

DISTRIBUTION:

Firm
Permit Services
Enforcement
Technical Services
Source Inventory
Planning
Requester
DAPCO

BAY AREA
AIR QUALITY MANAGEMENT DISTRICT
939 Ellis Street
San Francisco, California 94109
(415) 771-6000

SUMMARY OF SOURCE TEST RESULTS

Report No. 89168Test Date: 04/21/89

Test Times:

Run A: 0846-0848

Run B: _____

Run C: _____

SOURCE INFORMATION

BAAQMD REPRESENTATIVES

Firm Name and Address

GSF ENERGY, INC
2627 Davis Street
San Leandro, CA 94577

Firm Representative and Title

Vicente Alcantara,
Plant Supervisor
Phone No. (415) 562-9248

Source Test Engineers

T. Underwood

Permit Conditions

None

Source: sales gas Oakland
landfill site @ 3000 Davis

Permit Services Division / Enforcement Division

Plant No. 1151 Permit No. _____

Test Requested by:

Operates 24 hrs/day 365 days/yr

D. Levaggi

Operating Parameters:

Gas sampled after condenser and before sales gas storage tank and delivery line.

Applicable Regulations:

Developmental Data

VN Recommended:

NO

Source Test Results and Comments:

TEST

RESULTS

Vinyl Chloride.....1200 ppbv
Methylene Chloride..... < 500 ppbv
Chloroform..... < 2 ppbv
Ethylene dichloride < 100 ppbv
Methyl chloroform..... < 5 ppbv
Carbon tetrachloride..... < 0.3 ppbv
Trichloroethylene 372 ppbv
Ethylene Dibromide..... < 1 ppbv
Benzene..... 0.7 ppbv
Perchloroethene..... 0.28 ppmv
Methane..... 51%
Ethane 10.3 ppmv
Ethylene 8.0 ppmv
Propane..... 13.5 ppmv
Propylene..... 3.3 ppmv
C4-olefin 1.8 ppmv
n-pentane 0.7 ppmv
C5-olefin 1.3 ppmv

TEST

RESULTS, ppmv

n-hexane..... 2.0
C6-olefin 4.3
n-heptane 3.0
Methyl cyclo hexane 0.7
Toluene 7.3
C7-olefins..... 4.6
Octane 9.8
m-xylene 12.5
o-xylene 11.4
C8-olefins..... 10.1
Nonane..... 5.9
Cumene 1.3
n-propyl-benzene 2.3
C9-olefins..... 63.8
C9+ olefins..... 14.5
All other hydrocarbons < 0.5

NOTE:

Trace amounts of 1,1,1 TCA, MeCl and
1,1 DCE detected below the 0.5 ppmv lower
detection limit.

NO COMMERCIAL USE OF THESE RESULTS IS AUTHORIZED

Source Test Team Leader

Date

T. Underwood

5/24/89

Senior Source Test Engineer

Date

G. Fend

5/24/89

Approved by Source Test Manager

Date

G. Karels

5/24/89

DISTRIBUTION:

- ☐ Firm
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☐ Source Inventory
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BAY AREA
 AIR QUALITY MANAGEMENT DISTRICT
 939 Ellis Street
 San Francisco, California 94109
 (415) 771-6000

SUMMARY OF SOURCE TEST RESULTS

Report No. 89160Test Date: 4/07/89

Test Times:

Run A: 0900-0905

Run B: _____

Run C: _____

SOURCE INFORMATION

BAAQMD REPRESENTATIVES

Firm Name and Address

GSF ENERGY, INC
 2627 Davis Street
 San Leandro, CA 94577

Firm Representative and Title

Vicente Alcantara,
 Plant Supervisor
 Phone No. (415) 562-9248

Source Test Engineers

T. Underwood

Permit Conditions

None

Source: sales gas Oakland
 landfill site @ 3000 Davis

Permit Services Division / Enforcement Division

Plant No. 1151

Test Requested by:

Operates 24 hrs/day 365 days/yr

D. Levaggi

Operating Parameters:

Gas sampled after condenser and before sales gas storage tank and delivery line.

Applicable Regulations:

Developmental Data

VN Recommended:

NO

Source Test Results and Comments:

TEST**RESULTS**

Vinyl Chloride.....1400 ppbv
 Methylene Chloride.....<500 ppbv
 Chloroform.....<2 ppbv
 Dichloroethane.....<500 ppbv
 Ethylene dichloride.....<100 ppbv
 Methyl chloroform.....<5 ppbv
 Carbon tetrachloride.....<0.3 ppbv
 Trichloroethylene.....199 ppbv
 Ethylene Dibromide.....<1 ppbv
 Benzene.....800 ppbv
 Perchloroethene.....183 ppbv
 Methane.....53.6%
 Ethane.....5.5 ppmv
 Ethylene.....3.0 ppmv
 Propane.....11.9 ppmv
 Iso-butane.....3.2 ppmv
 C4-olefin.....1.1 ppmv

TEST**RESULTS, ppmv**

n-pentane.....0.7
 Iso-pentane.....0.8
 C5-olefin.....2.4
 n-hexane.....3.3
 C6-olefin.....4.6
 n-heptane.....2.7
 Methyl cyclo hexane.....3.1
 C7-olefins.....4.7
 Toluene.....10.2
 Octane.....4.0
 m-xylene.....15.5
 o-xylene.....17.0
 C8-olefins.....31.4
 Nonane.....23.2
 Cumene.....1.6
 Normal propyl-benzene.....3.8
 C9-olefins.....67.8
 C9+ olefins.....23.5
 All other hydrocarbons.....<0.5

NOTE: Sales gas line down since 1500 hours 4/6/89.
 Chromatogram indicates trace amount of MeCl and
 1,1 DCE below detection limits of 500 ppbv.

NO COMMERCIAL USE OF THESE RESULTS IS AUTHORIZED

Source Test Team Leader <i>T. Underwood</i> T. Underwood	Date 4/27/89	Senior Source Test Engineer <i>G. Fend</i> G. Fend	Date 4/27/89	Approved by Source Test Manager <i>G. Karels</i> G. Karels	Date 4/28/89
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DISTRIBUTION:

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BAY AREA
 AIR QUALITY MANAGEMENT DISTRICT
 939 Ellis Street
 San Francisco, California 94109
 (415) 771-6000

SUMMARY OF SOURCE TEST RESULTS

Report No. 89159
 Test Date: 4/14/89
 Test Times:
 Run A: 0850-0900
 Run B: _____
 Run C: _____

SOURCE INFORMATION

BAAQMD REPRESENTATIVES

Firm Name and Address

GSF ENERGY, INC
 2627 Davis Street
 San Leandro, CA 94577

Firm Representative and Title

Vicente Alcantara,
 Plant Supervisor
 Phone No. (415) 562-9248

Source Test Engineers

T. Underwood

Permit Conditions

None

Source: sales gas Oakland
 landfill site @ 3000 Davis

Permit Services Division / Enforcement Division

Plant No. 1151

Test Requested by:

Operates 24 hrs/day 365 days/yr

D. Levaggi

Operating Parameters:

Gas sampled after condenser and before sales gas storage tank and delivery line.

Applicable Regulations:

Developmental Data

VN Recommended:

NO

Source Test Results and Comments:

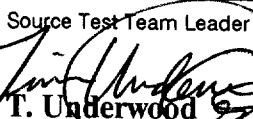
TEST	RESULTS	TEST	RESULTS, ppmv
Vinyl Chloride.....	1670 ppbv	n-pentane	2.3
Methylene Chloride.....	<500 ppbv	C5-olefin	1.6
Chloroform.....	<2 ppbv	n-hexane.....	3.9
Dichloroethane	<500 ppbv	C6-olefin	2.1
Ethylene dichloride	<100 ppbv	n-heptane.....	2.9
Methyl chloroform.....	<5 ppbv	Methyl cyclo hexane	1.0
Carbon tetrachloride.....	<0.3 ppbv	C7-olefins.....	2.8
Trichloroethylene	378 ppbv	Toluene	10.1
Ethylene Dibromide.....	<1 ppbv	Octane.....	3.5
Benzene.....	500 ppbv	m-xylene.....	18.1
Perchloroethene.....	274 ppbv	o-xylene	19.1
Methane.....	51.7%	C8-olefins.....	12.1
Ethane.....	3.0 ppmv	Nonane.....	17.0
Ethylene.....	1.9 ppmv	Cumene.....	8.9
Propane.....	4.8 ppmv	Normal propyl-benzene	3.8
Iso-butane.....	17.4 ppmv	C9-olefins.....	71.5
C4-olefin	1.4 ppmv	C9 + olefins.....	32.8
		All other hydrocarbons	<0.5

NOTE: Sales gas line down @ 0300 hours on 4/14/89. Chromatogram indicates trace amount of MeCl and 1,1 DCE and 1,1,1 TCA below detection limits of 500 ppbv.

NO COMMERCIAL USE OF THESE RESULTS IS AUTHORIZED

Source Test Team Leader

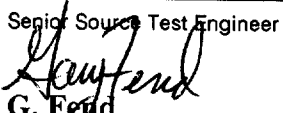
Date


 T. Underwood

4/27/89

Senior Source Test Engineer

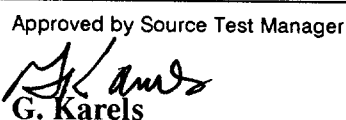
Date


 G. Feud

4/27/89

Approved by Source Test Manager

Date


 G. Karels

4/29/89

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BAY AREA
AIR QUALITY MANAGEMENT DISTRICT
939 Ellis Street
San Francisco, California 94109
(415) 771-6000

Report No. 89150Test Date: 03/31/89

Test Times:

Run A: 0912-0918

Run B: _____

Run C: _____

SUMMARY OF SOURCE TEST RESULTS

SOURCE INFORMATION

BAAQMD REPRESENTATIVES

Firm Name and Address

GSF ENERGY, INC
2627 Davis Street
San Leandro, CA 94577

Firm Representative and Title

Vicente Alcantara,
Plant Supervisor
Phone No. (415) 562-9248

Source Test Engineers

T. Underwood

Permit Conditions

None

Source: sales gas Oakland
landfill site @ 3000 Davis

Permit Services Division / Enforcement Division

Plant No. 1151

Test Requested by:

Operates 24 hrs/day 365 days/yr

D. Levaggi

Operating Parameters:

Sales gas line on standby since 1500 hrs on 3/30/89.
Gas sampled after condenser and before sales gas storage tank and delivery line.

Applicable Regulations:

Developmental Data

VN Recommended:

NO

Source Test Results and Comments:

TEST**RESULTS**

Vinyl Chloride..... 1265 ppbv
Methylene Chloride < 500 ppbv
Chloroform..... < 2 ppbv
Dichloroethane < 500 ppbv
Ethylene dichloride..... < 100 ppbv
Methyl chloroform < 5 ppbv
Carbon tetrachloride..... < 0.3 ppbv
Trichloroethylene 180 ppbv
Ethyl Dibromide < 1 ppbv
Benzene..... 1.4 ppmv
Perchloroethene 330 ppbv
Methane 49.9%
Ethane 12.1 ppmv
Ethylene 9.0 ppmv
Propane 19.6 ppmv
Propylene 0.8 ppmv
Iso-butane 116 ppmv
C4-olefin 1.2 ppmv
Pentane 1.5 ppmv
C5-olefin 1.3 ppmv

TEST**RESULTS, ppmv**

n-hexane..... 1.4
C6-olefin 6.3
n-heptane 0.7
Methyl cyclo heptane 1.0
C7-olefins..... 11.0
Toluene 10.9
m-xylene 22.1
o-xylene 18.5
Octane 2.2
C8-olefins..... 24.2
Nonane 23.6
Cumene 6.5
Normal Propyl-benzene..... 3.7
C9-olefins..... 63.6
C9+ olefins 25.5
All other hydrocarbons < 0.5

NOTE:

Chromatogram shows trace (below detection limit) of:
methylene chloride; 1,1,1 TCA; 1,2 DCE and
1,1 DCE.

NO COMMERCIAL USE OF THESE RESULTS IS AUTHORIZED

Source Test Team Leader

Date

Senior Source Test Engineer

Date

Approved by Source Test Manager

Date

T. Underwood
T. Underwood
Form: Summary of Source Test Results 1

G. Fend
G. Fend

G. Karels
G. Karels

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BAY AREA
AIR QUALITY MANAGEMENT DISTRICT
939 Ellis Street
San Francisco, California 94109
(415) 771-6000

Report No. 89125Test Date: 02/09/89

Test Times:

Run A: 1159-1209

Run B: _____

Run C: _____

SUMMARY OF SOURCE TEST RESULTS

SOURCE INFORMATION

BAAQMD REPRESENTATIVES

Firm Name and Address

GSF ENERGY, INC
2627 Davis Street
San Leandro, CA 94577

Firm Representative and Title

Vicente Alcantara,
Plant Supervisor
Phone No. (415) 562-9248

Source Test Engineers

T. Underwood

Permit Conditions

None

Source: sales gas Oakland
landfill site @ 3000 Davis

Permit Services Division / Enforcement Division

Plant No. 1151

Test Requested by:

Operates 25 hrs/day 365 days/yr

D. Levaggi

Operating Parameters:

Gas sampled after condenser and before sales gas storage tank and delivery line.

Applicable Regulations:

Developmental Data

VN Recommended:

NO

Source Test Results and Comments:

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Vinyl Chloride..... 1.7 ppm
Methylene Chloride 200-300 ppb
Chloroform < 2.0 ppb
Dichloroethane ~ 125 ppb
Ethylene dichloride < 100 ppb
Methyl chloroform 21.4
Carbon tetrachloride..... < 0.3 ppb
Trichloroethylene 308 ppb
Ethyl Dibromide < 1.0 ppb
Benzene..... 500 ppb
Perchloroethene 451 ppb
Methane 50.8%
Iso-butane 8.1 ppm
C4-olefin 0.8 ppm
C5-olefin 0.5 ppm
3-methyl pentane 1.4 ppm

n-hexane..... 1.9 ppm
Methyl cyclo propane..... 1.1 ppm
C6-olefin 0.9 ppm
n-heptane 0.7 ppm
Methyl cyclo hexane 1.8 ppm
C7-olefins..... 2.1 ppm
Toluene 13.6 ppm
m-xylene 19.1 ppm
o-xylene 7.1 ppm
Octane 2.2 ppm
C8-olefins..... 8.6 ppm
Cumene 6.5 ppm
Normal propyl-benzene..... 4.8 ppm
Nonane 5.9 ppm
C9-olefins..... 70 ppm
C9+ olefins 58 ppm

NO COMMERCIAL USE OF THESE RESULTS IS AUTHORIZED

Source Test Team Leader

Date

Senior Source Test Engineer

Date

Approved by Source Test Manager

Date

T. Underwood
T. Underwood

March 6, 1989
March 6, 1989

G. Fend
G. Fend

3/6/89
3/6/89

G. Karels
G. Karels

3/6/89
3/6/89