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RECEIVED
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MKR

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MEMORANDUM

To: Mr. Richard Hughto, Rizzo Associates Ref 484

From: Robert J. Rossi, Ph.D., C.C.M.

Re: New Bedford PCB Monitoring Data--Meeting with Alan Fowler of EBASCO Services

Date: October 2, 1989

I met with Mr. Fowler on September 29, 1989 to evaluate the available data from the New Bedford PCB Air Monitoring Program. The only data available were from the laboratory, regarding the analysis of filters for PCB's. These data included the results of the filter analyses (mass PCB per filter), as well as some laboratory quality control information. The results of the filter analyses were not validated. The dates of when the samples were exposed and the corresponding sample air volumes were not available. I did determine that the minimum detectable limit for each PCB was 0.065 ug per PUF filter and I saw data sheets where detectable levels of PCB's were reported. Some example data sheets are enclosed.

Mr. Fowler stated that the meteorological data, operations data, and non-laboratory quality assurance data were not available for me to look at. As I told you, he stated that this information, with unvalidated chemistry data, would be available soon in a preliminary report. Mr. Fowler maintains that all requests for data should be through you.

The data that was made available for me cannot be used to evaluate the impact of the dredging operations on ambient concentrations of PCB's. For me to be able to make this evaluation, I will need information on the dates and flow volumes corresponding to the laboratory data he has shown me. I will also need the corresponding meteorological data and information on the periods of the dredging operations. As soon as Mr. Fowler makes these data available, I will be able to perform the analysis.

Encls.

J484M1

SDMS DocID 53645

3350 Default LOOP Report - GENIE Medium_Height Form

COLUMN DB1701 2 UL INJECTION RESOURCE ANALYSTS INC Page 1
Sample Name : 16819-3 PUFF 1:4 DIL Report No : 6.00
4524A-196 PDL

Instrument : GC01

Data Processor : Genie Multilevel : True

Calculation : ExternalSTD Quantitation: Heights Itd

Sequence File: /DATA/GC01/SEQUENCE.S10407.SEQ
Method File : /DATA/GC01/METHOD/AR1016.MTH
Sampling File :

Result File : /DATA/GC01/RESULT/G1L01563.SEQ

Run Time : 29.00 Minutes Injected on Fri Apr 7, 1989 14:11 mwc

Subseq/Sample: 1/ 8 Bottle no. : 8

Q-Fact : 400.00% Sample Amt: 0.0000 Standard Amt: 1.0000

RunStatusOK
EndOffBaseline

Pk#	RT	ID-tm	Factor	Height	Code	UG/L	Name
1	5.37		5.89E-07	57623	VV	.1357	
2	5.57		5.89E-07	15938	VV	.0375	
3	5.73		5.89E-07	32536	VV	.0766	
4	5.89		5.89E-07	9904	VV	.0233	
5	6.07		5.89E-07	6421	VV	.0151	
6	6.74		5.89E-07	15241	VV	.0359	
7	7.40		5.89E-07	14942	VV	.0352	
8	7.67		5.89E-07	11985	VV	.0282	
9	8.04		5.89E-07	18770	VV	.0442	
10	8.55		5.89E-07	49212	PV	.1159	
11	8.71	8.70	4.87E-06	54897	VV	1.2451	AROCLOR 1016
12	9.02		5.89E-07	50888	VV	.1198	
13	9.13		5.89E-07	32865	VV	.0774	
14	9.25		5.89E-07	39091	VV	.0920	
15	9.47		5.89E-07	9169	VV	.0216	
16	9.91		5.89E-07	24022	VV	.0566	
17	10.07	10.06	2.41E-06	107572	VV	1.2552	AROCLOR 1016
18	10.47		5.89E-07	20546	VV	.0484	
19	10.77		5.89E-07	30438	VV	.0717	
20	10.95	10.98	5.96E-06	43259	VV	1.2216	AROCLOR 1016
21	11.38		5.89E-07	67327	VV	.1585	
22	11.70	11.68	1.55E-06	180521	VV	1.2797	AROCLOR 1016
23	12.24	12.26	3.28E-06	69525	VV	1.0744	AROCLOR 1016
24	12.64		5.89E-07	32392	VV	.0774	
25	13.00		5.89E-07	82969	VV	.1954	

Resource Analysts, Inc.

4524A-196 PD
16819-3
2 µl injection
DB1701
GC01
4/7/89
14:11
1:4

1D

EPA SAMPLE NO.

PCB ORGANICS ANALYSIS DATA SHEET

4524A-196POL

Lab Name: RESOURCE ANALYSTS, INC. Contract:

Lab Code: RESAN Case No.: SAS No.: 4524-A SDG No.:

Matrix: (soil/water) PUF Lab Sample ID: 16819-3

Sample wt/vol: (g/mL) Lab File ID: G1L01563

Level: (low/med) LOW Date Received: 04/05/89

% Moisture: not dec. 0. dec. 0. Date Extracted: 04/06/89

Extraction: (SepF/Cont/Sonc) SOXHLET Date Analyzed: 04/07/89

GPC Cleanup: (Y/N) N pH: .0 Dilution Factor: 4.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/PUF	Q
12674-11-2	AROCLOR-1016	1.2	
53469-21-9	AROCLOR-1242	0.26	U
[illegible]-29-6	AROCLOR-1248	0.26	U
11097-69-1	AROCLOR-1254	0.26	U

FORM I

3E

PESTICIDE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: RESOURCE ANALYSTS, INC. Contract:

Lab Code: RESAN Case No.: SAS No.:4524-A SDG No.:

Matrix Spike - EPA Sample No.: 4524A-824F

COMPOUND	SPIKE ADDED (UG)	SAMPLE CONCENTRATION (UG)	MS CONCENTRATION (UG/FILTER)	MS % REC #
AROCLOR 1254	1.0	.00	.80	80.

COMPOUND	SPIKE ADDED (UG)	MSD CONCENTRATION (UG/FILTER)	MSD % REC #	% RPD #
AROCLOR 1254	1.0	.88	88.	10.

COMMENTS: MATRIX FOR THIS SAMPLE : FILTER (GLASS)
LABORATORY ID FOR 4524A-824FMS: 16840-16MS4524A-824FMSD: S-M335

3E

PESTICIDE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: RESOURCE ANALYSTS, INC. Contract:

Lab Code: RESAN Case No.: SAS No.:4524-A SDG No.:

Matrix Spike - EPA Sample No.: 4524A-823F

COMPOUND	SPIKE ADDED (UG)	SAMPLE CONCENTRATION (UG)	MS CONCENTRATION (UG/FILTER)	MS % REC #
AROCLOR 1254	1.0	.00	.99	99.

COMPOUND	SPIKE ADDED (UG)	MSD CONCENTRATION (UG/PUF)	MSD % REC #	% RPD #
AROCLOR 1254	1.0	1.0	100.	1.

COMMENTS: MATRIX FOR THIS SAMPLE : FILTER (QUARTZ)
LABORATORY ID FOR 4534A-823FMS: 16819-16MS 4524A-823FMSD: S-M334