 19	ANA	0118	0100	130	
	CLA	0055	0105	190	<1>
	HAW	0100	0100	115	<2>
	LB	0115	0118	215	
	SNI	0100	0110	221	
June 24	ANA	0057	0110	132	
	CLA	0102	0130	191	
	HAW	0103	0110	116	<2>
	LB	0055	0117	206	
	SNI	0100	0040	222	
June 25	ANA	0115	0100	133	
	CLA	0145	0145	192	
	HAW	0114	0105	117	<2>
	LB	0127	0102	207	<3>
	SNI	0056	0053	223	
July 13	ANA	0100	0100	135	
	CLA	0057	0130	193	
	HAW	0056	0047	118	<2>
	LB	0112	0114	208	
	SNI	0045	0040	224	
July 14	ANA	0105	0105	136	
	CLA	0144	0142	194	
	HAW	0047	0042	120	<2>
	LB	0120	0114	209	
	SNI	0040	0046	225	
July 15	ANA	0110	0055	137	
	CLA	0158	0158	195	
	HAW	0047	0042	120	<2>
	LB	0123	0115	210	
	SNI	0100	0042	226	

COMMENTS:

<1> Two gasket screws missing.
<2> Unable to read flow.
<3> Power failure interrupted sample flow.

TABLE 6-5. (continued)

PM-10 Sampler

date	site	start	stop	filter #	comment
August 27	ANA	0100	0106	139	
	CLA	0100	0120	197	
	HAW	0100	0110	121	
	LB	0100	0128	211	
	SNI	0100	0050	234	
August 28	ANA	0110	0105	140	
	CLA	0130	0125	198	
	HAW	0115	0100	122	
	LB	0153	0123	212	
	SNI	0100	0100	233	
August 29	ANA	0110	0056	141	
	CLA	0136	0120	199	
	HAW	0115	0100	123	
	LB	0140	0140	213	
	SNI	0100	0100	232	
September 2	ANA	0100	0105	143	
	CLA	0106	0108	255	
	HAW	0100	0100	265	
	LB	0100	0100	214	
	SNI	0100	0050	231	
September 3	ANA	0110	0100	144	
	CLA	0121	0106	256	
	HAW	0107	0107	266	
	LB	0100	0100	215	
	SNI	0100	0050	230	

COMMENTS:

TABLE 6-5. (continued)

PM-10 Sampler

Date	site	start	stop	filter#	comment
Nov.11	**ANA**	0000	2345	285	
	HAW	0001	2357	269	
	LB	2353	2330	293	
Nov.12	**ANA**	0000	2345	286	
	HAW	0001	0010	270	
	LB	2330	2330	294	
Nov.13	**ANA**	2345	0000	287	
	HAW	0015	0007	271	
	LB	2330	2332	295	

COMMENTS

TABLE 6-5. (continued)

PM-10 Sampler

date	site	start	stop	filter #	comment
December 3	ANA	0000	2345	288	
	HAW	0000	2358	272	<1>
	LB	2345	2345	296	
December 10	ANA	0000	2345	289	
	HAW	0000	0006	273	<1>
	LB	2345	2345	297	
December 11	ANA	0000	2345	290	
	HAW	0006	0000	274	<1>
	LB	2350	2345	298	

COMMENTS:

<1> Sampler did not have chart recorder.

TABLE 6-6. Summary report on ARB air toxics samples.

ARB Air Toxics Sampler

date	site	start	stop	Tedlar bag	comment
June 19	CLA	0100	0138	C-75-I	
	DLA	0205	0135	A-33-I	
	LB	0110	0114	02-Q	
	RUB				<1>
June 24	CLA	0100	0110	A-47-P	
	DLA				<2>
	LB	0120	0137	49-H	
	RUB	0102	0100	B-119-M	
June 25	CLA	0110	0112	B-102-N	
	DLA				<2>
	LB	0138	0018	A-118-O	<3>
	RUB	0103	0102	3-01-N	
July 13	CLA	0100	0115	B-115-N	
	DLA				<2>
	LB	0111	0132	126-B	
	RUB	0101	0102	A-43-J	
July 14	CLA	0115	0120	A-104-J	
	DLA				<2>
	LB	0135	0125	08-K	
	RUB	0104	0102	133-E	
July 15	CLA	0120	0125	A-118-P	
	DLA				<2>
	LB	0128	0121	143-I	
	RUB	0102	0102	A-34-O	

COMMENTS:

<1> No sample taken; could not locate sampler.
<2> Data sheets not available.
<3> Power failure interrupted sample flow.

TABLE 6-6 (continued)

ARB Air Toxics Sampler

date	site	start	stop	Tedlar bag	comment
August 27	CLA	0120	0115	131-J	
	DLA	0104	0112	B-60-D	
	LB	0100	0105	40-A	
	RUB	0101	0103	126-D	
August 28	CLA	0115	0107	A-67-L	
	DLA	0112	0125	143-5	
	LB	0105	0100	86-K	
	RUB	0104	1047	B-45-I	
August 29	CLA	0107	0108	A-47-S	
	DLA	0125	0102	35-B	
	LB	0100	0100	A-52-R	
	RUB	0103	0100	A-34-R	
September 2	CLA	0107	0110	37	
	DLA	0101	0117	3-01-P	
	LB	0100	0100	B-100-A	
	RUB	0100	0102	70	
September 3	CLA	0111	0105	99-B	
	DLA	0117	0102	72	
	LB	0100	1845	93-B	
	RUB	0102	0100	B-106-N	

COMMENTS:

TABLE 6-6. (continued)

ARB AIR TOXICS SAMPLER

Date	site	start	stop	tedlar bag	comment
NOV. 11	**DLA**	0011	0017	130-K	
	LB	0000	1200	A38-P	<1>
	LB	1200	0000	74-B	
NOV. 12	**DLA**	0017	0009	72-B	
	LB	0010	1810	A-101-Q	<2>
	LB	1810	0008	A-43-N	
NOV. 13	**DLA**	0009	0004	96-A	
	LB	0008	0000	93-D	

COMMENTS

<1> sample filled too fast: bag therefore changed
<2> bag changed to coincide with Rasmussen change

TABLE 6-6. (continued)
ARB Air Toxics Sampler

date	site	start	stop	Tedlar bag	comments
December 3	DLA	0004	0004	A-26-Y	
	LB	0000	0005	A-47-U	
December 10	DLA	0006	0010	B-102-U	
	LB	0000	0003	70-B	
December 11	DLA	0010	0003	113-B	
	LB	0003	0000	B-60-R	

TABLE 6-7. Summary report on Rasmussen air toxics sampler.

Rasmussen Air Toxics Sampler

date	site	start	stop	canister	end press	comment
June 19	CLA	0100	0122	WM18	16.2 psi	
	DLA	0122	0119	WM7	10.0 psi	
	LB	0105	0109	WM25	12 psi	
	RUB	0143	0058	WM34	3 " Hg	
June 24	CLA	0100	0103	WM98	10 psi	
	DLA					<1>
	LB	0052	0130	WM3	10.5 psi	
	RUB	0100	0055	WM48	9.0 psi	
June 25	CLA	0107	0107	WM96	2.5 psi	
	DLA					<1>
	LB	0158	0114	WM46	7.2 psi	<2>
	RUB	0059	0059	WM22	8.2 psi	
July 13	CLA	0100	0105	WM74	6.8 " Hg	
	DLA	0101	0059	WM6	12.0 psi	
	LB	0110	0127	WM70	9.9 psi	
	RUB	0100	0100	WM12	9.5 psi	
July 14	CLA	0107	0102	WM33	8.5psi	
	DLA	0100	0100	WM15	~8 psi	
	LB	0130	0132	WM38	7.6 psi	
	RUB	0101	0059	WM13	7.5 psi	
July 15	CLA	0115	0115	WM5	12.2 psi	
	DLA	0102	0100	WM24	9.8 psi	
	LB	0136	0128	WM53	7 psi	
	RUB	0100	0100	WM14	8 " Hg	

COMMENTS:

<1> No sample taken due to faulty sampler.
<2> Power failure interrupted sample flow.

TABLE 6-7 (continued)

Rasmussen Air Toxics Sampler

date	site	start	stop	canister	end press	comment
August 27	CLA	0110	0107	WM99	1.0 psi	
	DLA	0103	0058	WM20	1.5 psi	
	LB	0100	0108	WM4	2.1 psi	
	RUB	0100	0058	WM2	2.0 psi	
August 28	CLA	0112	0101	WM41	18.0 psi	
	DLA	0645	0100	WM23	6.1 psi	<1>
	LB	0113	0113	WM40	0 psi	
	RUB	0102	0100	WM71	12.0 psi	
August 29	CLA	0105	0101	WM31	10.0 psi	
	DLA	0102	0100	WM58	5.1 psi	
	LB	0118	0118	WM56	1.0 psi	
	RUB	0102	0100	WM8	5.0 psi	
September 2	CLA	0127	0131	WM50	17.8 psi	
	DLA	0100	0100	WM42	14.0 psi	
	LB	0100	0100	WM59	5.0 psi	
	RUB	0100	0058	WM54	15.0 psi	
September 3	CLA	0133	0130	WM95	15.8 psi	
	DLA	0101	0100	WM51	9.1 psi	
	LB	0100	01815	WM81	11.5 psi	
	RUB	0100	0100	WM82	16.0 psi	

COMMENTS:

<1> Canister ran less than 24 hours.

TABLE 6-7. (continued)

RASMUSSEN AIR TOXICS SAMPLER

Date	site	start	stop	canister	end press	comment
NOV. 11	**DLA**	0015	0011	WM-55	14.0 psi	<1>
	LB	0000	0102	WM-30		<2>
	LB	0108	0315	WM-36		
	LB	0320	0010	WM-73	17.3 psi	
NOV. 12	**DLA**	0015	0011	WM-37	8.5 psi	<3>
	LB	0010	1800	WM-78	16.0 psi	<4>
NOV. 13	**DLA**	0014	0006	WM-17	7.8 psi	<5>
	LB	0010	0000	WM-21	9.0 psi	

COMMENTS

<1> flow decreased during sampling
<2> canister changed 3 times due to inadequate flow rate
<3> flow increased during sampling
<4> sample run for 18 hours
<5> flow decreased, then increased during sampling

TABLE 6-7. (continued)

Rasmussen Air Toxics Sampler

date	site	start	stop	canister	end press	comment
December 3	DLA	0003	0005	WM44	5.2 psi	<1>
	LB	0008	0004	WM19	9.9 psi	
December 10	DLA	0005	0010	WM45	10 psi	
	LB	0001	0003	WM26	8.5 psi	
December 11	DLA	0012	0003	WM47	12.4 psi	
	LB	0001	0000	WM29	5.9 psi	

COMMENTS:

<1> Bottle was not filling for first three hours and flow was irregular during remainder of sample.

Out of 507 scheduled carbonyl sampling periods, 506 samples were collected. No sample was collected at Downtown Los Angeles during the 0900 sampling period on 11 November due to a faulty timer. Power failure at Long Beach affected the collection of samples during the 1200 and 1600 sampling periods on 25 June.

A total of 73 PM-10 samples and 11 PAH samples were collected as scheduled. Sampling went well except for the power failure on 25 June at Long Beach.

Out of the 56 scheduled ARB air toxics samples, 55 were collected. No sample was taken on the first day of SCAQS at Rubidoux because the technician could not locate the sampler. Out of 56 scheduled Rasmussen air toxics samples, 54 were taken. Sampler malfunctions prevented samples being taken on 24 and 25 June at Downtown Los Angeles. Power failure on 25 June at Long Beach also affected both air toxics samples.

6.2 CONTINUOUS DATA

Tables 6-8 and 6-9 present the air quality and meteorological parameters that were monitored continuously during the summer and fall SCAQS periods. These data were reported in two data volumes (AeroVironment, 1987a and 1988). All parameters were reported in hourly averages. In addition, hourly averages of air quality and meteorological data, six-minute averages of aerosol data during intensive study periods, and hourly averaged aerosol data during nonintensive study periods in magnetic media were also submitted to the SCAQS data manager.

TABLE 6-8. Air quality and meteorological parameters monitored during summer study period: June 11 - September 15, 1987.

Parameter	Site				
	CLA	DLA	LB	RUB	SNI
Meteorology					
WS/WD, 10 m					X
Temperature, 10 m					X
Dew Point, 10 m					X
UV Radiation		X	X	X	
Air Quality					
CO					X
NO/NO_x					X
O_3					X
B_{sp}	X		X		X
Aerosol					
EAA	X		X	X	
PRB	X		X	X	
OPC	X		X	X	

TABLE 6-9. Air quality and meteorological parameters monitored during winter study period: November 3 - December 17, 1987.

Parameter	Site		
	DLA	LB	RUB
Meteorology			
UV Radiation	X	X	X
Air Quality			
B_{sp}		X	
Aerosol			
EAA	X	X	
PRB	X	X	
OPC	X	X	

Section 7

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