US EPA RECORDS CENTER REGION 5
445253

SAMPLING DATA

DATE: 3-2-82

TO: Fred Blaese

FROM: Rene Van Someren

SUBJECT: Analytical Results for PRISTINE

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

I have forwarded the data to _____ for further review.

These results are only preliminary and cannot be used in a report until final acceptance is given by Dr Halvorsen.

3/11/82

Based on information in the attached memo, these results can now be used in accordance with the conclusions therein.

REGION V
UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

DATE: 2/12/82 CN

RECEIVED FEB 25 1982

SUBJECT: Review of Region V Contractor Data; Received for Review on 2/5/82

FROM: Curtis Ross, Director Chuck Elby for
Central Regional Laboratory

Rod Bloese
F5-8007-2

TO: Data User: FIT

We have reviewed the data for the following Case(s):

Site Name: PRISTINE VIAR Case No.: 776

EPA Data Set No.: SF 1421 Decision Unit: Y 905

CRL Laboratory Numbers: 82MA07542

VIAR Traffic Numbers: E01069

Person-hours required for review: 0.5

Following are our findings:

(1) Phenolic surrogate spikes show a low percent recovery. See the attached memo for the Method's explanation.

(2) Tentatively identified compound #3 shows a poor spectral fit and should not be considered reliable.

☐ Data are acceptable for use. 2-12-82

☐ Data are unacceptable for use. YF, CR

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

cc: Dr. Alfred Haeberer

EPA FORM 1320-6 (REV 3-76)

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

DATE: AUG 0 9 1982

SUBJECT: Review of Pristine (SF-1421) Organic Data
Case No. 776; Sample 82-MA07S42

FROM: Marcia A. Kuehl, Quality Control Coordinator
Central Regional Laboratory (5SCRL)

TO: Kathy Getty
E&E

I have completed my review of the organic data for sample 82-MA07S42 generated by Mead Compuchem, under contract #WA81-A050. The original reasons for data review referral to Dr. Alfred Haeberer on 2/12/82, was due to a poor identification of a tentatively identified compound and low acid matrix and surrogate spike recoveries.

This case was designated as "A" or as requiring the most stringent and court-defensible quality control possible. If you have any questions regarding this review, please contact me at 353-8370.

cc: Tom Yeates, DPO
Charles Elly, SMO Coordinator

Attachments

RECEIVED

I. QUALITY CONTROL AUDIT RESULTS

A. Blank

The only compounds detected in the blank associated with this sample were 1,1',1'',1'''-(1,2-Ethenediylidene) benzene (.024 ug/g) and 2-(2,6-Dimethoxy)-4H-1-benzopyran-4-one (.01 ug/g). Both compounds were noted by Mead as being suspected laboratory contaminants. These compounds were not found or reported in the samples.

B. Duplicate

The precision for three surrogate compounds was out of range. Pentafluorophenol, d_5-nitrobenzene and 2-fluorobiphenyl all showed relative percent differences greater than 50%. Since the acceptance criteria listed in the "Regional Review of Uncontrolled Hazardous Waste Site Contract Laboratory Data Package" (attached) are arbitrary, sample data for these compounds should be considered to be precise enough for use.

All three compounds have a history of being difficult to recover at reproducible levels with the extraction method used with contract #WA81-A050 (see Spike comments).

C. Spikes

1. Surrogates - 82-MA07S42

Two acid surrogate spike compounds were not recovered at all at a level of 50 ug/g: d_5-phenol and 2-fluorophenol. One base-neutral surrogate spike, d_5-nitrobenzene was also not recovered at a level of 50 ug/g. The Mead Quality Control notice (attached) attributes this to the method solvent system. Accordingly, acid compounds listed as not detected may be present at levels of 50 ug/g. The absence of d_5-nitrobenzene may only reflect the inability of this method to recover it. Sample base-neutral data should be considered reliable.

2. Matrix

The matrix spike analyzed for this case was, unfortunately, not on sample 82-MA07S42. Matrix spike results echoed the acid recovery problems found in the surrogate recovery. Poor recoveries were seen for phenol, 2-chlorophenol, and 4-nitrophenol. N-nitrosodi-n-propylamine, a base-neutral compound, was recovered at a greater than acceptance limit level.

II. CONCLUSION

Sample 82-MA07S42 results were verified for the following compounds:

1,2,4-trichlorobenzene (trace)
hexachlorobenzene
hexachloroethane
hexachlorbutadiene
toluene
pentachlorobenzene
1,2,2,3-tetrachloropropane

The identity assigned to scan Number 488, 1,4-dichloro-2,5-bistrichloromethylbenzene is not correct. No other assignment can be made without the GC/MS tapes.

It should be noted that the concentration reported for hexachlorobutadiene is an estimate, as the concentration of this compound exceeded the linear range of the GC/MS calibration.

Due to the problem of poor acid recoveries with the solvent system in this contract, acid results reported for this sample may be biased low.

Attachments

SF1421 PRISTINE
Y905

RECEIVED [illegible]

Regional Review of Uncontrolled Hazardous Waste Site Contract

Laboratory Data Package

TO: U.S. Environmental Protection Agency
Sample Management Office
P.O. Box 818
Alexandria, Virginia 22313

The hardcopied (Laboratory Name) Mead Compuchem data package received at Region V has been reviewed and the quality assurance and performance data summarized. The data reviewed included:

CASE NO.	SAMPLE		
776	82-MA07542 (med H2O)		

Contract No. WA81-A050 requires that specific analytical work be done and that associated reports be provided by the contractor to the Regions, EMSL-LV, and SMO. The general criteria used to determine the performance was based on examination of:

1. Data completeness
2. Spectra matching quality
3. Surrogate spike results
4. Matrix spike results
5. Duplicate analysis results
6. Blank analysis results
7. DFTPP and BFB performance

The results for each of the above groups are detailed within the body of this memo.

note data reported in wrong units (ug/g) should be ug/ml

I. DATA COMPLETENESS

A. Organics analysis data sheets - ✓.

B. Base/neutral - sample chromatograms - ✓.

C. Acid-sample chromatograms - ✓.

D. VOA - sample chromatorgrams - ✓.

E. Pesticide - sample chromatograms - ✓.

F. Sample spectra - priority pollutants and non-priority pollutants - ✓.

G. Blank - ✓.

H. Duplicate analysis - one duplicate analysis of sample [illegible] was reported as required by contract.

I. Spike data - ✓.

J. DFTPP criteria forms, spectra and listings - ✓.

K. BFB criteria forms, spectra and listings - ✓.

L. Base/neutral - standard reference spectra and chromatograms - _____.

M. Acid-standard reference spectra and chromatograms - _____.

N. VOA-standard reference spectra and chromatograms - _____.

O. Pesticide-standard chromatogram - _____.

P. Base/neutral sensitivity test - _____.

Q. Acid sensitivity test - _____.

R. Tailing factor data - PCB 3.6, Benzl 1.46

II. SPECTRA MATCHING QUALITY

The spectra were examined and found to be of good matching quality.

The spectra were examined and found to be of poor matching quality due to:

poor match for Scan #488 26% purity
(#3) 1,4-dichloro-2,5-bis trichloromethyl benzene

Comments:

Disregard this compound.

III. SURROGATE SPIKES

The recoveries of surrogate spikes for each parameter group and sample were evaluated. The average results for each parameter in a number of samples should be:

Fraction	Surrogate	Low Limit	High Limit	~~Average~~ S42 result
Volatile	benzene-d_6	70	130	105
Volatile	toluene-d_8	70	130	108
Acid	phenol-d_5	30	100	NR *
Acid	2-fluorophenol	30	100	NR *
Base/Neutral	nitrobenzene-d_5	40	120	NR *
Base/Neutral	2-fluorobiphenyl	40	120	79

The average results from other samples were found to be:

NR = not recovered

d5 Φ-OH = 36
2 Fl-Φ-OH = 48
d5 nitro Φ = 43

IV. MATRIX SPIKE RESULTS

The Matrix Spike Results (MSR) for each parameter group were evaluated. The parameters that were reported are listed below along with the MSR guidelines and amount of spike added. A double asterisk (**) indicates outliers.

MATRIX SPIKE RESULTS

Fraction	Compound	Spike Added (ng)	Low Limit	High Limit	Actual
Volatile	Chlorobenzene		60%	150%	116
	Toluene		40%	190%	120
	Benzene		70%	200%	120
Base/neutral	1,2,4-trichlorobenzene		50%	200%	62
	Acenaphtene		35%	200%	72
	2,4-dinitrotoluene		25%	200%	42
	Di-n-butylphthalate		50%	180%	84
	Pyrene		50%	150%	92
	N-nitrosodi-n-propylamine		20%	100%	145 *
	1,4-dichlorobenzene		15%	200%	64
Acid	Pentachlorophenol		40%	140%	62
	Phenol		50%	200%	12 *
	2-chlorophenol		40%	150%	0 *
	p-chloro-m-cresol		40%	120%	56
	4-nitrophenol		40%	200%	27 *
Pesticide	Heptachlor		70%	150%	96
	Aldrin		80%	150%	89
	Dieldrin		85%	150%	93

V. DUPLICATE ANALYSIS RESULTS

The Relative Percent Difference (RPD) for each parameter group was evaluated.

RECEIVED AUG 10 1982

The duplicate analysis RPD acceptance criteria should be:

Fraction	found	Maximum acceptable Percent Difference
Volatile	0-2	15%
Base/neutral	55-64	50%
Acid		40%

The RPD's exceeding the maximum acceptable percent difference were:

Fraction	Compound	Actual RPD
~~Volatile~~ B/N	2-Fl biØ	64
Base/neutral	2,4 nitroØ	55
Acid	penta fluorophenol	52

Each duplicate analysis was examined in reference to compounds detected in each analysis. Those compounds which were not common to each analysis for the duplicate sample are listed below.

Fraction	Sample No.	Compound	Concentration

VI. BLANK ANALYSIS RESULTS

The blank analysis was reviewed. The contaminants in the blank are listed below.

	Fraction	Compound	Concentration
suspected need lab contaminants 11196	BN	Benzene, 1,1',1'',1''' (1,2-Ethenediylidene)	.024 ug/g
	BN	4H-1-Benzopyron-4-one, 2-(2,6 Dimethoxy)	.010 ug/g

VII. DFTPP and BFB PERFORMANCE RESULTS

The DFTPP performance results were reviewed and found to be within the specified criteria. gh

The BFB performance results were reviewed and found to be within the specified criteria.

The _____ performance result(s) was/were reviewed and the following abundances were found to fall outside the specified criteria.

Compound	Contractor Designation	m/e	Required Abundance	Actual Abundance
BFB		173	<1%	1.29
BFB		96	5-9%	9.02

The (BFB/DFTPP) BFB performance results which were found to be outside of the contractually required tuning requirements, do not have an adverse technical impact on the data.

VIII. Chromatography Checks

Tailing Factors

	Acceptance Windows	Actual
Benzidine	Less than 3	~~[illegible]~~ 1.46
Pentachlorophenol	Less than 5	3.6

IX. Standards

General shape of the total ion chromatogram

	AC	B/N	VOA	Pest.
Peak Shape				
Interferences				
Background				

Area Response

4-Nitrophenol	NF
2,4-Dinitrophenol	NF
Pentachlorophenol	414
Benzidine	NF
Hexachlorocyclopentadien	
Nitrobenzene	NF
Isophorone	2187
Dinitrotoluenes	~~2713 (2,4)~~ (2,6 not found)

Reviewere name: M. Kuehl
FTS Telephone No.: 353-3805
Commercial Telephone No.:

QUALITY CONTROL NOTICE

Low surrogate recoveries of more than one surrogate in a fraction have triggered the following actions:

- a check of the extraction worksheet to determine that the appropriate amount was added:
- a check of recoveries in other samples in the same set.

A repeat analysis is conducted if those checks do not account for low recoveries.

In the medium level acid fractions, surrogates typically have low recoveries. This can be documented from a number of duplicates and repeat analyses conducted on several EPA samples. This low recovery is likely due to the method's solvent system, 15% methylene chloride in hexanes. Independent experiments with similar samples and matrices demonstrate improved acid surrogate recoveries with 100% methylene chloride used for extraction. now used in new contracts

low recoveries (acids) surrogates

d5 phenol (0%)
2-fluorophenol (0%)

Paul Mills
Quality Assurance Manager

low matrix acid recoveries.

phenol (12%)
2-chlorophenol (0%)
4-nitrophenol (27%)

LIST OF COMMONLY USED FOOTNOTES FOR COMMERCIAL AND EPA

II Indistingushable isomers.

I Presence indicated by extracted ion current profile; definitive spectra not obtainable due to interference.

Q Quantiatated from secondary ion.

CI Concentration estimated; interferences present with primary quantitation ions.

D Sample analysis using a _____ dilution.

SE Sample extract could not be concentrated to 1.0 ml, thus the detection limits are higher than normal.

DL Detection limits are adjusted to show change in sample quantity processed. The surrogate recoveries are not available.

SR Surrogate recoveries are not available because it was necessary to dilute the extract, based on GC screening results.

SC Suspected laboratory contaminant.

LT Less than the specified detection limit but greater than one half of the detection limit (present but BDL).

EV Estimated value (previously j) in house note: This footnote may not be used for PP compounds.

H Volatile vial received with headspace.

SV Amount corrected for sample volume.

TN Acid & BN recoveries adjusted 10/9 for volume change. (medium level 026 only)

DC Compound calculated from a _____ dilution.

CR Compound calculated using total RIC area. All secondary ions saturated.

PC Pesticide or PCB confirmed by GC/MS.

PN Pesticide or PCB cannot be confirmed by GC/MS.

P.O. Box 818, Alexandria, VA 22313 - 703/683-0885

Sample Number
E1069

ORGANICS ANALYSIS DATA SHEET - Page 1

TRANSMITTED 9/12/82 W.S.

SF-1421 PRISTINE

Laboratory Name Mead CompuChem SF1421

Case Number 776

Lab Sample ID NO. 11134

QC Report No. 49-19,50-19,51-19

Signature of Person Authorized to Release Data: R.D. Willard

	ACID COMPOUNDS	ug/ml (ug/g) (circle one)
88-06-2	2,4,6-trichlorophenol	10U
59-50-7	p-chloro-m-cresol	20U
95-57-8	2-chlorophenol	10U
122-83-2	2,4-dichlorophenol	10U
105-67-9	2,4-dimethylphenol	10U
88-75-5	2-nitrophenol	10U
100-02-7	4-nitrophenol	90U
51-88-5	2,4-dinitrophenol	40U
534-52-1	4,6 dinitro-o-cresol	20U
87-86-5	pentachlorophenol	25U
108-95-2	phenol	10U

	BASE/NEUTRAL COMPOUNDS TN	ug/ml (ug/g) (circle one)
83-32-9	acenaphthene	10U
92-87-5	benzidine	25U
120-82-1	1,2,4-trichlorobenzene	10 LT
118-74-1	hexachlorobenzene	25
67-72-1	hexachloroethane	270
111-44-4	bis(2-chloroethyl)ether	10U
91-58-7	2-chloronaphthalene	10U
95-50-1	1,2-dichlorobenzene	10U
541-73-1	1,3-dichlorobenzene	10U
106-46-7	1,4-dichlorobenzene	10U
91-94-1	3,3'-dichlorobenzidine	10U
121-14-2	2,4-dinitrotoluene	10U
606-20-2	2,6-dinitrotoluene	10U
	1,2-diphenylhydrazine	10U
122-66-7	(as azobenzene)	10U
206-44-0	fluoranthene	10U
7005-72-3	4-chlorophenyl phenyl ether	10U

	BASE/NEUTRAL COMPOUNDS	ug/ml (ug/g) (circle one)
101-55-3	4-bromophenyl phenyl ether	10U
39638-32-9	bis-(2-chloroisopropyl)ether	10U
111-91-1	bis(2-chloroethoxy)methane	10U
87-68-3	hexachlorobutadiene	100 Q
77-47-4	hexachlorocyclopentadiene	10U
78-59-1	isophorone	10U
91-20-3	naphthalene	10U
98-95-3	nitrobenzene	10U
NA	N-nitrosodimethylamine	NA
86-30-6	N-nitrosodiphenylamine	10U
621-64-7	N-nitrosodi-n-propylamine	10U
117-81-7	bis(2-ethylhexyl)phthalate	10U
85-68-7	butyl benzyl phthalate	10U
84-74-2	di-n-butyl phthalate	10U
117-84-0	di-n-octyl phthalate	10U
84-66-2	diethyl phthalate	10U
131-11-3	dimethyl phthalate	10U
56-55-3	benzo(a)anthracene	10U
50-33-8	benzo(a)pyrene	10U
205-99-2	3,4-benzofluoranthene	25U
207-08-9	benzo(k)fluoranthene	10U
318-01-9	chrysene	10U
208-96-8	acenaphthylene	10U
120-12-7	anthracene	10U
181-24-2	benzo(ghi)perylene	25U
86-73-7	fluorene	10U
85-01-8	phenanthrene	25U
53-70-3	dibenzo(a,h)anthracene	25U
183-39-5	indeno(1,2,3-cd)pyrene	25U
129-00-0	pyrene	25U

ORGANICS ANALYSIS DATA SHEET-Page 2

Sample Number E1069

Laboratory Name Mead CompuChem

Case Number 776

Lab Sample ID NO. 11134

QC Report No. 49-19, 50-19, 51-19

	VOLATILES	ug/ml or (ug/g) (Circle One)
107-02-8	acrolein	10U
107-13-1	acrylonitrile	10U
71-43-2	benzene	1U
56-23-5	carbon tetrachloride	1U
108-90-7	chlorobenzene	1U
107-06-2	1,2-dichloroethane	1U
71-55-6	1,1,1-trichloroethane	1U
75-34-3	1,1-dichloroethane	1U
79-00-5	1,1,2-trichloroethane	1U
79-34-5	1,1,2,2-tetrachloroethane	1U
75-00-3	chloroethane	1U
110-75-8	2-chloroethylvinyl ether	1U
67-66-3	chloroform	1U
75-35-4	1,1-dichloroethene	1U
156-60-5	1,2-trans-dichloroethene	1U
78-87-5	1,2-dichloropropane	1U
10061-0X-XX	1,3-dichloropropiene	1U
100-41-4	ethylbenzene	1U
75-09-2	methylene chloride	1U
74-87-3	chloromethane	1U
74-83-9	bromomethane	1U
75-25-2	bromoform	1U
75-27-4	dichlorobromomethane	1U
75-69-4	trichlorofluoromethane	1U
75-71-8	dichlorodifluoromethane	1U
124-48-1	chlorodibromomethane	1U
127-18-4	tetrachloroethylene	1U
108-88-3	toluene	1.0
79-01-6	trichloroethylene	1U
75-01-4	vinyl chloride	1U

	PESTICIDES	ug/ml or (ug/g) (Circle One)
309-00-2	aldrin	0.1U
60-57-1	dieldrin	0.1U
57-74-9	chlordane	0.1U
50-29-3	4,4'-DDT	0.1U
72-55-9	4,4'-DDE	0.1U
72-54-8	4,4'-DDD	0.1U
115-29-7	endosulfan I	0.1U
115-29-7	endosulfan II	0.1U
1031-07-8	endosulfan sulfate	0.1U
78-20-8	endrin	0.1U
7421-43-4	endrin aldehyde	0.1U
76-44-8	heptachlor	0.1U
1024-57-3	heptachlor epoxide	0.1U
319-84-6	BHC-Alpha	0.1U
319-85-7	BHC-Beta	0.1U
319-86-8	BHC-Delta	0.1U
58-89-9	BHC-Gama	0.1U
53469-21-9	PCB-1242	0.1U
11097-69-7	PCB-1254	0.1U
11104-28-2	PCB-1221	0.1U
11141-16-5	PCB-1232	0.1U
12672-24-6	PCB-1248	0.1U
11096-82-5	PCB-1260	0.1U
12674-11-2	PCB-1016	0.1U
8001-35-2	toxaphene	0.4U

DIOXINS

1746-01-6	2,3,7,8-tetrachlorodibenzo-p-dioxin	0.1U

*Less than 10 ug/l

(pesticides less than, 0.1 ug/l)

C#776-E1064

B/N

FORM 4. ESTIMATED CONCENTRATION OF TENTATIVELY IDENTIFIED COMPOUNDS

Sample Identification 11134 (B/N)

Calculations by _____

AN IBER	COMPOUND IDENTIFICATION	CASS NO.	% PURITY	RIC PEAK AREA OF TENT. COMP.	RIC PEAK AREA OF INT. STD.	EST. AMT. OF TENT COMPOUND Amt.tent = PKA tent. Concentration of / PKA Is. 1
						~~33~~ ~~mg/g~~ x 10/9 TN
① 15	Benzene, Pentachloro	608-93-5	81	700672	840544	~~27~~ ~~mg/g~~ EV = 37
② 0	Propane, 1,2,2,3-Tetrachloro	13116-53-5	63	1601270		~~63~~ = 70
③ 8	Benzene, 1,4-Dichloro -2,5-	2142-24-2	26	276352		~~11~~ = 12 *

* Poor Spectral fit, 2-12-82 yes, CRC

ENVIRONMENTAL PROTECTION AGENCY
Office of Enforcement

REGION 5
230 South Dearborn Street
Chicago, Illinois 60604

CHAIN OF CUSTODY RECORD

PROJ. NO.: 102B

PROJECT NAME: READING OHIO CARSTAB/CINCINNATI DRUM/PRISTINE

SAMPLERS: (Signature)

STA. NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	7 oz jar						REMARKS ITR	OTR	TAG #
	7/8/81	1057		X	E+E WELL #02 CARSTAB	1	X						ME8437	E1067	5-0532
	7/8/81	1510			E+E WELL #03 CARSTAB	1	X						ME8438	E1068	5-0534
	12/8/81	1135			CARSTAB WELL X2	1	X						ME8639	E1069	5-0536
	12/8/81	1425			CARSTAB WELL X3	1	X						ME8440	E1070	5-0538
	12/8/81	1340			CARSTAB WELL X4	1	X						ME8441	E1071	5-0540
	7/8/81	1530			CARSTAB WELL X6	1	X						ME8514	E1072	5-0542
	12/7/81	1130			E+E WELL #09 CIN DRUM	1	X						ME8631	E1075	5-0483
	~~7/8/81~~	~~1145~~			~~E+E WELL #010~~ ERROR CMBlank					ERROR ok Enclosed			~~ME8635~~	~~E1079~~	~~5-0500~~
	7/8/81	1145			E+E WELL #010 CIN DRUM	1	X						ME8632	E1076	5-0485
	7/8/81	1600			E+E WELL #07 PRISTINE	1	X						ME8635	E1079	5-0500

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
John Angelo	1/6/82 11:00				
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks: MEDIUM HAZARD FEDERAL EXPRESS # 712 139 153 CUSTODY SEALS 0550-0551 Shipped Federal Express to Chemtech	

Distribution: Original Accompanies Shipment; Copy to Coordinator Field Files

5-0365

ENVIRONMENTAL PROTECTION AGENCY
Office of Enforcement

REGION 5
230 South Dearborn Street
Chicago, Illinois 60604

CHAIN OF CUSTODY RECORD

PROJ. NO. [illegible]

PROJECT NAME [illegible] SAMPLING

SAMPLERS: (Signature) [illegible]

STA. NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	[illegible]	[illegible]	[illegible]				REMARKS TTK	[illegible]	[illegible]
	[illegible]	1445		X	C&E WELL 01 CARSTAB	1	X	X					[illegible]	[illegible]	5-[illegible]
	[illegible]	1210		X	CARSTAB WELL 7	1	X	X					[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	1445		X	C&E WELL 04 PRISTINE	1	X	X					[illegible]	[illegible]	5-[illegible]
	[illegible]	1540		X	C&E WELL 06 PRISTINE	1	X	X					ME 86[illegible]	[illegible]	5-0415
	[illegible]	1045		X	CITY WELL 011	1	X	X					ME 86[illegible]	[illegible]	5-2205
[illegible]	[illegible]	1230		X	DUPLICATE X7	1	X	X					ME 863[illegible]	[illegible]	5-[illegible]
[illegible]	[illegible]	923		X	BLANK	1	X	X					ME 86[illegible]	E 10[illegible]	5-2216
[illegible]	[illegible]	910		X	BLANK	1	X	X					ME 8644	E 10[illegible]	5-[illegible]

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
[illegible]	1/6/82 11:00				
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks: [illegible] to Chemtech ENVIRONMENTAL LABORATORIES CUSTODY SEALING 0552 - 0553 FEDERAL EXPRESS # 142 139 164	

Distribution: Original Accompanies Shipment; Copy to Coordinator Field Files

5-0366

NSN 7540-00-082-2447 PREVIOUS EDITION USABLE

RECEIVED MAY 5 1982

UNITED STATES GOVERNMENT

2-Way Memo

INSTRUCTIONS

Use routing symbols whenever possible.

SENDER (*Originator of message*):
Use brief, informal language.
Conserve space.
Forward original and one copy.

RECEIVER (*Replier to message*):
Reply below the message, keep one copy, return one copy.

Subject: Request for Prompt Review of SMO Cases

To: Dr. Fred Haeberer, EPA
thru: Dick Thacker, SMO
ROD BLOESE
PRISTINE
F5-8007-2

DATE OF MESSAGE	ROUTING SYMBOL
4/30/82	

SIGNATURE OF ORIGINATOR: Charles J. Elly

TITLE OF ORIGINATOR: Reg. V Coordinator

FOLD

INITIAL MESSAGE

Attached are sites for which during our data review process we marked "preliminary". Engineers and attorneys have requested me to obtain some reply from you regarding the quality of data so that they can write their reports.

As I mentioned earlier, for the hazardous waste extract data (Case 751), one letter would clear up all of the cases.

The MIDCO Cases would be the next order of priority. After that I would like replies starting with the oldest first.

REPLY MESSAGE

DATE OF REPLY	ROUTING SYMBOL

From:

SIGNATURE OF REPLIER

TITLE OF REPLIER

5027-106

1. TO BE RETAINED BY ADDRESSEE (*Receiver*)

OPTIONAL FORM 27 (Rev. 7-77)
GSA FPMR (41 CFR) 101-11.6

Sites With Data Marked "Preliminary"
SMO Cases.

SMO CASE No.	Site NAME	EPA DATA Set No.	PARAMETERS	DATE Sent to DR. HAEBERER
751 (56E)	Hazardous Site	VARIOUS	Organics	1/29/82
761	MCB Manuf.	EDO 1406	ORGANICS	2/8/82
796	Andover	SF 1427	Inorg.	2/10/82
792	Isanti	SF1423	Organics	2/11/82
775	Andover	SF1422	ORGANICS	2/10/82
727	MIDCO	SF1399	INORGANICS	12/21/81
755	Andover	SF1408	ORGANICS	2/12/82
756	MIDCO	SF1407	Organics	2/16/82 3/3/8
776	Pristine	SF1421	Organics EDO 69	2/12/82
682	GM Foundry	CDO 1347	Organics	2/16/82
SAS 109E	New Brighton	SF1461	Organics	3/1/82
792	Isanti	SF1423	Inorganics	3/2/82
776	Pristine	SF1421	Inorganics	3/4/82
855	Various	Various	Formal Reply	3/8/82
888	MIDCO	SF1517	ORGANIC	Need Q.C.
928	G+H Landfill	SF1550	INORGANIC	
907	G+H LANDFILL	SF1537	INORGANIC	
908	Isanti	SF1536	Inorganic	

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

DATE NOV 1 8 1981

SUBJECT Pristine Area Groundwater Study

FROM: Barbara Magel
Tony Holoska

TO: Tom Yeates

During the summer of 1980, Tony and I submitted a TDD to Ecology and Environment requesting a groundwater study of Pristine, Inc., Cincinnati Drum, Inc. and Carstab Corporation, all in Reading, Ohio. The request for this area study was precipitated by reports of buried chemical wastes on the Carstab site and our knowledge of waste handling practices at Pristine, Inc. Installation of wells and sampling was completed at these sites in the winter of 1980-1981. Since then Tony and I have been waiting for submission of a final report on groundwater conditions.

This week, Tony and I were notified by Ecology and Environment that all downgradient samples have been lost or destroyed. The analytical results on those samples are necessary to any assessment of groundwater conditions in the area. Given the allegations about buried wastes and the existing practices at Pristine, Tony and I feel that the wells now in place should be resampled so that an assessment of groundwater contamination can be made. Therefore Tony and I plan to request the FIT to resample and send for analysis the downgradient groundwater at the wells already installed. The resampling is tentatively scheduled for sometime during the week of December 7, 1981 provided approval of EPA is obtained.

ROD,
WRITE UP A TDD-MOD.
ON THIS.

Thanx,
Joe

SAMPLING DATA

gks 10/2/90

RECEIPT FOR SAMPLES

U.S. EPA, 230 S. Dearborn St., Chicago, IL 60604

U.S. EPA ID NO OHD000724138

PROJ. ACCT. NO. FOH0022SA

TDD F05-9008-013

SPLIT SAMPLES ACCEPTED(X) DECLINED( )

FACILITY/OCCUPANT NAME: Carstab Corp

FACILITY/OCCUPANT ADDRESS: 2000 West Street, Reading, OH 45215

SAMPLE NUMBER	DATE	TIME	SPLIT SAMPLES (✓)	OTR#	ITR#	DESCRIPTION OF SAMPLE LOCATIONS	SEMIVOLATILES	PESTICIDES/PCBS	VOLATILES	METALS	CYANIDE			MATRIX
S1	10/1/90	1400	X	EHW74	MEGS71	S1 S=Soil	X	X	X	X	X			Soil
S2	10/1/90	1640	X	EHW75	MEGS72	S2	X	X	X	X	X			Soil
S3	10/1/90	1700	X	EHW76	MEGS73	S3	X	X	X	X	X			Soil
S4	10/1/90	1730	X	EHW77	MEGS74	S4	X	X	X	X	X			Soil
S5	10/1/90	1750	X	EHW78	MEGS75	S5	X	X	X	X	X			Soil
S6	10/1/90	1810	X	EHW79	MEGS76	S6	X	X	X	X	X			Soil
S7	10/1/90	1830	X	EHW80	MEGS77	S7	X	X	X	X	X			Soil
MW1	10/2/90	1425	X	EHW81	MEGS78	MW1 MW=Monitor well	X	X	X	X	X			groundwater
MW2	10/2/90	1530	X	EHW82	MEGS79	MW2	X	X	X	X	X			groundwater
MW3	10/2/90	1515	X	EHW83	MEGS80	MW3	X	X	X	X	X			groundwater
MW4	10/2/90	1415	X	EHW84	MEGS81	MW4	X	X	X	X	X			groundwater
MW5	10/2/90	1630	X	EHW85	MEGS82	MW5	X	X	X	X	X			groundwater
~~MW~~														

TRANSFERRED BY: Courtney Schmidt (Signature) 10/2/90 (Date) 1642 (Time)

RECEIVED BY: John L Hanley (Signature) 10/02/90 (Date) 1650 (Time)

DISTRIBUTION
WHITE: FIT SITE FILE
YELLOW: FACILITY/OCCUPANT
GREEN: FIT SAMPLE MANAGEMENT
PINK: U.S. EPA

TITLE: Sr. Adm. Environmental + Product Safety

TELEPHONE: (513) 733 2127

DATE: 2/21/91
TIME: 8:19:28

CODE	PRODUCT NAME	SYNONYM
A186	MINERAL OIL	
A187	LIQUID LUBRICANT	
A318	ALPHA OLEFINS	
C104	TRIBUTYLPHOSPHINE	
C171	DIETHYL HYDROGEN PHOSPHITE	
C181	DIBUTYL HYDROGEN PHOSPHITE	
C206	TRIPHENYLPHOSPHINE	
D045	SODIUM SULFHYDRATE-45% SOL.	
D301	DIMETHYL THIODIPROPIONATE	
D302	DILAURYL THIODIPROPIONATE	
E022	ETHYLENEDIAMINE 99%	
E042	RESIDUAL TRIETHANOLAMINE	TEA
E091	DIMETHYLAMINOPROPYLAMINE	
E140	POLYETHYLENE POLYAMINES	
E142	RESIDUAL ETHYLENEAMINE STREAM	
E144	RESIDUAL TRIAMINES HIBV	
E146	WET POLYAMINE RESIDUE	
E148	HIGH BV AMINE STREAM	
E149	RESIDUAL TRIAMINES LOBV	
E252	EDTA LIQUID	
E330	TRIMETHYLAMINE	
E411	ETHOXYLATED POLYAMINE RES.	
G021	BENZYLCHLORIDE	
G071	N-BUTYLCHLORIDE	
G082	ETHYL CHLORIDE	
G083	METHYL CHLORIDE	

Purchased Products.

DATE: 2/21/91
TIME: 8:19:28

CODE	PRODUCT NAME	SYNONYM
G091	BETA CHLOR	
G141	BISPHENOL AF	
G151	P-CHLOROPHENYLSULFONE	PCPS
G301	ETHYL IODIDE	
H281	ZINC OCTOATE	
I021	ACETIC ACID	
I025	ACETIC ANHYDRIDE	
I071	PELARGONIC ACID	
I082	SEBASIC ACID	
I095	LAURIC ACID	
I111	TALL OIL ACID HEADS	
I131	STEARIC ACID 1 IV MAX.	
I132	STEARIC ACID 95%	
I139	STEARIC ACID 1.75 IV MAX.	
I140	STEARIC ACID. LS SPECIF.	
I152	DOUBLE DIST. OLEIC ACID	
I154	SINGLE DIST. FATTY ACID	
I162	SD HI ROSIN TA-FA	
I173	DIST TALL OIL ACID HI ROSIN	
I292	MALEIC ANHYDRIDE	
I315	THIOGLYCOLIC ACID 97% MIN.	
I331	B-MERCAPTOPROPIONIC ACID	
J012	PARA-TOLUENE SULFONIC ACID	
K115	CYCLOHEXANONE CRACKING RES	
K201	METHYL ISO-BUTYL KETONE	MIBK
L104	GLYCERINE.96%. LS SPECIF.	

DATE: 2/21/91
TIME: 8:19:28

CODE	PRODUCT NAME	SYNONYM
L111	CHOICE WHITE GREASE	
L113	BLEACHABLE FANCY TALLOW	
L131	CRUDE COTTONSEED OIL	
L402	GLYCERYL MONOSTEARATE	
M112	METHYL ESTERS	
M153	GLYCERYL MONOLEATE	
M155	METHYL ESTER FATTY	
M201	ISO-OCTYLTHIOGLYCOLATE	TO-8
M211	TO-9	
M231	ISOOCTYL TALLATE EPOXIDIZED	
N011	METHANOL	
N031	ISOPROPANOL,ANHY 99%	
N081	N-BUTANOL	
N141	ISO-OCTANOL	
N145	2 ETHYL HEXANOL	
N151	LAURYL ALCOHOL	
N161	STEARYL ALCOHOL	
N181	MYRISTYL ALCOHOL	
N301	2-MERCAPTOETHANOL	
O011	GLYCERINE	
O031	PROPYLENE GLYCOL	
O041	DIETHYLENE GLYCOL	
O101	DI-T-BUTYL HYDROQUINONE	
O141	BISPHENOL A	
O161	BUTYLATED HYDROXYTOLUENE	BHT
O181	BUTYLATED BISPHENOL A	

DATE: 2/21/91
TIME: 8:19:28

CODE	PRODUCT NAME	SYNONYM
0191	E GLYCOL METHYL ETHER	
0261	TETRAETHYLENEGLYCOL BTTMS	
0265	POLYETHYLENE GLYCOL BTTMS	
0270	GLYCOL ETHERS RESIDUES	
0275	TETRAETHYLENE GLYCOL	
P011	EPOXIDIZED SOYA OIL	
P084	PETROLEUM SULFONATE	
P100	NONIONIC SURFACTANT	
Q000	BULK TANK/TANK TRUCKS	
Q002	TOTE TANKS	
Q003	RAIL CARS	
Q004	TOTE ONE WAY	DISP.TOTE
Q005	TOTE CORRUGATED ONE WAY	
Q008	SUPERSACK 1000 LB	
Q009	SUPERSACK 2000 LB	
Q014	15 GAL DRUM PELINED FIBER	
Q021	30 GAL DRUM PLAIN FIBER	
Q022	30 GAL DRUM FIBER & LINER	
Q028	51 GAL DRUM PLAIN FIBER	
Q029	51 GAL DRUM FIBER & LINER	
Q032	61 GAL DRUM FIBER/LINED	
Q046	PALLET-40+48-LS/WAX	
Q047	PALLET-43+35-4 WAY SPEC.	
Q055	55 GAL DRUM OTS RECOND.	
Q056	55 GAL DRUM THIO RECOND.	
Q057	55 GAL DRUM OH RECOND.	

DATE: 2/21/91
TIME: 8:19:28

CODE	PRODUCT NAME	SYNONYM
Q058	55 GAL DRUM OH LL NEW	
Q059	55 GAL DRUM OH DISPOSAL	
Q060	55 GAL DRUM OTS DISPOSAL	
Q061	55 GAL DRUM OTS 474LL	474 LL
Q062	55 GAL DRUM POLYLINED	
Q063	55 GAL DRUM POLYINSERT	
Q065	55 GAL DRUM OTS 474LL RED	
Q066	55 GAL DRUM OTS 474LL BLU	
Q072	5 GAL SMOOTH SIDED STEEL PAIL	
Q073	5 GAL PAIL PLATN	
Q074	5 GAL PATL J LINER	
Q078	5 GAL PAIL PLASTIC	
Q083	50 LB. ADVAPAK BAG/PALLET	
Q084	EZ-FLO BOX GREEN PREPRINT	ADVAPAK
Q085	EZ-FLO BOX BROWN PRINT LS203HP	LS203HF
Q086	EZ-FLO BOX GREY PRINT, LS203HF	LS203HF
Q087	EZ-FLO BOX PURPLE, ML-2516	ML-2516
Q088	LS CARTON PLAIN NO FLAP	
Q089	LS CARTON BLUE NO FLAP	
Q090	LS CARTON RED NO FLAP	
Q091	2 CU FT. CARTON LINED	
Q092	LS CARTON PRE-PRINTED RED	
Q094	LS CARTON NON-PRINTED	
Q095	LS CARTON PRINTED	
Q096	50 LB. BAG & PALLET	
Q097	25 CU FT BOX & LINER	

DATE: 2/21/91
TIME: 8:19:28

CODE	PRODUCT NAME	SYNONYM
Q099	55 GAL USED DRUM	
R012	PARAFFIN WAX 155F FDA	
R013	PARAFFIN WAX-UNFILTERED	
R020	POLYETHYLENE WAX	
R021	OXIDIZED POLYETHYLENE WAX	
R073	PERFUME	
R091	UNFINISHED PARAFFIN WAX	
R111	SILICONE DEFOAMER	
R200	VANILLIN USP	
T201	DIBUTYLTIN OXIDE	
T280	DIOCTYLTINOXIDE	
T290	MONO-N-OCTYLTIN OXIDE	
T601	TETRAISOPROPYL TITANATE	
U011	PHOSPHORIC ACID	
U051	PHOSPHOROUS ACID	
V011	AQUEOUS AMMONIA	
V015	ANHYDROUS AMMONIA	
V025	SODIUM HYDROXIDE 50%	
V032	POTASSIUM HYDROXIDE 45%	
V061	CALCIUM HYDROXIDE	
V081	MAGNESIUM HYDROXIDE	
W026	SODIUM HYPOCHLORITE	
W031	SODIUM SULPHATE	
W061	SODA ASH	
W083	GROUND LIMESTONE	
W340	COPPER CHLORIDE SOL 10%Cu	

DATE: 2/21/91
TIME: 8:19:28

CODE	PRODUCT NAME	SYNONYM
W350	55% COPPER CHLORIDE SOL.	
W351	CUPRIC CHLORIDE DIHYDRATE	
X011	WATER	
X021	HYDROGEN PEROXIDE 50%	
X023	HYDROGEN PEROXIDE-10%	
X031	CHLORINE	
X041	SULFUR	
X191	CARBON DIOXIDE	
X211	TIN INGOTS	
X213	TIN MOLTEN	
Y001	LS PACKAGING COST	
Z015	ACTIVATED CARBON NORITE FDA	
Z018	ACTIVATED CARBON	DARCO-KB
Z021	DIATOMACEOUS EARTH DICALITE	
Z034	BENTONITE CLAY FILTROL G4	
Z041	DIATOMACEOUS EARTH FILTERCEL	
Z061	DIATOMACEOUS EARTH FW50	
5066 55	CAR-A-VAN 6110	
5099 61	SDA	
5151R01	BETA-CHLOR 33	
5300 00	PAVE 100	
5300 55	PAVE 100	
5305 00	PAVE 192	
5305 55	PAVE 192	
5310 00	PAVE BOND	
5310 03	PAVE BOND	

Purchased Products

Intermediate Products

Finished Products manufactured

DATE: 2/21/91
TIME: 8:19:28

CODE	PRODUCT NAME	SYNONYM
5310 55	PAVE BOND	
5310 57	PAVE BOND	
5316 00	PAVE BOND SPECIAL	
5316 02	PAVE BOND SPECIAL	
5316 03	PAVE BOND SPECIAL	
5316 55	PAVE BOND SPECIAL	
5316 57	PAVE BOND SPECIAL	
5316 73	PAVE BOND SPECIAL	
5317 00	PAVE BOND LP	
5317 03	PAVE BOND LP	
5317 55	PAVE BOND LP	
5319 00	PAVE BOND AP SPECIAL	
5319 03	PAVE BOND AP SPECIAL	
5319 55	PAVE BOND AP SPECIAL	
5320 00	PAVE BOND AP	
5320 03	PAVE BOND AP	
5320 55	PAVE BOND AP	
5322 00	CARSTAB BA-2000	
5322 57	CARSTAB BA-2000	
5322557	CARSTAB BA-2000	
5323 00	PAVE BOND ADVANTAGE	
5323 03	PAVE BOND ADVANTAGE	
5323 55	PAVE BOND ADVANTAGE	PAVE BOND
5324 00	PAVE BOND PS	
5324 55	PAVE BOND PS	
5326 00	PAVE BOND LITE	

DATE: 2/21/91
TIME: 8:19:28

CODE	PRODUCT NAME	SYNONYM
5326 55	PAVE BOND LITE	
5326 74	PAVE BOND LITE	
5327 00	PAVE BOND DELTA	
5327 03	PAVE BOND DELTA	
5327 55	PAVE BOND DELTA	
5340 29	ADVAWAX 140	
5342 22	ADVAWAX WL-227	
5342 88	ADVAWAX WL-227	
5343 88	ADVAWAX WL-229	C-2561
5344 97	ADVAWAX ML-1325	C-2512
5345 88	ADVAWAX WL-229	C-2561
5346 88	ADVAPAK WL-229	C-2561
5347 29	ADVAPAK ML-1325	
5347 97	ADVAPAK ML-1325	
5401 28	ADVAWAX 240	
5409 28	ADVAWAX 2410	
5409 96	ADVAWAX 2610	
5410 08	ADVAWAX 280	
5410 09	ADVAWAX 280	280 WAY
5410 28	ADVAWAX 280	
5410 96	ADVAWAX 280	
5410 97	ADVAWAX 280	
5410A96	ADVAWAX 280	
5413 28	ADVAWAX 290	
5413 96	ADVAWAX 290	
5416 08	ADVAWAX 280	

DATE: 2/21/91
TIME: 8:19:28

CODE	PRODUCT NAME	SYNONYM
5416 09	ADVAWAX 280	
5416 28	ADVAWAX 280	
5416 97	ADVAWAX 280	
5456 72	ADVAWAX 450	
6000 00	CARSTAB DLTDP	
6000 14	CARSTAB DLTDP	
6000 22	CARSTAB DLTDP	
6000 29	CARSTAB DLTDP	
6000 32	CARSTAB DLTDP	
6000 91	CARSTAB DLTDP	
6000A32	CARSTAB DLTDP	
6001 14	CARSTAB DSTDP	
6001 22	CARSTAB DSTDP	
6001 29	CARSTAB DSTDP	
6001 32	CARSTAB DSTDP	DSTDP
6006 00	CARSTAB DSTDP-F	
6006 14	CARSTAB DSTDP-F	
6006 22	CARSTAB DSTDP-F	
6006 29	CARSTAB DSTDP-F	
6006 32	CARSTAB DSTDP-F	DSTDP-F
6006A32	CARSTAB DSTDP-F	
6200 02	ADVASTAB TM-929	
6200 61	ADVASTAB TM-929	
6201 02	ADVASTAB TM-181FSE	TM181FSE
6201 61	ADVASTAB TM181FSE	TM181FSE
6202 61	ADVASTAB TM-181FSEM	TM-181FSEM

DATE: 2/21/91
TIME: 8:19:28

CODE	PRODUCT NAME	SYNONYM
6203 61	ADVASTAB TM-709	C-3709
6213 61	ADVASTAB TM-404	
6214 61	ADVASTAB TM-404	
6216 00	ADVASTAB TM-181	TM181EH
6216 02	ADVASTAB TM-181	TM181EH
6216 04	ADVASTAB TM-181	TM181EH
6216 61	ADVASTAB TM-181	TM181EH
6216 62	ADVASTAB TM-181	TM181EH
6216 74	ADVASTAB TM-181	TM181EH
6217 02	ADVASTAB TM-181-S	
6217 04	ADVASTAB TM-181-S	
6217 61	ADVASTAB TM-181-S	
6217 62	ADVASTAB TM-181-S	
6217 74	ADVASTAB TM-181-S	
6218 02	ADVASTAB TM-181-FS	
6218 04	ADVASTAB TM-181-FS	TM-181FS
6218 61	ADVASTAB TM-181-FS	
6218 62	ADVASTAB TM-181-FS	
6218 74	ADVASTAB TM-181-FS	
6218A61	CARSTAB TH-811	TH-811
6218B61	ADVASTAB TM-181-FS	
6219 61	ADVASTAB TM-181-MS	
6219 62	ADVASTAB TM-181-MS	
6220 02	ADVASTAB TM-2080	TM-2080
6220 61	ADVASTAB TM-2080	
6220 74	ADVASTAB TM-2080	TM-2080

DATE: 2/21/91
TIME: 8:19:28

CODE	PRODUCT NAME	SYNONYM
6221 02	ADVASTAB TM-1817	TM-182
6221 61	ADVASTAB TM-1817	TM-182
6222 02	ADVASTAB TM-2080	TM-2080
6222 04	ADVASTAB TM-2080	TM-2080
6222 61	ADVASTAB TM-2080	
6222 74	ADVASTAB TM-2080	TM-2080
6223 04	ADVASTAB TM181-FSM	TM-181FSM
6223 61	ADVASTAB TM-181FSM	TM181FSM
6224 02	ADVASTAB TM-948	
6224 04	ADVASTAB TM-948	
6224 61	ADVASTAB TM-948	
6224 73	ADVASTAB TM-948	
6225 61	ADVASTAB TM-945	C-2245
6226 02	ADVASTAB C-2368	
6227 02	ADVASTAB TM-1815	
6227 61	ADVASTAB TM-1815	
6228 02	ADVASTAB TM-182	TM-1819
6228 61	ADVASTAB TM-182	TM-1819
6233 00	ADVASTAB TM-592D	
6233 02	ADVASTAB TM-592D	
6233 61	ADVASTAB TM-592D	
6235 00	ADVASTAB TM-592	
6235 02	ADVASTAB TM-592	
6235 61	ADVASTAB TM-592	
6235 74	ADVASTAB TM-592	
6235 99	ADVASTAB TM-592	

DATE: 2/21/91
TIME: 8:19:28

CODE	PRODUCT NAME	SYNONYM
6236 00	ADVASTAB TM-692	
6236 02	ADVASTAB TM-692	
6236 04	ADVASTAB TM-692	
6236 61	ADVASTAB TM-692	
6236 74	ADVASTAB TM-692	
6238 02	ADVASTAB TM-604	
6238 61	ADVASTAB TM-604	
6238 74	ADVASTAB TM-604	
6240 02	ADVASTAB TM-692V	
6240 61	ADVASTAB TM-692V	
6240 74	ADVASTAB TM-692V	
6243 00	ADVASTAB TM-694	TM-694
6243 02	ADVASTAB TM-694	
6243 04	ADVASTAB TM-694	
6243 61	ADVASTAB TM-694	
6243 74	ADVASTAB TM-694	
6245 00	ADVASTAB TM-694	TM-694
6245 02	ADVASTAB TM-694	
6245 04	ADVASTAB TM-694	
6245 61	ADVASTAB TM-694	
6249 02	ADVASTAB TM-697	C-2197
6249 61	ADVASTAB TM-697	
6249 74	ADVASTAB TM-697	
6250 02	ADVASTAB TM-696	C-2108
6250 04	ADVASTAB TM-696	TM-696
6250 05	ADVASTAB TM-696	

DATE: 2/21/91
TIME: 8:19:28

CODE	PRODUCT NAME	SYNONYM
6250 61	ADVASTAB TM-696	C-2108
6251 02	ADVASTAB TM-281 TM	
6251 05	ADVASTAB TM-521	
6251 61	ADVASTAB TM-281 IM	
6252 02	ADVASTAB C-2325	C-2325
6252 56	ADVASTAB C-2325	
6253 61	ADVASTAB C-2354	
6254 02	ADVASTAB C-2360	C-2381
6254 61	ADVASTAB C-2360	C-2381
6255 02	ADVASTAB C-2388	
6255 61	ADVASTAB C-2388	
6256 00	ADVASTAB TM-723	
6256 02	ADVASTAB TM-723	
6256 61	ADVASTAB TM-723	
6256 74	ADVASTAB TM-723	
6257 02	ADVASTAB TM-281SP	C-2511
6257 61	ADVASTAB TM-281SP	C-2511
6257 74	ADVASTAB TM-281SP	C-2511
6258 02	ADVASTAB TM-522	
6258 04	ADVASTAB TM-281 IM	
6258 61	ADVASTAB TM-281 IM	
6258 74	ADVASTAB TM-281 IM	
6260 00	ADVASTAB TM-694	
6260 02	ADVASTAB TM-694	
6260 61	ADVASTAB TM-694	
6261 00	ADVASTAB TM-694	

DATE: 2/21/91
TIME: 8:19:28

CODE	PRODUCT NAME	SYNONYM
6261 02	ADVASTAB TM-694	
6261 04	ADVASTAB TM-694	
6261 05	ADVASTAB TM-694	
6261 61	ADVASTAB TM-694	
6261 74	ADVASTAB TM-694	
6262 02	ADVASTAB TM-694	
6262 61	ADVASTAB TM-694	
6263 02	ADVASTAB TM-696	
6263 74	ADVASTAB TM-696	
6264 02	ADVASTAB TM-697	
6264 61	ADVASTAB TM-697	
6264 74	ADVASTAB TM-697	
6265 02	ADVASTAB TM-696	
6265 61	ADVASTAB TM-696	
6265 74	ADVASTAB TM-696	
6266 02	ADVASTAB C-2520	
6266 61	ADVASTAB C-2520	
6267 02	ADVASTAB TM-692	
6267 61	ADVASTAB TM-692	
6268 02	ADVASTAB C-2520	C-2520
6269 61	ADVASTAB TM-2582	
6270 04	ADVASTAB TM-2382	
6270 61	ADVASTAB TM-2382	
6290 61	ADVASTAB WS-379	
6291 02	ADVASTAB WS-499	
6291 61	ADVASTAB WS-499	

DATE: 2/21/91
TIME: 8:19:28

CODE	PRODUCT NAME	SYNONYM
6299 61	ADVASTAB TM-599	TM-599
6302R01	TPP	
6302R14	TPP	
6356 63	DMTDCL 20% MONO SOLUTION	
6356 74	DMTDCL 20% MONO SOLUTION	
6357 63	DMTDCL 20% MONO NEAT	
6357 74	DMTDCL 20% MONO NEAT	
6403 22	BTPPCL	
6403 29	BTPPCL	
6403 78	BTPPCL	
6405 14	ETPPI	
6405 22	ETPPI	
6405 74	ETPPI	
6405 78	ETPPI	
6406 62	TBPCL 90% IN WATER	
6406 63	TBPCL 90% IN WATER	
6409 62	ETPPCL 50%PG	
6409 63	ETPPCL 50%PG	
6417 62	TBPAAC-70% IN METHANOL	
6417 63	TBPAAC-70% IN METHANOL	
6417 74	TBPAAC-70% IN METHANOL	
6418 62	ETPPAAC-70% IN METHANOL	
6418 63	ETPPAAC-70% IN METHANOL	
6418 74	ETPPAAC-70% IN METHANOL	
6752 88	ADVASTAB C-2327	C-2327
6753 29	ADVASTAB C-2614	

DATE: 2/21/91
TIME: 8:19:28

CODE	PRODUCT NAME	SYNONYM
6753 88	ADVASTAB C-2614	
6754 88	ADVASTAB C-2560	
6755 88	ADVASTAB C-2601	
6756 88	ADVAPAK SLS-1000	C-2742
6757 83	ADVAPAK SLS-1000	C-2758
6757 88	ADVAPAK SLS-1000	C-2758
6819 88	ADVASTAB LS-203	C-2284
6819 90	ADVASTAB LS-203	C-2284
6820 29	ADVASTAB LS-203	C-2288
6820 88	ADVASTAB LS-203	C-2288
6820 90	ADVASTAB LS-203	C-2288
6821 90	ADVASTAB LS-203	C-2285
6822 90	ADVASTAB LS-203	C-2293
6823 90	ADVASTAB LS-203	C-2298
6824 90	ADVASTAB LS-203	C-2299
6825 90	ADVASTAB LS-203	C-2334
6826 88	ADVASTAB LS-203	C-2377
6826 89	ADVASTAB LS-203	C-2377
6826 90	ADVASTAB LS-203	C-2377
6827 29	ADVASTAB LS-203	C-2349
6827 88	ADVASTAB LS-203	C-2349
6827 90	ADVASTAB LS-203	C-2349
6828 90	ADVASTAB LS-203	C-2298A
6829 88	ADVASTAB LS-203HP	C-2429
6829 90	ADVASTAB LS-203HP	C-2429
6830 88	ADVASTAB LS-203	C-2438

DATE: 2/21/91
TIME: 8:19:28

CODE	PRODUCT NAME	SYNONYM
6830 90	ADVASTAB LS-203	C-2438
6831 88	ADVASTAB LS-203HP	C-2371
6831 90	ADVASTAB LS-203HP	C-2371
6832 88	ADVASTAB LS-203HP	C-2475
6832 90	ADVASTAB LS-203HP	C-2475
6833 29	ADVASTAB LS-203	C-2558
6833 88	ADVASTAB LS-203	C-2558
6833 90	ADVASTAB LS-203	C-2558
6834 29	ADVASTAB LS-203	C-2549
6834 88	ADVASTAB LS-203	C-2549
6835 29	ADVASTAB LS-203	C-2550
6835 88	ADVASTAB LS-203	C-2550
6835 89	ADVASTAB LS-203	C-2550
6835 90	ADVASTAB LS-203	C-2550
6835P88	ADVASTAB MS-60	LS-203
6836 29	ADVASTAB LS-203	C-2552
6836 88	ADVASTAB LS-203	C-2552
6836 90	ADVASTAB LS-203	C-2552
6837 29	ADVASTAB LS-203	C-2553
6837 89	ADVASTAB LS-203	C-2553
6838 29	ADVASTAB LS-203	C-2554
6838 88	ADVASTAB LS-203	C-2554
6838 90	ADVASTAB LS-203	C-2554
6839 29	ADVASTAB LS-203	C-2555
6839 88	ADVASTAB LS-203	C-2555
6839 90	ADVASTAB LS-203	C-2555

DATE: 2/21/91
TIME: 8:19:28

CODE	PRODUCT NAME	SYNONYM
6840 29	ADVASTAB LS-203	C-2557
6840 88	ADVASTAB LS-203HP	C-2557
6840 90	ADVASTAB LS-203	C-2557
6842 88	ADVASTAB LS203HF	C-2371
6843 88	ADVASTAB LS-203	C-2587
6843 89	ADVASTAB LS-203	C-2587
6843 90	ADVASTAB LS-203	
6850 88	ADVASTAB LS-203	C-2632
6851 84	ADVASTAB LS-203	
6851 89	ADVASTAB LS-203	C-2633
6852 29	ADVAPAK LS-203HP	
6852 84	ADVAPAK LS-203	C-2740
6852 85	ADVAPAK LS-203HP	
6852 88	ADVAPAK LS-203HP	C-2639
6853 84	ADVAPAK LS-203	C-2594
6853 88	ADVAPAK LS-203	C-2594
6853 90	ADVAPAK LS-203	C-2594
6854 84	ADVAPAK LS-203	
6854 88	ADVAPAK LS-203	C-2641
6854 90	ADVAPAK LS-203	C-2641
6855 29	ADVAPAK LS-203	C-2726
6855 84	ADVAPAK LS-203	C-2726
6855 88	ADVAPAK LS-203	C-2726
6855 90	ADVAPAK LS-203	C-2726
6856 84	ADVASTAB LS-203	
6856 90	ADVASTAB LS-203	C-2642

DATE: 2/21/91
TIME: 8:19:28

CODE	PRODUCT NAME	SYNONYM
6857 86	ADVASTAB LS-203HF	
6857 88	ADVASTAB LS-203HF	
6858 89	ADVASTAB LS-203	
6859 29	ADVAPAK LS-203	C-2722
6859 88	ADVAPAK LS-203	C-2722
6860 29	ADVAPAK LS-203	C-2701
6860 88	ADVAPAK LS-203	C-2701
6861 29	ADVAPAK MS-60	
6861 88	ADVAPAK MS-60	
6862 29	ADVAPAK LS-203	C-2734
6862 84	ADVAPAK LS-203	C-2734
6862 88	ADVAPAK LS-203	C-2734
6870 88	ADVAPAK TM-709	
6911 00	ADVASTAB TM-790	
6911 02	ADVASTAB TM-790	
6911 03	ADVASTAB TM-790	
6911 74	ADVASTAB TM-790	
6912 00	ADVASTAB TM-790	C-2458
6912 02	ADVASTAB TM-790	C-2458
6912 05	ADVASTAB TM-790	C-2458
6913 88	ADVAWAX ML-2516	C-2401
6914 02	ADVASTAB C-2584	
6915 88	ADVAWAX ML-2516	C-2534
6916 88	ADVAWAX ML-2516	C-2535
6917 87	ADVAPAK ML-2516	
6917 88	ADVAPAK ML-2516	C-2643

DATE: 2/21/91
TIME: 8:19:28

CODE	PRODUCT NAME	SYNONYM
6918 83	ADVAPAK ML-2516	
6918 87	ADVAPAK ML-2516	
6918 88	ADVAPAK ML-2516	C-2644
6918 96	ADVAPAK ML-2516	
6919 88	ADVAWAX ML-2516	C-2623
6920 29	ADVAPAK ML-2516	C-2727
6920 87	ADVAPAK ML-2516	
6920 88	ADVAPAK ML-2516	C-2645
6921 29	ADVASTAB C-2540	FOAMLS
6921 83	ADVASTAB C-2540	FOAMLS
6921 88	ADVASTAB C-2540	FOAMLS
6921 96	ADVAPAK C-2540	C-2540

Manufactured Products for sale

9120 00	STANNIC CHLORIDE	
9229 02	ADVASTAB TM-188	TM-188
9229 61	ADVASTAB TM-188	TM-188
9256 00	DMTDCL 20% MONO NEAT	
9264 00	DMTDCL 90% MONO NEAT	
9278 00	INTERMEDIATE C-2545	
9278 02	INTERMEDIATE C-2545	
9278 61	INTERMEDIATE C-2545	
9282 61	INTERMEDIATE C-2190	C-2190
9285 00	ADVASTAB TM-593D	TM-593D
9285 02	ADVASTAB TM-593D	TM-593D
9285 61	ADVASTAB TM-593D	TM-593D
9290 00	ADVASTAB TM-593	TM-593

Intermediate Products

DATE: 2/21/91
TIME: 8:19:28

CODE	PRODUCT NAME	SYNONYM
9290 61	ADVASTAB TM-593	TM-593
9292 02	ADVASTAB TM-181X	
9295 00	ADVASTAB TM-303	
9295 61	ADVASTAB TM-303	
9298 00	INTERMEDIATE C-2496	
9298 61	INTERMEDIATE C-2496	
9299 00	ADVASTAB TM-599	
9299 02	ADVASTAB TM-599	
9299 61	ADVASTAB TM-599	TM-599
9305 00	PAVE BOND CONC.	
9305 55	PAVE BOND CONC.	
9316 00	EXTENDED RESIDUAL TRIAMINES	
9317 00	PAVE BOND LP CONCENTRATE	
9340 00	ETPPI WET	
9350 00	BTPPCL WET	
9375 00	ASPHALT DILUENT MIX	
9580 00	SODIUM SULFHYDRATE-30%	
9660 00	TO-8	
9660 61	TO-8	
9661 00	TO-26	
9661 61	TO-26	
9680 56	MP-26	
9690 00	2-MEO	
9715 00	TREATED UNFINISHED WAX	

DATE: 8/11/82

TO: Rod Blose

FROM: Rene Van Someren

SUBJECT: Analytical Results for [illegible]

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

I have forwarded the data to _____ for further review.

The attached [illegible]

be used in [illegible]

the attached memo.

Telephone

ENVIRONMENTAL PROTECTION AGENCY
Office of Enforcement

NATIONAL ENFORCEMENT INVESTIGATIONS CENTER
Building 53, Box 25227, Denver Federal Center
Denver, Colorado 80225

RECEIPT FOR SAMPLES

PROJ. NO. TDD# F5-8007-2A

PROJECT NAME: Pristine - Cincinnati Drum - Canstab

Name of Facility: Pristine, Inc.

SAMPLERS: (Signature) Rodney T. Bloese

Facility Location: Big Four and Smalley Roads Reading, Ohio

Split Samples Offered: (X) Accepted ( ) Declined

STA. NO.	DATE	TIME	COMP.	GRAB	SPLIT SAMPLES	TAG NUMBERS	STATION DESCRIPTION	NO. OF CONTAINERS	REMARKS
Boring 4	1-12-81			X	X	4-1, 4-2, 4-3, 4-4, 4-5, 4-6, 4-7, 4-8	NW Portion of Facility	8 Jars	Split Spoon Soil Samples
Boring 6	1-13-81			X	X	6-1, 6-2, 6-3, 6-4, 6-5, 6-6	W - Central Portion of Facility	6 Jars	Split Spoon Soil Samples
Boring 7	1-13-81			X	X	7-1, 7-2, 7-3, 7-4, 7-5, 7-6	SW Portion of Facility	6 Jars	Split Spoon Soil Samples
Boring 7	1-13-81			X	No	7-ST1, 7-ST2, 7-ST3	SW Portion of Facility	3 Tubes	Shelby Tube Soil Samples

Transferred by: (Signature) Rodney T. Bloese

Date | Time

Received by: (Signature) | Telephone

Title | Date | Time

...ution: Original to Contractor Field Files; Copy to Facility

4. physical condition of the plant, and

5. surface runoff.

PHASE I - Completion of Preliminary Investigation

The following are information requirements necessary to complete a preliminary investigation of the subject facility:

1. legal description of the facility

2. quadrangle map of the area

3. aerial photographs of the facility

4. additional boring logs

5. site map indicating contours and site features

6. incinerator specifications and operating requirements

7. further identification of the waste being processed

The following sources shall be utilized to obtain the above information:

1. Ohio EPA

2. City of Reading

3. ASCS and SCS offices

4. Ohio Department of Natural Resources

5. Private citizens in the neighborhood and previous complainant

6. Companies who have patronized Pristine

7. Pristine, Inc.

8. Manufacturers of Pristine's processing equipment

The above activity will be completed by June 27, 1980. Coincident with the information gathering activity, an off-site reconnaissance will be conducted to perform the following:

1. Evaluate the surrounding area

   a. other potential sources of pollution

   b. general conditions of the area (physical characteristics)