

From: American Laboratories and
Research Services, Inc.
P.O. Box 15609
Hattiesburg, MS 39402-5609
601-264-9320

Date: April 3, 1990

To: Vista Chemical Comapny
P.O. Box 200135
Austin, TX 78720-0135

The following analytical results have been obtained for the
indicated sample which was submitted to this laboratory:

Sample I.D. AA03421

Sample location: VISTA Vista Sample Loc. SP-7-3-2

Collected by: K. MCCALISTER Collection date: 03/21/90 Time: 15:15

Laboratory submittal date: 03/22/90 Time: 23:10

Received by: RLH Validated by: RLH

Parameter: TCLP Organics
Method reference: SW846 3rd Ed
Result: see appended report
Date started: 04/01/90
Time started: 16:02

Date finished: 04/02/90
Analyst: RLH

Parameter: TCLP Metals
Method reference: SW846 3rd Ed
Result: see appended report
Date started: 04/01/90
Time started: 08:00

Date finished: 04/03/90
Analyst: JWP

Parameter: NACE Corrosivity
Method reference: TM-01-69
Result: less than 6.35 mmpy
Date started: 03/29/90
Time started: 19:05

Date finished: 03/30/90
Analyst: BB

CWH 000010113

Vista Chemical Comapny
Page: 2
April 3, 1990

Sample I.D. AA03421 (continued)

Parameter: Ignitability
Method reference: SW846 3rd Ed
Result: greater than 140 Degrees F
Date started: 04/02/90 Date finished: 04/02/90
Time started: 04:00 Analyst: JKP

Parameter: Reactivity
Method reference: SW846 3rd Ed
Result: see appended report
Date started: 03/23/90 Date finished: 04/02/90
Time started: 01:00 Analyst: BB

Parameter: Oil and Grease
Method reference: EPA 413.1
Result: 65000 mg/L MDL or sensitivity: 5
Date started: 03/29/90 Date finished: 03/29/90
Time started: 12:30 Analyst: KA

Parameter: Moisture content
Method reference: SW-846
Result: 54.05 % MDL or sensitivity: .1
Date started: 04/02/90 Date finished: 04/02/90
Time started: 14:30 Analyst: MB

Data for TCLP Organics ug/L

Component Name	Concentration	Component MDL
Acrylonitrile	Not Det	200
Benzene	580	10
Carbon Disulfide	Not Det	10
Carbon Tetrachloride	Not Det	10
Chlorobenzene	Not Det	10
Chloroform	Not Det	10
1,2-Dichloroethane	Not Det	10
1,1-Dichloroethene	Not Det	10
Isobutanol	Not Det	200
Methylene Chloride	Not Det	10
Methyl Ethyl Ketone	Not Det	10
1,1,1,2-Tetrachloroethane	Not Det	10
1,1,2,2-Tetrachloroethane	Not Det	10
Tetrachloroethene	Not Det	10
Toluene	44	10
1,1,1-Trichloroethane	Not Det	10
1,1,2-Trichloroethane	Not Det	10
Trichloroethene	Not Det	10

CWH 000010114

Data for TCLP Organics (continued)

Component Name	Concentration	Component MDL
Vinyl Chloride	Not Det	10
Pyridine	Not Det	100
Phenol	Not Det	10
bis(2-Chloroethyl) Ether	Not Det	10
1,4-Dichlorobenzene	Not Det	10
1,2-Dichlorobenzene	Not Det	10
Cresols, total	130	10
Hexachloroethane	Not Det	10
Nitrobenzene	Not Det	10
Hexachlorobutadiene	Not Det	10
2,4,6-Trichlorophenol	Not Det	10
2,4,5-Trichlorophenol	Not Det	50
2,4-Dinitrotoluene	Not Det	10
2,3,4,6-Tetrachlorophenol	Not Det	50
Hexachlorobenzene	Not Det	10
Pentachlorophenol	Not Det	50
2,4-D	Not Det	100
2,4,5-TP(Silvex)	Not Det	10
Chlordane	Not Det	10
Endrin	Not Det	2
Heptachlor	Not Det	1
Heptachlor Epoxide	Not Det	1
Lindane	Not Det	1
Methoxychlor	Not Det	10
Toxaphene	Not Det	20

Data for Reactivity mg/L

Component Name	Concentration	Component MDL
Cyanide	Not Det	.1
Sulfide	Not Det	.1
Water	No Reaction	

Data for TCLP Metals mg/L

Component Name	Concentration	Component MDL
Arsenic, TCLP	Not Det	.005
Barium, TCLP	3.00	.01

Data for TCLP Metals (continued)

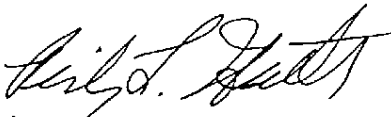
Component Name	Concentration	Component MDL
Cadmium, TCLP	.02	.01
Chromium, TCLP	Not Det	1
Mercury, TCLP	Not Det	.01
Lead, TCLP	.4	.2
Selenium, TCLP	Not Det	.005
Silver, TCLP	.04	.01

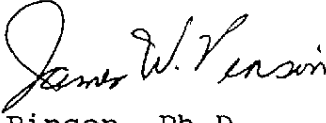
Comments:

Reference Lab Report No. R1100.

All the appropriate EPA protocol including blanks, spikes, and duplicates were followed for these samples.

If there are any questions regarding this data, please call.


Ricky L. Hatton, Ph.D.
Vice President


Reviewed By: James W. Pinson, Ph.D.
President

From: American Laboratories and
Research Services, Inc.
P.O. Box 15609
Hattiesburg, MS 39402-5609
601-264-9320

Date: April 3, 1990

To: Vista Chemical Company
P.O. Box 200135
Austin, TX 78720-0135

The following analytical results have been obtained for the
indicated sample which was submitted to this laboratory:

Sample I.D. AA03422

Sample location: VISTA Vista Sample Loc. SP-9-7-6

Collected by: N. MCCALISTER Collection date: 03/21/90 Time: 16:30

Laboratory submittal date: 03/22/90 Time: 23:10

Received by: RLH Validated by: RLH

Parameter: TCLP Organics
Method reference: SW846 3rd Ed
Result: see appended report
Date started: 04/01/90
Time started: 16:46

Date finished: 04/02/90
Analyst: RLH

Parameter: TCLP Metals
Method reference: SW846 3rd Ed
Result: see appended report
Date started: 04/01/90
Time started: 08:00

Date finished: 04/03/90
Analyst: JWP

Parameter: NACE Corrosivity
Method reference: TM-01-69
Result: less than 6.35 mmpy
Date started: 03/29/90
Time started: 19:05

Date finished: 03/30/90
Analyst: BB

CWH 000010117

Vista Chemical Company
Page: 2
April 3, 1990

Sample I.D. AA03422 (continued)

Parameter: Ignitability
Method reference: SW846 3rd Ed
Result: greater than 140 Degrees F
Date started: 04/02/90 Date finished: 04/02/90
Time started: 07:00 Analyst: JKP

Parameter: Reactivity
Method reference: SW846 3rd Ed
Result: see appended report
Date started: 03/23/90 Date finished: 04/02/90
Time started: 01:00 Analyst: BB

Parameter: Oil and Grease
Method reference: EPA 413.1
Result: 18000 mg/L MDL or sensitivity: 5
Date started: 03/29/90 Date finished: 03/29/90
Time started: 12:30 Analyst: KA

Parameter: Moisture content
Method reference: SW-846
Result: 80.17 % MDL or sensitivity: .1
Date started: 04/02/90 Date finished: 04/02/90
Time started: 14:30 Analyst: MB

Data for TCLP Organics ug/L

Component Name	Concentration	Component MDL
Acrylonitrile	Not Det	200
Benzene	680	10
Carbon Disulfide	Not Det	10
Carbon Tetrachloride	Not Det	10
Chlorobenzene	Not Det	10
Chloroform	Not Det	10
1,2-Dichloroethane	Not Det	10
1,1-Dichloroethene	Not Det	10
Isobutanol	Not Det	200
Methylene Chloride	Not Det	10
Methyl Ethyl Ketone	92	10
1,1,1,2-Tetrachloroethane	Not Det	10
1,1,2,2-Tetrachloroethane	Not Det	10
Tetrachloroethene	Not Det	10
Toluene	31	10
1,1,1-Trichloroethane	Not Det	10
1,1,2-Trichloroethane	Not Det	10
Trichloroethene	Not Det	10

Data for TCLP Organics (continued)

Component Name	Concentration	Component MDL
Vinyl Chloride	Not Det	10
Pyridine	Not Det	100
Phenol	Not Det	10
bis(2-Chloroethyl) Ether	Not Det	10
1,4-Dichlorobenzene	Not Det	10
1,2-Dichlorobenzene	Not Det	10
Cresols, total	Not Det	10
Hexachloroethane	Not Det	10
Nitrobenzene	Not Det	10
Hexachlorobutadiene	Not Det	10
2,4,6-Trichlorophenol	Not Det	10
2,4,5-Trichlorophenol	Not Det	50
2,4-Dinitrotoluene	Not Det	10
2,3,4,6-Tetrachlorophenol	Not Det	50
Hexachlorobenzene	Not Det	10
Pentachlorophenol	Not Det	50
2,4-D	Not Det	100
2,4,5-TP(Silvex)	Not Det	10
Chlordane	Not Det	10
Endrin	Not Det	2
Heptachlor	Not Det	1
Heptachlor Epoxide	Not Det	1
Lindane	Not Det	1
Methoxychlor	Not Det	10
Toxaphene	Not Det	20

Data for Reactivity mg/L

Component Name	Concentration	Component MDL
Cyanide	Not Det	.1
Sulfide	Not Det	.1
Water	No Reaction	

Data for TCLP Metals mg/L

Component Name	Concentration	Component MDL
Arsenic, TCLP	Not Det	.005
Barium, TCLP	4.00	.01

Vista Chemical Company
Page: 4
April 3, 1990

Sample I.D. AA03422 (continued)

Data for TCLP Metals (continued)

Component Name	Concentration	Component MDL
Cadmium, TCLP	.02	.01
Chromium, TCLP	Not Det	1
Mercury, TCLP	Not Det	.01
Lead, TCLP	Not Det	.2
Selenium, TCLP	Not Det	.005
Silver, TCLP	.02	.01

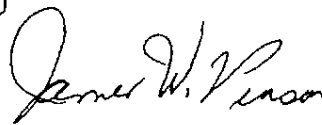
Comments:

Reference Lab Report No. R1100.

All the appropriate EPA protocol including blanks, spikes, and duplicates were followed for these samples.

If there are any questions regarding this data, please call.


Ricky L. Hatton, Ph.D.
Vice President


Reviewed By: James W. Pinson, Ph.D.
President

CWH 000010120

From: American Laboratories and
Research Services, Inc.
P.O. Box 15609
Hattiesburg, MS 39402-5609
601-264-9320

Date: April 3, 1990

To: Vista Chemical Company
P.O. Box 200135
Austin, TX 78720-0135

The following analytical results have been obtained for the
indicated sample which was submitted to this laboratory:

Sample I.D. AA03423

Sample location: VISTA Vista Sample Loc. SP-11-3-8

Collected by: N. MCCALISTER Collection date: 03/21/90 Time: 17:00

Laboratory submittal date: 03/22/90 Time: 23:10

Received by: RLH Validated by: RLH

Parameter: TCLP Organics
Method reference: SW846 3rd Ed
Result: see appended report
Date started: 04/01/90
Time started: 17:34

Date finished: 04/02/90
Analyst: RLH

Parameter: TCLP Metals
Method reference: SW846 3rd Ed
Result: see appended report
Date started: 04/01/90
Time started: 08:00

Date finished: 04/03/90
Analyst: JWP

Parameter: NACE Corrosivity
Method reference: TM-01-69
Result: less than 6.35 mmpy
Date started: 03/29/90
Time started: 19:05

Date finished: 03/30/90
Analyst: BB

CWH 000010121

Vista Chemical Company
Page: 2
April 3, 1990

Sample I.D. AA03423 (continued)

Parameter: Ignitability
Method reference: SW846 3rd Ed
Result: greater than 140 Degrees F
Date started: 04/02/90 Date finished: 04/02/90
Time started: 16:00 Analyst: RLH

Parameter: Reactivity
Method reference: SW846 3rd Ed
Result: see appended report
Date started: 03/23/90 Date finished: 04/02/90
Time started: 01:00 Analyst: BB

Parameter: Oil and Grease
Method reference: EPA 413.1
Result: 58000 mg/L MDL or sensitivity: 5
Date started: 03/29/90 Date finished: 03/29/90
Time started: 12:30 Analyst: KA

Parameter: Moisture content
Method reference: SW-846
Result: 46.87 % MDL or sensitivity: .1
Date started: 04/02/90 Date finished: 04/02/90
Time started: 14:30 Analyst: MB

Data for TCLP Organics ug/L

Component Name	Concentration	Component MDL
Acrylonitrile	Not Det	200
Benzene	1000	10
Carbon Disulfide	Not Det	10
Carbon Tetrachloride	Not Det	10
Chlorobenzene	Not Det	10
Chloroform	Not Det	10
1,2-Dichloroethane	Not Det	10
1,1-Dichloroethene	Not Det	10
Isobutanol	Not Det	200
Methylene Chloride	23	10
Methyl Ethyl Ketone	40	10
1,1,1,2-Tetrachloroethane	Not Det	10
1,1,2,2-Tetrachloroethane	Not Det	10
Tetrachloroethene	Not Det	10
Toluene	110	10
1,1,1-Trichloroethane	Not Det	10
1,1,2-Trichloroethane	Not Det	10
Trichloroethene	Not Det	10

CWH 000010122

Data for TCLP Organics (continued)

Component Name	Concentration	Component MDL
Vinyl Chloride	Not Det	10
Pyridine	Not Det	100
Phenol	79	10
bis(2-Chloroethyl) Ether	Not Det	10
1,4-Dichlorobenzene	Not Det	10
1,2-Dichlorobenzene	Not Det	10
Cresols, total	41	10
Hexachloroethane	Not Det	10
Nitrobenzene	Not Det	10
Hexachlorobutadiene	Not Det	10
2,4,6-Trichlorophenol	Not Det	10
2,4,5-Trichlorophenol	Not Det	50
2,4-Dinitrotoluene	Not Det	10
2,3,4,6-Tetrachlorophenol	Not Det	50
Hexachlorobenzene	Not Det	10
Pentachlorophenol	Not Det	50
2,4-D	Not Det	100
2,4,5-TP(Silvex)	Not Det	10
Chlordane	Not Det	10
Endrin	Not Det	2
Heptachlor	Not Det	1
Heptachlor Epoxide	Not Det	1
Lindane	Not Det	1
Methoxychlor	Not Det	10
Toxaphene	Not Det	20

Data for Reactivity mg/L

Component Name	Concentration	Component MDL
Cyanide	Not Det	.1
Sulfide	Not Det	.1
Water	No Reaction	

Data for TCLP Metals mg/L

Component Name	Concentration	Component MDL
Arsenic, TCLP	Not Det	.005
Barium, TCLP	3.00	.01

Vista Chemical Company
Page: 4
April 3, 1990

Sample I.D. AA03423 (continued)

Data for TCLP Metals (continued)

Component Name	Concentration	Component MDL
Cadmium, TCLP	.01	.01
Chromium, TCLP	Not Det	1
Mercury, TCLP	Not Det	.01
Lead, TCLP	Not Det	.2
Selenium, TCLP	Not Det	.005
Silver, TCLP	.01	.01

Comments:
Reference Lab Report No. R1100.

All the appropriate EPA protocol including blanks, spikes, and duplicates were followed for these samples.

If there are any questions regarding this data, please call.



Ricky L. Hatton, Ph.D.
Vice President



Reviewed By: James W. Pinson, Ph.D.
President

From: American Laboratories and
Research Services, Inc.
P.O. Box 15609
Hattiesburg, MS 39402-5609
601-264-9320

Date: April 3, 1990

To: Vista Chemical Company
P.O. Box 200135
Austin, TX 78720-0135

The following analytical results have been obtained for the
indicated sample which was submitted to this laboratory:

Sample I.D. AA03424

Sample location: VISTA Vista Sample Loc. NP-1-8-6

Collected by: N. MCCALISTER Collection date: 03/22/90 Time: 10:15

Laboratory submittal date: 03/22/90 Time: 23:10

Received by: RLH Validated by: RLH

Parameter: TCLP Organics
Method reference: SW846 3rd Ed
Result: see appended report
Date started: 04/01/90
Time started: 18:19

Date finished: 04/02/90
Analyst: RLH

Parameter: TCLP Metals
Method reference: SW846 3rd Ed
Result: see appended report
Date started: 04/01/90
Time started: 08:00

Date finished: 04/03/90
Analyst: JWP

Parameter: NACE Corrosivity
Method reference: TM-01-69
Result: less than 6.35 mmpy
Date started: 03/29/90
Time started: 19:05

Date finished: 03/30/90
Analyst: BB

CWH 000010125

Vista Chemical Company
Page: 2
April 3, 1990

Sample I.D. AA03424 (continued)

Parameter: Ignitability
Method reference: SW846 3rd Ed
Result: greater than 140 Degrees F
Date started: 04/03/90 Date finished: 04/03/90
Time started: 03:20 Analyst: JKP

Parameter: Reactivity
Method reference: SW846 3rd Ed
Result: see appended report
Date started: 03/23/90 Date finished: 04/02/90
Time started: 01:00 Analyst: BB

Parameter: Oil and Grease
Method reference: EPA 413.1
Result: 44000 mg/L MDL or sensitivity: 5
Date started: 03/29/90 Date finished: 03/29/90
Time started: 12:30 Analyst: KA

Parameter: Moisture content
Method reference: SW-846
Result: 76.87 % MDL or sensitivity: .1
Date started: 04/02/90 Date finished: 04/02/90
Time started: 14:30 Analyst: MB

Data for TCLP Organics ug/L

Component Name	Concentration	Component MDL
Acrylonitrile	Not Det	200
Benzene	860	10
Carbon Disulfide	Not Det	10
Carbon Tetrachloride	Not Det	10
Chlorobenzene	Not Det	10
Chloroform	Not Det	10
1,2-Dichloroethane	Not Det	10
1,1-Dichloroethene	Not Det	10
Isobutanol	Not Det	200
Methylene Chloride	10	10
Methyl Ethyl Ketone	Not Det	10
1,1,1,2-Tetrachloroethane	Not Det	10
1,1,2,2-Tetrachloroethane	Not Det	10
Tetrachloroethene	Not Det	10
Toluene	62	10
1,1,1-Trichloroethane	Not Det	10
1,1,2-Trichloroethane	Not Det	10
Trichloroethene	Not Det	10

CWH 000010126

Data for TCLP Organics (continued)

Component Name	Concentration	Component MDL
Vinyl Chloride	Not Det	10
Pyridine	Not Det	100
Phenol	690	10
bis(2-Chloroethyl) Ether	Not Det	10
1,4-Dichlorobenzene	Not Det	10
1,2-Dichlorobenzene	Not Det	10
Cresols, total	240	10
Hexachloroethane	Not Det	10
Nitrobenzene	Not Det	10
Hexachlorobutadiene	Not Det	10
2,4,6-Trichlorophenol	Not Det	10
2,4,5-Trichlorophenol	Not Det	50
2,4-Dinitrotoluene	Not Det	10
2,3,4,6-Tetrachlorophenol	Not Det	50
Hexachlorobenzene	Not Det	10
Pentachlorophenol	Not Det	50
2,4-D	Not Det	100
2,4,5-TP(Silvex)	Not Det	10
Chlordane	Not Det	10
Endrin	Not Det	2
Heptachlor	Not Det	1
Heptachlor Epoxide	Not Det	1
Lindane	Not Det	1
Methoxychlor	Not Det	10
Toxaphene	Not Det	20

Data for Reactivity mg/L

Component Name	Concentration	Component MDL
Cyanide	Not Det	.1
Sulfide	Not Det	.1
Water	No Reaction	

Data for TCLP Metals mg/L

Component Name	Concentration	Component MDL
Arsenic, TCLP	Not Det	.005
Barium, TCLP	3.00	.01

Data for TCLP Metals (continued)

Component Name	Concentration	Component MDL
Cadmium, TCLP	.03	.01
Chromium, TCLP	Not Det	1
Mercury, TCLP	Not Det	.01
Lead, TCLP	.3	.2
Selenium, TCLP	Not Det	.005
Silver, TCLP	.02	.01

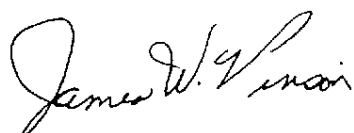
Comments:

Reference Lab Report No. R1100.

All the appropriate EPA protocol including blanks, spikes, and duplicates were followed for these samples.

If there are any questions regarding this data, please call.


Ricky L. Hatton, Ph.D.
Vice President


Reviewed By: James W. Pinson, Ph.D.
President

From: American Laboratories and
Research Services, Inc.
P.O. Box 15609
Hattiesburg, MS 39402-5609
601-264-9320

Date: April 3, 1990

To: Vista Chemical Company
P.O. Box 200135
Austin, TX 78720-0135

The following analytical results have been obtained for the
indicated sample which was submitted to this laboratory:

Sample I.D. AA03425

Sample location: VISTA Vista Sample Loc. NP-4-3-2

Collected by: N. MCCALISTER Collection date: 03/22/90 Time: 13:00

Laboratory submittal date: 03/22/90 Time: 23:10

Received by: RLH Validated by: RLH

Parameter: TCLP Organics
Method reference: SW846 3rd Ed
Result: see appended report
Date started: 04/01/90
Time started: 19:04

Date finished: 04/02/90
Analyst: RLH

Parameter: TCLP Metals
Method reference: SW846 3rd Ed
Result: see appended report
Date started: 04/01/90
Time started: 08:00

Date finished: 04/03/90
Analyst: JWP

Parameter: NACE Corrosivity
Method reference: TM-01-69
Result: less than 6.35 mmpy
Date started: 03/29/90
Time started: 19:05

Date finished: 03/30/90
Analyst: BB

CWH 000010129

Vista Chemical Company
Page: 2
April 3, 1990

Sample I.D. AA03425 (continued)

Parameter: Ignitability
Method reference: SW846 3rd Ed
Result: greater than 140 Degrees F
Date started: 04/03/90 Date finished: 04/03/90
Time started: 01:30 Analyst: JKP

Parameter: Reactivity
Method reference: SW846 3rd Ed
Result: see appended report
Date started: 03/23/90 Date finished: 04/02/90
Time started: 01:00 Analyst: BB

Parameter: Oil and Grease
Method reference: EPA 413.1
Result: 32000 mg/L MDL or sensitivity: 5
Date started: 03/29/90 Date finished: 03/29/90
Time started: 12:30 Analyst: KA

Parameter: Moisture content
Method reference: SW-846
Result: 72.82 % MDL or sensitivity: .1
Date started: 04/02/90 Date finished: 04/02/90
Time started: 14:30 Analyst: MB

Data for TCLP Organics ug/L

Component Name	Concentration	Component MDL
Acrylonitrile	Not Det	200
Benzene	1400	10
Carbon Disulfide	Not Det	10
Carbon Tetrachloride	Not Det	10
Chlorobenzene	Trace	10
Chloroform	Not Det	10
1,2-Dichloroethane	Not Det	10
1,1-Dichloroethene	Not Det	10
Isobutanol	Not Det	200
Methylene Chloride	Not Det	10
Methyl Ethyl Ketone	Not Det	10
1,1,1,2-Tetrachloroethane	Not Det	10
1,1,2,2-Tetrachloroethane	Not Det	10
Tetrachloroethene	Not Det	10
Toluene	22	10
1,1,1-Trichloroethane	Not Det	10
1,1,2-Trichloroethane	Not Det	10
Trichloroethene	Not Det	10

CWH 000010130

Data for TCLP Organics (continued)

Component Name	Concentration	Component MDL
Vinyl Chloride	Not Det	10
Pyridine	Not Det	100
Phenol	68	10
bis(2-Chloroethyl) Ether	Not Det	10
1,4-Dichlorobenzene	Not Det	10
1,2-Dichlorobenzene	Not Det	10
Cresols, total	Not Det	10
Hexachloroethane	Not Det	10
Nitrobenzene	Not Det	10
Hexachlorobutadiene	Not Det	10
2,4,6-Trichlorophenol	Not Det	10
2,4,5-Trichlorophenol	Not Det	50
2,4-Dinitrotoluene	Not Det	10
2,3,4,6-Tetrachlorophenol	Not Det	50
Hexachlorobenzene	Not Det	10
Pentachlorophenol	Not Det	50
2,4-D	Not Det	100
2,4,5-TP(Silvex)	Not Det	10
Chlordane	Not Det	10
Endrin	Not Det	2
Heptachlor	Not Det	1
Heptachlor Epoxide	Not Det	1
Lindane	Not Det	1
Methoxychlor	Not Det	10
Toxaphene	Not Det	20

Data for Reactivity mg/L

Component Name	Concentration	Component MDL
Cyanide	Not Det	.1
Sulfide	Not Det	.1
Water	No Reaction	

Data for TCLP Metals mg/L

Component Name	Concentration	Component MDL
Arsenic, TCLP	Not Det	.005
Barium, TCLP	3.00	.01

Vista Chemical Company
Page: 4
April 3, 1990

Sample I.D. AA03425 (continued)

Data for TCLP Metals (continued)

Component Name	Concentration	Component MDL
Cadmium, TCLP	.02	.01
Chromium, TCLP	Not Det	1
Mercury, TCLP	Not Det	.01
Lead, TCLP	Not Det	.2
Selenium, TCLP	Not Det	.005
Silver, TCLP	.02	.01

Comments:

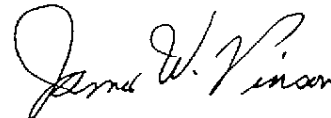
Reference Lab Report No. R1100.

All the appropriate EPA protocol including blanks, spikes, and duplicates were followed for these samples.

If there are any questions regarding this data, please call.



Ricky L. Hatton, Ph.D.
Vice President



Reviewed By: James W. Pinson, Ph.D.
President

CWH 000010132

From: American Laboratories and
Research Services, Inc.
P.O. Box 15609
Hattiesburg, MS 39402-5609
601-264-9320

Date: April 3, 1990

To: Vista Chemical Company
P.O. Box 200135
Austin, TX 78720-0135

The following analytical results have been obtained for the
indicated sample which was submitted to this laboratory:

Sample I.D. AA03433

Sample location: VISTA Vista Sample Loc. NP-5-2-3

Collected by: K. MCCALISTER Collection date: 03/22/90 Time: 14:30

Laboratory submittal date: 03/22/90 Time: 23:10

Received by: RLH Validated by: RLH

Parameter: TCLP Organics
Method reference: SW846 3rd Ed
Result: see appended report
Date started: 04/01/90
Time started: 19:50

Date finished: 04/02/90
Analyst: RLH

Parameter: TCLP Metals
Method reference: SW846 3rd Ed
Result: see appended report
Date started: 04/01/90
Time started: 08:00

Date finished: 04/03/90
Analyst: JWP

Parameter: NACE Corrosivity
Method reference: TM-01-69
Result: less than 6.35 mmpy
Date started: 03/29/90
Time started: 19:05

Date finished: 03/30/90
Analyst: BB

Vista Chemical Company
Page: 2
April 3, 1990

Sample I.D. AA03433 (continued)

Parameter: Ignitability
Method reference: SW846 3rd Ed
Result: greater than 140 Degrees F
Date started: 04/02/90 Date finished: 04/02/90
Time started: 17:00 Analyst: JKP

Parameter: Reactivity
Method reference: SW846 3rd Ed
Result: see appended report
Date started: 03/23/90 Date finished: 04/02/90
Time started: 01:00 Analyst: BB

Parameter: Oil and Grease
Method reference: EPA 413.1
Result: 40000 mg/L MDL or sensitivity: 5
Date started: 03/29/90 Date finished: 03/29/90
Time started: 12:30 Analyst: KA

Parameter: Moisture content
Method reference: SW-846
Result: 65.26 % MDL or sensitivity: .1
Date started: 04/02/90 Date finished: 04/02/90
Time started: 14:30 Analyst: MB

Data for TCLP Organics ug/L

Component Name	Concentration	Component MDL
Acrylonitrile	Not Det	200
Benzene	1900	10
Carbon Disulfide	11	10
Carbon Tetrachloride	Not Det	10
Chlorobenzene	Not Det	10
Chloroform	Not Det	10
1,2-Dichloroethane	Not Det	10
1,1-Dichloroethene	Not Det	10
Isobutanol	Not Det	200
Methylene Chloride	35	10
Methyl Ethyl Ketone	26	10
1,1,1,2-Tetrachloroethane	Not Det	10
1,1,2,2-Tetrachloroethane	Not Det	10
Tetrachloroethene	Not Det	10
Toluene	30	10
1,1,1-Trichloroethane	Not Det	10
1,1,2-Trichloroethane	Not Det	10
Trichloroethene	Not Det	10

Data for TCLP Organics (continued)

Component Name	Concentration	Component MDL
Vinyl Chloride	Not Det	10
Pyridine	Not Det	100
Phenol	Not Det	10
bis(2-Chloroethyl) Ether	Not Det	10
1,4-Dichlorobenzene	Not Det	10
1,2-Dichlorobenzene	Not Det	10
Cresols, total	Not Det	10
Hexachloroethane	Not Det	10
Nitrobenzene	Not Det	10
Hexachlorobutadiene	Not Det	10
2,4,6-Trichlorophenol	Not Det	10
2,4,5-Trichlorophenol	Not Det	50
2,4-Dinitrotoluene	Not Det	10
2,3,4,6-Tetrachlorophenol	Not Det	50
Hexachlorobenzene	Not Det	10
Pentachlorophenol	Not Det	50
2,4-D	Not Det	100
2,4,5-TP(Silvex)	Not Det	10
Chlordane	Not Det	10
Endrin	Not Det	2
Heptachlor	Not Det	1
Heptachlor Epoxide	Not Det	1
Lindane	Not Det	1
Methoxychlor	Not Det	10
Toxaphene	Not Det	20

Data for Reactivity mg/L

Component Name	Concentration	Component MDL
Cyanide	Not Det	.1
Sulfide	Not Det	.1
Water	No Reaction	

Data for TCLP Metals mg/L

Component Name	Concentration	Component MDL
Arsenic, TCLP	Not Det	.005
Barium, TCLP	4.00	.01

Data for TCLP Metals (continued)

Component Name	Concentration	Component MDL
Cadmium, TCLP	.02	.01
Chromium, TCLP	Not Det	1
Mercury, TCLP	Not Det	.01
Lead, TCLP	.2	.2
Selenium, TCLP	Not Det	.005
Silver, TCLP	.02	.01

Comments:

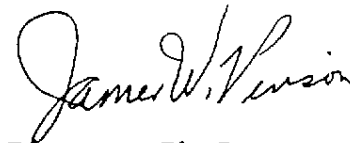
Reference Lab Report No. R1100.

All the appropriate EPA protocol including blanks, spikes, and duplicates were followed for these samples.

If there are any questions regarding this data, please call.



Ricky L. Hatton, Ph.D.
Vice President



Reviewed By: James W. Pinson, Ph.D.
President

From: American Laboratories and
Research Services, Inc.
P.O. Box 15609
Hattiesburg, MS 39402-5609
601-264-9320

Date: April 3, 1990

To: Vista Chemical Company
P.O. Box 200135
Austin, TX 78720-0135

The following analytical results have been obtained for the
indicated sample which was submitted to this laboratory:

Sample I.D. AA03470

Sample location: VISTA Vista Sample Loc. SL 5-8-8

Collected by: K MCCALISTER Collection date: 03/26/90 Time: 12:00

Laboratory submittal date: 03/27/90 Time: 21:45

Received by: RLH Validated by: RLH

Parameter: TCLP Organics
Method reference: SW846 3rd Ed
Result: see appended report
Date started: 04/01/90
Time started: 10:11

Date finished: 04/02/90
Analyst: RLH

Parameter: TCLP Metals
Method reference: SW846 3rd Ed
Result: see appended report
Date started: 04/01/90
Time started: 08:00

Date finished: 04/03/90
Analyst: JWP

Parameter: Ignitability
Method reference: SW846 3rd Ed
Result: greater than 140 Degrees F
Date started: 04/03/90
Time started: 04:30

Date finished: 04/03/90
Analyst: JKP

CWH 000010137

Vista Chemical Company
Page: 2
April 3, 1990

Sample I.D. AA03470 (continued)

Parameter: NACE Corrosivity
Method reference: TM-01-69
Result: less than 6.35 mmpy
Date started: 03/29/90
Time started: 19:05

Date finished: 03/30/90
Analyst: BB

Parameter: Reactivity
Method reference: SW846 3rd Ed
Result: see appended report
Date started: 03/23/90
Time started: 01:00

Date finished: 04/02/90
Analyst: BB

Parameter: Oil and Grease
Method reference: EPA 413.1
Result: 22000 mg/L
Date started: 03/29/90
Time started: 12:30

MDL or sensitivity: 5
Date finished: 03/29/90
Analyst: KA

Parameter: Moisture content
Method reference: SW-846
Result: 82.85 %
Date started: 04/02/90
Time started: 14:30

MDL or sensitivity: .1
Date finished: 04/02/90
Analyst: MB

Data for TCLP Organics ug/L

Component Name	Concentration	Component MDL
Acrylonitrile	Not Det	200
Benzene	16	10
Carbon Disulfide	Not Det	10
Carbon Tetrachloride	Not Det	10
Chlorobenzene	Not Det	10
Chloroform	Not Det	10
1,2-Dichloroethane	Not Det	10
1,1-Dichloroethene	Not Det	10
Isobutanol	Not Det	200
Methylene Chloride	Not Det	10
Methyl Ethyl Ketone	11	10
1,1,1,2-Tetrachloroethane	Not Det	10
1,1,2,2-Tetrachloroethane	Not Det	10
Tetrachloroethene	Not Det	10
Toluene	300	10
1,1,1-Trichloroethane	Not Det	10
1,1,2-Trichloroethane	Not Det	10
Trichloroethene	Not Det	10

CWH 000010138

Data for TCLP Organics (continued)

Component Name	Concentration	Component MDL
Vinyl Chloride	Not Det	10
Pyridine	Not Det	100
Phenol	Not Det	10
bis(2-Chloroethyl) Ether	Not Det	10
1,4-Dichlorobenzene	Not Det	10
1,2-Dichlorobenzene	Not Det	10
Cresols, total	Trace	10
Hexachloroethane	Not Det	10
Nitrobenzene	Not Det	10
Hexachlorobutadiene	Not Det	10
2,4,6-Trichlorophenol	Not Det	10
2,4,5-Trichlorophenol	Not Det	50
2,4-Dinitrotoluene	Not Det	10
2,3,4,6-Tetrachlorophenol	Not Det	50
Hexachlorobenzene	Not Det	10
Pentachlorophenol	Not Det	50
2,4-D	Not Det	100
2,4,5-TP(Silvex)	Not Det	10
Chlordane	Not Det	10
Endrin	Not Det	2
Heptachlor	Not Det	1
Heptachlor Epoxide	Not Det	1
Lindane	Not Det	1
Methoxychlor	Not Det	10
Toxaphene	Not Det	20

Data for Reactivity mg/L

Component Name	Concentration	Component MDL
Cyanide	Not Det	.1
Sulfide	Not Det	.1
Water	No Reaction	

Data for TCLP Metals mg/L

Component Name	Concentration	Component MDL
Arsenic, TCLP	Not Det	.005
Barium, TCLP	23.00	.01

Vista Chemical Company
Page: 4
April 3, 1990

Sample I.D. AA03470 (continued)

Data for TCLP Metals (continued)

Component Name	Concentration	Component MDL
Cadmium, TCLP	.02	.01
Chromium, TCLP	Not Det	1
Mercury, TCLP	Not Det	.01
Lead, TCLP	.2	.2
Selenium, TCLP	Not Det	.005
Silver, TCLP	.04	.01

Comments:

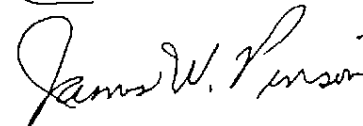
Reference Lab Report No. R1100.

All the appropriate EPA protocol including blanks, spikes, and duplicates were followed for these samples.

If there are any questions regarding this data, please call.



Ricky L. Hatton, Ph.D.
Vice President



Reviewed By: James W. Pinson, Ph.D.
President

CWH 000010140

From: American Laboratories and
Research Services, Inc.
P.O. Box 15609
Hattiesburg, MS 39402-5609
601-264-9320

Date: April 3, 1990

To: Vista Chemical Company
P.O. Box 200135
Austin, TX 78720-0135

The following analytical results have been obtained for the
indicated sample which was submitted to this laboratory:

Sample I.D. AA03471

Sample location: VISTA Vista Sample Loc. SL 8-2-8

Collected by: K MCCALISTER Collection date: 03/27/90 Time: 9:00

Laboratory submittal date: 03/27/90 Time: 21:45

Received by: RLH Validated by: RLH

Parameter: TCLP Organics
Method reference: SW846 3rd Ed
Result: see appended report
Date started: 04/01/90
Time started: 10:50

Date finished: 04/02/90
Analyst: RLH

Parameter: TCLP Metals
Method reference: SW846 3rd Ed
Result: see appended report
Date started: 04/01/90
Time started: 08:00

Date finished: 04/03/90
Analyst: JWP

Parameter: Ignitability
Method reference: SW846 3rd Ed
Result: greater than 140 Degrees F
Date started: 04/03/90
Time started: 05:00

Date finished: 04/03/90
Analyst: JKP

CWH 000010141

Vista Chemical Company
Page: 2
April 3, 1990

Sample I.D. AA03471 (continued)

Parameter: NACE Corrosivity
Method reference: TM-01-69
Result: less than 6.35 mmpy
Date started: 03/29/90
Time started: 19:05

Date finished: 03/30/90
Analyst: BB

Parameter: Reactivity
Method reference: SW846 3rd Ed
Result: see appended report
Date started: 03/23/90
Time started: 01:00

Date finished: 04/02/90
Analyst: BB

Parameter: Oil and Grease
Method reference: EPA 413.1
Result: 34000 mg/L
Date started: 03/29/90
Time started: 12:30

MDL or sensitivity: 5
Date finished: 03/29/90
Analyst: KA

Parameter: Moisture content
Method reference: SW-846
Result: 80.25 %
Date started: 04/02/90
Time started: 14:30

MDL or sensitivity: .1
Date finished: 04/02/90
Analyst: MB

Data for TCLP Organics ug/L

Component Name	Concentration	Component MDL
Acrylonitrile	Not Det	200
Benzene	Not Det	10
Carbon Disulfide	Not Det	10
Carbon Tetrachloride	Not Det	10
Chlorobenzene	Not Det	10
Chloroform	Not Det	10
1,2-Dichloroethane	Not Det	10
1,1-Dichloroethene	Not Det	10
Isobutanol	Not Det	200
Methylene Chloride	Not Det	10
Methyl Ethyl Ketone	Not Det	10
1,1,1,2-Tetrachloroethane	Not Det	10
1,1,2,2-Tetrachloroethane	Not Det	10
Tetrachloroethene	Not Det	10
Toluene	21	10
1,1,1-Trichloroethane	Not Det	10
1,1,2-Trichloroethane	Not Det	10
Trichloroethene	Not Det	10

CWH 000010142

Data for TCLP Organics (continued)

Component Name	Concentration	Component MDL
Vinyl Chloride	Not Det	10
Pyridine	Not Det	100
Phenol	Not Det	10
bis(2-Chloroethyl) Ether	Not Det	10
1,4-Dichlorobenzene	Not Det	10
1,2-Dichlorobenzene	Not Det	10
Cresols, total	Not Det	10
Hexachloroethane	Not Det	10
Nitrobenzene	Not Det	10
Hexachlorobutadiene	Not Det	10
2,4,6-Trichlorophenol	Not Det	10
2,4,5-Trichlorophenol	Not Det	50
2,4-Dinitrotoluene	Not Det	10
2,3,4,6-Tetrachlorophenol	Not Det	50
Hexachlorobenzene	Not Det	10
Pentachlorophenol	Not Det	50
2,4-D	Not Det	100
2,4,5-TP(Silvex)	Not Det	10
Chlordane	Not Det	10
Endrin	Not Det	2
Heptachlor	Not Det	1
Heptachlor Epoxide	Not Det	1
Lindane	Not Det	1
Methoxychlor	Not Det	10
Toxaphene	Not Det	20

Data for Reactivity mg/L

Component Name	Concentration	Component MDL
Cyanide	Not Det	.1
Sulfide	Not Det	.1
Water	No Reaction	

Data for TCLP Metals mg/L

Component Name	Concentration	Component MDL
Arsenic, TCLP	Not Det	.005
Barium, TCLP	14.00	.01

Data for TCLP Metals (continued)

Component Name	Concentration	Component MDL
Cadmium, TCLP	.04	.01
Chromium, TCLP	Not Det	1
Mercury, TCLP	Not Det	.01
Lead, TCLP	.2	.2
Selenium, TCLP	Not Det	.005
Silver, TCLP	.04	.01

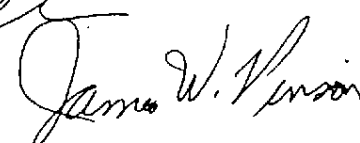
Comments:
Reference Lab Report No. R1100.

All the appropriate EPA protocol including blanks, spikes, and duplicates were followed for these samples.

If there are any questions regarding this data, please call.



Ricky L. Hatton, Ph.D.
Vice President



Reviewed By: James W. Pinson, Ph.D.
President

From: American Laboratories and
Research Services, Inc.
P.O. Box 15609
Hattiesburg, MS 39402-5609
601-264-9320

Date: April 3, 1990

To: Vista Chemical Company
P.O. Box 200135
Austin, TX 78720-0135

The following analytical results have been obtained for the
indicated sample which was submitted to this laboratory:

Sample I.D. AA03472

Sample location: VISTA Vista Sample Loc. SL 1-4-5

Collected by: K MCCALISTER Collection date: 03/27/90 Time: 11:00

Laboratory submittal date: 03/27/90 Time: 21:45

Received by: RLH Validated by: RLH

Parameter: TCLP Organics
Method reference: SW846 3rd Ed
Result: see appended report
Date started: 04/01/90
Time started: 11:28

Date finished: 04/02/90
Analyst: RLH

Parameter: TCLP Metals
Method reference: SW846 3rd Ed
Result: see appended report
Date started: 04/01/90
Time started: 08:00

Date finished: 04/03/90
Analyst: JWP

Parameter: Ignitability
Method reference: SW846 3rd Ed
Result: greater than 140 Degrees F
Date started: 04/03/90
Time started: 06:05

Date finished: 04/03/90
Analyst: JKP

CWH 000010145

Vista Chemical Company
Page: 2
April 3, 1990

Sample I.D. AA03472 (continued)

Parameter: NACE Corrosivity
Method reference: TM-01-69
Result: less than 6.35 mmpy
Date started: 03/29/90
Time started: 19:05

Date finished: 03/30/90
Analyst: BB

Parameter: Reactivity
Method reference: SW846 3rd Ed
Result: see appended report
Date started: 03/23/90
Time started: 01:00

Date finished: 04/02/90
Analyst: BB

Parameter: Oil and Grease
Method reference: EPA 413.1
Result: 26000 mg/L
Date started: 03/29/90
Time started: 12:30

MDL or sensitivity: 5
Date finished: 03/29/90
Analyst: KA

Parameter: Moisture content
Method reference: SW-846
Result: 79.17 %
Date started: 04/02/90
Time started: 14:30

MDL or sensitivity: .1
Date finished: 04/02/90
Analyst: MB

Data for TCLP Organics ug/L

Component Name	Concentration	Component MDL
Acrylonitrile	Not Det	200
Benzene	Trace	10
Carbon Disulfide	Not Det	10
Carbon Tetrachloride	Not Det	10
Chlorobenzene	Not Det	10
Chloroform	Not Det	10
1,2-Dichloroethane	Not Det	10
1,1-Dichloroethene	Not Det	10
Isobutanol	Not Det	200
Methylene Chloride	Not Det	10
Methyl Ethyl Ketone	12	10
1,1,1,2-Tetrachloroethane	Not Det	10
1,1,2,2-Tetrachloroethane	Not Det	10
Tetrachloroethene	Not Det	10
Toluene	200	10
1,1,1-Trichloroethane	Not Det	10
1,1,2-Trichloroethane	Not Det	10
Trichloroethene	Not Det	10

CWH 000010146

Data for TCLP Organics (continued)

Component Name	Concentration	Component MDL
Vinyl Chloride	Not Det	10
Pyridine	Not Det	100
Phenol	Not Det	10
bis(2-Chloroethyl) Ether	Not Det	10
1,4-Dichlorobenzene	Not Det	10
1,2-Dichlorobenzene	Not Det	10
Cresols, total	47	10
Hexachloroethane	Not Det	10
Nitrobenzene	Not Det	10
Hexachlorobutadiene	Not Det	10
2,4,6-Trichlorophenol	Not Det	10
2,4,5-Trichlorophenol	Not Det	50
2,4-Dinitrotoluene	Not Det	10
2,3,4,6-Tetrachlorophenol	Not Det	50
Hexachlorobenzene	Not Det	10
Pentachlorophenol	Not Det	50
2,4-D	Not Det	100
2,4,5-TP(Silvex)	Not Det	10
Chlordane	Not Det	10
Endrin	Not Det	2
Heptachlor	Not Det	1
Heptachlor Epoxide	Not Det	1
Lindane	Not Det	1
Methoxychlor	Not Det	10
Toxaphene	Not Det	20

Data for Reactivity mg/L

Component Name	Concentration	Component MDL
Cyanide	Not Det	.1
Sulfide	Not Det	.1
Water	No Reaction	

Data for TCLP Metals mg/L

Component Name	Concentration	Component MDL
Arsenic, TCLP	Not Det	.005
Barium, TCLP	20.00	.01

CWH 000010147

Data for TCLP Metals (continued)

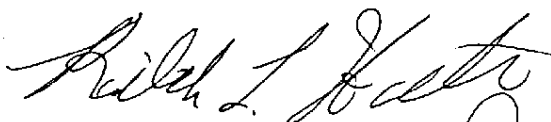
Component Name	Concentration	Component MDL
Cadmium, TCLP	.03	.01
Chromium, TCLP	Not Det	1
Mercury, TCLP	Not Det	.01
Lead, TCLP	.3	.2
Selenium, TCLP	Not Det	.005
Silver, TCLP	.04	.01

Comments:

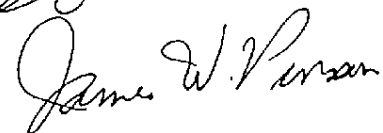
Reference Lab Report No. R1100.

All the appropriate EPA protocol including blanks, spikes, and duplicates were followed for these samples.

If there are any questions regarding this data, please call.



Ricky L. Hatton, Ph.D.
Vice President



Reviewed By: James W. Pinson, Ph.D.
President

From: American Laboratories and
Research Services, Inc.
P.O. Box 15609
Hattiesburg, MS 39402-5609
601-264-9320

Date: April 3, 1990

To: Vista Chemical Company
P.O. Box 200135
Austin, TX 78720-0135

The following analytical results have been obtained for the
indicated sample which was submitted to this laboratory:

Sample I.D. AA03473

Sample location: VISTA Vista Sample Loc. NL 1-9-8

Collected by: K MCCALISTER Collection date: 03/27/90 Time: 14:30

Laboratory submittal date: 03/27/90 Time: 21:45

Received by: RLH Validated by: RLH

Parameter: TCLP Organics
Method reference: SW846 3rd Ed
Result: see appended report
Date started: 04/01/90
Time started: 15:17

Date finished: 04/02/90
Analyst: RLH

Parameter: TCLP Metals
Method reference: SW846 3rd Ed
Result: see appended report
Date started: 04/01/90
Time started: 08:00

Date finished: 04/03/90
Analyst: JWP

Parameter: Ignitability
Method reference: SW846 3rd Ed
Result: greater than 140 Degrees F
Date started: 04/03/90
Time started: 07:00

Date finished: 04/03/90
Analyst: JKP

Vista Chemical Company
Page: 2
April 3, 1990

Sample I.D. AA03473 (continued)

Parameter: NACE Corrosivity
Method reference: TM-01-69
Result: less than 6.35 mmpy
Date started: 03/29/90
Time started: 19:05

Date finished: 03/30/90
Analyst: BB

Parameter: Reactivity
Method reference: SW846 3rd Ed
Result: see appended report
Date started: 03/23/90
Time started: 01:00

Date finished: 04/02/90
Analyst: BB

Parameter: Oil and Grease
Method reference: EPA 413.1
Result: 26000 mg/L
Date started: 03/29/90
Time started: 12:30

MDL or sensitivity: 5
Date finished: 03/29/90
Analyst: KA

Parameter: Moisture content
Method reference: SW-846
Result: 79.14 %
Date started: 04/02/90
Time started: 14:30

MDL or sensitivity: .1
Date finished: 04/02/90
Analyst: MB

Data for TCLP Organics % Recovery

Component Name	Concentration	Component MDL
Acrylonitrile	Not Det	200
Benzene	1500	10
Carbon Disulfide	Not Det	10
Carbon Tetrachloride	Not Det	10
Chlorobenzene	Not Det	10
Chloroform	Not Det	10
1,2-Dichloroethane	Not Det	10
1,1-Dichloroethene	Not Det	10
Isobutanol	Not Det	200
Methylene Chloride	18	10
Methyl Ethyl Ketone	Not Det	10
1,1,1,2-Tetrachloroethane	Not Det	10
1,1,2,2-Tetrachloroethane	Not Det	10
Tetrachloroethene	Not Det	10
Toluene	1100	10
1,1,1-Trichloroethane	Not Det	10
1,1,2-Trichloroethane	Not Det	10
Trichloroethene	Not Det	10

CWH 000010150

Data for TCLP Organics (continued)

Component Name	Concentration	Component MDL
Vinyl Chloride	Not Det	10
Pyridine	Not Det	100
Phenol	51	10
bis(2-Chloroethyl) Ether	Not Det	10
1,4-Dichlorobenzene	Not Det	10
1,2-Dichlorobenzene	Not Det	10
Cresols, total	60	10
Hexachloroethane	Not Det	10
Nitrobenzene	Not Det	10
Hexachlorobutadiene	Not Det	10
2,4,6-Trichlorophenol	Not Det	10
2,4,5-Trichlorophenol	Not Det	50
2,4-Dinitrotoluene	Not Det	10
2,3,4,6-Tetrachlorophenol	Not Det	50
Hexachlorobenzene	Not Det	10
Pentachlorophenol	Not Det	50
2,4-D	Not Det	100
2,4,5-TP(Silvex)	Not Det	10
Chlordane	Not Det	10
Endrin	Not Det	2
Heptachlor	Not Det	1
Heptachlor Epoxide	Not Det	1
Lindane	Not Det	1
Methoxychlor	Not Det	10
Toxaphene	Not Det	20

Data for Reactivity mg/L

Component Name	Concentration	Component MDL
Cyanide	Not Det	.1
Sulfide	Not Det	.1
Water	No Reaction	

Data for TCLP Metals % Recovery

Component Name	Concentration	Component MDL
Arsenic, TCLP	Not Det	.005
Barium, TCLP	2.00	.01

Data for TCLP Metals (continued)

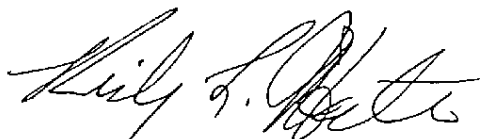
Component Name	Concentration	Component MDL
Cadmium, TCLP	.02	.01
Chromium, TCLP	Not Det	1
Mercury, TCLP	Not Det	.01
Lead, TCLP	.2	.2
Selenium, TCLP	Not Det	.005
Silver, TCLP	.02	.01

Comments:

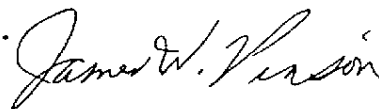
Reference Lab Report No. R1100.

All the appropriate EPA protocol including blanks, spikes, and duplicates were followed for these samples.

If there are any questions regarding this data, please call.



Ricky L. Hatton, Ph.D.
Vice President



Reviewed By: James W. Pinson, Ph.D.
President

CWH 000010152

From: American Laboratories and
Research Services, Inc.
P.O. Box 15609
Hattiesburg, MS 39402-5609
601-264-9320

Date: April 3, 1990

To: Vista Chemical Company
P.O. Box 200135
Austin, TX 78720-0135

The following analytical results have been obtained for the
indicated sample which was submitted to this laboratory:

Sample I.D. AA03483

Sample location: VISTA Vista Sample Loc. NL 9-5-9

Collected by: K MCCALISTER Collection date: 03/27/90 Time: 18:00

Laboratory submittal date: 03/29/90 Time: 0:48

Received by: RLH Validated by: RLH

Parameter: TCLP Organics
Method reference: SW846 3rd Ed
Result: see appended report
Date started: 04/01/90
Time started: 22:05

Date finished: 04/02/90
Analyst: RLH

Parameter: TCLP Metals
Method reference: SW846 3rd Ed
Result: see appended report
Date started: 04/01/90
Time started: 08:00

Date finished: 04/03/90
Analyst: JWP

Parameter: NACE Corrosivity
Method reference: TM-01-69
Result: less than 6.35 mmpy
Date started: 03/29/90
Time started: 19:05

Date finished: 03/30/90
Analyst: BB

CWH 000010153

Vista Chemical Company
Page: 2
April 3, 1990

Sample I.D. AA03483 (continued)

Parameter: Ignitability
Method reference: SW846 3rd Ed
Result: greater than 140 Degrees F
Date started: 04/02/90 Date finished: 04/02/90
Time started: 17:55 Analyst: JKP

Parameter: Reactivity
Method reference: SW846 3rd Ed
Result: see appended report
Date started: 03/23/90 Date finished: 04/02/90
Time started: 01:00 Analyst: BB

Parameter: Oil and Grease
Method reference: EPA 413.1
Result: 44000 mg/L MDL or sensitivity: 5
Date started: 03/29/90 Date finished: 03/29/90
Time started: 12:30 Analyst: KA

Parameter: Moisture content
Method reference: SW-846
Result: 81.3 % MDL or sensitivity: .1
Date started: 04/02/90 Date finished: 04/02/90
Time started: 14:30 Analyst: MB

Data for TCLP Organics % Recovery

Component Name	Concentration	Component MDL
Acrylonitrile	Not Det	200
Benzene	410	10
Carbon Disulfide	Not Det	10
Carbon Tetrachloride	Not Det	10
Chlorobenzene	Not Det	10
Chloroform	Not Det	10
1,2-Dichloroethane	Not Det	10
1,1-Dichloroethene	Not Det	10
Isobutanol	Not Det	200
Methylene Chloride	Trace	10
Methyl Ethyl Ketone	Not Det	10
1,1,1,2-Tetrachloroethane	Not Det	10
1,1,2,2-Tetrachloroethane	Not Det	10
Tetrachloroethene	Not Det	10
Toluene	180	10
1,1,1-Trichloroethane	Not Det	10
1,1,2-Trichloroethane	Not Det	10
Trichloroethene	Not Det	10

Data for TCLP Organics (continued)

Component Name	Concentration	Component MDL
Vinyl Chloride	Not Det	10
Pyridine	Not Det	100
Phenol	Not Det	10
bis(2-Chloroethyl) Ether	Not Det	10
1,4-Dichlorobenzene	Not Det	10
1,2-Dichlorobenzene	Not Det	10
Cresols, total	Not Det	10
Hexachloroethane	Not Det	10
Nitrobenzene	Not Det	10
Hexachlorobutadiene	Not Det	10
2,4,6-Trichlorophenol	Not Det	10
2,4,5-Trichlorophenol	Not Det	50
2,4-Dinitrotoluene	Not Det	10
2,3,4,6-Tetrachlorophenol	Not Det	50
Hexachlorobenzene	Not Det	10
Pentachlorophenol	Not Det	50
2,4-D	Not Det	100
2,4,5-TP(Silvex)	Not Det	10
Chlordane	Not Det	10
Endrin	Not Det	2
Heptachlor	Not Det	1
Heptachlor Epoxide	Not Det	1
Lindane	Not Det	1
Methoxychlor	Not Det	10
Toxaphene	Not Det	20

Data for Reactivity mg/L

Component Name	Concentration	Component MDL
Cyanide	Not Det	.1
Sulfide	Not Det	.1
Water	No Reaction	

Data for TCLP Metals % Recovery

Component Name	Concentration	Component MDL
Arsenic, TCLP	Not Det	.005
Barium, TCLP	11.00	.01

Vista Chemical Company
Page: 4
April 3, 1990

Sample I.D. AA03483 (continued)

Data for TCLP Metals (continued)

Component Name	Concentration	Component MDL
Cadmium, TCLP	.02	.01
Chromium, TCLP	Not Det	1
Mercury, TCLP	Not Det	.01
Lead, TCLP	.2	.2
Selenium, TCLP	Not Det	.005
Silver, TCLP	.04	.01

Comments:

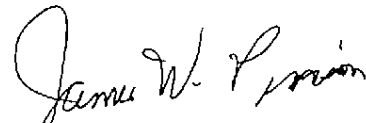
Reference Lab Report No. R1100.

All the appropriate EPA protocol including blanks, spikes, and duplicates were followed for these samples.

If there are any questions regarding this data, please call.



Ricky L. Hatton, Ph.D.
Vice President



Reviewed By: James W. Pinson, Ph.D.
President

From: American Laboratories and
Research Services, Inc.
P.O. Box 15609
Hattiesburg, MS 39402-5609
601-264-9320

Date: April 3, 1990

To: Vista Chemical Company
P.O. Box 200135
Austin, TX 78720-0135

The following analytical results have been obtained for the
indicated sample which was submitted to this laboratory:

Sample I.D. AA03484

Sample location: VISTA Vista Sample Loc. NL 5-7-5

Collected by: K MCCALISTER Collection date: 03/28/90 Time: 8:30

Laboratory submittal date: 03/29/90 Time: 0:48

Received by: RLH Validated by: RLH

Parameter: TCLP Organics
Method reference: SW846 3rd Ed
Result: see appended report
Date started: 04/01/90
Time started: 21:20

Date finished: 04/02/90
Analyst: RLH

Parameter: TCLP Metals
Method reference: SW846 3rd Ed
Result: see appended report
Date started: 04/01/90
Time started: 08:00

Date finished: 04/03/90
Analyst: JWP

Parameter: NACE Corrosivity
Method reference: TM-01-69
Result: less than 6.35 mmpy
Date started: 03/29/90
Time started: 19:05

Date finished: 03/30/90
Analyst: BB

CWH 000010157

Vista Chemical Company
Page: 2
April 3, 1990

Sample I.D. AA03484 (continued)

Parameter: Ignitability
Method reference: SW846 3rd Ed
Result: greater than 140 Degrees F
Date started: 04/03/90 Date finished: 04/03/90
Time started: 07:15 Analyst: JKP

Parameter: Reactivity
Method reference: SW846 3rd Ed
Result: see appended report
Date started: 03/23/90 Date finished: 04/02/90
Time started: 01:00 Analyst: BB

Parameter: Oil and Grease
Method reference: EPA 413.1
Result: 39000 mg/L MDL or sensitivity: 5
Date started: 03/29/90 Date finished: 03/29/90
Time started: 12:30 Analyst: KA

Parameter: Moisture content
Method reference: SW-846
Result: 73.56 % MDL or sensitivity: .1
Date started: 04/02/90 Date finished: 04/02/90
Time started: 14:30 Analyst: MB

Data for TCLP Organics ug/L

Component Name	Concentration	Component MDL
Acrylonitrile	Not Det	200
Benzene	230	10
Carbon Disulfide	Not Det	10
Carbon Tetrachloride	Not Det	10
Chlorobenzene	Trace	10
Chloroform	Not Det	10
1,2-Dichloroethane	Not Det	10
1,1-Dichloroethene	Not Det	10
Isobutanol	Not Det	200
Methylene Chloride	20	10
Methyl Ethyl Ketone	120	10
1,1,1,2-Tetrachloroethane	Not Det	10
1,1,2,2-Tetrachloroethane	Not Det	10
Tetrachloroethene	Not Det	10
Toluene	95	10
1,1,1-Trichloroethane	Not Det	10
1,1,2-Trichloroethane	Not Det	10
Trichloroethene	Not Det	10

CWH 000010158

Data for TCLP Organics (continued)

Component Name	Concentration	Component MDL
Vinyl Chloride	Not Det	10
Pyridine	Not Det	100
Phenol	Trace	10
bis(2-Chloroethyl) Ether	Not Det	10
1,4-Dichlorobenzene	Not Det	10
1,2-Dichlorobenzene	Not Det	10
Cresols, total	Not Det	10
Hexachloroethane	Not Det	10
Nitrobenzene	Not Det	10
Hexachlorobutadiene	Not Det	10
2,4,6-Trichlorophenol	Not Det	10
2,4,5-Trichlorophenol	Not Det	50
2,4-Dinitrotoluene	Not Det	10
2,3,4,6-Tetrachlorophenol	Not Det	50
Hexachlorobenzene	Not Det	10
Pentachlorophenol	Not Det	50
2,4-D	Not Det	100
2,4,5-TP(Silvex)	Not Det	10
Chlordane	Not Det	10
Endrin	Not Det	2
Heptachlor	Not Det	1
Heptachlor Epoxide	Not Det	1
Lindane	Not Det	1
Methoxychlor	Not Det	10
Toxaphene	Not Det	20

Data for Reactivity mg/L

Component Name	Concentration	Component MDL
Cyanide	Not Det	.1
Sulfide	Not Det	.1
Water	No Reaction	

Data for TCLP Metals mg/L

Component Name	Concentration	Component MDL
Arsenic, TCLP	Not Det	.005
Barium, TCLP	5.00	.01

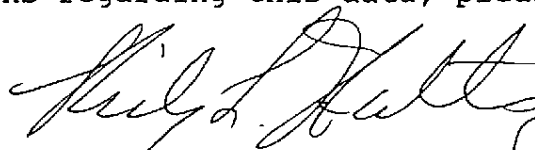
Data for TCLP Metals (continued)

Component Name	Concentration	Component MDL
Cadmium, TCLP	.03	.01
Chromium, TCLP	Not Det	1
Mercury, TCLP	Not Det	.01
Lead, TCLP	.2	.2
Selenium, TCLP	Not Det	.005
Silver, TCLP	.04	.01

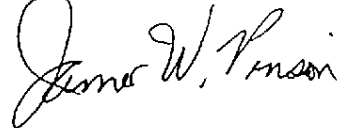
Comments:
Reference Lab Report No. R1100.

All the appropriate EPA protocol including blanks, spikes, and duplicates were followed for these samples.

If there are any questions regarding this data, please call.



Ricky L. Hatton, Ph.D.
Vice President



Reviewed By: James W. Pinson, Ph.D.
President

From: American Laboratories and
Research Services, Inc.
P.O. Box 15609
Hattiesburg, MS 39402-5609
601-264-9320

Date: April 3, 1990

To: Blank Sample Analysis
American Laboratories

The following analytical results have been obtained for the
indicated sample which was submitted to this laboratory:

Sample I.D. AA03434

Sample location: BLANK Method Blank

Collected by: ALRS Collection date: 03/22/90 Time: 23:30

Laboratory submittal date: 03/22/90 Time: 23:30

Received by: RLH Validated by: RLH

Parameter: TCLP Organics
Method reference: SW846 3rd Ed
Result: see appended report
Date started: 04/01/90
Time started: 16:00

Date finished: 04/02/90
Analyst: RLH

Parameter: TCLP Metals
Method reference: SW846 3rd Ed
Result: see appended report
Date started: 04/01/90
Time started: 08:00

Date finished: 04/03/90
Analyst: JWP

Blank Sample Analysis
Page: 2
April 3, 1990

Sample I.D. AA03434 (continued)

Data for TCLP Organics ug/L

Component Name	Concentration	Component MDL
Acrylonitrile	Not Det	200
Benzene	Not Det	10
Carbon Disulfide	Not Det	10
Carbon Tetrachloride	Not Det	10
Chlorobenzene	Not Det	10
Chloroform	Not Det	10
1,2-Dichloroethane	Not Det	10
1,1-Dichloroethene	Not Det	10
Isobutanol	Not Det	200
Methylene Chloride	Not Det	10
Methyl Ethyl Ketone	Not Det	10
1,1,1,2-Tetrachloroethane	Not Det	10
1,1,2,2-Tetrachloroethane	Not Det	10
Tetrachloroethene	Not Det	10
Toluene	Not Det	10
1,1,1-Trichloroethane	Not Det	10
1,1,2-Trichloroethane	Not Det	10
Trichloroethene	Not Det	10
Vinyl Chloride	Not Det	10
Pyridine	Not Det	100
Phenol	Not Det	10
bis(2-Chloroethyl) Ether	Not Det	10
1,4-Dichlorobenzene	Not Det	10
1,2-Dichlorobenzene	Not Det	10
Cresols, total	Not Det	10
Hexachloroethane	Not Det	10
Nitrobenzene	Not Det	10
Hexachlorobutadiene	Not Det	10
2,4,6-Trichlorophenol	Not Det	10
2,4,5-Trichlorophenol	Not Det	50
2,4-Dinitrotoluene	Not Det	10
2,3,4,6-Tetrachlorophenol	Not Det	50
Hexachlorobenzene	Not Det	10
Pentachlorophenol	Not Det	50
2,4-D	Not Det	100
2,4,5-TP(Silvex)	Not Det	10
Chlordane	Not Det	10
Endrin	Not Det	2
Heptachlor	Not Det	1
Heptachlor Epoxide	Not Det	1
Lindane	Not Det	1
Methoxychlor	Not Det	10
Toxaphene	Not Det	20

CWH 000010162

Blank Sample Analysis
Page: 3
April 3, 1990

Sample I.D. AA03434 (continued)

Data for TCLP Metals mg/L

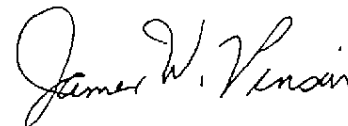
Component Name	Concentration	Component MDL
Arsenic, TCLP	Not Det	.005
Barium, TCLP	Not Det	.01
Cadmium, TCLP	Not Det	.01
Chromium, TCLP	Not Det	1
Mercury, TCLP	Not Det	.01
Lead, TCLP	Not Det	.2
Selenium, TCLP	Not Det	.005
Silver, TCLP	Not Det	.01

Comments:
Reference Lab Report No. R1100.

If there are any questions regarding this data, please call.



Ricky L. Hatton, Ph.D.
Vice President



Reviewed By: James W. Pinson, Ph.D.
President

CWH 000010163

From: American Laboratories and
Research Services, Inc.
P.O. Box 15609
Hattiesburg, MS 39402-5609
601-264-9320

Date: April 3, 1990

To: Sample Matrix Spike
American Laboratories

The following analytical results have been obtained for the
indicated sample which was submitted to this laboratory:

Sample I.D. AA03522

Sample location: SPIKE TCLP Matrix Spike 1

Collected by: Collection date: Time:

Laboratory submittal date: 04/01/90 Time:

Received by: RLH Validated by: RLH

Parameter: TCLP Organics

Method reference: SW846 3rd Ed

Result: see appended report

Date started: 04/01/90

Time started: 09:16

Date finished: 04/02/90

Analyst: RLH

Parameter: TCLP Metals

Method reference: SW846 3rd Ed

Result: see appended report

Date started: 04/01/90

Time started: 08:00

Date finished: 04/03/90

Analyst: JWP

CWH 000010164

Sample Matrix Spike
Page: 2
April 3, 1990

Sample I.D. AA03522 (continued)

Data for TCLP Organics % Recovery

Component Name	Concentration	Component MDL
Acrylonitrile	Not Det	.1
Benzene	97.0	.1
Carbon Disulfide	Not Det	.1
Carbon Tetrachloride	Not Det	.1
Chlorobenzene	97.0	.1
Chloroform	96.0	.1
1,2-Dichloroethane	98.0	.1
1,1-Dichloroethene	Not Det	.1
Isobutanol	Not Det	.1
Methylene Chloride	Not Det	.1
Methyl Ethyl Ketone	Not Det	.1
1,1,1,2-Tetrachloroethane	Not Det	.1
1,1,2,2-Tetrachloroethane	Not Det	.1
Tetrachloroethene	Not Det	.1
Toluene	99.0	.1
1,1,1-Trichloroethane	Not Det	.1
1,1,2-Trichloroethane	Not Det	.1
Trichloroethene	Not Det	.1
Vinyl Chloride	82.0	.1
Pyridine	Not Det	.1
Phenol	94.0	.1
bis(2-Chloroethyl) Ether	99.0	.1
1,4-Dichlorobenzene	Not Det	.1
1,2-Dichlorobenzene	Not Det	.1
Cresols, total	90.0	.1
Hexachloroethane	Not Det	.1
Nitrobenzene	99.0	.1
Hexachlorobutadiene	Not Det	.1
2,4,6-Trichlorophenol	105.0	.1
2,4,5-Trichlorophenol	Not Det	.1
2,4-Dinitrotoluene	Not Det	.1
2,3,4,6-Tetrachlorophenol	Not Det	.1
Hexachlorobenzene	Not Det	.1
Pentachlorophenol	Not Det	.1
2,4-D	Not Det	.1
2,4,5-TP(Silvex)	86.0	.1
Chlordane	Not Det	.1
Endrin	121.0	.1
Heptachlor	88.0	.1
Heptachlor Epoxide	Not Det	.1
Lindane	91.0	.1
Methoxychlor	Not Det	.1
Toxaphene	Not Det	.1

CWH 000010165

Sample Matrix Spike
Page: 3
April 3, 1990

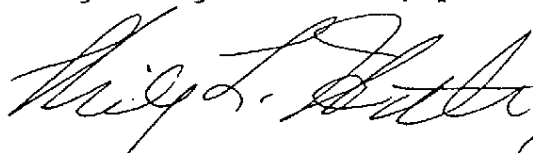
Sample I.D. AA03522 (continued)

Data for TCLP Metals % Recovery

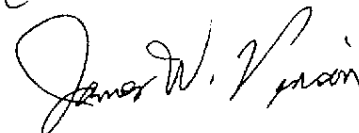
Component Name	Concentration	Component MDL
Arsenic, TCLP	85.0	.1
Barium, TCLP	90.0	.1
Cadmium, TCLP	100.0	.1
Chromium, TCLP	93.0	.1
Mercury, TCLP	96.0	.1
Lead, TCLP	100.0	.1
Selenium, TCLP	91.0	.1
Silver, TCLP	95.0	.1

Comments:
Reference Lab Report No. R1100.

If there are any questions regarding this data, please call.



Ricky L. Hatton, Ph.D.
Vice President



Reviewed By: James W. Pinson, Ph.D.
President

CWH 000010166

From: American Laboratories and
Research Services, Inc.
P.O. Box 15609
Hattiesburg, MS 39402-5609
601-264-9320

Date: April 3, 1990

To: Sample Matrix Spike
American Laboratories

The following analytical results have been obtained for the
indicated sample which was submitted to this laboratory:

Sample I.D. AA03523

Sample location: SPIKE TCLP Matrix Spike 2

Collected by: Collection date: Time:

Laboratory submittal date: 04/01/90 Time:

Received by: RLH Validated by: RLH

Parameter: TCLP Organics
Method reference: SW846 3rd Ed
Result: see appended report
Date started: 04/01/90
Time started: 10:00

Date finished: 04/02/90
Analyst: RLH

Parameter: TCLP Metals
Method reference: SW846 3rd Ed
Result: see appended report
Date started: 04/01/90
Time started: 08:00

Date finished: 04/03/90
Analyst: JWP

CWH 000010167

Sample Matrix Spike
Page: 2
April 3, 1990

Sample I.D. AA03523 (continued)

Data for TCLP Organics % Recovery

Component Name	Concentration	Component MDL
Acrylonitrile	Not Det	.1
Benzene	105.0	.1
Carbon Disulfide	Not Det	.1
Carbon Tetrachloride	Not Det	.1
Chlorobenzene	109.0	.1
Chloroform	99.0	.1
1,2-Dichloroethane	102.0	.1
1,1-Dichloroethene	Not Det	.1
Isobutanol	Not Det	.1
Methylene Chloride	Not Det	.1
Methyl Ethyl Ketone	Not Det	.1
1,1,1,2-Tetrachloroethane	Not Det	.1
1,1,2,2-Tetrachloroethane	Not Det	.1
Tetrachloroethene	Not Det	.1
Toluene	110.0	.1
1,1,1-Trichloroethane	Not Det	.1
1,1,2-Trichloroethane	Not Det	.1
Trichloroethene	Not Det	.1
Vinyl Chloride	91.0	.1
Pyridine	Not Det	.1
Phenol	93.0	.1
bis(2-Chloroethyl) Ether	98.0	.1
1,4-Dichlorobenzene	Not Det	.1
1,2-Dichlorobenzene	Not Det	.1
Cresols, total	91.0	.1
Hexachloroethane	Not Det	.1
Nitrobenzene	97.0	.1
Hexachlorobutadiene	Not Det	.1
2,4,6-Trichlorophenol	108.0	.1
2,4,5-Trichlorophenol	Not Det	.1
2,4-Dinitrotoluene	Not Det	.1
2,3,4,6-Tetrachlorophenol	Not Det	.1
Hexachlorobenzene	Not Det	.1
Pentachlorophenol	Not Det	.1
2,4-D	Not Det	.1
2,4,5-TP(Silvex)	81.0	.1
Chlordane	Not Det	.1
Endrin	122.0	.1
Heptachlor	103.0	.1
Heptachlor Epoxide	Not Det	.1
Lindane	100.0	.1
Methoxychlor	Not Det	.1
Toxaphene	Not Det	.1

CWH 000010168

Sample Matrix Spike
Page: 3
April 3, 1990

Sample I.D. AA03523 (continued)

Data for TCLP Metals % Recovery

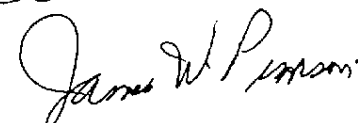
Component Name	Concentration	Component MDL
Arsenic, TCLP	88.0	.1
Barium, TCLP	92.0	.1
Cadmium, TCLP	97.0	.1
Chromium, TCLP	89.0	.1
Mercury, TCLP	93.0	.1
Lead, TCLP	101.0	.1
Selenium, TCLP	92.0	.1
Silver, TCLP	97.0	.1

Comments:
Reference Lab Report No. R1100.

If there are any questions regarding this data, please call.



Ricky L. Hatton, Ph.D.
Vice President



Reviewed By: James W. Pinson, Ph.D.
President