N00236.001012
ALAMEDA POINT
SSIC NO. 5090.3

CanonieEnvironmental

Canonie Environmental Services Corp.
7901 Stoneridge Drive
Suite 100
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Phone: 510-463-9117
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June 19, 1992

86-018-1810

Mr. Wing Wong, P.E. (Code 1811WW)
Office of Environmental Management
Western Division
Naval Facilities Engineering Command
P.O. Box 727
San Bruno, CA 94066

Transmittal
Original Laboratory Data Deliverables
and Compiled Database of Air Sampling Results
Remedial Investigation/Feasibility Study (RI/FS)
NAS Alameda
Alameda, California

Dear Mr. Wong:

Enclosed are two disks each containing the following two files of air data collected by Canonie Environmental Services Corp. (Canonie) during field activities at Naval Air Station Alameda:

- AIRDATA.EXE - Original laboratory data deliverables received from Curtis & Tompkins, Ltd.
- AIRDBF.EXE - Compiled database files created by Canonie for the Navy. The QA/QC files have not been included in the database, but have been printed out and are included as enclosures to this letter.

The data on both of the files are in self-extracting compressed format. To access the data, copy the file to directory where the data will be located and type the filename.

Please call me if you have any questions concerning this information.

Very truly yours,

James W. Babcock, Ph.D.
Project Manager

JWB/pm
Enclosures

PL/86-018/LETTERS/WONG.619 [June 18, 1992]

1012

LABORATORY NUMBER: 101155
CLIENT: CANONIE ENVIRONMENTAL
JOB #: 86-018.1807

DATE RECEIVED: 07/18/90
DATE ANALYZED: 08/15/90
DATE REPORTED: 08/17/90

Metals in Air
NIOSH Method 7300 (Modified)

QA/QC SUMMARY

	RPD,%	RECOVERY,%		RPD,%	RECOVERY,%
Aluminum	1	103	Manganese	1	105
Antimony	<1	92	Molybdenum	1	83
Arsenic	10	86	Nickel	2	104
Barium	2	101	Potassium	<1	96
Beryllium	2	103	Selenium	7	108
Boron	<1	106	Silicon	4	101
Cadmium	5	102	Silver	4	104
Calcium	<1	100	Sodium	<1	103
Chromium	2	105	Thallium	8	117
Cobalt	2	104	Tin	<1	103
Copper	2	104	Titanium	<1	108
Iron	8	107	Vanadium	4	102
Lead	20	92	Zinc	1	105
Magnesium	<1	100			

LABORATORY NUMBER: 101154
CLIENT: CANNONIE ENVIRONMENTAL
JOB #: 86-018.1803

DATE RECEIVED: 07/17/90
DATE ANALYZED: 08/16/90
DATE REPORTED: 08/17/90

Metals in Air
NIOSH Method 7300 (Modified)

QA/QC SUMMARY

	RPD,%	RECOVERY,%		RPD,%	RECOVERY,%
Aluminum	1	104	Manganese	4	103
Antimony	<1	92	Molybdenum	<1	83
Arsenic	18	83	Nickel	1	105
Barium	1	102	Potassium	<1	100
Beryllium	1	104	Selenium	5	107
Boron	<1	99	Silicon	4	101
Cadmium	4	101	Silver	4	105
Calcium	<1	100	Sodium	<1	103
Chromium	3	105	Thallium	<1	108
Cobalt	1	105	Tin	<1	105
Copper	1	105	Titanium	<1	104
Iron	7	106	Vanadium	2	102
Lead	9	97	Zinc	<1	106
Magnesium	<1	100			

LABORATORY NUMBER: 101158
CLIENT: CANONIE ENVIRONMENTAL
JOB #: 86-018.1807

DATE RECEIVED: 07/19/90
DATE ANALYZED: 08/15/90
DATE REPORTED: 08/20/90

Metals in Air
NIOSH Method 7300 (Modified)

QA/QC SUMMARY

	RPD,%	RECOVERY,%		RPD,%	RECOVERY,%
Aluminum	1	103	Manganese	1	105
Antimony	<1	92	Molybdenum	1	83
Arsenic	10	86	Nickel	2	104
Barium	2	101	Potassium	<1	96
Beryllium	2	103	Selenium	7	108
Boron	<1	106	Silicon	4	101
Cadmium	5	102	Silver	4	104
Calcium	<1	100	Sodium	<1	103
Chromium	2	105	Thallium	8	117
Cobalt	2	104	Tin	<1	103
Copper	2	104	Titanium	<1	108
Iron	8	107	Vanadium	4	102
Lead	20	92	Zinc	1	105
Magnesium	<1	100			

LABORATORY NUMBER: 100611
CLIENT: CANONIE ENVIRONMENTAL
JOB #: 86.86018
LOCATION: NAS - ALAMEDA

DATE RECEIVED: 05/24/90
DATE ANALYZED: 05/31/90
DATE REPORTED: 06/21/90

Metals in Air
NIOSH Method 7300 (Modified)

QA/QC SUMMARY

	RPD,%	RECOVERY,%		RPD,%	RECOVERY,%
Aluminum	1	99	Manganese	1	101
Antimony	1	100	Molybdenum	1	93
Arsenic	8	95	Nickel	4	101
Barium	1	103	Potassium	1	102
Beryllium	1	102	Selenium	4	96
Boron	1	97	Silicon	3	93
Cadmium	4	95	Silver	2	101
Calcium	3	103	Sodium	1	102
Chromium	<1	101	Thallium	4	99
Cobalt	1	105	Tin	3	102
Copper	1	102	Titanium	<1	102
Iron	4	103	Vanadium	1	98
Lead	6	98	Yttrium	1	102
Magnesium	1	104	Zinc	1	102

LABORATORY NUMBER: 100610
CLIENT: CANONIE ENVIRONMENTAL
JOB #: 86.86018
LOCATION: NAS - ALAMEDA

DATE RECEIVED: 05/23/90
DATE ANALYZED: 05/31/90
DATE REPORTED: 06/21/90

Metals in Air
NIOSH Method 7300 (Modified)

QA/QC SUMMARY

	RPD,%	RECOVERY,%		RPD,%	RECOVERY,%
Aluminum	2	98	Manganese	2	100
Antimony	1	104	Molybdenum	<1	95
Arsenic	2	102	Nickel	<1	102
Barium	2	101	Potassium	1	102
Beryllium	1	98	Selenium	4	104
Boron	1	98	Silicon	6	91
Cadmium	1	98	Silver	<1	99
Calcium	5	107	Sodium	3	103
Chromium	3	101	Thallium	1	104
Cobalt	1	102	Tin	1	101
Copper	<1	100	Titanium	1	105
Iron	5	104	Vanadium	2	96
Lead	1	103	Yttrium	1	103
Magnesium	1	105	Zinc	1	102

LABORATORY NUMBER: 100552
CLIENT: CANONIE ENVIRONMENTAL
JOB #: 86018
LOCATION: NAS - ALAMEDA

DATE RECEIVED: 05/16/90
DATE ANALYZED: 05/31/90
DATE REPORTED: 06/08/90

Metals in Air
NIOSH Method 7300 (Modified)

QA/QC SUMMARY

	RPD,%	RECOVERY,%		RPD,%	RECOVERY,%
Aluminum	1	99	Manganese	1	101
Antimony	1	100	Molybdenum	1	93
Arsenic	8	95	Nickel	4	101
Barium	1	103	Potassium	1	102
Beryllium	1	102	Selenium	4	96
Boron	1	97	Silicon	3	93
Cadmium	4	95	Silver	2	101
Calcium	3	103	Sodium	1	102
Chromium	<1	101	Thallium	4	99
Cobalt	1	105	Tin	3	102
Copper	1	102	Titanium	<1	102
Iron	4	103	Vanadium	1	98
Lead	6	98	Yttrium	1	102
Magnesium	1	104	Zinc	1	102

LABORATORY NUMBER: 100371
CLIENT: CANONIE ENVIRONMENTAL
JOB #: 86018

DATE RECEIVED: 04/26/90
DATE ANALYZED: 05/24/90
DATE REPORTED: 06/07/90

Metals in Air
NIOSH Method 7300 (Modified)

QA/QC SUMMARY

	RPD,%	RECOVERY,%		RPD,%	RECOVERY,%
Aluminum	2	96	Magnesium	3	101
Antimony	3	100	Manganese	1	98
Arsenic	5	95	Molybdenum	<1	90
Barium	1	102	Nickel	3	100
Beryllium	4	98	Potassium	1	100
Cadmium	4	95	Selenium	2	96
Calcium	5	100	Silver	3	96
Chromium	3	99	Sodium	1	101
Cobalt	1	101	Thallium	2	99
Copper	2	101	Vanadium	1	95
Iron	6	101	Zinc	3	99
Lead	1	98			

LABORATORY NUMBER: 100372
CLIENT: CANONIE ENVIRONMENTAL
JOB #: 86018
LOCATION: NAS - ALAMEDA

DATE RECEIVED: 04/27/90
DATE ANALYZED: 05/21/90
DATE REPORTED: 06/08/90

Metals in Air
NIOSH Method 7300 (Modified)

QA/QC SUMMARY

	RPD,%	RECOVERY,%		RPD,%	RECOVERY,%
Aluminum	1	99	Manganese	<1	101
Antimony	<1	105	Molybdenum	<1	97
Arsenic	<1	104	Nickel	<1	102
Barium	1	103	Potassium	2	101
Beryllium	<1	101	Selenium	<1	101
Boron	1	99	Silicon	<1	100
Cadmium	<1	96	Silver	1	102
Calcium	3	107	Sodium	<1	103
Chromium	<1	102	Thallium	4	110
Cobalt	<1	104	Tin	<1	105
Copper	2	102	Titanium	3	98
Iron	3	105	Vanadium	<1	98
Lead	6	106	Yttrium	<1	102
Magnesium	<1	103	Zinc	3	104

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ENCLOSURE

ORIGINAL LABORATORY DATA DELIVERABLES AND COMPILED DATABASE OF AIR SAMPLING RESULTS ARE CONTAINED IN ELECTRONIC FORMAT ONLY

TO VIEW THE DATA, CONTACT:

DIANE C. SILVA
RECORDS MANAGEMENT SPECIALIST
NAVAL FACILITIES ENGINEERING COMMAND SOUTHWEST
1220 PACIFIC HIGHWAY
SAN DIEGO, CA 92132

TELEPHONE: (619) 532-3676