REGION V

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

DATE: 11/14/84

RECEIVED NOV 3 1982

SUBJECT: Review of Region V Contractor Data
Received for Review on 11/1/82

FROM: Curtis Ross, Director
Central Regional Laboratory

Chuck Eddy for Kath Getty

TO: Data User: FIT

F5-8203-6 #06
Low Waters

EPA Region 5 Records Ctr.
373678

We have reviewed the data for the following case(s).

Site Name: Woodford Road Quarry OH SMO Case No. 1332

EPA Data Set No. SF 1856 Decision Unit 1905 / C47416

CRL No.'s 83M901 R01 to 83M901 S05

SMO Traffic No.'s ME9360 to ME9365

Contractor Lab Chemtech Hours required for review: _____

Following are our findings.

[illegible]

(✓) Data are acceptable for use.

( ) Data are unacceptable for use.

( ) Data are preliminary - this case has been forwarded to Dr. Alfred Haeberer, EPA Support Services, for review - pending reply.

cc: Dr. Alfred Haeberer, EPA Support Services

EPA FORM 1320-6 (REV. 3-76)

OH-264-07

DATE: 11/11/82

TO: Kath Getty

FROM: Rene Van Someren

F5-8203-6 #6

SUBJECT: Analytical Results for Woodford Rd Quarry
F5-8203-6 #6
Low Water Inorganics

We have received the analytical results from your investigation of the subject site.

I have forwarded the data to _____ for further review.

Still awaiting organics

Results for Cr Pb Sb may be low.

Sn results are unacceptable

Otherwise data is final & acceptable.

See A. Sause about site sketch

Make copy for Superfund.

ENVIRONMENTAL PROTECTION AGENCY
FOR THE TEAM: METALS

DIVISION/BRANCH Superfund SAMPLING DATE 9/29/82 LAB ARRIVAL DATE 10/7/82 DUE DATE 11/8/82

DO NUMBER Y905 DATASET NUMBER 1856 STUDY Wood Fand Rd Quarry OH. PRIORITY N CONTRACTOR Chem tech

Case # 1332

CRL LOG NUMBER	SAMPLE DESCRIPTION	WATER-LOW CONC. TASK 1&2 UG/L MET281591 6 ✓
83MG01R01	ME 9360	✓
83MG01B01	ME 9361	✓
83MG01S02	ME 9362	✓
83MG01S03	ME 9363	✓
83MG01S04	ME 9364	✓
83MG01S05	ME 9365	✓

Getty
F5-820336 #6
Low Waters

WOODFORD RD QUARRY
F5-8203-6 #6
SF 185 NOV 01 1982
Low Water

83 MG01 RD

Sample No.
ME9360

US ENVIRONMENTAL PROTECTION AGENCY
HWI Sample Management Office
P.O. Box 818 — Alexandria, Virginia 22313
703/557-2490 FTS 8-557-2490

INORGANICS ANALYSIS DATA SHEET

LABORATORY NAME Chemtech CASE NO. 1332
LAB SAMPLE ID. NO. H005-54-01 QC REPORT NO. 054

TASK 1 (Elements to be identified and measured.)

		ug/l or mg/kg (circle one)			ug/l or mg/kg (circle one)
1.	Aluminum	<100	11.	Manganese	<10
2.	Chromium	<10	12.	Zinc	<10
3.	Barium	<100	13.	Boron	<100
4.	Beryllium	<5	14.	Vanadium	<200
5.	Cadmium	<1			
6.	Cobalt	<50			mg/l or mg/kg (circle one)
7.	Copper	<50			
8.	Iron	<50	15.	Calcium	
9.	Lead	<5	16.	Magnesium	
0.	Nickel	<40	17.	Sodium	

TASK 2 (Elements to be identified and measured.)

		ug/l or mg/kg (circle one)			ug/l or mg/kg (circle one)
1.	Arsenic	<10	5.	Mercury	<0.2
2.	Antimony	<20	6.	Tin *	~~AS <20~~ <100
3.	Selenium	<2	7.	Silver	<10
4.	Thallium	<10			

TASK 3 (Elements to be identified and measured.)

		ug/l or mg/kg (circle one)
1.	Ammonia	
2.	Cyanide	
3.	Sulfide	

COMMENTS: See note attached re: Tin results for case 1332

CHEMTECH
CONSULTING GROUP LTD.

Woodford Rd. Quarry
F5-8203-6 #6
Low Water

Note re: Case 1332 - Analysis for tin

The tin analysis for these samples yielded conflicting results. Furnace results could not be confirmed by spike recoveries and standard addition results in some cases were high but could not be confirmed by flame. Based on our best judgment, the samples were run by ICP and those values are reported along with the quality control data. The detection level was 100 ug/l. Interelement corrections were performed.

Alan Schoffman

Alan Schoffman 10/29/82

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Woodford Rd. Quarry 83MG01S01
F5-8203-6#6
Low Water

Sample No.
ME9361

INORGANICS ANALYSIS DATA SHEET

LABORATORY NAME Chemtech CASE NO. 1332
LAB SAMPLE ID. NO. H005-54-02 QC REPORT NO. 054

TASK 1 (Elements to be identified and measured.)

		ug/l or mg/kg (circle one)			ug/l or mg/kg (circle one)
1.	Aluminum	2300	11.	Manganese	2400
2.	Chromium	<10	12.	Zinc	290
3.	Barium	100	13.	Boron	260.
4.	Beryllium	<5	14.	Vanadium	<200
5.	Cadmium	16.			
6.	Cobalt	<50			mg/l or mg/kg (circle one)
7.	Copper	390			
8.	Iron	23,200	15.	Calcium	
9.	Lead	21	16.	Magnesium	
10.	Nickel	<40	17.	Sodium	

TASK 2 (Elements to be identified and measured.)

		ug/l or mg/kg (circle one)			ug/l or mg/kg (circle one)
1.	Arsenic	<10	5.	Mercury	<0.2
2.	Antimony	<20	6.	Tin	110 ~~40~~ ~~510.B~~
3.	Selenium	<2	7.	Silver	<10
4.	Thallium	<10			

TASK 3 (Elements to be identified and measured.)

		ug/l or mg/kg (circle one)
1.	Ammonia	
2.	Cyanide	
3.	Sulfide	

COMMENTS:

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Woodford Rd. Quarry
F5-8203-6 #6
Low Water

83MG01S02
Sample No.
ME9362

INORGANICS ANALYSIS DATA SHEET

LABORATORY NAME Chemtech CASE NO. 1332
LAB SAMPLE ID. NO. H005-54-03 QC REPORT NO. 054

TASK 1 (Elements to be identified and measured.)

		ug/l or mg/kg (circle one)			ug/l or mg/kg (circle one)
1.	Aluminum	1300	11.	Manganese	990
2.	Chromium	<10	12.	Zinc	1100.
3.	Barium	<100	13.	Boron	280.
4.	Beryllium	<5	14.	Vanadium	<200
5.	Cadmium	23			
6.	Cobalt	<50			
7.	Copper	<50			mg/l or mg/kg (circle one)
8.	Iron	11,480	15.	Calcium	
9.	Lead	9	16.	Magnesium	
10.	Nickel	<40	17.	Sodium	

TASK 2 (Elements to be identified and measured.)

		ug/l or mg/kg (circle one)			ug/l or mg/kg (circle one)
1.	Arsenic	<10	5.	Mercury	<0.2
2.	Antimony	<20	6.	Tin	~~53~~ 120
3.	Selenium	<2	7.	Silver	<10
4.	Thallium	<10			

TASK 3 (Elements to be identified and measured.)

		ug/l or mg/kg (circle one)
1.	Ammonia	
2.	Cyanide	
3.	Sulfide	

COMMENTS:

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Woodford Rd. Quarry
FS-8203-6 #6
Low Water

83M901S013

Sample No.
ME9363

INORGANICS ANALYSIS DATA SHEET

LABORATORY NAME Chemtech CASE NO. 1332
LAB SAMPLE ID. NO. H005-54-04 QC REPORT NO. 054

TASK 1 (Elements to be identified and measured.)

		ug/l or mg/kg (circle one)			ug/l or mg/kg (circle one)
1.	Aluminum	1500	11.	Manganese	1600
2.	Chromium	<10	12.	Zinc	95
3.	Barium	100	13.	Boron	220
4.	Beryllium	<5	14.	Vanadium	<200
5.	Cadmium	<1			
6.	Cobalt	<50			mg/l or mg/kg (circle one)
7.	Copper	<50			
8.	Iron	3250	15.	Calcium	
9.	Lead	<5	16.	Magnesium	
10.	Nickel	<40	17.	Sodium	

TASK 2 (Elements to be identified and measured.)

		ug/l or mg/kg (circle one)			ug/l or mg/kg (circle one)
1.	Arsenic	<10	5.	Mercury	<0.2
2.	Antimony	<20	6.	Tin	~~<20~~ AS <100
3.	Selenium	<2	7.	Silver	<10
4.	Thallium	<10			

TASK 3 (Elements to be identified and measured.)

		ug/l or mg/kg (circle one)
1.	Ammonia	
2.	Cyanide	
3.	Sulfide	

COMMENTS:

US ENVIRONMENTAL PROTECTION AGENCY
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Woodford Rd. Quarry
F5-8203-6 #6
Low Water

83MA01S 04

Sample No.
ME 9364

INORGANICS ANALYSIS DATA SHEET

RECEIVED

LABORATORY NAME Chemtech
CASE NO. 1332
LAB SAMPLE ID. NO. H005-54-05
QC REPORT NO. 054

TASK 1 (Elements to be identified and measured.)

		ug/l or mg/kg (circle one)			ug/l or mg/kg (circle one)
1.	Aluminum	200	11.	Manganese	1240
2.	Chromium	18 *	12.	Zinc	120
3.	Barium	<100	13.	Boron	210
4.	Beryllium	<5	14.	Vanadium	<200
5.	Cadmium	~~B~~ AS 11.			
6.	Cobalt	<50			mg/l or mg/kg (circle one)
7.	Copper	50			
8.	Iron	3100	15.	Calcium	
9.	Lead	~~<5~~ BF 20 *	16.	Magnesium	
0.	Nickel	60	17.	Sodium	

TASK 2 (Elements to be identified and measured.)

		ug/l or mg/kg (circle one)			ug/l or mg/kg (circle one)
1.	Arsenic	<10	5.	Mercury	<0.2
2.	Antimony	<20 *	6.	Tin	~~<20~~ AS 190.
3.	Selenium	<2	7.	Silver	14
4.	Thallium	<10			

TASK 3 (Elements to be identified and measured.)

		ug/l or mg/kg (circle one)
1.	Ammonia	
2.	Cyanide	
3.	Sulfide	

COMMENTS: * Verified by standard additions

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Woodford Rd. Quarry
F5-8203-6 #6
Low Water

83MG01505

Sample No.
ME9365

INORGANICS ANALYSIS DATA SHEET

LABORATORY NAME Chemtech CASE NO. 1332
LAB SAMPLE ID. NO. H005-54-06 QC REPORT NO. 054

TASK 1 (Elements to be identified and measured.)

		ug/l or mg/kg (circle one)			ug/l or mg/kg (circle one)
1.	Aluminum	100	11.	Manganese	1300
2.	Chromium	<10	12.	Zinc	84
3.	Barium	<100	13.	Boron	250
4.	Beryllium	<5	14.	Vanadium	<200
5.	Cadmium	<1			
6.	Cobalt	<50			mg/l or mg/kg (circle one)
7.	Copper	<50			
8.	Iron	1680	15.	Calcium	
9.	Lead	<5	16.	Magnesium	
10.	Nickel	<40	17.	Sodium	

TASK 2 (Elements to be identified and measured.)

		ug/l or mg/kg (circle one)			ug/l or mg/kg (circle one)
1.	Arsenic	<10	5.	Mercury	<0.2
2.	Antimony	<20	6.	Tin	~~2TH~~ <100
3.	Selenium	<2	7.	Silver	<10
4.	Thallium	<10			

TASK 3 (Elements to be identified and measured.)

		ug/l or mg/kg (circle one)
1.	Ammonia	
2.	Cyanide	
3.	Sulfide	

COMMENTS: