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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Client Project ID: J017-101

Report Number: PHD01975

MAY 2 8 REC'D

Sampled: Apr 28-29, 1998
Received: Apr 29, 1998
Extracted: May 5-11, 1998
Analyzed: May 5-11, 1998
Reported: May 12, 1998

CASE NARRATIVE

LABORATORY NUMBER	SAMPLE DESCRIPTION	SAMPLE MATRIX	EPA ANALYSES
PHD01975	Trip Blank	Water	624
PHD01976	AEW82-01	Water	624
PHD01977	AEW78-01	Water	624
PHD01978	AEW01-21	Water	624
PHD01979	~~AEW~~24-01 AVB	Water	624
PHD01980	EB6-K1 MEC 6-1-98	Water	624
PHD01981	AVB57-01	Water	624
PHD01982	AEW01-20	Water	624
PHD01983	EB7-K2	Water	624
PHD01984	AVB14-01	Water	624
PHD01985	AVB58-01	Water	624

SAMPLE RECEIPT: Samples were received intact, on ice, and with chain of custody documentation.

HOLDING TIMES: Holding times were met.

PRESERVATION: Samples requiring preservation were verified prior to sample analysis.

PROBLEMS ENCOUNTERED: No problems were encountered during sample analysis.

QA/QC CRITERIA: The MS/MSD were outside of acceptance limits due to sample matrix effects. See LCS for batch validation. All other QA/QC met acceptance criteria.

OBSERVATIONS: No significant observations were made.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Client Project ID: J017-101
Sample Descript: Water, Trip Blank
Lab Number: PHD01975

Sampled: Apr 28, 1998
Received: Apr 29, 1998
Extracted: May 5, 1998
Analyzed: May 5, 1998
Reported: May 12, 1998

PURGEABLES by GC/MS (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	5.0	N.D.
2-Butanone	10	N.D.
Carbon Disulfide	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	5.0	N.D.
Chloroform	2.0	N.D.
Chloromethane	5.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	2.0	N.D.
trans 1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis 1,3-Dichloropropene	2.0	N.D.
trans 1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	10	N.D.
4-Methyl-2-pentanone	5.0	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl acetate	5.0	N.D.
Vinyl chloride	5.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1,2-Dichloroethane-d4 (76-114)	99%
Toluene-d8 (88-110)	94%
4-Bromofluorobenzene (86-115)	94%

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Client Project ID: J017-101
Sample Descript: Water, AEW82-01
Lab Number: PHD01976

Sampled: Apr 28, 1998
Received: Apr 29, 1998
Extracted: May 5, 1998
Analyzed: May 5, 1998
Reported: May 12, 1998

PURGEABLES by GC/MS (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	5.0	N.D.
2-Butanone	10	N.D.
Carbon Disulfide	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	5.0	N.D.
Chloroform	2.0	N.D.
Chloromethane	5.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	2.0	N.D.
trans 1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis 1,3-Dichloropropene	2.0	N.D.
trans 1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	10	N.D.
4-Methyl-2-pentanone	5.0	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl acetate	5.0	N.D.
Vinyl chloride	5.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1,2-Dichloroethane-d4 (76-114)	95%
Toluene-d8 (88-110)	92%
4-Bromofluorobenzene (86-115)	93%

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Client Project ID: J017-101
Sample Descript: Water, AEW78-01
Lab Number: PHD01977

Sampled: Apr 28, 1998
Received: Apr 29, 1998
Extracted: May 5, 1998
Analyzed: May 5, 1998
Reported: May 12, 1998

PURGEABLES by GC/MS (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	5.0	N.D.
2-Butanone	10	N.D.
Carbon Disulfide	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	5.0	N.D.
Chloroform	2.0	N.D.
Chloromethane	5.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	2.0	N.D.
trans 1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis 1,3-Dichloropropene	2.0	N.D.
trans 1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	10	N.D.
4-Methyl-2-pentanone	5.0	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	**2.0**	**84**
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl acetate	5.0	N.D.
Vinyl chloride	5.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1,2-Dichloroethane-d4 (76-114)	99%
Toluene-d8 (88-110)	94%
4-Bromofluorobenzene (86-115)	94%

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Client Project ID: J017-101
Sample Descript: Water, AEW01-21
Lab Number: PHD01978

Sampled: Apr 28, 1998
Received: Apr 29, 1998
Extracted: May 11, 1998
Analyzed: May 11, 1998
Reported: May 12, 1998

PURGEABLES by GC/MS (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	25	N.D.
Benzene	5.0	N.D.
Bromodichloromethane	5.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	13	N.D.
2-Butanone	25	N.D.
Carbon Disulfide	13	N.D.
Carbon tetrachloride	13	N.D.
Chlorobenzene	5.0	N.D.
Chlorodibromomethane	5.0	N.D.
Chloroethane	13	N.D.
Chloroform	5.0	N.D.
Chloromethane	13	N.D.
1,1-Dichloroethane	5.0	N.D.
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	13	N.D.
cis-1,2-Dichloroethene	**5.0**	**30**
trans 1,2-Dichloroethene	5.0	N.D.
1,2-Dichloropropane	5.0	N.D.
cis 1,3-Dichloropropene	5.0	N.D.
trans 1,3-Dichloropropene	5.0	N.D.
Ethylbenzene	5.0	N.D.
2-Hexanone	25	N.D.
Methylene chloride	25	N.D.
4-Methyl-2-pentanone	13	N.D.
Styrene	5.0	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	**5.0**	**6.8**
Toluene	5.0	N.D.
1,1,1-Trichloroethane	5.0	N.D.
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	**5.0**	**160**
Trichlorofluoromethane	13	N.D.
Vinyl acetate	13	N.D.
Vinyl chloride	13	N.D.
Total Xylenes	5.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 2.5.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1,2-Dichloroethane-d4 (76-114)	103%
Toluene-d8 (88-110)	99%
4-Bromofluorobenzene (86-115)	95%

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Client Project ID: J017-101
AVG
Sample Descript: Water, ~~AEW~~24-01
Lab Number: PHD01979
MEC 6.1.98

Sampled: Apr 28, 1998
Received: Apr 29, 1998
Extracted: May 11, 1998
Analyzed: May 11, 1998
Reported: May 12, 1998

PURGEABLES by GC/MS (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	25	N.D.
Benzene	5.0	N.D.
Bromodichloromethane	5.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	13	N.D.
2-Butanone	25	N.D.
Carbon Disulfide	13	N.D.
Carbon tetrachloride	13	N.D.
Chlorobenzene	5.0	N.D.
Chlorodibromomethane	5.0	N.D.
Chloroethane	13	N.D.
Chloroform	5.0	N.D.
Chloromethane	13	N.D.
1,1-Dichloroethane	**5.0**	**23**
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	13	N.D.
cis-1,2-Dichloroethene	**5.0**	**20**
trans 1,2-Dichloroethene	5.0	N.D.
1,2-Dichloropropane	5.0	N.D.
cis 1,3-Dichloropropene	5.0	N.D.
trans 1,3-Dichloropropene	5.0	N.D.
Ethylbenzene	5.0	N.D.
2-Hexanone	25	N.D.
Methylene chloride	25	N.D.
4-Methyl-2-pentanone	13	N.D.
Styrene	5.0	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	5.0	N.D.
Toluene	5.0	N.D.
1,1,1-Trichloroethane	5.0	N.D.
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	**5.0**	**110**
Trichlorofluoromethane	13	N.D.
Vinyl acetate	13	N.D.
Vinyl chloride	13	N.D.
Total Xylenes	5.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 2.5.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1,2-Dichloroethane-d4 (76-114)	102%
Toluene-d8 (88-110)	100%
4-Bromofluorobenzene (86-115)	94%

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Client Project ID: J017-101
Sample Descript: Water, EB6-K1
Lab Number: PHD01980

Sampled: Apr 28, 1998
Received: Apr 29, 1998
Extracted: May 5, 1998
Analyzed: May 5, 1998
Reported: May 12, 1998

PURGEABLES by GC/MS (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	5.0	N.D.
2-Butanone	10	N.D.
Carbon Disulfide	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	5.0	N.D.
Chloroform	2.0	N.D.
Chloromethane	5.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	2.0	N.D.
trans 1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis 1,3-Dichloropropene	2.0	N.D.
trans 1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	10	N.D.
4-Methyl-2-pentanone	5.0	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl acetate	5.0	N.D.
Vinyl chloride	5.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1,2-Dichloroethane-d4 (76-114)	105%
Toluene-d8 (88-110)	95%
4-Bromofluorobenzene (86-115)	91%

Results pertain only to samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from Del Mar Analytical.

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Client Project ID: J017-101
Sample Descript: Water, AVB57-01
Lab Number: PHD01981

Sampled: Apr 29, 1998
Received: Apr 29, 1998
Extracted: May 6, 1998
Analyzed: May 6, 1998
Reported: May 12, 1998

PURGEABLES by GC/MS (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	5.0	N.D.
2-Butanone	10	N.D.
Carbon Disulfide	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	5.0	N.D.
Chloroform	2.0	N.D.
Chloromethane	5.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	2.0	N.D.
trans 1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis 1,3-Dichloropropene	2.0	N.D.
trans 1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	10	N.D.
4-Methyl-2-pentanone	5.0	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	**2.0**	**12**
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	**2.0**	**11**
Trichlorofluoromethane	5.0	N.D.
Vinyl acetate	5.0	N.D.
Vinyl chloride	5.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1,2-Dichloroethane-d4 (76-114)	103%
Toluene-d8 (88-110)	96%
4-Bromofluorobenzene (86-115)	91%

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Client Project ID: J017-101
Sample Descript: Water, AEW01-20
Lab Number: PHD01982

Sampled: Apr 29, 1998
Received: Apr 29, 1998
Extracted: May 11, 1998
Analyzed: May 11, 1998
Reported: May 12, 1998

PURGEABLES by GC/MS (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	50	N.D.
Benzene	10	N.D.
Bromodichloromethane	10	N.D.
Bromoform	10	N.D.
Bromomethane	25	N.D.
2-Butanone	50	N.D.
Carbon Disulfide	25	N.D.
Carbon tetrachloride	25	N.D.
Chlorobenzene	10	N.D.
Chlorodibromomethane	10	N.D.
Chloroethane	25	N.D.
Chloroform	10	N.D.
Chloromethane	25	N.D.
1,1-Dichloroethane	10	N.D.
1,2-Dichloroethane	10	N.D.
1,1-Dichloroethene	25	N.D.
cis-1,2-Dichloroethene	**10**	**60**
trans 1,2-Dichloroethene	10	N.D.
1,2-Dichloropropane	10	N.D.
cis 1,3-Dichloropropene	10	N.D.
trans 1,3-Dichloropropene	10	N.D.
Ethylbenzene	10	N.D.
2-Hexanone	50	N.D.
Methylene chloride	50	N.D.
4-Methyl-2-pentanone	25	N.D.
Styrene	10	N.D.
1,1,2,2-Tetrachloroethane	10	N.D.
Tetrachloroethene	10	N.D.
Toluene	10	N.D.
1,1,1-Trichloroethane	10	N.D.
1,1,2-Trichloroethane	10	N.D.
Trichloroethene	**10**	**370**
Trichlorofluoromethane	25	N.D.
Vinyl acetate	25	N.D.
Vinyl chloride	25	N.D.
Total Xylenes	10	N.D.

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 5.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1,2-Dichloroethane-d4 (76-114)	102%
Toluene-d8 (88-110)	100%
4-Bromofluorobenzene (86-115)	92%

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Client Project ID: J017-101
Sample Descript: Water, EB7-K2
Lab Number: PHD01983

Sampled: Apr 29, 1998
Received: Apr 29, 1998
Extracted: May 6, 1998
Analyzed: May 6, 1998
Reported: May 12, 1998

PURGEABLES by GC/MS (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	5.0	N.D.
2-Butanone	10	N.D.
Carbon Disulfide	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	5.0	N.D.
Chloroform	2.0	N.D.
Chloromethane	5.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	2.0	N.D.
trans 1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis 1,3-Dichloropropene	2.0	N.D.
trans 1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	10	N.D.
4-Methyl-2-pentanone	5.0	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl acetate	5.0	N.D.
Vinyl chloride	5.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1,2-Dichloroethane-d4 (76-114)	103%
Toluene-d8 (88-110)	95%
4-Bromofluorobenzene (86-115)	92%

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Client Project ID: J017-101
Sample Descript: Water, AVB14-01
Lab Number: PHD01984

Sampled: Apr 29, 1998
Received: Apr 29, 1998
Extracted: May 11, 1998
Analyzed: May 11, 1998
Reported: May 12, 1998

PURGEABLES by GC/MS (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	5.0	N.D.
2-Butanone	10	N.D.
Carbon Disulfide	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	5.0	N.D.
Chloroform	2.0	N.D.
Chloromethane	5.0	N.D.
1,1-Dichloroethane	**2.0**	**18**
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	**5.0**	**50**
cis-1,2-Dichloroethene	**2.0**	**19**
trans 1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis 1,3-Dichloropropene	2.0	N.D.
trans 1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	10	N.D.
4-Methyl-2-pentanone	5.0	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	**2.0**	**4.0**
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	**2.0**	**79**
Trichlorofluoromethane	5.0	N.D.
Vinyl acetate	5.0	N.D.
Vinyl chloride	5.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1,2-Dichloroethane-d4 (76-114)	97%
Toluene-d8 (88-110)	99%
4-Bromofluorobenzene (86-115)	95%

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Client Project ID: J017-101
Sample Descript: Water, AVB58-01
Lab Number: PHD01985

Sampled: Apr 29, 1998
Received: Apr 29, 1998
Extracted: May 11, 1998
Analyzed: May 11, 1998
Reported: May 12, 1998

PURGEABLES by GC/MS (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	25	N.D.
Benzene	5.0	N.D.
Bromodichloromethane	5.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	13	N.D.
2-Butanone	25	N.D.
Carbon Disulfide	13	N.D.
Carbon tetrachloride	13	N.D.
Chlorobenzene	5.0	N.D.
Chlorodibromomethane	5.0	N.D.
Chloroethane	13	N.D.
Chloroform	5.0	N.D.
Chloromethane	13	N.D.
1,1-Dichloroethane	5.0	N.D.
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	13	N.D.
cis-1,2-Dichloroethene	**5.0**	**23**
trans 1,2-Dichloroethene	5.0	N.D.
1,2-Dichloropropane	5.0	N.D.
cis 1,3-Dichloropropene	5.0	N.D.
trans 1,3-Dichloropropene	5.0	N.D.
Ethylbenzene	5.0	N.D.
2-Hexanone	25	N.D.
Methylene chloride	25	N.D.
4-Methyl-2-pentanone	13	N.D.
Styrene	5.0	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	5.0	N.D.
Toluene	5.0	N.D.
1,1,1-Trichloroethane	5.0	N.D.
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	**5.0**	**170**
Trichlorofluoromethane	13	N.D.
Vinyl acetate	13	N.D.
Vinyl chloride	13	N.D.
Total Xylenes	5.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 2.5.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1,2-Dichloroethane-d4 (76-114)	102%
Toluene-d8 (88-110)	100%
4-Bromofluorobenzene (86-115)	93%

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Client Project ID: J017-101
Sample Descript: Water, Trip Blank
Lab Number: PHD01975

Sampled: Apr 28, 1998
Received: Apr 29, 1998
Extracted: May 5, 1998
Analyzed: May 5, 1998
Reported: May 12, 1998

MTBE (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Methyl tert-Butyl Ether	5.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX

Jeff Matsumoto
Project Manager

Surrogate Standard Recovery:	
1,2-Dichloroethane-d4 (76-114)	99%

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Client Project ID: J017-101
Sample Descript: Water, AEW82-01
Lab Number: PHD01976

Sampled: Apr 28, 1998
Received: Apr 29, 1998
Extracted: May 5, 1998
Analyzed: May 5, 1998
Reported: May 12, 1998

MTBE (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Methyl tert-Butyl Ether.....	5.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX

Jeff Matsumoto
Project Manager

Surrogate Standard Recovery:	
1,2-Dichloroethane-d4 (76-114).....	95%

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Client Project ID: J017-101
Sample Descript: Water, AEW78-01
Lab Number: PHD01977

Sampled: Apr 28, 1998
Received: Apr 29, 1998
Extracted: May 5, 1998
Analyzed: May 5, 1998
Reported: May 12, 1998

MTBE (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Methyl tert-Butyl Ether	5.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX

Jeff Matsumoto
Project Manager

Surrogate Standard Recovery:	
1,2-Dichloroethane-d4 (76-114).....	99%

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Client Project ID: J017-101
Sample Descript: Water, AEW01-21
Lab Number: PHD01978

Sampled: Apr 28, 1998
Received: Apr 29, 1998
Extracted: May 11, 1998
Analyzed: May 11, 1998
Reported: May 12, 1998

MTBE (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Methyl tert-Butyl Ether	5.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX

Jeff Matsumoto
Project Manager

Surrogate Standard Recovery:	
1,2-Dichloroethane-d4 (76-114)	103%

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Client Project ID: J017-101
Sample Descript: Water, AEW24-01
Lab Number: PHD01979

Sampled: Apr 28, 1998
Received: Apr 29, 1998
Extracted: May 11, 1998
Analyzed: May 11, 1998
Reported: May 12, 1998

MTBE (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Methyl tert-Butyl Ether	13	N.D.

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 2.5.

DEL MAR ANALYTICAL, PHOENIX

Jeff Matsumoto
Project Manager

Surrogate Standard Recovery:	
1,2-Dichloroethane-d4 (76-114)	102%

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Client Project ID: J017-101
Sample Descript: Water, EB6-K1
Lab Number: PHD01980

Sampled: Apr 28, 1998
Received: Apr 29, 1998
Extracted: May 5, 1998
Analyzed: May 5, 1998
Reported: May 12, 1998

MTBE (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Methyl tert-Butyl Ether.....	5.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX

Jeff Matsumoto
Project Manager

Surrogate Standard Recovery:	
1,2-Dichloroethane-d4 (76-114).....	105%

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Client Project ID: J017-101
Sample Descript: Water, AVB57-01
Lab Number: PHD01981

Sampled: Apr 29, 1998
Received: Apr 29, 1998
Extracted: May 6, 1998
Analyzed: May 6, 1998
Reported: May 12, 1998

MTBE (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Methyl tert-Butyl Ether.....	5.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX

Jeff Matsumoto
Project Manager

Surrogate Standard Recovery:	
1,2-Dichloroethane-d4 (76-114).....	103%

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Client Project ID: J017-101
Sample Descript: Water, AEW01-20
Lab Number: PHD01982

Sampled: Apr 29, 1998
Received: Apr 29, 1998
Extracted: May 11, 1998
Analyzed: May 11, 1998
Reported: May 12, 1998

MTBE (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Methyl tert-Butyl Ether	25	N.D.

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 5.

DEL MAR ANALYTICAL, PHOENIX

Jeff Matsumoto
Project Manager

Surrogate Standard Recovery:	
1,2-Dichloroethane-d4 (76-114).....	102%

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Client Project ID: J017-101
Sample Descript: Water, EB7-K2
Lab Number: PHD01983

Sampled: Apr 29, 1998
Received: Apr 29, 1998
Extracted: May 6, 1998
Analyzed: May 6, 1998
Reported: May 12, 1998

MTBE (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Methyl tert-Butyl Ether	5.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX

Jeff Matsumoto
Project Manager

Surrogate Standard Recovery:	
1,2-Dichloroethane-d4 (76-114)	103%

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Client Project ID: J017-101

Sample Descript: Water, AVB14-01
Lab Number: PHD01984

Sampled: Apr 29, 1998
Received: Apr 29, 1998
Extracted: May 11, 1998
Analyzed: May 11, 1998
Reported: May 12, 1998

MTBE (EPA 624)

Analyte	Reporting Limit µg/L (ppb)		Sample Result µg/L (ppb)
Methyl tert-Butyl Ether	5.0	.....	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX

Jeff Matsumoto
Project Manager

Surrogate Standard Recovery:	
1,2-Dichloroethane-d4 (76-114).....	97%

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Client Project ID: J017-101
Sample Descript: Water, AVB58-01
Lab Number: PHD01985

Sampled: Apr 29, 1998
Received: Apr 29, 1998
Extracted: May 11, 1998
Analyzed: May 11, 1998
Reported: May 12, 1998

MTBE (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Methyl tert-Butyl Ether	13	N.D.

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 2.5.

DEL MAR ANALYTICAL, PHOENIX

Jeff Matsumoto
Project Manager

Surrogate Standard Recovery:	
1,2-Dichloroethane-d4 (76-114)	102%

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9484 Chesapeake Dr., Suite 805, San Diego, CA 92123 (619) 505-9596 FAX (619) 505-968
2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-340

HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Method Blank

Extracted: May 5, 1998
Analyzed: May 5, 1998
Reported: May 12, 1998
Matrix: Water

PURGEABLES by GC/MS (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	5.0	N.D.
2-Butanone	10	N.D.
Carbon Disulfide	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	5.0	N.D.
Chloroform	2.0	N.D.
Chloromethane	5.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	2.0	N.D.
trans-1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis-1,3-Dichloropropene	2.0	N.D.
trans-1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	10	N.D.
4-Methyl-2-pentanone	5.0	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl acetate	5.0	N.D.
Vinyl chloride	5.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Surrogate Standard Recoveries (Accept. Limits):	
1,2-Dichloroethane-d4 (76-114)	96%
Toluene-d8 (88-110)	91%
4-Bromofluorobenzene (86-115)	94%

Jeff Matsumoto
Project Manager

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Method Blank

Extracted: May 11, 1998
Analyzed: May 11, 1998
Reported: May 12, 1998
Matrix: Water

PURGEABLES by GC/MS (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	5.0	N.D.
2-Butanone	10	N.D.
Carbon Disulfide	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	5.0	N.D.
Chloroform	2.0	N.D.
Chloromethane	5.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	2.0	N.D.
trans-1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis-1,3-Dichloropropene	2.0	N.D.
trans-1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	10	N.D.
4-Methyl-2-pentanone	5.0	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl acetate	5.0	N.D.
Vinyl chloride	5.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Surrogate Standard Recoveries (Accept. Limits):	
1,2-Dichloroethane-d4 (76-114)	94%
Toluene-d8 (88-110)	96%
4-Bromofluorobenzene (86-115)	99%

Jeff Matsumoto
Project Manager

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-34

HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Method Blank

Extracted: May 5, 1998
Analyzed: May 5, 1998
Reported: May 12, 1998
Matrix: Water

MTBE (EPA 624)

Analyte	Reporting Limit µg/L (ppb)		Sample Result µg/L (ppb)
Methyl tert-Butyl Ether.....	5.0	.....	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX

Jeff Matsumoto
Project Manager

Surrogate Standard Recovery:	
1,2-Dichloroethane-d4 (76-114).....	96%

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Method Blank

Extracted: May 11, 1998
Analyzed: May 11, 1998
Reported: May 12, 1998
Matrix: Water

MTBE (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Methyl tert-Butyl Ether	5.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX

Jeff Matsumoto
Project Manager

Surrogate Standard Recovery:	
1,2-Dichloroethane-d4 (76-114).....	94%

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-3401

MS/MSD DATA REPORT

EPA METHOD 624/8260A
Matrix: Water

DATE: 5/5/98

SAMPLE # P0505020

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Vinyl Chloride	0	25	27	24	108%	71%	11.8%	74%
1,1-Dichloroethene	0	25	27	26	108%	104%	3.8%	106%
1,1-Dichloroethane	0	25	27	26	108%	104%	3.8%	106%
Chloroform	0	25	27	26	108%	104%	3.8%	106%
1,2-Dichloroethane	0	25	28	26	112%	104%	7.4%	108%
Benzene	0	25	26	25	104%	100%	3.92%	102%
Trichloroethene	0	25	25	24	100%	96%	4.1%	98%
Toluene	0	25	26	25	104%	100%	3.9%	102%
Tetrachoroethene	0	25	26	24	104%	96%	8.0%	100%
Chlorobenzene	0	25	26	25	104%	100%	3.9%	102%

Definition of Terms:

R1. . . . . Result of Sample Analysis

Sp. . . . . Spike Concentration Added to Sample

MS. . . . . Matrix Spike Result

MSD. . . . . Matrix Spike Duplicate Result

PR1. . . . . Percent Recovery of MS; ((MS-R1) / SP) X 100

PR2. . . . . Percent Recovery of MSD; ((MSD-R1) / SP) X 100

RPD. . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

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MS/MSD DATA REPORT

EPA METHOD: 624/8260A
Matrix: Water

DATE: 5/11/98

SAMPLE # PHD01984

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	PR
	ppb	ppb	ppb	ppb	%	%	%	%
Vinyl Chloride	0	25	30	33	120%	132%	9.5%	126%
1,1-Dichloroethene*	50	25	70	61	81%	45%	13.7%	63%
1,1-Dichloroethane	18	25	43	44	100%	104%	2.3%	102%
Chlorofrom	1	25	26	28	99%	107%	7.4%	103%
1,2-Dichloroethane	0	25	26	28	103%	111%	7.4%	107%
Benzene	0	25	25	26	100%	104%	3.9%	102%
Trichloroethene*	79	25	103	100	95%	83%	3.0%	89%
Toluene	0	25	24	26	96%	104%	8.0%	100%
Tetrachoroethene	4	25	29	30	100%	104%	3.4%	102%
Chlorobenzene	0	25	24	26	96%	104%	8.0%	100%

Definition of Terms:

R1. . . . . Result of Sample Analysis

Sp . . . . . Spike Concentration Added to Sample

MS. . . . . Matrix Spike Result

MSD . . . . . Matrix Spike Duplicate Result

PR1. . . . . Percent Recovery of MS; ((MS-R1) / SP) X 100

PR2. . . . . Percent Recovery of MSD; ((MSD-R1) / SP) X 100

RPD. . . . . Relative Percent Difference; ((MS-MSD)/(MS + MSD)/2)) X 100

QA/QC CRITERIA: *MS/MSD recoveries were outside of acceptance limits due to sample matrix effects. See LCS for batch validation.

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LABORATORY CONTROL SAMPLE

EPA METHOD: 624/8260A

DATE: 5/11/98

Analyte	St	R1	PR
	ppb	ppb	%
Benzene	25	25	100%
Chloroform	25	25	100%
1,1-Dichloroethane	25	25	100%
1,2-Dichloroethane	25	25	100%
1,1-Dichloroethene	25	26	104%
Ethylbenzene	25	26	104%
Tetrachloroethene	25	26	104%
Toluene	25	24	96%
Trichloroethene	25	27	108%
Vinyl Chloride	25	24	96%

Definition of Terms:

St. . . . . Concentration standard added to sample

R1. . . . . Standard Result

PR. . . . . Percent Recovery

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QA/QC CRITERIA: All QA/QC was within acceptance limits.

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968 8272 FAX (602) 968 1338

CHAIN OF CUSTODY FORM

Client Name/Address:	Project/PO Number:
[illegible]	[illegible]
Project Manager/Phone Number:	**Sampler:**
Mark Conway	[illegible]

Sample Description	Sample Matrix	Container Type	#of Cont	Sampling Date/Time	Preservatives	Analysis Required	Special Instructions
Trip Blank	Aq	VOA	1	—	HCl	X	
AEW82-01				4.28.98/0900		X	
AEW78-01				4.28.98/1000		X	
AEW01-21				4.28.98/1515		X	
AEW24-01				4.28.98/1330		X	
EB6-K1				4.28.98/1325		X	
AVB57-01				4.29.98/1030		X	
AEW01-20				4.29.98/0940		X	
EB7-K2				4.29.98/0850		X	
AVB14-01				4.29.98/1330		X	
AVB58-01	↓	↓	↓	4.29.98/1145	↓	X	

Relinquished By:	Date /Time:	Received by:	Date /Time:
[illegible]	4.29.98/1515	[illegible]	[illegible]
[illegible]	[illegible]		
Relinquished By:	Date /Time:	Received by:	Date /Time:
[illegible]	[illegible]		
Relinquished By:	Date /Time:	Received in Lab by:	Date /Time:
		[illegible]	[illegible]

Turnaround Time: (check)
same day ____ 72 hours ____
24 hours ____ 5 days ____
48 hours ____ normal ✓

Sample Integrity: (Check)
intact ✓ on ice ✓

Note: Sample(s) will be disposed of after 30 days.

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MAY 2 - RECD

HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Client Project ID: J017-101

Report Number: PHE00022

Sampled: Apr 30, 1998
Received: May 1, 1998
Extracted: May 11-13, 1998
Analyzed: May 11-13, 1998
Reported: May 14, 1998

CASE NARRATIVE

LABORATORY NUMBER	SAMPLE DESCRIPTION	SAMPLE MATRIX	EPA ANALYSES
PHE00022	Trip Blank	Water	624
PHE00023	AEW87-01	Water	624
PHE00024	AVB12-01	Water	624
PHE00025	AEW94-01	Water	624
PHE00026	AVB62-02	Water	624
PHE00027	AVB69-02	Water	624
PHE00028	AVB12-02	Water	624
PHE00029	EB8-P1	Water	624

SAMPLE RECEIPT: Samples were received intact, on ice, and with chain of custody documentation.

HOLDING TIMES: Holding times were met.

PRESERVATION: Samples requiring preservation were verified prior to sample analysis.

PROBLEMS ENCOUNTERED: No problems were encountered during sample analysis.

QA/QC CRITERIA: All QA/QC met acceptance criteria.

OBSERVATIONS: No significant observations were made.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Client Project ID: J017-101

Sample Descript: Water, Trip Blank
Lab Number: PHE00022

Sampled: Apr 30, 1998
Received: May 1, 1998
Extracted: May 11, 1998
Analyzed: May 11, 1998
Reported: May 14, 1998

PURGEABLES by GC/MS (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	5.0	N.D.
2-Butanone	10	N.D.
Carbon Disulfide	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	5.0	N.D.
Chloroform	2.0	N.D.
Chloromethane	5.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	2.0	N.D.
trans 1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis 1,3-Dichloropropene	2.0	N.D.
trans 1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	10	N.D.
4-Methyl-2-pentanone	5.0	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl acetate	5.0	N.D.
Vinyl chloride	5.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1,2-Dichloroethane-d4 (76-114)	103%
Toluene-d8 (88-110)	100%
4-Bromofluorobenzene (86-115)	91%

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Client Project ID: J017-101
Sample Descript: Water, AEW87-01
Lab Number: PHE00023

Sampled: Apr 30, 1998
Received: May 1, 1998
Extracted: May 11, 1998
Analyzed: May 11, 1998
Reported: May 14, 1998

PURGEABLES by GC/MS (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	5.0	N.D.
2-Butanone	10	N.D.
Carbon Disulfide	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	5.0	N.D.
Chloroform	2.0	N.D.
Chloromethane	5.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	2.0	N.D.
trans 1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis 1,3-Dichloropropene	2.0	N.D.
trans 1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	10	N.D.
4-Methyl-2-pentanone	5.0	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl acetate	5.0	N.D.
Vinyl chloride	5.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1,2-Dichloroethane-d4 (76-114)	104%
Toluene-d8 (88-110)	108%
4-Bromofluorobenzene (86-115)	103%

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Client Project ID: J017-101

Sample Descript: Water, AVB12-01
Lab Number: PHE00024

Sampled: Apr 30, 1998
Received: May 1, 1998
Extracted: May 13, 1998
Analyzed: May 13, 1998
Reported: May 14, 1998

PURGEABLES by GC/MS (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	20	N.D.
Benzene	4.0	N.D.
Bromodichloromethane	4.0	N.D.
Bromoform	4.0	N.D.
Bromomethane	10	N.D.
2-Butanone	20	N.D.
Carbon Disulfide	10	N.D.
Carbon tetrachloride	10	N.D.
Chlorobenzene	4.0	N.D.
Chlorodibromomethane	4.0	N.D.
Chloroethane	10	N.D.
Chloroform	4.0	N.D.
Chloromethane	10	N.D.
1,1-Dichloroethane	4.0	N.D.
1,2-Dichloroethane	4.0	N.D.
1,1-Dichloroethene	10	N.D.
cis-1,2-Dichloroethene	4.0	N.D.
trans 1,2-Dichloroethene	4.0	N.D.
1,2-Dichloropropane	4.0	N.D.
cis 1,3-Dichloropropene	4.0	N.D.
trans 1,3-Dichloropropene	4.0	N.D.
Ethylbenzene	4.0	N.D.
2-Hexanone	20	N.D.
Methylene chloride	20	N.D.
4-Methyl-2-pentanone	10	N.D.
Styrene	4.0	N.D.
1,1,2,2-Tetrachloroethane	4.0	N.D.
Tetrachloroethene	**4.0**	**32**
Toluene	4.0	N.D.
1,1,1-Trichloroethane	4.0	N.D.
1,1,2-Trichloroethane	4.0	N.D.
Trichloroethene	**4.0**	**110**
Trichlorofluoromethane	10	N.D.
Vinyl acetate	10	N.D.
Vinyl chloride	10	N.D.
Total Xylenes	4.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 2.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1,2-Dichloroethane-d4 (76-114)	94%
Toluene-d8 (88-110)	97%
4-Bromofluorobenzene (86-115)	92%

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Client Project ID: J017-101
Sample Descript: Water, AEW94-01
Lab Number: PHE00025

Sampled: Apr 30, 1998
Received: May 1, 1998
Extracted: May 11, 1998
Analyzed: May 11, 1998
Reported: May 14, 1998

PURGEABLES by GC/MS (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	5.0	N.D.
2-Butanone	10	N.D.
Carbon Disulfide	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	5.0	N.D.
Chloroform	2.0	N.D.
Chloromethane	5.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	**5.0**	**12**
cis-1,2-Dichloroethene	2.0	N.D.
trans 1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis 1,3-Dichloropropene	2.0	N.D.
trans 1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	10	N.D.
4-Methyl-2-pentanone	5.0	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	**2.0**	**5.3**
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	**2.0**	**6.5**
Trichlorofluoromethane	5.0	N.D.
Vinyl acetate	5.0	N.D.
Vinyl chloride	5.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1,2-Dichloroethane-d4 (76-114)	98%
Toluene-d8 (88-110)	98%
4-Bromofluorobenzene (86-115)	96%

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Client Project ID: J017-101

Sample Descript: Water, AVB62-02
Lab Number: PHE00026

Sampled: Apr 30, 1998
Received: May 1, 1998
Extracted: May 12, 1998
Analyzed: May 12, 1998
Reported: May 14, 1998

PURGEABLES by GC/MS (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	5.0	N.D.
2-Butanone	10	N.D.
Carbon Disulfide	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	5.0	N.D.
Chloroform	**2.0**	**4.2**
Chloromethane	5.0	N.D.
1,1-Dichloroethane	**2.0**	**2.8**
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	**5.0**	**5.4**
cis-1,2-Dichloroethene	**2.0**	**3.3**
trans 1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis 1,3-Dichloropropene	2.0	N.D.
trans 1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	10	N.D.
4-Methyl-2-pentanone	5.0	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	**2.0**	**5.1**
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	**2.0**	**14**
Trichlorofluoromethane	5.0	N.D.
Vinyl acetate	5.0	N.D.
Vinyl chloride	5.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1,2-Dichloroethane-d4 (76-114)	99%
Toluene-d8 (88-110)	98%
4-Bromofluorobenzene (86-115)	95%

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Client Project ID: J017-101
Sample Descript: Water, AVB69-02
Lab Number: PHE00027

Sampled: Apr 30, 1998
Received: May 1, 1998
Extracted: May 12, 1998
Analyzed: May 12, 1998
Reported: May 14, 1998

PURGEABLES by GC/MS (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	5.0	N.D.
2-Butanone	10	N.D.
Carbon Disulfide	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	5.0	N.D.
Chloroform	2.0	N.D.
Chloromethane	5.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	2.0	N.D.
trans 1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis 1,3-Dichloropropene	2.0	N.D.
trans 1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	10	N.D.
4-Methyl-2-pentanone	5.0	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	**2.0**	**36**
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl acetate	5.0	N.D.
Vinyl chloride	5.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1,2-Dichloroethane-d4 (76-114)	99%
Toluene-d8 (88-110)	98%
4-Bromofluorobenzene (86-115)	95%

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Client Project ID: J017-101

Sample Descript: Water, AVB12-02
Lab Number: PHE00028

Sampled: Apr 30, 1998
Received: May 1, 1998
Extracted: May 13, 1998
Analyzed: May 13, 1998
Reported: May 14, 1998

PURGEABLES by GC/MS (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	5.0	N.D.
2-Butanone	10	N.D.
Carbon Disulfide	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	5.0	N.D.
Chloroform	2.0	N.D.
Chloromethane	5.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	2.0	N.D.
trans 1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis 1,3-Dichloropropene	2.0	N.D.
trans 1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	10	N.D.
4-Methyl-2-pentanone	5.0	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	**2.0**	**32**
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	**2.0**	**120**
Trichlorofluoromethane	5.0	N.D.
Vinyl acetate	5.0	N.D.
Vinyl chloride	5.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1,2-Dichloroethane-d4 (76-114)	93%
Toluene-d8 (88-110)	97%
4-Bromofluorobenzene (86-115)	89%

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Client Project ID: J017-101
Sample Descript: Water, EB8-P1
Lab Number: PHE00029

Sampled: Apr 30, 1998
Received: May 1, 1998
Extracted: May 12, 1998
Analyzed: May 12, 1998
Reported: May 14, 1998

PURGEABLES by GC/MS (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	**2.0**	**2.1**
Bromoform	2.0	N.D.
Bromomethane	5.0	N.D.
2-Butanone	10	N.D.
Carbon Disulfide	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	5.0	N.D.
Chloroform	**2.0**	**4.8**
Chloromethane	5.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	2.0	N.D.
trans 1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis 1,3-Dichloropropene	2.0	N.D.
trans 1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	10	N.D.
4-Methyl-2-pentanone	5.0	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl acetate	5.0	N.D.
Vinyl chloride	5.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1,2-Dichloroethane-d4 (76-114)	103%
Toluene-d8 (88-110)	100%
4-Bromofluorobenzene (86-115)	92%

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Client Project ID: J017-101

Sample Descript: Water, Trip Blank
Lab Number: PHE00022

Sampled: Apr 30, 1998
Received: May 1, 1998
Extracted: May 11, 1998
Analyzed: May 11, 1998
Reported: May 14, 1998

MTBE (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Methyl tert-Butyl Ether	5.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX

Jeff Matsumoto
Project Manager

Surrogate Standard Recovery:	
1,2-Dichloroethane-d4 (76-114)	103%

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Client Project ID: J017-101
Sample Descript: Water, AEW87-01
Lab Number: PHE00023

Sampled: Apr 30, 1998
Received: May 1, 1998
Extracted: May 11, 1998
Analyzed: May 11, 1998
Reported: May 14, 1998

MTBE (EPA 624)

Analyte	Reporting Limit µg/L (ppb)		Sample Result µg/L (ppb)
Methyl tert-Butyl Ether	5.0		N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX

Jeff Matsumoto
Project Manager

Surrogate Standard Recovery:	
1,2-Dichloroethane-d4 (76-114)	104%

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Client Project ID: J017-101

Sample Descript: Water, AVB12-01
Lab Number: PHE00024

Sampled: Apr 30, 1998
Received: May 1, 1998
Extracted: May 13, 1998
Analyzed: May 13, 1998
Reported: May 14, 1998

MTBE (EPA 624)

Analyte	Reporting Limit µg/L (ppb)		Sample Result µg/L (ppb)
Methyl tert-Butyl Ether	10		N.D.

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 2.

DEL MAR ANALYTICAL, PHOENIX

Jeff Matsumoto
Project Manager

Surrogate Standard Recovery:	
1,2-Dichloroethane-d4 (76-114)	94%

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Client Project ID: J017-101
Sample Descript: Water, AEW94-01
Lab Number: PHE00025

Sampled: Apr 30, 1998
Received: May 1, 1998
Extracted: May 11, 1998
Analyzed: May 11, 1998
Reported: May 14, 1998

MTBE (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Methyl tert-Butyl Ether	5.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX

Jeff Matsumoto
Project Manager

Surrogate Standard Recovery:	
1,2-Dichloroethane-d4 (76-114)	98%

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Client Project ID: J017-101

Sample Descript: Water, AVB62-02
Lab Number: PHE00026

Sampled: Apr 30, 1998
Received: May 1, 1998
Extracted: May 12, 1998
Analyzed: May 12, 1998
Reported: May 14, 1998

MTBE (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Methyl tert-Butyl Ether	5.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX

Jeff Matsumoto
Project Manager

Surrogate Standard Recovery:	
1,2-Dichloroethane-d4 (76-114)	99%

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Client Project ID: J017-101
Sample Descript: Water, AVB69-02
Lab Number: PHE00027

Sampled: Apr 30, 1998
Received: May 1, 1998
Extracted: May 12, 1998
Analyzed: May 12, 1998
Reported: May 14, 1998

MTBE (EPA 624)

Analyte	Reporting Limit µg/L (ppb)		Sample Result µg/L (ppb)
Methyl tert-Butyl Ether	5.0		N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX

Jeff Matsumoto
Project Manager

Surrogate Standard Recovery:	
1,2-Dichloroethane-d4 (76-114)	99%

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Client Project ID: J017-101

Sample Descript: Water, AVB12-02
Lab Number: PHE00028

Sampled: Apr 30, 1998
Received: May 1, 1998
Extracted: May 13, 1998
Analyzed: May 13, 1998
Reported: May 14, 1998

MTBE (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Methyl tert-Butyl Ether	5.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX

Jeff Matsumoto
Project Manager

Surrogate Standard Recovery:	
1,2-Dichloroethane-d4 (76-114)	93%

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Client Project ID: J017-101

Sample Descript: Water, EB8-P1
Lab Number: PHE00029

Sampled: Apr 30, 1998
Received: May 1, 1998
Extracted: May 12, 1998
Analyzed: May 12, 1998
Reported: May 14, 1998

MTBE (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Methyl tert-Butyl Ether	5.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX

Jeff Matsumoto
Project Manager

Surrogate Standard Recovery:	
1,2-Dichloroethane-d4 (76-114)	103%

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Method Blank

Extracted: May 11, 1998
Analyzed: May 11, 1998
Reported: May 14, 1998
Matrix: Water

PURGEABLES by GC/MS (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	5.0	N.D.
2-Butanone	10	N.D.
Carbon Disulfide	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	5.0	N.D.
Chloroform	2.0	N.D.
Chloromethane	5.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	2.0	N.D.
trans-1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis-1,3-Dichloropropene	2.0	N.D.
trans-1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	10	N.D.
4-Methyl-2-pentanone	5.0	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl acetate	5.0	N.D.
Vinyl chloride	5.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1,2-Dichloroethane-d4 (76-114)	94%
Toluene-d8 (88-110)	96%
4-Bromofluorobenzene (86-115)	99%

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-3401

HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Method Blank

Extracted: May 13, 1998
Analyzed: May 13, 1998
Reported: May 14, 1998
Matrix: Water

PURGEABLES by GC/MS (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	5.0	N.D.
2-Butanone	10	N.D.
Carbon Disulfide	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	5.0	N.D.
Chloroform	2.0	N.D.
Chloromethane	5.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	2.0	N.D.
trans-1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis-1,3-Dichloropropene	2.0	N.D.
trans-1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	10	N.D.
4-Methyl-2-pentanone	5.0	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl acetate	5.0	N.D.
Vinyl chloride	5.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1,2-Dichloroethane-d4 (76-114)	94%
Toluene-d8 (88-110)	96%
4-Bromofluorobenzene (86-115)	96%

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Method Blank

Extracted: May 11, 1998
Analyzed: May 11, 1998
Reported: May 14, 1998
Matrix: Water

MTBE (EPA 624)

Analyte	Reporting Limit µg/L (ppb)		Sample Result µg/L (ppb)
Methyl tert-Butyl Ether	5.0	.....	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX

Jeff Matsumoto
Project Manager

Surrogate Standard Recovery:	
1,2-Dichloroethane-d4 (76-114).....	94%

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Method Blank

Extracted: May 13, 1998
Analyzed: May 13, 1998
Reported: May 14, 1998
Matrix: Water

MTBE (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Methyl tert-Butyl Ether	5.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX

Jeff Matsumoto
Project Manager

Surrogate Standard Recovery:	
1,2-Dichloroethane-d4 (76-114)	94%

Results pertain only to samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from Del Mar Analytical

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MS/MSD DATA REPORT

EPA METHOD: 624/8260A
Matrix: Water

DATE: 5/11/98

SAMPLE # PHD01984

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	PR
	ppb	ppb	ppb	ppb	%	%	%	%
Vinyl Chloride	0	25	30	33	120%	132%	9.5%	126%
1,1-Dichloroethene*	50	25	70	61	81%	45%	13.7%	63%
1,1-Dichloroethane	18	25	43	44	100%	104%	2.3%	102%
Chlorofrom	1	25	26	28	99%	107%	7.4%	103%
1,2-Dichloroethane	0	25	26	28	103%	111%	7.4%	107%
Benzene	0	25	25	26	100%	104%	3.9%	102%
Trichloroethene*	79	25	103	100	95%	83%	3.0%	89%
Toluene	0	25	24	26	96%	104%	8.0%	100%
Tetrachoroethene	4	25	29	30	100%	104%	3.4%	102%
Chlorobenzene	0	25	24	26	96%	104%	8.0%	100%

Definition of Terms:

R1. . . . . Result of Sample Analysis

Sp . . . . . Spike Concentration Added to Sample

MS. . . . . Matrix Spike Result

MSD . . . . . Matrix Spike Duplicate Result

PR1. . . . . Percent Recovery of MS; ((MS-R1) / SP) X 100

PR2. . . . . Percent Recovery of MSD; ((MSD-R1) / SP) X 100

RPD. . . . . Relative Percent Difference; ((MS-MSD)/(MS + MSD)/2)) X 100

QA/QC CRITERIA: *MS/MSD recoveries were outside of acceptance limits due to sample matrix effects. See LCS for batch validation.

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LABORATORY CONTROL SAMPLE

EPA METHOD: 624/8260A

DATE: 5/11/98

Analyte	St	R1	PR
	ppb	ppb	%
Benzene	25	25	100%
Chloroform	25	25	100%
1,1-Dichloroethane	25	25	100%
1,2-Dichloroethane	25	25	100%
1,1-Dichloroethene	25	26	104%
Ethylbenzene	25	26	104%
Tetrachloroethene	25	26	104%
Toluene	25	24	96%
Trichloroethene	25	27	108%
Vinyl Chloride	25	24	96%

Definition of Terms:

St. . . . . Concentration standard added to sample

R1. . . . . Standard Result

PR. . . . . Percent Recovery

Del Mar Analytical

QA/QC CRITERIA: All QA/QC was within acceptance limits.

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MS/MSD DATA REPORT

EPA METHOD 624/8260A
Matrix: Water

DATE: 5/13/98

SAMPLE # PHE00237

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Vinyl Chloride	0	25	16	18	64%	72%	11.8%	56%
1,1-Dichloroethene	0.6	25	27	28	106%	110%	3.6%	108%
1,1-Dichloroethane*	0.4	25	29	29	114%	114%	0.0%	114%
Chloroform	1	25	25	25	95%	95%	0.0%	95%
1,2-Dichloroethane	0	25	24	24	96%	96%	0.0%	96%
Benzene	0	25	27	27	108%	108%	0.0%	108%
Trichloroethene*	33.6	25	52	52	74%	74%	0.0%	74%
Toluene	0	25	24	24	96%	96%	0.0%	96%
Tetrachoroethene	18.2	25	37	38	75%	79%	2.7%	77%
Chlorobenzene	0	25	25	25	100%	100%	0.0%	100%

Definition of Terms:

R1. . . . . Result of Sample Analysis

Sp. . . . . Spike Concentration Added to Sample

MS. . . . . Matrix Spike Result

MSD. . . . . Matrix Spike Duplicate Result

PR1. . . . . Percent Recovery of MS; ((MS-R1) / SP) X 100

PR2. . . . . Percent Recovery of MSD; ((MSD-R1) / SP) X 100

RPD. . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

QA/QC CRITERIA: *QC was outside of acceptance limits due to matrix interference. See LCS for batch validation.

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-3401

LABORATORY CONTROL SAMPLE

EPA METHOD: 624/8260A

DATE: 5/13/98

Analyte	St	R1	PR	QC Limits
	ppb	ppb	%	%
Benzene	25	29	116%	(37-151)
Chloroform	25	25	100%	(51-138)
1,1-Dichloroethane	25	29	116%	(59-155)
1,2-Dichloroethane	25	25	100%	(49-155)
1,1-Dichloroethene	25	27	108%	(D-234)
Ethylbenzene	25	27	108%	(37-162)
Tetrachloroethene	25	22	88%	(64-148)
Toluene	25	26	104%	(47-150)
Trichloroethene	25	24	96%	(71-157)
Vinyl Chloride	25	29	116%	(D-251)

Definition of Terms:

St. . . . . . Concentration standard added to sample

R1. . . . . . Standard Result

PR. . . . . . Percent Recovery

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QA/QC CRITERIA: All QA/QC was within acceptance limits.

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CHAIN OF CUSTODY FORM

Client Name/Address:	Project/PO Number:
HSI GeoTrans	J017-101
Project Manager/Phone Number:	**Sampler:**
Matt Conway	P. Odenkirk

Sample Description	Sample Matrix	Container Type	#of Cont	Sampling Date/Time	Preservatives	Analysis Required: 624+TPH	Special Instructions
Trip Blank	W	VOA	1	----------	HCL	X	
AEW 87-01			2	4.30.98 0730		X	
AVB 12-01				4.30.98 0745		X	
AEW 94-01				4.30.98 0940		X	
AVB 602-02				4.30.98 1200		X	
AVB 601-02				4.30.98 1400		X	
AVB 12-02				4.30.98 1500		X	
FB 4-P1				4.30.98 1600		X	

Relinquished By:	Date /Time:	Received by:	Date /Time:
[signature]	5.1.98 1105		
Relinquished By:	Date /Time:	Received by:	Date /Time:
Relinquished By:	Date /Time:	Received in Lab by:	Date /Time:
		[signature]	5/1/98 1105

Turnaround Time: (check)

same day	____	72 hours	____
24 hours	____	5 days	____
48 hours	____	normal	X

Sample Integrity: (Check)

intact ____ on ice X

Note: Sample(s) will be disposed of after 30 days

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MAY 2 0 RECD

HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Client Project ID: J017-101

Report Number: PHE00234

Sampled: May 4-5 1998
Received: May 5, 1998
Extracted: May 7-14, 1998
Analyzed: May 9-14, 1998
Reported: May 15, 1998

CASE NARRATIVE

LABORATORY NUMBER	SAMPLE DESCRIPTION	SAMPLE MATRIX	EPA ANALYSES
PHE00234	Trip Blank	Water	624
PHE00235	AVB40-07	Water	624
PHE00236	AVB40-06	Water	624
PHE00237	AVB40-05	Water	624
PHE00238	AVB26-01	Water	624
PHE00239	AVB15-01	Water	624
PHE00240	EB9-P1	Water	624
PHE00241	EB10-K3	Water	624
PHE00242	AVB18-01	Water	624
PHE00243	Kat 2	Water	624
PHE00244	AVB47-02	Water	624
PHE00245	AVB47-01	Water	624 & 200.7
PHE00246	AVB11-02	Water	624 & 200.7
PHE00247	AVB46-01	Water	624 & 200.7

SAMPLE RECEIPT: Samples were received intact, on ice, and with chain of custody documentation.

HOLDING TIMES: Holding times were met.

PRESERVATION: Samples requiring preservation were verified prior to sample analysis.

PROBLEMS ENCOUNTERED: No problems were encountered during sample analysis.

QA/QC CRITERIA: The 624 QC was outside of acceptance limits due to matrix interference. See LCS for batch validation. All QA/QC met acceptance criteria.

OBSERVATIONS: No significant observations were made.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Client Project ID: J017-101

Sample Descript: Water, Trip Blank
Lab Number: PHE00234

Sampled: May 4, 1998
Received: May 5, 1998
Extracted: May 13, 1998
Analyzed: May 13, 1998
Reported: May 15, 1998

PURGEABLES by GC/MS (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	5.0	N.D.
2-Butanone	10	N.D.
Carbon Disulfide	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	5.0	N.D.
Chloroform	2.0	N.D.
Chloromethane	5.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	2.0	N.D.
trans 1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis 1,3-Dichloropropene	2.0	N.D.
trans 1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	10	N.D.
4-Methyl-2-pentanone	5.0	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl acetate	5.0	N.D.
Vinyl chloride	5.0	N.D.
Total Xylenes	2.0	N.D

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1,2-Dichloroethane-d4 (76-114)	95%
Toluene-d8 (88-110)	98%
4-Bromofluorobenzene (86-115)	86%

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Client Project ID: J017-101

Sample Descript: Water, AVB40-07
Lab Number: PHE00235

Sampled: May 4, 1998
Received: May 5, 1998
Extracted: May 14, 1998
Analyzed: May 14, 1998
Reported: May 15, 1998

PURGEABLES by GC/MS (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	1,000	N.D.
Benzene	200	N.D.
Bromodichloromethane	200	N.D.
Bromoform	200	N.D.
Bromomethane	500	N.D.
2-Butanone	1,000	N.D.
Carbon Disulfide	500	N.D.
Carbon tetrachloride	500	N.D.
Chlorobenzene	200	N.D.
Chlorodibromomethane	200	N.D.
Chloroethane	500	N.D.
Chloroform	200	N.D.
Chloromethane	500	N.D.
1,1-Dichloroethane	200	N.D.
1,2-Dichloroethane	200	N.D.
1,1-Dichloroethene	500	N.D.
cis-1,2-Dichloroethene	200	N.D.
trans 1,2-Dichloroethene	200	N.D.
1,2-Dichloropropane	200	N.D.
cis 1,3-Dichloropropene	200	N.D.
trans 1,3-Dichloropropene	200	N.D.
Ethylbenzene	200	N.D.
2-Hexanone	1,000	N.D.
Methylene chloride	1,000	N.D.
4-Methyl-2-pentanone	500	N.D.
Styrene	200	N.D.
1,1,2,2-Tetrachloroethane	200	N.D.
Tetrachloroethene	**200**	**7,500**
Toluene	200	N.D.
1,1,1-Trichloroethane	200	N.D.
1,1,2-Trichloroethane	200	N.D.
Trichloroethene	200	N.D.
Trichlorofluoromethane	500	N.D.
Vinyl acetate	500	N.D.
Vinyl chloride	500	N.D.
Total Xylenes	200	N.D.

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 100.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1,2-Dichloroethane-d4 (76-114)	92%
Toluene-d8 (88-110)	97%
4-Bromofluorobenzene (86-115)	88%

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Client Project ID: J017-101

Sample Descript: Water, AVB40-06
Lab Number: PHE00236

Sampled: May 4, 1998
Received: May 5, 1998
Extracted: May 13, 1998
Analyzed: May 13, 1998
Reported: May 15, 1998

PURGEABLES by GC/MS (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	100	N.D.
Benzene	20	N.D.
Bromodichloromethane	20	N.D.
Bromoform	20	N.D.
Bromomethane	50	N.D.
2-Butanone	100	N.D.
Carbon Disulfide	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	20	N.D.
Chlorodibromomethane	20	N.D.
Chloroethane	50	N.D.
Chloroform	20	N.D.
Chloromethane	50	N.D.
1,1-Dichloroethane	20	N.D.
1,2-Dichloroethane	20	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	20	N.D.
trans 1,2-Dichloroethene	20	N.D.
1,2-Dichloropropane	20	N.D.
cis 1,3-Dichloropropene	20	N.D.
trans 1,3-Dichloropropene	20	N.D.
Ethylbenzene	20	N.D.
2-Hexanone	100	N.D.
Methylene chloride	100	N.D.
4-Methyl-2-pentanone	50	N.D.
Styrene	20	N.D.
1,1,2,2-Tetrachloroethane	20	N.D.
Tetrachloroethene	**20**	**740**
Toluene	20	N.D.
1,1,1-Trichloroethane	20	N.D.
1,1,2-Trichloroethane	20	N.D.
Trichloroethene	**20**	**40**
Trichlorofluoromethane	50	N.D.
Vinyl acetate	50	N.D.
Vinyl chloride	50	N.D.
Total Xylenes	20	N.D.

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 10.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1,2-Dichloroethane-d4 (76-114)	94%
Toluene-d8 (88-110)	98%
4-Bromofluorobenzene (86-115)	88%

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Client Project ID: J017-101
Sample Descript: Water, AVB40-05
Lab Number: PHE00237

Sampled: May 4, 1998
Received: May 5, 1998
Extracted: May 13, 1998
Analyzed: May 13, 1998
Reported: May 15, 1998

PURGEABLES by GC/MS (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	5.0	N.D.
2-Butanone	10	N.D.
Carbon Disulfide	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	5.0	N.D.
Chloroform	2.0	N.D.
Chloromethane	5.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	2.0	N.D.
trans 1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis 1,3-Dichloropropene	2.0	N.D.
trans 1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	10	N.D.
4-Methyl-2-pentanone	5.0	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	**2.0**	**18**
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	**2.0**	**34**
Trichlorofluoromethane	5.0	N.D.
Vinyl acetate	5.0	N.D.
Vinyl chloride	5.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accept. Limits)	
1,2-Dichloroethane-d4 (76-114)	92%
Toluene-d8 (88-110)	96%
4-Bromofluorobenzene (86-115)	90%

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Client Project ID: J017-101
Sample Descript: Water, ~~Kat 2~~ KAT2 AVB40-08
Lab Number: PHE00243
MEC 6-1-98

Sampled: May 5, 1998
Received: May 5, 1998
Extracted: May 13, 1998
Analyzed: May 13, 1998
Reported: May 15, 1998

PURGEABLES by GC/MS (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	5.0	N.D.
2-Butanone	10	N.D.
Carbon Disulfide	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	5.0	N.D.
Chloroform	2.0	N.D.
Chloromethane	5.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	2.0	N.D.
trans 1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis 1,3-Dichloropropene	2.0	N.D.
trans 1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	10	N.D.
4-Methyl-2-pentanone	5.0	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	**2.0**	**52**
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	**2.0**	**34**
Trichlorofluoromethane	5.0	N.D.
Vinyl acetate	5.0	N.D.
Vinyl chloride	5.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accept Limits):	
1,2-Dichloroethane-d4 (76-114)	94%
Toluene-d8 (88-110)	98%
4-Bromofluorobenzene (86-115)	87%

Results pertain only to samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from Del Mar Analytical

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Client Project ID: J017-101
Sample Descript: Water, AVB26-01
Lab Number: PHE00238

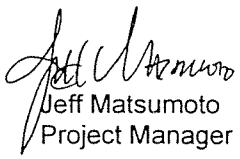
Sampled: May 4, 1998
Received: May 5, 1998
Extracted: May 13, 1998
Analyzed: May 13, 1998
Reported: May 15, 1998

PURGEABLES by GC/MS (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	5.0	N.D.
2-Butanone	10	N.D.
Carbon Disulfide	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	5.0	N.D.
Chloroform	2.0	N.D.
Chloromethane	5.0	N.D.
1,1-Dichloroethane	**2.0**	**2.1**
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	**5.0**	**10**
cis-1,2-Dichloroethene	**2.0**	**5.0**
trans 1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis 1,3-Dichloropropene	2.0	N.D.
trans 1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	10	N.D.
4-Methyl-2-pentanone	5.0	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	**2.0**	**30**
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	**2.0**	**14**
Trichlorofluoromethane	5.0	N.D.
Vinyl acetate	5.0	N.D.
Vinyl chloride	5.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)



Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1,2-Dichloroethane-d4 (76-114)	92%
Toluene-d8 (88-110)	96%
4-Bromofluorobenzene (86-115)	91%

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Client Project ID: J017-101

Sample Descript: Water, AVB15-01
Lab Number: PHE00239

Sampled: May 4, 1998
Received: May 5, 1998
Extracted: May 13, 1998
Analyzed: May 13, 1998
Reported: May 15, 1998

PURGEABLES by GC/MS (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	5.0	N.D.
2-Butanone	10	N.D.
Carbon Disulfide	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	5.0	N.D.
Chloroform	2.0	N.D.
Chloromethane	5.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	**2.0**	**9.6**
trans 1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis 1,3-Dichloropropene	2.0	N.D.
trans 1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	10	N.D.
4-Methyl-2-pentanone	5.0	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	**2.0**	**3.9**
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	**2.0**	**96**
Trichlorofluoromethane	5.0	N.D.
Vinyl acetate	5.0	N.D.
Vinyl chloride	5.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1,2-Dichloroethane-d4 (76-114)	93%
Toluene-d8 (88-110)	101%
4-Bromofluorobenzene (86-115)	91%

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Client Project ID: J017-101
Sample Descript: Water, EB9-P1
Lab Number: PHE00240

Sampled: May 4, 1998
Received: May 5, 1998
Extracted: May 13, 1998
Analyzed: May 13, 1998
Reported: May 15, 1998

PURGEABLES by GC/MS (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	**2.0**	**2.7**
Bromoform	2.0	N.D.
Bromomethane	5.0	N.D.
2-Butanone	10	N.D.
Carbon Disulfide	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	5.0	N.D.
Chloroform	**2.0**	**2.8**
Chloromethane	5.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	2.0	N.D.
trans 1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis 1,3-Dichloropropene	2.0	N.D.
trans 1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	10	N.D.
4-Methyl-2-pentanone	5.0	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl acetate	5.0	N.D.
Vinyl chloride	5.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1,2-Dichloroethane-d4 (76-114)	93%
Toluene-d8 (88-110)	97%
4-Bromofluorobenzene (86-115)	89%

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Client Project ID: J017-101

Sample Descript: Water, EB10-K3
Lab Number: PHE00241

Sampled: May 5, 1998
Received: May 5, 1998
Extracted: May 13, 1998
Analyzed: May 13, 1998
Reported: May 15, 1998

PURGEABLES by GC/MS (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	5.0	N.D.
2-Butanone	10	N.D.
Carbon Disulfide	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	5.0	N.D.
Chloroform	2.0	N.D.
Chloromethane	5.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	2.0	N.D.
trans 1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis 1,3-Dichloropropene	2.0	N.D.
trans 1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	10	N.D.
4-Methyl-2-pentanone	5.0	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl acetate	5.0	N.D.
Vinyl chloride	5.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1,2-Dichloroethane-d4 (76-114)	96%
Toluene-d8 (88-110)	96%
4-Bromofluorobenzene (86-115)	89%

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Client Project ID: J017-101

Sample Descript: Water, AVB18-01
Lab Number: PHE00242

Sampled: May 5, 1998
Received: May 5, 1998
Extracted: May 13, 1998
Analyzed: May 13, 1998
Reported: May 15, 1998

PURGEABLES by GC/MS (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	5.0	N.D.
2-Butanone	10	N.D.
Carbon Disulfide	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	5.0	N.D.
Chloroform	2.0	N.D.
Chloromethane	5.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	2.0	N.D.
trans 1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis 1,3-Dichloropropene	2.0	N.D.
trans 1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	10	N.D.
4-Methyl-2-pentanone	5.0	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	**2.0**	**2.3**
Trichlorofluoromethane	5.0	N.D.
Vinyl acetate	5.0	N.D.
Vinyl chloride	5.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1,2-Dichloroethane-d4 (76-114)	94%
Toluene-d8 (88-110)	97%
4-Bromofluorobenzene (86-115)	88%

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Client Project ID: J017-101

Sample Descript: Water, AVB47-02
Lab Number: PHE00244

Sampled: May 5, 1998
Received: May 5, 1998
Extracted: May 14, 1998
Analyzed: May 14, 1998
Reported: May 15, 1998

PURGEABLES by GC/MS (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	50	N.D.
Benzene	10	N.D.
Bromodichloromethane	10	N.D.
Bromoform	10	N.D.
Bromomethane	25	N.D.
2-Butanone	50	N.D.
Carbon Disulfide	25	N.D.
Carbon tetrachloride	25	N.D.
Chlorobenzene	10	N.D.
Chlorodibromomethane	10	N.D.
Chloroethane	25	N.D.
Chloroform	10	N.D.
Chloromethane	25	N.D.
1,1-Dichloroethane	10	N.D.
1,2-Dichloroethane	10	N.D.
1,1-Dichloroethene	25	N.D.
cis-1,2-Dichloroethene	10	N.D.
trans 1,2-Dichloroethene	10	N.D.
1,2-Dichloropropane	10	N.D.
cis 1,3-Dichloropropene	10	N.D.
trans 1,3-Dichloropropene	10	N.D.
Ethylbenzene	10	N.D.
2-Hexanone	50	N.D.
Methylene chloride	50	N.D.
4-Methyl-2-pentanone	25	N.D.
Styrene	10	N.D.
1,1,2,2-Tetrachloroethane	10	N.D.
Tetrachloroethene	**10**	**270**
Toluene	10	N.D.
1,1,1-Trichloroethane	10	N.D.
1,1,2-Trichloroethane	10	N.D.
Trichloroethene	10	N.D.
Trichlorofluoromethane	25	N.D.
Vinyl acetate	25	N.D.
Vinyl chloride	25	N.D.
Total Xylenes	10	N.D.

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 5.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1,2-Dichloroethane-d4 (76-114)	96%
Toluene-d8 (88-110)	97%
4-Bromofluorobenzene (86-115)	88%

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Client Project ID: J017-101
Sample Descript: Water, AVB47-01
Lab Number: PHE00245

Sampled: May 5, 1998
Received: May 5, 1998
Extracted: May 14, 1998
Analyzed: May 14, 1998
Reported: May 15, 1998

PURGEABLES by GC/MS (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	50	N.D.
Benzene	10	N.D.
Bromodichloromethane	10	N.D.
Bromoform	10	N.D.
Bromomethane	25	N.D.
2-Butanone	50	N.D.
Carbon Disulfide	25	N.D.
Carbon tetrachloride	25	N.D.
Chlorobenzene	10	N.D.
Chlorodibromomethane	10	N.D.
Chloroethane	25	N.D.
Chloroform	10	N.D.
Chloromethane	25	N.D.
1,1-Dichloroethane	10	N.D.
1,2-Dichloroethane	10	N.D.
1,1-Dichloroethene	25	N.D.
cis-1,2-Dichloroethene	10	N.D.
trans 1,2-Dichloroethene	10	N.D.
1,2-Dichloropropane	10	N.D.
cis 1,3-Dichloropropene	10	N.D.
trans 1,3-Dichloropropene	10	N.D.
Ethylbenzene	10	N.D.
2-Hexanone	50	N.D.
Methylene chloride	50	N.D.
4-Methyl-2-pentanone	25	N.D.
Styrene	10	N.D.
1,1,2,2-Tetrachloroethane	10	N.D.
Tetrachloroethene	**10**	**270**
Toluene	10	N.D.
1,1,1-Trichloroethane	10	N.D.
1,1,2-Trichloroethane	10	N.D.
Trichloroethene	10	N.D.
Trichlorofluoromethane	25	N.D.
Vinyl acetate	25	N.D.
Vinyl chloride	25	N.D.
Total Xylenes	10	N.D.

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 5.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1,2-Dichloroethane-d4 (76-114)	94%
Toluene-d8 (88-110)	98%
4-Bromofluorobenzene (86-115)	87%

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Client Project ID: J017-101
Sample Descript: Water, AVB11-02
Lab Number: PHE00246

Sampled: May 5, 1998
Received: May 5, 1998
Extracted: May 14, 1998
Analyzed: May 14, 1998
Reported: May 15, 1998

PURGEABLES by GC/MS (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	50	N.D.
Benzene	10	N.D.
Bromodichloromethane	10	N.D.
Bromoform	10	N.D.
Bromomethane	25	N.D.
2-Butanone	50	N.D.
Carbon Disulfide	25	N.D.
Carbon tetrachloride	25	N.D.
Chlorobenzene	10	N.D.
Chlorodibromomethane	10	N.D.
Chloroethane	25	N.D.
Chloroform	10	N.D.
Chloromethane	25	N.D.
1,1-Dichloroethane	10	N.D.
1,2-Dichloroethane	10	N.D.
1,1-Dichloroethene	25	N.D.
cis-1,2-Dichloroethene	10	N.D.
trans 1,2-Dichloroethene	10	N.D.
1,2-Dichloropropane	10	N.D.
cis 1,3-Dichloropropene	10	N.D.
trans 1,3-Dichloropropene	10	N.D.
Ethylbenzene	10	N.D.
2-Hexanone	50	N.D.
Methylene chloride	50	N.D.
4-Methyl-2-pentanone	25	N.D.
Styrene	10	N.D.
1,1,2,2-Tetrachloroethane	10	N.D.
Tetrachloroethene	**10**	**460**
Toluene	10	N.D.
1,1,1-Trichloroethane	10	N.D.
1,1,2-Trichloroethane	10	N.D.
Trichloroethene	10	N.D.
Trichlorofluoromethane	25	N.D.
Vinyl acetate	25	N.D.
Vinyl chloride	25	N.D.
Total Xylenes	10	N.D.

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 5.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accept Limits):	
1,2-Dichloroethane-d4 (76-114)	96%
Toluene-d8 (88-110)	97%
4-Bromofluorobenzene (86-115)	89%

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Client Project ID: J017-101
Sample Descript: Water, AVB46-01
Lab Number: PHE00247

Sampled: May 5, 1998
Received: May 5, 1998
Extracted: May 13, 1998
Analyzed: May 13, 1998
Reported: May 15, 1998

PURGEABLES by GC/MS (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	5.0	N.D.
2-Butanone	10	N.D.
Carbon Disulfide	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	5.0	N.D.
Chloroform	2.0	N.D.
Chloromethane	5.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	2.0	N.D.
trans 1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis 1,3-Dichloropropene	2.0	N.D.
trans 1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	10	N.D.
4-Methyl-2-pentanone	5.0	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl acetate	5.0	N.D.
Vinyl chloride	5.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accept Limits):	
1,2-Dichloroethane-d4 (76-114)	94%
Toluene-d8 (88-110)	97%
4-Bromofluorobenzene (86-115)	88%

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Client Project ID: J017-101
Sample Descript: Water, Trip Blank
Lab Number: PHE00234

Sampled: May 4, 1998
Received: May 5, 1998
Extracted: May 13, 1998
Analyzed: May 13, 1998
Reported: May 15, 1998

MTBE (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Methyl tert-Butyl Ether	5.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX

Jeff Matsumoto
Project Manager

Surrogate Standard Recovery:	
1,2-Dichloroethane-d4 (76-114)	95%

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Client Project ID: J017-101
Sample Descript: Water, AVB40-07
Lab Number: PHE00235

Sampled: May 4, 1998
Received: May 5, 1998
Extracted: May 14, 1998
Analyzed: May 14, 1998
Reported: May 15, 1998

MTBE (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Methyl tert-Butyl Ether	500	N.D.

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 100.

DEL MAR ANALYTICAL, PHOENIX

Jeff Matsumoto
Project Manager

Surrogate Standard Recovery:	
1,2-Dichloroethane-d4 (76-114)	92%

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Client Project ID: J017-101

Sample Descript: Water, AVB40-06
Lab Number: PHE00236

Sampled: May 4, 1998
Received: May 5, 1998
Extracted: May 14, 1998
Analyzed: May 14, 1998
Reported: May 15, 1998

MTBE (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Methyl tert-Butyl Ether	50	N.D.

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 10.

DEL MAR ANALYTICAL, PHOENIX

Jeff Matsumoto
Project Manager

Surrogate Standard Recovery:	
1,2-Dichloroethane-d4 (76-114)	94%

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Client Project ID: J017-101
Sample Descript: Water, AVB40-05
Lab Number: PHE00237

Sampled: May 4, 1998
Received: May 5, 1998
Extracted: May 13, 1998
Analyzed: May 13, 1998
Reported: May 15, 1998

MTBE (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Methyl tert-Butyl Ether	5.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX

Jeff Matsumoto
Project Manager

Surrogate Standard Recovery:	
1,2-Dichloroethane-d4 (76-114)	92%

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Client Project ID: J017-101
Sample Descript: Water, ~~Kat 2~~ KAT2 AVB40-08
Lab Number: PHE00243
MEC 6.1.98

Sampled: May 5, 1998
Received: May 5, 1998
Extracted: May 13, 1998
Analyzed: May 13, 1998
Reported: May 15, 1998

MTBE (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Methyl tert-Butyl Ether	5.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX

Jeff Matsumoto
Project Manager

Surrogate Standard Recovery:	
1,2-Dichloroethane-d4 (76-114)	94%

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HSI Geo Trans, Inc.	Client Project ID: J017-101	Sampled: May 4, 1998
4665 South Ash Ave., Ste. G-1		Received: May 5, 1998
Tempe, AZ 85282	Sample Descript: Water, AVB26-01	Extracted: May 13, 1998
Attention: Matt Conway	Lab Number: PHE00238	Analyzed: May 13, 1998
		Reported: May 15, 1998

MTBE (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Methyl tert-Butyl Ether	5.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX

Jeff Matsumoto
Project Manager

Surrogate Standard Recovery:	
1,2-Dichloroethane-d4 (76-114)	92%

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Client Project ID: J017-101

Sample Descript: Water, AVB15-01
Lab Number: PHE00239

Sampled: May 4, 1998
Received: May 5, 1998
Extracted: May 13, 1998
Analyzed: May 13, 1998
Reported: May 15, 1998

MTBE (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Methyl tert-Butyl Ether	5.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX

Jeff Matsumoto
Project Manager

Surrogate Standard Recovery:	
1,2-Dichloroethane-d4 (76-114)	93%

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Client Project ID: J017-101
Sample Descript: Water, EB9-P1
Lab Number: PHE00240

Sampled: May 4, 1998
Received: May 5, 1998
Extracted: May 13, 1998
Analyzed: May 13, 1998
Reported: May 15, 1998

MTBE (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Methyl tert-Butyl Ether	5.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX

Jeff Matsumoto
Project Manager

Surrogate Standard Recovery:	
1,2-Dichloroethane-d4 (76-114)	93%

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Client Project ID: J017-101

Sample Descript: Water, EB10-K3
Lab Number: PHE00241

Sampled: May 5, 1998
Received: May 5, 1998
Extracted: May 13, 1998
Analyzed: May 13, 1998
Reported: May 15, 1998

MTBE (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Methyl tert-Butyl Ether	5.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX

Jeff Matsumoto
Project Manager

Surrogate Standard Recovery:	
1,2-Dichloroethane-d4 (76-114)	96%

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-3401

HSI Geo Trans, Inc.	Client Project ID: J017-101	Sampled: May 5, 1998
4665 South Ash Ave., Ste. G-1		Received: May 5, 1998
Tempe, AZ 85282	Sample Descript: Water, AVB18-01	Extracted: May 13, 1998
Attention: Matt Conway	Lab Number: PHE00242	Analyzed: May 13, 1998
		Reported: May 15, 1998

MTBE (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Methyl tert-Butyl Ether	5.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX

Jeff Matsumoto
Project Manager

Surrogate Standard Recovery:	
1,2-Dichloroethane-d4 (76-114)	94%

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Client Project ID: J017-101

Sample Descript: Water, AVB47-02
Lab Number: PHE00244

Sampled: May 5, 1998
Received: May 5, 1998
Extracted: May 14, 1998
Analyzed: May 14, 1998
Reported: May 15, 1998

MTBE (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Methyl tert-Butyl Ether	25	N.D.

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 5.

DEL MAR ANALYTICAL, PHOENIX

Jeff Matsumoto
Project Manager

Surrogate Standard Recovery:	
1,2-Dichloroethane-d4 (76-114)	96%

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Client Project ID: J017-101
Sample Descript: Water, AVB47-01
Lab Number: PHE00245

Sampled: May 5, 1998
Received: May 5, 1998
Extracted: May 14, 1998
Analyzed: May 14, 1998
Reported: May 15, 1998

MTBE (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Methyl tert-Butyl Ether	25	N.D.

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 5.

DEL MAR ANALYTICAL, PHOENIX

Jeff Matsumoto
Project Manager

Surrogate Standard Recovery:	
1,2-Dichloroethane-d4 (76-114)	94%

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Client Project ID: J017-101
Sample Descript: Water, AVB11-02
Lab Number: PHE00246

Sampled: May 5, 1998
Received: May 5, 1998
Extracted: May 14, 1998
Analyzed: May 14, 1998
Reported: May 15, 1998

MTBE (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Methyl tert-Butyl Ether	25	N.D.

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 5.

DEL MAR ANALYTICAL, PHOENIX

Jeff Matsumoto
Project Manager

Surrogate Standard Recovery:	
1,2-Dichloroethane-d4 (76-114)	96%

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-3401

HSI Geo Trans, Inc.	Client Project ID: J017-101	Sampled:	May 5, 1998
4665 South Ash Ave., Ste. G-1		Received:	May 5, 1998
Tempe, AZ 85282	Sample Descript: Water, AVB46-01	Extracted:	May 13, 1998
Attention: Matt Conway	Lab Number: PHE00247	Analyzed:	May 13, 1998
		Reported:	May 15, 1998

MTBE (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Methyl tert-Butyl Ether	5.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX

Jeff Matsumoto
Project Manager

Surrogate Standard Recovery:	
1,2-Dichloroethane-d4 (76-114)	94%

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Client Project ID: J017-101

Sample Descript: Water
First Sample #: PHE00245

Sampled: May 5, 1998
Received: May 5, 1998
Extracted: May 7, 1998
Analyzed: May 9, 1998
Reported: May 15, 1998

TOTAL RECOVERABLE CHROMIUM (EPA 200.7)

Laboratory Number	Sample Description	Reporting Limit mg/L (ppm)	Sample Result mg/L (ppm)
PHE00245	AVB47-01	0.0050	11
PHE00246	AVB11-02	0.0050	4.9
PHE00247	AVB46-01	0.0050	12

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Method Blank

Extracted: May 13, 1998
Analyzed: May 13, 1998
Reported: May 15, 1998
Matrix: Water

PURGEABLES by GC/MS (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	5.0	N.D.
2-Butanone	10	N.D.
Carbon Disulfide	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	5.0	N.D.
Chloroform	2.0	N.D.
Chloromethane	5.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	2.0	N.D.
trans-1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis-1,3-Dichloropropene	2.0	N.D.
trans-1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	10	N.D.
4-Methyl-2-pentanone	5.0	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl acetate	5.0	N.D.
Vinyl chloride	5.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1,2-Dichloroethane-d4 (76-114)	94%
Toluene-d8 (88-110)	96%
4-Bromofluorobenzene (86-115)	96%

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Method Blank

Extracted: May 14, 1998
Analyzed: May 14, 1998
Reported: May 15, 1998
Matrix: Water

PURGEABLES by GC/MS (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	5.0	N.D.
2-Butanone	10	N.D.
Carbon Disulfide	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	5.0	N.D.
Chloroform	2.0	N.D.
Chloromethane	5.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	2.0	N.D.
trans-1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis-1,3-Dichloropropene	2.0	N.D.
trans-1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	10	N.D.
4-Methyl-2-pentanone	5.0	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl acetate	5.0	N.D.
Vinyl chloride	5.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1,2-Dichloroethane-d4 (76-114)	95%
Toluene-d8 (88-110)	96%
4-Bromofluorobenzene (86-115)	89%

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-3401

HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Method Blank

Extracted: May 13, 1998
Analyzed: May 13, 1998
Reported: May 15, 1998
Matrix: Water

MTBE (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Methyl tert-Butyl Ether	5.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX

Jeff Matsumoto
Project Manager

Surrogate Standard Recovery:	
1,2-Dichloroethane-d4 (76-114)	94%

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Method Blank

Extracted: May 14, 1998
Analyzed: May 14, 1998
Reported: May 15, 1998
Matrix: Water

MTBE (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Methyl tert-Butyl Ether	5.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX

Jeff Matsumoto
Project Manager

Surrogate Standard Recovery:	
1,2-Dichloroethane-d4 (76-114)	95%

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Method Blank

Extracted: May 7, 1998
Analyzed: May 9, 1998
Reported: May 15, 1998
Matrix: Water

TOTAL RECOVERABLE CHROMIUM (EPA 200.7)

Laboratory Description	Reporting Limit mg/L (ppm)	Sample Result mg/L (ppm)
Method Blank	0.0050	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-3401

MS/MSD DATA REPORT

EPA METHOD 624/8260A
Matrix: Water

DATE: 5/13/98

SAMPLE # PHE00237

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Vinyl Chloride	0	25	16	18	64%	72%	11.8%	56%
1,1-Dichloroethene	0.6	25	27	28	106%	110%	3.6%	108%
1,1-Dichloroethane*	0.4	25	29	29	114%	114%	0.0%	114%
Chloroform	1	25	25	25	95%	95%	0.0%	95%
1,2-Dichloroethane	0	25	24	24	96%	96%	0.0%	96%
Benzene	0	25	27	27	108%	108%	0.0%	108%
Trichloroethene*	33.6	25	52	52	74%	74%	0.0%	74%
Toluene	0	25	24	24	96%	96%	0.0%	96%
Tetrachoroethene	18.2	25	37	38	75%	79%	2.7%	77%
Chlorobenzene	0	25	25	25	100%	100%	0.0%	100%

Definition of Terms:

R1. . . . . Result of Sample Analysis

Sp. . . . . Spike Concentration Added to Sample

MS. . . . . Matrix Spike Result

MSD. . . . . Matrix Spike Duplicate Result

PR1. . . . . Percent Recovery of MS; ((MS-R1) / SP) X 100

PR2. . . . . Percent Recovery of MSD; ((MSD-R1) / SP) X 100

RPD. . . . . Relative Percent Difference; ((MS-MSD)/(MS + MSD)/2)) X 100

QA/QC CRITERIA: *QC was outside of acceptance limits due to matrix interference. See LCS for batch validation.

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LABORATORY CONTROL SAMPLE

EPA METHOD: 624/8260A

DATE: 5/13/98

Analyte	St	R1	PR	QC Limits
	ppb	ppb	%	%
Benzene	25	29	116%	(37-151)
Chloroform	25	25	100%	(51-138)
1,1-Dichloroethane	25	29	116%	(59-155)
1,2-Dichloroethane	25	25	100%	(49-155)
1,1-Dichloroethene	25	27	108%	(D-234)
Ethylbenzene	25	27	108%	(37-162)
Tetrachloroethene	25	22	88%	(64-148)
Toluene	25	26	104%	(47-150)
Trichloroethene	25	24	96%	(71-157)
Vinyl Chloride	25	29	116%	(D-251)

Definition of Terms:

St. . . . . Concentration standard added to sample

R1. . . . . Standard Result

PR. . . . . Percent Recovery

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QA/QC CRITERIA: All QA/QC was within acceptance limits.

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MS/MSD DATA REPORT

EPA METHOD 624/8260A

Matrix: Water

DATE: 5/14/98

SAMPLE # PHE00422

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Vinyl Chloride*	0	25	19	25	76%	100%	27.3%	56%
1,1-Dichloroethene	0	25	28	26	112%	104%	7.4%	108%
1,1-Dichloroethane*	0	25	30	29	120%	116%	3.4%	118%
Chloroform	0	25	25	24	100%	96%	4.1%	98%
1,2-Dichloroethane	0	25	25	24	100%	96%	4.1%	98%
Benzene*	0.1	25	29	28	116%	112%	3.5%	114%
Trichloroethene	0	25	25	24	100%	96%	4.1%	98%
Toluene	0.5	25	27	26	106%	102%	3.8%	104%
Tetrachoroethene	0	25	23	22	92%	88%	4.4%	90%
Chlorobenzene	0	25	26	25	104%	100%	3.9%	102%

Definition of Terms:

R1. . . . . Result of Sample Analysis

Sp. . . . . Spike Concentration Added to Sample

MS. . . . . Matrix Spike Result

MSD. . . . . Matrix Spike Duplicate Result

PR1. . . . . Percent Recovery of MS; ((MS-R1) / SP) X 100

PR2. . . . . Percent Recovery of MSD; ((MSD-R1) / SP) X 100

RPD. . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

QA/QC CRITERIA: *QC was outside of acceptance limits due to matrix interference. See LCS for batch validation.

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-3401

LABORATORY CONTROL SAMPLE

EPA METHOD: 624/8260A

DATE: 5/14/98

Analyte	St	R1	PR	QC Limits
	ppb	ppb	%	%
Benzene	25	29	116%	(37-151)
Chloroform	25	25	100%	(51-138)
1,1-Dichloroethane	25	30	120%	(59-155)
1,2-Dichloroethane	25	25	100%	(49-155)
1,1-Dichloroethene	25	27	108%	(D-234)
Ethylbenzene	25	27	108%	(37-162)
Tetrachloroethene	25	23	92%	(64-148)
Toluene	25	26	104%	(47-150)
Trichloroethene	25	24	96%	(71-157)
Vinyl Chloride	25	35	140%	(D-251)

Definition of Terms:

St. . . . . Concentration standard added to sample

R1. . . . . Standard Result

PR. . . . . Percent Recovery

Del Mar Analytical

QA/QC CRITERIA: All QA/QC was within acceptance limits.

Del Mar Analytical

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-3401

MS/MSD DATA REPORT

METHOD Metals
Instrument: ICP
Matrix: Water

Date: 5/9/98

Sample #: PHE00293

Analyte	R1	SP	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppm	ppm	ppm	ppm	%	%	%	%
Aluminum	0.24	1.0	1.3	1.3	106%	106%	0.0%	106%
Antimony	0	1.0	1.1	1.1	110%	110%	0.0%	110%
Arsenic	0	1.0	1.0	1.0	100%	100%	0.0%	100%
Barium	0.055	1.0	0.98	0.98	93%	93%	0.0%	93%
Beryllium	0	1.0	1.0	1.0	100%	100%	0.0%	100%
Boron	0.047	1.0	1.3	1.2	125%	115%	8.0%	120%
Calcium	150	10	160	160	100%	100%	0.0%	100%
Chromium	0	1.0	0.94	0.95	94%	95%	1.1%	95%
Cobalt	0	1.0	0.88	0.89	88%	89%	1.1%	89%
Copper	0	1.0	0.91	0.92	91%	92%	1.1%	92%
Iron	0.13	10	9.9	9.8	98%	97%	1.0%	97%
Lead	0	1.0	0.89	0.90	89%	90%	1.1%	90%
Magnesium	50	10	59	60	90%	100%	1.7%	95%
Manganese	0.097	1.0	1.0	1.0	90%	90%	0.0%	90%
Molybdenum	0.017	1.0	0.97	0.98	95%	96%	1.0%	96%
Nickel	0	1.0	0.88	0.88	88%	88%	0.0%	88%
Selenium	0	1.0	0.97	0.99	97%	99%	2.0%	98%
Silver	0	0.050	0.052	0.051	104%	102%	1.9%	103%
Thallium	0	1.0	0.92	0.93	92%	93%	0.0%	93%
Vanadium	0	1.0	0.98	0.98	98%	98%	0.0%	98%
Zinc	0	1.0	0.92	0.93	92%	93%	1.1%	93%

R1. . . . . Result of Sample Analysis
Sp. . . . . Spike Concentration Added to Sample
MS. . . . . Matrix Spike Result
MSD. . . . . Matrix Spike Duplicate Result
PR1. . . . . Percent Recovery of MS; ((MS-R1) / SP) X 100
PR2. . . . . Percent Recovery of MSD; ((MSD-R1) / SP) X 100
RPD. . . . . Relative Percent Difference; ((MS-MSD)/(MS + MSD)/2)) X 100

QA/QC CRITERIA: All QA/QC was within acceptance limits.

Del Mar Analytical

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CHAIN OF CUSTODY FORM

Client Name/Address:	Project/PO Number:
1151 G	J017-101
Project Manager/Phone Number:	**Sampler:**
Matt Conway/834-2800	P. Odekirk

Sample Description	Sample Matrix	Container Type	#of Cont	Sampling Date/Time	Preservatives	Analysis Required: 624	Analysis Required: Total Chem. Lab	Special Instructions
Trip Blank	AQ	VOA	1	----------	HCl/Ice	X		
AVB40-07			2	5.4.98 0830		X		
AVB40-06				5.4.98 0945		X		
AVB40-05				5.4.98 1100		X		
AVB26-01				5.4.98 1300		X		
AVB15-01				5.4.98 1430		X		
EB9-P1				5.4.98 1530		X		
EB10-K3				5.5.98 0806		X		
AVB18-01				5.5.98 0815		X		
Kat 2				5.5.98 0930		X		
AVB47-02		↓	↓	5.5.98 1000	↓	X		
AVB47-01		2-VOA 1-500	3	5.5.98 1100	HCl/Ice	X	X	
AVB11-02		2-VOA 1-500	3	5.5.98 1215	HCl/Ice	X	X	
AVB46-01	↓	2-VOA 1-500	3	5.5.98 1230	HCl/Ice	X	X	

Relinquished By:	Date /Time:	Received by:	Date /Time:
[signature]	5.5.98/1700		
Relinquished By:	Date /Time:	Received by:	Date /Time:
Relinquished By:	Date /Time:	Received in Lab by:	Date /Time:

Turnaround Time: (check)
same day ____ 72 hours ____
24 hours ____ 5 days ____
48 hours ____ normal X

Sample Integrity: (Check)
intact X on ice X

Note: Sample(s) will be disposed of after 30 days.

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MAY 2 3 REC'D

HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Client Project ID: J017-101

Report Number: PHE00417

Sampled: May 6-7, 1998
Received: May 7, 1998
Extracted: May 14-18, 1998
Analyzed: May 14-18, 1998
Reported: May 19, 1998

CASE NARRATIVE

LABORATORY NUMBER	SAMPLE DESCRIPTION	SAMPLE MATRIX	EPA ANALYSES
PHE00417	Trip Blank	Water	624
PHE00418	AVB02-01	Water	624
PHE00419	AVB20-01	Water	624
PHE00420	AVB66-01	Water	624
PHE00421	EB11-P4	Water	624
PHE00422	EB12-K4	Water	624
PHE00423	AVB37-02	Water	624
PHE00424	AVB37-01	Water	624
PHE00425	AVB10-01	Water	624

SAMPLE RECEIPT: Samples were received intact, on ice, and with chain of custody documentation.

HOLDING TIMES: Holding times were met.

PRESERVATION: Samples requiring preservation were verified prior to sample analysis.

PROBLEMS ENCOUNTERED: No problems were encountered during sample analysis.

QA/QC CRITERIA: All QA/QC met acceptance criteria.

OBSERVATIONS: No significant observations were made.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Client Project ID: J017-101

Sample Descript: Water, Trip Blank
Lab Number: PHE00417

Sampled: May 6, 1998
Received: May 7, 1998
Extracted: May 18, 1998
Analyzed: May 18, 1998
Reported: May 19, 1998

PURGEABLES by GC/MS (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	5.0	N.D.
2-Butanone	10	N.D.
Carbon Disulfide	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	5.0	N.D.
Chloroform	2.0	N.D.
Chloromethane	5.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	2.0	N.D.
trans 1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis 1,3-Dichloropropene	2.0	N.D.
trans 1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	10	N.D.
4-Methyl-2-pentanone	5.0	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl acetate	5.0	N.D.
Vinyl chloride	5.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1,2-Dichloroethane-d4 (76-114)	108%
Toluene-d8 (88-110)	97%
4-Bromofluorobenzene (86-115)	104%

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Client Project ID: J017-101
Sample Descript: Water, AVB02-01
Lab Number: PHE00418

Sampled: May 6, 1998
Received: May 7, 1998
Extracted: May 14, 1998
Analyzed: May 14, 1998
Reported: May 19, 1998

PURGEABLES by GC/MS (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	5.0	N.D.
2-Butanone	10	N.D.
Carbon Disulfide	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	5.0	N.D.
Chloroform	2.0	N.D.
Chloromethane	5.0	N.D.
1,1-Dichloroethane	**2.0**	**3.3**
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	**5.0**	**6.2**
cis-1,2-Dichloroethene	**2.0**	**13**
trans 1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis 1,3-Dichloropropene	2.0	N.D.
trans 1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	10	N.D.
4-Methyl-2-pentanone	5.0	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	**2.0**	**57**
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	**2.0**	**45**
Trichlorofluoromethane	5.0	N.D.
Vinyl acetate	5.0	N.D.
Vinyl chloride	5.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1,2-Dichloroethane-d4 (76-114)	96%
Toluene-d8 (88-110)	98%
4-Bromofluorobenzene (86-115)	87%

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Client Project ID: J017-101

Sample Descript: Water, AVB20-01
Lab Number: PHE00419

Sampled: May 6, 1998
Received: May 7, 1998
Extracted: May 14, 1998
Analyzed: May 14, 1998
Reported: May 19, 1998

PURGEABLES by GC/MS (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	5.0	N.D.
2-Butanone	10	N.D.
Carbon Disulfide	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	5.0	N.D.
Chloroform	**2.0**	**3.4**
Chloromethane	5.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	**2.0**	**2.3**
trans 1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis 1,3-Dichloropropene	2.0	N.D.
trans 1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	10	N.D.
4-Methyl-2-pentanone	5.0	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	**2.0**	**9.6**
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	**2.0**	**38**
Trichlorofluoromethane	5.0	N.D.
Vinyl acetate	5.0	N.D.
Vinyl chloride	5.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1,2-Dichloroethane-d4 (76-114)	96%
Toluene-d8 (88-110)	98%
4-Bromofluorobenzene (86-115)	88%

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Client Project ID: J017-101

Sample Descript: Water, AVB66-01
Lab Number: PHE00420

Sampled: May 6, 1998
Received: May 7, 1998
Extracted: May 14, 1998
Analyzed: May 14, 1998
Reported: May 19, 1998

PURGEABLES by GC/MS (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	5.0	N.D.
2-Butanone	10	N.D.
Carbon Disulfide	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	5.0	N.D.
Chloroform	2.0	N.D.
Chloromethane	5.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	**2.0**	**4.5**
trans 1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis 1,3-Dichloropropene	2.0	N.D.
trans 1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	10	N.D.
4-Methyl-2-pentanone	5.0	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	**2.0**	**10**
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	**2.0**	**4.9**
Trichlorofluoromethane	5.0	N.D.
Vinyl acetate	5.0	N.D.
Vinyl chloride	5.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accept Limits):	
1,2-Dichloroethane-d4 (76-114)	95%
Toluene-d8 (88-110)	98%
4-Bromofluorobenzene (86-115)	87%

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Client Project ID: J017-101

Sample Descript: Water, EB11-P4
Lab Number: PHE00421

Sampled: May 6, 1998
Received: May 7, 1998
Extracted: May 14, 1998
Analyzed: May 14, 1998
Reported: May 19, 1998

PURGEABLES by GC/MS (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	**2.0**	**5.3**
Bromoform	2.0	N.D.
Bromomethane	5.0	N.D.
2-Butanone	10	N.D.
Carbon Disulfide	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	**2.0**	**3.2**
Chloroethane	5.0	N.D.
Chloroform	**2.0**	**5.5**
Chloromethane	5.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	2.0	N.D.
trans 1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis 1,3-Dichloropropene	2.0	N.D.
trans 1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	10	N.D.
4-Methyl-2-pentanone	5.0	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	**2.0**	**6.6**
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl acetate	5.0	N.D.
Vinyl chloride	5.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1,2-Dichloroethane-d4 (76-114)	94%
Toluene-d8 (88-110)	97%
4-Bromofluorobenzene (86-115)	86%

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Client Project ID: J017-101

Sample Descript: Water, EB12-K4
Lab Number: PHE00422

Sampled: May 7, 1998
Received: May 7, 1998
Extracted: May 14, 1998
Analyzed: May 14, 1998
Reported: May 19, 1998

PURGEABLES by GC/MS (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	5.0	N.D.
2-Butanone	10	N.D.
Carbon Disulfide	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	5.0	N.D.
Chloroform	2.0	N.D.
Chloromethane	5.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	2.0	N.D.
trans 1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis 1,3-Dichloropropene	2.0	N.D.
trans 1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	10	N.D.
4-Methyl-2-pentanone	5.0	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl acetate	5.0	N.D.
Vinyl chloride	5.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accept Limits):	
1,2-Dichloroethane-d4 (76-114)	94%
Toluene-d8 (88-110)	98%
4-Bromofluorobenzene (86-115)	88%

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Client Project ID: J017-101
Sample Descript: Water, AVB37-02
Lab Number: PHE00423

Sampled: May 7, 1998
Received: May 7, 1998
Extracted: May 14, 1998
Analyzed: May 14, 1998
Reported: May 19, 1998

PURGEABLES by GC/MS (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	5.0	N.D.
2-Butanone	10	N.D.
Carbon Disulfide	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	5.0	N.D.
Chloroform	**2.0**	**12**
Chloromethane	5.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	2.0	N.D.
trans 1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis 1,3-Dichloropropene	2.0	N.D.
trans 1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	10	N.D.
4-Methyl-2-pentanone	5.0	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	**2.0**	**32**
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	**2.0**	**11**
Trichlorofluoromethane	5.0	N.D.
Vinyl acetate	5.0	N.D.
Vinyl chloride	5.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1,2-Dichloroethane-d4 (76-114)	96%
Toluene-d8 (88-110)	100%
4-Bromofluorobenzene (86-115)	86%

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Client Project ID: J017-101
Sample Descript: Water, AVB37-01
Lab Number: PHE00424

Sampled: May 7, 1998
Received: May 7, 1998
Extracted: May 14, 1998
Analyzed: May 14, 1998
Reported: May 19, 1998

PURGEABLES by GC/MS (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	5.0	N.D.
2-Butanone	10	N.D.
Carbon Disulfide	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	5.0	N.D.
Chloroform	2.0	N.D.
Chloromethane	5.0	N.D.
1,1-Dichloroethane	**2.0**	**9.8**
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	**5.0**	**36**
cis-1,2-Dichloroethene	**2.0**	**3.9**
trans 1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis 1,3-Dichloropropene	2.0	N.D.
trans 1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	10	N.D.
4-Methyl-2-pentanone	5.0	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	**2.0**	**44**
Toluene	2.0	N.D.
1,1,1-Trichloroethane	**2.0**	**4.3**
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	**2.0**	**15**
Trichlorofluoromethane	5.0	N.D.
Vinyl acetate	5.0	N.D.
Vinyl chloride	5.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1,2-Dichloroethane-d4 (76-114)	95%
Toluene-d8 (88-110)	99%
4-Bromofluorobenzene (86-115)	87%

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Client Project ID: J017-101
Sample Descript: Water, AVB10-01
Lab Number: PHE00425

Sampled: May 7, 1998
Received: May 7, 1998
Extracted: May 14, 1998
Analyzed: May 14, 1998
Reported: May 19, 1998

PURGEABLES by GC/MS (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	20	N.D.
Benzene	4.0	N.D.
Bromodichloromethane	4.0	N.D.
Bromoform	4.0	N.D.
Bromomethane	10	N.D.
2-Butanone	20	N.D.
Carbon Disulfide	10	N.D.
Carbon tetrachloride	10	N.D.
Chlorobenzene	4.0	N.D.
Chlorodibromomethane	4.0	N.D.
Chloroethane	10	N.D.
Chloroform	4.0	N.D.
Chloromethane	10	N.D.
1,1-Dichloroethane	4.0	N.D.
1,2-Dichloroethane	4.0	N.D.
1,1-Dichloroethene	**10**	**13**
cis-1,2-Dichloroethene	**4.0**	**14**
trans 1,2-Dichloroethene	4.0	N.D.
1,2-Dichloropropane	4.0	N.D.
cis 1,3-Dichloropropene	4.0	N.D.
trans 1,3-Dichloropropene	4.0	N.D.
Ethylbenzene	4.0	N.D.
2-Hexanone	20	N.D.
Methylene chloride	20	N.D.
4-Methyl-2-pentanone	10	N.D.
Styrene	4.0	N.D.
1,1,2,2-Tetrachloroethane	4.0	N.D.
Tetrachloroethene	**4.0**	**95**
Toluene	4.0	N.D.
1,1,1-Trichloroethane	4.0	N.D.
1,1,2-Trichloroethane	4.0	N.D.
Trichloroethene	**4.0**	**26**
Trichlorofluoromethane	10	N.D.
Vinyl acetate	10	N.D.
Vinyl chloride	10	N.D.
Total Xylenes	4.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 2.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accept. Limits)	
1,2-Dichloroethane-d4 (76-114)	97%
Toluene-d8 (88-110)	99%
4-Bromofluorobenzene (86-115)	86%

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Client Project ID: J017-101
Sample Descript: Water, Trip Blank
Lab Number: PHE00417

Sampled: May 6, 1998
Received: May 7, 1998
Extracted: May 18, 1998
Analyzed: May 18, 1998
Reported: May 19, 1998

MTBE (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Methyl tert-Butyl Ether	5.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX

Jeff Matsumoto
Project Manager

Surrogate Standard Recovery:	
1,2-Dichloroethane-d4 (76-114)	108%

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-3

HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Client Project ID: J017-101

Sample Descript: Water, AVB02-01
Lab Number: PHE00418

Sampled: May 6, 1998
Received: May 7, 1998
Extracted: May 14, 1998
Analyzed: May 14, 1998
Reported: May 19, 1998

MTBE (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Methyl tert-Butyl Ether	5.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX

Jeff Matsumoto
Project Manager

Surrogate Standard Recovery:	
1,2-Dichloroethane-d4 (76-114)	96%

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HSI Geo Trans, Inc.	Client Project ID: J017-101	Sampled: May 6, 1998
4665 South Ash Ave., Ste. G-1		Received: May 7, 1998
Tempe, AZ 85282	Sample Descript: Water, AVB20-01	Extracted: May 14, 1998
Attention: Matt Conway	Lab Number: PHE00419	Analyzed: May 14, 1998
		Reported: May 19, 1998

MTBE (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Methyl tert-Butyl Ether	5.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX

Jeff Matsumoto
Project Manager

Surrogate Standard Recovery:	
1,2-Dichloroethane-d4 (76-114)	96%

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Client Project ID: J017-101
Sample Descript: Water, AVB66-01
Lab Number: PHE00420

Sampled: May 6, 1998
Received: May 7, 1998
Extracted: May 14, 1998
Analyzed: May 14, 1998
Reported: May 19, 1998

MTBE (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Methyl tert-Butyl Ether	5.0	79

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX

Jeff Matsumoto
Project Manager

Surrogate Standard Recovery:	
1,2-Dichloroethane-d4 (76-114)	95%

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-3401

HSI Geo Trans, Inc.	Client Project ID: J017-101	Sampled: May 6, 1998
4665 South Ash Ave., Ste. G-1		Received: May 7, 1998
Tempe, AZ 85282	Sample Descript: Water, EB11-P4	Extracted: May 14, 1998
Attention: Matt Conway	Lab Number: PHE00421	Analyzed: May 14, 1998
		Reported: May 19, 1998

MTBE (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Methyl tert-Butyl Ether.....	5.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX

Jeff Matsumoto
Project Manager

Surrogate Standard Recovery:	
1,2-Dichloroethane-d4 (76-114).....	94%

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-3

HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Client Project ID: J017-101

Sample Descript: Water, EB12-K4
Lab Number: PHE00422

Sampled: May 7, 1998
Received: May 7, 1998
Extracted: May 14, 1998
Analyzed: May 14, 1998
Reported: May 19, 1998

MTBE (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Methyl tert-Butyl Ether	5.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX

Jeff Matsumoto
Project Manager

Surrogate Standard Recovery:	
1,2-Dichloroethane-d4 (76-114)	94%

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-3401

HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Client Project ID: J017-101
Sample Descript: Water, AVB37-02
Lab Number: PHE00423

Sampled: May 7, 1998
Received: May 7, 1998
Extracted: May 14, 1998
Analyzed: May 14, 1998
Reported: May 19, 1998

MTBE (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Methyl tert-Butyl Ether	5.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX

Jeff Matsumoto
Project Manager

Surrogate Standard Recovery:	
1,2-Dichloroethane-d4 (76-114)	96%

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Client Project ID: J017-101

Sample Descript: Water, AVB37-01
Lab Number: PHE00424

Sampled: May 7, 1998
Received: May 7, 1998
Extracted: May 14, 1998
Analyzed: May 14, 1998
Reported: May 19, 1998

MTBE (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Methyl tert-Butyl Ether	5.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX

Jeff Matsumoto
Project Manager

Surrogate Standard Recovery:	
1,2-Dichloroethane-d4 (76-114)	95%

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-3401

HSI Geo Trans, Inc.	Client Project ID: J017-101	Sampled: May 7, 1998
4665 South Ash Ave., Ste. G-1		Received: May 7, 1998
Tempe, AZ 85282	Sample Descript: Water, AVB10-01	Extracted: May 14, 1998
Attention: Matt Conway	Lab Number: PHE00425	Analyzed: May 14, 1998
		Reported: May 19, 1998

MTBE (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Methyl tert-Butyl Ether	10	N.D.

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 2.

DEL MAR ANALYTICAL, PHOENIX

Jeff Matsumoto
Project Manager

Surrogate Standard Recovery:	
1,2-Dichloroethane-d4 (76-114)	97%

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Method Blank

Extracted: May 14, 1998
Analyzed: May 14, 1998
Reported: May 19, 1998
Matrix: Water

PURGEABLES by GC/MS (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	5.0	N.D.
2-Butanone	10	N.D.
Carbon Disulfide	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	5.0	N.D.
Chloroform	2.0	N.D.
Chloromethane	5.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	2.0	N.D.
trans-1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis-1,3-Dichloropropene	2.0	N.D.
trans-1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	10	N.D.
4-Methyl-2-pentanone	5.0	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl acetate	5.0	N.D.
Vinyl chloride	5.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1,2-Dichloroethane-d4 (76-114)	93%
Toluene-d8 (88-110)	98%
4-Bromofluorobenzene (86-115)	88%

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Method Blank

Extracted: May 18, 1998
Analyzed: May 18, 1998
Reported: May 19, 1998
Matrix: Water

PURGEABLES by GC/MS (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	5.0	N.D.
2-Butanone	10	N.D.
Carbon Disulfide	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	5.0	N.D.
Chloroform	2.0	N.D.
Chloromethane	5.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	2.0	N.D.
trans-1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis-1,3-Dichloropropene	2.0	N.D.
trans-1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	10	N.D.
4-Methyl-2-pentanone	5.0	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl acetate	5.0	N.D.
Vinyl chloride	5.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1,2-Dichloroethane-d4 (76-114)	105%
Toluene-d8 (88-110)	96%
4-Bromofluorobenzene (86-115)	103%

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Method Blank

Extracted: May 14, 1998
Analyzed: May 14, 1998
Reported: May 19, 1998
Matrix: Water

MTBE (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Methyl tert-Butyl Ether.....	5.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX

Jeff Matsumoto
Project Manager

Surrogate Standard Recovery:	
1,2-Dichloroethane-d4 (76-114).....	93%

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Method Blank

Extracted: May 18, 1998
Analyzed: May 18, 1998
Reported: May 19, 1998
Matrix: Water

MTBE (EPA 624)

Analyte	Reporting Limit µg/L (ppb)		Sample Result µg/L (ppb)
Methyl tert-Butyl Ether	5.0	.....	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX

Jeff Matsumoto
Project Manager

Surrogate Standard Recovery:	
1,2-Dichloroethane-d4 (76-114).....	105%

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MS/MSD DATA REPORT

EPA METHOD 624/8260A

Matrix: Water

DATE: 5/14/98

SAMPLE # PHE00422

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Vinyl Chloride*	0	25	19	25	76%	100%	27.3%	56%
1,1-Dichloroethene	0	25	28	26	112%	104%	7.4%	108%
1,1-Dichloroethane*	0	25	30	29	120%	116%	3.4%	118%
Chloroform	0	25	25	24	100%	96%	4.1%	98%
1,2-Dichloroethane	0	25	25	24	100%	96%	4.1%	98%
Benzene*	0.1	25	29	28	116%	112%	3.5%	114%
Trichloroethene	0	25	25	24	100%	96%	4.1%	98%
Toluene	0.5	25	27	26	106%	102%	3.8%	104%
Tetrachoroethene	0	25	23	22	92%	88%	4.4%	90%
Chlorobenzene	0	25	26	25	104%	100%	3.9%	102%

Definition of Terms:

R1. . . . . Result of Sample Analysis

Sp. . . . . Spike Concentration Added to Sample

MS. . . . . Matrix Spike Result

MSD. . . . . Matrix Spike Duplicate Result

PR1. . . . . Percent Recovery of MS; ((MS-R1) / SP) X 100

PR2. . . . . Percent Recovery of MSD; ((MSD-R1) / SP) X 100

RPD. . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

QA/QC CRITERIA: *QC was outside of acceptance limits due to matrix interference. See LCS for batch validation.

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-3401

LABORATORY CONTROL SAMPLE

EPA METHOD: 624/8260A

DATE: 5/14/98

Analyte	St	R1	PR	QC Limits
	ppb	ppb	%	%
Benzene	25	29	116%	(37-151)
Chloroform	25	25	100%	(51-138)
1,1-Dichloroethane	25	30	120%	(59-155)
1,2-Dichloroethane	25	25	100%	(49-155)
1,1-Dichloroethene	25	27	108%	(D-234)
Ethylbenzene	25	27	108%	(37-162)
Tetrachloroethene	25	23	92%	(64-148)
Toluene	25	26	104%	(47-150)
Trichloroethene	25	24	96%	(71-157)
Vinyl Chloride	25	35	140%	(D-251)

Definition of Terms:

St. . . . . . Concentration standard added to sample

R1. . . . . . Standard Result

PR. . . . . . Percent Recovery

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QA/QC CRITERIA: All QA/QC was within acceptance limits.

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-340

MS/MSD DATA REPORT

EPA METHOD 624/8260A

Matrix: Water

DATE: 5/18/98

SAMPLE # PHE00422

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Vinyl Chloride	0	25	27	27	108%	108%	0.0%	56%
1,1-Dichloroethene	0	25	28	28	112%	112%	0.0%	112%
1,1-Dichloroethane	0	25	30	30	120%	120%	0.0%	120%
Chloroform	0	25	29	29	116%	116%	0.0%	116%
1,2-Dichloroethane	0	25	31	31	124%	124%	0.0%	124%
Benzene	0	25	28	28	112%	112%	0.0%	112%
Trichloroethene	0	25	28	27	112%	108%	3.6%	110%
Toluene	0	25	27	26	108%	104%	3.8%	106%
Tetrachoroethene	0	25	28	28	112%	112%	0.0%	112%
Chlorobenzene	0	25	28	27	112%	108%	3.6%	110%

Definition of Terms:

R1. . . . . Result of Sample Analysis

Sp. . . . . Spike Concentration Added to Sample

MS. . . . . Matrix Spike Result

MSD. . . . . Matrix Spike Duplicate Result

PR1. . . . . Percent Recovery of MS; ((MS-R1) / SP) X 100

PR2. . . . . Percent Recovery of MSD; ((MSD-R1) / SP) X 100

RPD. . . . . Relative Percent Difference; ((MS-MSD)/(MS + MSD)/2)) X 100

QA/QC CRITERIA: All QA/QC was within acceptance limits.

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CHAIN OF CUSTODY FORM

Client Name/Address:	Project/PO Number:
HSI GeoTrans	J017-101
Project Manager/Phone Number:	**Sampler:**
Matt Conway	P. Oden KIRK

Sample Description	Sample Matrix	Container Type	#of Cont	Sampling Date/Time	Preservatives	Analysis Required: G&T	Special Instructions
Trip Blank	AQ	VOA	1	—	HCL	X	
AVB02-01			2	5.6.98/0700		X	
AVB20-01				5.6.98/1130		X	
AVB66-01				5.6.98/1315		X	
EB11-P4				5.6.98/1430		X	
EB12-K4				5.7.98/0730		X	
AVB37-02				5.7.98/0810		X	
AVB37-01				5.7.98/0930		X	
AVB10-01	↓	↓	↓	5.7.98/1030	↓	X	

Relinquished By:	Date /Time:	Received by:	Date /Time:
[signature]	5.7.98/1620		
Relinquished By:	Date /Time:	Received by:	Date /Time:
Relinquished By:	Date /Time:	Received in Lab by:	Date /Time:
		[signature]	5/7/98 1620

Turnaround Time: (check)
same day ____ 72 hours ____
24 hours ____ 5 days ____
48 hours ____ normal X

Sample Integrity: (Check)
intact X on ice X

Note: Sample(s) will be disposed of after 30 days.

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Client Project ID: J017-101

Report Number: PHE00693

Sampled: May 12-13, 1998
Received: May 13, 1998
Extracted: May 18-24, 1998
Analyzed: May 18-24, 1998
Reported: May 27, 1998

CASE NARRATIVE

LABORATORY NUMBER	SAMPLE DESCRIPTION	SAMPLE MATRIX	EPA ANALYSES
PHE00693	Trip Blank	Water	624
PHE00694	AVB61-01	Water	624
PHE00695	AVB60-01	Water	624
PHE00696	AVB10-02	Water	624
PHE00697	EB13-THF1	Water	624
PHE00698	AVB11-03	Water	624
PHE00699	AVB10-03	Water	624
PHE00700	AVB10-04	Water	624
PHE00701	AVB11-04	Water	624
PHE00702	AVB66-02	Water	624
PHE00703	AVB68-04	Water	624
PHE00704	AEW01-22D	Water	624
PHE00705	AEW01-19D	Water	624
PHE00706	AEW11-01	Water	624
PHE00707	EB14-THF2	Water	624

SAMPLE RECEIPT: Samples were received intact, on ice, and with chain of custody documentation.

HOLDING TIMES: Holding times were met.

PRESERVATION: Samples requiring preservation were verified prior to sample analysis.

PROBLEMS ENCOUNTERED: No problems were encountered during sample analysis.

QA/QC CRITERIA: All QA/QC met acceptance criteria.

OBSERVATIONS: No significant observations were made.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Client Project ID: J017-101

Sample Descript: Water, Trip Blank
Lab Number: PHE00693

Sampled: May 12, 1998
Received: May 13, 1998
Extracted: May 18, 1998
Analyzed: May 18, 1998
Reported: May 27, 1998

PURGEABLES by GC/MS (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	5.0	N.D.
2-Butanone	10	N.D.
Carbon Disulfide	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	5.0	N.D.
Chloroform	2.0	N.D.
Chloromethane	5.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	2.0	N.D.
trans 1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis 1,3-Dichloropropene	2.0	N.D.
trans 1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	10	N.D.
4-Methyl-2-pentanone	5.0	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl acetate	5.0	N.D.
Vinyl chloride	5.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accept. Limits)	
1,2-Dichloroethane-d4 (76-114)	108%
Toluene-d8 (88-110)	97%
4-Bromofluorobenzene (86-115)	104%

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Client Project ID: J017-101

Sample Descript: Water, AVB61-01
Lab Number: PHE00694

Sampled: May 12, 1998
Received: May 13, 1998
Extracted: May 18, 1998
Analyzed: May 18, 1998
Reported: May 27, 1998

PURGEABLES by GC/MS (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	5.0	N.D.
2-Butanone	10	N.D.
Carbon Disulfide	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	5.0	N.D.
Chloroform	2.0	N.D.
Chloromethane	5.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	2.0	N.D.
trans 1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis 1,3-Dichloropropene	2.0	N.D.
trans 1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	10	N.D.
4-Methyl-2-pentanone	5.0	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl acetate	5.0	N.D.
Vinyl chloride	5.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1,2-Dichloroethane-d4 (76-114)	109%
Toluene-d8 (88-110)	98%
4-Bromofluorobenzene (86-115)	105%

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Client Project ID: J017-101

Sample Descript: Water, AVB60-01
Lab Number: PHE00695

Sampled: May 12, 1998
Received: May 13, 1998
Extracted: May 18, 1998
Analyzed: May 18, 1998
Reported: May 27, 1998

PURGEABLES by GC/MS (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	5.0	N.D.
2-Butanone	10	N.D.
Carbon Disulfide	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	5.0	N.D.
Chloroform	2.0	N.D.
Chloromethane	5.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	2.0	N.D.
trans 1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis 1,3-Dichloropropene	2.0	N.D.
trans 1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	10	N.D.
4-Methyl-2-pentanone	5.0	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl acetate	5.0	N.D.
Vinyl chloride	5.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accept Limits)	
1,2-Dichloroethane-d4 (76-114)	111%
Toluene-d8 (88-110)	98%
4-Bromofluorobenzene (86-115)	106%

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Client Project ID: J017-101
Sample Descript: Water, AVB10-02
Lab Number: PHE00696

Sampled: May 12, 1998
Received: May 13, 1998
Extracted: May 18, 1998
Analyzed: May 18, 1998
Reported: May 27, 1998

PURGEABLES by GC/MS (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	5.0	N.D.
2-Butanone	10	N.D.
Carbon Disulfide	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	5.0	N.D.
Chloroform	2.0	N.D.
Chloromethane	5.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	**5.0**	**26**
cis-1,2-Dichloroethene	2.0	N.D.
trans 1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis 1,3-Dichloropropene	2.0	N.D.
trans 1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	10	N.D.
4-Methyl-2-pentanone	5.0	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	**2.0**	**94**
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	**2.0**	**18**
Trichlorofluoromethane	5.0	N.D.
Vinyl acetate	5.0	N.D.
Vinyl chloride	5.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accept. Limits).	
1,2-Dichloroethane-d4 (76-114)	113%
Toluene-d8 (88-110)	98%
4-Bromofluorobenzene (86-115)	106%

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Client Project ID: J017-101

Sample Descript: Water, EB13-THF1
Lab Number: PHE00697

Sampled: May 12, 1998
Received: May 13, 1998
Extracted: May 24, 1998
Analyzed: May 24, 1998
Reported: May 27, 1998

PURGEABLES by GC/MS (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	5.0	N.D.
2-Butanone	10	N.D.
Carbon Disulfide	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	5.0	N.D.
Chloroform	2.0	N.D.
Chloromethane	5.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	2.0	N.D.
trans 1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis 1,3-Dichloropropene	2.0	N.D.
trans 1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	10	N.D.
4-Methyl-2-pentanone	5.0	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl acetate	5.0	N.D.
Vinyl chloride	5.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1,2-Dichloroethane-d4 (76-114)	112%
Toluene-d8 (88-110)	101%
4-Bromofluorobenzene (86-115)	102%

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Client Project ID: J017-101

Sample Descript: Water, AVB11-03
Lab Number: PHE00698

Sampled: May 12, 1998
Received: May 13, 1998
Extracted: May 24, 1998
Analyzed: May 24, 1998
Reported: May 27, 1998

PURGEABLES by GC/MS (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	50	N.D.
Benzene	10	N.D.
Bromodichloromethane	10	N.D.
Bromoform	10	N.D.
Bromomethane	25	N.D.
2-Butanone	50	N.D.
Carbon Disulfide	25	N.D.
Carbon tetrachloride	25	N.D.
Chlorobenzene	10	N.D.
Chlorodibromomethane	10	N.D.
Chloroethane	25	N.D.
Chloroform	10	N.D.
Chloromethane	25	N.D.
1,1-Dichloroethane	10	N.D.
1,2-Dichloroethane	10	N.D.
1,1-Dichloroethene	**25**	**28**
cis-1,2-Dichloroethene	**10**	**13**
trans 1,2-Dichloroethene	10	N.D.
1,2-Dichloropropane	10	N.D.
cis 1,3-Dichloropropene	10	N.D.
trans 1,3-Dichloropropene	10	N.D.
Ethylbenzene	10	N.D.
2-Hexanone	50	N.D.
Methylene chloride	50	N.D.
4-Methyl-2-pentanone	25	N.D.
Styrene	10	N.D.
1,1,2,2-Tetrachloroethane	10	N.D.
Tetrachloroethene	**10**	**220**
Toluene	10	N.D.
1,1,1-Trichloroethane	10	N.D.
1,1,2-Trichloroethane	10	N.D.
Trichloroethene	**10**	**35**
Trichlorofluoromethane	25	N.D.
Vinyl acetate	25	N.D.
Vinyl chloride	25	N.D.
Total Xylenes	10	N.D.

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 5.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accept. Limits).	
1,2-Dichloroethane-d4 (76-114)	113%
Toluene-d8 (88-110)	101%
4-Bromofluorobenzene (86-115)	102%

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Client Project ID: J017-101

Sample Descript: Water, AVB10-03
Lab Number: PHE00699

Sampled: May 12, 1998
Received: May 13, 1998
Extracted: May 24, 1998
Analyzed: May 24, 1998
Reported: May 27, 1998

PURGEABLES by GC/MS (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	50	N.D.
Benzene	10	N.D.
Bromodichloromethane	10	N.D.
Bromoform	10	N.D.
Bromomethane	25	N.D.
2-Butanone	50	N.D.
Carbon Disulfide	25	N.D.
Carbon tetrachloride	25	N.D.
Chlorobenzene	10	N.D.
Chlorodibromomethane	10	N.D.
Chloroethane	25	N.D.
Chloroform	10	N.D.
Chloromethane	25	N.D.
1,1-Dichloroethane	10	N.D.
1,2-Dichloroethane	10	N.D.
1,1-Dichloroethene	**25**	**28**
cis-1,2-Dichloroethene	**10**	**13**
trans 1,2-Dichloroethene	10	N.D.
1,2-Dichloropropane	10	N.D.
cis 1,3-Dichloropropene	10	N.D.
trans 1,3-Dichloropropene	10	N.D.
Ethylbenzene	10	N.D.
2-Hexanone	50	N.D.
Methylene chloride	50	N.D.
4-Methyl-2-pentanone	25	N.D.
Styrene	10	N.D.
1,1,2,2-Tetrachloroethane	10	N.D.
Tetrachloroethene	**10**	**230**
Toluene	10	N.D.
1,1,1-Trichloroethane	10	N.D.
1,1,2-Trichloroethane	10	N.D.
Trichloroethene	**10**	**37**
Trichlorofluoromethane	25	N.D.
Vinyl acetate	25	N.D.
Vinyl chloride	25	N.D.
Total Xylenes	10	N.D.

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 5.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accept. Limits)	
1,2-Dichloroethane-d4 (76-114)	112%
Toluene-d8 (88-110)	101%
4-Bromofluorobenzene (86-115)	102%

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Client Project ID: J017-101

Sample Descript: Water, AVB10-04
Lab Number: PHE00700

Sampled: May 12, 1998
Received: May 13, 1998
Extracted: May 24, 1998
Analyzed: May 24, 1998
Reported: May 27, 1998

PURGEABLES by GC/MS (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	50	N.D.
Benzene	10	N.D.
Bromodichloromethane	10	N.D.
Bromoform	10	N.D.
Bromomethane	25	N.D.
2-Butanone	50	N.D.
Carbon Disulfide	25	N.D.
Carbon tetrachloride	25	N.D.
Chlorobenzene	10	N.D.
Chlorodibromomethane	10	N.D.
Chloroethane	25	N.D.
Chloroform	10	N.D.
Chloromethane	25	N.D.
1,1-Dichloroethane	10	N.D.
1,2-Dichloroethane	10	N.D.
1,1-Dichloroethene	**25**	**36**
cis-1,2-Dichloroethene	10	N.D.
trans 1,2-Dichloroethene	10	N.D.
1,2-Dichloropropane	10	N.D.
cis 1,3-Dichloropropene	10	N.D.
trans 1,3-Dichloropropene	10	N.D.
Ethylbenzene	10	N.D.
2-Hexanone	50	N.D.
Methylene chloride	50	N.D.
4-Methyl-2-pentanone	25	N.D.
Styrene	10	N.D.
1,1,2,2-Tetrachloroethane	10	N.D.
Tetrachloroethene	**10**	**220**
Toluene	10	N.D.
1,1,1-Trichloroethane	10	N.D.
1,1,2-Trichloroethane	10	N.D.
Trichloroethene	**10**	**36**
Trichlorofluoromethane	25	N.D.
Vinyl acetate	25	N.D.
Vinyl chloride	25	N.D.
Total Xylenes	10	N.D.

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 5.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accept. Limits)	
1,2-Dichloroethane-d4 (76-114)	112%
Toluene-d8 (88-110)	101%
4-Bromofluorobenzene (86-115)	99%

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Client Project ID: J017-101

Sample Descript: Water, AVB11-04
Lab Number: PHE00701

Sampled: May 12, 1998
Received: May 13, 1998
Extracted: May 24, 1998
Analyzed: May 24, 1998
Reported: May 27, 1998

PURGEABLES by GC/MS (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	50	N.D.
Benzene	10	N.D.
Bromodichloromethane	10	N.D.
Bromoform	10	N.D.
Bromomethane	25	N.D.
2-Butanone	50	N.D.
Carbon Disulfide	25	N.D.
Carbon tetrachloride	25	N.D.
Chlorobenzene	10	N.D.
Chlorodibromomethane	10	N.D.
Chloroethane	25	N.D.
Chloroform	10	N.D.
Chloromethane	25	N.D.
1,1-Dichloroethane	10	N.D.
1,2-Dichloroethane	10	N.D.
1,1-Dichloroethene	**25**	**41**
cis-1,2-Dichloroethene	10	N.D.
trans 1,2-Dichloroethene	10	N.D.
1,2-Dichloropropane	10	N.D.
cis 1,3-Dichloropropene	10	N.D.
trans 1,3-Dichloropropene	10	N.D.
Ethylbenzene	10	N.D.
2-Hexanone	50	N.D.
Methylene chloride	50	N.D.
4-Methyl-2-pentanone	25	N.D.
Styrene	10	N.D.
1,1,2,2-Tetrachloroethane	10	N.D.
Tetrachloroethene	**10**	**250**
Toluene	10	N.D.
1,1,1-Trichloroethane	10	N.D.
1,1,2-Trichloroethane	10	N.D.
Trichloroethene	**10**	**39**
Trichlorofluoromethane	25	N.D.
Vinyl acetate	25	N.D.
Vinyl chloride	25	N.D.
Total Xylenes	10	N.D.

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 5.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1,2-Dichloroethane-d4 (76-114)	111%
Toluene-d8 (88-110)	102%
4-Bromofluorobenzene (86-115)	99%

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Client Project ID: J017-101
Sample Descript: Water, AVB66-02
Lab Number: PHE00702

Sampled: May 13, 1998
Received: May 13, 1998
Extracted: May 24, 1998
Analyzed: May 24, 1998
Reported: May 27, 1998

PURGEABLES by GC/MS (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	5.0	N.D.
2-Butanone	10	N.D.
Carbon Disulfide	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	5.0	N.D.
Chloroform	2.0	N.D.
Chloromethane	5.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	2.0	N.D.
trans 1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis 1,3-Dichloropropene	2.0	N.D.
trans 1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	10	N.D.
4-Methyl-2-pentanone	5.0	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl acetate	5.0	N.D.
Vinyl chloride	5.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accept Limits):	
1,2-Dichloroethane-d4 (76-114)	111%
Toluene-d8 (88-110)	101%
4-Bromofluorobenzene (86-115)	99%

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Client Project ID: J017-101

Sample Descript: Water, AVB68-04
Lab Number: PHE00703

Sampled: May 13, 1998
Received: May 13, 1998
Extracted: May 24, 1998
Analyzed: May 24, 1998
Reported: May 27, 1998

PURGEABLES by GC/MS (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	5.0	N.D.
2-Butanone	10	N.D.
Carbon Disulfide	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	5.0	N.D.
Chloroform	2.0	N.D.
Chloromethane	5.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	2.0	N.D.
trans 1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis 1,3-Dichloropropene	2.0	N.D.
trans 1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	10	N.D.
4-Methyl-2-pentanone	5.0	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl acetate	5.0	N.D.
Vinyl chloride	5.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accept. Limits)	
1,2-Dichloroethane-d4 (76-114)	110%
Toluene-d8 (88-110)	100%
4-Bromofluorobenzene (86-115)	99%

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Client Project ID: J017-101

Sample Descript: Water, AEW01-22D
Lab Number: PHE00704

Sampled: May 13, 1998
Received: May 13, 1998
Extracted: May 24, 1998
Analyzed: May 24, 1998
Reported: May 27, 1998

PURGEABLES by GC/MS (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	5.0	N.D.
2-Butanone	10	N.D.
Carbon Disulfide	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	5.0	N.D.
Chloroform	2.0	N.D.
Chloromethane	5.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	2.0	N.D.
trans 1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis 1,3-Dichloropropene	2.0	N.D.
trans 1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	10	N.D.
4-Methyl-2-pentanone	5.0	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl acetate	5.0	N.D.
Vinyl chloride	5.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1,2-Dichloroethane-d4 (76-114)	110%
Toluene-d8 (88-110)	101%
4-Bromofluorobenzene (86-115)	99%

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Client Project ID: J017-101

Sample Descript: Water, AEW01-19D
Lab Number: PHE00705

Sampled: May 13, 1998
Received: May 13, 1998
Extracted: May 24, 1998
Analyzed: May 24, 1998
Reported: May 27, 1998

PURGEABLES by GC/MS (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	5.0	N.D.
2-Butanone	10	N.D.
Carbon Disulfide	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	5.0	N.D.
Chloroform	2.0	N.D.
Chloromethane	5.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	2.0	N.D.
trans 1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis 1,3-Dichloropropene	2.0	N.D.
trans 1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	10	N.D.
4-Methyl-2-pentanone	5.0	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl acetate	5.0	N.D.
Vinyl chloride	5.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accept Limits)	
1,2-Dichloroethane-d4 (76-114)	109%
Toluene-d8 (88-110)	100%
4-Bromofluorobenzene (86-115)	98%

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Client Project ID: J017-101

Sample Descript: Water, AEW11-01
Lab Number: PHE00706

Sampled: May 13, 1998
Received: May 13, 1998
Extracted: May 24, 1998
Analyzed: May 24, 1998
Reported: May 27, 1998

PURGEABLES by GC/MS (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	5.0	N.D.
2-Butanone	10	N.D.
Carbon Disulfide	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	5.0	N.D.
Chloroform	2.0	N.D.
Chloromethane	5.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	2.0	N.D.
trans 1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis 1,3-Dichloropropene	2.0	N.D.
trans 1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	10	N.D.
4-Methyl-2-pentanone	5.0	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	**2.0**	**3.8**
Trichlorofluoromethane	5.0	N.D.
Vinyl acetate	5.0	N.D.
Vinyl chloride	5.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accept. Limits).	
1,2-Dichloroethane-d4 (76-114)	104%
Toluene-d8 (88-110)	101%
4-Bromofluorobenzene (86-115)	100%

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Client Project ID: J017-101

Sample Descript: Water, EB14-THF2
Lab Number: PHE00707

Sampled: May 13, 1998
Received: May 13, 1998
Extracted: May 24, 1998
Analyzed: May 24, 1998
Reported: May 27, 1998

PURGEABLES by GC/MS (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	5.0	N.D.
2-Butanone	10	N.D.
Carbon Disulfide	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	5.0	N.D.
Chloroform	2.0	N.D.
Chloromethane	5.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	2.0	N.D.
trans 1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis 1,3-Dichloropropene	2.0	N.D.
trans 1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	10	N.D.
4-Methyl-2-pentanone	5.0	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl acetate	5.0	N.D.
Vinyl chloride	5.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1,2-Dichloroethane-d4 (76-114)	106%
Toluene-d8 (88-110)	103%
4-Bromofluorobenzene (86-115)	102%

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Client Project ID: J017-101
Sample Descript: Water, Trip Blank
Lab Number: PHE00693

Sampled: May 12, 1998
Received: May 13, 1998
Extracted: May 18, 1998
Analyzed: May 18, 1998
Reported: May 27, 1998

MTBE (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Methyl tert-Butyl Ether	5.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX

Jeff Matsumoto
Project Manager

Surrogate Standard Recovery:	
1,2-Dichloroethane-d4 (76-114)	108%

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Client Project ID: J017-101

Sample Descript: Water, AVB61-01
Lab Number: PHE00694

Sampled: May 12, 1998
Received: May 13, 1998
Extracted: May 18, 1998
Analyzed: May 18, 1998
Reported: May 27, 1998

MTBE (EPA 624)

Analyte	Reporting Limit µg/L (ppb)		Sample Result µg/L (ppb)
Methyl tert-Butyl Ether	5.0		N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX

Jeff Matsumoto
Project Manager

Surrogate Standard Recovery:	
1,2-Dichloroethane-d4 (76-114)	109%

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Client Project ID: J017-101
Sample Descript: Water, AVB60-01
Lab Number: PHE00695

Sampled: May 12, 1998
Received: May 13, 1998
Extracted: May 18, 1998
Analyzed: May 18, 1998
Reported: May 27, 1998

MTBE (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Methyl tert-Butyl Ether	5.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX

Jeff Matsumoto
Project Manager

Surrogate Standard Recovery:	
1,2-Dichloroethane-d4 (76-114)	111%

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Client Project ID: J017-101
Sample Descript: Water, AVB10-02
Lab Number: PHE00696

Sampled: May 12, 1998
Received: May 13, 1998
Extracted: May 18, 1998
Analyzed: May 18, 1998
Reported: May 27, 1998

MTBE (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Methyl tert-Butyl Ether	5.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX

Jeff Matsumoto
Project Manager

Surrogate Standard Recovery:	
1,2-Dichloroethane-d4 (76-114)	113%

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Client Project ID: J017-101
Sample Descript: Water, EB13-THF1
Lab Number: PHE00697

Sampled: May 12, 1998
Received: May 13, 1998
Extracted: May 24, 1998
Analyzed: May 24, 1998
Reported: May 27, 1998

MTBE (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Methyl tert-Butyl Ether	5.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX

Jeff Matsumoto
Project Manager

Surrogate Standard Recovery:	
1,2-Dichloroethane-d4 (76-114)	112%

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Client Project ID: J017-101

Sample Descript: Water, AVB11-03
Lab Number: PHE00698

Sampled: May 12, 1998
Received: May 13, 1998
Extracted: May 24, 1998
Analyzed: May 24, 1998
Reported: May 27, 1998

MTBE (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Methyl tert-Butyl Ether	25	N.D.

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 5.

DEL MAR ANALYTICAL, PHOENIX

Jeff Matsumoto
Project Manager

Surrogate Standard Recovery:	
1,2-Dichloroethane-d4 (76-114)	113%

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Client Project ID: J017-101
Sample Descript: Water, AVB10-03
Lab Number: PHE00699

Sampled: May 12, 1998
Received: May 13, 1998
Extracted: May 24, 1998
Analyzed: May 24, 1998
Reported: May 27, 1998

MTBE (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Methyl tert-Butyl Ether	25	N.D.

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 5.

DEL MAR ANALYTICAL, PHOENIX

Jeff Matsumoto
Project Manager

Surrogate Standard Recovery:	
1,2-Dichloroethane-d4 (76-114)	112%

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Client Project ID: J017-101

Sample Descript: Water, AVB10-04
Lab Number: PHE00700

Sampled: May 12, 1998
Received: May 13, 1998
Extracted: May 24, 1998
Analyzed: May 24, 1998
Reported: May 27, 1998

MTBE (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Methyl tert-Butyl Ether	25	N.D.

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 5.

DEL MAR ANALYTICAL, PHOENIX

Jeff Matsumoto
Project Manager

Surrogate Standard Recovery:	
1,2-Dichloroethane-d4 (76-114)	112%

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Client Project ID: J017-101
Sample Descript: Water, AVB11-04
Lab Number: PHE00701

Sampled: May 12, 1998
Received: May 13, 1998
Extracted: May 24, 1998
Analyzed: May 24, 1998
Reported: May 27, 1998

MTBE (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Methyl tert-Butyl Ether	25	N.D.

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 5.

DEL MAR ANALYTICAL, PHOENIX

Jeff Matsumoto
Project Manager

Surrogate Standard Recovery:	
1,2-Dichloroethane-d4 (76-114)	111%

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Client Project ID: J017-101

Sample Descript: Water, AVB66-02
Lab Number: PHE00702

Sampled: May 13, 1998
Received: May 13, 1998
Extracted: May 24, 1998
Analyzed: May 24, 1998
Reported: May 27, 1998

MTBE (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Methyl tert-Butyl Ether	5.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX

Jeff Matsumoto
Project Manager

Surrogate Standard Recovery:	
1,2-Dichloroethane-d4 (76-114)	111%

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Client Project ID: J017-101
Sample Descript: Water, AVB68-04
Lab Number: PHE00703

Sampled: May 13, 1998
Received: May 13, 1998
Extracted: May 24, 1998
Analyzed: May 24, 1998
Reported: May 27, 1998

MTBE (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Methyl tert-Butyl Ether	5.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX

Jeff Matsumoto
Project Manager

Surrogate Standard Recovery:	
1,2-Dichloroethane-d4 (76-114)	110%

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Client Project ID: J017-101

Sample Descript: Water, AEW01-22D
Lab Number: PHE00704

Sampled: May 13, 1998
Received: May 13, 1998
Extracted: May 24, 1998
Analyzed: May 24, 1998
Reported: May 27, 1998

MTBE (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Methyl tert-Butyl Ether	5.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX

Jeff Matsumoto
Project Manager

Surrogate Standard Recovery:	
1,2-Dichloroethane-d4 (76-114)	110%

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Client Project ID: J017-101
Sample Descript: Water, AEW01-19D
Lab Number: PHE00705

Sampled: May 13, 1998
Received: May 13, 1998
Extracted: May 24, 1998
Analyzed: May 24, 1998
Reported: May 27, 1998

MTBE (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Methyl tert-Butyl Ether	5.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX

Jeff Matsumoto
Project Manager

Surrogate Standard Recovery:	
1,2-Dichloroethane-d4 (76-114)	109%

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Client Project ID: J017-101

Sample Descript: Water, AEW11-01
Lab Number: PHE00706

Sampled: May 13, 1998
Received: May 13, 1998
Extracted: May 24, 1998
Analyzed: May 24, 1998
Reported: May 27, 1998

MTBE (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Methyl tert-Butyl Ether	5.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX

Jeff Matsumoto
Project Manager

Surrogate Standard Recovery:	
1,2-Dichloroethane-d4 (76-114)	104%

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Client Project ID: J017-101
Sample Descript: Water, EB14-THF2
Lab Number: PHE00707

Sampled: May 13, 1998
Received: May 13, 1998
Extracted: May 24, 1998
Analyzed: May 24, 1998
Reported: May 27, 1998

MTBE (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Methyl tert-Butyl Ether	5.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX

Jeff Matsumoto
Project Manager

Surrogate Standard Recovery:	
1,2-Dichloroethane-d4 (76-114)	106%

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Method Blank

Extracted: May 18, 1998
Analyzed: May 18, 1998
Reported: May 27, 1998
Matrix: Water

PURGEABLES by GC/MS (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	5.0	N.D.
2-Butanone	10	N.D.
Carbon Disulfide	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	5.0	N.D.
Chloroform	2.0	N.D.
Chloromethane	5.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	2.0	N.D.
trans-1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis-1,3-Dichloropropene	2.0	N.D.
trans-1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	10	N.D.
4-Methyl-2-pentanone	5.0	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl acetate	5.0	N.D.
Vinyl chloride	5.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accept Limits):	
1,2-Dichloroethane-d4 (76-114)	105%
Toluene-d8 (88-110)	96%
4-Bromofluorobenzene (86-115)	103%

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Method Blank

Extracted: May 24, 1998
Analyzed: May 24, 1998
Reported: May 27, 1998
Matrix: Water

PURGEABLES by GC/MS (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	5.0	N.D.
2-Butanone	10	N.D.
Carbon Disulfide	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	5.0	N.D.
Chloroform	2.0	N.D.
Chloromethane	5.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	2.0	N.D.
trans-1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis-1,3-Dichloropropene	2.0	N.D.
trans-1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	10	N.D.
4-Methyl-2-pentanone	5.0	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl acetate	5.0	N.D.
Vinyl chloride	5.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1,2-Dichloroethane-d4 (76-114)	110%
Toluene-d8 (88-110)	101%
4-Bromofluorobenzene (86-115)	103%

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Method Blank

Extracted: May 18, 1998
Analyzed: May 18, 1998
Reported: May 27, 1998
Matrix: Water

MTBE (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Methyl tert-Butyl Ether	5.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX

Jeff Matsumoto
Project Manager

Surrogate Standard Recovery:	
1,2-Dichloroethane-d4 (76-114)	105%

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Method Blank

Extracted: May 24, 1998
Analyzed: May 24, 1998
Reported: May 27, 1998
Matrix: Water

MTBE (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Methyl tert-Butyl Ether	5.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX

Jeff Matsumoto
Project Manager

Surrogate Standard Recovery:	
1,2-Dichloroethane-d4 (76-114)	110%

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MS/MSD DATA REPORT

EPA METHOD 624/8260A

Matrix: Water

DATE: 5/18/98

SAMPLE # PHE00422

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Vinyl Chloride	0	25	27	27	108%	108%	0.0%	56%
1,1-Dichloroethene	0	25	28	28	112%	112%	0.0%	112%
1,1-Dichloroethane	0	25	30	30	120%	120%	0.0%	120%
Chloroform	0	25	29	29	116%	116%	0.0%	116%
1,2-Dichloroethane	0	25	31	31	124%	124%	0.0%	124%
Benzene	0	25	28	28	112%	112%	0.0%	112%
Trichloroethene	0	25	28	27	112%	108%	3.6%	110%
Toluene	0	25	27	26	108%	104%	3.8%	106%
Tetrachoroethene	0	25	28	28	112%	112%	0.0%	112%
Chlorobenzene	0	25	28	27	112%	108%	3.6%	110%

Definition of Terms:

R1. . . . . Result of Sample Analysis

Sp. . . . . Spike Concentration Added to Sample

MS. . . . . Matrix Spike Result

MSD. . . . . Matrix Spike Duplicate Result

PR1. . . . . Percent Recovery of MS; ((MS-R1) / SP) X 100

PR2. . . . . Percent Recovery of MSD; ((MSD-R1) / SP) X 100

RPD. . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

QA/QC CRITERIA: All QA/QC was within acceptance limits.

Del Mar Analytical

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MS/MSD DATA REPORT

EPA METHOD 624/8260A
Matrix: Water

DATE: 5/24/98

SAMPLE # PHE00703

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Vinyl Chloride	0	25	12	12	48%	48%	0.0%	56%
1,1-Dichloroethene	0	25	25	28	100%	112%	11.3%	106%
1,1-Dichloroethane	0	25	27	29	108%	116%	7.1%	112%
Chloroform	0	25	25	26	100%	104%	3.9%	102%
1,2-Dichloroethane	0	25	27	29	108%	116%	7.1%	112%
Benzene	0	25	25	27	100%	108%	7.7%	104%
Trichloroethene	0	25	24	26	96%	104%	8.0%	100%
Toluene	0.1	25	24	26	96%	104%	8.0%	100%
Tetrachoroethene	0	25	25	27	100%	108%	7.7%	104%
Chlorobenzene	0	25	23	25	92%	100%	8.3%	96%

Definition of Terms:

R1. . . . . Result of Sample Analysis

Sp. . . . . Spike Concentration Added to Sample

MS. . . . . Matrix Spike Result

MSD. . . . . Matrix Spike Duplicate Result

PR1. . . . . Percent Recovery of MS; ((MS-R1) / SP) X 100

PR2. . . . . Percent Recovery of MSD; ((MSD-R1) / SP) X 100

RPD. . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

QA/QC CRITERIA: The MS/MSD recoveries and/or RPD were outside of acceptance limits due to sample matrix effects. See LCS for batch validation.

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LABORATORY CONTROL SAMPLE

EPA METHOD: 624/8260A

DATE: 5/24/98

Analyte	St	R1	PR	QC Limits
	ppb	ppb	%	%
Benzene	25	25	100%	(37-151)
Chloroform	25	25	100%	(51-138)
1,1-Dichloroethane	25	26	104%	(59-155)
1,2-Dichloroethane	25	25	100%	(49-155)
1,1-Dichloroethene	25	26	104%	(D-234)
Ethylbenzene	25	21	84%	(37-162)
Tetrachloroethene	25	25	100%	(64-148)
Toluene	25	25	100%	(47-150)
Trichloroethene	25	24	96%	(71-157)
Vinyl Chloride	25	13	52%	(D-251)

Definition of Terms:

St. . . . . Concentration standard added to sample

R1. . . . . Standard Result

PR. . . . . Percent Recovery

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QA/QC CRITERIA: All QA/QC was within acceptance limits.

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CHAIN OF CUSTODY FORM

Client Name/Address:	Project/PO Number:
HSIG	J017-101
Project Manager/Phone Number:	**Sampler:**
Matt Conway	P. Odenkirk

Analysis Required

Sample Description	Sample Matrix	Container Type	#of Cont	Sampling Date/Time	Preservatives	624									Special Instructions
Trip Blank	AQ	VOA	1	—	HCL	X									
AVB 61-01			2		5.12.98 0900	X									
AVB 60-01					5.12.98 1130	X									
AVB 10-02					5.12.98 1400	X									
EB13-THF1					5.12.98 1415	X									
AVB 11-03					5.12.98 1315	X									
AVB 10-03					5.12.98 1500	X									
AVB 10-04					5.12.98 1500	X									
AVB 11-04					5.12.98 1700	X									
AVB 66-02					5.13.98 0800	X									
AVB 68-04					5.13.98 1015	X									
AEW 01-22D					5.13.98 1230	X									
AEW 01-19D					5.13.98 1400	X									
AEW 11-01					5.13.98 1545	X									

Relinquished By:	Date /Time:	Received by:	Date /Time:
[signature]	5.13.98 / 1000	[signature]	5/13/98 1600
[signature]	5.13.98 1605		
		Received in Lab by: [signature]	5/13/98 1605

Turnaround Time: (check)
same day ____ 72 hours ____
24 hours ____ 5 days ____
48 hours ____ normal X

Sample Integrity: (Check)
intact ✓ on ice X

Note: Sample(s) will be disposed of after 30 days.

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CHAIN OF CUSTODY FORM

Client Name/Address:	Project/PO Number:
[illegible]	[illegible]
Project Manager/Phone Number:	**Sampler:**
[illegible]	[illegible]

Sample Description	Sample Matrix	Container Type	#of Cont	Sampling Date/Time	Preservatives	Analysis Required									Special instructions
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	X									

Relinquished By:	Date /Time:	Received by:	Date /Time:
[illegible]	5-13-98/1400	[illegible]	[illegible]
Relinquished By:	Date /Time:	Received by:	Date /Time:
[illegible]	[illegible]		
Relinquished By:	Date /Time:	Received in Lab by:	Date /Time:
		[illegible]	5/13/98 1600

Turnaround Time: (check)
same day ____ 72 hours ____
24 hours ____ 5 days ____
48 hours ____ normal X

Sample Integrity: (Check)
intact X on ice X

Note: Samples will be disposed after 30 [illegible]

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JUN REC'D

HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Client Project ID: J017-101

Report Number: PHE00765

Sampled: May 14, 1998
Received: May 14, 1998
Extracted: May 24-25, 1998
Analyzed: May 24-25, 1998
Reported: May 28, 1998

CASE NARRATIVE

LABORATORY NUMBER	SAMPLE DESCRIPTION	SAMPLE MATRIX	EPA ANALYSES
PHE00765	Trip Blank	Water	624
PHE00766	AVB65-01	Water	624
PHE00767	AVB29-01	Water	624
PHE00768	PHW-1	Water	624
PHE00769	AVB21-01	Water	624
PHE00770	EB15-P4	Water	624

SAMPLE RECEIPT: Samples were received intact, on ice, and with chain of cust

HOLDING TIMES: Holding times were met.

PRESERVATION: Samples requiring preservation were verified prior to sample analysis.

PROBLEMS ENCOUNTERED: No problems were encountered during sample analysis.

QA/QC CRITERIA: The percent recoveries for Matrix Spike and Matrix Spike Duplicate were outside acceptance limits. See LCS for data validation.
All other QA/QC met acceptance criteria.

OBSERVATIONS: No significant observations were made.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Client Project ID: J017-101

Sample Descript: Water, Trip Blank
Lab Number: PHE00765

Sampled: May 14, 1998
Received: May 14, 1998
Extracted: May 24, 1998
Analyzed: May 24, 1998
Reported: May 28, 1998

PURGEABLES by GC/MS (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	5.0	N.D.
2-Butanone	10	N.D.
Carbon Disulfide	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	5.0	N.D.
Chloroform	2.0	N.D.
Chloromethane	5.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	2.0	N.D.
trans 1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis 1,3-Dichloropropene	2.0	N.D.
trans 1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	10	N.D.
4-Methyl-2-pentanone	5.0	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl acetate	5.0	N.D.
Vinyl chloride	5.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1,2-Dichloroethane-d4 (76-114)	104%
Toluene-d8 (88-110)	104%
4-Bromofluorobenzene (86-115)	100%

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Client Project ID: J017-101
Sample Descript: Water, AVB65-01
Lab Number: PHE00766

Sampled: May 14, 1998
Received: May 14, 1998
Extracted: May 24, 1998
Analyzed: May 24, 1998
Reported: May 28, 1998

PURGEABLES by GC/MS (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	5.0	N.D.
2-Butanone	10	N.D.
Carbon Disulfide	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	5.0	N.D.
Chloroform	2.0	N.D.
Chloromethane	5.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	**5.0**	**20**
cis-1,2-Dichloroethene	2.0	N.D.
trans 1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis 1,3-Dichloropropene	2.0	N.D.
trans 1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	10	N.D.
4-Methyl-2-pentanone	5.0	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	**2.0**	**6.6**
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	**2.0**	**2.3**
Trichlorofluoromethane	5.0	N.D.
Vinyl acetate	5.0	N.D.
Vinyl chloride	5.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accept. Limits)	
1,2-Dichloroethane-d4 (76-114)	103%
Toluene-d8 (88-110)	103%
4-Bromofluorobenzene (86-115)	100%

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Client Project ID: J017-101

Sample Descript: Water, AVB29-01
Lab Number: PHE00767

Sampled: May 14, 1998
Received: May 14, 1998
Extracted: May 25, 1998
Analyzed: May 25, 1998
Reported: May 28, 1998

PURGEABLES by GC/MS (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	5.0	N.D.
2-Butanone	10	N.D.
Carbon Disulfide	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	5.0	N.D.
Chloroform	**2.0**	**3.3**
Chloromethane	5.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	2.0	N.D.
trans 1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis 1,3-Dichloropropene	2.0	N.D.
trans 1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	10	N.D.
4-Methyl-2-pentanone	5.0	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	**2.0**	**2.9**
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl acetate	5.0	N.D.
Vinyl chloride	5.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1,2-Dichloroethane-d4 (76-114)	104%
Toluene-d8 (88-110)	102%
4-Bromofluorobenzene (86-115)	100%

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Client Project ID: J017-101
Sample Descript: Water, PHW-1
Lab Number: PHE00768

Sampled: May 14, 1998
Received: May 14, 1998
Extracted: May 25, 1998
Analyzed: May 25, 1998
Reported: May 28, 1998

PURGEABLES by GC/MS (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	5.0	N.D.
2-Butanone	10	N.D.
Carbon Disulfide	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	5.0	N.D.
Chloroform	2.0	N.D.
Chloromethane	5.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	2.0	N.D.
trans 1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis 1,3-Dichloropropene	2.0	N.D.
trans 1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	10	N.D.
4-Methyl-2-pentanone	5.0	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl acetate	5.0	N.D.
Vinyl chloride	5.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1,2-Dichloroethane-d4 (76-114)	104%
Toluene-d8 (88-110)	103%
4-Bromofluorobenzene (86-115)	99%

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Client Project ID: J017-101

Sample Descript: Water, AVB21-01
Lab Number: PHE00769

Sampled: May 14, 1998
Received: May 14, 1998
Extracted: May 25, 1998
Analyzed: May 25, 1998
Reported: May 28, 1998

PURGEABLES by GC/MS (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	5.0	N.D.
2-Butanone	10	N.D.
Carbon Disulfide	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	5.0	N.D.
Chloroform	2.0	N.D.
Chloromethane	5.0	N.D.
1,1-Dichloroethane	**2.0**	**7.1**
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	**5.0**	**11**
cis-1,2-Dichloroethene	**2.0**	**24**
trans 1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis 1,3-Dichloropropene	2.0	N.D.
trans 1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	10	N.D.
4-Methyl-2-pentanone	5.0	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	**2.0**	**8.8**
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	**2.0**	**95**
Trichlorofluoromethane	5.0	N.D.
Vinyl acetate	5.0	N.D.
Vinyl chloride	5.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1,2-Dichloroethane-d4 (76-114)	103%
Toluene-d8 (88-110)	102%
4-Bromofluorobenzene (86-115)	100%

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Client Project ID: J017-101
Sample Descript: Water, EB15-P4
Lab Number: PHE00770

Sampled: May 14, 1998
Received: May 14, 1998
Extracted: May 25, 1998
Analyzed: May 25, 1998
Reported: May 28, 1998

PURGEABLES by GC/MS (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	**2.0**	**20**
Bromoform	2.0	N.D.
Bromomethane	5.0	N.D.
2-Butanone	10	N.D.
Carbon Disulfide	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	**2.0**	**6.0**
Chloroethane	5.0	N.D.
Chloroform	**2.0**	**41**
Chloromethane	5.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	2.0	N.D.
trans 1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis 1,3-Dichloropropene	2.0	N.D.
trans 1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	10	N.D.
4-Methyl-2-pentanone	5.0	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	**2.0**	**4.1**
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl acetate	5.0	N.D.
Vinyl chloride	5.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1,2-Dichloroethane-d4 (76-114)	103%
Toluene-d8 (88-110)	102%
4-Bromofluorobenzene (86-115)	98%

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-34

HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Client Project ID: J017-101

Sample Descript: Water, Trip Blank
Lab Number: PHE00765

Sampled: May 14, 1998
Received: May 14, 1998
Extracted: May 24, 1998
Analyzed: May 24, 1998
Reported: May 28, 1998

MTBE (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Methyl tert-Butyl Ether	5.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX

Jeff Matsumoto
Project Manager

Surrogate Standard Recovery:	
1,2-Dichloroethane-d4 (76-114)	104%

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9484 Chesapeake Dr., Suite 805, San Diego, CA 92123 (619) 505-9596 FAX (619) 505-968
2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-340

HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Client Project ID: J017-101

Sample Descript: Water, AVB65-01
Lab Number: PHE00766

Sampled: May 14, 1998
Received: May 14, 1998
Extracted: May 24, 1998
Analyzed: May 24, 1998
Reported: May 28, 1998

MTBE (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Methyl tert-Butyl Ether	5.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX

Jeff Matsumoto
Project Manager

Surrogate Standard Recovery:	
1,2-Dichloroethane-d4 (76-114)	103%

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9484 Chesapeake Dr., Suite 805, San Diego, CA 92123 (619) 505-9596 FAX (619) 505-968
2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-34

HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Client Project ID: J017-101

Sample Descript: Water, AVB29-01
Lab Number: PHE00767

Sampled: May 14, 1998
Received: May 14, 1998
Extracted: May 25, 1998
Analyzed: May 25, 1998
Reported: May 28, 1998

MTBE (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Methyl tert-Butyl Ether	5.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX

Jeff Matsumoto
Project Manager

Surrogate Standard Recovery:	
1,2-Dichloroethane-d4 (76-114)	104%

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9484 Chesapeake Dr., Suite 805, San Diego, CA 92123 (619) 505-9596 FAX (619) 505-968S
2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-3401

HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Client Project ID: J017-101
Sample Descript: Water, PHW-1
Lab Number: PHE00768

Sampled: May 14, 1998
Received: May 14, 1998
Extracted: May 25, 1998
Analyzed: May 25, 1998
Reported: May 28, 1998

MTBE (EPA 624)

Analyte	Reporting Limit µg/L (ppb)		Sample Result µg/L (ppb)
Methyl tert-Butyl Ether	5.0	.....	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX

Jeff Matsumoto
Project Manager

Surrogate Standard Recovery:	
1,2-Dichloroethane-d4 (76-114).....	104%

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Client Project ID: J017-101

Sample Descript: Water, AVB21-01
Lab Number: PHE00769

Sampled: May 14, 1998
Received: May 14, 1998
Extracted: May 25, 1998
Analyzed: May 25, 1998
Reported: May 28, 1998

MTBE (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Methyl tert-Butyl Ether	5.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX

Jeff Matsumoto
Project Manager

Surrogate Standard Recovery:	
1,2-Dichloroethane-d4 (76-114)	103%

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16525 Sherman Way, Suite C-11, Van Nuys, CA 91406 (818) 779-1844 FAX (818) 779-184
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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-3401

HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Client Project ID: J017-101

Sample Descript: Water, EB15-P4
Lab Number: PHE00770

Sampled: May 14, 1998
Received: May 14, 1998
Extracted: May 25, 1998
Analyzed: May 25, 1998
Reported: May 28, 1998

MTBE (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Methyl tert-Butyl Ether	5.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX

Jeff Matsumoto
Project Manager

Surrogate Standard Recovery:	
1,2-Dichloroethane-d4 (76-114)	103%

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-1

HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Method Blank

Extracted: May 24, 1998
Analyzed: May 24, 1998
Reported: May 28, 1998
Matrix: Water

PURGEABLES by GC/MS (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	5.0	N.D.
2-Butanone	10	N.D.
Carbon Disulfide	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	5.0	N.D.
Chloroform	2.0	N.D.
Chloromethane	5.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	2.0	N.D.
trans-1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis-1,3-Dichloropropene	2.0	N.D.
trans-1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	10	N.D.
4-Methyl-2-pentanone	5.0	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl acetate	5.0	N.D.
Vinyl chloride	5.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accept Limits):	
1,2-Dichloroethane-d4 (76-114)	106%
Toluene-d8 (88-110)	102%
4-Bromofluorobenzene (86-115)	100%

Results pertain only to samples tested in the laboratory. This report shall not be reproduced except in full without written permission from Del Mar Analytical

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Method Blank

Extracted: May 24, 1998
Analyzed: May 24, 1998
Reported: May 28, 1998
Matrix: Water

MTBE (EPA 624)

Analyte	Reporting Limit µg/L (ppb)		Sample Result µg/L (ppb)
Methyl tert-Butyl Ether	5.0	.....	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX

Jeff Matsumoto
Project Manager

Surrogate Standard Recovery:	
1,2-Dichloroethane-d4 (76-114).....	106%

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-

MS/MSD DATA REPORT

EPA METHOD 624/8260A
Matrix: Water

DATE: 5/24/98

SAMPLE # PHE00703

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Vinyl Chloride	0	25	12	12	48%	48%	0.0%	56%
1,1-Dichloroethene	0	25	25	28	100%	112%	11.3%	106%
1,1-Dichloroethane	0	25	27	29	108%	116%	7.1%	112%
Chloroform	0	25	25	26	100%	104%	3.9%	102%
1,2-Dichloroethane	0	25	27	29	108%	116%	7.1%	112%
Benzene	0	25	25	27	100%	108%	7.7%	104%
Trichloroethene	0	25	24	26	96%	104%	8.0%	100%
Toluene	0.1	25	24	26	96%	104%	8.0%	100%
Tetrachoroethene	0	25	25	27	100%	108%	7.7%	104%
Chlorobenzene	0	25	23	25	92%	100%	8.3%	96%

Definition of Terms:

R1. . . . . Result of Sample Analysis

Sp. . . . . Spike Concentration Added to Sample

MS. . . . . Matrix Spike Result

MSD. . . . . Matrix Spike Duplicate Result

PR1. . . . . Percent Recovery of MS; ((MS-R1) / SP) X 100

PR2. . . . . Percent Recovery of MSD; ((MSD-R1) / SP) X 100

RPD. . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

QA/QC CRITERIA: The MS/MSD recoveries and/or RPD were outside of acceptance limits due to sample matrix effects. See LCS for batch validation.

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16525 Sherman Way, Suite C-11, Van Nuys, CA 91406 (818) 779-1844 FAX (818) 779-18
2465 W. 12th St., Suite 1, Tempe, AZ-85281 (602) 968-8272 FAX (602) 968-13

LABORATORY CONTROL SAMPLE

EPA METHOD: 624/8260A

DATE: 5/24/98

Analyte	St	R1	PR	QC Limits
	ppb	ppb	%	%
Benzene	25	25	100%	(37-151)
Chloroform	25	25	100%	(51-138)
1,1-Dichloroethane	25	26	104%	(59-155)
1,2-Dichloroethane	25	25	100%	(49-155)
1,1-Dichloroethene	25	26	104%	(D-234)
Ethylbenzene	25	21	84%	(37-162)
Tetrachloroethene	25	25	100%	(64-148)
Toluene	25	25	100%	(47-150)
Trichloroethene	25	24	96%	(71-157)
Vinyl Chloride	25	13	52%	(D-251)

Definition of Terms:

St. . . . . . Concentration standard added to sample

R1. . . . . . Standard Result

PR. . . . . . Percent Recovery

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QA/QC CRITERIA: All QA/QC was within acceptance limits.

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2465 W 12th St., Suite 1 Tempe, AZ 85281 (602) 968 8272 FAX (602) 968 1338

CHAIN OF CUSTODY FORM

Client Name/Address:	Project/PO Number:
HSLA	Jo 17-101
Project Manager/Phone Number:	**Sampler:**
Matt Conway	P. Odell RK

Sample Description	Sample Matrix	Container Type	#of Cont	Sampling Date/Time	Preservatives	624	Special Instructions
Trip Blank	AQ	VOA	1	------	HCL	X	
AVB65-01			2	5-14-98 0820		X	
AVB24-01			2	5-14-98 1020		X	
PHW-1				5-14-98 1130		X	
AVB21-01				5-14-98 1230		X	
EB15-P4	↓	↓	↓	5-14-98 1400	↓	X	

Relinquished By:	Date /Time:	Received by:	Date /Time:
[signature]	5-14-98 1440		
Relinquished By:	Date /Time:	Received by:	Date /Time:
Relinquished By:	Date /Time:	Received in Lab by:	Date /Time:

Turnaround Time: (check)

same day	____	72 hours	____
24 hours	____	5 days	____
48 hours	____	normal	X

Sample Integrity: (Check)

intact X on ice X

Note: Sample(s) will be disposed of after 30 days

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9484 Chesapeake Dr., Suite 805, San Diego, CA 92123 (619) 505-9596 FAX (619) 505-9689
2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-3401

JUN 2 RECD

HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Client Project ID: J017-101

Report Number: PHF00640

Sampled:	Jun 5, 1998
Received:	Jun 5, 1998
Extracted:	Jun 15, 1998
Analyzed:	Jun 15, 1998
Reported:	Jun 16, 1998

CASE NARRATIVE

LABORATORY NUMBER	SAMPLE DESCRIPTION	SAMPLE MATRIX	EPA ANALYSES
PHF00640	Trip Blank	Water	624
PHF00641	AVB69-02 01 MEC	Water	624
PHF00642	AVB69-03	Water	624
PHF00643	BB-1	Water	624
PHF00644	EB20-P3	Water	624

SAMPLE RECEIPT: Samples were received intact, on ice, and with chain of custody documentation.

HOLDING TIMES: Holding times were met.

PRESERVATION: Samples requiring preservation were verified prior to sample analysis.

PROBLEMS ENCOUNTERED: No problems were encountered during sample analysis.

QA/QC CRITERIA: All QA/QC met acceptance criteria.

OBSERVATIONS: No significant observations were made.

SUBCONTRACTED: No analyses were subcontracted to an outside laboratory.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-3401

HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Client Project ID: J017-101

Sample Descript: Water, Trip Blank
Lab Number: PHF00640

Sampled: Jun 5, 1998
Received: Jun 5, 1998
Extracted: Jun 15, 1998
Analyzed: Jun 15, 1998
Reported: Jun 16, 1998

PURGEABLES by GC/MS (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	5.0	N.D.
2-Butanone	10	N.D.
Carbon Disulfide	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	5.0	N.D.
Chloroform	2.0	N.D.
Chloromethane	5.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	2.0	N.D.
trans 1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis 1,3-Dichloropropene	2.0	N.D.
trans 1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	10	N.D.
4-Methyl-2-pentanone	5.0	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl acetate	5.0	N.D.
Vinyl chloride	5.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

J.M.

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1,2-Dichloroethane-d4 (76-114)	105%
Toluene-d8 (88-110)	102%
4-Bromofluorobenzene (86-115)	93%

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Client Project ID: J017-101

Sample Descript: Water, AVB69-02/01 MEC
Lab Number: PHF00641

Sampled: Jun 5, 1998
Received: Jun 5, 1998
Extracted: Jun 15, 1998
Analyzed: Jun 15, 1998
Reported: Jun 16, 1998

PURGEABLES by GC/MS (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	5.0	N.D.
2-Butanone	10	N.D.
Carbon Disulfide	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	5.0	N.D.
Chloroform	2.0	N.D.
Chloromethane	5.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	2.0	N.D.
trans 1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis 1,3-Dichloropropene	2.0	N.D.
trans 1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	10	N.D.
4-Methyl-2-pentanone	5.0	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	**2.0**	**26**
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl acetate	5.0	N.D.
Vinyl chloride	5.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

J.M.
Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accept Limits):	
1,2-Dichloroethane-d4 (76-114)	103%
Toluene-d8 (88-110)	102%
4-Bromofluorobenzene (86-115)	92%

Results pertain only to samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from Del Mar Analytical

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Client Project ID: J017-101

Sample Descript: Water, AVB69-03
Lab Number: PHF00642

Sampled: Jun 5, 1998
Received: Jun 5, 1998
Extracted: Jun 15, 1998
Analyzed: Jun 15, 1998
Reported: Jun 16, 1998

PURGEABLES by GC/MS (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	5.0	N.D.
2-Butanone	10	N.D.
Carbon Disulfide	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	5.0	N.D.
Chloroform	2.0	N.D.
Chloromethane	5.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	2.0	N.D.
trans 1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis 1,3-Dichloropropene	2.0	N.D.
trans 1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	10	N.D.
4-Methyl-2-pentanone	5.0	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	**2.0**	**28**
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl acetate	5.0	N.D.
Vinyl chloride	5.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

J.M.
Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accept Limits):	
1,2-Dichloroethane-d4 (76-114)	104%
Toluene-d8 (88-110)	103%
4-Bromofluorobenzene (86-115)	91%

Results pertain only to samples tested in the laboratory. This report shall not be reproduced except in full without written permission from Del Mar Analytical

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Client Project ID: J017-101
Sample Descript: Water, BB-1
Lab Number: PHF00643

Sampled: Jun 5, 1998
Received: Jun 5, 1998
Extracted: Jun 15, 1998
Analyzed: Jun 15, 1998
Reported: Jun 16, 1998

PURGEABLES by GC/MS (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	5.0	N.D.
2-Butanone	10	N.D.
Carbon Disulfide	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	5.0	N.D.
Chloroform	**2.0**	**2.2**
Chloromethane	5.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	**2.0**	**13**
trans 1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis 1,3-Dichloropropene	2.0	N.D.
trans 1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	10	N.D.
4-Methyl-2-pentanone	5.0	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	**2.0**	**7.3**
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	**2.0**	**100**
Trichlorofluoromethane	5.0	N.D.
Vinyl acetate	5.0	N.D.
Vinyl chloride	5.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

J.M.
Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1,2-Dichloroethane-d4 (76-114)	103%
Toluene-d8 (88-110)	103%
4-Bromofluorobenzene (86-115)	91%

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Client Project ID: J017-101
Sample Descript: Water, EB20-P3
Lab Number: PHF00644

Sampled: Jun 5, 1998
Received: Jun 5, 1998
Extracted: Jun 15, 1998
Analyzed: Jun 15, 1998
Reported: Jun 16, 1998

PURGEABLES by GC/MS (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	**2.0**	**2.2**
Bromoform	2.0	N.D.
Bromomethane	5.0	N.D.
2-Butanone	10	N.D.
Carbon Disulfide	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	5.0	N.D.
Chloroform	**2.0**	**7.4**
Chloromethane	5.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	2.0	N.D.
trans 1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis 1,3-Dichloropropene	2.0	N.D.
trans 1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	10	N.D.
4-Methyl-2-pentanone	5.0	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	**2.0**	**2.2**
Trichlorofluoromethane	5.0	N.D.
Vinyl acetate	5.0	N.D.
Vinyl chloride	5.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

J.M.
Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1,2-Dichloroethane-d4 (76-114)	105%
Toluene-d8 (88-110)	102%
4-Bromofluorobenzene (86-115)	91%

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Client Project ID: J017-101
Sample Descript: Water, Trip Blank
Lab Number: PHF00640

Sampled: Jun 5, 1998
Received: Jun 5, 1998
Extracted: Jun 15, 1998
Analyzed: Jun 15, 1998
Reported: Jun 16, 1998

MTBE (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Methyl tert-Butyl Ether	5.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX

J.M.
Jeff Matsumoto
Project Manager

Surrogate Standard Recovery:	
1,2-Dichloroethane-d4 (76-114)	105%

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Client Project ID: J017-101
Sample Descript: Water, AVB69-02
Lab Number: PHF00641

Sampled: Jun 5, 1998
Received: Jun 5, 1998
Extracted: Jun 15, 1998
Analyzed: Jun 15, 1998
Reported: Jun 16, 1998

MTBE (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Methyl tert-Butyl Ether	5.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX

J.M.
Jeff Matsumoto
Project Manager

Surrogate Standard Recovery:	
1,2-Dichloroethane-d4 (76-114)	103%

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Client Project ID: J017-101
Sample Descript: Water, AVB69-03
Lab Number: PHF00642

Sampled: Jun 5, 1998
Received: Jun 5, 1998
Extracted: Jun 15, 1998
Analyzed: Jun 15, 1998
Reported: Jun 16, 1998

MTBE (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Methyl tert-Butyl Ether	5.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX

J.M.
Jeff Matsumoto
Project Manager

Surrogate Standard Recovery:	
1,2-Dichloroethane-d4 (76-114)	104%

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Client Project ID: J017-101
Sample Descript: Water, BB-1
Lab Number: PHF00643

Sampled: Jun 5, 1998
Received: Jun 5, 1998
Extracted: Jun 15, 1998
Analyzed: Jun 15, 1998
Reported: Jun 16, 1998

MTBE (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Methyl tert-Butyl Ether	5.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX

J.M.
Jeff Matsumoto
Project Manager

Surrogate Standard Recovery:	
1,2-Dichloroethane-d4 (76-114)	103%

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Client Project ID: J017-101
Sample Descript: Water, EB20-P3
Lab Number: PHF00644

Sampled: Jun 5, 1998
Received: Jun 5, 1998
Extracted: Jun 15, 1998
Analyzed: Jun 15, 1998
Reported: Jun 16, 1998

MTBE (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Methyl tert-Butyl Ether	5.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX

J.M.

Jeff Matsumoto
Project Manager

Surrogate Standard Recovery:	
1,2-Dichloroethane-d4 (76-114)	105%

Results pertain only to samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from Del Mar Analytical

Del Mar Analytical

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Method Blank

Extracted: Jun 15, 1998
Analyzed: Jun 15, 1998
Reported: Jun 16, 1998
Matrix: Water

PURGEABLES by GC/MS (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	5.0	N.D.
2-Butanone	10	N.D.
Carbon Disulfide	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	5.0	N.D.
Chloroform	2.0	N.D.
Chloromethane	5.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	2.0	N.D.
trans-1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis-1,3-Dichloropropene	2.0	N.D.
trans-1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	10	N.D.
4-Methyl-2-pentanone	5.0	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl acetate	5.0	N.D.
Vinyl chloride	5.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto J.M.
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1,2-Dichloroethane-d4 (76-114)	106%
Toluene-d8 (88-110)	102%
4-Bromofluorobenzene (86-115)	94%

Results pertain only to samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from Del Mar Analytical

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Method Blank

Extracted: Jun 15, 1998
Analyzed: Jun 15, 1998
Reported: Jun 16, 1998
Matrix: Water

MTBE (EPA 624)

Laboratory Description	Sample Result µg/L (ppb)
Method Blank	N.D.

Reporting Limit:	10

MTBE = Methyl tert-Butyl Ether

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX

J.M.

Jeff Matsumoto
Project Manager

Surrogate Standard Recovery:	
1,2-Dichloroethane-d4 (76-114).....	106%

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MS/MSD DATA REPORT

EPA METHOD 624
Matrix Water

DATE: 6/15/98

SAMPLE # PHF00641

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Vinyl Chloride	0	25	33	31	132%	124%	6.3%	128%
1,1-Dichloroethene	0	25	25	26	100%	104%	3.9%	102%
1,1-Dichloroethane	0	25	26	27	104%	108%	3.8%	106%
Chloroform	0	25	24	25	96%	100%	4.1%	98%
1,2-Dichloroethane	0	25	24	24	96%	96%	0.0%	96%
Benzene	0	25	24	24	96%	96%	0.0%	96%
Trichloroethene	0	25	23	23	92%	92%	0.0%	92%
Toluene	0	25	23	23	92%	92%	0.0%	92%
Tetrachoroethene	26.3	25	49	50	91%	95%	2.0%	93%
Chlorobenzene	0	25	22	22	88%	88%	0.0%	88%

Definition of Terms:

R1. . . . . Result of Sample Analysis

Sp. . . . . Spike Concentration Added to Sample

MS. . . . . Matrix Spike Result

MSD. . . . . Matrix Spike Duplicate Result

PR1. . . . . Percent Recovery of MS; ((MS-R1) / SP) X 100

PR2. . . . . Percent Recovery of MSD; ((MSD-R1) / SP) X 100

RPD. . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

QA/QC CRITERIA : All QA/QC was within acceptance limits.

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2465 W 12th St., Suite I, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-1338

CHAIN OF CUSTODY FORM

Client Name/Address:	Project/PO Number:
HSI GeoTrans	1017-101
Project Manager/Phone Number:	**Sampler:**
Matt Conway	P. Odenkirk

Sample Description	Sample Matrix	Container Type	#of Cont	Sampling Date/Time	Preservatives	Analysis Required: 8260 TMBE	Special Instructions
Trip Blank	AQ	VOA	1	———	HCL	X	
AVB 69-02			2	6.5.98 0900		X	
AVB 69-03				6.5.98 1300		X	
BB-1				6.5.98 1400		X	
IB20-P3	↓	↓	↓	6.5.98 1430	↓	X	

Relinquished By:	Date /Time:	Received by:	Date /Time:
[signature]	6.5.98/1530		
Relinquished By:	Date /Time:	Received by:	Date /Time:
Relinquished By:	Date /Time:	Received in Lab by:	Date /Time:
		[signature]	

Turnaround Time: (check)
same day ____ 72 hours ____
24 hours ____ 5 days X
48 hours ____ normal ____

Sample Integrity: (Check)
intact ____ on ice X

Note: Sample(s) will be disposed of after 30 days.

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AUG 0 5 REC'D

HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Client Project ID: J017-101

Report Number: PHG01193

Sampled:	Jul 20, 1998
Received:	Jul 20, 1998
Extracted:	Jul 29, 1998
Analyzed:	Jul 29, 1998
Reported:	Jul 30, 1998

CASE NARRATIVE

LABORATORY NUMBER	SAMPLE DESCRIPTION	SAMPLE MATRIX	EPA ANALYSES
PHG01193	Trip Blank	Water	624
PHG01194	B-2	Water	624
PHG01195	AVB-43	Water	624
PHG01196	CTC-MW3	Water	624
PHG01197	EB-P4	Water	624

SAMPLE RECEIPT: Samples were received intact, on ice, and with chain of custody documentation.

HOLDING TIMES: Holding times were met.

PRESERVATION: Samples requiring preservation were verified prior to sample analysis.

PROBLEMS ENCOUNTERED: No problems were encountered during sample analysis.

QA/QC CRITERIA: All QA/QC met acceptance criteria.

OBSERVATIONS: No significant observations were made.

SUBCONTRACTED: No analyses were subcontracted to an outside laboratory.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

RR

Robyn Rice
Project Manager

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Client Project ID: J017-101
Sample Descript: Water, Trip Blank
Lab Number: PHG01193

Sampled: Jul 20, 1998
Received: Jul 20, 1998
Extracted: Jul 29, 1998
Analyzed: Jul 29, 1998
Reported: Jul 30, 1998

PURGEABLES by GC/MS (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	5.0	N.D.
2-Butanone	10	N.D.
Carbon Disulfide	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	5.0	N.D.
Chloroform	2.0	N.D.
Chloromethane	5.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	2.0	N.D.
trans 1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis 1,3-Dichloropropene	2.0	N.D.
trans 1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	10	N.D.
4-Methyl-2-pentanone	5.0	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl acetate	5.0	N.D.
Vinyl chloride	5.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

R.R.
Robyn Rice
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1,2-Dichloroethane-d4 (76-114)	99%
Toluene-d8 (88-110)	94%
4-Bromofluorobenzene (86-115)	93%

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Client Project ID: J017-101

Sample Descript: Water, B-2
Lab Number: PHG01194

Sampled: Jul 20, 1998
Received: Jul 20, 1998
Extracted: Jul 29, 1998
Analyzed: Jul 29, 1998
Reported: Jul 30, 1998

PURGEABLES by GC/MS (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	5.0	N.D.
2-Butanone	10	N.D.
Carbon Disulfide	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	5.0	N.D.
Chloroform	2.0	N.D.
Chloromethane	5.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	2.0	N.D.
trans 1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis 1,3-Dichloropropene	2.0	N.D.
trans 1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	10	N.D.
4-Methyl-2-pentanone	5.0	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl acetate	5.0	N.D.
Vinyl chloride	5.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

R.R.
Robyn Rice
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1,2-Dichloroethane-d4 (76-114)	100%
Toluene-d8 (88-110)	94%
4-Bromofluorobenzene (86-115)	92%

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Client Project ID: J017-101
Sample Descript: Water, AVB-43
Lab Number: PHG01195

Sampled: Jul 20, 1998
Received: Jul 20, 1998
Extracted: Jul 29, 1998
Analyzed: Jul 29, 1998
Reported: Jul 30, 1998

PURGEABLES by GC/MS (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	5.0	N.D.
2-Butanone	10	N.D.
Carbon Disulfide	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	5.0	N.D.
Chloroform	2.0	N.D.
Chloromethane	5.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	2.0	N.D.
trans 1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis 1,3-Dichloropropene	2.0	N.D.
trans 1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	10	N.D.
4-Methyl-2-pentanone	5.0	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl acetate	5.0	N.D.
Vinyl chloride	5.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

R.R.
Robyn Rice
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1,2-Dichloroethane-d4 (76-114)	99%
Toluene-d8 (88-110)	94%
4-Bromofluorobenzene (86-115)	92%

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Client Project ID: J017-101
Sample Descript: Water, CTC-MW3
Lab Number: PHG01196

Sampled: Jul 20, 1998
Received: Jul 20, 1998
Extracted: Jul 29, 1998
Analyzed: Jul 29, 1998
Reported: Jul 30, 1998

PURGEABLES by GC/MS (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	5.0	N.D.
2-Butanone	10	N.D.
Carbon Disulfide	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	5.0	N.D.
Chloroform	**2.0**	**2.1**
Chloromethane	5.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	**2.0**	**4.5**
trans 1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis 1,3-Dichloropropene	2.0	N.D.
trans 1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	10	N.D.
4-Methyl-2-pentanone	5.0	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	**2.0**	**11**
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	**2.0**	**24**
Trichlorofluoromethane	5.0	N.D.
Vinyl acetate	5.0	N.D.
Vinyl chloride	5.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

R.R.
Robyn Rice
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1,2-Dichloroethane-d4 (76-114)	96%
Toluene-d8 (88-110)	94%
4-Bromofluorobenzene (86-115)	92%

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Client Project ID: J017-101
Sample Descript: Water, EB-P4
Lab Number: PHG01197

Sampled: Jul 20, 1998
Received: Jul 20, 1998
Extracted: Jul 29, 1998
Analyzed: Jul 29, 1998
Reported: Jul 30, 1998

PURGEABLES by GC/MS (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	**2.0**	**3.9**
Bromoform	2.0	N.D.
Bromomethane	5.0	N.D.
2-Butanone	10	N.D.
Carbon Disulfide	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	**2.0**	**2.2**
Chloroethane	5.0	N.D.
Chloroform	**2.0**	**6.5**
Chloromethane	5.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	2.0	N.D.
trans 1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis 1,3-Dichloropropene	2.0	N.D.
trans 1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	10	N.D.
4-Methyl-2-pentanone	5.0	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl acetate	5.0	N.D.
Vinyl chloride	5.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

R.R.
Robyn Rice
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1,2-Dichloroethane-d4 (76-114)	95%
Toluene-d8 (88-110)	93%
4-Bromofluorobenzene (86-115)	91%

Results pertain only to samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from Del Mar Analytical

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Client Project ID: J017-101
Sample Descript: Water, Trip Blank
Lab Number: PHG01193

Sampled: Jul 20, 1998
Received: Jul 20, 1998
Extracted: Jul 29, 1998
Analyzed: Jul 29, 1998
Reported: Jul 30, 1998

MTBE (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Methyl tert-Butyl Ether	5.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX

R.R.

Robyn Rice
Project Manager

Surrogate Standard Recovery:	
1,2-Dichloroethane-d4 (76-114)	99%

Results pertain only to samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from Del Mar Analytical.

Del Mar Analytical

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-340

HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Client Project ID: J017-101
Sample Descript: Water, B-2
Lab Number: PHG01194

Sampled: Jul 20, 1998
Received: Jul 20, 1998
Extracted: Jul 29, 1998
Analyzed: Jul 29, 1998
Reported: Jul 30, 1998

MTBE (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Methyl tert-Butyl Ether	5.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX

R.R.
Robyn Rice
Project Manager

Surrogate Standard Recovery:	
1,2-Dichloroethane-d4 (76-114)	100%

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Client Project ID: J017-101
Sample Descript: Water, AVB-43
Lab Number: PHG01195

Sampled: Jul 20, 1998
Received: Jul 20, 1998
Extracted: Jul 29, 1998
Analyzed: Jul 29, 1998
Reported: Jul 30, 1998

MTBE (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Methyl tert-Butyl Ether	5.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX

R.R.
Robyn Rice
Project Manager

Surrogate Standard Recovery:	
1,2-Dichloroethane-d4 (76-114)	99%

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Client Project ID: J017-101
Sample Descript: Water, CTC-MW3
Lab Number: PHG01196

Sampled: Jul 20, 1998
Received: Jul 20, 1998
Extracted: Jul 29, 1998
Analyzed: Jul 29, 1998
Reported: Jul 30, 1998

MTBE (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Methyl tert-Butyl Ether	5.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX

R.R.
Robyn Rice
Project Manager

Surrogate Standard Recovery:	
1,2-Dichloroethane-d4 (76-114)	96%

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Client Project ID: J017-101
Sample Descript: Water, EB-P4
Lab Number: PHG01197

Sampled: Jul 20, 1998
Received: Jul 20, 1998
Extracted: Jul 29, 1998
Analyzed: Jul 29, 1998
Reported: Jul 30, 1998

MTBE (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Methyl tert-Butyl Ether	5.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX

R.R.

Robyn Rice
Project Manager

Surrogate Standard Recovery:	
1,2-Dichloroethane-d4 (76-114)	95%

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Method Blank

Extracted: Jul 29, 1998
Analyzed: Jul 29, 1998
Reported: Jul 30, 1998
Matrix: Water

PURGEABLES by GC/MS (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	5.0	N.D.
2-Butanone	10	N.D.
Carbon Disulfide	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	5.0	N.D.
Chloroform	2.0	N.D.
Chloromethane	5.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	2.0	N.D.
trans-1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis-1,3-Dichloropropene	2.0	N.D.
trans-1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	10	N.D.
4-Methyl-2-pentanone	5.0	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl acetate	5.0	N.D.
Vinyl chloride	5.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

R.R.
Robyn Rice
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1,2-Dichloroethane-d4 (76-114)	102%
Toluene-d8 (88-110)	95%
4-Bromofluorobenzene (86-115)	94%

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Matt Conway

Method Blank

Extracted: Jul 29, 1998
Analyzed: Jul 29, 1998
Reported: Jul 30, 1998
Matrix: Water

MTBE (EPA 624)

Analyte	Reporting Limit µg/L (ppb)		Sample Result µg/L (ppb)
Methyl tert-Butyl Ether	5.0	.....	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX

R.R.
Robyn Rice
Project Manager

Surrogate Standard Recovery:	
1,2-Dichloroethane-d4 (76-114).....	102%

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MS/MSD DATA REPORT

EPA Method: 624
Matrix: Water
Instrument: GCMS

Date: 07/29/98
Sample #: PHG01194
Batch #: N/A

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	Acceptance Limits RPD	Acceptance Limits PR1/PR2
	ppb	ppb	ppb	ppb	%	%	%	%	%
Vinyl Chloride	0	25	29	26	116%	104%	11%	≤ 20	57-135%
1,1-Dichloroethene	0	25	26	29	104%	116%	11%	≤ 16	87-137%
1,1-Dichloroethane	0	25	23	25	92%	100%	8%	≤ 20	88-112%
Chloroform	0	25	23	24	92%	96%	4%	≤ 20	82-118%
1,2-Dichloroethane	0	25	22	24	88%	96%	9%	≤ 14	86-114%
Benzene	0	25	22	24	88%	96%	9%	≤ 13	86-112%
Trichloroethene	0.6	25	23	25	90%	98%	8%	≤ 15	85-120%
Toluene	0	25	22	24	88%	96%	9%	≤ 13	88-110%
Tetrachloroethene	0.5	25	23	25	90%	98%	8%	≤ 20	64-148%
Chlorobenzene	0	25	22	24	88%	96%	9%	≤ 23	75-121%

Definition of Terms

R1..... Result of Sample Analysis
Sp..... Spike Concentration added to sample
MS..... Matrix Spike Result
MSD..... Matrix Spike Duplicate Result
PR1..... Percent Recovery of MS; ((MS-R1)/SP) x 100
PR2..... Percent Recovery of MSD; ((MSD-R1)/SP) x 100
RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2) x 100
Acceptance Limits..... Statistically determined on an annual basis.

QA/QC Criteria..... All QA/QC was within acceptance limits.

Del Mar Analytical (AZ0426)

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CHAIN OF CUSTODY FORM

Client Name/Address:	Project/PO Number:
HSI GeoTrans	J017-101
Project Manager/Phone Number:	**Sampler:**
Matt Conway / 839-2800	P. Odenkirk

Sample Description	Sample Matrix	Container Type	# of Cont	Sampling Date/Time	Preservatives	Analysis Required: 624 + MTBE	Special Instructions
Trip Blank	AQ	VOA	1	—	HCL	X	
B-2			2	7.20.98 1300		X	
AVB-43				7.20.98 1430		X	
CTC-MW3				7.20.98 1640		X	
FB-P4	↓	↓	↓	7.20.98 1700	↓	X	

Relinquished By:	Date /Time:	Received by:	Date /Time:
[signature]	7.20.98 1750		
Relinquished By:	Date /Time:	Received by:	Date /Time:
Relinquished By:	Date /Time:	Received in Lab by: [signature]	Date /Time: 7/21/98 1700

Turnaround Time: (check)
same day ____ 72 hours ____
24 hours ____ 5 days ____
48 hours ____ normal X

Sample Integrity: (Check)
intact X on ice X

Note: Sample(s) will be disposed of after 30 days.

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Terranext
9830 S. 51st St. Ste. A127
Phoenix, AZ 85044
Attention: Brad Bingham

Client Project ID: 03103004

Report Number: PHF02127

JUL 22 1998

TERRANEXT

Sampled: Jun 30, 1998
Received: Jun 30, 1998
Extracted: Jul 7-14, 1998
Analyzed: Jul 7-14, 1998
Reported: Jul 7-17, 1998

CASE NARRATIVE

LABORATORY NUMBER	SAMPLE DESCRIPTION	SAMPLE MATRIX	EPA ANALYSES
PHF02127	MW-1	Water	418.1, 601 & 602
PHF02128	Trip Blank	Water	601 & 602

SAMPLE RECEIPT: Samples were received intact, on ice, and with chain of custody documentation.

HOLDING TIMES: Holding times were met.

PRESERVATION: Samples requiring preservation were verified prior to sample analysis.

PROBLEMS ENCOUNTERED: No problems were encountered during sample analysis.

QA/QC CRITERIA: All QA/QC met acceptance criteria.

OBSERVATIONS: No significant observations were made.

SUBCONTRACTED: No analyses were subcontracted to an outside laboratory.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Ken Baker
Project Manager

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-3401

Terranext	Client Project ID: 03103004	Sampled:	Jun 30, 1998
9830 S. 51st St. Ste. A127		Received:	Jun 30, 1998
Phoenix, AZ 85044	Analysis Method: EPA 418.1 (I.R. with clean-up)	Extracted:	Jul 7, 1998
Attention: Brad Bingham	First Sample #: PHF02127	Analyzed:	Jul 7, 1998
		Reported:	Jul 7, 1998

TOTAL RECOVERABLE PETROLEUM HYDROCARBONS (EPA 418.1)

Laboratory Number	Sample Description	Petroleum Hydrocarbons
	Water	mg/L (ppm)
PHF02127	MW-1	N.D.

Reporting Limit:	**1.0**

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

K.B.

Ken Baker
Project Manager

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-3401

Terranext	Client Project ID: 03103004	Sampled: Jun 30, 1998
9830 S. 51st St. Ste. A127		Received: Jun 30, 1998
Phoenix, AZ 85044	Sample Descript: Water, MW-1	Extracted: Jul 14, 1998
Attention: Brad Bingham	Lab Number: PHF02127	Analyzed: Jul 14, 1998
		Reported: Jul 17, 1998

PURGEABLE HALOCARBONS AND AROMATICS (EPA 601/602)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Bromodichloromethane	1.0	N.D.
Bromoform	1.0	N.D.
Bromomethane	2.0	N.D.
Carbon tetrachloride	1.0	N.D.
Chlorobenzene	1.0	N.D.
Chloroethane	5.0	N.D.
Chloroform	1.0	N.D.
Chloromethane	2.0	N.D.
Dibromochloromethane	1.0	N.D.
1,2-Dichlorobenzene	2.0	N.D.
1,3-Dichlorobenzene	2.0	N.D.
1,4-Dichlorobenzene	2.0	N.D.
1,1-Dichloroethane	**1.0**	**8.6**
1,2-Dichloroethane	1.0	N.D.
1,1-Dichloroethene	**1.0**	**20**
cis-1,2-Dichloroethene	**1.0**	**10**
trans-1,2-Dichloroethene	1.0	N.D.
1,2-Dichloropropane	1.0	N.D.
cis-1,3-Dichloropropene	1.0	N.D.
trans-1,3-Dichloropropene	1.0	N.D.
Methylene chloride	20	N.D.
1,1,2,2-Tetrachloroethane	1.0	N.D.
Tetrachloroethene	**1.0**	**2.4**
1,1,1-Trichloroethane	1.0	N.D.
1,1,2-Trichloroethane	1.0	N.D.
Trichloroethene	**1.0**	**39**
Trichlorofluoromethane	1.0	N.D.
Vinyl chloride	2.0	N.D.
Benzene	1.0	N.D.
Ethylbenzene	1.0	N.D.
Toluene	1.0	N.D.
Total Xylenes	3.0	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 2.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

K.B.

Ken Baker
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1-Chloro-3-fluorobenzene(80-120)..	98%
aaa-Trifluorotoluene(80-120).....	103%

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-3401

Terranext	Client Project ID: 03103004	Sampled: Jun 30, 1998
9830 S. 51st St. Ste. A127		Received: Jun 30, 1998
Phoenix, AZ 85044	Sample Descript: Water, Trip Blank	Extracted: Jul 14, 1998
Attention: Brad Bingham	Lab Number: PHF02128	Analyzed: Jul 14, 1998
		Reported: Jul 17, 1998

PURGEABLE HALOCARBONS AND AROMATICS (EPA 601/602)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Bromodichloromethane	0.50	N.D.
Bromoform	0.50	N.D.
Bromomethane	1.0	N.D.
Carbon tetrachloride	0.50	N.D.
Chlorobenzene	0.50	N.D.
Chloroethane	2.5	N.D.
Chloroform	0.50	N.D.
Chloromethane	1.0	N.D.
Dibromochloromethane	0.50	N.D.
1,2-Dichlorobenzene	1.0	N.D.
1,3-Dichlorobenzene	1.0	N.D.
1,4-Dichlorobenzene	1.0	N.D.
1,1-Dichloroethane	0.50	N.D.
1,2-Dichloroethane	0.50	N.D.
1,1-Dichloroethene	0.50	N.D.
cis-1,2-Dichloroethene	0.50	N.D.
trans-1,2-Dichloroethene	0.50	N.D.
1,2-Dichloropropane	0.50	N.D.
cis-1,3-Dichloropropene	0.50	N.D.
trans-1,3-Dichloropropene	0.50	N.D.
Methylene chloride	10	N.D.
1,1,2,2-Tetrachloroethane	0.50	N.D.
Tetrachloroethene	0.50	N.D.
1,1,1-Trichloroethane	0.50	N.D.
1,1,2-Trichloroethane	0.50	N.D.
Trichloroethene	0.50	N.D.
Trichlorofluoromethane	0.50	N.D.
Vinyl chloride	1.0	N.D.
Benzene	0.50	N.D.
Ethylbenzene	0.50	N.D.
Toluene	0.50	N.D.
Total Xylenes	1.5	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

K.B.

Ken Baker
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1-Chloro-3-fluorobenzene(80-120)..	91%
aaa-Trifluorotoluene(80-120).....	92%

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-3401

Terranext
9830 S. 51st St. Ste. A127
Phoenix, AZ 85044
Attention: Brad Bingham

Method Blank

Extracted: Jul 7, 1998
Analyzed: Jul 7, 1998
Reported: Jul 7, 1998
Matrix: Water

TOTAL RECOVERABLE PETROLEUM HYDROCARBONS (EPA 418.1)

Laboratory Description	Petroleum Hydrocarbons mg/L (ppm)
Method Blank	N.D.

Reporting Limit:	**1.0**

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

K.B.
Ken Baker
Project Manager

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Terranext
9830 S. 51st St. Ste. A127
Phoenix, AZ 85044
Attention: Brad Bingham

Method Blank

Extracted: Jul 13, 1998
Analyzed: Jul 13, 1998
Reported: Jul 17, 1998
Matrix: Water

PURGEABLE HALOCARBONS AND AROMATICS (EPA 601/602)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Bromodichloromethane	0.50	N.D.
Bromoform	0.50	N.D.
Bromomethane	1.0	N.D.
Carbon tetrachloride	0.50	N.D.
Chlorobenzene	0.50	N.D.
Chloroethane	2.5	N.D.
Chloroform	0.50	N.D.
Chloromethane	1.0	N.D.
Dibromochloromethane	0.50	N.D.
1,2-Dichlorobenzene	1.0	N.D.
1,3-Dichlorobenzene	1.0	N.D.
1,4-Dichlorobenzene	1.0	N.D.
1,1-Dichloroethane	0.50	N.D.
1,2-Dichloroethane	0.50	N.D.
1,1-Dichloroethene	0.50	N.D.
cis-1,2-Dichloroethene	0.50	N.D.
trans-1,2-Dichloroethene	0.50	N.D.
1,2-Dichloropropane	0.50	N.D.
cis-1,3-Dichloropropene	0.50	N.D.
trans-1,3-Dichloropropene	0.50	N.D.
Methylene chloride	10	N.D.
1,1,2,2-Tetrachloroethane	0.50	N.D.
Tetrachloroethene	0.50	N.D.
1,1,1-Trichloroethane	0.50	N.D.
1,1,2-Trichloroethane	0.50	N.D.
Trichloroethene	0.50	N.D.
Trichlorofluoromethane	0.50	N.D.
Vinyl chloride	1.0	N.D.
Benzene	0.50	N.D.
Ethylbenzene	0.50	N.D.
Toluene	0.50	N.D.
Total Xylenes	1.5	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

K.B.

Ken Baker
Project Manager

Surrogate Standard Recoveries (Accpet. Limits):	
1-Chloro-3-fluorobenzene(80-120)..	92%
aaa-Trifluorotoluene(80-120).....	99%

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-3401

Terranext
9830 S. 51st St. Ste. A127
Phoenix, AZ 85044
Attention: Brad Bingham

Method Blank

Extracted: Jul 14, 1998
Analyzed: Jul 14, 1998
Reported: Jul 17, 1998
Matrix: Water

PURGEABLE HALOCARBONS AND AROMATICS (EPA 601/602)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Bromodichloromethane	0.50	N.D.
Bromoform	0.50	N.D.
Bromomethane	1.0	N.D.
Carbon tetrachloride	0.50	N.D.
Chlorobenzene	0.50	N.D.
Chloroethane	2.5	N.D.
Chloroform	0.50	N.D.
Chloromethane	1.0	N.D.
Dibromochloromethane	0.50	N.D.
1,2-Dichlorobenzene	1.0	N.D.
1,3-Dichlorobenzene	1.0	N.D.
1,4-Dichlorobenzene	1.0	N.D.
1,1-Dichloroethane	0.50	N.D.
1,2-Dichloroethane	0.50	N.D.
1,1-Dichloroethene	0.50	N.D.
cis-1,2-Dichloroethene	0.50	N.D.
trans-1,2-Dichloroethene	0.50	N.D.
1,2-Dichloropropane	0.50	N.D.
cis-1,3-Dichloropropene	0.50	N.D.
trans-1,3-Dichloropropene	0.50	N.D.
Methylene chloride	10	N.D.
1,1,2,2-Tetrachloroethane	0.50	N.D.
Tetrachloroethene	0.50	N.D.
1,1,1-Trichloroethane	0.50	N.D.
1,1,2-Trichloroethane	0.50	N.D.
Trichloroethene	0.50	N.D.
Trichlorofluoromethane	0.50	N.D.
Vinyl chloride	1.0	N.D.
Benzene	0.50	N.D.
Ethylbenzene	0.50	N.D.
Toluene	0.50	N.D.
Total Xylenes	1.5	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

K.B.
Ken Baker
Project Manager

Surrogate Standard Recoveries (Accpet. Limits):	
1-Chloro-3-fluorobenzene(80-120)..	82%
aaa-Trifluorotoluene(80-120).....	94%

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-3401

MS/MSD DATA REPORT

EPA Method: 418.1
Matrix: Water
Instrument: IR

Date: 07/07/98
Sample #: PHG00096
Batch #: N/A

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	Acceptance Limits RPD	Acceptance Limits PR1/PR2
	ppm	ppm	ppm	ppm	%	%	%	%	%
Hydrocarbons	0	6.0	6.60	6.10	110%	102%	8%	≤ 20	80-120%

Definition of Terms

R1..... Result of Sample Analysis
Sp..... Spike Concentration added to sample
MS..... Matrix Spike Result
MSD..... Matrix Spike Duplicate Result
PR1..... Percent Recovery of MS; ((MS-R1)/SP) x 100
PR2..... Percent Recovery of MSD; ((MSD-R1)/SP) x 100
RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2) x 100
Acceptance Limits..... Based on Method Acceptance Limits

QA/QC Criteria..... All QA/QC was within acceptance limits.

Del Mar Analytical (AZ0426)

Del Mar Analytical

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MS/MSD DATA REPORT

EPA Method 601/602

Matrix: Water

Date: 07/13/98

Sample #: PHG00040

Batch #: HG135A1W

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	Mean PR	Acceptance Limits	
	ppb	ppb	ppb	ppb	%	%	%	%	RPD	Mean PR
Benzene	0	5.0	4.5	4.9	90	99	10	94	≤30	39 - 150
Chloroform	14	5.0	19	18	96	86	2.8	91	≤30	49 - 133
1,1-Dichloroethane	0	5.0	6.0	6.7	120	133	11	126	≤30	47 - 132
1,2-Dichloroethane	0	5.0	5.1	5.3	101	106	4.8	104	≤30	51 - 147
1,1-Dichloroethene	0	5.0	5.7	6.4	115	128	11	121	≤30	28 - 167
Tetrachloroethene	0	5.0	5.3	5.7	105	114	8.1	110	≤30	26 - 162
Toluene	0.19	5.0	4.6	5.0	88	96	9.1	92	≤30	46 - 148
Trichloroethene	0	5.0	4.1	4.5	83	90	8.4	86	≤30	35 - 146

Definition of Terms

R1..... Result of Sample Analysis
Sp..... Spike Concentration added to sample
MS..... Matrix Spike Result
MSD..... Matrix Spike Duplicate Result
PR1..... Percent Recovery of MS; ((MS-R1)/SP) X 100
PR2..... Percent Recovery of MSD; ((MSD-R1)/SP) X 100
RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2) X 100
Mean PR..... Mean Percent Recovery
Acceptance Limits..... Determined by EPA Method 601/602

Del Mar Analytical

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MS/MSD DATA REPORT

EPA Method 601/602

Matrix: Water

Date: 07/14/98

Sample #: PHG00099

Batch #: HG14121W

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	Mean PR	Acceptance Limits	
	ppb	ppb	ppb	ppb	%	%	%	%	RPD	Mean PR
Benzene	0	5.0	5.0	5.0	99	99	0.21	99	<30	39 - 150
Chloroform	0	5.0	5.0	5.2	100	105	4.5	102	<30	49 - 133
1,1-Dichloroethane	0	5.0	4.9	4.9	98	97	0.98	98	<30	47 - 132
1,2-Dichloroethane	0	5.0	4.8	4.7	96	95	1.0	95	<30	51 - 147
1,1-Dichloroethene	0	5.0	4.8	4.8	97	96	0.24	96	<30	28 - 167
Tetrachloroethene	0	5.0	4.8	4.8	97	96	0.86	96	<30	26 - 162
Toluene	0	5.0	5.3	5.3	106	106	0.70	106	<30	46 - 148
Trichloroethene	0	5.0	4.9	4.8	98	95	2.6	96	<30	35 - 146

Definition of Terms

R1..... Result of Sample Analysis
Sp..... Spike Concentration added to sample
MS..... Matrix Spike Result
MSD..... Matrix Spike Duplicate Result
PR1..... Percent Recovery of MS; ((MS-R1)/SP) X 100
PR2..... Percent Recovery of MSD; ((MSD-R1)/SP) X 100
RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2) X 100
Mean PR..... Mean Percent Recovery
Acceptance Limits..... Determined by EPA Method 601/602

Del Mar Analytical
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CHAIN OF CUSTODY FORM

Client Name/Address:	Project/PO Number:
BEHK / Terranext 9830 South 51st St, A-127 Phoenix, AZ 85044	03103004
Project Manager/Phone Number:	**Sampler:**
Brad Bingham 496-4100	S. Sutherland

Sample Description	Sample Matrix	Container Type	#of Cont	Sampling Date/Time	Preservatives	Analysis Required: TPH 418.1	Analysis Required: EPA 601/602	Special Instructions
MW-1	AQM	40ml VOA	2	6/30/98/1300	HCl		X	
MW-1	AQM	1L Ambers	2	"	H_2SO_4	X		
Trip Blank	AQM		1				X	

Relinquished By:	Date /Time:	Received by:	Date /Time:	Turnaround Time: (check)	
	6/30/98 1300hrs			same day ____	72 hours ____
Relinquished By:	Date /Time:	Received by:	Date /Time:	24 hours ____	5 days ____
				48 hours ____	normal ✓
Relinquished By:	Date /Time:	Received in Lab by:	Date /Time:	Sample Integrity: (Check)	
		[illegible]	6/30/98 1300hrs	intact X	on ice X

Note: Sample(s) will be disposed of after 30 days.

Del Mar Analytical

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JUL 2 9 1998
TERRANEXT

CORRECTIVE ACTION REPORT

Department:	GC Volatiles	Method:	601
Date:	7/13/98	Matrix:	Water

Identification and Definition of Problem:

The daily calibration standard recovery for Bromomethane recovered below method acceptance limits.

Determination of the Cause of the Problem:

No determination of the cause was evident.

Corrective Action:

Each sample was reanalyzed on a separate GC. Each reanalysis had acceptable LCS recoveries and there was no detection of this compound in any associated sample. Because the reanalyses were out of holding time, the ND results from the initial run should be considered biased low for Bromomethane.

June S. Baker: June S. Baker Date: 7/23/98
Quality Assurance Manager

Columbia Analytical Services INC.
An Employee-Owned Company

September 12, 1998

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SEP 14 1998
ENVIRONMENTAL TECHNOLOGY

Pat Cordova
Environmental Technology
2541 E. University Dr.
Phoenix, AZ 85034

Re: 19 Ave CAIJET / Project #1633WP

Dear Pat:

Enclosed are the results of the samples submitted to our laboratory on August 21, 1998. For your reference, these analyses have been assigned our service request number X9801957.

All analyses were performed according to our laboratory's quality assurance program. All results are intended to be considered in their entirety, and Columbia Analytical Services, Inc. (CAS) is not responsible for use of less than the complete report. Results apply only to the samples analyzed. Columbia Analytical Services, Inc. is certified for environmental analyses by the Arizona Department of Health Services (Certificate #AZ0497).

Please call if you have any questions. My extension is 15.

Respectfully submitted,

Columbia Analytical Services, Inc.

Greg Jordan
Lab Manager

GRJ/lm

3902 East University Drive, Suite D2 ▪ Phoenix, AZ 85034 ▪ (602) 437-2001 ▪ Fax (602) 437-5308

COLUMBIA ANALYTICAL SERVICES, INC.

Client:	Environmental Technology	**Service Request No.:**	X9801957
Project:	19 Ave CAIJET / #1633WP	**Date Received:**	8/21/98
Sample Matrix:	Water		

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CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of Columbia Analytical Services, Inc. (CAS). This report contains analytical results for sample(s) designated for Tier II data deliverables. When appropriate to the method, method blank results have been reported with each analytical test. Surrogate recoveries have been reported for all applicable organic analyses. Additional quality control analyses reported herein include: Matrix/Duplicate Matrix Spike (MS/DMS).

All EPA recommended holding times have been met for analyses in this sample delivery group.

Approved by _____ Date 9-14-98

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Environmental Technology	**Service Request:**	X9801957
Project:	19 Ave CAIJET/#1633WP	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA

Halogenated and Aromatic Volatile Organic Compounds

Sample Name:	Method Blank	Units:	ug/L (ppb)
Lab Code:	X980825-MB	Basis:	NA
Test Notes:			

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Dichlorodifluoromethane (CFC 12)	EPA 5030	8021A	2	1	NA	8/25/98	ND	
Chloromethane	EPA 5030	8021A	2	1	NA	8/25/98	ND	
Vinyl Chloride	EPA 5030	8021A	0.5	1	NA	8/25/98	ND	
Bromomethane	EPA 5030	8021A	2	1	NA	8/25/98	ND	
Chloroethane	EPA 5030	8021A	2	1	NA	8/25/98	ND	
Trichlorofluoromethane (CFC 11)	EPA 5030	8021A	2	1	NA	8/25/98	ND	
1,1-Dichloroethene	EPA 5030	8021A	0.5	1	NA	8/25/98	ND	
Methylene Chloride	EPA 5030	8021A	2	1	NA	8/25/98	ND	
trans-1,2-Dichloroethene	EPA 5030	8021A	0.5	1	NA	8/25/98	ND	
cis-1,2-Dichloroethene	EPA 5030	8021A	0.5	1	NA	8/25/98	ND	
1,1-Dichloroethane	EPA 5030	8021A	0.5	1	NA	8/25/98	ND	
Chloroform	EPA 5030	8021A	0.5	1	NA	8/25/98	ND	
1,1,1-Trichloroethane (TCA)	EPA 5030	8021A	0.5	1	NA	8/25/98	ND	
Carbon Tetrachloride	EPA 5030	8021A	0.5	1	NA	8/25/98	ND	
Benzene	EPA 5030	8021A	0.5	1	NA	8/25/98	ND	
1,2-Dichloroethane	EPA 5030	8021A	0.5	1	NA	8/25/98	ND	
Trichloroethene (TCE)	EPA 5030	8021A	0.5	1	NA	8/25/98	ND	
1,2-Dichloropropane	EPA 5030	8021A	0.5	1	NA	8/25/98	ND	
Bromodichloromethane	EPA 5030	8021A	0.5	1	NA	8/25/98	ND	
Toluene	EPA 5030	8021A	0.5	1	NA	8/25/98	ND	
trans-1,3-Dichloropropene	EPA 5030	8021A	0.5	1	NA	8/25/98	ND	
cis-1,3-Dichloropropene	EPA 5030	8021A	0.5	1	NA	8/25/98	ND	
1,1,2-Trichloroethane	EPA 5030	8021A	0.5	1	NA	8/25/98	ND	
Tetrachloroethene (PCE)	EPA 5030	8021A	0.5	1	NA	8/25/98	ND	
Dibromochloromethane	EPA 5030	8021A	0.5	1	NA	8/25/98	ND	
Chlorobenzene	EPA 5030	8021A	0.5	1	NA	8/25/98	ND	
Ethylbenzene	EPA 5030	8021A	0.5	1	NA	8/25/98	ND	
Total Xylenes	EPA 5030	8021A	0.5	1	NA	8/25/98	ND	
Bromoform	EPA 5030	8021A	0.5	1	NA	8/25/98	ND	
1,1,2,2-Tetrachloroethane	EPA 5030	8021A	0.5	1	NA	8/25/98	ND	
1,3-Dichlorobenzene	EPA 5030	8021A	0.5	1	NA	8/25/98	ND	
1,4-Dichlorobenzene	EPA 5030	8021A	0.5	1	NA	8/25/98	ND	
1,2-Dichlorobenzene	EPA 5030	8021A	0.5	1	NA	8/25/98	ND	

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Approved By: _____ Date: 9-14-98

1S44/021397p

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Environmental Technology	**Service Request:**	X9801957
Project:	19 Ave CAIJET/#1633WP	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA

Halogenated and Aromatic Volatile Organic Compounds

Sample Name:	Method Blank	Units:	ug/L (ppb)
Lab Code:	X980826-MB	Basis:	NA
Test Notes:			

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Dichlorodifluoromethane (CFC 12)	EPA 5030	8021A	2	1	NA	8/26/98	ND	
Chloromethane	EPA 5030	8021A	2	1	NA	8/26/98	ND	
Vinyl Chloride	EPA 5030	8021A	0.5	1	NA	8/26/98	ND	
Bromomethane	EPA 5030	8021A	2	1	NA	8/26/98	ND	
Chloroethane	EPA 5030	8021A	2	1	NA	8/26/98	ND	
Trichlorofluoromethane (CFC 11)	EPA 5030	8021A	2	1	NA	8/26/98	ND	
1,1-Dichloroethene	EPA 5030	8021A	0.5	1	NA	8/26/98	ND	
Methylene Chloride	EPA 5030	8021A	2	1	NA	8/26/98	ND	
trans-1,2-Dichloroethene	EPA 5030	8021A	0.5	1	NA	8/26/98	ND	
cis-1,2-Dichloroethene	EPA 5030	8021A	0.5	1	NA	8/26/98	ND	
1,1-Dichloroethane	EPA 5030	8021A	0.5	1	NA	8/26/98	ND	
Chloroform	EPA 5030	8021A	0.5	1	NA	8/26/98	ND	
1,1,1-Trichloroethane (TCA)	EPA 5030	8021A	0.5	1	NA	8/26/98	ND	
Carbon Tetrachloride	EPA 5030	8021A	0.5	1	NA	8/26/98	ND	
Benzene	EPA 5030	8021A	0.5	1	NA	8/26/98	ND	
1,2-Dichloroethane	EPA 5030	8021A	0.5	1	NA	8/26/98	ND	
Trichloroethene (TCE)	EPA 5030	8021A	0.5	1	NA	8/26/98	ND	
1,2-Dichloropropane	EPA 5030	8021A	0.5	1	NA	8/26/98	ND	
Bromodichloromethane	EPA 5030	8021A	0.5	1	NA	8/26/98	ND	
Toluene	EPA 5030	8021A	0.5	1	NA	8/26/98	ND	
trans-1,3-Dichloropropene	EPA 5030	8021A	0.5	1	NA	8/26/98	ND	
cis-1,3-Dichloropropene	EPA 5030	8021A	0.5	1	NA	8/26/98	ND	
1,1,2-Trichloroethane	EPA 5030	8021A	0.5	1	NA	8/26/98	ND	
Tetrachloroethene (PCE)	EPA 5030	8021A	0.5	1	NA	8/26/98	ND	
Dibromochloromethane	EPA 5030	8021A	0.5	1	NA	8/26/98	ND	
Chlorobenzene	EPA 5030	8021A	0.5	1	NA	8/26/98	ND	
Ethylbenzene	EPA 5030	8021A	0.5	1	NA	8/26/98	ND	
Total Xylenes	EPA 5030	8021A	0.5	1	NA	8/26/98	ND	
Bromoform	EPA 5030	8021A	0.5	1	NA	8/26/98	ND	
1,1,2,2-Tetrachloroethane	EPA 5030	8021A	0.5	1	NA	8/26/98	ND	
1,3-Dichlorobenzene	EPA 5030	8021A	0.5	1	NA	8/26/98	ND	
1,4-Dichlorobenzene	EPA 5030	8021A	0.5	1	NA	8/26/98	ND	
1,2-Dichlorobenzene	EPA 5030	8021A	0.5	1	NA	8/26/98	ND	

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Approved By: _____ Date: 9-14-98

IS4/021397p

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Environmental Technology	**Service Request:**	X9801957
Project:	19 Ave CAIJET/#1633WP	**Date Collected:**	8/21/98
Sample Matrix:	Water	**Date Received:**	8/21/98

Halogenated and Aromatic Volatile Organic Compounds

Sample Name:	PZ-1	Units:	ug/L (ppb)
Lab Code:	X9801957-001	Basis:	NA
Test Notes:			

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Dichlorodifluoromethane (CFC 12)	EPA 5030	8021A	2	1	NA	8/25/98	ND	
Chloromethane	EPA 5030	8021A	2	1	NA	8/25/98	ND	
Vinyl Chloride	EPA 5030	8021A	0.5	1	NA	8/25/98	ND	
Bromomethane	EPA 5030	8021A	2	1	NA	8/25/98	ND	
Chloroethane	EPA 5030	8021A	2	1	NA	8/25/98	ND	
Trichlorofluoromethane (CFC 11)	EPA 5030	8021A	2	1	NA	8/25/98	ND	
1,1-Dichloroethene	EPA 5030	8021A	0.5	1	NA	8/25/98	ND	
Methylene Chloride	EPA 5030	8021A	2	1	NA	8/25/98	ND	
trans-1,2-Dichloroethene	EPA 5030	8021A	0.5	1	NA	8/25/98	ND	
cis-1,2-Dichloroethene	EPA 5030	8021A	0.5	1	NA	8/25/98	ND	
1,1-Dichloroethane	EPA 5030	8021A	0.5	1	NA	8/25/98	ND	
Chloroform	EPA 5030	8021A	0.5	1	NA	8/25/98	ND	
1,1,1-Trichloroethane (TCA)	EPA 5030	8021A	0.5	1	NA	8/25/98	ND	
Carbon Tetrachloride	EPA 5030	8021A	0.5	1	NA	8/25/98	ND	
Benzene	EPA 5030	8021A	0.5	1	NA	8/25/98	ND	
1,2-Dichloroethane	EPA 5030	8021A	0.5	1	NA	8/25/98	ND	
Trichloroethene (TCE)	EPA 5030	8021A	0.5	1	NA	8/25/98	ND	
1,2-Dichloropropane	EPA 5030	8021A	0.5	1	NA	8/25/98	ND	
Bromodichloromethane	EPA 5030	8021A	0.5	1	NA	8/25/98	ND	
Toluene	EPA 5030	8021A	0.5	1	NA	8/25/98	ND	
trans-1,3-Dichloropropene	EPA 5030	8021A	0.5	1	NA	8/25/98	ND	
cis-1,3-Dichloropropene	EPA 5030	8021A	0.5	1	NA	8/25/98	ND	
1,1,2-Trichloroethane	EPA 5030	8021A	0.5	1	NA	8/25/98	ND	
Tetrachloroethene (PCE)	EPA 5030	8021A	0.5	10	NA	8/26/98	220	M
Dibromochloromethane	EPA 5030	8021A	0.5	1	NA	8/25/98	ND	
Chlorobenzene	EPA 5030	8021A	0.5	1	NA	8/25/98	ND	
Ethylbenzene	EPA 5030	8021A	0.5	1	NA	8/25/98	ND	
Total Xylenes	EPA 5030	8021A	0.5	1	NA	8/25/98	ND	
Bromoform	EPA 5030	8021A	0.5	1	NA	8/25/98	ND	
1,1,2,2-Tetrachloroethane	EPA 5030	8021A	0.5	1	NA	8/25/98	ND	
1,3-Dichlorobenzene	EPA 5030	8021A	0.5	1	NA	8/25/98	ND	
1,4-Dichlorobenzene	EPA 5030	8021A	0.5	1	NA	8/25/98	ND	
1,2-Dichlorobenzene	EPA 5030	8021A	0.5	1	NA	8/25/98	ND	

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ENVIRONMENTAL TECHNOLOGY

M Result was confirmed quantitatively, using GC/MS techniques.

Approved By: Fred Jonkin Date: 9-14-98

1S44/021397p

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Environmental Technology	**Service Request:**	X9801957
Project:	19 Ave CAIJET/#1633WP	**Date Collected:**	8/21/98
Sample Matrix:	Water	**Date Received:**	8/21/98

Halogenated and Aromatic Volatile Organic Compounds

Sample Name:	MW-22	Units:	ug/L (ppb)
Lab Code:	X9801957-002	Basis:	NA
Test Notes:			

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Dichlorodifluoromethane (CFC 12)	EPA 5030	8021A	2	1	NA	8/25/98	ND	
Chloromethane	EPA 5030	8021A	2	1	NA	8/25/98	ND	
Vinyl Chloride	EPA 5030	8021A	0.5	1	NA	8/25/98	ND	
Bromomethane	EPA 5030	8021A	2	1	NA	8/25/98	ND	
Chloroethane	EPA 5030	8021A	2	1	NA	8/25/98	ND	
Trichlorofluoromethane (CFC 11)	EPA 5030	8021A	2	1	NA	8/25/98	ND	
1,1-Dichloroethene	EPA 5030	8021A	0.5	1	NA	8/25/98	ND	
Methylene Chloride	EPA 5030	8021A	2	1	NA	8/25/98	ND	
trans-1,2-Dichloroethene	EPA 5030	8021A	0.5	1	NA	8/25/98	ND	
cis-1,2-Dichloroethene	EPA 5030	8021A	0.5	1	NA	8/25/98	ND	
1,1-Dichloroethane	EPA 5030	8021A	0.5	1	NA	8/25/98	ND	
Chloroform	EPA 5030	8021A	0.5	1	NA	8/25/98	ND	
1,1,1-Trichloroethane (TCA)	EPA 5030	8021A	0.5	1	NA	8/25/98	ND	
Carbon Tetrachloride	EPA 5030	8021A	0.5	1	NA	8/25/98	ND	
Benzene	EPA 5030	8021A	0.5	1	NA	8/25/98	ND	
1,2-Dichloroethane	EPA 5030	8021A	0.5	1	NA	8/25/98	ND	
Trichloroethene (TCE)	EPA 5030	8021A	0.5	1	NA	8/25/98	ND	
1,2-Dichloropropane	EPA 5030	8021A	0.5	1	NA	8/25/98	ND	
Bromodichloromethane	EPA 5030	8021A	0.5	1	NA	8/25/98	ND	
Toluene	EPA 5030	8021A	0.5	1	NA	8/25/98	ND	
trans-1,3-Dichloropropene	EPA 5030	8021A	0.5	1	NA	8/25/98	ND	
cis-1,3-Dichloropropene	EPA 5030	8021A	0.5	1	NA	8/25/98	ND	
1,1,2-Trichloroethane	EPA 5030	8021A	0.5	1	NA	8/25/98	ND	
Tetrachloroethene (PCE)	EPA 5030	8021A	0.5	10	NA	8/26/98	210	
Dibromochloromethane	EPA 5030	8021A	0.5	1	NA	8/25/98	ND	
Chlorobenzene	EPA 5030	8021A	0.5	1	NA	8/25/98	ND	
Ethylbenzene	EPA 5030	8021A	0.5	1	NA	8/25/98	ND	
Total Xylenes	EPA 5030	8021A	0.5	1	NA	8/25/98	ND	
Bromoform	EPA 5030	8021A	0.5	1	NA	8/25/98	ND	
1,1,2,2-Tetrachloroethane	EPA 5030	8021A	0.5	1	NA	8/25/98	ND	
1,3-Dichlorobenzene	EPA 5030	8021A	0.5	1	NA	8/25/98	ND	
1,4-Dichlorobenzene	EPA 5030	8021A	0.5	1	NA	8/25/98	ND	
1,2-Dichlorobenzene	EPA 5030	8021A	0.5	1	NA	8/25/98	ND	

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Approved By: _____ Date: 9-14-98

1S44/021397p

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	Environmental Technology	**Service Request:**	X9801957
Project:	19 Ave CAIJET/#1633WP	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
		Date Extracted:	NA
		Date Analyzed:	NA

Surrogate Recovery Summary
Halogenated and Aromatic Volatile Organic Compounds

Prep Method:	EPA 5030	Units:	PERCENT
Analysis Method:	8021A	Basis:	NA

Sample Name	Lab Code	Test Notes	Percent Recovery	
			1-Chloro-3-fluorobenzene	Fluorobenzene
PZ-1	X9801957-001		112	104
MW-22	X9801957-002		115	96
Method Blank	X980825-MB		103	97
Method Blank	X980826-MB		110	101
Batch QC	X9801958-001MS		114	100
Batch QC	X9801958-001DMS		113	101

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CAS Acceptance Limits:	70-130	70-130

Approved By: Jay Jonkin Date: 9-14-98

SUR2/061197p

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	Environmental Technology	**Service Request:**	X9801957
Project:	19 Ave CAIJET/#1633WP	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
		Date Extracted:	NA
		Date Analyzed:	8/26/98

Matrix Spike/Duplicate Matrix Spike Summary
Halogenated and Aromatic Volatile Organic Compounds

Sample Name:	Batch QC	Units:	ug/L (ppb)
Lab Code:	X9801958-001MS, X9801958-001DMS	Basis:	NA
Test Notes:			

Analyte	Prep Method	Analysis Method	MRL	Spike Level MS	Spike Level DMS	Sample Result	Spike Result MS	Spike Result DMS	Percent Recovery MS	Percent Recovery DMS	CAS Acceptance Limits	Relative Percent Difference	Result Notes
1,1-Dichloroethene	EPA 5030	8021A	0.050	20.00	20.00	ND	19.99	19.89	100	99	70-130	<1	
Trichloroethene (TCE)	EPA 5030	8021A	0.050	20.00	20.00	ND	18.09	17.42	90	87	70-130	4	
Tetrachloroethene (PCE)	EPA 5030	8021A	0.050	20.00	20.00	ND	20.51	20.07	103	100	70-130	3	
Benzene	EPA 5030	8021A	0.050	20.00	20.00	ND	20.00	20.28	100	101	70-130	2	
Toluene	EPA 5030	8021A	0.050	20.00	20.00	ND	19.70	19.86	98	99	70-130	<1	
Ethylbenzene	EPA 5030	8021A	0.050	20.00	20.00	ND	20.26	20.43	101	102	70-130	<1	
1,1,1-Trichloroethane (TCA)	EPA 5030	8021A	0.050	20.00	20.00	ND	20.79	19.63	104	98	70-130	6	
1,2-Dichloroethane (EDC)	EPA 5030	8021A	0.050	20.00	20.00	ND	21.69	21.26	108	106	70-130	3	

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Approved By: Greg Jonkin Date: 9-14-98

DMS/020597p

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Environmental Technology
Project: 19 Ave CAIJET/#1633WP
Sample Matrix: Water

Service Request: X9801957
Date Collected: 8/21/98
Date Received: 8/21/98

Total Recoverable Petroleum Hydrocarbons (TRPH)

Prep Method: METHOD
Analysis Method: 418.1
Test Notes:

Units: mg/L(ppm)
Basis: NA

Sample Name	Lab Code	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
PZ-1	X9801957-001	0.50	1	8/25/98	8/25/98	0.72	
MW-22	X9801957-002	0.50	1	8/25/98	8/25/98	1.6	
Method Blank	X980825-MB	0.50	1	8/25/98	8/25/98	ND	

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Approved By: _____ Date: 9-14-98

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	Environmental Technology	**Service Request:**	X9801957
Project:	19 Ave CAIJET/#1633WP	**Date Collected:**	NA
LCS Matrix:	Water	**Date Received:**	NA
		Date Extracted:	8/25/98
		Date Analyzed:	8/25/98

Laboratory Control Sample/Duplicate Laboratory Control Sample Summary
Total Recoverable Petroleum Hydrocarbons (TRPH)

Sample Name:	Duplicate Lab Control Sample	Units:	mg/L(ppm)
Lab Code:	X980825-LCS, X980825-DLCS	Basis:	NA
Test Notes:	*		

Analyte	Prep Method	Analysis Method	True Value LCS	True Value DLCS	Result LCS	Result DLCS	Percent Recovery LCS	Percent Recovery DLCS	CAS Acceptance Limits	Relative Percent Difference	Result Notes
TRPH	METHOD	418.1	15.0	15.0	12.4	13.1	83	87	59-133	5	

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* Sample quantity was insufficient to perform matrix spike and matrix spike duplicate. Three separate, replicate one liter samples are required to analyze sample and spikes.

Approved By: _____ Date: 9-14-98

Columbia Analytical Services inc.

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

3902 East University Drive, Suite D2 • Phoenix, AZ 85034 • (602) 437-2001 • (800) 695-7222 • FAX (602) 437-5308

DATE 8-21-98 PAGE 1 OF 1

PROJECT NAME 19AVE CAIJET # 1633WP

PROJECT MANAGER PAT CORDOVA

COMPANY/ADDRESS ENTECH

2541 E UNIVERSITY, PHX, AZ

PHONE/FAX 267-1900 85034

SAMPLERS SIGNATURE [signature] FAX 267-1973

ANALYSIS REQUESTED

SAMPLE I.D.	DATE	TIME	LAB I.D.	MATRIX	PRESERVATION	NUMBER OF CONTAINERS	~~BTEX~~ 602/8021 AZ	Volatile Organics GC/MS 624/8240/8260	Halogenated Volatile Organics 601/8021	Halogenated & Aromatic Volatiles 601/602 ☐ 8021 ☐	TPH/8015 Modified Diesel ☐ FC ☐ Gasoline ☐	Total Petroleum Hydrocarbons EPA 418.1 / 418.1 AZ	Base Neutral Acid Organics GC/MS 625/8270	8RCRA Metals Total ☐ TCLP ☐	Lead Total ☐ TCLP ☐	Flash Point ☐ pH ☐ Paint Filter ☐	DW Organics 524.2 ☐	PAH 8310 ☐ 8270 ☐					REMARKS
PZ-1	8/21	11:25	1957-01	H_2O			X					X											
MW-22	8/21	12:30	↓ 02	H_2O			X					X											

SPECIAL INSTRUCTIONS/COMMENTS:

Please FAX PRELIMINARY Results

REPORT REQUIREMENTS

- ___ I. Routine Report
- X II. Report (includes DUP.MS. MSD, as required, may be charged as samples)
- ___ III. Data Validation Report (includes All Raw Data)
- ___ IV. CLP Deliverable Report

INVOICE INFORMATION:

P.O.# ___

Bill To ___

SAMPLE RECEIPT:

Shipping VIA: ___

Shipping #: ___

Condition: ___

Lab No: X 9301957

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
[signature]	Entech	8-21/12:50pm	Leslie May	CAS	8/21/98 1250
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time

ANALYSIS TAT *(Circle One)*

STANDARD

RUSH TAT - *Surcharges Apply*

- ☐ 24 Hours
- ☐ 48 Hours
- ☐ 72 Hours

DISTRIBUTION: WHITE - return to originator; YELLOW - lab; PINK - retained by originator

400-05

McKENZIE
LABORATORIES

3725 E. Atlanta Ave.
Suite One
Phoenix, AZ 85040
Voice: (602) 470-0288
FAX: (602) 470-0756
ADHS License AZ 0034

April 02, 1998

Jeff C. Yentes
Hargis and Associates
1400 East Southern Ave #600
Tempe, AZ 85282
TEL: (602) 345-0888
FAX: (602) 730-0508

RE: Chemresearch/525.11

Work Order No.: 9803110

Dear Jeff C. Yentes,

McKenzie Laboratories, Inc. received 5 samples on 3/12/98 12:38:00 PM for the analyses presented in the following report.

The Case Narrative of this report addresses any Quality Control and/or Quality Assurance issues associated with this Work Order.

If you have any questions regarding these test results, please feel free to call.

Sincerely,

Maja Radwick

Laboratory Representative

McKENZIE
LABORATORIES

3725 E. Atlanta Ave.
Suite One
Phoenix, AZ 85040
Voice: (602) 470-0288
FAX: (602) 470-0756
ADHS License AZ 0034

Client: Hargis and Associates
Work Order: 9803110
Project Name: Chemresearch
Project Number: 525.11

Date Printed: 02-Apr-98

CASE NARRATIVE

McKenzie Laboratories, Inc. uses the methods outlined in the following references:

Code of Federal Regulations, 40CFR, Part 136, Revised July 1995.

Standard Methods for the Examination of Water and Wastewater, 19th Edition, 1995.

Methods for Chemical Analysis of Water and Wastes, EPA-600/4-79-020, Revised March 1983.

Methods for the Determination of Inorganic Substances in Environmental Samples, EPA/600/R-93/100, Revised August 1993.

Methods for the Determination of Metals in Environmental Samples, EPA/600/R-94/111, Revised May 1994.

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, 3rd Edition.

Metals were analyzed using multi-element ICP instrumentation. Some metals reported in the QC report may not be associated with this Work Order. Results that are out of acceptance criteria for metals not reported from a particular analysis date or batch are not referenced in the Case Narrative.

Secondary Source QC Sample (LCSV) results may not be reported for all methods and/or analysis dates.

All method blanks, laboratory spikes, and/or matrix spikes met quality control objectives for the parameters associated with this Work Order except as noted below.

Analytical Comments for Method EPA601/602, Batch 280319A:
The percent recovery for Trichlorotrifluoroethane was high and outside McKenzie acceptance criteria in the opening calibration standard analyzed in this batch. This compound was not detected in the samples analyzed in this batch.

Analytical Comments for Method EPA601/602, Sample 9803110-01, Batch 280319A:
1) The pH of this sample is approximately <2 as determined by test strip.
2) The percent recovery for Tetrachloroethene was low and outside McKenzie acceptance criteria in the Matrix Spike Duplicate. The percent recovery of Tetrachloroethene was within acceptance criteria in the primary source calibration standards and the Secondary Source QC Sample (LCSV) analyzed in this batch.

McKENZIE
LABORATORIES

3725 E. Atlanta Ave.
Suite One
Phoenix, AZ 85040
Voice: (602) 470-0288
FAX: (602) 470-0756
ADHS License AZ 0034

Client: Hargis and Associates
Work Order: 9803110
Project Name: Chemresearch
Project Number: 525.11

Date Printed: 02-Apr-98

CASE NARRATIVE

Analytical Comments for Method EPA601/602, Sample 9803110-02:
The pH of this sample is approximately <2 as determined by test strip.

Analytical Comments for Method EPA601/602, Sample 9803110-03:
The pH of this sample is approximately <2 as determined by test strip.

Analytical Comments for Method EPA601/602, Sample 9803110-04:
The pH of this sample is approximately <2 as determined by test strip.

Analytical Comments for Method EPA601/602, Sample 9803110-05:
The pH of this sample is approximately <2 as determined by test strip.

McKENZIE LABORATORIES

Date Printed: 02-Apr-98

CLIENT: Hargis and Associates
Project Name: Chemresearch
Project Number: 525.11
Work Order: 9803110
Date Received: 12-Mar-98

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Test Code	Collection Date
9803110-01A	CMW-2	EPA601/602	3/12/98 9:25:00 AM
9803110-01B	CMW-2	EPA200.7	3/12/98 9:25:00 AM
9803110-01C	CMW-2	Calculation	3/12/98 9:25:00 AM
		SM3500-CR D	3/12/98 9:25:00 AM
9803110-02A	CMW-3	EPA601/602	3/12/98 10:40:00 AM
9803110-02B	CMW-3	EPA200.7	3/12/98 10:40:00 AM
9803110-02C	CMW-3	Calculation	3/12/98 10:40:00 AM
		SM3500-CR D	3/12/98 10:40:00 AM
9803110-03A	CMW-3a	EPA601/602	3/12/98 10:50:00 AM
9803110-03B	CMW-3a	EPA200.7	3/12/98 10:50:00 AM
9803110-03C	CMW-3a	Calculation	3/12/98 10:50:00 AM
		SM3500-CR D	3/12/98 10:50:00 AM
9803110-04A	CMW-1	EPA601/602	3/12/98 11:33:00 AM
9803110-04B	CMW-1	EPA200.7	3/12/98 11:33:00 AM
9803110-04C	CMW-1	Calculation	3/12/98 11:33:00 AM
		SM3500-CR D	3/12/98 11:33:00 AM
9803110-05A	TB-110	EPA601/602	3/12/98 9:00:00 AM

McKENZIE LABORATORIES

Date Printed: 02-Apr-98

CLIENT: Hargis and Associates
Work Order: 9803110
Lab ID: 9803110-01
Project Name: Chemresearch
Project Number: 525.11

Client Sample ID: CMW-2
Collection Date: 3/12/98 9:25:00 AM
Matrix: GROUNDWATER

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Trivalent Chromium	<0.05	0.05		mg/L	1	Calculation	N/A	3/31/98	RN	CR3_W3/31/98
Chromium, Hexavalent	<0.025	0.025		mg/L	1	SM3500-CR D	N/A	3/12/98 1:54:00 PM	TF	CR6_W-3/12/98
Chromium	<0.05	0.05		mg/L	1	EPA200.7	3/23/98	3/24/98	ME	1286

Qualifiers:

S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
H - Analyzed past EPA recommended Holding Time
* - Value exceeds Maximum Contaminant Level
R - RPD outside accepted recovery limits
E - Value above quantitation range
D - Surrogate diluted out

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McKENZIE LABORATORIES

Date Printed: 02-Apr-98

CLIENT: Hargis and Associates
Work Order: 9803110
Lab ID: 9803110-01
Project Name: Chemresearch
Project Number: 525.11

Client Sample ID: CMW-2
Collection Date: 3/12/98 9:25:00 AM
Matrix: GROUNDWATER

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Benzene	<0.5	0.5		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
Bromodichloromethane	<0.5	0.5		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
Bromoform	<1.0	1.0		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
Bromomethane	<5.0	5.0		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
Carbon tetrachloride	<0.5	0.5		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
Chlorobenzene	<0.5	0.5		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
Chloroethane	<0.5	0.5		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
2-Chloroethylvinylether	<5.0	5.0		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
Chloroform	<0.5	0.5		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
Chloromethane	<0.5	0.5		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
Dibromochloromethane	<0.5	0.5		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
1,2-Dichlorobenzene	<0.5	0.5		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
1,3-Dichlorobenzene	<0.5	0.5		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
1,4-Dichlorobenzene	<0.5	0.5		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
Dichlorodifluoromethane	<1.0	1.0		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
1,1-Dichloroethane	<0.5	0.5		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
1,2-Dichloroethane	<0.5	0.5		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
1,1-Dichloroethene	<0.5	0.5		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
cis-1,2-Dichloroethene	<0.5	0.5		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
trans-1,2-Dichloroethene	<0.5	0.5		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
1,2-Dichloropropane	<0.5	0.5		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
cis-1,3-Dichloropropene	<0.5	0.5		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
trans-1,3-Dichloropropene	<0.5	0.5		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
Ethylbenzene	<0.5	0.5		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
Methylene chloride	<2.0	2.0		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
1,1,2,2-Tetrachloroethane	<0.5	0.5		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
Tetrachloroethene	20	0.5		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
Toluene	<0.5	0.5		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
1,1,1-Trichloroethane	<0.5	0.5		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
1,1,2-Trichloroethane	<0.5	0.5		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
Trichloroethene	<0.5	0.5		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
Trichlorofluoromethane	<1.0	1.0		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
Trichlorotrifluoroethane	<5.0	5.0		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
Vinyl chloride	<0.5	0.5		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
m,p-Xylene	<1.0	1.0		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
o-Xylene	<0.5	0.5		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
1-Chloro-4-fluorobenzene (PID)	125	70-130		%REC	1	EPA601/602	N/A	3/19/98	CT	280319A
1-Chloro-4-fluorobenzene (ELCD)	120	70-130		%REC	1	EPA601/602	N/A	3/19/98	CT	280319A

Qualifiers:

S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
H - Analyzed past EPA recommended Holding Time
* - Value exceeds Maximum Contaminant Level
R - RPD outside accepted recovery limits
E - Value above quantitation range
D - Surrogate diluted out

Confidential and Privileged

McKENZIE LABORATORIES

Date Printed: 02-Apr-98

CLIENT: Hargis and Associates
Work Order: 9803110
Lab ID: 9803110-02
Project Name: Chemresearch
Project Number: 525.11

Client Sample ID: CMW-3
Collection Date: 3/12/98 10:40:00 AM
Matrix: GROUNDWATER

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Trivalent Chromium	<0.05	0.05		mg/L	1	Calculation	N/A	3/31/98	RN	CR3_W3/31/98
Chromium, Hexavalent	0.064	0.025		mg/L	1	SM3500-CR D	N/A	3/12/98 1:54:00 PM	TF	CR6_W-3/12/98
Chromium	0.06	0.05		mg/L	1	EPA200.7	3/23/98	3/24/98	ME	1286

Qualifiers:

S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
H - Analyzed past EPA recommended Holding Time
* - Value exceeds Maximum Contaminant Level
R - RPD outside accepted recovery limits
E - Value above quantitation range
D - Surrogate diluted out

Confidential and Privileged

McKENZIE LABORATORIES

Date Printed: 02-Apr-98

CLIENT: Hargis and Associates
Work Order: 9803110
Lab ID: 9803110-02
Project Name: Chemresearch
Project Number: 525.11

Client Sample ID: CMW-3
Collection Date: 3/12/98 10:40:00 AM
Matrix: GROUNDWATER

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Benzene	<0.5	0.5		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
Bromodichloromethane	<0.5	0.5		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
Bromoform	<1.0	1.0		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
Bromomethane	<5.0	5.0		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
Carbon tetrachloride	<0.5	0.5		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
Chlorobenzene	<0.5	0.5		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
Chloroethane	<0.5	0.5		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
2-Chloroethylvinylether	<5.0	5.0		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
Chloroform	<0.5	0.5		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
Chloromethane	<0.5	0.5		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
Dibromochloromethane	<0.5	0.5		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
1,2-Dichlorobenzene	<0.5	0.5		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
1,3-Dichlorobenzene	<0.5	0.5		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
1,4-Dichlorobenzene	<0.5	0.5		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
Dichlorodifluoromethane	<1.0	1.0		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
1,1-Dichloroethane	<0.5	0.5		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
1,2-Dichloroethane	<0.5	0.5		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
1,1-Dichloroethene	<0.5	0.5		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
cis-1,2-Dichloroethene	<0.5	0.5		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
trans-1,2-Dichloroethene	<0.5	0.5		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
1,2-Dichloropropane	<0.5	0.5		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
cis-1,3-Dichloropropene	<0.5	0.5		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
trans-1,3-Dichloropropene	<0.5	0.5		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
Ethylbenzene	<0.5	0.5		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
Methylene chloride	<2.0	2.0		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
1,1,2,2-Tetrachloroethane	<0.5	0.5		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
Tetrachloroethene	62	1.0		µg/L	2	EPA601/602	N/A	3/20/98	CT	180320B
Toluene	<0.5	0.5		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
1,1,1-Trichloroethane	<0.5	0.5		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
1,1,2-Trichloroethane	<0.5	0.5		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
Trichloroethene	<0.5	0.5		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
Trichlorofluoromethane	<1.0	1.0		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
Trichlorotrifluoroethane	<5.0	5.0		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
Vinyl chloride	<0.5	0.5		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
m,p-Xylene	<1.0	1.0		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
o-Xylene	<0.5	0.5		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
1-Chloro-4-fluorobenzene (PID)	125	70-130		%REC	1	EPA601/602	N/A	3/19/98	CT	280319A
1-Chloro-4-fluorobenzene (ELCD)	123	70-130		%REC	1	EPA601/602	N/A	3/19/98	CT	280319A

Qualifiers:

S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
H - Analyzed past EPA recommended Holding Time
* - Value exceeds Maximum Contaminant Level
R - RPD outside accepted recovery limits
E - Value above quantitation range
D - Surrogate diluted out

Confidential and Privileged

McKENZIE LABORATORIES

Date Printed: 02-Apr-98

CLIENT: Hargis and Associates
Work Order: 9803110
Lab ID: 9803110-03
Project Name: Chemresearch
Project Number: 525.11

Client Sample ID: CMW-3a
Collection Date: 3/12/98 10:50:00 AM
Matrix: GROUNDWATER

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Trivalent Chromium	<0.05	0.05		mg/L	1	Calculation	N/A	3/31/98	RN	CR3_W3/31/98
Chromium, Hexavalent	0.063	0.025		mg/L	1	SM3500-CR D	N/A	3/12/98 1:54:00 PM	TF	CR6_W-3/12/98
Chromium	0.06	0.05		mg/L	1	EPA200.7	3/23/98	3/24/98	ME	1286

Qualifiers:

S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
H - Analyzed past EPA recommended Holding Time
* - Value exceeds Maximum Contaminant Level
R - RPD outside accepted recovery limits
E - Value above quantitation range
D - Surrogate diluted out

Confidential and Privileged

McKENZIE LABORATORIES

Date Printed: 02-Apr-98

CLIENT: Hargis and Associates
Work Order: 9803110
Lab ID: 9803110-03
Project Name: Chemresearch
Project Number: 525.11

Client Sample ID: CMW-3a
Collection Date: 3/12/98 10:50:00 AM
Matrix: GROUNDWATER

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Benzene	<0.5	0.5		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
Bromodichloromethane	<0.5	0.5		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
Bromoform	<1.0	1.0		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
Bromomethane	<5.0	5.0		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
Carbon tetrachloride	<0.5	0.5		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
Chlorobenzene	<0.5	0.5		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
Chloroethane	<0.5	0.5		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
2-Chloroethylvinylether	<5.0	5.0		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
Chloroform	<0.5	0.5		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
Chloromethane	<0.5	0.5		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
Dibromochloromethane	<0.5	0.5		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
1,2-Dichlorobenzene	<0.5	0.5		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
1,3-Dichlorobenzene	<0.5	0.5		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
1,4-Dichlorobenzene	<0.5	0.5		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
Dichlorodifluoromethane	<1.0	1.0		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
1,1-Dichloroethane	<0.5	0.5		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
1,2-Dichloroethane	<0.5	0.5		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
1,1-Dichloroethene	<0.5	0.5		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
cis-1,2-Dichloroethene	<0.5	0.5		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
trans-1,2-Dichloroethene	<0.5	0.5		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
1,2-Dichloropropane	<0.5	0.5		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
cis-1,3-Dichloropropene	<0.5	0.5		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
trans-1,3-Dichloropropene	<0.5	0.5		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
Ethylbenzene	<0.5	0.5		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
Methylene chloride	<2.0	2.0		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
1,1,2,2-Tetrachloroethane	<0.5	0.5		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
Tetrachloroethene	61	1.0		µg/L	2	EPA601/602	N/A	3/20/98	CT	180320B
Toluene	<0.5	0.5		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
1,1,1-Trichloroethane	<0.5	0.5		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
1,1,2-Trichloroethane	<0.5	0.5		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
Trichloroethene	<0.5	0.5		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
Trichlorofluoromethane	<1.0	1.0		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
Trichlorotrifluoroethane	<5.0	5.0		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
Vinyl chloride	<0.5	0.5		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
m,p-Xylene	<1.0	1.0		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
o-Xylene	<0.5	0.5		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
1-Chloro-4-fluorobenzene (PID)	125	70-130		%REC	1	EPA601/602	N/A	3/19/98	CT	280319A
1-Chloro-4-fluorobenzene (ELCD)	125	70-130		%REC	1	EPA601/602	N/A	3/19/98	CT	280319A

Qualifiers:

S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
H - Analyzed past EPA recommended Holding Time
* - Value exceeds Maximum Contaminant Level
R - RPD outside accepted recovery limits
E - Value above quantitation range
D - Surrogate diluted out

Confidential and Privileged

McKENZIE LABORATORIES

Date Printed: 02-Apr-98

CLIENT: Hargis and Associates
Work Order: 9803110
Lab ID: 9803110-04
Project Name: Chemresearch
Project Number: 525.11

Client Sample ID: CMW-1
Collection Date: 3/12/98 11:33:00 AM
Matrix: GROUNDWATER

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Trivalent Chromium	1.2	0.05		mg/L	1	Calculation	N/A	3/31/98	RN	CR3_W3/31/98
Chromium, Hexavalent	7.3	2.5		mg/L	100	SM3500-CR D	N/A	3/12/98 1:54:00 PM	TF	CR6_W-3/12/98
Chromium	8.5	0.05		mg/L	1	EPA200.7	3/23/98	3/24/98	ME	1286

Qualifiers:

S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
H - Analyzed past EPA recommended Holding Time
* - Value exceeds Maximum Contaminant Level
R - RPD outside accepted recovery limits
E - Value above quantitation range
D - Surrogate diluted out

Confidential and Privileged

McKENZIE LABORATORIES

Date Printed: 02-Apr-98

CLIENT: Hargis and Associates
Work Order: 9803110
Lab ID: 9803110-04
Project Name: Chemresearch
Project Number: 525.11

Client Sample ID: CMW-1
Collection Date: 3/12/98 11:33:00 AM
Matrix: GROUNDWATER

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Benzene	<5.0	5.0		µg/L	10	EPA601/602	N/A	3/19/98	CT	280319A
Bromodichloromethane	<5.0	5.0		µg/L	10	EPA601/602	N/A	3/19/98	CT	280319A
Bromoform	<10	10		µg/L	10	EPA601/602	N/A	3/19/98	CT	280319A
Bromomethane	<50	50		µg/L	10	EPA601/602	N/A	3/19/98	CT	280319A
Carbon tetrachloride	<5.0	5.0		µg/L	10	EPA601/602	N/A	3/19/98	CT	280319A
Chlorobenzene	<5.0	5.0		µg/L	10	EPA601/602	N/A	3/19/98	CT	280319A
Chloroethane	<5.0	5.0		µg/L	10	EPA601/602	N/A	3/19/98	CT	280319A
2-Chloroethylvinylether	<50	50		µg/L	10	EPA601/602	N/A	3/19/98	CT	280319A
Chloroform	<5.0	5.0		µg/L	10	EPA601/602	N/A	3/19/98	CT	280319A
Chloromethane	<5.0	5.0		µg/L	10	EPA601/602	N/A	3/19/98	CT	280319A
Dibromochloromethane	<5.0	5.0		µg/L	10	EPA601/602	N/A	3/19/98	CT	280319A
1,2-Dichlorobenzene	<5.0	5.0		µg/L	10	EPA601/602	N/A	3/19/98	CT	280319A
1,3-Dichlorobenzene	<5.0	5.0		µg/L	10	EPA601/602	N/A	3/19/98	CT	280319A
1,4-Dichlorobenzene	<5.0	5.0		µg/L	10	EPA601/602	N/A	3/19/98	CT	280319A
Dichlorodifluoromethane	<10	10		µg/L	10	EPA601/602	N/A	3/19/98	CT	280319A
1,1-Dichloroethane	<5.0	5.0		µg/L	10	EPA601/602	N/A	3/19/98	CT	280319A
1,2-Dichloroethane	<5.0	5.0		µg/L	10	EPA601/602	N/A	3/19/98	CT	280319A
1,1-Dichloroethene	<5.0	5.0		µg/L	10	EPA601/602	N/A	3/19/98	CT	280319A
cis-1,2-Dichloroethene	<5.0	5.0		µg/L	10	EPA601/602	N/A	3/19/98	CT	280319A
trans-1,2-Dichloroethene	<5.0	5.0		µg/L	10	EPA601/602	N/A	3/19/98	CT	280319A
1,2-Dichloropropane	<5.0	5.0		µg/L	10	EPA601/602	N/A	3/19/98	CT	280319A
cis-1,3-Dichloropropene	<5.0	5.0		µg/L	10	EPA601/602	N/A	3/19/98	CT	280319A
trans-1,3-Dichloropropene	<5.0	5.0		µg/L	10	EPA601/602	N/A	3/19/98	CT	280319A
Ethylbenzene	<5.0	5.0		µg/L	10	EPA601/602	N/A	3/19/98	CT	280319A
Methylene chloride	<20	20		µg/L	10	EPA601/602	N/A	3/19/98	CT	280319A
1,1,2,2-Tetrachloroethane	<5.0	5.0		µg/L	10	EPA601/602	N/A	3/19/98	CT	280319A
Tetrachloroethene	330	5.0		µg/L	10	EPA601/602	N/A	3/19/98	CT	280319A
Toluene	<5.0	5.0		µg/L	10	EPA601/602	N/A	3/19/98	CT	280319A
1,1,1-Trichloroethane	<5.0	5.0		µg/L	10	EPA601/602	N/A	3/19/98	CT	280319A
1,1,2-Trichloroethane	<5.0	5.0		µg/L	10	EPA601/602	N/A	3/19/98	CT	280319A
Trichloroethene	<5.0	5.0		µg/L	10	EPA601/602	N/A	3/19/98	CT	280319A
Trichlorofluoromethane	<10	10		µg/L	10	EPA601/602	N/A	3/19/98	CT	280319A
Trichlorotrifluoroethane	<50	50		µg/L	10	EPA601/602	N/A	3/19/98	CT	280319A
Vinyl chloride	<5.0	5.0		µg/L	10	EPA601/602	N/A	3/19/98	CT	280319A
m,p-Xylene	<10	10		µg/L	10	EPA601/602	N/A	3/19/98	CT	280319A
o-Xylene	<5.0	5.0		µg/L	10	EPA601/602	N/A	3/19/98	CT	280319A
1-Chloro-4-fluorobenzene (PID)	126	70-130		%REC	10	EPA601/602	N/A	3/19/98	CT	280319A
1-Chloro-4-fluorobenzene (ELCD)	121	70-130		%REC	10	EPA601/602	N/A	3/19/98	CT	280319A

Qualifiers:

S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
H - Analyzed past EPA recommended Holding Time
* - Value exceeds Maximum Contaminant Level
R - RPD outside accepted recovery limits
E - Value above quantitation range
D - Surrogate diluted out

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McKENZIE LABORATORIES

Date Printed: 02-Apr-98

CLIENT: Hargis and Associates
Work Order: 9803110
Lab ID: 9803110-05
Project Name: Chemresearch
Project Number: 525.11

Client Sample ID: TB-110
Collection Date: 3/12/98 9:00:00 AM
Matrix: TRIP BLANK

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Benzene	<0.5	0.5		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
Bromodichloromethane	<0.5	0.5		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
Bromoform	<1.0	1.0		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
Bromomethane	<5.0	5.0		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
Carbon tetrachloride	<0.5	0.5		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
Chlorobenzene	<0.5	0.5		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
Chloroethane	<0.5	0.5		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
2-Chloroethylvinylether	<5.0	5.0		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
Chloroform	<0.5	0.5		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
Chloromethane	<0.5	0.5		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
Dibromochloromethane	<0.5	0.5		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
1,2-Dichlorobenzene	<0.5	0.5		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
1,3-Dichlorobenzene	<0.5	0.5		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
1,4-Dichlorobenzene	<0.5	0.5		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
Dichlorodifluoromethane	<1.0	1.0		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
1,1-Dichloroethane	<0.5	0.5		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
1,2-Dichloroethane	<0.5	0.5		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
1,1-Dichloroethene	<0.5	0.5		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
cis-1,2-Dichloroethene	<0.5	0.5		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
trans-1,2-Dichloroethene	<0.5	0.5		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
1,2-Dichloropropane	<0.5	0.5		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
cis-1,3-Dichloropropene	<0.5	0.5		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
trans-1,3-Dichloropropene	<0.5	0.5		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
Ethylbenzene	<0.5	0.5		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
Methylene chloride	<2.0	2.0		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
1,1,2,2-Tetrachloroethane	<0.5	0.5		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
Tetrachloroethene	<0.5	0.5		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
Toluene	<0.5	0.5		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
1,1,1-Trichloroethane	<0.5	0.5		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
1,1,2-Trichloroethane	<0.5	0.5		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
Trichloroethene	<0.5	0.5		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
Trichlorofluoromethane	<1.0	1.0		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
Trichlorotrifluoroethane	<5.0	5.0		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
Vinyl chloride	<0.5	0.5		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
m,p-Xylene	<1.0	1.0		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
o-Xylene	<0.5	0.5		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
1-Chloro-4-fluorobenzene (PID)	125	70-130		%REC	1	EPA601/602	N/A	3/19/98	CT	280319A
1-Chloro-4-fluorobenzene (ELCD)	123	70-130		%REC	1	EPA601/602	N/A	3/19/98	CT	280319A

Qualifiers:

S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
H - Analyzed past EPA recommended Holding Time
* - Value exceeds Maximum Contaminant Level
R - RPD outside accepted recovery limits
E - Value above quantitation range
D - Surrogate diluted out

Confidential and Privileged

McKENZIE LABORATORIES

Date: 02-Apr-98

CLIENT: Hargis and Associates
Work Order: 9803110
Project: Chemresearch/525.11

QC SUMMARY REPORT
Method Blank

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Chromium, Hexavalent	<0.025	0.025		mg/L	1	SM3500-CR D	N/A	3/12/98	TF	CR6_W-3/12/98
Arsenic	<0.10	0.10		mg/L	1	EPA200.7	3/23/98	3/24/98	ME	1286
Barium	<0.05	0.05		mg/L	1	EPA200.7	3/23/98	3/24/98	ME	1286
Beryllium	<0.05	0.05		mg/L	1	EPA200.7	3/23/98	3/24/98	ME	1286
Cadmium	<0.02	0.02		mg/L	1	EPA200.7	3/23/98	3/24/98	ME	1286
Chromium	<0.05	0.05		mg/L	1	EPA200.7	3/23/98	3/24/98	ME	1286
Copper	<0.05	0.05		mg/L	1	EPA200.7	3/23/98	3/24/98	ME	1286
Lead	<0.10	0.10		mg/L	1	EPA200.7	3/23/98	3/24/98	ME	1286
Molybdenum	<0.05	0.05		mg/L	1	EPA200.7	3/23/98	3/24/98	ME	1286
Nickel	<0.05	0.05		mg/L	1	EPA200.7	3/23/98	3/24/98	ME	1286
Selenium	<0.10	0.10		mg/L	1	EPA200.7	3/23/98	3/24/98	ME	1286
Silver	<0.05	0.05		mg/L	1	EPA200.7	3/23/98	3/24/98	ME	1286
Zinc	<0.05	0.05		mg/L	1	EPA200.7	3/23/98	3/24/98	ME	1286

Qualifiers:

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank
E - Value above quantitation range
H - Analyzed past EPA recommended Holding Time
D - Surrogate diluted out

Confidential and Privileged

McKENZIE LABORATORIES

Date: 02-Apr-98

CLIENT: Hargis and Associates
Work Order: 9803110
Project: Chemresearch/525.11

QC SUMMARY REPORT
Method Blank

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Benzene	<0.5	0.5		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
Bromodichloromethane	<0.5	0.5		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
Bromoform	<1.0	1.0		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
Bromomethane	<5.0	5.0		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
Carbon tetrachloride	<0.5	0.5		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
Chlorobenzene	<0.5	0.5		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
Chloroethane	<0.5	0.5		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
2-Chloroethylvinylether	<5.0	5.0		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
Chloroform	<0.5	0.5		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
Chloromethane	<0.5	0.5		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
Dibromochloromethane	<0.5	0.5		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
1,2-Dichlorobenzene	<0.5	0.5		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
1,3-Dichlorobenzene	<0.5	0.5		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
1,4-Dichlorobenzene	<0.5	0.5		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
Dichlorodifluoromethane	<1.0	1.0		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
1,1-Dichloroethane	<0.5	0.5		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
1,2-Dichloroethane	<0.5	0.5		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
1,1-Dichloroethene	<0.5	0.5		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
cis-1,2-Dichloroethene	<0.5	0.5		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
trans-1,2-Dichloroethene	<0.5	0.5		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
1,2-Dichloropropane	<0.5	0.5		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
cis-1,3-Dichloropropene	<0.5	0.5		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
trans-1,3-Dichloropropene	<0.5	0.5		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
Ethylbenzene	<0.5	0.5		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
Methylene chloride	<2.0	2.0		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
1,1,2,2-Tetrachloroethane	<0.5	0.5		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
Tetrachloroethene	<0.5	0.5		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
Toluene	<0.5	0.5		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
1,1,1-Trichloroethane	<0.5	0.5		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
1,1,2-Trichloroethane	<0.5	0.5		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
Trichloroethene	<0.5	0.5		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
Trichlorofluoromethane	<1.0	1.0		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
Trichlorotrifluoroethane	<5.0	5.0		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
Vinyl chloride	<0.5	0.5		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
m,p-Xylene	<1.0	1.0		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
o-Xylene	<0.5	0.5		µg/L	1	EPA601/602	N/A	3/19/98	CT	280319A
1-Chloro-4-fluorobenzene (PID)	125	70-130		%REC	1	EPA601/602	N/A	3/19/98	CT	280319A
1-Chloro-4-fluorobenzene (ELCD)	119	70-130		%REC	1	EPA601/602	N/A	3/19/98	CT	280319A
Tetrachloroethene	<0.5	0.5		µg/L	1	EPA601/602	N/A	3/20/98	CT	180320B
1-Chloro-4-fluorobenzene (PID)	119	70-130		%REC	1	EPA601/602	N/A	3/20/98	CT	180320B
1-Chloro-4-fluorobenzene (ELCD)	114	70-130		%REC	1	EPA601/602	N/A	3/20/98	CT	180320B

Qualifiers:
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank
E - Value above quantitation range
H - Analyzed past EPA recommended Holding Time
D - Surrogate diluted out

Confidential and Privileged

McKENZIE LABORATORIES

Date: 02-Apr-98

CLIENT: Hargis and Associates
Work Order: 9803110
Project: Chemresearch/525.11

QC SUMMARY REPORT
Sample Duplicate

Analyte	Result	PQL	Units	RPD Ref Val	% RPD	RPD Limit	Test Code	Date Prepared	Date Analyzed	Analyst	Qual
Sample ID: **9803110-01CD** Batch ID: CR6_W-3/12/98											
Client ID: **CMW-2**											
Chromium, Hexavalent	<0.025	0.025	mg/L	<0.025	0%	20	SM3500-CR D	N/A	3/12/98	TF	
Sample ID: **9803109-02AD** Batch ID: 1286											
Client ID:											
Chromium	0.2469	0.05	mg/L	0.236	5%	20	EPA200.7	3/23/98	3/24/98	ME	
Copper	<0.05	0.05	mg/L	<0.05	0%	20	EPA200.7	3/23/98	3/24/98	ME	
Nickel	0.1654	0.05	mg/L	0.1457	13%	20	EPA200.7	3/23/98	3/24/98	ME	
Sample ID: **9803082-01BD** Batch ID: 1286											
Client ID:											
Arsenic	<0.10	0.10	mg/L	<0.10	0%	20	EPA200.7	3/23/98	3/24/98	ME	
Barium	0.0634	0.05	mg/L	0.0623	2%	20	EPA200.7	3/23/98	3/24/98	ME	
Beryllium	<0.05	0.05	mg/L	<0.05	0%	20	EPA200.7	3/23/98	3/24/98	ME	
Lead	<0.10	0.10	mg/L	<0.10	0%	20	EPA200.7	3/23/98	3/24/98	ME	
Selenium	<0.10	0.10	mg/L	<0.10	0%	20	EPA200.7	3/23/98	3/24/98	ME	
Sample ID: **9803078-02AD** Batch ID: 1286											
Client ID:											
Arsenic	<0.10	0.10	mg/L	<0.10	0%	20	EPA200.7	3/23/98	3/24/98	ME	
Beryllium	<0.05	0.05	mg/L	<0.05	0%	20	EPA200.7	3/23/98	3/24/98	ME	
Cadmium	0.0235	0.02	mg/L	0.0226	4%	20	EPA200.7	3/23/98	3/24/98	ME	
Chromium	<0.05	0.05	mg/L	<0.05	0%	20	EPA200.7	3/23/98	3/24/98	ME	
Copper	0.093	0.05	mg/L	0.099	6%	20	EPA200.7	3/23/98	3/24/98	ME	
Lead	<0.10	0.10	mg/L	<0.10	0%	20	EPA200.7	3/23/98	3/24/98	ME	
Molybdenum	<0.05	0.05	mg/L	<0.05	0%	20	EPA200.7	3/23/98	3/24/98	ME	
Nickel	<0.05	0.05	mg/L	<0.05	0%	20	EPA200.7	3/23/98	3/24/98	ME	
Selenium	<0.10	0.10	mg/L	<0.10	0%	20	EPA200.7	3/23/98	3/24/98	ME	
Silver	<0.05	0.05	mg/L	<0.05	0%	20	EPA200.7	3/23/98	3/24/98	ME	
Zinc	0.0925	0.05	mg/L	0.0946	2%	20	EPA200.7	3/23/98	3/24/98	ME	

Qualifiers:

S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
H - Analyzed past EPA recommended Holding Time
R - RPD outside accepted recovery limits
E - Value above quantitation range
D - Surrogate diluted out

Confidential and Privileged

McKENZIE LABORATORIES

Date: 02-Apr-98

CLIENT: Hargis and Associates
Work Order: 9803110
Project: Chemresearch/525.11

QC SUMMARY REPORT
Sample Matrix Spike

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Sample ID: **9803110-01CS**	Batch ID: CR6_W-3/12/98				Test Code: SM3500-CR D			Date Analyzed: 3/12/98			
Client ID: **CMW-2**					Units: mg/L			Date Prepared: N/A			
Chromium, Hexavalent	0.1073	0.025	0.1	< 0.025	107%	80	120				
Sample ID: **9803109-02AS**	Batch ID: 1286				Test Code: EPA200.7			Date Analyzed: 3/24/98			
Client ID:					Units: mg/L			Date Prepared: 3/23/98			
Chromium	1.278	0.05	1	0.2360	104%	70	130				
Copper	1.085	0.05	1	< 0.05	109%	70	130				
Nickel	1.176	0.05	1	0.1457	103%	70	130				
Sample ID: **9803082-01BS**	Batch ID: 1286				Test Code: EPA200.7			Date Analyzed: 3/24/98			
Client ID:					Units: mg/L			Date Prepared: 3/23/98			
Arsenic	1.181	0.10	1	< 0.10	118%	70	130				
Barium	5.167	0.05	5	0.06230	102%	70	130				
Beryllium	1.040	0.05	1	< 0.05	104%	70	130				
Lead	1.068	0.10	1	< 0.10	107%	70	130				
Selenium	1.120	0.10	1	< 0.10	112%	70	130				
Sample ID: **9803078-02AS**	Batch ID: 1286				Test Code: EPA200.7			Date Analyzed: 3/24/98			
Client ID:					Units: mg/L			Date Prepared: 3/23/98			
Arsenic	1.088	0.10	1	< 0.10	109%	70	130				
Beryllium	1.043	0.05	1	< 0.05	104%	70	130				
Cadmium	1.025	0.02	1	0.02260	100%	70	130				
Chromium	1.067	0.05	1	< 0.05	107%	70	130				
Copper	1.130	0.05	1	0.09900	103%	70	130				
Lead	1.041	0.10	1	< 0.10	104%	70	130				
Molybdenum	1.084	0.05	1	< 0.05	108%	70	130				
Nickel	1.006	0.05	1	< 0.05	101%	70	130				
Selenium	1.094	0.10	1	< 0.10	109%	70	130				
Silver	1.079	0.05	1	< 0.05	108%	70	130				
Zinc	1.148	0.05	1	0.09460	105%	70	130				

Qualifiers:
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
H - Analyzed past EPA recommended Holding Time
R - RPD outside accepted recovery limits
E - Value above quantitation range
D - Surrogate diluted out

Confidential and Privileged

McKENZIE LABORATORIES

Date: 02-Apr-98

CLIENT: Hargis and Associates
Work Order: 9803110
Project: Chemresearch/525.11

QC SUMMARY REPORT

Sample Matrix Spike

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Sample ID: **9803110-01ASD**	Batch ID: 280319A				Test Code: EPA601/602			Date Analyzed: 3/20/98			
Client ID: **CMW-2**					Units: µg/L			Date Prepared: N/A			
Benzene	17.40	0.5	20	< 0.5	87%	70	130	20.3	15%	20	
1,2-Dichlorobenzene	16.00	0.5	20	< 0.5	80%	70	130	18.9	17%	20	
1,1-Dichloroethene	20.00	0.5	20	< 0.5	100%	70	130	19.4	3%	20	
Tetrachloroethene	30.40	0.5	20	19.50	54%	70	130	34.2	12%	20	S
Toluene	17.50	0.5	20	< 0.5	88%	70	130	20.4	15%	20	
1,1,1-Trichloroethane	19.20	0.5	20	< 0.5	96%	70	130	21.1	9%	20	
Trichloroethene	16.50	0.5	20	< 0.5	83%	70	130	19	14%	20	
1-Chloro-4-fluorobenzene (PID)	16.70		20	< N/A	84%	70	130				
1-Chloro-4-fluorobenzene (ELCD)	16.50		20	< N/A	83%	70	130				
Sample ID: **9803110-01AS**	Batch ID: 280319A				Test Code: EPA601/602			Date Analyzed: 3/20/98			
Client ID: **CMW-2**					Units: µg/L			Date Prepared: N/A			
Benzene	20.30	0.5	20	< 0.5	102%	70	130				
1,2-Dichlorobenzene	18.90	0.5	20	< 0.5	95%	70	130				
1,1-Dichloroethene	19.40	0.5	20	< 0.5	97%	70	130				
Tetrachloroethene	34.20	0.5	20	19.50	74%	70	130				
Toluene	20.40	0.5	20	< 0.5	102%	70	130				
1,1,1-Trichloroethane	21.10	0.5	20	< 0.5	106%	70	130				
Trichloroethene	19.00	0.5	20	< 0.5	95%	70	130				
1-Chloro-4-fluorobenzene (PID)	19.50		20	< N/A	98%	70	130				
1-Chloro-4-fluorobenzene (ELCD)	19.70		20	< N/A	99%	70	130				

Qualifiers:

S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
H - Analyzed past EPA recommended Holding Time
R - RPD outside accepted recovery limits
E - Value above quantitation range
D - Surrogate diluted out

Confidential and Privileged

McKENZIE LABORATORIES

Date: 02-Apr-98

CLIENT: Hargis and Associates
Work Order: 9803110
Project: Chemresearch/525.11

QC SUMMARY REPORT

Blank Spike (primary source)

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Sample ID: **LCS**	Batch ID: CR6_W-3/12/98				Test Code: SM3500-CR D			Date Analyzed: 3/12/98			
					Units: mg/L			Date Prepared: N/A			
Chromium, Hexavalent	0.1041	0.025	0.1	< 0.025	104%	80	120				
Sample ID: **LCS-1286**	Batch ID: 1286				Test Code: EPA200.7			Date Analyzed: 3/24/98			
					Units: mg/L			Date Prepared: 3/23/98			
Arsenic	1.072	0.10	1	< 0.10	107%	85	115				
Barium	5.634	0.05	5	< 0.05	113%	85	115				
Beryllium	1.116	0.05	1	< 0.05	112%	85	115				
Cadmium	1.088	0.02	1	< 0.02	109%	85	115				
Chromium	1.134	0.05	1	< 0.05	113%	85	115				
Copper	1.133	0.05	1	< 0.05	113%	85	115				
Lead	1.126	0.10	1	< 0.10	113%	85	115				
Molybdenum	1.143	0.05	1	< 0.05	114%	85	115				
Nickel	1.107	0.05	1	< 0.05	111%	85	115				
Selenium	1.135	0.10	1	< 0.10	114%	85	115				
Silver	1.166	0.05	1	< 0.05	117%	85	115				S
Zinc	1.127	0.05	1	< 0.05	113%	85	115				
Sample ID: **LCSD180320A**	Batch ID: 180320B				Test Code: EPA601/602			Date Analyzed: 3/20/98			
					Units: µg/L			Date Prepared: N/A			
Tetrachloroethene	22.10	0.5	20	< 0.5	111%	70	130	18.7	17%	20	
1-Chloro-4-fluorobenzene (PID)	23.30		20	< N/A	117%	70	130				
1-Chloro-4-fluorobenzene (ELCD)	18.50		20	< N/A	93%	70	130				
Sample ID: **LCS180320A**	Batch ID: 180320B				Test Code: EPA601/602			Date Analyzed: 3/20/98			
					Units: µg/L			Date Prepared: N/A			
Tetrachloroethene	18.70	0.5	20	< 0.5	94%	70	130				
1-Chloro-4-fluorobenzene (PID)	18.70		20	< N/A	94%	70	130				
1-Chloro-4-fluorobenzene (ELCD)	16.30		20	< N/A	81%	70	130				

Qualifiers:

S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
H - Analyzed past EPA recommended Holding Time
R - RPD outside accepted recovery limits
E - Value above quantitation range
D - Surrogate diluted out

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McKENZIE LABORATORIES

Date: 02-Apr-98

CLIENT: Hargis and Associates
Work Order: 9803110
Project: Chemresearch/525.11

QC SUMMARY REPORT

Secondary Source QC Sample

Analyte	Result	PQL	Units	Spike Value	Spike Ref Val	% Rec	Limit	Date Prepared	Date Analyzed	Analyst	Qual
Sample ID: **LCSV**			Test Code:	SM3500-CR D				Batch ID:	CR6_W-3/12/98		
Chromium, Hexavalent	0.1075	0.025	mg/L	0.1	<0.025	108%	90 - 110	N/A	3/12/98	TF	
Sample ID: **LCSV280319A**			Test Code:	EPA601/602				Batch ID:	280319A		
Benzene	21.40	0.5	µg/L	20	<0.5	107%	70 - 130	N/A	3/20/98	CT	
1,2-Dichlorobenzene	21.20	0.5	µg/L	20	<0.5	106%	70 - 130	N/A	3/20/98	CT	
1,1-Dichloroethene	23.10	0.5	µg/L	20	<0.5	116%	70 - 130	N/A	3/20/98	CT	
Tetrachloroethene	22.20	0.5	µg/L	20	<0.5	111%	70 - 130	N/A	3/20/98	CT	
Toluene	21.20	0.5	µg/L	20	<0.5	106%	70 - 130	N/A	3/20/98	CT	
1,1,1-Trichloroethane	25.50	0.5	µg/L	20	<0.5	128%	70 - 130	N/A	3/20/98	CT	
Trichloroethene	23.90	0.5	µg/L	20	<0.5	120%	70 - 130	N/A	3/20/98	CT	
1-Chloro-4-fluorobenzene (PID)	20.80		µg/L	20		104%	70 - 130	N/A	3/20/98	CT	
1-Chloro-4-fluorobenzene (ELCD)	21.40		µg/L	20		107%	70 - 130	N/A	3/20/98	CT	
Sample ID: **LCSV180320A**			Test Code:	EPA601/602				Batch ID:	180320B		
Tetrachloroethene	21.70	0.5	µg/L	20	<0.5	109%	70 - 130	N/A	3/20/98	CT	
1-Chloro-4-fluorobenzene (PID)	24.20		µg/L	20		121%	70 - 130	N/A	3/20/98	CT	
1-Chloro-4-fluorobenzene (ELCD)	19.90		µg/L	20		99%	70 - 130	N/A	3/20/98	CT	

Qualifiers:

S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
H - Analyzed past EPA recommended Holding Time
R - RPD outside accepted recovery limits
E - Value above quantitation range
D - Surrogate diluted out

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HARGIS – ASSOCIATES, INC.
1400 East Southern Avenue, Suite 600
Tempe, Arizona 85282
(602) 345-0888
Fax (602) 730-0508

9803 110 -

CONFIDENTIAL

Project No. 525.11

Date: 03 - 12 -98

MCKENZIE LABORATORY
3725 East Atlanta Avenue
Suite 1
Phoenix, AZ 85040
(602) 470-0288

Attention: Project Manager

Transmitted herein are one parcels containing five water samples. The samples were hand delivered on the above date. The contents of the sample shipment and the analyses to be performed are shown on the attached Chain-of-Custody. Attached also is the Analyte List with Analytical Method Numbers (Table 1).

The laboratory representative who accepts custody of these samples from the delivery person should upon receipt, record the number and condition of the samples and acknowledge receipt of the samples by signing and returning the original custody record. The original custody record should be sent to Brian R. Waggle by regular mail within 1 to 3 days of receipt of the samples.

Please perform the analyses outlined on the attached Chain-of-Custody and include all data on sample labels in the final laboratory report. The date each sample was received by the laboratory, sample collection date, date of analysis, analytical method number, dilution factor, detection limit, and any other pertinent analytical information should also appear on the laboratory report.

Written results of the analyses should be sent within 30 days to Hargis + Associates, Inc., 1400 East Southern Avenue, Suite 600, Tempe, Arizona, 85282, Attn: ~~Brian R. Waggle~~ Jeff C. Yentes

If you have any questions concerning the requested analyses, or if the integrity of a sample(s) is in question, please contact ~~Brian R. Waggle~~ Jeff C. Yentes at Hargis + Associates, Inc., at (602) 345-0888.

Sincerely,

HARGIS + ASSOCIATES, INC.

Paul M Koloski
Sample Collector

Other Offices:
Tucson, AZ
La Jolla, CA
Pasadena, CA

TABLE 1
ANALYTE LIST
CHEMRESEARCH CO., INC.
GROUNDWATER MONITORING PROGRAM

Analyte Group	Method Number(s)
Volatile Organic Compounds	EPA 601/602
Total Metals	
Chromium (total)	EPA 200.7
Chromium (hexavalent)	EPA 7196
Chromium (trivalent)	(calculated)

HARGIS + ASSOCIATES, INC. **CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST FORM**

DATE 03/12/98 PAGE 1 OF 1

PROJECT NAME	[illegible]
PROJECT No./TASK No.	9825.11
PROJECT MANAGER	Jeff C. Yentes
Phone No.	602-345-0888
QA MANAGER	Jeff C. Yentes
FAX No.	602-730-0508
SAMPLER (SIGNATURE)	[signature]
SAMPLER (PRINTED)	Paul R. Salcido

LAB ID	SAMPLE ID	SAMPLE COLLECTION Date	Time	MATRIX Soil	Ground-water	Surface water	Water	PRESERVATION HCl	HNO3	NaOH	H2SO4	Ice	SAMPLE CONTAINERS 40-ml glass vial	500-ml poly bottle	1-liter poly bottle	ANALYSES REQUESTED VOC's (method 601/602)	Total Cr (method 200.7)	Hex Cr (method 7196)	Trivalent Cr (calc)	ESTIMATED CONCENTRATION RANGE (ppb) FOR VOA'S Normal turnaround time	SPECIAL HANDLING
01A	CMW-2	03/12/98	0925		X			X				X	3			X				X	
01B					X				X			X		1			X			X	
01C					X							X		1				X	X	X	
02A	CMW-3	03/12/98	1040		X			X				X	3			X				X	
02B					X				X			X		1			X			X	
02C					X							X		1				X	X	X	
03A	CMW-3A	03/12/98	1050		X			X	X			X	3			X				X	
03B					X				X			X		1			X			X	
03C					X							X		1				X	X	X	
04A	CMW-1	03/12/98	1133		X			X				X	3			X				X	
04B					X				X			X		1			X			X	
04C					X							X		1				X	X	X	
05A	TB-110	03/12/98	0900				X	X				X	2			X				X	
Total number of Containers per analysis:													14	8							

LABORATORY INFORMATION: McKenzie; PHX, AZ; 9803110

REMARKS: Internal QA for VOA

Total No. of Containers: 23

Relinquished by:	Date	Time	Company	Received by:	Date	Time	Company
[signature]	3/12/98	1238	[illegible]	[signature]	12 March 1998	1238	McKenzie
Relinquished by:	Date	Time	Company	Received by:	Date	Time	Laboratory

INSTRUCTIONS

1. Fill out form completely except for shaded areas (lab use only); sign only after verified for completeness.
2. Complete in ballpoint pen. Draw one line through errors, initial and date correction.
3. Indicate number of sample containers in analysis request space; indicate choice with ✓ or x.
4. Note applicable preservatives, special instructions, and deviations from typical environmental samples.
5. Consult project QA documents for specific instructions.

Sample Receipt:

- ☒ No. of containers correct
- ☒ received good condition/cold
- ☐ custody seals secure
- ☒ conforms to COC document

Shipment Method: hand delivery

Send Results to: Jeff C. Yentes

☐ 225 SOUTH LAKE AVENUE, SUITE 403 PASADENA, CA 91101 (818) 583-8121

☐ 2223 AVENIDA DE LA PLAYA, SUITE 300 LA JOLLA, CA 92037 (619) 454-0165

☐ 1400 EAST SOUTHERN AVENUE, SUITE 600 TEMPE, AZ 85282 (602) 345-0888

☐ 1820 EAST RIVER ROAD, SUITE 100 TUCSON, AZ 85718 (520) 881-7300

[redacted]

ORIGINAL: LABORATORY YELLOW: QA MANAGER PINK: FIELD/TASK MANAGER

Del Mar Analytical

2852 Alton Ave., Irvine, CA 92606 (714) 261-1022 FAX (714) 261-1228
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SW Environmental Consultants
8900 N. Central Ave., Ste 201
Phoenix, AZ 85020
Attention: Vern Sorgee

Client Project ID: Christy Seqiu 9404101

Analysis Method: EPA 418.1 (I.R. with clean-up)
First Sample #: PHA00949

Sampled:	Jan 26, 1998
Received:	Jan 26, 1998
Extracted:	Jan 26, 1998
Analyzed:	Jan 26, 1998
Reported:	Jan 28, 1998

TOTAL RECOVERABLE PETROLEUM HYDROCARBONS (EPA 418.1)

Laboratory Number	Sample Description Water	Petroleum Hydrocarbons mg/L (ppm)
PHA00949	MW-2	9.3
PHA00950	MW-3	N.D.
PHA00951	MW-4	N.D.

Reporting Limit:	**1.0**

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Beth Price
Project Manager

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Del Mar Analytical

SW Environmental Consultants
8900 N. Central Ave., Ste 201
Phoenix, AZ 85020
Attention: Vern Sorgee

Client Project ID: Christy Seqiu 9404101

Sample Descript: Water, MW-2
Lab Number: PHA00949

Sampled: Jan 26, 1998
Received: Jan 26, 1998
Extracted: Feb 4, 1998
Analyzed: Feb 4, 1998
Reported: Feb 5, 1998

VOLATILE ORGANIC COMPOUNDS (EPA 502.2)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)	Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Benzene	**100**	**240**	**Ethylbenzene**	**100**	**2,100**
Bromobenzene	100	N.D.	Hexachlorobutadiene	100	N.D.
Bromochloromethane	100	N.D.	**Isopropylbenzene**	**100**	**200**
Bromodichloromethane	100	N.D.	p-Isopropyltoluene	100	N.D.
Bromoform	100	N.D.	Methylene chloride	100	N.D.
Bromomethane	100	N.D.	Napthalene	100	N.D.
n-Butylbenzene	**100**	**220**	n-Propylbenzene	100	N.D.
sec-Butylbenzene	100	N.D.	Styrene	100	N.D.
tert-Butylbenzene	100	N.D.	1,1,1,2-Tetrachloroethane	100	N.D.
Carbon tetrachloride	100	N.D.	1,1,2,2-Tetrachloroethane	100	N.D.
Chlorobenzene	100	N.D.	Tetrachloroethene	100	N.D.
Chloroethane	100	N.D.	**Toluene**	**100**	**5,200**
Chloroform	100	N.D.	1,2,3-Trichlorobenzene	100	N.D.
Chloromethane	100	N.D.	1,2,4-Trichlorobenzene	100	N.D.
2-Chlorotoluene	100	N.D.	1,1,1-Trichloroethane	100	N.D.
4-Chlorotoluene	100	N.D.	1,1,2-Trichloroethane	100	N.D.
Dibromochloromethane	100	N.D.	Trichloroethene	100	N.D.
1,2-Dibromo-3-chloropropane DBCP	100	N.D.	Trichlorofluoromethane	100	N.D.
1,2-Dibromoethane EDB	100	N.D.	1,2,3-Trichloropropane	100	N.D.
Dibromomethane	100	N.D.	**1,2,4-Trimethylbenzene**	**100**	**5,600**
1,2-Dichlorobenzene	100	N.D.	**1,3,5-Trimethylbenzene**	**100**	**1,600**
1,3-Dichlorobenzene	100	N.D.	Vinyl chloride	100	N.D.
1,4-Dichlorobenzene	100	N.D.	**o-Xylene**	**100**	**4,300**
Dichlorodifluoromethane	100	N.D.	**m,p-Xylenes**	**100**	**9,200**
1,1-Dichloroethane	100	N.D.			
1,2-Dichloroethane	100	N.D.			
1,1-Dichloroethene	100	N.D.			
cis-1,2-Dichloroethene	100	N.D.			
trans-1,2-Dichloroethene	100	N.D.			
1,2-Dichloropropane	100	N.D.			
1,3-Dichloropropane	100	N.D.			
2,2-Dichloropropane	100	N.D.			
1,1-Dichloropropene	100	N.D.			
cis-1,3-Dichloropropene	100	N.D.			
trans-1,3-Dichloropropene	100	N.D.			

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 200.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Beth Price
Project Manager

Surrogate Standard Recoveries:	
1-chloro-3-fluorobenzene	94%
aaa-Trifluorotoluene	105%

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Del Mar Analytical

SW Environmental Consultants
8900 N. Central Ave., Ste 201
Phoenix, AZ 85020
Attention: Vern Sorgee

Client Project ID: Christy Seqiu 9404101

Sample Descript: Water, MW-3
Lab Number: PHA00950

Sampled:	Jan 26, 1998
Received:	Jan 26, 1998
Extracted:	Feb 4, 1998
Analyzed:	Feb 4, 1998
Reported:	Feb 5, 1998

VOLATILE ORGANIC COMPOUNDS (EPA 502.2)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)	Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Benzene	1.3	N.D.	Ethylbenzene	1.3	N.D.
Bromobenzene	1.3	N.D.	Hexachlorobutadiene	1.3	N.D.
Bromochloromethane	1.3	N.D.	Isopropylbenzene	1.3	N.D.
Bromodichloromethane	1.3	N.D.	p-Isopropyltoluene	1.3	N.D.
Bromoform	1.3	N.D.	Methylene chloride	1.3	N.D.
Bromomethane	1.3	N.D.	Napthalene	1.3	N.D.
n-Butylbenzene	1.3	N.D.	n-Propylbenzene	1.3	N.D.
sec-Butylbenzene	1.3	N.D.	Styrene	1.3	N.D.
tert-Butylbenzene	1.3	N.D.	1,1,1,2-Tetrachloroethane	1.3	N.D.
Carbon tetrachloride	1.3	N.D.	1,1,2,2-Tetrachloroethane	1.3	N.D.
Chlorobenzene	1.3	N.D.	**Tetrachloroethene**	**1.3**	**37**
Chloroethane	1.3	N.D.	Toluene	1.3	N.D.
Chloroform	1.3	N.D.	1,2,3-Trichlorobenzene	1.3	N.D.
Chloromethane	1.3	N.D.	1,2,4-Trichlorobenzene	1.3	N.D.
2-Chlorotoluene	1.3	N.D.	1,1,1-Trichloroethane	1.3	N.D.
4-Chlorotoluene	1.3	N.D.	1,1,2-Trichloroethane	1.3	N.D.
Dibromochloromethane	1.3	N.D.	Trichloroethene	1.3	N.D.
1,2-Dibromo-3-chloropropane DBCP	1.3	N.D.	Trichlorofluoromethane	1.3	N.D.
1,2-Dibromoethane EDB	1.3	N.D.	1,2,3-Trichloropropane	1.3	N.D.
Dibromomethane	1.3	N.D.	1,2,4-Trimethylbenzene	1.3	N.D.
1,2-Dichlorobenzene	1.3	N.D.	1,3,5-Trimethylbenzene	1.3	N.D.
1,3-Dichlorobenzene	1.3	N.D.	Vinyl chloride	1.3	N.D.
1,4-Dichlorobenzene	1.3	N.D.	o-Xylene	1.3	N.D.
Dichlorodifluoromethane	1.3	N.D.	m,p-Xylenes	1.3	N.D.
1,1-Dichloroethane	1.3	N.D.			
1,2-Dichloroethane	1.3	N.D.			
1,1-Dichloroethene	1.3	N.D.			
cis-1,2-Dichloroethene	1.3	N.D.			
trans-1,2-Dichloroethene	1.3	N.D.			
1,2-Dichloropropane	1.3	N.D.			
1,3-Dichloropropane	1.3	N.D.			
2,2-Dichloropropane	1.3	N.D.			
1,1-Dichloropropene	1.3	N.D.			
cis-1,3-Dichloropropene	1.3	N.D.			
trans-1,3-Dichloropropene	1.3	N.D.			

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 2.5.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Beth Price
Project Manager

Surrogate Standard Recoveries:	
1-chloro-3-fluorobenzene	107%
aaa-Trifluorotoluene	98%

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Del Mar Analytical

SW Environmental Consultants
8900 N. Central Ave., Ste 201
Phoenix, AZ 85020
Attention: Vern Sorgee

Client Project ID: Christy Seqiu 9404101
Sample Descript: Water, MW-4
Lab Number: PHA00951

Sampled: Jan 26, 1998
Received: Jan 26, 1998
Extracted: Feb 4, 1998
Analyzed: Feb 4, 1998
Reported: Feb 5, 1998

VOLATILE ORGANIC COMPOUNDS (EPA 502.2)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)	Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Benzene	1.3	N.D.	Ethylbenzene	1.3	N.D.
Bromobenzene	1.3	N.D.	Hexachlorobutadiene	1.3	N.D.
Bromochloromethane	1.3	N.D.	Isopropylbenzene	1.3	N.D.
Bromodichloromethane	1.3	N.D.	p-Isopropyltoluene	1.3	N.D.
Bromoform	1.3	N.D.	Methylene chloride	1.3	N.D.
Bromomethane	1.3	N.D.	Napthalene	1.3	N.D.
n-Butylbenzene	1.3	N.D.	n-Propylbenzene	1.3	N.D.
sec-Butylbenzene	1.3	N.D.	Styrene	1.3	N.D.
tert-Butylbenzene	1.3	N.D.	1,1,1,2-Tetrachloroethane	1.3	N.D.
Carbon tetrachloride	1.3	N.D.	1,1,2,2-Tetrachloroethane	1.3	N.D.
Chlorobenzene	1.3	N.D.	**Tetrachloroethene**	**1.3**	**45**
Chloroethane	1.3	N.D.	Toluene	1.3	N.D.
Chloroform	1.3	N.D.	1,2,3-Trichlorobenzene	1.3	N.D.
Chloromethane	1.3	N.D.	1,2,4-Trichlorobenzene	1.3	N.D.
2-Chlorotoluene	1.3	N.D.	1,1,1-Trichloroethane	1.3	N.D.
4-Chlorotoluene	1.3	N.D.	1,1,2-Trichloroethane	1.3	N.D.
Dibromochloromethane	1.3	N.D.	Trichloroethene	1.3	N.D.
1,2-Dibromo-3-chloropropane DBCP	1.3	N.D.	Trichlorofluoromethane	1.3	N.D.
1,2-Dibromoethane EDB	1.3	N.D.	1,2,3-Trichloropropane	1.3	N.D.
Dibromomethane	1.3	N.D.	1,2,4-Trimethylbenzene	1.3	N.D.
1,2-Dichlorobenzene	1.3	N.D.	1,3,5-Trimethylbenzene	1.3	N.D.
1,3-Dichlorobenzene	1.3	N.D.	Vinyl chloride	1.3	N.D.
1,4-Dichlorobenzene	1.3	N.D.	o-Xylene	1.3	N.D.
Dichlorodifluoromethane	1.3	N.D.	m,p-Xylenes	1.3	N.D.
1,1-Dichloroethane	1.3	N.D.			
1,2-Dichloroethane	1.3	N.D.			
1,1-Dichloroethene	1.3	N.D.			
cis-1,2-Dichloroethene	1.3	N.D.			
trans-1,2-Dichloroethene	1.3	N.D.			
1,2-Dichloropropane	1.3	N.D.			
1,3-Dichloropropane	1.3	N.D.			
2,2-Dichloropropane	1.3	N.D.			
1,1-Dichloropropene	1.3	N.D.			
cis-1,3-Dichloropropene	1.3	N.D.			
trans-1,3-Dichloropropene	1.3	N.D.			

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 2.5.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Beth Price
Project Manager

Surrogate Standard Recoveries:	
1-chloro-3-fluorobenzene	116%
aaa-Trifluorotoluene	104%

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-3401

SW Environmental Consultants
8900 N. Central Ave., Ste 201
Phoenix, AZ 85020
Attention: Vern Sorgee

Client Project ID: Christy Seqiu 9404101

Sample Descript: Water, Trip Blank
Lab Number: PHA00952

Sampled: Jan 26, 1998
Received: Jan 26, 1998
Extracted: Jan 29, 1998
Analyzed: Jan 29, 1998
Reported: Feb 5, 1998

VOLATILE ORGANIC COMPOUNDS (EPA 502.2)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)	Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Benzene	0.50	N.D.	Ethylbenzene	0.50	N.D.
Bromobenzene	0.50	N.D.	Hexachlorobutadiene	0.50	N.D.
Bromochloromethane	0.50	N.D.	Isopropylbenzene	0.50	N.D.
Bromodichloromethane	0.50	N.D.	p-Isopropyltoluene	0.50	N.D.
Bromoform	0.50	N.D.	Methylene chloride	0.50	N.D.
Bromomethane	0.50	N.D.	Napthalene	0.50	N.D.
n-Butylbenzene	0.50	N.D.	n-Propylbenzene	0.50	N.D.
sec-Butylbenzene	0.50	N.D.	Styrene	0.50	N.D.
tert-Butylbenzene	0.50	N.D.	1,1,1,2-Tetrachloroethane	0.50	N.D.
Carbon tetrachloride	0.50	N.D.	1,1,2,2-Tetrachloroethane	0.50	N.D.
Chlorobenzene	0.50	N.D.	Tetrachloroethene	0.50	N.D.
Chloroethane	0.50	N.D.	Toluene	0.50	N.D.
Chloroform	0.50	N.D.	1,2,3-Trichlorobenzene	0.50	N.D.
Chloromethane	0.50	N.D.	1,2,4-Trichlorobenzene	0.50	N.D.
2-Chlorotoluene	0.50	N.D.	1,1,1-Trichloroethane	0.50	N.D.
4-Chlorotoluene	0.50	N.D.	1,1,2-Trichloroethane	0.50	N.D.
Dibromochloromethane	0.50	N.D.	Trichloroethene	0.50	N.D.
1,2-Dibromo-3-chloropropane DBCP	0.50	N.D.	Trichlorofluoromethane	0.50	N.D.
1,2-Dibromoethane EDB	0.50	N.D.	1,2,3-Trichloropropane	0.50	N.D.
Dibromomethane	0.50	N.D.	1,2,4-Trimethylbenzene	0.50	N.D.
1,2-Dichlorobenzene	0.50	N.D.	1,3,5-Trimethylbenzene	0.50	N.D.
1,3-Dichlorobenzene	0.50	N.D.	Vinyl chloride	0.50	N.D.
1,4-Dichlorobenzene	0.50	N.D.	o-Xylene	0.50	N.D.
Dichlorodifluoromethane	0.50	N.D.	m,p-Xylenes	0.50	N.D.
1,1-Dichloroethane	0.50	N.D.			
1,2-Dichloroethane	0.50	N.D.			
1,1-Dichloroethene	0.50	N.D.			
cis-1,2-Dichloroethene	0.50	N.D.			
trans-1,2-Dichloroethene	0.50	N.D.			
1,2-Dichloropropane	0.50	N.D.			
1,3-Dichloropropane	0.50	N.D.			
2,2-Dichloropropane	0.50	N.D.			
1,1-Dichloropropene	0.50	N.D.			
cis-1,3-Dichloropropene	0.50	N.D.			
trans-1,3-Dichloropropene	0.50	N.D.			

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Beth Price
Project Manager

Surrogate Standard Recoveries:	
1-chloro-3-fluorobenzene	95%
aaa-Trifluorotoluene	95%

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-3401

SW Environmental Consultants
8900 N. Central Ave., Ste 201
Phoenix, AZ 85020
Attention: Vern Sorgee

Method Blank

Extracted: Jan 26, 1998
Analyzed: Jan 26, 1998
Reported: Jan 28, 1998
Matrix: Water

TOTAL RECOVERABLE PETROLEUM HYDROCARBONS (EPA 418.1)

Laboratory Description	Petroleum Hydrocarbons mg/L (ppm)
Method Blank	N.D.

Reporting Limit:	1.0

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Beth Price
Project Manager

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-3477

SW Environmental Consultants
8900 N. Central Ave., Ste 201
Phoenix, AZ 85020
Attention: Vern Sorgee

Method Blank

Extracted: Jan 29, 1998
Analyzed: Jan 29, 1998
Reported: Feb 5, 1998
Matrix: Water

VOLATILE ORGANIC COMPOUNDS (EPA 502.2)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)	Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Benzene	0.50	N.D.	Ethylbenzene	0.50	N.D.
Bromobenzene	0.50	N.D.	Hexachlorobutadiene	0.50	N.D.
Bromochloromethane	0.50	N.D.	Isopropylbenzene	0.50	N.D.
Bromodichloromethane	0.50	N.D.	p-Isopropyltoluene	0.50	N.D.
Bromoform	0.50	N.D.	Methylene chloride	0.50	N.D.
Bromomethane	0.50	N.D.	Naphthalene	0.50	N.D.
n-Butylbenzene	0.50	N.D.	n-Propylbenzene	0.50	N.D.
sec-Butylbenzene	0.50	N.D.	Styrene	0.50	N.D.
tert-Butylbenzene	0.50	N.D.	1,1,1,2-Tetrachloroethane	0.50	N.D.
Carbon tetrachloride	0.50	N.D.	1,1,2,2-Tetrachloroethane	0.50	N.D.
Chlorobenzene	0.50	N.D.	Tetrachloroethene	0.50	N.D.
Chloroethane	0.50	N.D.	Toluene	0.50	N.D.
Chloroform	0.50	N.D.	1,2,3-Trichlorobenzene	0.50	N.D.
Chloromethane	0.50	N.D.	1,2,4-Trichlorobenzene	0.50	N.D.
2-Chlorotoluene	0.50	N.D.	1,1,1-Trichloroethane	0.50	N.D.
4-Chlorotoluene	0.50	N.D.	1,1,2-Trichloroethane	0.50	N.D.
Dibromochloromethane	0.50	N.D.	Trichloroethene	0.50	N.D.
1,2-Dibromo-3-chloropropane DBCP	0.50	N.D.	Trichlorofluoromethane	0.50	N.D.
1,2-Dibromoethane EDB	0.50	N.D.	1,2,3-Trichloropropane	0.50	N.D.
Dibromomethane	0.50	N.D.	1,2,4-Trimethylbenzene	0.50	N.D.
1,2-Dichlorobenzene	0.50	N.D.	1,3,5-Trimethylbenzene	0.50	N.D.
1,3-Dichlorobenzene	0.50	N.D.	Vinyl chloride	0.50	N.D.
1,4-Dichlorobenzene	0.50	N.D.	o-Xylene	0.50	N.D.
Dichlorodifluoromethane	0.50	N.D.	m,p-Xylenes	0.50	N.D.
1,1-Dichloroethane	0.50	N.D.			
1,2-Dichloroethane	0.50	N.D.			
1,1-Dichloroethene	0.50	N.D.			
cis-1,2-Dichloroethene	0.50	N.D.			
trans-1,2-Dichloroethene	0.50	N.D.			
1,2-Dichloropropane	0.50	N.D.			
1,3-Dichloropropane	0.50	N.D.			
2,2-Dichloropropane	0.50	N.D.			
1,1-Dichloropropene	0.50	N.D.			
cis-1,3-Dichloropropene	0.50	N.D.			
trans-1,3-Dichloropropene	0.50	N.D.			

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Beth Price
Project Manager

Surrogate Standard Recoveries:	
1-chloro-3-fluorobenzene	94%
aaa-Trifluorotoluene	93%

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-3401

SW Environmental Consultants
8900 N. Central Ave., Ste 201
Phoenix, AZ 85020
Attention: Vern Sorgee

Method Blank

Extracted: Feb 4, 1998
Analyzed: Feb 4, 1998
Reported: Feb 5, 1998
Matrix: Water

VOLATILE ORGANIC COMPOUNDS (EPA 502.2)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)	Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Benzene	0.50	N.D.	Ethylbenzene	0.50	N.D.
Bromobenzene	0.50	N.D.	Hexachlorobutadiene	0.50	N.D.
Bromochloromethane	0.50	N.D.	Isopropylbenzene	0.50	N.D.
Bromodichloromethane	0.50	N.D.	p-Isopropyltoluene	0.50	N.D.
Bromoform	0.50	N.D.	Methylene chloride	0.50	N.D.
Bromomethane	0.50	N.D.	Naphthalene	0.50	N.D.
n-Butylbenzene	0.50	N.D.	n-Propylbenzene	0.50	N.D.
sec-Butylbenzene	0.50	N.D.	Styrene	0.50	N.D.
tert-Butylbenzene	0.50	N.D.	1,1,1,2-Tetrachloroethane	0.50	N.D.
Carbon tetrachloride	0.50	N.D.	1,1,2,2-Tetrachloroethane	0.50	N.D.
Chlorobenzene	0.50	N.D.	Tetrachloroethene	0.50	N.D.
Chloroethane	0.50	N.D.	Toluene	0.50	N.D.
Chloroform	0.50	N.D.	1,2,3-Trichlorobenzene	0.50	N.D.
Chloromethane	0.50	N.D.	1,2,4-Trichlorobenzene	0.50	N.D.
2-Chlorotoluene	0.50	N.D.	1,1,1-Trichloroethane	0.50	N.D.
4-Chlorotoluene	0.50	N.D.	1,1,2-Trichloroethane	0.50	N.D.
Dibromochloromethane	0.50	N.D.	Trichloroethene	0.50	N.D.
1,2-Dibromo-3-chloropropane DBCP	0.50	N.D.	Trichlorofluoromethane	0.50	N.D.
1,2-Dibromoethane EDB	0.50	N.D.	1,2,3-Trichloropropane	0.50	N.D.
Dibromomethane	0.50	N.D.	1,2,4-Trimethylbenzene	0.50	N.D.
1,2-Dichlorobenzene	0.50	N.D.	1,3,5-Trimethylbenzene	0.50	N.D.
1,3-Dichlorobenzene	0.50	N.D.	Vinyl chloride	0.50	N.D.
1,4-Dichlorobenzene	0.50	N.D.	o-Xylene	0.50	N.D.
Dichlorodifluoromethane	0.50	N.D.	m,p-Xylenes	0.50	N.D.
1,1-Dichloroethane	0.50	N.D.			
1,2-Dichloroethane	0.50	N.D.			
1,1-Dichloroethene	0.50	N.D.			
cis-1,2-Dichloroethene	0.50	N.D.			
trans-1,2-Dichloroethene	0.50	N.D.			
1,2-Dichloropropane	0.50	N.D.			
1,3-Dichloropropane	0.50	N.D.			
2,2-Dichloropropane	0.50	N.D.			
1,1-Dichloropropene	0.50	N.D.			
cis-1,3-Dichloropropene	0.50	N.D.			
trans-1,3-Dichloropropene	0.50	N.D.			

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Beth Price
Project Manager

Surrogate Standard Recoveries:	
1-chloro-3-fluorobenzene	92%
aaa-Trifluorotoluene	95%

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-3401

MS/MSD DATA REPORT

EPA METHOD: 418.1
Matrix: Water

DATE: 1/26/98

SAMPLE # BS012698

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppm	ppm	ppm	ppm	%	%	%	%
Hydrocarbons	0	6.0	5.5	5.5	92%	92%	0%	92%

Definition of Terms:

R1. . . . . Result of Sample Analysis

Sp. . . . . Spike Concentration Added to Sample

MS. . . . . Matrix Spike Result

MSD. . . . . Matrix Spike Duplicate Result

PR1. . . . . Percent Recovery of MS; ((MS-R1) / SP) X 100

PR2. . . . . Percent Recovery of MSD; ((MSD-R1) / SP) X 100

RPD. . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

Del Mar Analytical

QA/QC CRITERIA: All QA/QC was within acceptance limits.

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LCS DATA REPORT

EPA Method 502.2

Matrix: Water

Date: 02/04/98

Batch #: HB045A1W

Analyte	Spike Conc.	Result	% Recovery	ACP
Benzene	5.0	4.7	94	80 - 120 %
Chloroform	5.0	4.8	97	80 - 120 %
1,1-Dichloroethane	5.0	4.5	90	80 - 120 %
1,2-Dichloroethane	5.0	5.0	99	80 - 120 %
1,1-Dichloroethene	5.0	4.5	90	80 - 120 %
Tetrachloroethene	5.0	5.2	103	80 - 120 %
Toluene	5.0	5.0	100	80 - 120 %
Trichloroethene	5.0	5.5	110	80 - 120 %

Definition of Terms

LCS ..... Laboratory Control Sample

Spike Conc ..... Result of Sample Analysis

Result ..... Result of Laboratory Control Sample Analysis

%Recovery ..... Percent Recovery of LCS; ((Result - Spike Conc.) / Spike Conc.) X 100

ACP ..... Acceptance Limits for Percent Recovery by EPA Method 502.2

Del Mar Analytical

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-3413

LCS DATA REPORT

EPA Method 502.2

Matrix: Water

Date: 01/29/98

Batch #: HA29121W

Analyte	Spike Conc.	Result	% Recovery	ACP
Benzene	5.0	4.6	92	80 - 120 %
Chloroform	5.0	5.8	116	80 - 120 %
1,1-Dichloroethane	5.0	5.2	105	80 - 120 %
1,2-Dichloroethane	5.0	5.1	103	80 - 120 %
1,1-Dichloroethene	5.0	4.9	97	80 - 120 %
Tetrachloroethene	5.0	5.5	111	80 - 120 %
Toluene	5.0	5.0	100	80 - 120 %
Trichloroethene	5.0	5.5	110	80 - 120 %

Definition of Terms

LCS ..... Laboratory Control Sample
Spike Conc ..... Result of Sample Analysis
Result ..... Result of Laboratory Control Sample Analysis
%Recovery ..... Percent Recovery of LCS; ((Result - Spike Conc.) / Spike Conc.) X 100
ACP ..... Acceptance Limits for Percent Recovery by EPA Method 502.2

Del Mar Analytical

Del Mar Analytical
2852 Alton Ave., Irvine, CA 92714 (714) 261-1022 FAX (714) 261-1228
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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-1338

CHAIN OF CUSTODY FORM

Client Name/Address: SW Envr. Consultants, Inc. 8900 N. Central Ave Ste 201 Phx, AZ 85020

Project/PO Number: Christy Sogin 9404N

Project Manager/Phone Number: Vern Sorgee 331-9567 Fax 331-9578

Sampler: Vern Sorgee

Analysis Required

Sample Description	Sample Matrix	Container Type	#of Cont	Sampling Date/Time	Preservatives	EPA 418.1	EPA 502.2								Special Instructions
MW-2	vole	Amber Voa	3	1/26/98 11:15	ICE & HCL	X	X								heavy gasoline odor
MW-3			3	1/26/98 09:30		X	X								
MW-4			3	1/26/98 10:30		X	X								
trip blank		Voa	1	1/26/98 09:30			X								

Lust Site

Relinquished By:	Date /Time:	Received by:	Date /Time:
Vernon Sorgee	1/26/98 12 NOON		
Relinquished By:	Date /Time:	Received by:	Date /Time:
	MW-2		
Relinquished By:	Date /Time:	Received in Lab by:	Date /Time:
		K. Echo	1/26/98 12 NOON

Turnaround Time: (check)
same day ____ 72 hours ____
24 hours ____ 5 days ____
48 hours ____ normal X

Sample Integrity: (Check)
intact X on ice X

Columbia Analytical Services, Inc.

March 10, 1998

Waseem Khan
Miller Brooks Environmental
7319 N. 16th St., Suite 101
Phoenix, AZ 85020

Re: Circle K #0608 / Project #03-154-0608-22

Dear Waseem:

Enclosed are the results of the samples submitted to our laboratory on March 4, 1998. For your reference, these analyses have been assigned our service request number X9801212.

All analyses were performed according to our laboratory's quality assurance program. All results are intended to be considered in their entirety, and Columbia Analytical Services, Inc. (CAS) is not responsible for use of less than the complete report. Results apply only to the samples analyzed. Columbia Analytical Services, Inc. is certified for environmental analyses by the Arizona Department of Health Services (Certificate #AZ0497).

Please call if you have any questions. My extension is 12.

Respectfully submitted,

Columbia Analytical Services, Inc.

Tracy L Dutton

Tracy L. Dutton
Project Chemist

TLD/lm

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	TOSCO	**Service Request:**	X9801212
Project:	Circle K #0608/#03-154-0608-22	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA

Volatile Organic Compounds

Sample Name:	Method Blank	Units:	ug/L (ppb)
Lab Code:	X980306-MB	Basis:	NA
Test Notes:	†		

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Benzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Bromobenzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Bromochloromethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Bromodichloromethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Bromoform	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Bromomethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
n-Butylbenzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
sec-Butylbenzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
tert-Butylbenzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Carbon Tetrachloride	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Chlorobenzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Chloroethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Chloroform	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Chloromethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
2-Chlorotoluene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
4-Chlorotoluene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Dibromochloromethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,2-Dibromo-3-chloropropane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,2-Dibromoethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Dibromomethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,2-Dichlorobenzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,3-Dichlorobenzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,4-Dichlorobenzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Dichlorodifluoromethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,1-Dichloroethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,1-Dichloroethene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,2-Dichloroethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
cis-1,2-Dichloroethene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
trans-1,2-Dichloroethene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,2-Dichloropropane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,3-Dichloropropane	METHOD	524.2	0.5	1	NA	3/6/98	ND	

† As stated in the Site Characterization Guidance and Report Form (Rev. Feb. 1995), the Arizona Department of Environmental Quality has approved EPA Method 524.2 as a substitute for EPA Methods 503.1 and 502.2.

Approved By: JHD Date: 3-10-98

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	TOSCO	**Service Request:**	X9801212
Project:	Circle K #0608/#03-154-0608-22	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA

Volatile Organic Compounds

Sample Name:	Method Blank	Units:	ug/L (ppb)
Lab Code:	X980306-MB	Basis:	NA
Test Notes:	†		

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
2,2-Dichloropropane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,1-Dichloropropene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
cis-1,3-Dichloropropene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
trans-1,3-Dichloropropene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Ethylbenzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Hexachlorobutadiene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Isopropylbenzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
4-Isopropyltoluene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Methylene chloride	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Naphthalene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
n-Propylbenzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Styrene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,1,1,2-Tetrachloroethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,1,2,2-Tetrachloroethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Tetrachloroethene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Toluene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,2,3-Trichlorobenzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,2,4-Trichlorobenzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,1,1-Trichloroethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,1,2-Trichloroethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Trichloroethene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Trichlorofluoromethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,2,3-Trichloropropane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,2,4-Trimethylbenzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,3,5-Trimethylbenzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Vinyl chloride	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Total Xylenes	METHOD	524.2	0.5	1	NA	3/6/98	ND	

† As stated in the Site Characterization Guidance and Report Form (Rev. Feb. 1995), the Arizona Department of Environmental Quality has approved EPA Method 524.2 as a substitute for EPA Methods 503.1 and 502.2.

Approved By: JH Date: 3-10-98

1S2p/020597p

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	TOSCO	**Service Request:**	X9801212
Project:	Circle K #0608/#03-154-0608-22	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA

Volatile Organic Compounds

Sample Name:	Method Blank	Units:	ug/L (ppb)
Lab Code:	X980309-MB	Basis:	NA
Test Notes:	†		

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Benzene	METHOD	524.2	0.5	1	NA	3/9/98	ND	
Bromobenzene	METHOD	524.2	0.5	1	NA	3/9/98	ND	
Bromochloromethane	METHOD	524.2	0.5	1	NA	3/9/98	ND	
Bromodichloromethane	METHOD	524.2	0.5	1	NA	3/9/98	ND	
Bromoform	METHOD	524.2	0.5	1	NA	3/9/98	ND	
Bromomethane	METHOD	524.2	0.5	1	NA	3/9/98	ND	
n-Butylbenzene	METHOD	524.2	0.5	1	NA	3/9/98	ND	
sec-Butylbenzene	METHOD	524.2	0.5	1	NA	3/9/98	ND	
tert-Butylbenzene	METHOD	524.2	0.5	1	NA	3/9/98	ND	
Carbon Tetrachloride	METHOD	524.2	0.5	1	NA	3/9/98	ND	
Chlorobenzene	METHOD	524.2	0.5	1	NA	3/9/98	ND	
Chloroethane	METHOD	524.2	0.5	1	NA	3/9/98	ND	
Chloroform	METHOD	524.2	0.5	1	NA	3/9/98	ND	
Chloromethane	METHOD	524.2	0.5	1	NA	3/9/98	ND	
2-Chlorotoluene	METHOD	524.2	0.5	1	NA	3/9/98	ND	
4-Chlorotoluene	METHOD	524.2	0.5	1	NA	3/9/98	ND	
Dibromochloromethane	METHOD	524.2	0.5	1	NA	3/9/98	ND	
1,2-Dibromo-3-chloropropane	METHOD	524.2	0.5	1	NA	3/9/98	ND	
1,2-Dibromoethane	METHOD	524.2	0.5	1	NA	3/9/98	ND	
Dibromomethane	METHOD	524.2	0.5	1	NA	3/9/98	ND	
1,2-Dichlorobenzene	METHOD	524.2	0.5	1	NA	3/9/98	ND	
1,3-Dichlorobenzene	METHOD	524.2	0.5	1	NA	3/9/98	ND	
1,4-Dichlorobenzene	METHOD	524.2	0.5	1	NA	3/9/98	ND	
Dichlorodifluoromethane	METHOD	524.2	0.5	1	NA	3/9/98	ND	
1,1-Dichloroethane	METHOD	524.2	0.5	1	NA	3/9/98	ND	
1,1-Dichloroethene	METHOD	524.2	0.5	1	NA	3/9/98	ND	
1,2-Dichloroethane	METHOD	524.2	0.5	1	NA	3/9/98	ND	
cis-1,2-Dichloroethene	METHOD	524.2	0.5	1	NA	3/9/98	ND	
trans-1,2-Dichloroethene	METHOD	524.2	0.5	1	NA	3/9/98	ND	
1,2-Dichloropropane	METHOD	524.2	0.5	1	NA	3/9/98	ND	
1,3-Dichloropropane	METHOD	524.2	0.5	1	NA	3/9/98	ND	

† As stated in the Site Characterization Guidance and Report Form (Rev. Feb. 1995), the Arizona Department of Environmental Quality has approved EPA Method 524.2 as a substitute for EPA Methods 503.1 and 502.2.

Approved By: _____ Date: 3-10-98

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	TOSCO	**Service Request:**	X9801212
Project:	Circle K #0608/#03-154-0608-22	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA

Volatile Organic Compounds

Sample Name:	Method Blank	Units:	ug/L (ppb)
Lab Code:	X980309-MB	Basis:	NA
Test Notes:	†		

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
2,2-Dichloropropane	METHOD	524.2	0.5	1	NA	3/9/98	ND	
1,1-Dichloropropene	METHOD	524.2	0.5	1	NA	3/9/98	ND	
cis-1,3-Dichloropropene	METHOD	524.2	0.5	1	NA	3/9/98	ND	
trans-1,3-Dichloropropene	METHOD	524.2	0.5	1	NA	3/9/98	ND	
Ethylbenzene	METHOD	524.2	0.5	1	NA	3/9/98	ND	
Hexachlorobutadiene	METHOD	524.2	0.5	1	NA	3/9/98	ND	
Isopropylbenzene	METHOD	524.2	0.5	1	NA	3/9/98	ND	
4-Isopropyltoluene	METHOD	524.2	0.5	1	NA	3/9/98	ND	
Methylene chloride	METHOD	524.2	0.5	1	NA	3/9/98	ND	
Naphthalene	METHOD	524.2	0.5	1	NA	3/9/98	ND	
n-Propylbenzene	METHOD	524.2	0.5	1	NA	3/9/98	ND	
Styrene	METHOD	524.2	0.5	1	NA	3/9/98	ND	
1,1,1,2-Tetrachloroethane	METHOD	524.2	0.5	1	NA	3/9/98	ND	
1,1,2,2-Tetrachloroethane	METHOD	524.2	0.5	1	NA	3/9/98	ND	
Tetrachloroethene	METHOD	524.2	0.5	1	NA	3/9/98	ND	
Toluene	METHOD	524.2	0.5	1	NA	3/9/98	ND	
1,2,3-Trichlorobenzene	METHOD	524.2	0.5	1	NA	3/9/98	ND	
1,2,4-Trichlorobenzene	METHOD	524.2	0.5	1	NA	3/9/98	ND	
1,1,1-Trichloroethane	METHOD	524.2	0.5	1	NA	3/9/98	ND	
1,1,2-Trichloroethane	METHOD	524.2	0.5	1	NA	3/9/98	ND	
Trichloroethene	METHOD	524.2	0.5	1	NA	3/9/98	ND	
Trichlorofluoromethane	METHOD	524.2	0.5	1	NA	3/9/98	ND	
1,2,3-Trichloropropane	METHOD	524.2	0.5	1	NA	3/9/98	ND	
1,2,4-Trimethylbenzene	METHOD	524.2	0.5	1	NA	3/9/98	ND	
1,3,5-Trimethylbenzene	METHOD	524.2	0.5	1	NA	3/9/98	ND	
Vinyl chloride	METHOD	524.2	0.5	1	NA	3/9/98	ND	
Total Xylenes	METHOD	524.2	0.5	1	NA	3/9/98	ND	

† As stated in the Site Characterization Guidance and Report Form (Rev. Feb. 1995), the Arizona Department of Environmental Quality has approved EPA Method 524.2 as a substitute for EPA Methods 503.1 and 502.2.

Approved By: JHD Date: 3-10-98

1S2p/020597p

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	TOSCO	**Service Request:**	X9801212
Project:	Circle K #0608/#03-154-0608-22	**Date Collected:**	3/4/98
Sample Matrix:	Water	**Date Received:**	3/4/98

Volatile Organic Compounds

Sample Name:	MW-1	Units:	ug/L (ppb)
Lab Code:	X9801212-001	Basis:	NA
Test Notes:	†		

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Benzene	METHOD	524.2	0.5	1	NA	3/9/98	27	
Bromobenzene	METHOD	524.2	0.5	1	NA	3/9/98	ND	
Bromochloromethane	METHOD	524.2	0.5	1	NA	3/9/98	ND	
Bromodichloromethane	METHOD	524.2	0.5	1	NA	3/9/98	ND	
Bromoform	METHOD	524.2	0.5	1	NA	3/9/98	ND	
Bromomethane	METHOD	524.2	0.5	1	NA	3/9/98	ND	
n-Butylbenzene	METHOD	524.2	0.5	1	NA	3/9/98	ND	
sec-Butylbenzene	METHOD	524.2	0.5	1	NA	3/9/98	0.8	
tert-Butylbenzene	METHOD	524.2	0.5	1	NA	3/9/98	ND	
Carbon Tetrachloride	METHOD	524.2	0.5	1	NA	3/9/98	ND	
Chlorobenzene	METHOD	524.2	0.5	1	NA	3/9/98	ND	
Chloroethane	METHOD	524.2	0.5	1	NA	3/9/98	ND	
Chloroform	METHOD	524.2	0.5	1	NA	3/9/98	ND	
Chloromethane	METHOD	524.2	0.5	1	NA	3/9/98	ND	
2-Chlorotoluene	METHOD	524.2	0.5	1	NA	3/9/98	ND	
4-Chlorotoluene	METHOD	524.2	0.5	1	NA	3/9/98	ND	
Dibromochloromethane	METHOD	524.2	0.5	1	NA	3/9/98	ND	
1,2-Dibromo-3-chloropropane	METHOD	524.2	0.5	1	NA	3/9/98	ND	
1,2-Dibromoethane	METHOD	524.2	0.5	1	NA	3/9/98	ND	
Dibromomethane	METHOD	524.2	0.5	1	NA	3/9/98	ND	
1,2-Dichlorobenzene	METHOD	524.2	0.5	1	NA	3/9/98	ND	
1,3-Dichlorobenzene	METHOD	524.2	0.5	1	NA	3/9/98	ND	
1,4-Dichlorobenzene	METHOD	524.2	0.5	1	NA	3/9/98	ND	
Dichlorodifluoromethane	METHOD	524.2	0.5	1	NA	3/9/98	ND	
1,1-Dichloroethane	METHOD	524.2	0.5	1	NA	3/9/98	ND	
1,1-Dichloroethene	METHOD	524.2	0.5	1	NA	3/9/98	ND	
1,2-Dichloroethane	METHOD	524.2	0.5	1	NA	3/9/98	0.5	
cis-1,2-Dichloroethene	METHOD	524.2	0.5	1	NA	3/9/98	1.1	
trans-1,2-Dichloroethene	METHOD	524.2	0.5	1	NA	3/9/98	ND	
1,2-Dichloropropane	METHOD	524.2	0.5	1	NA	3/9/98	ND	
1,3-Dichloropropane	METHOD	524.2	0.5	1	NA	3/9/98	ND	

† As stated in the Site Characterization Guidance and Report Form (Rev. Feb. 1995), the Arizona Department of Environmental Quality has approved EPA Method 524.2 as a substitute for EPA Methods 503.1 and 502.2.

Approved By: JH Date: 3-10-98

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	TOSCO	**Service Request:**	X9801212
Project:	Circle K #0608/#03-154-0608-22	**Date Collected:**	3/4/98
Sample Matrix:	Water	**Date Received:**	3/4/98

Volatile Organic Compounds

Sample Name:	MW-1	Units:	ug/L (ppb)
Lab Code:	X9801212-001	Basis:	NA
Test Notes:	†		

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
2,2-Dichloropropane	METHOD	524.2	0.5	1	NA	3/9/98	ND	
1,1-Dichloropropene	METHOD	524.2	0.5	1	NA	3/9/98	ND	
cis-1,3-Dichloropropene	METHOD	524.2	0.5	1	NA	3/9/98	ND	
trans-1,3-Dichloropropene	METHOD	524.2	0.5	1	NA	3/9/98	ND	
Ethylbenzene	METHOD	524.2	0.5	1	NA	3/9/98	2.9	
Hexachlorobutadiene	METHOD	524.2	0.5	1	NA	3/9/98	ND	
Isopropylbenzene	METHOD	524.2	0.5	1	NA	3/9/98	1.6	
4-Isopropyltoluene	METHOD	524.2	0.5	1	NA	3/9/98	ND	
Methylene chloride	METHOD	524.2	0.5	1	NA	3/9/98	ND	
Naphthalene	METHOD	524.2	0.5	1	NA	3/9/98	0.6	
n-Propylbenzene	METHOD	524.2	0.5	1	NA	3/9/98	0.9	
Styrene	METHOD	524.2	0.5	1	NA	3/9/98	ND	
1,1,1,2-Tetrachloroethane	METHOD	524.2	0.5	1	NA	3/9/98	ND	
1,1,2,2-Tetrachloroethane	METHOD	524.2	0.5	1	NA	3/9/98	ND	
Tetrachloroethene	METHOD	524.2	0.5	1	NA	3/9/98	2.5	
Toluene	METHOD	524.2	0.5	1	NA	3/9/98	ND	
1,2,3-Trichlorobenzene	METHOD	524.2	0.5	1	NA	3/9/98	ND	
1,2,4-Trichlorobenzene	METHOD	524.2	0.5	1	NA	3/9/98	ND	
1,1,1-Trichloroethane	METHOD	524.2	0.5	1	NA	3/9/98	ND	
1,1,2-Trichloroethane	METHOD	524.2	0.5	1	NA	3/9/98	ND	
Trichloroethene	METHOD	524.2	0.5	1	NA	3/9/98	5.3	
Trichlorofluoromethane	METHOD	524.2	0.5	1	NA	3/9/98	ND	
1,2,3-Trichloropropane	METHOD	524.2	0.5	1	NA	3/9/98	ND	
1,2,4-Trimethylbenzene	METHOD	524.2	0.5	1	NA	3/9/98	ND	
1,3,5-Trimethylbenzene	METHOD	524.2	0.5	1	NA	3/9/98	ND	
Vinyl chloride	METHOD	524.2	0.5	1	NA	3/9/98	ND	
Total Xylenes	METHOD	524.2	0.5	1	NA	3/9/98	1.5	

† As stated in the Site Characterization Guidance and Report Form (Rev. Feb. 1995), the Arizona Department of Environmental Quality has approved EPA Method 524.2 as a substitute for EPA Methods 503.1 and 502.2.

Approved By: JHD Date: 3-10-98

1S2p/020597p

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	TOSCO	**Service Request:**	X9801212
Project:	Circle K #0608/#03-154-0608-22	**Date Collected:**	3/4/98
Sample Matrix:	Water	**Date Received:**	3/4/98

Volatile Organic Compounds

Sample Name:	MW-2	Units:	ug/L (ppb)
Lab Code:	X9801212-002	Basis:	NA
Test Notes:	†		

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Benzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Bromobenzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Bromochloromethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Bromodichloromethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Bromoform	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Bromomethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
n-Butylbenzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
sec-Butylbenzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
tert-Butylbenzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Carbon Tetrachloride	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Chlorobenzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Chloroethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Chloroform	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Chloromethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
2-Chlorotoluene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
4-Chlorotoluene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Dibromochloromethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,2-Dibromo-3-chloropropane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,2-Dibromoethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Dibromomethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,2-Dichlorobenzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,3-Dichlorobenzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,4-Dichlorobenzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Dichlorodifluoromethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,1-Dichloroethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,1-Dichloroethene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,2-Dichloroethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
cis-1,2-Dichloroethene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
trans-1,2-Dichloroethene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,2-Dichloropropane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,3-Dichloropropane	METHOD	524.2	0.5	1	NA	3/6/98	ND	

† As stated in the Site Characterization Guidance and Report Form (Rev. Feb. 1995), the Arizona Department of Environmental Quality has approved EPA Method 524.2 as a substitute for EPA Methods 503.1 and 502.2.

Approved By: JHD Date: 3-10-98

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	TOSCO	**Service Request:**	X9801212
Project:	Circle K #0608/#03-154-0608-22	**Date Collected:**	3/4/98
Sample Matrix:	Water	**Date Received:**	3/4/98

Volatile Organic Compounds

Sample Name:	MW-2	Units:	ug/L (ppb)
Lab Code:	X9801212-002	Basis:	NA
Test Notes:	†		

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
2,2-Dichloropropane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,1-Dichloropropene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
cis-1,3-Dichloropropene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
trans-1,3-Dichloropropene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Ethylbenzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Hexachlorobutadiene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Isopropylbenzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
4-Isopropyltoluene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Methylene chloride	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Naphthalene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
n-Propylbenzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Styrene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,1,1,2-Tetrachloroethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,1,2,2-Tetrachloroethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Tetrachloroethene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Toluene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,2,3-Trichlorobenzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,2,4-Trichlorobenzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,1,1-Trichloroethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,1,2-Trichloroethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Trichloroethene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Trichlorofluoromethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,2,3-Trichloropropane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,2,4-Trimethylbenzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,3,5-Trimethylbenzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Vinyl chloride	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Total Xylenes	METHOD	524.2	0.5	1	NA	3/6/98	ND	

† As stated in the Site Characterization Guidance and Report Form (Rev. Feb. 1995), the Arizona Department of Environmental Quality has approved EPA Method 524.2 as a substitute for EPA Methods 503.1 and 502.2.

Approved By: JH Date: 3-10-98

1S2p/020597p

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	TOSCO	**Service Request:**	X9801212
Project:	Circle K #0608/#03-154-0608-22	**Date Collected:**	3/4/98
Sample Matrix:	Water	**Date Received:**	3/4/98

Volatile Organic Compounds

Sample Name:	MW-3	Units:	ug/L (ppb)
Lab Code:	X9801212-003	Basis:	NA
Test Notes:	†		

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Benzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Bromobenzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Bromochloromethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Bromodichloromethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Bromoform	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Bromomethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
n-Butylbenzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
sec-Butylbenzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
tert-Butylbenzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Carbon Tetrachloride	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Chlorobenzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Chloroethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Chloroform	METHOD	524.2	0.5	1	NA	3/6/98	1.9	
Chloromethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
2-Chlorotoluene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
4-Chlorotoluene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Dibromochloromethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,2-Dibromo-3-chloropropane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,2-Dibromoethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Dibromomethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,2-Dichlorobenzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,3-Dichlorobenzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,4-Dichlorobenzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Dichlorodifluoromethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,1-Dichloroethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,1-Dichloroethene	METHOD	524.2	0.5	1	NA	3/6/98	0.9	
1,2-Dichloroethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
cis-1,2-Dichloroethene	METHOD	524.2	0.5	1	NA	3/6/98	1.3	
trans-1,2-Dichloroethene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,2-Dichloropropane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,3-Dichloropropane	METHOD	524.2	0.5	1	NA	3/6/98	ND	

† As stated in the Site Characterization Guidance and Report Form (Rev. Feb. 1995), the Arizona Department of Environmental Quality has approved EPA Method 524.2 as a substitute for EPA Methods 503.1 and 502.2.

Approved By: JJO Date: 3-10-98

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	TOSCO	**Service Request:**	X9801212
Project:	Circle K #0608/#03-154-0608-22	**Date Collected:**	3/4/98
Sample Matrix:	Water	**Date Received:**	3/4/98

Volatile Organic Compounds

Sample Name:	MW-3	Units:	ug/L (ppb)
Lab Code:	X9801212-003	Basis:	NA
Test Notes:	†		

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
2,2-Dichloropropane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,1-Dichloropropene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
cis-1,3-Dichloropropene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
trans-1,3-Dichloropropene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Ethylbenzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Hexachlorobutadiene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Isopropylbenzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
4-Isopropyltoluene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Methylene chloride	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Naphthalene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
n-Propylbenzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Styrene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,1,1,2-Tetrachloroethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,1,2,2-Tetrachloroethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Tetrachloroethene	METHOD	524.2	0.5	1	NA	3/6/98	5.7	
Toluene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,2,3-Trichlorobenzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,2,4-Trichlorobenzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,1,1-Trichloroethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,1,2-Trichloroethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Trichloroethene	METHOD	524.2	0.5	1	NA	3/6/98	8.2	
Trichlorofluoromethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,2,3-Trichloropropane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,2,4-Trimethylbenzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,3,5-Trimethylbenzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Vinyl chloride	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Total Xylenes	METHOD	524.2	0.5	1	NA	3/6/98	ND	

† As stated in the Site Characterization Guidance and Report Form (Rev. Feb. 1995), the Arizona Department of Environmental Quality has approved EPA Method 524.2 as a substitute for EPA Methods 503.1 and 502.2.

Approved By: JHD Date: 3-10-98

1S2p/020597p

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	TOSCO	**Service Request:**	X9801212
Project:	Circle K #0608/#03-154-0608-22	**Date Collected:**	3/4/98
Sample Matrix:	Water	**Date Received:**	3/4/98

Volatile Organic Compounds

Sample Name:	MW-5	Units:	ug/L (ppb)
Lab Code:	X9801212-004	Basis:	NA
Test Notes:	†		

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Benzene	METHOD	524.2	0.5	1	NA	3/6/98	2.0	
Bromobenzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Bromochloromethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Bromodichloromethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Bromoform	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Bromomethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
n-Butylbenzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
sec-Butylbenzene	METHOD	524.2	0.5	1	NA	3/6/98	0.5	
tert-Butylbenzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Carbon Tetrachloride	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Chlorobenzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Chloroethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Chloroform	METHOD	524.2	0.5	1	NA	3/6/98	0.9	
Chloromethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
2-Chlorotoluene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
4-Chlorotoluene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Dibromochloromethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,2-Dibromo-3-chloropropane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,2-Dibromoethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Dibromomethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,2-Dichlorobenzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,3-Dichlorobenzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,4-Dichlorobenzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Dichlorodifluoromethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,1-Dichloroethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,1-Dichloroethene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,2-Dichloroethane	METHOD	524.2	0.5	1	NA	3/6/98	2.5	
cis-1,2-Dichloroethene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
trans-1,2-Dichloroethene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,2-Dichloropropane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,3-Dichloropropane	METHOD	524.2	0.5	1	NA	3/6/98	ND	

† As stated in the Site Characterization Guidance and Report Form (Rev. Feb. 1995), the Arizona Department of Environmental Quality has approved EPA Method 524.2 as a substitute for EPA Methods 503.1 and 502.2.

Approved By: JHD Date: 3-10-98

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	TOSCO	**Service Request:**	X9801212
Project:	Circle K #0608/#03-154-0608-22	**Date Collected:**	3/4/98
Sample Matrix:	Water	**Date Received:**	3/4/98

Volatile Organic Compounds

Sample Name:	MW-5	Units:	ug/L (ppb)
Lab Code:	X9801212-004	Basis:	NA
Test Notes:	†		

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
2,2-Dichloropropane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,1-Dichloropropene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
cis-1,3-Dichloropropene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
trans-1,3-Dichloropropene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Ethylbenzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Hexachlorobutadiene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Isopropylbenzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
4-Isopropyltoluene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Methylene chloride	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Naphthalene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
n-Propylbenzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Styrene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,1,1,2-Tetrachloroethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,1,2,2-Tetrachloroethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Tetrachloroethene	METHOD	524.2	0.5	1	NA	3/6/98	2.7	
Toluene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,2,3-Trichlorobenzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,2,4-Trichlorobenzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,1,1-Trichloroethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,1,2-Trichloroethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Trichloroethene	METHOD	524.2	0.5	1	NA	3/6/98	4.4	
Trichlorofluoromethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,2,3-Trichloropropane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,2,4-Trimethylbenzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,3,5-Trimethylbenzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Vinyl chloride	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Total Xylenes	METHOD	524.2	0.5	1	NA	3/6/98	ND	

† As stated in the Site Characterization Guidance and Report Form (Rev. Feb. 1995), the Arizona Department of Environmental Quality has approved EPA Method 524.2 as a substitute for EPA Methods 503.1 and 502.2.

Approved By: JHD Date: 3-10-98

1S2p/020597p

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	TOSCO	**Service Request:**	X9801212
Project:	Circle K #0608/#03-154-0608-22	**Date Collected:**	3/4/98
Sample Matrix:	Water	**Date Received:**	3/4/98

Volatile Organic Compounds

Sample Name:	MW-6	Units:	ug/L (ppb)
Lab Code:	X9801212-005	Basis:	NA
Test Notes:	†		

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Benzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Bromobenzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Bromochloromethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Bromodichloromethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Bromoform	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Bromomethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
n-Butylbenzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
sec-Butylbenzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
tert-Butylbenzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Carbon Tetrachloride	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Chlorobenzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Chloroethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Chloroform	METHOD	524.2	0.5	1	NA	3/6/98	2.5	
Chloromethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
2-Chlorotoluene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
4-Chlorotoluene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Dibromochloromethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,2-Dibromo-3-chloropropane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,2-Dibromoethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Dibromomethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,2-Dichlorobenzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,3-Dichlorobenzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,4-Dichlorobenzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Dichlorodifluoromethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,1-Dichloroethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,1-Dichloroethene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,2-Dichloroethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
cis-1,2-Dichloroethene	METHOD	524.2	0.5	1	NA	3/6/98	0.9	
trans-1,2-Dichloroethene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,2-Dichloropropane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,3-Dichloropropane	METHOD	524.2	0.5	1	NA	3/6/98	ND	

† As stated in the Site Characterization Guidance and Report Form (Rev. Feb. 1995), the Arizona Department of Environmental Quality has approved EPA Method 524.2 as a substitute for EPA Methods 503.1 and 502.2.

Approved By: JHD Date: 3-10-98

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	TOSCO	**Service Request:**	X9801212
Project:	Circle K #0608/#03-154-0608-22	**Date Collected:**	3/4/98
Sample Matrix:	Water	**Date Received:**	3/4/98

Volatile Organic Compounds

Sample Name:	MW-6	Units:	ug/L (ppb)
Lab Code:	X9801212-005	Basis:	NA
Test Notes:	†		

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
2,2-Dichloropropane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,1-Dichloropropene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
cis-1,3-Dichloropropene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
trans-1,3-Dichloropropene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Ethylbenzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Hexachlorobutadiene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Isopropylbenzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
4-Isopropyltoluene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Methylene chloride	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Naphthalene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
n-Propylbenzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Styrene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,1,1,2-Tetrachloroethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,1,2,2-Tetrachloroethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Tetrachloroethene	METHOD	524.2	0.5	1	NA	3/6/98	5.9	
Toluene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,2,3-Trichlorobenzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,2,4-Trichlorobenzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,1,1-Trichloroethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,1,2-Trichloroethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Trichloroethene	METHOD	524.2	0.5	1	NA	3/6/98	9.0	
Trichlorofluoromethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,2,3-Trichloropropane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,2,4-Trimethylbenzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,3,5-Trimethylbenzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Vinyl chloride	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Total Xylenes	METHOD	524.2	0.5	1	NA	3/6/98	ND	

† As stated in the Site Characterization Guidance and Report Form (Rev. Feb. 1995), the Arizona Department of Environmental Quality has approved EPA Method 524.2 as a substitute for EPA Methods 503.1 and 502.2.

Approved By: JD Date: 3-10-98

1S2p/020597p

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	TOSCO	**Service Request:**	X9801212
Project:	Circle K #0608/#03-154-0608-22	**Date Collected:**	3/4/98
Sample Matrix:	Water	**Date Received:**	3/4/98

Volatile Organic Compounds

Sample Name:	MW-7	Units:	ug/L (ppb)
Lab Code:	X9801212-006	Basis:	NA
Test Notes:	†		

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Benzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Bromobenzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Bromochloromethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Bromodichloromethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Bromoform	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Bromomethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
n-Butylbenzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
sec-Butylbenzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
tert-Butylbenzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Carbon Tetrachloride	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Chlorobenzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Chloroethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Chloroform	METHOD	524.2	0.5	1	NA	3/6/98	4.5	
Chloromethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
2-Chlorotoluene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
4-Chlorotoluene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Dibromochloromethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,2-Dibromo-3-chloropropane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,2-Dibromoethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Dibromomethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,2-Dichlorobenzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,3-Dichlorobenzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,4-Dichlorobenzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Dichlorodifluoromethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,1-Dichloroethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,1-Dichloroethene	METHOD	524.2	0.5	1	NA	3/6/98	0.7	
1,2-Dichloroethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
cis-1,2-Dichloroethene	METHOD	524.2	0.5	1	NA	3/6/98	0.8	
trans-1,2-Dichloroethene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,2-Dichloropropane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,3-Dichloropropane	METHOD	524.2	0.5	1	NA	3/6/98	ND	

† As stated in the Site Characterization Guidance and Report Form (Rev. Feb. 1995), the Arizona Department of Environmental Quality has approved EPA Method 524.2 as a substitute for EPA Methods 503.1 and 502.2.

Approved By: JD Date: 3-10-98

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	TOSCO	**Service Request:**	X9801212
Project:	Circle K #0608/#03-154-0608-22	**Date Collected:**	3/4/98
Sample Matrix:	Water	**Date Received:**	3/4/98

Volatile Organic Compounds

Sample Name:	MW-7	Units:	ug/L (ppb)
Lab Code:	X9801212-006	Basis:	NA
Test Notes:	†		

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
2,2-Dichloropropane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,1-Dichloropropene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
cis-1,3-Dichloropropene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
trans-1,3-Dichloropropene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Ethylbenzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Hexachlorobutadiene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Isopropylbenzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
4-Isopropyltoluene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Methylene chloride	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Naphthalene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
n-Propylbenzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Styrene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,1,1,2-Tetrachloroethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,1,2,2-Tetrachloroethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Tetrachloroethene	METHOD	524.2	0.5	1	NA	3/6/98	4.8	
Toluene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,2,3-Trichlorobenzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,2,4-Trichlorobenzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,1,1-Trichloroethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,1,2-Trichloroethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Trichloroethene	METHOD	524.2	0.5	1	NA	3/6/98	7.7	
Trichlorofluoromethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,2,3-Trichloropropane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,2,4-Trimethylbenzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,3,5-Trimethylbenzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Vinyl chloride	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Total Xylenes	METHOD	524.2	0.5	1	NA	3/6/98	ND	

† As stated in the Site Characterization Guidance and Report Form (Rev. Feb. 1995), the Arizona Department of Environmental Quality has approved EPA Method 524.2 as a substitute for EPA Methods 503.1 and 502.2.

Approved By: JJD Date: 3-10-98

1S2p/020597p

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	TOSCO	**Service Request:**	X9801212
Project:	Circle K #0608/#03-154-0608-22	**Date Collected:**	3/4/98
Sample Matrix:	Water	**Date Received:**	3/4/98

Volatile Organic Compounds

Sample Name:	MW-8	Units:	ug/L (ppb)
Lab Code:	X9801212-007	Basis:	NA
Test Notes:	†		

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Benzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Bromobenzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Bromochloromethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Bromodichloromethane	METHOD	524.2	0.5	1	NA	3/6/98	0.6	
Bromoform	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Bromomethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
n-Butylbenzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
sec-Butylbenzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
tert-Butylbenzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Carbon Tetrachloride	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Chlorobenzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Chloroethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Chloroform	METHOD	524.2	0.5	1	NA	3/6/98	3.7	
Chloromethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
2-Chlorotoluene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
4-Chlorotoluene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Dibromochloromethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,2-Dibromo-3-chloropropane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,2-Dibromoethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Dibromomethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,2-Dichlorobenzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,3-Dichlorobenzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,4-Dichlorobenzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Dichlorodifluoromethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,1-Dichloroethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,1-Dichloroethene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,2-Dichloroethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
cis-1,2-Dichloroethene	METHOD	524.2	0.5	1	NA	3/6/98	0.7	
trans-1,2-Dichloroethene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,2-Dichloropropane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,3-Dichloropropane	METHOD	524.2	0.5	1	NA	3/6/98	ND	

† As stated in the Site Characterization Guidance and Report Form (Rev. Feb. 1995), the Arizona Department of Environmental Quality has approved EPA Method 524.2 as a substitute for EPA Methods 503.1 and 502.2.

Approved By: JJO Date: 3-10-98

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	TOSCO	**Service Request:**	X9801212
Project:	Circle K #0608/#03-154-0608-22	**Date Collected:**	3/4/98
Sample Matrix:	Water	**Date Received:**	3/4/98

Volatile Organic Compounds

Sample Name:	MW-8	Units:	ug/L (ppb)
Lab Code:	X9801212-007	Basis:	NA
Test Notes:	†		

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
2,2-Dichloropropane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,1-Dichloropropene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
cis-1,3-Dichloropropene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
trans-1,3-Dichloropropene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Ethylbenzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Hexachlorobutadiene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Isopropylbenzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
4-Isopropyltoluene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Methylene chloride	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Naphthalene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
n-Propylbenzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Styrene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,1,1,2-Tetrachloroethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,1,2,2-Tetrachloroethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Tetrachloroethene	METHOD	524.2	0.5	1	NA	3/6/98	4.5	
Toluene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,2,3-Trichlorobenzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,2,4-Trichlorobenzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,1,1-Trichloroethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,1,2-Trichloroethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Trichloroethene	METHOD	524.2	0.5	1	NA	3/6/98	6.5	
Trichlorofluoromethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,2,3-Trichloropropane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,2,4-Trimethylbenzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,3,5-Trimethylbenzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Vinyl chloride	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Total Xylenes	METHOD	524.2	0.5	1	NA	3/6/98	ND	

† As stated in the Site Characterization Guidance and Report Form (Rev. Feb. 1995), the Arizona Department of Environmental Quality has approved EPA Method 524.2 as a substitute for EPA Methods 503.1 and 502.2.

Approved By: JTD Date: 3-10-98

1S2p/020597p

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	TOSCO	**Service Request:**	X9801212
Project:	Circle K #0608/#03-154-0608-22	**Date Collected:**	3/4/98
Sample Matrix:	Water	**Date Received:**	3/4/98

Volatile Organic Compounds

Sample Name:	MW-10	Units:	ug/L (ppb)
Lab Code:	X9801212-008	Basis:	NA
Test Notes:	†		

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Benzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Bromobenzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Bromochloromethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Bromodichloromethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Bromoform	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Bromomethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
n-Butylbenzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
sec-Butylbenzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
tert-Butylbenzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Carbon Tetrachloride	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Chlorobenzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Chloroethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Chloroform	METHOD	524.2	0.5	1	NA	3/6/98	1.6	
Chloromethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
2-Chlorotoluene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
4-Chlorotoluene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Dibromochloromethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,2-Dibromo-3-chloropropane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,2-Dibromoethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Dibromomethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,2-Dichlorobenzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,3-Dichlorobenzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,4-Dichlorobenzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Dichlorodifluoromethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,1-Dichloroethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,1-Dichloroethene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,2-Dichloroethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
cis-1,2-Dichloroethene	METHOD	524.2	0.5	1	NA	3/6/98	0.8	
trans-1,2-Dichloroethene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,2-Dichloropropane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,3-Dichloropropane	METHOD	524.2	0.5	1	NA	3/6/98	ND	

† As stated in the Site Characterization Guidance and Report Form (Rev. Feb. 1995), the Arizona Department of Environmental Quality has approved EPA Method 524.2 as a substitute for EPA Methods 503.1 and 502.2.

Approved By: _____ Date: 3-10-98

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	TOSCO	**Service Request:**	X9801212
Project:	Circle K #0608/#03-154-0608-22	**Date Collected:**	3/4/98
Sample Matrix:	Water	**Date Received:**	3/4/98

Volatile Organic Compounds

Sample Name:	MW-10	Units:	ug/L (ppb)
Lab Code:	X9801212-008	Basis:	NA
Test Notes:	†		

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
2,2-Dichloropropane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,1-Dichloropropene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
cis-1,3-Dichloropropene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
trans-1,3-Dichloropropene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Ethylbenzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Hexachlorobutadiene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Isopropylbenzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
4-Isopropyltoluene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Methylene chloride	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Naphthalene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
n-Propylbenzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Styrene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,1,1,2-Tetrachloroethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,1,2,2-Tetrachloroethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Tetrachloroethene	METHOD	524.2	0.5	1	NA	3/6/98	5.8	
Toluene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,2,3-Trichlorobenzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,2,4-Trichlorobenzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,1,1-Trichloroethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,1,2-Trichloroethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Trichloroethene	METHOD	524.2	0.5	1	NA	3/6/98	8.6	
Trichlorofluoromethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,2,3-Trichloropropane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,2,4-Trimethylbenzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,3,5-Trimethylbenzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Vinyl chloride	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Total Xylenes	METHOD	524.2	0.5	1	NA	3/6/98	ND	

† As stated in the Site Characterization Guidance and Report Form (Rev. Feb. 1995), the Arizona Department of Environmental Quality has approved EPA Method 524.2 as a substitute for EPA Methods 503.1 and 502.2.

Approved By: JD Date: 3-10-98

1S2p/020597p

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	TOSCO	**Service Request:**	X9801212
Project:	Circle K #0608/#03-154-0608-22	**Date Collected:**	3/4/98
Sample Matrix:	Water	**Date Received:**	3/4/98

Volatile Organic Compounds

Sample Name:	PW-1	Units:	ug/L (ppb)
Lab Code:	X9801212-009	Basis:	NA
Test Notes:	†		

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Benzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Bromobenzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Bromochloromethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Bromodichloromethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Bromoform	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Bromomethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
n-Butylbenzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
sec-Butylbenzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
tert-Butylbenzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Carbon Tetrachloride	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Chlorobenzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Chloroethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Chloroform	METHOD	524.2	0.5	1	NA	3/6/98	1.8	
Chloromethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
2-Chlorotoluene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
4-Chlorotoluene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Dibromochloromethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,2-Dibromo-3-chloropropane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,2-Dibromoethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Dibromomethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,2-Dichlorobenzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,3-Dichlorobenzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,4-Dichlorobenzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Dichlorodifluoromethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,1-Dichloroethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,1-Dichloroethene	METHOD	524.2	0.5	1	NA	3/6/98	0.9	
1,2-Dichloroethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
cis-1,2-Dichloroethene	METHOD	524.2	0.5	1	NA	3/6/98	1.1	
trans-1,2-Dichloroethene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,2-Dichloropropane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,3-Dichloropropane	METHOD	524.2	0.5	1	NA	3/6/98	ND	

† As stated in the Site Characterization Guidance and Report Form (Rev. Feb. 1995), the Arizona Department of Environmental Quality has approved EPA Method 524.2 as a substitute for EPA Methods 503.1 and 502.2.

Approved By: JJD Date: 3-10-98

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	TOSCO	**Service Request:**	X9801212
Project:	Circle K #0608/#03-154-0608-22	**Date Collected:**	3/4/98
Sample Matrix:	Water	**Date Received:**	3/4/98

Volatile Organic Compounds

Sample Name:	PW-1	Units:	ug/L (ppb)
Lab Code:	X9801212-009	Basis:	NA
Test Notes:	†		

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
2,2-Dichloropropane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,1-Dichloropropene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
cis-1,3-Dichloropropene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
trans-1,3-Dichloropropene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Ethylbenzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Hexachlorobutadiene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Isopropylbenzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
4-Isopropyltoluene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Methylene chloride	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Naphthalene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
n-Propylbenzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Styrene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,1,1,2-Tetrachloroethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,1,2,2-Tetrachloroethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Tetrachloroethene	METHOD	524.2	0.5	1	NA	3/6/98	5.9	
Toluene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,2,3-Trichlorobenzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,2,4-Trichlorobenzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,1,1-Trichloroethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,1,2-Trichloroethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Trichloroethene	METHOD	524.2	0.5	1	NA	3/6/98	9.0	
Trichlorofluoromethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,2,3-Trichloropropane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,2,4-Trimethylbenzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,3,5-Trimethylbenzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Vinyl chloride	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Total Xylenes	METHOD	524.2	0.5	1	NA	3/6/98	ND	

† As stated in the Site Characterization Guidance and Report Form (Rev. Feb. 1995), the Arizona Department of Environmental Quality has approved EPA Method 524.2 as a substitute for EPA Methods 503.1 and 502.2.

Approved By: JHD Date: 3-10-98

1S2p/020597p

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	TOSCO	**Service Request:**	X9801212
Project:	Circle K #0608/#03-154-0608-22	**Date Collected:**	3/4/98
Sample Matrix:	Water	**Date Received:**	3/4/98

Volatile Organic Compounds

Sample Name:	Dup	Units:	ug/L (ppb)
Lab Code:	X9801212-010	Basis:	NA
Test Notes:	†		

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Benzene	METHOD	524.2	0.5	1	NA	3/9/98	2.0	
Bromobenzene	METHOD	524.2	0.5	1	NA	3/9/98	ND	
Bromochloromethane	METHOD	524.2	0.5	1	NA	3/9/98	ND	
Bromodichloromethane	METHOD	524.2	0.5	1	NA	3/9/98	ND	
Bromoform	METHOD	524.2	0.5	1	NA	3/9/98	ND	
Bromomethane	METHOD	524.2	0.5	1	NA	3/9/98	ND	
n-Butylbenzene	METHOD	524.2	0.5	1	NA	3/9/98	ND	
sec-Butylbenzene	METHOD	524.2	0.5	1	NA	3/9/98	ND	
tert-Butylbenzene	METHOD	524.2	0.5	1	NA	3/9/98	ND	
Carbon Tetrachloride	METHOD	524.2	0.5	1	NA	3/9/98	ND	
Chlorobenzene	METHOD	524.2	0.5	1	NA	3/9/98	ND	
Chloroethane	METHOD	524.2	0.5	1	NA	3/9/98	ND	
Chloroform	METHOD	524.2	0.5	1	NA	3/9/98	0.9	
Chloromethane	METHOD	524.2	0.5	1	NA	3/9/98	ND	
2-Chlorotoluene	METHOD	524.2	0.5	1	NA	3/9/98	ND	
4-Chlorotoluene	METHOD	524.2	0.5	1	NA	3/9/98	ND	
Dibromochloromethane	METHOD	524.2	0.5	1	NA	3/9/98	ND	
1,2-Dibromo-3-chloropropane	METHOD	524.2	0.5	1	NA	3/9/98	ND	
1,2-Dibromoethane	METHOD	524.2	0.5	1	NA	3/9/98	ND	
Dibromomethane	METHOD	524.2	0.5	1	NA	3/9/98	ND	
1,2-Dichlorobenzene	METHOD	524.2	0.5	1	NA	3/9/98	ND	
1,3-Dichlorobenzene	METHOD	524.2	0.5	1	NA	3/9/98	ND	
1,4-Dichlorobenzene	METHOD	524.2	0.5	1	NA	3/9/98	ND	
Dichlorodifluoromethane	METHOD	524.2	0.5	1	NA	3/9/98	ND	
1,1-Dichloroethane	METHOD	524.2	0.5	1	NA	3/9/98	ND	
1,1-Dichloroethene	METHOD	524.2	0.5	1	NA	3/9/98	ND	
1,2-Dichloroethane	METHOD	524.2	0.5	1	NA	3/9/98	2.3	
cis-1,2-Dichloroethene	METHOD	524.2	0.5	1	NA	3/9/98	0.6	
trans-1,2-Dichloroethene	METHOD	524.2	0.5	1	NA	3/9/98	ND	
1,2-Dichloropropane	METHOD	524.2	0.5	1	NA	3/9/98	ND	
1,3-Dichloropropane	METHOD	524.2	0.5	1	NA	3/9/98	ND	

† As stated in the Site Characterization Guidance and Report Form (Rev. Feb. 1995), the Arizona Department of Environmental Quality has approved EPA Method 524.2 as a substitute for EPA Methods 503.1 and 502.2.

Approved By: JJD Date: 3-10-98

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	TOSCO	**Service Request:**	X9801212
Project:	Circle K #0608/#03-154-0608-22	**Date Collected:**	3/4/98
Sample Matrix:	Water	**Date Received:**	3/4/98

Volatile Organic Compounds

Sample Name:	Dup	Units:	ug/L (ppb)
Lab Code:	X9801212-010	Basis:	NA
Test Notes:	†		

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
2,2-Dichloropropane	METHOD	524.2	0.5	1	NA	3/9/98	ND	
1,1-Dichloropropene	METHOD	524.2	0.5	1	NA	3/9/98	ND	
cis-1,3-Dichloropropene	METHOD	524.2	0.5	1	NA	3/9/98	ND	
trans-1,3-Dichloropropene	METHOD	524.2	0.5	1	NA	3/9/98	ND	
Ethylbenzene	METHOD	524.2	0.5	1	NA	3/9/98	ND	
Hexachlorobutadiene	METHOD	524.2	0.5	1	NA	3/9/98	ND	
Isopropylbenzene	METHOD	524.2	0.5	1	NA	3/9/98	ND	
4-Isopropyltoluene	METHOD	524.2	0.5	1	NA	3/9/98	ND	
Methylene chloride	METHOD	524.2	0.5	1	NA	3/9/98	ND	
Naphthalene	METHOD	524.2	0.5	1	NA	3/9/98	ND	
n-Propylbenzene	METHOD	524.2	0.5	1	NA	3/9/98	ND	
Styrene	METHOD	524.2	0.5	1	NA	3/9/98	ND	
1,1,1,2-Tetrachloroethane	METHOD	524.2	0.5	1	NA	3/9/98	ND	
1,1,2,2-Tetrachloroethane	METHOD	524.2	0.5	1	NA	3/9/98	ND	
Tetrachloroethene	METHOD	524.2	0.5	1	NA	3/9/98	2.6	
Toluene	METHOD	524.2	0.5	1	NA	3/9/98	ND	
1,2,3-Trichlorobenzene	METHOD	524.2	0.5	1	NA	3/9/98	ND	
1,2,4-Trichlorobenzene	METHOD	524.2	0.5	1	NA	3/9/98	ND	
1,1,1-Trichloroethane	METHOD	524.2	0.5	1	NA	3/9/98	ND	
1,1,2-Trichloroethane	METHOD	524.2	0.5	1	NA	3/9/98	ND	
Trichloroethene	METHOD	524.2	0.5	1	NA	3/9/98	4.4	
Trichlorofluoromethane	METHOD	524.2	0.5	1	NA	3/9/98	ND	
1,2,3-Trichloropropane	METHOD	524.2	0.5	1	NA	3/9/98	ND	
1,2,4-Trimethylbenzene	METHOD	524.2	0.5	1	NA	3/9/98	ND	
1,3,5-Trimethylbenzene	METHOD	524.2	0.5	1	NA	3/9/98	ND	
Vinyl chloride	METHOD	524.2	0.5	1	NA	3/9/98	ND	
Total Xylenes	METHOD	524.2	0.5	1	NA	3/9/98	ND	

† As stated in the Site Characterization Guidance and Report Form (Rev. Feb. 1995), the Arizona Department of Environmental Quality has approved EPA Method 524.2 as a substitute for EPA Methods 503.1 and 502.2.

Approved By: JAD Date: 3-10-98

1S2p/020597p

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	TOSCO	**Service Request:**	X9801212
Project:	Circle K #0608/#03-154-0608-22	**Date Collected:**	3/4/98
Sample Matrix:	Water	**Date Received:**	3/4/98

Volatile Organic Compounds

Sample Name:	Trip Blank	Units:	ug/L (ppb)
Lab Code:	X9801212-011	Basis:	NA
Test Notes:	†		

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Benzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Bromobenzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Bromochloromethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Bromodichloromethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Bromoform	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Bromomethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
n-Butylbenzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
sec-Butylbenzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
tert-Butylbenzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Carbon Tetrachloride	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Chlorobenzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Chloroethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Chloroform	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Chloromethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
2-Chlorotoluene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
4-Chlorotoluene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Dibromochloromethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,2-Dibromo-3-chloropropane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,2-Dibromoethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Dibromomethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,2-Dichlorobenzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,3-Dichlorobenzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,4-Dichlorobenzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Dichlorodifluoromethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,1-Dichloroethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,1-Dichloroethene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,2-Dichloroethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
cis-1,2-Dichloroethene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
trans-1,2-Dichloroethene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,2-Dichloropropane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,3-Dichloropropane	METHOD	524.2	0.5	1	NA	3/6/98	ND	

† As stated in the Site Characterization Guidance and Report Form (Rev. Feb. 1995), the Arizona Department of Environmental Quality has approved EPA Method 524.2 as a substitute for EPA Methods 503.1 and 502.2.

Approved By: JTO Date: 3-10-98

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	TOSCO	**Service Request:**	X9801212
Project:	Circle K #0608/#03-154-0608-22	**Date Collected:**	3/4/98
Sample Matrix:	Water	**Date Received:**	3/4/98

Volatile Organic Compounds

Sample Name:	Trip Blank	Units:	ug/L (ppb)
Lab Code:	X9801212-011	Basis:	NA
Test Notes:	†		

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
2,2-Dichloropropane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,1-Dichloropropene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
cis-1,3-Dichloropropene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
trans-1,3-Dichloropropene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Ethylbenzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Hexachlorobutadiene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Isopropylbenzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
4-Isopropyltoluene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Methylene chloride	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Naphthalene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
n-Propylbenzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Styrene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,1,1,2-Tetrachloroethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,1,2,2-Tetrachloroethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Tetrachloroethene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Toluene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,2,3-Trichlorobenzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,2,4-Trichlorobenzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,1,1-Trichloroethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,1,2-Trichloroethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Trichloroethene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Trichlorofluoromethane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,2,3-Trichloropropane	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,2,4-Trimethylbenzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
1,3,5-Trimethylbenzene	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Vinyl chloride	METHOD	524.2	0.5	1	NA	3/6/98	ND	
Total Xylenes	METHOD	524.2	0.5	1	NA	3/6/98	ND	

† As stated in the Site Characterization Guidance and Report Form (Rev. Feb. 1995), the Arizona Department of Environmental Quality has approved EPA Method 524.2 as a substitute for EPA Methods 503.1 and 502.2.

Approved By: JD Date: 3-10-98

1S2p/020597p

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	TOSCO	**Service Request:**	X9801212
Project:	Circle K #0608/#03-154-0608-22	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
		Date Extracted:	NA
		Date Analyzed:	NA

Surrogate Recovery Summary
Volatile Organic Compounds

Prep Method:	METHOD	Units:	PERCENT
Analysis Method:	524.2	Basis:	NA

Sample Name	Lab Code	Test Notes	Percent Recovery		
			Dibromofluoromethane	Toluene-D8	4-Bromofluorobenzene
MW-1	X9801212-001		105	97	86
MW-2	X9801212-002		106	101	84
MW-3	X9801212-003		112	100	83
MW-5	X9801212-004		110	101	87
MW-6	X9801212-005		106	96	81
MW-7	X9801212-006		113	99	85
MW-8	X9801212-007		108	98	81
MW-10	X9801212-008		113	101	80
PW-1	X9801212-009		111	98	78
Dup	X9801212-010		109	98	87
Trip Blank	X9801212-011		110	99	83
Method Blank	X980306-MB		102	98	90
Method Blank	X980309-MB		107	98	87
Lab Control Sample	X980306-LCS		105	101	86
Lab Control Sample	X980309-LCS		109	98	86
CAS Acceptance Limits:			70-130	70-130	70-130

Approved By: JJO Date: 3-10-98

SUR3/020597p

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	TOSCO	**Service Request:**	X9801212
Project:	Circle K #0608/#03-154-0608-22	**Date Collected:**	NA
LCS Matrix:	Water	**Date Received:**	NA
		Date Extracted:	NA
		Date Analyzed:	3/6/98

Laboratory Control Sample Summary
Volatile Organic Compounds

Sample Name:	Lab Control Sample	Units:	ug/L (ppb)
Lab Code:	X980306-LCS	Basis:	NA
Test Notes:			

Analyte	Prep Method	Analysis Method	True Value	Result	Percent Recovery	CAS Percent Recovery Acceptance Limits	Result Notes
1,1-Dichloroethene	METHOD	524.2	2.00	1.92	96	70-130	
Benzene	METHOD	524.2	2.00	2.02	101	70-130	
Trichloroethene (TCE)	METHOD	524.2	2.00	1.87	94	70-130	
Toluene	METHOD	524.2	2.00	2.15	108	70-130	
Chlorobenzene	METHOD	524.2	2.00	2.18	109	70-130	

Approved By: JJD Date: 3-10-98

LCS/020597p

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	TOSCO	**Service Request:**	X9801212
Project:	Circle K #0608/#03-154-0608-22	**Date Collected:**	NA
LCS Matrix:	Water	**Date Received:**	NA
		Date Extracted:	NA
		Date Analyzed:	3/9/98

Laboratory Control Sample Summary
Volatile Organic Compounds

Sample Name:	Lab Control Sample	Units:	ug/L (ppb)
Lab Code:	X980309-LCS	Basis:	NA
Test Notes:			

Analyte	Prep Method	Analysis Method	True Value	Result	Percent Recovery	CAS Percent Recovery Acceptance Limits	Result Notes
1,1-Dichloroethene	METHOD	524.2	2.00	2.02	101	70-130	
Benzene	METHOD	524.2	2.00	2.27	114	70-130	
Trichloroethene (TCE)	METHOD	524.2	2.00	2.19	110	70-130	
Toluene	METHOD	524.2	2.00	2.07	103	70-130	
Chlorobenzene	METHOD	524.2	2.00	2.11	106	70-130	

Approved By: JW Date: 3-10-98

LCS/020597p

Page ____ of ____ LABORATORY SERVICE AGREEMENT

Chain-of-Custody Record

Columbia Analytical Services, Inc.
1-800-695-7222
TOSCO

Tosco Site Number 7602
Tosco Site Address Union Ave. & Hwy 58 Bakersfield, CA
Tosco Contact (Name) Dale Conner
(Phone) 661-W-0525
Tosco Project Code # ____
Laboratory Name CAS
Laboratory Work Order X1B0212
AWO TOSCO-601.09.22

Consultant Project Number 601.09.22
Consultant Name Blaine Tech Services, Inc.
Address 2513 Jet Drive #101 Modesto, CA 95350
Project Contact (Name) Jeff Kuyper
(Phone) 209-941-1112 (Fax) 209-941-1115
Sample Collected By (Name) Jeff Kuyper
Collection Date 3/4/98 Signature
Method of Shipment

Sample ID Number	Lab Sample Number	Number of Containers	MATRIX S=Soil A=Air W=Water C=Charcoal	TYPE G=Grab C=Composite D=Discrete	Sample Date	Sample Time	Sample Preservation	Analyses To Be Performed: BTEX + TPH GAS (8021/602 + 8015 modified)	TPH (8015 modified) __FC __GAS __DIESEL __OIL	BTEX + MTBE (8021/602) (8260)	Oil and Grease (5520) (413.1) (413.2)	Purgeable Halocarbons (8021) (601)	Purgeable Aromatics (8021) (602)	Volatile Organics (8260) (624)	Semi Volatile Organics (8270) (625)	Total Lead	TRPH (418.1)	MTBE Confirmation (8260)	5015/12		Remarks
MW-1	12120	3	W		3/4/98	10:57	HCl												X		
MW-2		3	W			11:05													X		
MW-3		3	W			10:32													X		
MW-5		3	W			12:11													X		
MW-6		3	W			8:54													X		
MW-7		3	W			7:40													X		
MW-8		3	W			8:26													X		
MW-10		3	W			7:59													X		
TW-1		3	W			10:42													X		
D-P		3			3/4/98		HCl												X		

Special Instructions/Comments:

Deliverable Requirements: ☐ Tier I ☐ Tier II ☐ Tier III

LAB USE ONLY:
Condition of Sample ____ Custody Seals ____
Temperature Received ____ Storage Location ____
Notes ____

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
		3/4/98			1415
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time

ANALYSIS TAT *(Circle Choice)*
STANDARD - 10 Business Days
RUSH TAT - Surcharges Apply
☐ 5 Days
☐ 72 Hours
☐ 48 Hours
☐ 24 Hours

To be completed upon receipt of report:
1) Were the analyses requested on the Chain of Custody reported? ☐ Yes ☐ No If no, what analyses are still needed? ____
2) Was the report issued within the requested turnaround time? ☐ Yes ☐ No If no, what was the turnaround time? ____
Approved by: ____ Signature: ____ Company: ____ Date: ____

Page ___ of ___ LA RAT / SE CE REE NT **Chain-of-Custody Record**

Columbia Analytical Services, Inc.
1-800-695-7222
TOSCO

Tosco Site Number 04612
Tosco Site Address 1400 W. Van Buren St., AZ 85043
Tosco Contact (Name) Dale Gorder
(Phone) 602-200-4525
Tosco Project Code # ___
Laboratory Name CAS
Laboratory Work Order X100212
AWO 04612-001 09.22

Consultant Project Number 03-2574-022
Consultant Name Blaes Env.
Address 2525 W. 167th St. #61 Plainfield, IL 60544
Project Contact (Name) Joe Blaes
(Phone) 630-904-5950 (Fax) 630-904-5349
Sample Collected By (Name) Joe Blaes
Collection Date 3/9/98 Signature
Method of Shipment ___

Sample ID Number	Lab Sample Number	Number of Containers	MATRIX S=Soil A=Air W=Water C=Charcoal	TYPE G=Grab C=Composite D=Discrete	Sample Date	Sample Time	Sample Preservation	Analyses To Be Performed: BTEX + TPH GAS (8021/602 + 8015 modified)	TPH (8015 modified) FC GAS DIESEL OIL	BTEX + MTBE (8021/602) (8260)	Oil and Grease (5520) (413.1) (413.2)	Purgeable Halocarbons (8021) (601)	Purgeable Aromatics (8021) (602)	Volatile Organics (8260) (624)	Semi Volatile Organics (8270) (625)	Total Lead	TRPH (418.1)	MTBE Confirmation (8260)			Remarks
TB		3	W		3/9/98		HCl												X		

Special Instructions/Comments:

Deliverable Requirements: ☐ Tier I ☐ Tier II ☐ Tier III

LAB USE ONLY:
Condition of Sample ___ Custody Seals ___
Temperature Received ___ Storage Location ___
Notes ___

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
		3/9/98			
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time

ANALYSIS TAT *(Circle Choice)*
STANDARD - 10 Business Days
RUSH TAT - Surcharges Apply
☐ 5 Days
☐ 72 Hours
☐ 48 Hours
☐ 24 Hours

To be completed upon receipt of report:
1) Were the analyses requested on the Chain of Custody reported? ☐ Yes ☐ No If no, what analyses are still needed? ___
2) Was the report issued within the requested turnaround time? ☐ Yes ☐ No If no, what was the turnaround time? ___
Approved by: ___ Signature: ___ Company: ___ Date: ___

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QST Environmental	Client Project ID: CF Motor Freight / 6695029	Sampled:	Jan 30, 1998
426 N. 44th Street, Suite 110	830 S. 25th Ave., Phx, AZ	Received:	Jan 30, 1998
Phoenix, AZ 85008		Extracted:	1/30-2/5, 1998
Attention: Ron Whitler	Report Number: PHA01266	Analyzed:	1/30-2/5, 1998
		Reported:	Feb 4-9, 1998

CASE NARRATIVE

LABORATORY NUMBER	SAMPLE DESCRIPTION	SAMPLE MATRIX	ANALYSES
PHA01266	Trip Blank	Water	503.1
PHA01267	MW-4	Water	418.1, 503.1, SM2320B, 300.0 & SM4500-CO2-C
PHA01268	MW-7	Water	418.1, 503.1, SM2320B & 300.0
PHA01269	MW-6	Water	418.1, 503.1, SM2320B, 300.0 & SM4500-CO2-C

SAMPLE RECEIPT: Samples were received intact, on ice, and with chain of custody documentation.

HOLDING TIMES: Holding times were met.

PROBLEMS ENCOUNTERED: No problems were encountered during sample analysis.

QA/QC CRITERIA: All QA/QC met acceptance criteria.

OBSERVATIONS: No significant observations were made.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

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QST Environmental	Client Project ID: CF Motor Freight / 6695029	Sampled:	Jan 30, 1998
426 N. 44th Street, Suite 110	830 S. 25th Ave., Phx, AZ	Received:	Jan 30, 1998
Phoenix, AZ 85008	Analysis Method: EPA 418.1 (I.R. with clean-up)	Extracted:	Feb 2, 1998
Attention: Ron Whitler	First Sample #: PHA01267	Analyzed:	Feb 2, 1998
		Reported:	Feb 4, 1998

TOTAL RECOVERABLE PETROLEUM HYDROCARBONS (EPA 418.1)

Laboratory Number	Sample Description Water	Petroleum Hydrocarbons mg/L (ppm)
PHA01267	MW-4	N.D.
PHA01268	MW-7	N.D.
PHA01269	MW-6	N.D.

Reporting Limit:	**1.0**

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

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QST Environmental	Client Project ID:	CF Motor Freight / 6695029	Sampled: Jan 30, 1998
426 N. 44th Street, Suite 110		830 S. 25th Ave., Phx, AZ	Received: Jan 30, 1998
Phoenix, AZ 85008	Sample Descript:	Water, MW-4	Extracted: Feb 5, 1998
Attention: Ron Whitler	Lab Number:	PHA01267	Analyzed: Feb 5, 1998
			Reported: Feb 9, 1998

VOLATILE AROMATIC AND UNSATURATED ORGANIC COMPOUNDS (EPA 503.1)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Benzene	1.3	N.D.
Bromobenzene	1.3	N.D.
n-Butylbenzene	1.3	N.D.
sec-Butylbenzene	1.3	N.D.
tert-Butylbenzene	1.3	N.D.
Chlorobenzene	1.3	N.D.
2-Chlorotoluene	1.3	N.D.
4-Chlorotoluene	1.3	N.D.
1,2-Dichlorobenzene	1.3	N.D.
1,3-Dichlorobenzene	1.3	N.D.
1,4-Dichlorobenzene	1.3	N.D.
Ethylbenzene	1.3	N.D.
Hexachlorobutadiene	1.3	N.D.
Isopropylbenzene	1.3	N.D.
p-Isopropyltoluene	1.3	N.D.
Napthalene	1.3	N.D.
n-Propylbenzene	1.3	N.D.
Styrene	1.3	N.D.
Tetrachloroethene.	**1.3**	**55**
Toluene	1.3	N.D.
1,2,3-Trichlorobenzene	1.3	N.D.
1,2,4-Trichlorobenzene	1.3	N.D.
Trichloroethene	**1.3**	**42**
1,2,4-Trimethylbenzene	1.3	N.D.
1,3,5-Trimethylbenzene	1.3	N.D.
o-Xylene	1.3	N.D.
m,p-Xylenes	1.3	N.D.

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 2.5.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recovery:	
aaa-Trifluorotoluene	104%

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Del Mar Analytical

QST Environmental	Client Project ID:	CF Motor Freight / 6695029	Sampled: Jan 30, 1998
426 N. 44th Street, Suite 110		830 S. 25th Ave., Phx, AZ	Received: Jan 30, 1998
Phoenix, AZ 85008	Sample Descript:	Water, MW-6	Extracted: Feb 5, 1998
Attention: Ron Whitler	Lab Number:	PHA01269	Analyzed: Feb 5, 1998
			Reported: Feb 9, 1998

VOLATILE AROMATIC AND UNSATURATED ORGANIC COMPOUNDS (EPA 503.1)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Benzene	1.0	N.D.
Bromobenzene	1.0	N.D.
n-Butylbenzene	1.0	N.D.
sec-Butylbenzene	1.0	N.D.
tert-Butylbenzene	1.0	N.D.
Chlorobenzene	1.0	N.D.
2-Chlorotoluene	1.0	N.D.
4-Chlorotoluene	1.0	N.D.
1,2-Dichlorobenzene	1.0	N.D.
1,3-Dichlorobenzene	1.0	N.D.
1,4-Dichlorobenzene	1.0	N.D.
Ethylbenzene	1.0	N.D.
Hexachlorobutadiene	1.0	N.D.
Isopropylbenzene	1.0	N.D.
p-Isopropyltoluene	1.0	N.D.
Napthalene	1.0	N.D.
n-Propylbenzene	1.0	N.D.
Styrene	1.0	N.D.
Tetrachloroethene.	**1.0**	**22**
Toluene	1.0	N.D.
1,2,3-Trichlorobenzene	1.0	N.D.
1,2,4-Trichlorobenzene	1.0	N.D.
Trichloroethene	**1.0**	**17**
1,2,4-Trimethylbenzene	1.0	N.D.
1,3,5-Trimethylbenzene	1.0	N.D.
o-Xylene	1.0	N.D.
m,p-Xylenes	1.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 2.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recovery:	
aaa-Trifluorotoluene	101%

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QST Environmental	Client Project ID:	CF Motor Freight / 6695029	Sampled: Jan 30, 1998
426 N. 44th Street, Suite 110		830 S. 25th Ave., Phx, AZ	Received: Jan 30, 1998
Phoenix, AZ 85008	Sample Descript:	Water, MW-7	Extracted: Feb 5, 1998
Attention: Ron Whitler	Lab Number:	PHA01268	Analyzed: Feb 5, 1998
			Reported: Feb 9, 1998

VOLATILE AROMATIC AND UNSATURATED ORGANIC COMPOUNDS (EPA 503.1)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Benzene	1.0	N.D.
Bromobenzene	1.0	N.D.
n-Butylbenzene	1.0	N.D.
sec-Butylbenzene	1.0	N.D.
tert-Butylbenzene	1.0	N.D.
Chlorobenzene	1.0	N.D.
2-Chlorotoluene	1.0	N.D.
4-Chlorotoluene	1.0	N.D.
1,2-Dichlorobenzene	1.0	N.D.
1,3-Dichlorobenzene	1.0	N.D.
1,4-Dichlorobenzene	1.0	N.D.
Ethylbenzene	1.0	N.D.
Hexachlorobutadiene	1.0	N.D.
Isopropylbenzene	1.0	N.D.
p-Isopropyltoluene	1.0	N.D.
Napthalene	1.0	N.D.
n-Propylbenzene	1.0	N.D.
Styrene	1.0	N.D.
Tetrachloroethene.	**1.0**	**66**
Toluene	1.0	N.D.
1,2,3-Trichlorobenzene	1.0	N.D.
1,2,4-Trichlorobenzene	1.0	N.D.
Trichloroethene	**1.0**	**19**
1,2,4-Trimethylbenzene	1.0	N.D.
1,3,5-Trimethylbenzene	1.0	N.D.
o-Xylene	1.0	N.D.
m,p-Xylenes	1.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 2.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recovery:	
aaa-Trifluorotoluene	106%

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QST Environmental	Client Project ID:	CF Motor Freight / 6695029	Sampled: Jan 30, 1998
426 N. 44th Street, Suite 110		830 S. 25th Ave., Phx, AZ	Received: Jan 30, 1998
Phoenix, AZ 85008	Sample Descript:	Water	Extracted: Jan 30, 1998
Attention: Ron Whitler	First Sample #:	PHA01267	Analyzed: Jan 30, 1998
			Reported: Feb 9, 1998

CARBON DIOXIDE (SM4500-CO2-C)

Laboratory Number	Sample Description	Reporting Limit mg/L (ppm)	Sample Result mg/L (ppm)
PHA01267	MW-4	1.0	61
PHA01269	MW-6	1.0	62

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

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QST Environmental	Client Project ID:	CF Motor Freight / 6695029	Sampled: Jan 30, 1998
426 N. 44th Street, Suite 110		830 S. 25th Ave., Phx, AZ	Received: Jan 30, 1998
Phoenix, AZ 85008	Sample Descript:	Water	Extracted: Feb 2, 1998
Attention: Ron Whitler	First Sample #:	PHA01267	Analyzed: Feb 2, 1998
			Reported: Feb 9, 1998

ALKALINITY (SM2320B)

Laboratory Number	Sample Description	Reporting Limit mg/L (ppm)	Sample Result mg/L (ppm)
PHA01267	MW-4	1.0	310
PHA01268	MW-7	1.0	360
PHA01269	MW-6	1.0	360

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

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QST Environmental	Client Project ID: CF Motor Freight / 6695029	Sampled:	Jan 30, 1998
426 N. 44th Street, Suite 110	830 S. 25th Ave., Phx, AZ	Received:	Jan 30, 1998
Phoenix, AZ 85008	Sample Descript: Water	Extracted:	Jan 30, 1998
Attention: Ron Whitler	First Sample #: PHA01267	Analyzed:	Jan 30, 1998
		Reported:	Feb 9, 1998

NITRATE (EPA 300.0)

Laboratory Number	Sample Description	Reporting Limit mg/L (ppm)	Sample Result mg/L (ppm)
PHA01267	MW-4	1.0	6.9
PHA01268	MW-7	1.0	6.1
PHA01269	MW-6	1.0	2.5

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 10.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

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QST Environmental
426 N. 44th Street, Suite 110
Phoenix, AZ 85008
Attention: Ron Whitler

Method Blank

Extracted: Feb 2, 1998
Analyzed: Feb 2, 1998
Reported: Feb 4, 1998
Matrix: Water

TOTAL RECOVERABLE PETROLEUM HYDROCARBONS (EPA 418.1)

Laboratory Description	Petroleum Hydrocarbons mg/L (ppm)
Method Blank	N.D.

Reporting Limit:	1.0

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

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QST Environmental
426 N. 44th Street, Suite 110
Phoenix, AZ 85008
Attention: Ron Whitler

Method Blank

Extracted: Feb 2, 1998
Analyzed: Feb 2, 1998
Reported: Feb 9, 1998
Matrix: Water

VOLATILE AROMATIC AND UNSATURATED ORGANIC COMPOUNDS (EPA 503.1)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Benzene	0.50	N.D.
Bromobenzene	0.50	N.D.
n-Butylbenzene	0.50	N.D.
sec-Butylbenzene	0.50	N.D.
tert-Butylbenzene	0.50	N.D.
Chlorobenzene	0.50	N.D.
2-Chlorotoluene	0.50	N.D.
4-Chlorotoluene	0.50	N.D.
1,2-Dichlorobenzene	0.50	N.D.
1,3-Dichlorobenzene	0.50	N.D.
1,4-Dichlorobenzene	0.50	N.D.
Ethylbenzene	0.50	N.D.
Hexachlorobutadiene	0.50	N.D.
Isopropylbenzene	0.50	N.D.
p-Isopropyltoluene	0.50	N.D.
Napthalene	0.50	N.D.
n-Propylbenzene	0.50	N.D.
Styrene	0.50	N.D.
Tetrachloroethene	0.50	N.D.
Toluene	0.50	N.D.
1,2,3-Trichlorobenzene	0.50	N.D.
1,2,4-Trichlorobenzene	0.50	N.D.
Trichloroethene	0.50	N.D.
1,2,4-Trimethylbenzene	0.50	N.D.
1,3,5-Trimethylbenzene	0.50	N.D.
o-Xylene	0.50	N.D.
m,p-Xylenes	0.50	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recovery:	
aaa-Trifluorotoluene	101%

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Del Mar Analytical

QST Environmental
426 N. 44th Street, Suite 110
Phoenix, AZ 85008
Attention: Ron Whitler

Method Blank

Extracted: Feb 5, 1998
Analyzed: Feb 5, 1998
Reported: Feb 9, 1998
Matrix: Water

VOLATILE AROMATIC AND UNSATURATED ORGANIC COMPOUNDS (EPA 503.1)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Benzene	0.50	N.D.
Bromobenzene	0.50	N.D.
n-Butylbenzene	0.50	N.D.
sec-Butylbenzene	0.50	N.D.
tert-Butylbenzene	0.50	N.D.
Chlorobenzene	0.50	N.D.
2-Chlorotoluene	0.50	N.D.
4-Chlorotoluene	0.50	N.D.
1,2-Dichlorobenzene	0.50	N.D.
1,3-Dichlorobenzene	0.50	N.D.
1,4-Dichlorobenzene	0.50	N.D.
Ethylbenzene	0.50	N.D.
Hexachlorobutadiene	0.50	N.D.
Isopropylbenzene	0.50	N.D.
p-Isopropyltoluene	0.50	N.D.
Napthalene	0.50	N.D.
n-Propylbenzene	0.50	N.D.
Styrene	0.50	N.D.
Tetrachloroethene	0.50	N.D.
Toluene	0.50	N.D.
1,2,3-Trichlorobenzene	0.50	N.D.
1,2,4-Trichlorobenzene	0.50	N.D.
Trichloroethene	0.50	N.D.
1,2,4-Trimethylbenzene	0.50	N.D.
1,3,5-Trimethylbenzene	0.50	N.D.
o-Xylene	0.50	N.D.
m,p-Xylenes	0.50	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recovery:	
aaa-Trifluorotoluene	103%

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2645 W. 14th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-8275

QST Environmental	Client Project ID:	CF Motor Freight / 6695029	Sampled: Jan 30, 1998
426 N. 44th Street, Suite 110		830 S. 25th Ave., Phx, AZ	Received: Jan 30, 1998
Phoenix, AZ 85008	Sample Descript:	Water, Trip Blank	Extracted: Feb 2, 1998
Attention: Ron Whitler	Lab Number:	PHA01266	Analyzed: Feb 2, 1998
			Reported: Feb 9, 1998

VOLATILE AROMATIC AND UNSATURATED ORGANIC COMPOUNDS (EPA 503.1)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Benzene	0.50	N.D.
Bromobenzene	0.50	N.D.
n-Butylbenzene	0.50	N.D.
sec-Butylbenzene	0.50	N.D.
tert-Butylbenzene	0.50	N.D.
Chlorobenzene	0.50	N.D.
2-Chlorotoluene	0.50	N.D.
4-Chlorotoluene	0.50	N.D.
1,2-Dichlorobenzene	0.50	N.D.
1,3-Dichlorobenzene	0.50	N.D.
1,4-Dichlorobenzene	0.50	N.D.
Ethylbenzene	0.50	N.D.
Hexachlorobutadiene	0.50	N.D.
Isopropylbenzene	0.50	N.D.
p-Isopropyltoluene	0.50	N.D.
Napthalene	0.50	N.D.
n-Propylbenzene	0.50	N.D.
Styrene	0.50	N.D.
Tetrachloroethene	0.50	N.D.
Toluene	0.50	N.D.
1,2,3-Trichlorobenzene	0.50	N.D.
1,2,4-Trichlorobenzene	0.50	N.D.
Trichloroethene	0.50	N.D.
1,2,4-Trimethylbenzene	0.50	N.D.
1,3,5-Trimethylbenzene	0.50	N.D.
o-Xylene	0.50	N.D.
m,p-Xylenes	0.50	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recovery:	
aaa-Trifluorotoluene	98%

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Del Mar Analytical

MS/MSD DATA REPORT

EPA METHOD: 418.1
Matrix: Water

DATE: 2/2/98

SAMPLE # MSPHA01147

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppm	ppm	ppm	ppm	%	%	%	%
Hydrocarbons	0	6.0	5.2	5.2	87%	87%	0%	87%

Definition of Terms:

R1. . . . . Result of Sample Analysis

Sp. . . . . Spike Concentration Added to Sample

MS. . . . . Matrix Spike Result

MSD. . . . . Matrix Spike Duplicate Result

PR1. . . . . Percent Recovery of MS; ((MS-R1) / SP) X 100

PR2. . . . . Percent Recovery of MSD; ((MSD-R1) / SP) X 100

RPD. . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

Del Mar Analytical

QA/QC CRITERIA: All QA/QC was within acceptance limits.

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LCS DATA REPORT

EPA Method 502.2

Matrix: Water

Date: 02/02/98

Batch #: HB025A1W

Analyte	Spike Conc.	Result	% Recovery	ACP
Benzene	5.0	4.8	96	80 - 120 %
Chloroform	5.0	5.3	106	80 - 120 %
1,1-Dichloroethane	5.0	4.9	97	80 - 120 %
1,2-Dichloroethane	5.0	4.9	99	80 - 120 %
1,1-Dichloroethene	5.0	4.3	87	80 - 120 %
Tetrachloroethene	5.0	5.1	101	80 - 120 %
Toluene	5.0	5.1	103	80 - 120 %
Trichloroethene	5.0	5.2	103	80 - 120 %

Definition of Terms

LCS ..... Laboratory Control Sample

Spike Conc ..... Result of Sample Analysis

Result ..... Result of Laboratory Control Sample Analysis

%Recovery ..... Percent Recovery of LCS; ((Result - Spike Conc.) / Spike Conc.) X 100

ACP ..... Acceptance Limits for Percent Recovery by EPA Method 502.2

Del Mar Analytical

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LCS DATA REPORT

EPA Method 502.2

Matrix: Water

Date: 02/05/98

Batch #: HB055A1W

Analyte	Spike Conc.	Result	% Recovery	ACP
Benzene	5.0	4.8	96	80 - 120 %
Chloroform	5.0	6.0	119	80 - 120 %
1,1-Dichloroethane	5.0	4.6	92	80 - 120 %
1,2-Dichloroethane	5.0	5.2	104	80 - 120 %
1,1-Dichloroethene	5.0	4.6	93	80 - 120 %
Tetrachloroethene	5.0	5.3	107	80 - 120 %
Toluene	5.0	5.1	102	80 - 120 %
Trichloroethene	5.0	4.1	81	80 - 120 %

Definition of Terms

LCS ..... Laboratory Control Sample

Spike Conc ..... Result of Sample Analysis

Result ..... Result of Laboratory Control Sample Analysis

%Recovery ..... Percent Recovery of LCS; ((Result - Spike Conc.) / Spike Conc.) X 100

ACP ..... Acceptance Limits for Percent Recovery by EPA Method 502.2

Del Mar Analytical

Del Mar Analytical

3852 Ayon Ave., Irvine, CA 92606 (714) 261-1022 FAX (714) 261-1228
41 Corporate Dr., Suite A, Colton, CA 92324 (909) 370-4667 FAX (909) 370-1046
8525 Sherman Way, Suite C-11, Van Nuys, CA 91405 (818) 779-1844 FAX (818) 779-1843
2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-8275

MS/MSD DATA REPORT

EPA METHOD: **300.0**
Instrument: IC
Matrix: Water

DATE: 1/30/98

SAMPLE #: PHA01028

Analyte	R1	SP	MS	MSD	PR1	PR2	RPD	MEAN PR	Acceptance Limits RPD	Acceptance Limits Mean PR
	ppm	ppm	ppm	ppm	%	%	%	%	%	
Fluoride	0	0.80	0.82	0.83	103%	104%	1.2%	103%	≤ 20	80-112%
Chloride	0	1.2	1.2	1.3	100%	108%	8.0%	104%	≤ 20	41-172%
Nitrite-N	0	0.24	0.24	0.23	100%	96%	4.3%	98%	≤ 20	77-123%
Nitrate-N	0	0.90	0.86	0.87	96%	97%	1.2%	96%	≤ 20	77-116%
Phosphate-HP04	0	6.0	6.2	6.3	103%	105%	1.6%	104%	≤ 20	62-128%
Sulfate	0	6.0	6.0	6.0	100%	100%	0%	100%	≤ 20	64-143%

Definition of Terms:

R1 ..... Result of Sample Analysis

Sp ..... Spike Concentration Added to Sample

MS ..... Matrix Spike Result

MSD ..... Matrix Spike Duplicate Result

PR1 ..... Percent Recovery of MS; (MS-R1) / SP X 100

PR2 ..... Percent Recovery of MSD; ((MSD-R1) / SP X 100

RPD ..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

QA/QC CRITERIA: **All QA/QC is within acceptance limits.**

Del Mar Analytical

Del Mar Analytical
2852 Alton Ave., Irvine, CA 92714 (714) 261-1022 FAX (714) 261-1228
1014 E. Cooley Dr., Suite A, Colton, CA 92324 (909) 370-4667 FAX (909) 370-1046
16525 Sherman Way, Suite C-11, Van Nuys, CA 91406 (818) 779-1844 FAX (818) 779-1843
2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-1338

CHAIN OF CUSTODY FORM

Client Name/Address: QST Environmental, 4126 N. 44th St. suite 110, Phoenix AZ 85008

Project/PO Number: 6695029, CF Motor Freight, 830 S. 25th Ave, Phoenix, AZ

Project Manager/Phone Number: Ron Whitler (602) 244-1192

Sampler: Conde T. Sluga

*(zero headspace for CO2)

Sample Description	Sample Matrix	Container Type	#of Cont	Sampling Date/Time	Preservatives	EPA 418.1	EPA 503.1	CO2 * SM4500-CO2-C	Alkalinity SM2320B	Nitrate EPA 300.0	Analysis Required	Special Instructions
TRIP BLANK	Water	VOA	1		ice		X					
MW-4	Water	Pol, AmB 2 VOA	B4	1-30-98 12:45	HCl, ice	X	X	X	X	X		
MW-7	Water	Pol, AmB. 2 VOA	B4	1-30-98 1:25	HCl, ice	X	X	X	X	X		
MW-1	Water	Pol, AmB 2 VOA	B4		HCl, ice							
MW-6	Water	Pol, AmB. 2 VOA	B4	1-30-98 2:35	HCl, ice	X	X	X	X	X		
MW-5	Water	Pol, AmB. 2 VOA	B4		HCl, ice							
MW-3	Water	Pol, AmB. 2 VOA	B4		HCl, ice							
MW-2	Water	Pol, AmB. 2 VOA	B4		HCl, ice							

Relinquished By: Conde T. Sluga Date /Time: 1-30-98 1705

Received by: Date /Time:

Relinquished By: Date /Time:

Received by: Date /Time:

Relinquished By: Date /Time:

Received in Lab by: RR Date /Time: 1/30/98 17:

Turnaround Time: (check)
same day ____ 72 hours ____
24 hours ____ 5 days ____
48 hours ____ normal X

Sample Integrity: (Check)
intact ____ on ice ____

Note: Sample(s) will be disposed of after 30 days.

MCKENZIE

RECEIVED
MAY 06 1998
BASIN & RANGE
HYDROGEOLOGISTS

E5350.1.2.16.0.5

West Van Buren WOARF Area

APR 2000
Received
Remedial Projects
Unit

May 4, 1998

Phil Lagas
Basin and Range Hydrogeologists
5080 N. 40th Street, Suite 105
Phoenix, AZ 85018
TEL: (602) 840-3333
FAX: (602) 840-8011

RE: McKenzie Work Orders: 9803215 and 9803230

Dear Phil,

Attached are amended invoices for the above referenced Work Orders. The charges for Trip Blanks have been removed. Also included is an amended Page 4 of the Analytical Results for Work Order 9803230. The qualifier for Tetrachloroethene on your Sample I.D. DIMW3-410-14 (9803230) has been removed at your request.

If you need additional information or require further assistance, please feel free to contact David Benjes, our Technical Services Representative, or myself at (602) 470-0288.

Sincerely,

Maja Cradwick

Laboratory Representative

cc: McKenzie

MCKENZIE

RECEIVED
APR 24 1998
BASIN & RANGE
HYDROGEOLOGISTS

April 22, 1998

Phil Lagas
Basin and Range Hydrogeologists
5080 N. 40th Street, Suite 105
Phoenix, AZ 85018
TEL: (602) 840-3333
FAX: (602) 840-8011

RE: DOLPHIN/91129.102
Work Order No. 9803230

Dear Phil Lagas,

Attached are amended Analytical Results, Case Narrative and corresponding QC for the above referenced Work Order, reported April 21, 1998. These results and QC have been amended to include Trichlorotrifluoroethane, which was inadvertently omitted from the original report. We apologize for any inconvenience this may have caused.

If you need additional information or require further assistance, please feel free to contact David Benjes, our Technical Services Representative, or myself at (602) 470-0288.

Sincerely,

Laboratory Representative

cc: McKenzie

L:\ENV\3230AMENREPT.DOC/rn

MCKENZIE
LABORATORIES

Date Printed: 22-Apr-98

Client: Basin and Range Hydrogeologists
Work Order: 9803230
Project Name: DOLPHIN
Project Number: 91129.102

CASE NARRATIVE

Amended Report

McKenzie Laboratories, Inc. uses the methods outlined in the following references:

Methods for the Determination of Organic Compounds in Drinking Water, EPA-600/4-88/039, Revised July, 1991.

Code of Federal Regulations, 40CFR, Part 136, Revised July 1995.

Standard Methods for the Examination of Water and Wastewater, 19th Edition, 1995.

Methods for Chemical Analysis of Water and Wastes, EPA-600/4-79-020, Revised March 1983.

Methods for the Determination of Inorganic Substances in Environmental Samples, EPA/600/R-93/100, Revised August 1993.

Methods for the Determination of Metals in Environmental Samples, EPA/600/R-94/111, Revised May 1994.

Hach, Water Analysis Handbook, 2nd Edition, 1992.

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, 3rd Edition.

Metals were analyzed using multi-element ICP instrumentation. Some metals reported in the QC report may not be associated with this Work Order.

Secondary Source QC Sample (LCSV) results may not be reported for all methods and/or analysis dates.

All method blanks, laboratory spikes, and/or matrix spikes met quality control objectives for the parameters associated with this Work Order except as noted below.

Analytical Comments for Method EPA524.2, Batch 1080408B:
The following compounds had high percent recoveries in the initial calibration verification standard analyzed in this batch: Trichlorofluoromethane, 1,1-Dichloroethene, Methylene Chloride, trans-1,2-Dichloroethene, 1,1-Dichloroethane, 1,2-Dichloroethane and Naphthalene. These compounds were not detected in the associated samples.
1,1-Dichloroethene had a high percent recovery in the Blank Spike (LCS) and Blank Spike Duplicate (LCSD). This compound was not detected in the associated samples reported from this batch.

Date Printed: 22-Apr-98

Client: Basin and Range Hydrogeologists
Work Order: 9803230
Project Name: DOLPHIN
Project Number: 91129.102

CASE NARRATIVE
Amended Report

Analytical Comments for Method EPA524.2, Method Blank, Batch 1080406B:
n-Butylbenzene was detected in the Method Blank at the reporting limit, due to laboratory contamination. This compound was not detected in the associated samples.

Analytical Comments for Method EPA524.2, Method Blank, Batch 1080407B:
1) The area response of the internal standard compound 1,4-Dichlorobenzene-d4 was low and outside EPA Method 524.2 criteria. Target Compounds whose quantitation is based on the area response of this internal standard were not detected in this sample.
2) The surrogate compound 1,2-Dichlorobenzene-d4 was high and outside McKenzie acceptance criteria. The quantitation of this surrogate is based on the area response of the internal standard 1,4-Dichlorobenzene-d4, therefore results are slightly high.

Analytical Comments for Method EPA524.2, Method Blank, Batch 1080408B:
The area response of the internal standard compound 1,4-Dichlorobenzene-d4 was low and outside EPA Method 524.2 criteria. Target Compounds whose quantitation is based on the area response of this internal standard were not detected in the Method Blank.

Analytical Comments for Method EPA524.2, Sample 9803230-01, Batch 980327B:
The pH of this sample is approximately <2 as determined by test strip.

Analytical Comments for Method EPA524.2, Sample 9803230-02, Batch 980327B:
The pH of this sample is approximately <2 as determined by test strip.

Analytical Comments for Method EPA524.2, Sample 9803230-03, Batch 1080406B:
The pH of this sample is approximately <2 as determined by test strip.

Analytical Comments for Method EPA524.2, Sample 9803230-04, Batch 1080406B:
The pH of this sample is approximately <2 as determined by test strip.

Analytical Comments for Method EPA524.2, Sample 9803230-05, Batch 1080406B:
1) The pH of this sample is approximately <2 as determined by test strip.
2) The area response of the internal standard compound 1,4-Dichlorobenzene-d4 was low and outside EPA Method 524.2 criteria. Target Compounds whose quantitation is based on the area response of this internal standard were not detected in this sample.

Analytical Comments for Method EPA524.2, Sample 9803230-06, Batch 1080406B:
The pH of this sample is approximately <2 as determined by test strip.

Date Printed: 22-Apr-98

Client: Basin and Range Hydrogeologists
Work Order: 9803230
Project Name: DOLPHIN
Project Number: 91129.102

CASE NARRATIVE
Amended Report

Analytical Comments for Method EPA524.2, Sample 9803230-06, Batch 1080407B:
1) The pH of this sample is approximately <2 as determined by test strip.
2) The area response of the internal standard compound 1,4-Dichlorobenzene-d4 was low and outside EPA Method 524.2 criteria. Tetrachloroethene is the only compound reported from this batch. The quantitation of Tetrachloroethene is not based on the area response of this internal standard.

Analytical Comments for Method EPA524.2, Sample 9803230-07, Batch 1080406B:
1) The pH of this sample is approximately <2 as determined by test strip.
2) The area response of the internal standard compound 1,4-Dichlorobenzene-d4 was low and outside EPA Method 524.2 criteria. Target Compounds whose quantitation is based on the area response of this internal standard were not detected in this sample.

Analytical Comments for Method EPA524.2, Sample 9803230-07, Batch 1080407B:
1) The pH of this sample is approximately <2 as determined by test strip.
2) The area response of the internal standard compound 1,4-Dichlorobenzene-d4 was low and outside EPA Method 524.2 criteria. Tetrachloroethene is the only compound reported from this batch. The quantitation of Tetrachloroethene is not based on the area response of this internal standard.

Analytical Comments for Method EPA524.2, Sample 9803230-08, Batch 1080408B:
The pH of this sample is approximately <2 as determined by test strip.

Analytical Comments for Method EPA524.2, Sample 9803230-09, Batch 1080406B:
The pH of this sample is approximately <2 as determined by test strip.

Analytical Comments for Method EPA524.2, Sample 9803230-09, Batch 1080407B:
1) The pH of this sample is approximately <2 as determined by test strip.
2) The area response of the internal standard compound 1,4-Dichlorobenzene-d4 was low and outside EPA Method 524.2 criteria. Tetrachloroethene is the only compound reported from this batch. The quantitation of Tetrachloroethene is not based on the area response of this internal standard.

Analytical Comments for Method EPA524.2, Sample 9803230-10, Batch 1080406B:
1) The pH of this sample is approximately <2 as determined by test strip.
2) The area response of the internal standard compound 1,4-Dichlorobenzene-d4 was low and outside EPA Method 524.2 criteria. Target Compounds whose quantitation is based on the area response of this internal standard were not detected in this sample.

Date Printed: 22-Apr-98

Client: Basin and Range Hydrogeologists
Work Order: 9803230
Project Name: DOLPHIN
Project Number: 91129.102

CASE NARRATIVE
Amended Report

Analytical Comments for Method EPA524.2, Sample 9803230-10, Batch 1080407B:
1) The pH of this sample is approximately <2 as determined by test strip.
2) The area response of the internal standard compound 1,4-Dichlorobenzene-d4 was low and outside EPA Method 524.2 criteria. Tetrachloroethene is the only compound reported from this batch. The quantitation of Tetrachloroethene is not based on the area response of this internal standard.

Analytical Comments for Method EPA524.2, Sample 9803230-11, Batch 1080406B:
1) The pH of this sample is approximately <2 as determined by test strip.
2) The area response of the internal standard compound 1,4-Dichlorobenzene-d4 was low and outside EPA Method 524.2 criteria. Target Compounds whose quantitation is based on the area response of this internal standard were not detected in this sample.

Analytical Comments for Method EPA524.2, Sample 9803230-11, Batch 1080407B:
1) The pH of this sample is approximately <2 as determined by test strip.
2) The area response of the internal standard compound 1,4-Dichlorobenzene-d4 was low and outside EPA Method 524.2 criteria. Tetrachloroethene is the only compound reported from this batch. The quantitation of Tetrachloroethene is not based on the area response of this internal standard.

Analytical Comments for Method EPA524.2, Sample 9803230-12, Batch 1080407B:
1) The pH of this sample is approximately <2 as determined by test strip.
2) The area response of the internal standard compound 1,4-Dichlorobenzene-d4 was low and outside EPA Method 524.2 criteria. Target Compounds whose quantitation is based on the area response of this internal standard were not detected in this sample.

Analytical Comments for Method EPA524.2, Sample 9803230-13, Batch 1080407B:
1) The pH of this sample is approximately <2 as determined by test strip.
2) The area response of the internal standard compound 1,4-Dichlorobenzene-d4 was low and outside EPA Method 524.2 criteria. Target Compounds whose quantitation is based on the area response of this internal standard were not detected in this sample.

McKENZIE LABORATORIES

Date Printed: 22-Apr-98

CLIENT: Basin and Range Hydrogeologists
Work Order: 9803230
Lab ID: 9803230-01
Project Name: DOLPHIN
Project Number: 91129.102

Client Sample ID: DITB-032698
Collection Date: 3/26/98 8:00:00 AM
Matrix: AQUEOUS

Analyte	Result	Limit	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Benzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 3:05:00 PM	JMK	980327B
Bromobenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 3:05:00 PM	JMK	980327B
Bromochloromethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 3:05:00 PM	JMK	980327B
Bromodichloromethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 3:05:00 PM	JMK	980327B
Bromoform	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 3:05:00 PM	JMK	980327B
Bromomethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 3:05:00 PM	JMK	980327B
n-Butylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 3:05:00 PM	JMK	980327B
sec-Butylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 3:05:00 PM	JMK	980327B
tert-Butylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 3:05:00 PM	JMK	980327B
Carbon tetrachloride	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 3:05:00 PM	JMK	980327B
Chlorobenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 3:05:00 PM	JMK	980327B
Chloroethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 3:05:00 PM	JMK	980327B
Chloroform	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 3:05:00 PM	JMK	980327B
Chloromethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 3:05:00 PM	JMK	980327B
2-Chlorotoluene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 3:05:00 PM	JMK	980327B
4-Chlorotoluene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 3:05:00 PM	JMK	980327B
Dibromochloromethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 3:05:00 PM	JMK	980327B
1,2-Dibromo-3-chloropropane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 3:05:00 PM	JMK	980327B
1,2-Dibromoethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 3:05:00 PM	JMK	980327B
Dibromomethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 3:05:00 PM	JMK	980327B
1,2-Dichlorobenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 3:05:00 PM	JMK	980327B
1,3-Dichlorobenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 3:05:00 PM	JMK	980327B
1,4-Dichlorobenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 3:05:00 PM	JMK	980327B
Dichlorodifluoromethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 3:05:00 PM	JMK	980327B
1,1-Dichloroethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 3:05:00 PM	JMK	980327B
1,2-Dichloroethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 3:05:00 PM	JMK	980327B
1,1-Dichloroethene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 3:05:00 PM	JMK	980327B
cis-1,2-Dichloroethene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 3:05:00 PM	JMK	980327B
trans-1,2-Dichloroethene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 3:05:00 PM	JMK	980327B
1,2-Dichloropropane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 3:05:00 PM	JMK	980327B
1,3-Dichloropropane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 3:05:00 PM	JMK	980327B
2,2-Dichloropropane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 3:05:00 PM	JMK	980327B
1,1-Dichloropropene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 3:05:00 PM	JMK	980327B
cis-1,3-Dichloropropene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 3:05:00 PM	JMK	980327B
trans-1,3-Dichloropropene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 3:05:00 PM	JMK	980327B
Ethylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 3:05:00 PM	JMK	980327B
Hexachlorobutadiene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 3:05:00 PM	JMK	980327B
Isopropylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 3:05:00 PM	JMK	980327B
4-Isopropyltoluene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 3:05:00 PM	JMK	980327B

Qualifiers:

S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
H - Analyzed past EPA recommended Holding Time
X - Value exceeds Maximum Contaminant Level
R - RPD outside accepted recovery limits
E - Value above quantitation range
D - Surrogate diluted out

Confidential and Privileged

Amended Report

McKENZIE LABORATORIES

Date Printed: 22-Apr-98

CLIENT: Basin and Range Hydrogeologists
Work Order: 9803230
Lab ID: 9803230-01
Project Name: DOLPHIN
Project Number: 91129.102

Client Sample ID: DITB-032698
Collection Date: 3/26/98 8:00:00 AM
Matrix: AQUEOUS

Analyte	Result	Limit	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Methyl tert-butyl ether	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 3:05:00 PM	JMK	980327B
Methylene chloride	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 3:05:00 PM	JMK	980327B
Naphthalene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 3:05:00 PM	JMK	980327B
n-Propylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 3:05:00 PM	JMK	980327B
Styrene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 3:05:00 PM	JMK	980327B
1,1,1,2-Tetrachloroethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 3:05:00 PM	JMK	980327B
1,1,2,2-Tetrachloroethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 3:05:00 PM	JMK	980327B
Tetrachloroethene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 3:05:00 PM	JMK	980327B
Toluene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 3:05:00 PM	JMK	980327B
1,2,3-Trichlorobenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 3:05:00 PM	JMK	980327B
1,2,4-Trichlorobenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 3:05:00 PM	JMK	980327B
1,1,1-Trichloroethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 3:05:00 PM	JMK	980327B
1,1,2-Trichloroethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 3:05:00 PM	JMK	980327B
Trichloroethene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 3:05:00 PM	JMK	980327B
Trichlorofluoromethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 3:05:00 PM	JMK	980327B
Trichlorotrifluoroethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 3:05:00 PM	JMK	980327B
1,2,3-Trichloropropane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 3:05:00 PM	JMK	980327B
1,2,4-Trimethylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 3:05:00 PM	JMK	980327B
1,3,5-Trimethylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 3:05:00 PM	JMK	980327B
Vinyl chloride	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 3:05:00 PM	JMK	980327B
m,p-Xylene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 3:05:00 PM	JMK	980327B
o-Xylene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 3:05:00 PM	JMK	980327B
Xylenes, total	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 3:05:00 PM	JMK	980327B
4-Bromofluorobenzene	114	70-130		%REC	1	EPA524.2	N/A	3/27/98 3:05:00 PM	JMK	980327B
1,2-Dichlorobenzene-d4	122	70-130		%REC	1	EPA524.2	N/A	3/27/98 3:05:00 PM	JMK	980327B

Qualifiers:

S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
H - Analyzed past EPA recommended Holding Time
X - Value exceeds Maximum Contaminant Level
R - RPD outside accepted recovery limits
E - Value above quantitation range
D - Surrogate diluted out

Confidential and Privileged

Amended Report

CLIENT: Basin and Range Hydrogeologists
Work Order: 9803230
Lab ID: 9803230-02
Project Name: DOLPHIN
Project Number: 91129.102

Client Sample ID: DIMW3-410-14
Collection Date: 3/26/98 8:31:00 AM
Matrix: AQUEOUS

Analyte	Result	Limit	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Benzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 7:22:00 PM	JMK	980327B
Bromobenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 7:22:00 PM	JMK	980327B
Bromochloromethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 7:22:00 PM	JMK	980327B
Bromodichloromethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 7:22:00 PM	JMK	980327B
Bromoform	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 7:22:00 PM	JMK	980327B
Bromomethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 7:22:00 PM	JMK	980327B
n-Butylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 7:22:00 PM	JMK	980327B
sec-Butylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 7:22:00 PM	JMK	980327B
tert-Butylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 7:22:00 PM	JMK	980327B
Carbon tetrachloride	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 7:22:00 PM	JMK	980327B
Chlorobenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 7:22:00 PM	JMK	980327B
Chloroethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 7:22:00 PM	JMK	980327B
Chloroform	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 7:22:00 PM	JMK	980327B
Chloromethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 7:22:00 PM	JMK	980327B
2-Chlorotoluene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 7:22:00 PM	JMK	980327B
4-Chlorotoluene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 7:22:00 PM	JMK	980327B
Dibromochloromethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 7:22:00 PM	JMK	980327B
1,2-Dibromo-3-chloropropane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 7:22:00 PM	JMK	980327B
1,2-Dibromoethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 7:22:00 PM	JMK	980327B
Dibromomethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 7:22:00 PM	JMK	980327B
1,2-Dichlorobenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 7:22:00 PM	JMK	980327B
1,3-Dichlorobenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 7:22:00 PM	JMK	980327B
1,4-Dichlorobenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 7:22:00 PM	JMK	980327B
Dichlorodifluoromethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 7:22:00 PM	JMK	980327B
1,1-Dichloroethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 7:22:00 PM	JMK	980327B
1,2-Dichloroethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 7:22:00 PM	JMK	980327B
1,1-Dichloroethene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 7:22:00 PM	JMK	980327B
cis-1,2-Dichloroethene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 7:22:00 PM	JMK	980327B
trans-1,2-Dichloroethene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 7:22:00 PM	JMK	980327B
1,2-Dichloropropane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 7:22:00 PM	JMK	980327B
1,3-Dichloropropane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 7:22:00 PM	JMK	980327B
2,2-Dichloropropane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 7:22:00 PM	JMK	980327B
1,1-Dichloropropene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 7:22:00 PM	JMK	980327B
cis-1,3-Dichloropropene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 7:22:00 PM	JMK	980327B
trans-1,3-Dichloropropene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 7:22:00 PM	JMK	980327B
Ethylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 7:22:00 PM	JMK	980327B
Hexachlorobutadiene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 7:22:00 PM	JMK	980327B
Isopropylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 7:22:00 PM	JMK	980327B
4-Isopropyltoluene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 7:22:00 PM	JMK	980327B

Qualifiers:

S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
H - Analyzed past EPA recommended Holding Time
X - Value exceeds Maximum Contaminant Level
R - RPD outside accepted recovery limits
E - Value above quantitation range
D - Surrogate diluted out

Confidential and Privileged

Amended Report

McKENZIE LABORATORIES

Date Printed: 22-Apr-98

CLIENT: Basin and Range Hydrogeologists
Work Order: 9803230
Lab ID: 9803230-02
Project Name: DOLPHIN
Project Number: 91129.102

Client Sample ID: DIMW3-410-14
Collection Date: 3/26/98 8:31:00 AM
Matrix: AQUEOUS

Analyte	Result	Limit	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Methyl tert-butyl ether	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 7:22:00 PM	JMK	980327B
Methylene chloride	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 7:22:00 PM	JMK	980327B
Naphthalene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 7:22:00 PM	JMK	980327B
n-Propylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 7:22:00 PM	JMK	980327B
Styrene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 7:22:00 PM	JMK	980327B
1,1,1,2-Tetrachloroethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 7:22:00 PM	JMK	980327B
1,1,2,2-Tetrachloroethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 7:22:00 PM	JMK	980327B
Tetrachloroethene	0.7	0.5		µg/L	1	EPA524.2	N/A	3/27/98 7:22:00 PM	JMK	980327B
Toluene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 7:22:00 PM	JMK	980327B
1,2,3-Trichlorobenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 7:22:00 PM	JMK	980327B
1,2,4-Trichlorobenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 7:22:00 PM	JMK	980327B
1,1,1-Trichloroethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 7:22:00 PM	JMK	980327B
1,1,2-Trichloroethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 7:22:00 PM	JMK	980327B
Trichloroethene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 7:22:00 PM	JMK	980327B
Trichlorofluoromethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 7:22:00 PM	JMK	980327B
Trichlorotrifluoroethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 7:22:00 PM	JMK	980327B
1,2,3-Trichloropropane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 7:22:00 PM	JMK	980327B
1,2,4-Trimethylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 7:22:00 PM	JMK	980327B
1,3,5-Trimethylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 7:22:00 PM	JMK	980327B
Vinyl chloride	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 7:22:00 PM	JMK	980327B
m,p-Xylene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 7:22:00 PM	JMK	980327B
o-Xylene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 7:22:00 PM	JMK	980327B
Xylenes, total	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 7:22:00 PM	JMK	980327B
4-Bromofluorobenzene	114	70-130		%REC	1	EPA524.2	N/A	3/27/98 7:22:00 PM	JMK	980327B
1,2-Dichlorobenzene-d4	121	70-130		%REC	1	EPA524.2	N/A	3/27/98 7:22:00 PM	JMK	980327B

Qualifiers:

S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
H - Analyzed past EPA recommended Holding Time
X - Value exceeds Maximum Contaminant Level
R - RPD outside accepted recovery limits
E - Value above quantitation range
D - Surrogate diluted out

Confidential and Privileged

Amended Report

McKENZIE LABORATORIES

Date Printed: 22-Apr-98

CLIENT: Basin and Range Hydrogeologists
Work Order: 9803230
Lab ID: 9803230-03
Project Name: DOLPHIN
Project Number: 91129.102

Client Sample ID: DIMW3-345-14
Collection Date: 3/26/98 8:52:00 AM
Matrix: AQUEOUS

Analyte	Result	Limit	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Benzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 10:26:00 PM	JMK	1080406B
Bromobenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 10:26:00 PM	JMK	1080406B
Bromochloromethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 10:26:00 PM	JMK	1080406B
Bromodichloromethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 10:26:00 PM	JMK	1080406B
Bromoform	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 10:26:00 PM	JMK	1080406B
Bromomethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 10:26:00 PM	JMK	1080406B
n-Butylbenzene	<0.5	0.5	B	µg/L	1	EPA524.2	N/A	4/6/98 10:26:00 PM	JMK	1080406B
sec-Butylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 10:26:00 PM	JMK	1080406B
tert-Butylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 10:26:00 PM	JMK	1080406B
Carbon tetrachloride	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 10:26:00 PM	JMK	1080406B
Chlorobenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 10:26:00 PM	JMK	1080406B
Chloroethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 10:26:00 PM	JMK	1080406B
Chloroform	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 10:26:00 PM	JMK	1080406B
Chloromethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 10:26:00 PM	JMK	1080406B
2-Chlorotoluene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 10:26:00 PM	JMK	1080406B
4-Chlorotoluene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 10:26:00 PM	JMK	1080406B
Dibromochloromethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 10:26:00 PM	JMK	1080406B
1,2-Dibromo-3-chloropropane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 10:26:00 PM	JMK	1080406B
1,2-Dibromoethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 10:26:00 PM	JMK	1080406B
Dibromomethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 10:26:00 PM	JMK	1080406B
1,2-Dichlorobenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 10:26:00 PM	JMK	1080406B
1,3-Dichlorobenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 10:26:00 PM	JMK	1080406B
1,4-Dichlorobenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 10:26:00 PM	JMK	1080406B
Dichlorodifluoromethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 10:26:00 PM	JMK	1080406B
1,1-Dichloroethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 10:26:00 PM	JMK	1080406B
1,2-Dichloroethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 10:26:00 PM	JMK	1080406B
1,1-Dichloroethene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 10:26:00 PM	JMK	1080406B
cis-1,2-Dichloroethene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 10:26:00 PM	JMK	1080406B
trans-1,2-Dichloroethene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 10:26:00 PM	JMK	1080406B
1,2-Dichloropropane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 10:26:00 PM	JMK	1080406B
1,3-Dichloropropane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 10:26:00 PM	JMK	1080406B
2,2-Dichloropropane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 10:26:00 PM	JMK	1080406B
1,1-Dichloropropene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 10:26:00 PM	JMK	1080406B
cis-1,3-Dichloropropene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 10:26:00 PM	JMK	1080406B
trans-1,3-Dichloropropene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 10:26:00 PM	JMK	1080406B
Ethylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 10:26:00 PM	JMK	1080406B
Hexachlorobutadiene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 10:26:00 PM	JMK	1080406B
Isopropylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 10:26:00 PM	JMK	1080406B
4-Isopropyltoluene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 10:26:00 PM	JMK	1080406B

Qualifiers:

S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
H - Analyzed past EPA recommended Holding Time
X - Value exceeds Maximum Contaminant Level
R - RPD outside accepted recovery limits
E - Value above quantitation range
D - Surrogate diluted out

Confidential and Privileged

Amended Report

McKENZIE LABORATORIES

Date Printed: 22-Apr-98

CLIENT: Basin and Range Hydrogeologists
Work Order: 9803230
Lab ID: 9803230-03
Project Name: DOLPHIN
Project Number: 91129.102

Client Sample ID: DIMW3-345-14
Collection Date: 3/26/98 8:52:00 AM
Matrix: AQUEOUS

Analyte	Result	Limit	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Methyl tert-butyl ether	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 10:26:00 PM	JMK	1080406B
Methylene chloride	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 10:26:00 PM	JMK	1080406B
Naphthalene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 10:26:00 PM	JMK	1080406B
n-Propylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 10:26:00 PM	JMK	1080406B
Styrene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 10:26:00 PM	JMK	1080406B
1,1,1,2-Tetrachloroethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 10:26:00 PM	JMK	1080406B
1,1,2,2-Tetrachloroethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 10:26:00 PM	JMK	1080406B
Tetrachloroethene	0.7	0.5		µg/L	1	EPA524.2	N/A	4/6/98 10:26:00 PM	JMK	1080406B
Toluene	0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 10:26:00 PM	JMK	1080406B
1,2,3-Trichlorobenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 10:26:00 PM	JMK	1080406B
1,2,4-Trichlorobenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 10:26:00 PM	JMK	1080406B
1,1,1-Trichloroethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 10:26:00 PM	JMK	1080406B
1,1,2-Trichloroethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 10:26:00 PM	JMK	1080406B
Trichloroethene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 10:26:00 PM	JMK	1080406B
Trichlorofluoromethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 10:26:00 PM	JMK	1080406B
Trichlorotrifluoroethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 10:26:00 PM	JMK	1080406B
1,2,3-Trichloropropane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 10:26:00 PM	JMK	1080406B
1,2,4-Trimethylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 10:26:00 PM	JMK	1080406B
1,3,5-Trimethylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 10:26:00 PM	JMK	1080406B
Vinyl chloride	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 10:26:00 PM	JMK	1080406B
m,p-Xylene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 10:26:00 PM	JMK	1080406B
o-Xylene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 10:26:00 PM	JMK	1080406B
Xylenes, total	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 10:26:00 PM	JMK	1080406B
4-Bromofluorobenzene	121	70-130		%REC	1	EPA524.2	N/A	4/6/98 10:26:00 PM	JMK	1080406B
1,2-Dichlorobenzene-d4	124	70-130		%REC	1	EPA524.2	N/A	4/6/98 10:26:00 PM	JMK	1080406B

Qualifiers:

S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
H - Analyzed past EPA recommended Holding Time
X - Value exceeds Maximum Contaminant Level
R - RPD outside accepted recovery limits
E - Value above quantitation range
D - Surrogate diluted out

Confidential and Privileged

Amended Report

McKENZIE LABORATORIES

Date Printed: 22-Apr-98

CLIENT: Basin and Range Hydrogeologists
Work Order: 9803230
Lab ID: 9803230-04
Project Name: DOLPHIN
Project Number: 91129.102

Client Sample ID: DIMW3-240-14
Collection Date: 3/26/98 9:06:00 AM
Matrix: AQUEOUS

Analyte	Result	Limit	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Benzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 11:09:00 PM	JMK	1080406B
Bromobenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 11:09:00 PM	JMK	1080406B
Bromochloromethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 11:09:00 PM	JMK	1080406B
Bromodichloromethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 11:09:00 PM	JMK	1080406B
Bromoform	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 11:09:00 PM	JMK	1080406B
Bromomethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 11:09:00 PM	JMK	1080406B
n-Butylbenzene	<0.5	0.5	B	µg/L	1	EPA524.2	N/A	4/6/98 11:09:00 PM	JMK	1080406B
sec-Butylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 11:09:00 PM	JMK	1080406B
tert-Butylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 11:09:00 PM	JMK	1080406B
Carbon tetrachloride	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 11:09:00 PM	JMK	1080406B
Chlorobenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 11:09:00 PM	JMK	1080406B
Chloroethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 11:09:00 PM	JMK	1080406B
Chloroform	2.2	0.5		µg/L	1	EPA524.2	N/A	4/6/98 11:09:00 PM	JMK	1080406B
Chloromethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 11:09:00 PM	JMK	1080406B
2-Chlorotoluene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 11:09:00 PM	JMK	1080406B
4-Chlorotoluene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 11:09:00 PM	JMK	1080406B
Dibromochloromethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 11:09:00 PM	JMK	1080406B
1,2-Dibromo-3-chloropropane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 11:09:00 PM	JMK	1080406B
1,2-Dibromoethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 11:09:00 PM	JMK	1080406B
Dibromomethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 11:09:00 PM	JMK	1080406B
1,2-Dichlorobenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 11:09:00 PM	JMK	1080406B
1,3-Dichlorobenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 11:09:00 PM	JMK	1080406B
1,4-Dichlorobenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 11:09:00 PM	JMK	1080406B
Dichlorodifluoromethane	0.7	0.5		µg/L	1	EPA524.2	N/A	4/6/98 11:09:00 PM	JMK	1080406B
1,1-Dichloroethane	1.2	0.5		µg/L	1	EPA524.2	N/A	4/6/98 11:09:00 PM	JMK	1080406B
1,2-Dichloroethane	0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 11:09:00 PM	JMK	1080406B
1,1-Dichloroethene	12	0.5		µg/L	1	EPA524.2	N/A	4/6/98 11:09:00 PM	JMK	1080406B
cis-1,2-Dichloroethene	0.9	0.5		µg/L	1	EPA524.2	N/A	4/6/98 11:09:00 PM	JMK	1080406B
trans-1,2-Dichloroethene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 11:09:00 PM	JMK	1080406B
1,2-Dichloropropane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 11:09:00 PM	JMK	1080406B
1,3-Dichloropropane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 11:09:00 PM	JMK	1080406B
2,2-Dichloropropane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 11:09:00 PM	JMK	1080406B
1,1-Dichloropropene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 11:09:00 PM	JMK	1080406B
cis-1,3-Dichloropropene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 11:09:00 PM	JMK	1080406B
trans-1,3-Dichloropropene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 11:09:00 PM	JMK	1080406B
Ethylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 11:09:00 PM	JMK	1080406B
Hexachlorobutadiene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 11:09:00 PM	JMK	1080406B
Isopropylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 11:09:00 PM	JMK	1080406B
4-Isopropyltoluene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 11:09:00 PM	JMK	1080406B

Qualifiers:

S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
H - Analyzed past EPA recommended Holding Time
X - Value exceeds Maximum Contaminant Level
R - RPD outside accepted recovery limits
E - Value above quantitation range
D - Surrogate diluted out

Confidential and Privileged

Amended Report

McKENZIE LABORATORIES

Date Printed: 22-Apr-98

CLIENT: Basin and Range Hydrogeologists
Work Order: 9803230
Lab ID: 9803230-04
Project Name: DOLPHIN
Project Number: 91129.102

Client Sample ID: DIMW3-240-14
Collection Date: 3/26/98 9:06:00 AM
Matrix: AQUEOUS

Analyte	Result	Limit	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Methyl tert-butyl ether	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 11:09:00 PM	JMK	1080406B
Methylene chloride	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 11:09:00 PM	JMK	1080406B
Naphthalene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 11:09:00 PM	JMK	1080406B
n-Propylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 11:09:00 PM	JMK	1080406B
Styrene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 11:09:00 PM	JMK	1080406B
1,1,1,2-Tetrachloroethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 11:09:00 PM	JMK	1080406B
1,1,2,2-Tetrachloroethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 11:09:00 PM	JMK	1080406B
Tetrachloroethene	48	0.5		µg/L	1	EPA524.2	N/A	4/6/98 11:09:00 PM	JMK	1080406B
Toluene	0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 11:09:00 PM	JMK	1080406B
1,2,3-Trichlorobenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 11:09:00 PM	JMK	1080406B
1,2,4-Trichlorobenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 11:09:00 PM	JMK	1080406B
1,1,1-Trichloroethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 11:09:00 PM	JMK	1080406B
1,1,2-Trichloroethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 11:09:00 PM	JMK	1080406B
Trichloroethene	26	0.5		µg/L	1	EPA524.2	N/A	4/6/98 11:09:00 PM	JMK	1080406B
Trichlorofluoromethane	2.3	0.5		µg/L	1	EPA524.2	N/A	4/6/98 11:09:00 PM	JMK	1080406B
Trichlorotrifluoroethane	3.4	0.5		µg/L	1	EPA524.2	N/A	4/6/98 11:09:00 PM	JMK	1080406B
1,2,3-Trichloropropane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 11:09:00 PM	JMK	1080406B
1,2,4-Trimethylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 11:09:00 PM	JMK	1080406B
1,3,5-Trimethylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 11:09:00 PM	JMK	1080406B
Vinyl chloride	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 11:09:00 PM	JMK	1080406B
m,p-Xylene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 11:09:00 PM	JMK	1080406B
o-Xylene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 11:09:00 PM	JMK	1080406B
Xylenes, total	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 11:09:00 PM	JMK	1080406B
4-Bromofluorobenzene	122	70-130		%REC	1	EPA524.2	N/A	4/6/98 11:09:00 PM	JMK	1080406B
1,2-Dichlorobenzene-d4	123	70-130		%REC	1	EPA524.2	N/A	4/6/98 11:09:00 PM	JMK	1080406B

Qualifiers:

S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
H - Analyzed past EPA recommended Holding Time
X - Value exceeds Maximum Contaminant Level
R - RPD outside accepted recovery limits
E - Value above quantitation range
D - Surrogate diluted out

Confidential and Privileged

Amended Report

McKENZIE LABORATORIES

Date Printed: 22-Apr-98

CLIENT: Basin and Range Hydrogeologists
Work Order: 9803230
Lab ID: 9803230-05
Project Name: DOLPHIN
Project Number: 91129.102

Client Sample ID: DIMW3-165-14
Collection Date: 3/26/98 9:21:00 AM
Matrix: AQUEOUS

Analyte	Result	Limit	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Benzene	<2.5	2.5		µg/L	5	EPA524.2	N/A	4/6/98 11:52:00 PM	JMK	1080406B
Bromobenzene	<2.5	2.5		µg/L	5	EPA524.2	N/A	4/6/98 11:52:00 PM	JMK	1080406B
Bromochloromethane	<2.5	2.5		µg/L	5	EPA524.2	N/A	4/6/98 11:52:00 PM	JMK	1080406B
Bromodichloromethane	<2.5	2.5		µg/L	5	EPA524.2	N/A	4/6/98 11:52:00 PM	JMK	1080406B
Bromoform	<2.5	2.5		µg/L	5	EPA524.2	N/A	4/6/98 11:52:00 PM	JMK	1080406B
Bromomethane	<2.5	2.5		µg/L	5	EPA524.2	N/A	4/6/98 11:52:00 PM	JMK	1080406B
n-Butylbenzene	<2.5	2.5	B	µg/L	5	EPA524.2	N/A	4/6/98 11:52:00 PM	JMK	1080406B
sec-Butylbenzene	<2.5	2.5		µg/L	5	EPA524.2	N/A	4/6/98 11:52:00 PM	JMK	1080406B
tert-Butylbenzene	<2.5	2.5		µg/L	5	EPA524.2	N/A	4/6/98 11:52:00 PM	JMK	1080406B
Carbon tetrachloride	<2.5	2.5		µg/L	5	EPA524.2	N/A	4/6/98 11:52:00 PM	JMK	1080406B
Chlorobenzene	<2.5	2.5		µg/L	5	EPA524.2	N/A	4/6/98 11:52:00 PM	JMK	1080406B
Chloroethane	<2.5	2.5		µg/L	5	EPA524.2	N/A	4/6/98 11:52:00 PM	JMK	1080406B
Chloroform	8.7	2.5		µg/L	5	EPA524.2	N/A	4/6/98 11:52:00 PM	JMK	1080406B
Chloromethane	<2.5	2.5		µg/L	5	EPA524.2	N/A	4/6/98 11:52:00 PM	JMK	1080406B
2-Chlorotoluene	<2.5	2.5		µg/L	5	EPA524.2	N/A	4/6/98 11:52:00 PM	JMK	1080406B
4-Chlorotoluene	<2.5	2.5		µg/L	5	EPA524.2	N/A	4/6/98 11:52:00 PM	JMK	1080406B
Dibromochloromethane	<2.5	2.5		µg/L	5	EPA524.2	N/A	4/6/98 11:52:00 PM	JMK	1080406B
1,2-Dibromo-3-chloropropane	<2.5	2.5		µg/L	5	EPA524.2	N/A	4/6/98 11:52:00 PM	JMK	1080406B
1,2-Dibromoethane	<2.5	2.5		µg/L	5	EPA524.2	N/A	4/6/98 11:52:00 PM	JMK	1080406B
Dibromomethane	<2.5	2.5		µg/L	5	EPA524.2	N/A	4/6/98 11:52:00 PM	JMK	1080406B
1,2-Dichlorobenzene	<2.5	2.5		µg/L	5	EPA524.2	N/A	4/6/98 11:52:00 PM	JMK	1080406B
1,3-Dichlorobenzene	<2.5	2.5		µg/L	5	EPA524.2	N/A	4/6/98 11:52:00 PM	JMK	1080406B
1,4-Dichlorobenzene	<2.5	2.5		µg/L	5	EPA524.2	N/A	4/6/98 11:52:00 PM	JMK	1080406B
Dichlorodifluoromethane	2.6	2.5		µg/L	5	EPA524.2	N/A	4/6/98 11:52:00 PM	JMK	1080406B
1,1-Dichloroethane	<2.5	2.5		µg/L	5	EPA524.2	N/A	4/6/98 11:52:00 PM	JMK	1080406B
1,2-Dichloroethane	<2.5	2.5		µg/L	5	EPA524.2	N/A	4/6/98 11:52:00 PM	JMK	1080406B
1,1-Dichloroethene	21	2.5		µg/L	5	EPA524.2	N/A	4/6/98 11:52:00 PM	JMK	1080406B
cis-1,2-Dichloroethene	2.8	2.5		µg/L	5	EPA524.2	N/A	4/6/98 11:52:00 PM	JMK	1080406B
trans-1,2-Dichloroethene	<2.5	2.5		µg/L	5	EPA524.2	N/A	4/6/98 11:52:00 PM	JMK	1080406B
1,2-Dichloropropane	<2.5	2.5		µg/L	5	EPA524.2	N/A	4/6/98 11:52:00 PM	JMK	1080406B
1,3-Dichloropropane	<2.5	2.5		µg/L	5	EPA524.2	N/A	4/6/98 11:52:00 PM	JMK	1080406B
2,2-Dichloropropane	<2.5	2.5		µg/L	5	EPA524.2	N/A	4/6/98 11:52:00 PM	JMK	1080406B
1,1-Dichloropropene	<2.5	2.5		µg/L	5	EPA524.2	N/A	4/6/98 11:52:00 PM	JMK	1080406B
cis-1,3-Dichloropropene	<2.5	2.5		µg/L	5	EPA524.2	N/A	4/6/98 11:52:00 PM	JMK	1080406B
trans-1,3-Dichloropropene	<2.5	2.5		µg/L	5	EPA524.2	N/A	4/6/98 11:52:00 PM	JMK	1080406B
Ethylbenzene	<2.5	2.5		µg/L	5	EPA524.2	N/A	4/6/98 11:52:00 PM	JMK	1080406B
Hexachlorobutadiene	<2.5	2.5		µg/L	5	EPA524.2	N/A	4/6/98 11:52:00 PM	JMK	1080406B
Isopropylbenzene	<2.5	2.5		µg/L	5	EPA524.2	N/A	4/6/98 11:52:00 PM	JMK	1080406B
4-Isopropyltoluene	<2.5	2.5		µg/L	5	EPA524.2	N/A	4/6/98 11:52:00 PM	JMK	1080406B

Qualifiers:

S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
H - Analyzed past EPA recommended Holding Time
X - Value exceeds Maximum Contaminant Level
R - RPD outside accepted recovery limits
E - Value above quantitation range
D - Surrogate diluted out

Confidential and Privileged

Amended Report

McKENZIE LABORATORIES

Date Printed: 22-Apr-98

CLIENT: Basin and Range Hydrogeologists
Work Order: 9803230
Lab ID: 9803230-05
Project Name: DOLPHIN
Project Number: 91129.102

Client Sample ID: DIMW3-165-14
Collection Date: 3/26/98 9:21:00 AM
Matrix: AQUEOUS

Analyte	Result	Limit	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Methyl tert-butyl ether	<2.5	2.5		µg/L	5	EPA524.2	N/A	4/6/98 11:52:00 PM	JMK	1080406B
Methylene chloride	<2.5	2.5		µg/L	5	EPA524.2	N/A	4/6/98 11:52:00 PM	JMK	1080406B
Naphthalene	<2.5	2.5		µg/L	5	EPA524.2	N/A	4/6/98 11:52:00 PM	JMK	1080406B
n-Propylbenzene	<2.5	2.5		µg/L	5	EPA524.2	N/A	4/6/98 11:52:00 PM	JMK	1080406B
Styrene	<2.5	2.5		µg/L	5	EPA524.2	N/A	4/6/98 11:52:00 PM	JMK	1080406B
1,1,1,2-Tetrachloroethane	<2.5	2.5		µg/L	5	EPA524.2	N/A	4/6/98 11:52:00 PM	JMK	1080406B
1,1,2,2-Tetrachloroethane	<2.5	2.5		µg/L	5	EPA524.2	N/A	4/6/98 11:52:00 PM	JMK	1080406B
Tetrachloroethene	100	2.5		µg/L	5	EPA524.2	N/A	4/6/98 11:52:00 PM	JMK	1080406B
Toluene	<2.5	2.5		µg/L	5	EPA524.2	N/A	4/6/98 11:52:00 PM	JMK	1080406B
1,2,3-Trichlorobenzene	<2.5	2.5		µg/L	5	EPA524.2	N/A	4/6/98 11:52:00 PM	JMK	1080406B
1,2,4-Trichlorobenzene	<2.5	2.5		µg/L	5	EPA524.2	N/A	4/6/98 11:52:00 PM	JMK	1080406B
1,1,1-Trichloroethane	<2.5	2.5		µg/L	5	EPA524.2	N/A	4/6/98 11:52:00 PM	JMK	1080406B
1,1,2-Trichloroethane	<2.5	2.5		µg/L	5	EPA524.2	N/A	4/6/98 11:52:00 PM	JMK	1080406B
Trichloroethene	32	2.5		µg/L	5	EPA524.2	N/A	4/6/98 11:52:00 PM	JMK	1080406B
Trichlorofluoromethane	3.1	2.5		µg/L	5	EPA524.2	N/A	4/6/98 11:52:00 PM	JMK	1080406B
Trichlorotrifluoroethane	14	2.5		µg/L	5	EPA524.2	N/A	4/6/98 11:52:00 PM	JMK	1080406B
1,2,3-Trichloropropane	<2.5	2.5		µg/L	5	EPA524.2	N/A	4/6/98 11:52:00 PM	JMK	1080406B
1,2,4-Trimethylbenzene	<2.5	2.5		µg/L	5	EPA524.2	N/A	4/6/98 11:52:00 PM	JMK	1080406B
1,3,5-Trimethylbenzene	<2.5	2.5		µg/L	5	EPA524.2	N/A	4/6/98 11:52:00 PM	JMK	1080406B
Vinyl chloride	<2.5	2.5		µg/L	5	EPA524.2	N/A	4/6/98 11:52:00 PM	JMK	1080406B
m,p-Xylene	<2.5	2.5		µg/L	5	EPA524.2	N/A	4/6/98 11:52:00 PM	JMK	1080406B
o-Xylene	<2.5	2.5		µg/L	5	EPA524.2	N/A	4/6/98 11:52:00 PM	JMK	1080406B
Xylenes, total	<2.5	2.5		µg/L	5	EPA524.2	N/A	4/6/98 11:52:00 PM	JMK	1080406B
4-Bromofluorobenzene	122	70-130		%REC	5	EPA524.2	N/A	4/6/98 11:52:00 PM	JMK	1080406B
1,2-Dichlorobenzene-d4	125	70-130		%REC	5	EPA524.2	N/A	4/6/98 11:52:00 PM	JMK	1080406B

Qualifiers:

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B - Analyte detected in the associated Method Blank
H - Analyzed past EPA recommended Holding Time
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Amended Report

McKENZIE LABORATORIES

Date Printed: 22-Apr-98

CLIENT: Basin and Range Hydrogeologists
Work Order: 9803230
Lab ID: 9803230-06
Project Name: DOLPHIN
Project Number: 91129.102

Client Sample ID: DIMW3-90-14
Collection Date: 3/26/98 9:40:00 AM
Matrix: AQUEOUS

Analyte	Result	Limit	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Benzene	<5.0	5.0		µg/L	10	EPA524.2	N/A	4/7/98 12:35:00 AM	JMK	1080406B
Bromobenzene	<5.0	5.0		µg/L	10	EPA524.2	N/A	4/7/98 12:35:00 AM	JMK	1080406B
Bromochloromethane	<5.0	5.0		µg/L	10	EPA524.2	N/A	4/7/98 12:35:00 AM	JMK	1080406B
Bromodichloromethane	<5.0	5.0		µg/L	10	EPA524.2	N/A	4/7/98 12:35:00 AM	JMK	1080406B
Bromoform	<5.0	5.0		µg/L	10	EPA524.2	N/A	4/7/98 12:35:00 AM	JMK	1080406B
Bromomethane	<5.0	5.0		µg/L	10	EPA524.2	N/A	4/7/98 12:35:00 AM	JMK	1080406B
n-Butylbenzene	<5.0	5.0	B	µg/L	10	EPA524.2	N/A	4/7/98 12:35:00 AM	JMK	1080406B
sec-Butylbenzene	<5.0	5.0		µg/L	10	EPA524.2	N/A	4/7/98 12:35:00 AM	JMK	1080406B
tert-Butylbenzene	<5.0	5.0		µg/L	10	EPA524.2	N/A	4/7/98 12:35:00 AM	JMK	1080406B
Carbon tetrachloride	<5.0	5.0		µg/L	10	EPA524.2	N/A	4/7/98 12:35:00 AM	JMK	1080406B
Chlorobenzene	<5.0	5.0		µg/L	10	EPA524.2	N/A	4/7/98 12:35:00 AM	JMK	1080406B
Chloroethane	<5.0	5.0		µg/L	10	EPA524.2	N/A	4/7/98 12:35:00 AM	JMK	1080406B
Chloroform	10	5.0		µg/L	10	EPA524.2	N/A	4/7/98 12:35:00 AM	JMK	1080406B
Chloromethane	<5.0	5.0		µg/L	10	EPA524.2	N/A	4/7/98 12:35:00 AM	JMK	1080406B
2-Chlorotoluene	<5.0	5.0		µg/L	10	EPA524.2	N/A	4/7/98 12:35:00 AM	JMK	1080406B
4-Chlorotoluene	<5.0	5.0		µg/L	10	EPA524.2	N/A	4/7/98 12:35:00 AM	JMK	1080406B
Dibromochloromethane	<5.0	5.0		µg/L	10	EPA524.2	N/A	4/7/98 12:35:00 AM	JMK	1080406B
1,2-Dibromo-3-chloropropane	<5.0	5.0		µg/L	10	EPA524.2	N/A	4/7/98 12:35:00 AM	JMK	1080406B
1,2-Dibromoethane	<5.0	5.0		µg/L	10	EPA524.2	N/A	4/7/98 12:35:00 AM	JMK	1080406B
Dibromomethane	<5.0	5.0		µg/L	10	EPA524.2	N/A	4/7/98 12:35:00 AM	JMK	1080406B
1,2-Dichlorobenzene	<5.0	5.0		µg/L	10	EPA524.2	N/A	4/7/98 12:35:00 AM	JMK	1080406B
1,3-Dichlorobenzene	<5.0	5.0		µg/L	10	EPA524.2	N/A	4/7/98 12:35:00 AM	JMK	1080406B
1,4-Dichlorobenzene	<5.0	5.0		µg/L	10	EPA524.2	N/A	4/7/98 12:35:00 AM	JMK	1080406B
Dichlorodifluoromethane	<5.0	5.0		µg/L	10	EPA524.2	N/A	4/7/98 12:35:00 AM	JMK	1080406B
1,1-Dichloroethane	<5.0	5.0		µg/L	10	EPA524.2	N/A	4/7/98 12:35:00 AM	JMK	1080406B
1,2-Dichloroethane	<5.0	5.0		µg/L	10	EPA524.2	N/A	4/7/98 12:35:00 AM	JMK	1080406B
1,1-Dichloroethene	18	5.0		µg/L	10	EPA524.2	N/A	4/7/98 12:35:00 AM	JMK	1080406B
cis-1,2-Dichloroethene	10	5.0		µg/L	10	EPA524.2	N/A	4/7/98 12:35:00 AM	JMK	1080406B
trans-1,2-Dichloroethene	<5.0	5.0		µg/L	10	EPA524.2	N/A	4/7/98 12:35:00 AM	JMK	1080406B
1,2-Dichloropropane	<5.0	5.0		µg/L	10	EPA524.2	N/A	4/7/98 12:35:00 AM	JMK	1080406B
1,3-Dichloropropane	<5.0	5.0		µg/L	10	EPA524.2	N/A	4/7/98 12:35:00 AM	JMK	1080406B
2,2-Dichloropropane	<5.0	5.0		µg/L	10	EPA524.2	N/A	4/7/98 12:35:00 AM	JMK	1080406B
1,1-Dichloropropene	<5.0	5.0		µg/L	10	EPA524.2	N/A	4/7/98 12:35:00 AM	JMK	1080406B
cis-1,3-Dichloropropene	<5.0	5.0		µg/L	10	EPA524.2	N/A	4/7/98 12:35:00 AM	JMK	1080406B
trans-1,3-Dichloropropene	<5.0	5.0		µg/L	10	EPA524.2	N/A	4/7/98 12:35:00 AM	JMK	1080406B
Ethylbenzene	<5.0	5.0		µg/L	10	EPA524.2	N/A	4/7/98 12:35:00 AM	JMK	1080406B
Hexachlorobutadiene	<5.0	5.0		µg/L	10	EPA524.2	N/A	4/7/98 12:35:00 AM	JMK	1080406B
Isopropylbenzene	<5.0	5.0		µg/L	10	EPA524.2	N/A	4/7/98 12:35:00 AM	JMK	1080406B
4-Isopropyltoluene	<5.0	5.0		µg/L	10	EPA524.2	N/A	4/7/98 12:35:00 AM	JMK	1080406B

Qualifiers:

S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
H - Analyzed past EPA recommended Holding Time
X - Value exceeds Maximum Contaminant Level
R - RPD outside accepted recovery limits
E - Value above quantitation range
D - Surrogate diluted out

Confidential and Privileged

Amended Report

McKENZIE LABORATORIES

Date Printed: 22-Apr-98

CLIENT: Basin and Range Hydrogeologists
Work Order: 9803230
Lab ID: 9803230-06
Project Name: DOLPHIN
Project Number: 91129.102

Client Sample ID: DIMW3-90-14
Collection Date: 3/26/98 9:40:00 AM
Matrix: AQUEOUS

Analyte	Result	Limit	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Methyl tert-butyl ether	<5.0	5.0		µg/L	10	EPA524.2	N/A	4/7/98 12:35:00 AM	JMK	1080406B
Methylene chloride	<5.0	5.0		µg/L	10	EPA524.2	N/A	4/7/98 12:35:00 AM	JMK	1080406B
Naphthalene	<5.0	5.0		µg/L	10	EPA524.2	N/A	4/7/98 12:35:00 AM	JMK	1080406B
n-Propylbenzene	<5.0	5.0		µg/L	10	EPA524.2	N/A	4/7/98 12:35:00 AM	JMK	1080406B
Styrene	<5.0	5.0		µg/L	10	EPA524.2	N/A	4/7/98 12:35:00 AM	JMK	1080406B
1,1,1,2-Tetrachloroethane	<5.0	5.0		µg/L	10	EPA524.2	N/A	4/7/98 12:35:00 AM	JMK	1080406B
1,1,2,2-Tetrachloroethane	<5.0	5.0		µg/L	10	EPA524.2	N/A	4/7/98 12:35:00 AM	JMK	1080406B
Tetrachloroethene	780	25		µg/L	50	EPA524.2	N/A	4/8/98 1:03:00 AM	JMK	1080407B
Toluene	<5.0	5.0		µg/L	10	EPA524.2	N/A	4/7/98 12:35:00 AM	JMK	1080406B
1,2,3-Trichlorobenzene	<5.0	5.0		µg/L	10	EPA524.2	N/A	4/7/98 12:35:00 AM	JMK	1080406B
1,2,4-Trichlorobenzene	<5.0	5.0		µg/L	10	EPA524.2	N/A	4/7/98 12:35:00 AM	JMK	1080406B
1,1,1-Trichloroethane	<5.0	5.0		µg/L	10	EPA524.2	N/A	4/7/98 12:35:00 AM	JMK	1080406B
1,1,2-Trichloroethane	<5.0	5.0		µg/L	10	EPA524.2	N/A	4/7/98 12:35:00 AM	JMK	1080406B
Trichloroethene	26	5.0		µg/L	10	EPA524.2	N/A	4/7/98 12:35:00 AM	JMK	1080406B
Trichlorofluoromethane	<5.0	5.0		µg/L	10	EPA524.2	N/A	4/7/98 12:35:00 AM	JMK	1080406B
Trichlorotrifluoroethane	9.0	5.0		µg/L	10	EPA524.2	N/A	4/7/98 12:35:00 AM	JMK	1080406B
1,2,3-Trichloropropane	<5.0	5.0		µg/L	10	EPA524.2	N/A	4/7/98 12:35:00 AM	JMK	1080406B
1,2,4-Trimethylbenzene	<5.0	5.0		µg/L	10	EPA524.2	N/A	4/7/98 12:35:00 AM	JMK	1080406B
1,3,5-Trimethylbenzene	<5.0	5.0		µg/L	10	EPA524.2	N/A	4/7/98 12:35:00 AM	JMK	1080406B
Vinyl chloride	<5.0	5.0		µg/L	10	EPA524.2	N/A	4/7/98 12:35:00 AM	JMK	1080406B
m,p-Xylene	<5.0	5.0		µg/L	10	EPA524.2	N/A	4/7/98 12:35:00 AM	JMK	1080406B
o-Xylene	<5.0	5.0		µg/L	10	EPA524.2	N/A	4/7/98 12:35:00 AM	JMK	1080406B
Xylenes, total	<5.0	5.0		µg/L	10	EPA524.2	N/A	4/7/98 12:35:00 AM	JMK	1080406B
4-Bromofluorobenzene	121	70-130		%REC	10	EPA524.2	N/A	4/7/98 12:35:00 AM	JMK	1080406B
1,2-Dichlorobenzene-d4	126	70-130		%REC	10	EPA524.2	N/A	4/7/98 12:35:00 AM	JMK	1080406B

Qualifiers:

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B - Analyte detected in the associated Method Blank
H - Analyzed past EPA recommended Holding Time
X - Value exceeds Maximum Contaminant Level
R - RPD outside accepted recovery limits
E - Value above quantitation range
D - Surrogate diluted out

Confidential and Privileged

Amended Report

McKENZIE LABORATORIES

Date Printed: 22-Apr-98

CLIENT: Basin and Range Hydrogeologists
Work Order: 9803230
Lab ID: 9803230-07
Project Name: DOLPHIN
Project Number: 91129.102

Client Sample ID: DIMW3-95-14
Collection Date: 3/26/98 9:45:00 AM
Matrix: AQUEOUS

Analyte	Result	Limit	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Benzene	<10	10		µg/L	20	EPA524.2	N/A	4/7/98 1:18:00 AM	JMK	1080406B
Bromobenzene	<10	10		µg/L	20	EPA524.2	N/A	4/7/98 1:18:00 AM	JMK	1080406B
Bromochloromethane	<10	10		µg/L	20	EPA524.2	N/A	4/7/98 1:18:00 AM	JMK	1080406B
Bromodichloromethane	<10	10		µg/L	20	EPA524.2	N/A	4/7/98 1:18:00 AM	JMK	1080406B
Bromoform	<10	10		µg/L	20	EPA524.2	N/A	4/7/98 1:18:00 AM	JMK	1080406B
Bromomethane	<10	10		µg/L	20	EPA524.2	N/A	4/7/98 1:18:00 AM	JMK	1080406B
n-Butylbenzene	<10	10	B	µg/L	20	EPA524.2	N/A	4/7/98 1:18:00 AM	JMK	1080406B
sec-Butylbenzene	<10	10		µg/L	20	EPA524.2	N/A	4/7/98 1:18:00 AM	JMK	1080406B
tert-Butylbenzene	<10	10		µg/L	20	EPA524.2	N/A	4/7/98 1:18:00 AM	JMK	1080406B
Carbon tetrachloride	<10	10		µg/L	20	EPA524.2	N/A	4/7/98 1:18:00 AM	JMK	1080406B
Chlorobenzene	<10	10		µg/L	20	EPA524.2	N/A	4/7/98 1:18:00 AM	JMK	1080406B
Chloroethane	<10	10		µg/L	20	EPA524.2	N/A	4/7/98 1:18:00 AM	JMK	1080406B
Chloroform	10	10		µg/L	20	EPA524.2	N/A	4/7/98 1:18:00 AM	JMK	1080406B
Chloromethane	<10	10		µg/L	20	EPA524.2	N/A	4/7/98 1:18:00 AM	JMK	1080406B
2-Chlorotoluene	<10	10		µg/L	20	EPA524.2	N/A	4/7/98 1:18:00 AM	JMK	1080406B
4-Chlorotoluene	<10	10		µg/L	20	EPA524.2	N/A	4/7/98 1:18:00 AM	JMK	1080406B
Dibromochloromethane	<10	10		µg/L	20	EPA524.2	N/A	4/7/98 1:18:00 AM	JMK	1080406B
1,2-Dibromo-3-chloropropane	<10	10		µg/L	20	EPA524.2	N/A	4/7/98 1:18:00 AM	JMK	1080406B
1,2-Dibromoethane	<10	10		µg/L	20	EPA524.2	N/A	4/7/98 1:18:00 AM	JMK	1080406B
Dibromomethane	<10	10		µg/L	20	EPA524.2	N/A	4/7/98 1:18:00 AM	JMK	1080406B
1,2-Dichlorobenzene	<10	10		µg/L	20	EPA524.2	N/A	4/7/98 1:18:00 AM	JMK	1080406B
1,3-Dichlorobenzene	<10	10		µg/L	20	EPA524.2	N/A	4/7/98 1:18:00 AM	JMK	1080406B
1,4-Dichlorobenzene	<10	10		µg/L	20	EPA524.2	N/A	4/7/98 1:18:00 AM	JMK	1080406B
Dichlorodifluoromethane	<10	10		µg/L	20	EPA524.2	N/A	4/7/98 1:18:00 AM	JMK	1080406B
1,1-Dichloroethane	<10	10		µg/L	20	EPA524.2	N/A	4/7/98 1:18:00 AM	JMK	1080406B
1,2-Dichloroethane	<10	10		µg/L	20	EPA524.2	N/A	4/7/98 1:18:00 AM	JMK	1080406B
1,1-Dichloroethene	18	10		µg/L	20	EPA524.2	N/A	4/7/98 1:18:00 AM	JMK	1080406B
cis-1,2-Dichloroethene	<10	10		µg/L	20	EPA524.2	N/A	4/7/98 1:18:00 AM	JMK	1080406B
trans-1,2-Dichloroethene	<10	10		µg/L	20	EPA524.2	N/A	4/7/98 1:18:00 AM	JMK	1080406B
1,2-Dichloropropane	<10	10		µg/L	20	EPA524.2	N/A	4/7/98 1:18:00 AM	JMK	1080406B
1,3-Dichloropropane	<10	10		µg/L	20	EPA524.2	N/A	4/7/98 1:18:00 AM	JMK	1080406B
2,2-Dichloropropane	<10	10		µg/L	20	EPA524.2	N/A	4/7/98 1:18:00 AM	JMK	1080406B
1,1-Dichloropropene	<10	10		µg/L	20	EPA524.2	N/A	4/7/98 1:18:00 AM	JMK	1080406B
cis-1,3-Dichloropropene	<10	10		µg/L	20	EPA524.2	N/A	4/7/98 1:18:00 AM	JMK	1080406B
trans-1,3-Dichloropropene	<10	10		µg/L	20	EPA524.2	N/A	4/7/98 1:18:00 AM	JMK	1080406B
Ethylbenzene	<10	10		µg/L	20	EPA524.2	N/A	4/7/98 1:18:00 AM	JMK	1080406B
Hexachlorobutadiene	<10	10		µg/L	20	EPA524.2	N/A	4/7/98 1:18:00 AM	JMK	1080406B
Isopropylbenzene	<10	10		µg/L	20	EPA524.2	N/A	4/7/98 1:18:00 AM	JMK	1080406B
4-Isopropyltoluene	<10	10		µg/L	20	EPA524.2	N/A	4/7/98 1:18:00 AM	JMK	1080406B

Qualifiers:

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E - Value above quantitation range
D - Surrogate diluted out

Confidential and Privileged

Amended Report

McKENZIE LABORATORIES

Date Printed: 22-Apr-98

CLIENT: Basin and Range Hydrogeologists
Work Order: 9803230
Lab ID: 9803230-07
Project Name: DOLPHIN
Project Number: 91129.102

Client Sample ID: DIMW3-95-14
Collection Date: 3/26/98 9:45:00 AM
Matrix: AQUEOUS

Analyte	Result	Limit	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Methyl tert-butyl ether	<10	10		µg/L	20	EPA524.2	N/A	4/7/98 1:18:00 AM	JMK	1080406B
Methylene chloride	<10	10		µg/L	20	EPA524.2	N/A	4/7/98 1:18:00 AM	JMK	1080406B
Naphthalene	<10	10		µg/L	20	EPA524.2	N/A	4/7/98 1:18:00 AM	JMK	1080406B
n-Propylbenzene	<10	10		µg/L	20	EPA524.2	N/A	4/7/98 1:18:00 AM	JMK	1080406B
Styrene	<10	10		µg/L	20	EPA524.2	N/A	4/7/98 1:18:00 AM	JMK	1080406B
1,1,1,2-Tetrachloroethane	<10	10		µg/L	20	EPA524.2	N/A	4/7/98 1:18:00 AM	JMK	1080406B
1,1,2,2-Tetrachloroethane	<10	10		µg/L	20	EPA524.2	N/A	4/7/98 1:18:00 AM	JMK	1080406B
Tetrachloroethene	800	25		µg/L	50	EPA524.2	N/A	4/8/98 1:46:00 AM	JMK	1080407B
Toluene	<10	10		µg/L	20	EPA524.2	N/A	4/7/98 1:18:00 AM	JMK	1080406B
1,2,3-Trichlorobenzene	<10	10		µg/L	20	EPA524.2	N/A	4/7/98 1:18:00 AM	JMK	1080406B
1,2,4-Trichlorobenzene	<10	10		µg/L	20	EPA524.2	N/A	4/7/98 1:18:00 AM	JMK	1080406B
1,1,1-Trichloroethane	<10	10		µg/L	20	EPA524.2	N/A	4/7/98 1:18:00 AM	JMK	1080406B
1,1,2-Trichloroethane	<10	10		µg/L	20	EPA524.2	N/A	4/7/98 1:18:00 AM	JMK	1080406B
Trichloroethene	26	10		µg/L	20	EPA524.2	N/A	4/7/98 1:18:00 AM	JMK	1080406B
Trichlorofluoromethane	<10	10		µg/L	20	EPA524.2	N/A	4/7/98 1:18:00 AM	JMK	1080406B
Trichlorotrifluoroethane	10	10		µg/L	20	EPA524.2	N/A	4/7/98 1:18:00 AM	JMK	1080406B
1,2,3-Trichloropropane	<10	10		µg/L	20	EPA524.2	N/A	4/7/98 1:18:00 AM	JMK	1080406B
1,2,4-Trimethylbenzene	<10	10		µg/L	20	EPA524.2	N/A	4/7/98 1:18:00 AM	JMK	1080406B
1,3,5-Trimethylbenzene	<10	10		µg/L	20	EPA524.2	N/A	4/7/98 1:18:00 AM	JMK	1080406B
Vinyl chloride	<10	10		µg/L	20	EPA524.2	N/A	4/7/98 1:18:00 AM	JMK	1080406B
m,p-Xylene	<10	10		µg/L	20	EPA524.2	N/A	4/7/98 1:18:00 AM	JMK	1080406B
o-Xylene	<10	10		µg/L	20	EPA524.2	N/A	4/7/98 1:18:00 AM	JMK	1080406B
Xylenes, total	<10	10		µg/L	20	EPA524.2	N/A	4/7/98 1:18:00 AM	JMK	1080406B
4-Bromofluorobenzene	120	70-130		%REC	20	EPA524.2	N/A	4/7/98 1:18:00 AM	JMK	1080406B
1,2-Dichlorobenzene-d4	123	70-130		%REC	20	EPA524.2	N/A	4/7/98 1:18:00 AM	JMK	1080406B

Qualifiers:

S - Spike Recovery outside accepted recovery limits
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H - Analyzed past EPA recommended Holding Time
X - Value exceeds Maximum Contaminant Level
R - RPD outside accepted recovery limits
E - Value above quantitation range
D - Surrogate diluted out

Confidential and Privileged

Amended Report

McKENZIE LABORATORIES

Date Printed: 22-Apr-98

CLIENT: Basin and Range Hydrogeologists
Work Order: 9803230
Lab ID: 9803230-08
Project Name: DOLPHIN
Project Number: 91129.102

Client Sample ID: DIMW1-410-14
Collection Date: 3/26/98 10:58:00 AM
Matrix: AQUEOUS

Analyte	Result	Limit	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Benzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/8/98 6:02:00 PM	JMK	1080408B
Bromobenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/8/98 6:02:00 PM	JMK	1080408B
Bromochloromethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/8/98 6:02:00 PM	JMK	1080408B
Bromodichloromethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/8/98 6:02:00 PM	JMK	1080408B
Bromoform	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/8/98 6:02:00 PM	JMK	1080408B
Bromomethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/8/98 6:02:00 PM	JMK	1080408B
n-Butylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/8/98 6:02:00 PM	JMK	1080408B
sec-Butylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/8/98 6:02:00 PM	JMK	1080408B
tert-Butylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/8/98 6:02:00 PM	JMK	1080408B
Carbon tetrachloride	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/8/98 6:02:00 PM	JMK	1080408B
Chlorobenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/8/98 6:02:00 PM	JMK	1080408B
Chloroethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/8/98 6:02:00 PM	JMK	1080408B
Chloroform	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/8/98 6:02:00 PM	JMK	1080408B
Chloromethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/8/98 6:02:00 PM	JMK	1080408B
2-Chlorotoluene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/8/98 6:02:00 PM	JMK	1080408B
4-Chlorotoluene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/8/98 6:02:00 PM	JMK	1080408B
Dibromochloromethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/8/98 6:02:00 PM	JMK	1080408B
1,2-Dibromo-3-chloropropane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/8/98 6:02:00 PM	JMK	1080408B
1,2-Dibromoethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/8/98 6:02:00 PM	JMK	1080408B
Dibromomethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/8/98 6:02:00 PM	JMK	1080408B
1,2-Dichlorobenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/8/98 6:02:00 PM	JMK	1080408B
1,3-Dichlorobenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/8/98 6:02:00 PM	JMK	1080408B
1,4-Dichlorobenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/8/98 6:02:00 PM	JMK	1080408B
Dichlorodifluoromethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/8/98 6:02:00 PM	JMK	1080408B
1,1-Dichloroethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/8/98 6:02:00 PM	JMK	1080408B
1,2-Dichloroethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/8/98 6:02:00 PM	JMK	1080408B
1,1-Dichloroethene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/8/98 6:02:00 PM	JMK	1080408B
cis-1,2-Dichloroethene	12	0.5		µg/L	1	EPA524.2	N/A	4/8/98 6:02:00 PM	JMK	1080408B
trans-1,2-Dichloroethene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/8/98 6:02:00 PM	JMK	1080408B
1,2-Dichloropropane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/8/98 6:02:00 PM	JMK	1080408B
1,3-Dichloropropane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/8/98 6:02:00 PM	JMK	1080408B
2,2-Dichloropropane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/8/98 6:02:00 PM	JMK	1080408B
1,1-Dichloropropene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/8/98 6:02:00 PM	JMK	1080408B
cis-1,3-Dichloropropene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/8/98 6:02:00 PM	JMK	1080408B
trans-1,3-Dichloropropene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/8/98 6:02:00 PM	JMK	1080408B
Ethylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/8/98 6:02:00 PM	JMK	1080408B
Hexachlorobutadiene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/8/98 6:02:00 PM	JMK	1080408B
Isopropylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/8/98 6:02:00 PM	JMK	1080408B
4-Isopropyltoluene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/8/98 6:02:00 PM	JMK	1080408B

Qualifiers:

S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
H - Analyzed past EPA recommended Holding Time
X - Value exceeds Maximum Contaminant Level
R - RPD outside accepted recovery limits
E - Value above quantitation range
D - Surrogate diluted out

Confidential and Privileged

Amended Report

McKENZIE LABORATORIES

Date Printed: 22-Apr-98

CLIENT: Basin and Range Hydrogeologists
Work Order: 9803230
Lab ID: 9803230-08
Project Name: DOLPHIN
Project Number: 91129.102

Client Sample ID: DIMW1-410-14
Collection Date: 3/26/98 10:58:00 AM
Matrix: AQUEOUS

Analyte	Result	Limit	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Methyl tert-butyl ether	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/8/98 6:02:00 PM	JMK	1080408B
Methylene chloride	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/8/98 6:02:00 PM	JMK	1080408B
Naphthalene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/8/98 6:02:00 PM	JMK	1080408B
n-Propylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/8/98 6:02:00 PM	JMK	1080408B
Styrene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/8/98 6:02:00 PM	JMK	1080408B
1,1,1,2-Tetrachloroethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/8/98 6:02:00 PM	JMK	1080408B
1,1,2,2-Tetrachloroethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/8/98 6:02:00 PM	JMK	1080408B
Tetrachloroethene	18	0.5		µg/L	1	EPA524.2	N/A	4/8/98 6:02:00 PM	JMK	1080408B
Toluene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/8/98 6:02:00 PM	JMK	1080408B
1,2,3-Trichlorobenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/8/98 6:02:00 PM	JMK	1080408B
1,2,4-Trichlorobenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/8/98 6:02:00 PM	JMK	1080408B
1,1,1-Trichloroethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/8/98 6:02:00 PM	JMK	1080408B
1,1,2-Trichloroethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/8/98 6:02:00 PM	JMK	1080408B
Trichloroethene	0.9	0.5		µg/L	1	EPA524.2	N/A	4/8/98 6:02:00 PM	JMK	1080408B
Trichlorofluoromethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/8/98 6:02:00 PM	JMK	1080408B
Trichlorotrifluoroethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/8/98 6:02:00 PM	JMK	1080408B
1,2,3-Trichloropropane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/8/98 6:02:00 PM	JMK	1080408B
1,2,4-Trimethylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/8/98 6:02:00 PM	JMK	1080408B
1,3,5-Trimethylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/8/98 6:02:00 PM	JMK	1080408B
Vinyl chloride	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/8/98 6:02:00 PM	JMK	1080408B
m,p-Xylene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/8/98 6:02:00 PM	JMK	1080408B
o-Xylene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/8/98 6:02:00 PM	JMK	1080408B
Xylenes, total	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/8/98 6:02:00 PM	JMK	1080408B
4-Bromofluorobenzene	98	70-130		%REC	1	EPA524.2	N/A	4/8/98 6:02:00 PM	JMK	1080408B
1,2-Dichlorobenzene-d4	107	70-130		%REC	1	EPA524.2	N/A	4/8/98 6:02:00 PM	JMK	1080408B

Qualifiers:

S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
H - Analyzed past EPA recommended Holding Time
X - Value exceeds Maximum Contaminant Level
R - RPD outside accepted recovery limits
E - Value above quantitation range
D - Surrogate diluted out

Confidential and Privileged

Amended Report

McKENZIE LABORATORIES

Date Printed: 22-Apr-98

CLIENT: Basin and Range Hydrogeologists
Work Order: 9803230
Lab ID: 9803230-09
Project Name: DOLPHIN
Project Number: 91129.102

Client Sample ID: DIMW1-345-14
Collection Date: 3/26/98 11:33:00 AM
Matrix: AQUEOUS

Analyte	Result	Limit	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Benzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 8:17:00 PM	JMK	1080406B
Bromobenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 8:17:00 PM	JMK	1080406B
Bromochloromethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 8:17:00 PM	JMK	1080406B
Bromodichloromethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 8:17:00 PM	JMK	1080406B
Bromoform	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 8:17:00 PM	JMK	1080406B
Bromomethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 8:17:00 PM	JMK	1080406B
n-Butylbenzene	<0.5	0.5	B	µg/L	1	EPA524.2	N/A	4/6/98 8:17:00 PM	JMK	1080406B
sec-Butylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 8:17:00 PM	JMK	1080406B
tert-Butylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 8:17:00 PM	JMK	1080406B
Carbon tetrachloride	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 8:17:00 PM	JMK	1080406B
Chlorobenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 8:17:00 PM	JMK	1080406B
Chloroethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 8:17:00 PM	JMK	1080406B
Chloroform	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 8:17:00 PM	JMK	1080406B
Chloromethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 8:17:00 PM	JMK	1080406B
2-Chlorotoluene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 8:17:00 PM	JMK	1080406B
4-Chlorotoluene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 8:17:00 PM	JMK	1080406B
Dibromochloromethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 8:17:00 PM	JMK	1080406B
1,2-Dibromo-3-chloropropane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 8:17:00 PM	JMK	1080406B
1,2-Dibromoethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 8:17:00 PM	JMK	1080406B
Dibromomethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 8:17:00 PM	JMK	1080406B
1,2-Dichlorobenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 8:17:00 PM	JMK	1080406B
1,3-Dichlorobenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 8:17:00 PM	JMK	1080406B
1,4-Dichlorobenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 8:17:00 PM	JMK	1080406B
Dichlorodifluoromethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 8:17:00 PM	JMK	1080406B
1,1-Dichloroethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 8:17:00 PM	JMK	1080406B
1,2-Dichloroethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 8:17:00 PM	JMK	1080406B
1,1-Dichloroethene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 8:17:00 PM	JMK	1080406B
cis-1,2-Dichloroethene	2.9	0.5		µg/L	1	EPA524.2	N/A	4/6/98 8:17:00 PM	JMK	1080406B
trans-1,2-Dichloroethene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 8:17:00 PM	JMK	1080406B
1,2-Dichloropropane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 8:17:00 PM	JMK	1080406B
1,3-Dichloropropane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 8:17:00 PM	JMK	1080406B
2,2-Dichloropropane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 8:17:00 PM	JMK	1080406B
1,1-Dichloropropene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 8:17:00 PM	JMK	1080406B
cis-1,3-Dichloropropene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 8:17:00 PM	JMK	1080406B
trans-1,3-Dichloropropene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 8:17:00 PM	JMK	1080406B
Ethylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 8:17:00 PM	JMK	1080406B
Hexachlorobutadiene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 8:17:00 PM	JMK	1080406B
Isopropylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 8:17:00 PM	JMK	1080406B
4-Isopropyltoluene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 8:17:00 PM	JMK	1080406B

Qualifiers:

S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
H - Analyzed past EPA recommended Holding Time
X - Value exceeds Maximum Contaminant Level
R - RPD outside accepted recovery limits
E - Value above quantitation range
D - Surrogate diluted out

Confidential and Privileged

Amended Report

McKENZIE LABORATORIES

Date Printed: 22-Apr-98

CLIENT: Basin and Range Hydrogeologists
Work Order: 9803230
Lab ID: 9803230-09
Project Name: DOLPHIN
Project Number: 91129.102

Client Sample ID: DIMW1-345-14
Collection Date: 3/26/98 11:33:00 AM
Matrix: AQUEOUS

Analyte	Result	Limit	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Methyl tert-butyl ether	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 8:17:00 PM	JMK	1080406B
Methylene chloride	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 8:17:00 PM	JMK	1080406B
Naphthalene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 8:17:00 PM	JMK	1080406B
n-Propylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 8:17:00 PM	JMK	1080406B
Styrene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 8:17:00 PM	JMK	1080406B
1,1,1,2-Tetrachloroethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 8:17:00 PM	JMK	1080406B
1,1,2,2-Tetrachloroethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 8:17:00 PM	JMK	1080406B
Tetrachloroethene	61	1.0		µg/L	2	EPA524.2	N/A	4/7/98 11:36:00 PM	JMK	1080407B
Toluene	0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 8:17:00 PM	JMK	1080406B
1,2,3-Trichlorobenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 8:17:00 PM	JMK	1080406B
1,2,4-Trichlorobenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 8:17:00 PM	JMK	1080406B
1,1,1-Trichloroethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 8:17:00 PM	JMK	1080406B
1,1,2-Trichloroethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 8:17:00 PM	JMK	1080406B
Trichloroethene	1.3	0.5		µg/L	1	EPA524.2	N/A	4/6/98 8:17:00 PM	JMK	1080406B
Trichlorofluoromethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 8:17:00 PM	JMK	1080406B
Trichlorotrifluoroethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 8:17:00 PM	JMK	1080406B
1,2,3-Trichloropropane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 8:17:00 PM	JMK	1080406B
1,2,4-Trimethylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 8:17:00 PM	JMK	1080406B
1,3,5-Trimethylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 8:17:00 PM	JMK	1080406B
Vinyl chloride	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 8:17:00 PM	JMK	1080406B
m,p-Xylene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 8:17:00 PM	JMK	1080406B
o-Xylene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 8:17:00 PM	JMK	1080406B
Xylenes, total	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 8:17:00 PM	JMK	1080406B
4-Bromofluorobenzene	120	70-130		%REC	1	EPA524.2	N/A	4/6/98 8:17:00 PM	JMK	1080406B
1,2-Dichlorobenzene-d4	121	70-130		%REC	1	EPA524.2	N/A	4/6/98 8:17:00 PM	JMK	1080406B

Qualifiers:

S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
H - Analyzed past EPA recommended Holding Time
X - Value exceeds Maximum Contaminant Level
R - RPD outside accepted recovery limits
E - Value above quantitation range
D - Surrogate diluted out

Confidential and Privileged

Amended Report

McKENZIE LABORATORIES

Date Printed: 22-Apr-98

CLIENT: Basin and Range Hydrogeologists
Work Order: 9803230
Lab ID: 9803230-10
Project Name: DOLPHIN
Project Number: 91129.102

Client Sample ID: DIMW1-240-14
Collection Date: 3/26/98 11:58:00 AM
Matrix: AQUEOUS

Analyte	Result	Limit	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Benzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 9:00:00 PM	JMK	1080406B
Bromobenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 9:00:00 PM	JMK	1080406B
Bromochloromethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 9:00:00 PM	JMK	1080406B
Bromodichloromethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 9:00:00 PM	JMK	1080406B
Bromoform	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 9:00:00 PM	JMK	1080406B
Bromomethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 9:00:00 PM	JMK	1080406B
n-Butylbenzene	<0.5	0.5	B	µg/L	1	EPA524.2	N/A	4/6/98 9:00:00 PM	JMK	1080406B
sec-Butylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 9:00:00 PM	JMK	1080406B
tert-Butylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 9:00:00 PM	JMK	1080406B
Carbon tetrachloride	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 9:00:00 PM	JMK	1080406B
Chlorobenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 9:00:00 PM	JMK	1080406B
Chloroethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 9:00:00 PM	JMK	1080406B
Chloroform	4.9	0.5		µg/L	1	EPA524.2	N/A	4/6/98 9:00:00 PM	JMK	1080406B
Chloromethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 9:00:00 PM	JMK	1080406B
2-Chlorotoluene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 9:00:00 PM	JMK	1080406B
4-Chlorotoluene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 9:00:00 PM	JMK	1080406B
Dibromochloromethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 9:00:00 PM	JMK	1080406B
1,2-Dibromo-3-chloropropane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 9:00:00 PM	JMK	1080406B
1,2-Dibromoethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 9:00:00 PM	JMK	1080406B
Dibromomethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 9:00:00 PM	JMK	1080406B
1,2-Dichlorobenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 9:00:00 PM	JMK	1080406B
1,3-Dichlorobenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 9:00:00 PM	JMK	1080406B
1,4-Dichlorobenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 9:00:00 PM	JMK	1080406B
Dichlorodifluoromethane	0.9	0.5		µg/L	1	EPA524.2	N/A	4/6/98 9:00:00 PM	JMK	1080406B
1,1-Dichloroethane	1.8	0.5		µg/L	1	EPA524.2	N/A	4/6/98 9:00:00 PM	JMK	1080406B
1,2-Dichloroethane	0.8	0.5		µg/L	1	EPA524.2	N/A	4/6/98 9:00:00 PM	JMK	1080406B
1,1-Dichloroethene	21	0.5		µg/L	1	EPA524.2	N/A	4/6/98 9:00:00 PM	JMK	1080406B
cis-1,2-Dichloroethene	2.9	0.5		µg/L	1	EPA524.2	N/A	4/6/98 9:00:00 PM	JMK	1080406B
trans-1,2-Dichloroethene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 9:00:00 PM	JMK	1080406B
1,2-Dichloropropane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 9:00:00 PM	JMK	1080406B
1,3-Dichloropropane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 9:00:00 PM	JMK	1080406B
2,2-Dichloropropane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 9:00:00 PM	JMK	1080406B
1,1-Dichloropropene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 9:00:00 PM	JMK	1080406B
cis-1,3-Dichloropropene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 9:00:00 PM	JMK	1080406B
trans-1,3-Dichloropropene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 9:00:00 PM	JMK	1080406B
Ethylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 9:00:00 PM	JMK	1080406B
Hexachlorobutadiene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 9:00:00 PM	JMK	1080406B
Isopropylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 9:00:00 PM	JMK	1080406B
4-Isopropyltoluene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 9:00:00 PM	JMK	1080406B

Qualifiers:

S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
H - Analyzed past EPA recommended Holding Time
X - Value exceeds Maximum Contaminant Level
R - RPD outside accepted recovery limits
E - Value above quantitation range
D - Surrogate diluted out

Confidential and Privileged

Amended Report

McKENZIE LABORATORIES

Date Printed: 22-Apr-98

CLIENT: Basin and Range Hydrogeologists
Work Order: 9803230
Lab ID: 9803230-10
Project Name: DOLPHIN
Project Number: 91129.102

Client Sample ID: DIMW1-240-14
Collection Date: 3/26/98 11:58:00 AM
Matrix: AQUEOUS

Analyte	Result	Limit	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Methyl tert-butyl ether	0.8	0.5		µg/L	1	EPA524.2	N/A	4/6/98 9:00:00 PM	JMK	1080406B
Methylene chloride	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 9:00:00 PM	JMK	1080406B
Naphthalene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 9:00:00 PM	JMK	1080406B
n-Propylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 9:00:00 PM	JMK	1080406B
Styrene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 9:00:00 PM	JMK	1080406B
1,1,1,2-Tetrachloroethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 9:00:00 PM	JMK	1080406B
1,1,2,2-Tetrachloroethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 9:00:00 PM	JMK	1080406B
Tetrachloroethene	71	2.5		µg/L	5	EPA524.2	N/A	4/7/98 10:53:00 PM	JMK	1080407B
Toluene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 9:00:00 PM	JMK	1080406B
1,2,3-Trichlorobenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 9:00:00 PM	JMK	1080406B
1,2,4-Trichlorobenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 9:00:00 PM	JMK	1080406B
1,1,1-Trichloroethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 9:00:00 PM	JMK	1080406B
1,1,2-Trichloroethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 9:00:00 PM	JMK	1080406B
Trichloroethene	32	0.5		µg/L	1	EPA524.2	N/A	4/6/98 9:00:00 PM	JMK	1080406B
Trichlorofluoromethane	3.1	0.5		µg/L	1	EPA524.2	N/A	4/6/98 9:00:00 PM	JMK	1080406B
Trichlorotrifluoroethane	7.1	0.5		µg/L	1	EPA524.2	N/A	4/6/98 9:00:00 PM	JMK	1080406B
1,2,3-Trichloropropane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 9:00:00 PM	JMK	1080406B
1,2,4-Trimethylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 9:00:00 PM	JMK	1080406B
1,3,5-Trimethylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 9:00:00 PM	JMK	1080406B
Vinyl chloride	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 9:00:00 PM	JMK	1080406B
m,p-Xylene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 9:00:00 PM	JMK	1080406B
o-Xylene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 9:00:00 PM	JMK	1080406B
Xylenes, total	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 9:00:00 PM	JMK	1080406B
4-Bromofluorobenzene	121	70-130		%REC	1	EPA524.2	N/A	4/6/98 9:00:00 PM	JMK	1080406B
1,2-Dichlorobenzene-d4	123	70-130		%REC	1	EPA524.2	N/A	4/6/98 9:00:00 PM	JMK	1080406B

Qualifiers:

S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
H - Analyzed past EPA recommended Holding Time
X - Value exceeds Maximum Contaminant Level
R - RPD outside accepted recovery limits
E - Value above quantitation range
D - Surrogate diluted out

Confidential and Privileged

Amended Report

McKENZIE LABORATORIES

Date Printed: 22-Apr-98

CLIENT: Basin and Range Hydrogeologists
Work Order: 9803230
Lab ID: 9803230-11
Project Name: DOLPHIN
Project Number: 91129.102

Client Sample ID: DIMW1-165-14
Collection Date: 3/26/98 12:15:00 PM
Matrix: AQUEOUS

Analyte	Result	Limit	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Benzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 9:43:00 PM	JMK	1080406B
Bromobenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 9:43:00 PM	JMK	1080406B
Bromochloromethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 9:43:00 PM	JMK	1080406B
Bromodichloromethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 9:43:00 PM	JMK	1080406B
Bromoform	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 9:43:00 PM	JMK	1080406B
Bromomethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 9:43:00 PM	JMK	1080406B
n-Butylbenzene	<0.5	0.5	B	µg/L	1	EPA524.2	N/A	4/6/98 9:43:00 PM	JMK	1080406B
sec-Butylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 9:43:00 PM	JMK	1080406B
tert-Butylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 9:43:00 PM	JMK	1080406B
Carbon tetrachloride	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 9:43:00 PM	JMK	1080406B
Chlorobenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 9:43:00 PM	JMK	1080406B
Chloroethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 9:43:00 PM	JMK	1080406B
Chloroform	9.1	0.5		µg/L	1	EPA524.2	N/A	4/6/98 9:43:00 PM	JMK	1080406B
Chloromethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 9:43:00 PM	JMK	1080406B
2-Chlorotoluene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 9:43:00 PM	JMK	1080406B
4-Chlorotoluene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 9:43:00 PM	JMK	1080406B
Dibromochloromethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 9:43:00 PM	JMK	1080406B
1,2-Dibromo-3-chloropropane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 9:43:00 PM	JMK	1080406B
1,2-Dibromoethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 9:43:00 PM	JMK	1080406B
Dibromomethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 9:43:00 PM	JMK	1080406B
1,2-Dichlorobenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 9:43:00 PM	JMK	1080406B
1,3-Dichlorobenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 9:43:00 PM	JMK	1080406B
1,4-Dichlorobenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 9:43:00 PM	JMK	1080406B
Dichlorodifluoromethane	1.3	0.5		µg/L	1	EPA524.2	N/A	4/6/98 9:43:00 PM	JMK	1080406B
1,1-Dichloroethane	1.2	0.5		µg/L	1	EPA524.2	N/A	4/6/98 9:43:00 PM	JMK	1080406B
1,2-Dichloroethane	1.3	0.5		µg/L	1	EPA524.2	N/A	4/6/98 9:43:00 PM	JMK	1080406B
1,1-Dichloroethene	15	0.5		µg/L	1	EPA524.2	N/A	4/6/98 9:43:00 PM	JMK	1080406B
cis-1,2-Dichloroethene	5.8	0.5		µg/L	1	EPA524.2	N/A	4/6/98 9:43:00 PM	JMK	1080406B
trans-1,2-Dichloroethene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 9:43:00 PM	JMK	1080406B
1,2-Dichloropropane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 9:43:00 PM	JMK	1080406B
1,3-Dichloropropane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 9:43:00 PM	JMK	1080406B
2,2-Dichloropropane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 9:43:00 PM	JMK	1080406B
1,1-Dichloropropene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 9:43:00 PM	JMK	1080406B
cis-1,3-Dichloropropene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 9:43:00 PM	JMK	1080406B
trans-1,3-Dichloropropene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 9:43:00 PM	JMK	1080406B
Ethylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 9:43:00 PM	JMK	1080406B
Hexachlorobutadiene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 9:43:00 PM	JMK	1080406B
Isopropylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 9:43:00 PM	JMK	1080406B
4-Isopropyltoluene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 9:43:00 PM	JMK	1080406B

Qualifiers:

S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
H - Analyzed past EPA recommended Holding Time
X - Value exceeds Maximum Contaminant Level
R - RPD outside accepted recovery limits
E - Value above quantitation range
D - Surrogate diluted out

Confidential and Privileged

Amended Report

McKENZIE LABORATORIES

Date Printed: 22-Apr-98

CLIENT: Basin and Range Hydrogeologists
Work Order: 9803230
Lab ID: 9803230-11
Project Name: DOLPHIN
Project Number: 91129.102

Client Sample ID: DIMW1-165-14
Collection Date: 3/26/98 12:15:00 PM
Matrix: AQUEOUS

Analyte	Result	Limit	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Methyl tert-butyl ether	1.1	0.5		µg/L	1	EPA524.2	N/A	4/6/98 9:43:00 PM	JMK	1080406B
Methylene chloride	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 9:43:00 PM	JMK	1080406B
Naphthalene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 9:43:00 PM	JMK	1080406B
n-Propylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 9:43:00 PM	JMK	1080406B
Styrene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 9:43:00 PM	JMK	1080406B
1,1,1,2-Tetrachloroethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 9:43:00 PM	JMK	1080406B
1,1,2,2-Tetrachloroethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 9:43:00 PM	JMK	1080406B
Tetrachloroethene	100	5.0		µg/L	10	EPA524.2	N/A	4/8/98 12:19:00 AM	JMK	1080407B
Toluene	0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 9:43:00 PM	JMK	1080406B
1,2,3-Trichlorobenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 9:43:00 PM	JMK	1080406B
1,2,4-Trichlorobenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 9:43:00 PM	JMK	1080406B
1,1,1-Trichloroethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 9:43:00 PM	JMK	1080406B
1,1,2-Trichloroethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 9:43:00 PM	JMK	1080406B
Trichloroethene	42	0.5		µg/L	1	EPA524.2	N/A	4/6/98 9:43:00 PM	JMK	1080406B
Trichlorofluoromethane	2.0	0.5		µg/L	1	EPA524.2	N/A	4/6/98 9:43:00 PM	JMK	1080406B
Trichlorotrifluoroethane	11	0.5		µg/L	1	EPA524.2	N/A	4/6/98 9:43:00 PM	JMK	1080406B
1,2,3-Trichloropropane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 9:43:00 PM	JMK	1080406B
1,2,4-Trimethylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 9:43:00 PM	JMK	1080406B
1,3,5-Trimethylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 9:43:00 PM	JMK	1080406B
Vinyl chloride	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 9:43:00 PM	JMK	1080406B
m,p-Xylene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 9:43:00 PM	JMK	1080406B
o-Xylene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 9:43:00 PM	JMK	1080406B
Xylenes, total	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 9:43:00 PM	JMK	1080406B
4-Bromofluorobenzene	125	70-130		%REC	1	EPA524.2	N/A	4/6/98 9:43:00 PM	JMK	1080406B
1,2-Dichlorobenzene-d4	127	70-130		%REC	1	EPA524.2	N/A	4/6/98 9:43:00 PM	JMK	1080406B

Qualifiers:

S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
H - Analyzed past EPA recommended Holding Time
X - Value exceeds Maximum Contaminant Level
R - RPD outside accepted recovery limits
E - Value above quantitation range
D - Surrogate diluted out

Confidential and Privileged

Amended Report

McKENZIE LABORATORIES

Date Printed: 22-Apr-98

CLIENT: Basin and Range Hydrogeologists
Work Order: 9803230
Lab ID: 9803230-12
Project Name: DOLPHIN
Project Number: 91129.102

Client Sample ID: DIMW1-90-14
Collection Date: 3/26/98 12:27:00 PM
Matrix: AQUEOUS

Analyte	Result	Limit	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Benzene	<2500	2500		µg/L	5000	EPA524.2	N/A	4/8/98 3:12:00 AM	JMK	1080407B
Bromobenzene	<2500	2500		µg/L	5000	EPA524.2	N/A	4/8/98 3:12:00 AM	JMK	1080407B
Bromochloromethane	<2500	2500		µg/L	5000	EPA524.2	N/A	4/8/98 3:12:00 AM	JMK	1080407B
Bromodichloromethane	<2500	2500		µg/L	5000	EPA524.2	N/A	4/8/98 3:12:00 AM	JMK	1080407B
Bromoform	<2500	2500		µg/L	5000	EPA524.2	N/A	4/8/98 3:12:00 AM	JMK	1080407B
Bromomethane	<2500	2500		µg/L	5000	EPA524.2	N/A	4/8/98 3:12:00 AM	JMK	1080407B
n-Butylbenzene	<2500	2500		µg/L	5000	EPA524.2	N/A	4/8/98 3:12:00 AM	JMK	1080407B
sec-Butylbenzene	<2500	2500		µg/L	5000	EPA524.2	N/A	4/8/98 3:12:00 AM	JMK	1080407B
tert-Butylbenzene	<2500	2500		µg/L	5000	EPA524.2	N/A	4/8/98 3:12:00 AM	JMK	1080407B
Carbon tetrachloride	<2500	2500		µg/L	5000	EPA524.2	N/A	4/8/98 3:12:00 AM	JMK	1080407B
Chlorobenzene	<2500	2500		µg/L	5000	EPA524.2	N/A	4/8/98 3:12:00 AM	JMK	1080407B
Chloroethane	<2500	2500		µg/L	5000	EPA524.2	N/A	4/8/98 3:12:00 AM	JMK	1080407B
Chloroform	<2500	2500		µg/L	5000	EPA524.2	N/A	4/8/98 3:12:00 AM	JMK	1080407B
Chloromethane	<2500	2500		µg/L	5000	EPA524.2	N/A	4/8/98 3:12:00 AM	JMK	1080407B
2-Chlorotoluene	<2500	2500		µg/L	5000	EPA524.2	N/A	4/8/98 3:12:00 AM	JMK	1080407B
4-Chlorotoluene	<2500	2500		µg/L	5000	EPA524.2	N/A	4/8/98 3:12:00 AM	JMK	1080407B
Dibromochloromethane	<2500	2500		µg/L	5000	EPA524.2	N/A	4/8/98 3:12:00 AM	JMK	1080407B
1,2-Dibromo-3-chloropropane	<2500	2500		µg/L	5000	EPA524.2	N/A	4/8/98 3:12:00 AM	JMK	1080407B
1,2-Dibromoethane	<2500	2500		µg/L	5000	EPA524.2	N/A	4/8/98 3:12:00 AM	JMK	1080407B
Dibromomethane	<2500	2500		µg/L	5000	EPA524.2	N/A	4/8/98 3:12:00 AM	JMK	1080407B
1,2-Dichlorobenzene	<2500	2500		µg/L	5000	EPA524.2	N/A	4/8/98 3:12:00 AM	JMK	1080407B
1,3-Dichlorobenzene	<2500	2500		µg/L	5000	EPA524.2	N/A	4/8/98 3:12:00 AM	JMK	1080407B
1,4-Dichlorobenzene	<2500	2500		µg/L	5000	EPA524.2	N/A	4/8/98 3:12:00 AM	JMK	1080407B
Dichlorodifluoromethane	<2500	2500		µg/L	5000	EPA524.2	N/A	4/8/98 3:12:00 AM	JMK	1080407B
1,1-Dichloroethane	<2500	2500		µg/L	5000	EPA524.2	N/A	4/8/98 3:12:00 AM	JMK	1080407B
1,2-Dichloroethane	<2500	2500		µg/L	5000	EPA524.2	N/A	4/8/98 3:12:00 AM	JMK	1080407B
1,1-Dichloroethene	<2500	2500		µg/L	5000	EPA524.2	N/A	4/8/98 3:12:00 AM	JMK	1080407B
cis-1,2-Dichloroethene	4000	2500		µg/L	5000	EPA524.2	N/A	4/8/98 3:12:00 AM	JMK	1080407B
trans-1,2-Dichloroethene	<2500	2500		µg/L	5000	EPA524.2	N/A	4/8/98 3:12:00 AM	JMK	1080407B
1,2-Dichloropropane	<2500	2500		µg/L	5000	EPA524.2	N/A	4/8/98 3:12:00 AM	JMK	1080407B
1,3-Dichloropropane	<2500	2500		µg/L	5000	EPA524.2	N/A	4/8/98 3:12:00 AM	JMK	1080407B
2,2-Dichloropropane	<2500	2500		µg/L	5000	EPA524.2	N/A	4/8/98 3:12:00 AM	JMK	1080407B
1,1-Dichloropropene	<2500	2500		µg/L	5000	EPA524.2	N/A	4/8/98 3:12:00 AM	JMK	1080407B
cis-1,3-Dichloropropene	<2500	2500		µg/L	5000	EPA524.2	N/A	4/8/98 3:12:00 AM	JMK	1080407B
trans-1,3-Dichloropropene	<2500	2500		µg/L	5000	EPA524.2	N/A	4/8/98 3:12:00 AM	JMK	1080407B
Ethylbenzene	<2500	2500		µg/L	5000	EPA524.2	N/A	4/8/98 3:12:00 AM	JMK	1080407B
Hexachlorobutadiene	<2500	2500		µg/L	5000	EPA524.2	N/A	4/8/98 3:12:00 AM	JMK	1080407B
Isopropylbenzene	<2500	2500		µg/L	5000	EPA524.2	N/A	4/8/98 3:12:00 AM	JMK	1080407B
4-Isopropyltoluene	<2500	2500		µg/L	5000	EPA524.2	N/A	4/8/98 3:12:00 AM	JMK	1080407B

Qualifiers:

S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
H - Analyzed past EPA recommended Holding Time
X - Value exceeds Maximum Contaminant Level
R - RPD outside accepted recovery limits
E - Value above quantitation range
D - Surrogate diluted out

Confidential and Privileged

Amended Report

McKENZIE LABORATORIES

Date Printed: 22-Apr-98

CLIENT: Basin and Range Hydrogeologists
Work Order: 9803230
Lab ID: 9803230-12
Project Name: DOLPHIN
Project Number: 91129.102

Client Sample ID: DIMW1-90-14
Collection Date: 3/26/98 12:27:00 PM
Matrix: AQUEOUS

Analyte	Result	Limit	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Methyl tert-butyl ether	<2500	2500		µg/L	5000	EPA524.2	N/A	4/8/98 3:12:00 AM	JMK	1080407B
Methylene chloride	<2500	2500		µg/L	5000	EPA524.2	N/A	4/8/98 3:12:00 AM	JMK	1080407B
Naphthalene	<2500	2500		µg/L	5000	EPA524.2	N/A	4/8/98 3:12:00 AM	JMK	1080407B
n-Propylbenzene	<2500	2500		µg/L	5000	EPA524.2	N/A	4/8/98 3:12:00 AM	JMK	1080407B
Styrene	<2500	2500		µg/L	5000	EPA524.2	N/A	4/8/98 3:12:00 AM	JMK	1080407B
1,1,1,2-Tetrachloroethane	<2500	2500		µg/L	5000	EPA524.2	N/A	4/8/98 3:12:00 AM	JMK	1080407B
1,1,2,2-Tetrachloroethane	<2500	2500		µg/L	5000	EPA524.2	N/A	4/8/98 3:12:00 AM	JMK	1080407B
Tetrachloroethene	95000	2500		µg/L	5000	EPA524.2	N/A	4/8/98 3:12:00 AM	JMK	1080407B
Toluene	<2500	2500		µg/L	5000	EPA524.2	N/A	4/8/98 3:12:00 AM	JMK	1080407B
1,2,3-Trichlorobenzene	<2500	2500		µg/L	5000	EPA524.2	N/A	4/8/98 3:12:00 AM	JMK	1080407B
1,2,4-Trichlorobenzene	<2500	2500		µg/L	5000	EPA524.2	N/A	4/8/98 3:12:00 AM	JMK	1080407B
1,1,1-Trichloroethane	<2500	2500		µg/L	5000	EPA524.2	N/A	4/8/98 3:12:00 AM	JMK	1080407B
1,1,2-Trichloroethane	<2500	2500		µg/L	5000	EPA524.2	N/A	4/8/98 3:12:00 AM	JMK	1080407B
Trichloroethene	<2500	2500		µg/L	5000	EPA524.2	N/A	4/8/98 3:12:00 AM	JMK	1080407B
Trichlorofluoromethane	<2500	2500		µg/L	5000	EPA524.2	N/A	4/8/98 3:12:00 AM	JMK	1080407B
Trichlorotrifluoroethane	<2500	2500		µg/L	5000	EPA524.2	N/A	4/8/98 3:12:00 AM	JMK	1080407B
1,2,3-Trichloropropane	<2500	2500		µg/L	5000	EPA524.2	N/A	4/8/98 3:12:00 AM	JMK	1080407B
1,2,4-Trimethylbenzene	<2500	2500		µg/L	5000	EPA524.2	N/A	4/8/98 3:12:00 AM	JMK	1080407B
1,3,5-Trimethylbenzene	<2500	2500		µg/L	5000	EPA524.2	N/A	4/8/98 3:12:00 AM	JMK	1080407B
Vinyl chloride	<2500	2500		µg/L	5000	EPA524.2	N/A	4/8/98 3:12:00 AM	JMK	1080407B
m,p-Xylene	<2500	2500		µg/L	5000	EPA524.2	N/A	4/8/98 3:12:00 AM	JMK	1080407B
o-Xylene	<2500	2500		µg/L	5000	EPA524.2	N/A	4/8/98 3:12:00 AM	JMK	1080407B
Xylenes, total	<2500	2500		µg/L	5000	EPA524.2	N/A	4/8/98 3:12:00 AM	JMK	1080407B
4-Bromofluorobenzene	127	70-130		%REC	5000	EPA524.2	N/A	4/8/98 3:12:00 AM	JMK	1080407B
1,2-Dichlorobenzene-d4	130	70-130		%REC	5000	EPA524.2	N/A	4/8/98 3:12:00 AM	JMK	1080407B

Qualifiers:

S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
H - Analyzed past EPA recommended Holding Time
X - Value exceeds Maximum Contaminant Level
R - RPD outside accepted recovery limits
E - Value above quantitation range
D - Surrogate diluted out

Confidential and Privileged

Amended Report

McKENZIE LABORATORIES

Date Printed: 22-Apr-98

CLIENT: Basin and Range Hydrogeologists
Work Order: 9803230
Lab ID: 9803230-13
Project Name: DOLPHIN
Project Number: 91129.102

Client Sample ID: DIMW1-FB-14
Collection Date: 3/26/98 12:45:00 PM
Matrix: AQUEOUS

Analyte	Result	Limit	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Benzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/7/98 7:18:00 PM	JMK	1080407B
Bromobenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/7/98 7:18:00 PM	JMK	1080407B
Bromochloromethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/7/98 7:18:00 PM	JMK	1080407B
Bromodichloromethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/7/98 7:18:00 PM	JMK	1080407B
Bromoform	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/7/98 7:18:00 PM	JMK	1080407B
Bromomethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/7/98 7:18:00 PM	JMK	1080407B
n-Butylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/7/98 7:18:00 PM	JMK	1080407B
sec-Butylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/7/98 7:18:00 PM	JMK	1080407B
tert-Butylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/7/98 7:18:00 PM	JMK	1080407B
Carbon tetrachloride	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/7/98 7:18:00 PM	JMK	1080407B
Chlorobenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/7/98 7:18:00 PM	JMK	1080407B
Chloroethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/7/98 7:18:00 PM	JMK	1080407B
Chloroform	0.6	0.5		µg/L	1	EPA524.2	N/A	4/7/98 7:18:00 PM	JMK	1080407B
Chloromethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/7/98 7:18:00 PM	JMK	1080407B
2-Chlorotoluene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/7/98 7:18:00 PM	JMK	1080407B
4-Chlorotoluene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/7/98 7:18:00 PM	JMK	1080407B
Dibromochloromethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/7/98 7:18:00 PM	JMK	1080407B
1,2-Dibromo-3-chloropropane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/7/98 7:18:00 PM	JMK	1080407B
1,2-Dibromoethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/7/98 7:18:00 PM	JMK	1080407B
Dibromomethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/7/98 7:18:00 PM	JMK	1080407B
1,2-Dichlorobenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/7/98 7:18:00 PM	JMK	1080407B
1,3-Dichlorobenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/7/98 7:18:00 PM	JMK	1080407B
1,4-Dichlorobenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/7/98 7:18:00 PM	JMK	1080407B
Dichlorodifluoromethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/7/98 7:18:00 PM	JMK	1080407B
1,1-Dichloroethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/7/98 7:18:00 PM	JMK	1080407B
1,2-Dichloroethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/7/98 7:18:00 PM	JMK	1080407B
1,1-Dichloroethene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/7/98 7:18:00 PM	JMK	1080407B
cis-1,2-Dichloroethene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/7/98 7:18:00 PM	JMK	1080407B
trans-1,2-Dichloroethene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/7/98 7:18:00 PM	JMK	1080407B
1,2-Dichloropropane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/7/98 7:18:00 PM	JMK	1080407B
1,3-Dichloropropane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/7/98 7:18:00 PM	JMK	1080407B
2,2-Dichloropropane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/7/98 7:18:00 PM	JMK	1080407B
1,1-Dichloropropene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/7/98 7:18:00 PM	JMK	1080407B
cis-1,3-Dichloropropene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/7/98 7:18:00 PM	JMK	1080407B
trans-1,3-Dichloropropene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/7/98 7:18:00 PM	JMK	1080407B
Ethylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/7/98 7:18:00 PM	JMK	1080407B
Hexachlorobutadiene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/7/98 7:18:00 PM	JMK	1080407B
Isopropylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/7/98 7:18:00 PM	JMK	1080407B
4-Isopropyltoluene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/7/98 7:18:00 PM	JMK	1080407B

Qualifiers:

S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
H - Analyzed past EPA recommended Holding Time
X - Value exceeds Maximum Contaminant Level
R - RPD outside accepted recovery limits
E - Value above quantitation range
D - Surrogate diluted out

Confidential and Privileged

Amended Report

McKENZIE LABORATORIES

Date Printed: 22-Apr-98

CLIENT: Basin and Range Hydrogeologists
Work Order: 9803230
Lab ID: 9803230-13
Project Name: DOLPHIN
Project Number: 91129.102

Client Sample ID: DIMW1-FB-14
Collection Date: 3/26/98 12:45:00 PM
Matrix: AQUEOUS

Analyte	Result	Limit	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Methyl tert-butyl ether	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/7/98 7:18:00 PM	JMK	1080407B
Methylene chloride	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/7/98 7:18:00 PM	JMK	1080407B
Naphthalene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/7/98 7:18:00 PM	JMK	1080407B
n-Propylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/7/98 7:18:00 PM	JMK	1080407B
Styrene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/7/98 7:18:00 PM	JMK	1080407B
1,1,1,2-Tetrachloroethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/7/98 7:18:00 PM	JMK	1080407B
1,1,2,2-Tetrachloroethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/7/98 7:18:00 PM	JMK	1080407B
Tetrachloroethene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/7/98 7:18:00 PM	JMK	1080407B
Toluene	0.6	0.5		µg/L	1	EPA524.2	N/A	4/7/98 7:18:00 PM	JMK	1080407B
1,2,3-Trichlorobenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/7/98 7:18:00 PM	JMK	1080407B
1,2,4-Trichlorobenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/7/98 7:18:00 PM	JMK	1080407B
1,1,1-Trichloroethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/7/98 7:18:00 PM	JMK	1080407B
1,1,2-Trichloroethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/7/98 7:18:00 PM	JMK	1080407B
Trichloroethene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/7/98 7:18:00 PM	JMK	1080407B
Trichlorofluoromethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/7/98 7:18:00 PM	JMK	1080407B
Trichlorotrifluoroethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/7/98 7:18:00 PM	JMK	1080407B
1,2,3-Trichloropropane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/7/98 7:18:00 PM	JMK	1080407B
1,2,4-Trimethylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/7/98 7:18:00 PM	JMK	1080407B
1,3,5-Trimethylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/7/98 7:18:00 PM	JMK	1080407B
Vinyl chloride	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/7/98 7:18:00 PM	JMK	1080407B
m,p-Xylene	0.9	0.5		µg/L	1	EPA524.2	N/A	4/7/98 7:18:00 PM	JMK	1080407B
o-Xylene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/7/98 7:18:00 PM	JMK	1080407B
Xylenes, total	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/7/98 7:18:00 PM	JMK	1080407B
4-Bromofluorobenzene	124	70-130		%REC	1	EPA524.2	N/A	4/7/98 7:18:00 PM	JMK	1080407B
1,2-Dichlorobenzene-d4	126	70-130		%REC	1	EPA524.2	N/A	4/7/98 7:18:00 PM	JMK	1080407B

Qualifiers:

S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
H - Analyzed past EPA recommended Holding Time
X - Value exceeds Maximum Contaminant Level
R - RPD outside accepted recovery limits
E - Value above quantitation range
D - Surrogate diluted out

Confidential and Privileged

Amended Report

AMENDED REPORT

McKENZIE LABORATORIES

Date: 22-Apr-98

CLIENT: Basin and Range Hydrogeologists
Work Order: 9803230
Project: DOLPHIN/91129.102

QC SUMMARY REPORT

Method Blank

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Benzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 11:26 a	JMK	980327B
Bromobenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 11:26 a	JMK	980327B
Bromochloromethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 11:26 a	JMK	980327B
Bromodichloromethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 11:26 a	JMK	980327B
Bromoform	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 11:26 a	JMK	980327B
Bromomethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 11:26 a	JMK	980327B
n-Butylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 11:26 a	JMK	980327B
sec-Butylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 11:26 a	JMK	980327B
tert-Butylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 11:26 a	JMK	980327B
Carbon tetrachloride	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 11:26 a	JMK	980327B
Chlorobenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 11:26 a	JMK	980327B
Chloroethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 11:26 a	JMK	980327B
Chloroform	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 11:26 a	JMK	980327B
Chloromethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 11:26 a	JMK	980327B
2-Chlorotoluene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 11:26 a	JMK	980327B
4-Chlorotoluene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 11:26 a	JMK	980327B
Dibromochloromethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 11:26 a	JMK	980327B
1,2-Dibromo-3-chloropropane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 11:26 a	JMK	980327B
1,2-Dibromoethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 11:26 a	JMK	980327B
Dibromomethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 11:26 a	JMK	980327B
1,2-Dichlorobenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 11:26 a	JMK	980327B
1,3-Dichlorobenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 11:26 a	JMK	980327B
1,4-Dichlorobenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 11:26 a	JMK	980327B
Dichlorodifluoromethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 11:26 a	JMK	980327B
1,1-Dichloroethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 11:26 a	JMK	980327B
1,2-Dichloroethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 11:26 a	JMK	980327B
1,1-Dichloroethene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 11:26 a	JMK	980327B
cis-1,2-Dichloroethene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 11:26 a	JMK	980327B
trans-1,2-Dichloroethene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 11:26 a	JMK	980327B
1,2-Dichloropropane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 11:26 a	JMK	980327B
1,3-Dichloropropane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 11:26 a	JMK	980327B
2,2-Dichloropropane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 11:26 a	JMK	980327B
1,1-Dichloropropene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 11:26 a	JMK	980327B
cis-1,3-Dichloropropene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 11:26 a	JMK	980327B
trans-1,3-Dichloropropene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 11:26 a	JMK	980327B
Ethylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 11:26 a	JMK	980327B
Hexachlorobutadiene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 11:26 a	JMK	980327B
Isopropylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 11:26 a	JMK	980327B
4-Isopropyltoluene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 11:26 a	JMK	980327B
Methyl tert-butyl ether	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 11:26 a	JMK	980327B
Methylene chloride	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 11:26 a	JMK	980327B
Naphthalene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 11:26 a	JMK	980327B
n-Propylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 11:26 a	JMK	980327B

Qualifiers:

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank
E - Value above quantitation range
H - Analyzed past EPA recommended Holding Time
D - Surrogate diluted out

Confidential and Privileged

AMENDED
REPORT

McKENZIE LABORATORIES

Date: 22-Apr-98

CLIENT: Basin and Range Hydrogeologists
Work Order: 9803230
Project: DOLPHIN/91129.102

QC SUMMARY REPORT
Method Blank

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Styrene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 11:26 a	JMK	980327B
1,1,1,2-Tetrachloroethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 11:26 a	JMK	980327B
1,1,2,2-Tetrachloroethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 11:26 a	JMK	980327B
Tetrachloroethene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 11:26 a	JMK	980327B
Toluene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 11:26 a	JMK	980327B
1,2,3-Trichlorobenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 11:26 a	JMK	980327B
1,2,4-Trichlorobenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 11:26 a	JMK	980327B
1,1,1-Trichloroethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 11:26 a	JMK	980327B
1,1,2-Trichloroethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 11:26 a	JMK	980327B
Trichloroethene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 11:26 a	JMK	980327B
Trichlorofluoromethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 11:26 a	JMK	980327B
Trichlorotrifluoroethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 11:26 a	JMK	980327B
1,2,3-Trichloropropane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 11:26 a	JMK	980327B
1,2,4-Trimethylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 11:26 a	JMK	980327B
1,3,5-Trimethylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 11:26 a	JMK	980327B
Vinyl chloride	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 11:26 a	JMK	980327B
m,p-Xylene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 11:26 a	JMK	980327B
o-Xylene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 11:26 a	JMK	980327B
Xylenes, total	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 11:26 a	JMK	980327B
4-Bromofluorobenzene	98	70-130		%REC	1	EPA524.2	N/A	3/27/98 11:26 a	JMK	980327B
1,2-Dichlorobenzene-d4	116	70-130		%REC	1	EPA524.2	N/A	3/27/98 11:26 a	JMK	980327B

Qualifiers:

S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
H - Analyzed past EPA recommended Holding Time
R - RPD outside accepted recovery limits
E - Value above quantitation range
D - Surrogate diluted out

Confidential and Privileged

AMENDED REPORT

McKENZIE LABORATORIES

Date: 22-Apr-98

CLIENT: Basin and Range Hydrogeologists
Work Order: 9803230
Project: DOLPHIN/91129.102

QC SUMMARY REPORT

Method Blank

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Benzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 5:20 p	JMK	1080406B
Bromobenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 5:20 p	JMK	1080406B
Bromochloromethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 5:20 p	JMK	1080406B
Bromodichloromethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 5:20 p	JMK	1080406B
Bromoform	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 5:20 p	JMK	1080406B
Bromomethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 5:20 p	JMK	1080406B
n-Butylbenzene	0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 5:20 p	JMK	1080406B
sec-Butylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 5:20 p	JMK	1080406B
tert-Butylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 5:20 p	JMK	1080406B
Carbon tetrachloride	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 5:20 p	JMK	1080406B
Chlorobenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 5:20 p	JMK	1080406B
Chloroethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 5:20 p	JMK	1080406B
Chloroform	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 5:20 p	JMK	1080406B
Chloromethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 5:20 p	JMK	1080406B
2-Chlorotoluene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 5:20 p	JMK	1080406B
4-Chlorotoluene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 5:20 p	JMK	1080406B
Dibromochloromethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 5:20 p	JMK	1080406B
1,2-Dibromo-3-chloropropane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 5:20 p	JMK	1080406B
1,2-Dibromoethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 5:20 p	JMK	1080406B
Dibromomethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 5:20 p	JMK	1080406B
1,2-Dichlorobenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 5:20 p	JMK	1080406B
1,3-Dichlorobenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 5:20 p	JMK	1080406B
1,4-Dichlorobenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 5:20 p	JMK	1080406B
Dichlorodifluoromethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 5:20 p	JMK	1080406B
1,1-Dichloroethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 5:20 p	JMK	1080406B
1,2-Dichloroethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 5:20 p	JMK	1080406B
1,1-Dichloroethene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 5:20 p	JMK	1080406B
cis-1,2-Dichloroethene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 5:20 p	JMK	1080406B
trans-1,2-Dichloroethene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 5:20 p	JMK	1080406B
1,2-Dichloropropane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 5:20 p	JMK	1080406B
1,3-Dichloropropane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 5:20 p	JMK	1080406B
2,2-Dichloropropane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 5:20 p	JMK	1080406B
1,1-Dichloropropene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 5:20 p	JMK	1080406B
cis-1,3-Dichloropropene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 5:20 p	JMK	1080406B
trans-1,3-Dichloropropene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 5:20 p	JMK	1080406B
Ethylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 5:20 p	JMK	1080406B
Hexachlorobutadiene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 5:20 p	JMK	1080406B
Isopropylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 5:20 p	JMK	1080406B
4-Isopropyltoluene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 5:20 p	JMK	1080406B
Methyl tert-butyl ether	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 5:20 p	JMK	1080406B
Methylene chloride	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 5:20 p	JMK	1080406B
Naphthalene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 5:20 p	JMK	1080406B
n-Propylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 5:20 p	JMK	1080406B

Qualifiers:

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank
E - Value above quantitation range
H - Analyzed past EPA recommended Holding Time
D - Surrogate diluted out

Confidential and Privileged

AMENDED
REPORT

McKENZIE LABORATORIES

Date: 22-Apr-98

CLIENT: Basin and Range Hydrogeologists
Work Order: 9803230
Project: DOLPHIN/91129.102

QC SUMMARY REPORT

Method Blank

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Styrene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 5:20 p	JMK	1080406B
1,1,1,2-Tetrachloroethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 5:20 p	JMK	1080406B
1,1,2,2-Tetrachloroethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 5:20 p	JMK	1080406B
Tetrachloroethene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 5:20 p	JMK	1080406B
Toluene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 5:20 p	JMK	1080406B
1,2,3-Trichlorobenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 5:20 p	JMK	1080406B
1,2,4-Trichlorobenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 5:20 p	JMK	1080406B
1,1,1-Trichloroethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 5:20 p	JMK	1080406B
1,1,2-Trichloroethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 5:20 p	JMK	1080406B
Trichloroethene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 5:20 p	JMK	1080406B
Trichlorofluoromethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 5:20 p	JMK	1080406B
Trichlorotrifluoroethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 5:20 p	JMK	1080406B
1,2,3-Trichloropropane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 5:20 p	JMK	1080406B
1,2,4-Trimethylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 5:20 p	JMK	1080406B
1,3,5-Trimethylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 5:20 p	JMK	1080406B
Vinyl chloride	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 5:20 p	JMK	1080406B
m,p-Xylene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 5:20 p	JMK	1080406B
o-Xylene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 5:20 p	JMK	1080406B
Xylenes, total	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/6/98 5:20 p	JMK	1080406B
4-Bromofluorobenzene	118	70-130		%REC	1	EPA524.2	N/A	4/6/98 5:20 p	JMK	1080406B
1,2-Dichlorobenzene-d4	121	70-130		%REC	1	EPA524.2	N/A	4/6/98 5:20 p	JMK	1080406B

Qualifiers:

S - Spike Recovery outside accepted recovery limits
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Confidential and Privileged

AMENDED
REPORT

McKENZIE LABORATORIES

Date: 22-Apr-98

CLIENT: Basin and Range Hydrogeologists
Work Order: 9803230
Project: DOLPHIN/91129.102

QC SUMMARY REPORT
Method Blank

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Benzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/7/98 6:29 p	JMK	1080407B
Bromobenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/7/98 6:29 p	JMK	1080407B
Bromochloromethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/7/98 6:29 p	JMK	1080407B
Bromodichloromethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/7/98 6:29 p	JMK	1080407B
Bromoform	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/7/98 6:29 p	JMK	1080407B
Bromomethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/7/98 6:29 p	JMK	1080407B
n-Butylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/7/98 6:29 p	JMK	1080407B
sec-Butylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/7/98 6:29 p	JMK	1080407B
tert-Butylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/7/98 6:29 p	JMK	1080407B
Carbon tetrachloride	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/7/98 6:29 p	JMK	1080407B
Chlorobenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/7/98 6:29 p	JMK	1080407B
Chloroethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/7/98 6:29 p	JMK	1080407B
Chloroform	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/7/98 6:29 p	JMK	1080407B
Chloromethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/7/98 6:29 p	JMK	1080407B
2-Chlorotoluene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/7/98 6:29 p	JMK	1080407B
4-Chlorotoluene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/7/98 6:29 p	JMK	1080407B
Dibromochloromethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/7/98 6:29 p	JMK	1080407B
1,2-Dibromo-3-chloropropane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/7/98 6:29 p	JMK	1080407B
1,2-Dibromoethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/7/98 6:29 p	JMK	1080407B
Dibromomethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/7/98 6:29 p	JMK	1080407B
1,2-Dichlorobenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/7/98 6:29 p	JMK	1080407B
1,3-Dichlorobenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/7/98 6:29 p	JMK	1080407B
1,4-Dichlorobenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/7/98 6:29 p	JMK	1080407B
Dichlorodifluoromethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/7/98 6:29 p	JMK	1080407B
1,1-Dichloroethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/7/98 6:29 p	JMK	1080407B
1,2-Dichloroethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/7/98 6:29 p	JMK	1080407B
1,1-Dichloroethene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/7/98 6:29 p	JMK	1080407B
cis-1,2-Dichloroethene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/7/98 6:29 p	JMK	1080407B
trans-1,2-Dichloroethene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/7/98 6:29 p	JMK	1080407B
1,2-Dichloropropane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/7/98 6:29 p	JMK	1080407B
1,3-Dichloropropane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/7/98 6:29 p	JMK	1080407B
2,2-Dichloropropane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/7/98 6:29 p	JMK	1080407B
1,1-Dichloropropene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/7/98 6:29 p	JMK	1080407B
cis-1,3-Dichloropropene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/7/98 6:29 p	JMK	1080407B
trans-1,3-Dichloropropene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/7/98 6:29 p	JMK	1080407B
Ethylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/7/98 6:29 p	JMK	1080407B
Hexachlorobutadiene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/7/98 6:29 p	JMK	1080407B
Isopropylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/7/98 6:29 p	JMK	1080407B
4-Isopropyltoluene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/7/98 6:29 p	JMK	1080407B
Methyl tert-butyl ether	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/7/98 6:29 p	JMK	1080407B
Methylene chloride	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/7/98 6:29 p	JMK	1080407B
Naphthalene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/7/98 6:29 p	JMK	1080407B
n-Propylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/7/98 6:29 p	JMK	1080407B

Qualifiers:
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B - Analyte detected in the associated Method Blank
E - Value above quantitation range
H - Analyzed past EPA recommended Holding Time
D - Surrogate diluted out

Confidential and Privileged

AMENDED
REPORT

McKENZIE LABORATORIES

Date: 22-Apr-98

CLIENT: Basin and Range Hydrogeologists
Work Order: 9803230
Project: DOLPHIN/91129.102

QC SUMMARY REPORT

Method Blank

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Styrene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/7/98 6:29 p	JMK	1080407B
1,1,1,2-Tetrachloroethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/7/98 6:29 p	JMK	1080407B
1,1,2,2-Tetrachloroethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/7/98 6:29 p	JMK	1080407B
Tetrachloroethene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/7/98 6:29 p	JMK	1080407B
Toluene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/7/98 6:29 p	JMK	1080407B
1,2,3-Trichlorobenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/7/98 6:29 p	JMK	1080407B
1,2,4-Trichlorobenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/7/98 6:29 p	JMK	1080407B
1,1,1-Trichloroethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/7/98 6:29 p	JMK	1080407B
1,1,2-Trichloroethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/7/98 6:29 p	JMK	1080407B
Trichloroethene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/7/98 6:29 p	JMK	1080407B
Trichlorofluoromethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/7/98 6:29 p	JMK	1080407B
Trichlorotrifluoroethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/7/98 6:29 p	JMK	1080407B
1,2,3-Trichloropropane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/7/98 6:29 p	JMK	1080407B
1,2,4-Trimethylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/7/98 6:29 p	JMK	1080407B
1,3,5-Trimethylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/7/98 6:29 p	JMK	1080407B
Vinyl chloride	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/7/98 6:29 p	JMK	1080407B
m,p-Xylene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/7/98 6:29 p	JMK	1080407B
o-Xylene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/7/98 6:29 p	JMK	1080407B
Xylenes, total	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/7/98 6:29 p	JMK	1080407B
4-Bromofluorobenzene	127	70-130		%REC	1	EPA524.2	N/A	4/7/98 6:29 p	JMK	1080407B
1,2-Dichlorobenzene-d4	131	70-130	S	%REC	1	EPA524.2	N/A	4/7/98 6:29 p	JMK	1080407B

Qualifiers:

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Confidential and Privileged

AMENDED
REPORT

McKENZIE LABORATORIES

Date: 22-Apr-98

CLIENT: Basin and Range Hydrogeologists
Work Order: 9803230
Project: DOLPHIN/91129.102

QC SUMMARY REPORT
Method Blank

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Benzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/8/98 3:48 p	JMK	1080408B
Bromobenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/8/98 3:48 p	JMK	1080408B
Bromochloromethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/8/98 3:48 p	JMK	1080408B
Bromodichloromethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/8/98 3:48 p	JMK	1080408B
Bromoform	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/8/98 3:48 p	JMK	1080408B
Bromomethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/8/98 3:48 p	JMK	1080408B
n-Butylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/8/98 3:48 p	JMK	1080408B
sec-Butylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/8/98 3:48 p	JMK	1080408B
tert-Butylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/8/98 3:48 p	JMK	1080408B
Carbon tetrachloride	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/8/98 3:48 p	JMK	1080408B
Chlorobenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/8/98 3:48 p	JMK	1080408B
Chloroethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/8/98 3:48 p	JMK	1080408B
Chloroform	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/8/98 3:48 p	JMK	1080408B
Chloromethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/8/98 3:48 p	JMK	1080408B
2-Chlorotoluene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/8/98 3:48 p	JMK	1080408B
4-Chlorotoluene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/8/98 3:48 p	JMK	1080408B
Dibromochloromethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/8/98 3:48 p	JMK	1080408B
1,2-Dibromo-3-chloropropane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/8/98 3:48 p	JMK	1080408B
1,2-Dibromoethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/8/98 3:48 p	JMK	1080408B
Dibromomethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/8/98 3:48 p	JMK	1080408B
1,2-Dichlorobenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/8/98 3:48 p	JMK	1080408B
1,3-Dichlorobenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/8/98 3:48 p	JMK	1080408B
1,4-Dichlorobenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/8/98 3:48 p	JMK	1080408B
Dichlorodifluoromethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/8/98 3:48 p	JMK	1080408B
1,1-Dichloroethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/8/98 3:48 p	JMK	1080408B
1,2-Dichloroethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/8/98 3:48 p	JMK	1080408B
1,1-Dichloroethene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/8/98 3:48 p	JMK	1080408B
cis-1,2-Dichloroethene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/8/98 3:48 p	JMK	1080408B
trans-1,2-Dichloroethene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/8/98 3:48 p	JMK	1080408B
1,2-Dichloropropane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/8/98 3:48 p	JMK	1080408B
1,3-Dichloropropane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/8/98 3:48 p	JMK	1080408B
2,2-Dichloropropane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/8/98 3:48 p	JMK	1080408B
1,1-Dichloropropene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/8/98 3:48 p	JMK	1080408B
cis-1,3-Dichloropropene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/8/98 3:48 p	JMK	1080408B
trans-1,3-Dichloropropene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/8/98 3:48 p	JMK	1080408B
Ethylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/8/98 3:48 p	JMK	1080408B
Hexachlorobutadiene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/8/98 3:48 p	JMK	1080408B
Isopropylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/8/98 3:48 p	JMK	1080408B
4-Isopropyltoluene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/8/98 3:48 p	JMK	1080408B
Methyl tert-butyl ether	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/8/98 3:48 p	JMK	1080408B
Methylene chloride	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/8/98 3:48 p	JMK	1080408B
Naphthalene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/8/98 3:48 p	JMK	1080408B
n-Propylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/8/98 3:48 p	JMK	1080408B

Qualifiers:
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B - Analyte detected in the associated Method Blank
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Confidential and Privileged

AMENDED
REPORT

McKENZIE LABORATORIES

Date: 22-Apr-98

CLIENT: Basin and Range Hydrogeologists
Work Order: 9803230
Project: DOLPHIN/91129.102

QC SUMMARY REPORT

Method Blank

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Styrene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/8/98 3:48 p	JMK	1080408B
1,1,1,2-Tetrachloroethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/8/98 3:48 p	JMK	1080408B
1,1,2,2-Tetrachloroethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/8/98 3:48 p	JMK	1080408B
Tetrachloroethene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/8/98 3:48 p	JMK	1080408B
Toluene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/8/98 3:48 p	JMK	1080408B
1,2,3-Trichlorobenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/8/98 3:48 p	JMK	1080408B
1,2,4-Trichlorobenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/8/98 3:48 p	JMK	1080408B
1,1,1-Trichloroethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/8/98 3:48 p	JMK	1080408B
1,1,2-Trichloroethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/8/98 3:48 p	JMK	1080408B
Trichloroethene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/8/98 3:48 p	JMK	1080408B
Trichlorofluoromethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/8/98 3:48 p	JMK	1080408B
Trichlorotrifluoroethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/8/98 3:48 p	JMK	1080408B
1,2,3-Trichloropropane	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/8/98 3:48 p	JMK	1080408B
1,2,4-Trimethylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/8/98 3:48 p	JMK	1080408B
1,3,5-Trimethylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/8/98 3:48 p	JMK	1080408B
Vinyl chloride	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/8/98 3:48 p	JMK	1080408B
m,p-Xylene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/8/98 3:48 p	JMK	1080408B
o-Xylene	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/8/98 3:48 p	JMK	1080408B
Xylenes, total	<0.5	0.5		µg/L	1	EPA524.2	N/A	4/8/98 3:48 p	JMK	1080408B
4-Bromofluorobenzene	122	70-130		%REC	1	EPA524.2	N/A	4/8/98 3:48 p	JMK	1080408B
1,2-Dichlorobenzene-d4	129	70-130		%REC	1	EPA524.2	N/A	4/8/98 3:48 p	JMK	1080408B

Qualifiers:

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AMENDED
REPORT

McKENZIE LABORATORIES

Date: 22-Apr-98

CLIENT: Basin and Range Hydrogeologists
Work Order: 9803230
Project: DOLPHIN/91129.102

QC SUMMARY REPORT

Blank Spike (primary source)

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Sample ID: **LCSD_1080327A**	Batch ID: 980327B			Test Code: EPA524.2				Date Analyzed: 3/27/98 10:41 a			
				Units: µg/L				Date Prepared: N/A			
Benzene	9.7	0.5	10	<0.5	97%	70	130	9.9	2%	20	
Chlorobenzene	9.4	0.5	10	<0.5	94%	70	130	9.7	3%	20	
1,1-Dichloroethene	9.6	0.5	10	<0.5	96%	70	130	10.2	7%	20	
Toluene	9.3	0.5	10	<0.5	93%	70	130	9.6	4%	20	
Trichloroethene	9.4	0.5	10	<0.5	94%	70	130	9.6	2%	20	
4-Bromofluorobenzene	10.3	N/A	10	N/A	103%	70	130				
1,2-Dichlorobenzene-d4	11.0	N/A	10	N/A	110%	70	130				
Sample ID: **LCS_1080327A**	Batch ID: 980327B			Test Code: EPA524.2				Date Analyzed: 3/27/98 9:58 a			
				Units: µg/L				Date Prepared: N/A			
Benzene	9.9	0.5	10	<0.5	99%	70	130				
Chlorobenzene	9.7	0.5	10	<0.5	97%	70	130				
1,1-Dichloroethene	10.2	0.5	10	<0.5	102%	70	130				
Toluene	9.6	0.5	10	<0.5	96%	70	130				
Trichloroethene	9.6	0.5	10	<0.5	96%	70	130				
4-Bromofluorobenzene	10.4	N/A	10	N/A	104%	70	130				
1,2-Dichlorobenzene-d4	10.5	N/A	10	N/A	105%	70	130				
Sample ID: **LCS_1080406A**	Batch ID: 1080406B			Test Code: EPA524.2				Date Analyzed: 4/6/98 3:12 p			
				Units: µg/L				Date Prepared: N/A			
Benzene	9.8	0.5	10	<0.5	98%	70	130				
Chlorobenzene	9.9	0.5	10	<0.5	99%	70	130				
1,1-Dichloroethene	11.9	0.5	10	<0.5	119%	70	130				
Toluene	10.2	0.5	10	<0.5	102%	70	130				
Trichloroethene	8.9	0.5	10	<0.5	89%	70	130				
4-Bromofluorobenzene	12.7	N/A	10	N/A	127%	70	130				
1,2-Dichlorobenzene-d4	10.4	N/A	10	N/A	104%	70	130				
Sample ID: **LCSD_1080406A**	Batch ID: 1080406B			Test Code: EPA524.2				Date Analyzed: 4/6/98 3:55 p			
				Units: µg/L				Date Prepared: N/A			
Benzene	9.4	0.5	10	<0.5	95%	70	130	9.8	4%	20	
Chlorobenzene	9.8	0.5	10	<0.5	98%	70	130	9.9	1%	20	
1,1-Dichloroethene	11.1	0.5	10	<0.5	111%	70	130	11.9	7%	20	
Toluene	9.8	0.5	10	<0.5	98%	70	130	10.2	4%	20	
Trichloroethene	8.7	0.5	10	<0.5	87%	70	130	8.9	3%	20	
4-Bromofluorobenzene	12.7	N/A	10	N/A	127%	70	130				
1,2-Dichlorobenzene-d4	10.5	N/A	10	N/A	105%	70	130				

Qualifiers:

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Confidential and Privileged

AMENDED
REPORT

McKENZIE LABORATORIES

Date: 22-Apr-98

CLIENT: Basin and Range Hydrogeologists
Work Order: 9803230
Project: DOLPHIN/91129.102

QC SUMMARY REPORT

Blank Spike (primary source)

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Sample ID: **LCS_1080407C**	Batch ID: 1080407B			Test Code: EPA524.2				Date Analyzed: 4/7/98 4:18 p			
				Units: µg/L				Date Prepared: N/A			
Benzene	9.8	0.5	10	<0.5	98%	70	130				
Chlorobenzene	10.5	0.5	10	<0.5	105%	70	130				
1,1-Dichloroethene	9.5	0.5	10	<0.5	95%	70	130				
Toluene	10.1	0.5	10	<0.5	101%	70	130				
Trichloroethene	8.0	0.5	10	<0.5	80%	70	130				
4-Bromofluorobenzene	12.9	N/A	10	N/A	129%	70	130				
1,2-Dichlorobenzene-d4	10.4	N/A	10	N/A	104%	70	130				
Sample ID: **LCSD_1080407C**	Batch ID: 1080407B			Test Code: EPA524.2				Date Analyzed: 4/7/98 5:01 p			
				Units: µg/L				Date Prepared: N/A			
Benzene	9.1	0.5	10	<0.5	91%	70	130	9.8	7%	20	
Chlorobenzene	10.3	0.5	10	<0.5	103%	70	130	10.5	2%	20	
1,1-Dichloroethene	10.9	0.5	10	<0.5	109%	70	130	9.5	13%	20	
Toluene	9.9	0.5	10	<0.5	99%	70	130	10.1	2%	20	
Trichloroethene	8.2	0.5	10	<0.5	82%	70	130	8.0	2%	20	
4-Bromofluorobenzene	13.0	N/A	10	N/A	130%	70	130				
1,2-Dichlorobenzene-d4	10.6	N/A	10	N/A	106%	70	130				
Sample ID: **LCS_1080408A**	Batch ID: 1080408B			Test Code: EPA524.2				Date Analyzed: 4/8/98 1:36 p			
				Units: µg/L				Date Prepared: N/A			
Benzene	9.6	0.5	10	<0.5	96%	70	130				
Chlorobenzene	10.7	0.5	10	<0.5	107%	70	130				
1,1-Dichloroethene	14.6	0.5	10	<0.5	146%	70	130				S
Toluene	10.6	0.5	10	<0.5	106%	70	130				
Trichloroethene	8.8	0.5	10	<0.5	88%	70	130				
4-Bromofluorobenzene	12.8	N/A	10	N/A	128%	70	130				
1,2-Dichlorobenzene-d4	10.6	N/A	10	N/A	106%	70	130				
Sample ID: **LCSD_1080408A**	Batch ID: 1080408B			Test Code: EPA524.2				Date Analyzed: 4/8/98 2:19 p			
				Units: µg/L				Date Prepared: N/A			
Benzene	9.4	0.5	10	<0.5	94%	70	130	9.6	2%	20	
Chlorobenzene	10.5	0.5	10	<0.5	105%	70	130	10.7	2%	20	
1,1-Dichloroethene	13.1	0.5	10	<0.5	131%	70	130	14.6	11%	20	S
Toluene	10.2	0.5	10	<0.5	102%	70	130	10.6	3%	20	
Trichloroethene	8.5	0.5	10	<0.5	85%	70	130	8.8	3%	20	
4-Bromofluorobenzene	12.8	N/A	10	N/A	128%	70	130				
1,2-Dichlorobenzene-d4	10.4	N/A	10	N/A	104%	70	130				

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D - Surrogate diluted out

Confidential and Privileged

McKENZIE LABORATORIES

Chain of Custody

McKenzie Labs
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DATE 3·26·98 PAGE 1 of 2

PROJECT MANAGER: PHIL LAGAS

COMPANY: BASIN & RANGE HYDROGEOLOGISTS
ADDRESS: 5080 N. 40th St, STE 105
PHOENIX, AZ 85018

BILL TO:
COMPANY:
ADDRESS:

[signature] Robert D. Lawrence 840-8011 840-3333
SAMPLERS: (Signature) FAX NUMBER PHONE NUMBER

9803 230

ANALYSIS REQUEST

SAMPLE ID	PRES.	TYPE OF CONTAINER	DATE	TIME	MATRIX	LAB ID	Petroleum Hydrocarbons (418.1 / 418.1 AZ)	BTXE (8021)	Chlorinated Hydrocarbons (601/8021)	Aromatic Hydrocarbons (602/8021)	VOCs (524.2)	Organochlorine Pesticides (608/8081)	Chlorinated Herbicides (615/8151)	Organophosphate Pesticides (614/8141)	Semi-Volatile Organics GC/MS (625/8270)	Volatile Organics GC/MS (624/8240)	SDWA Primary Standards	SDWA Secondary Standards	SDWA Volatiles (502.1/503.1/502.2)	The 13 Priority Pollutant Metals	The 8 RCRA Metals by TCLP (1311)	NUMBER OF CONTAINERS
DITB-032698	HCl	VOAs	3/26/98	0800	WATER	01A					X											2
DIMW3-410-14	HCl	VOAs	3/26/98	0831	WATER	02A					X											3
DIMW3-345-14	HCl	VOAs	3/26/98	0852	WATER	03A					X											3
DIMW3-240-14	HCl	VOAs	3/26/98	0906	WATER	04A					X											3
DIMW3-165-14	HCl	VOAs	3/26/98	0921	WATER	05A					X											3
DIMW3-90-14	HCl	VOAs	3/26/98	0940	WATER	06A					X											4
DIMW3-95-14	HCl	VOAs	3/26/98	0945	WATER	07A					X											3
DIMW1-410-14	HCl	VOAs	3/26/98	1058	WATER	08A					X											3
DIMW1-345-14	HCl	VOAs	3/26/98	1133	WATER	09A					X											

PROJECT INFORMATION		SAMPLE RECEIPT	
PROJECT NO:	91129.102	TOTAL NO. OF CONTAINERS:	27
PROJECT NAME:	DOLPHIN	CHAIN OF CUSTODY SEALS:	YES
P.O. NO.:	91129.102	RECEIVED INTACT:	YES
SHIPPED VIA:	hand deliver	TEMPERATURE:	AMBIENT /COLD
SAMPLE DISPOSAL INSTRUCTIONS*		ICE:	PRESENT / ABSENT
☒ McKENZIE ☐ RETURN			WET / BLUE

PRIOR AUTHORIZATION IS REQUIRED FOR RUSH PROJECTS ☐

TAT: (NORMAL) ☒ (RUSH) ☐ 24 ☐ 48 ☐ 72 ☐ 1 WEEK

Comments:

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature: [signature] Time: 1335	Signature: Time:	Signature: Time:
Printed Name: Jeannie Chang Date: 26 Mar 98	Printed Name: Date:	Printed Name: Date:
Company: Basin & Range	Company:	Company:

RECEIVED BY: 1.	RECEIVED BY: 2.	RECEIVED BY: 3.
Signature: [signature] Time: 1335	Signature: Time:	Signature: Time:
Printed Name: Pete Barsetti Date: 26 Mar 98	Printed Name: Date:	Printed Name: Date:
Company: McKenzie	Company:	Company:

* Samples will be discarded / returned after 60 days

White, Canary: McKenzie Labs Pink: Originator

McKENZIE LABORATORIES

Chain of Custody

McKenzie Labs
3725 E. Atlanta Ave.
Phoenix, AZ 85040
(602) 470-0288
FAX (602) 470-0756

DATE 3-26-98 PAGE 2 of 2

PROJECT MANAGER: PHIL LAGAS

COMPANY: BASIN & RANGE HYDROGEOLOGISTS

ADDRESS: 5080 N. 40th St, STE 105
PHOENIX, AZ 85018

BILL TO:

COMPANY:

ADDRESS:

Chang, Robert D. Lowman 840-8011 840-3333
SAMPLERS: (Signature) FAX NUMBER PHONE NUMBER

9803230

ANALYSIS REQUEST

SAMPLE ID	PRES.	TYPE OF CONTAINER	DATE	TIME	MATRIX	LAB ID
DIMW1-240-14	HCl	VOAs	3/26/98	1158	WATER	10A
DIMW1-165-14	HCl	VOAs	3/26/98	1215	WATER	11A
DIMW1-90-14	HCl	VOAs	3/26/98	1227	WATER	12A
DIMW1-FB-14	HCl	VOAs	3/26/98	1245	WATER	13A

	Petroleum Hydrocarbons (418.1 / 418.1 AZ)	BTXE (8021)	Chlorinated Hydrocarbons (601/8021)	Aromatic Hydrocarbons (602/8021)	VOCs (524.2)	Organochlorine Pesticides (608/8081)	Chlorinated Herbicides (615/8151)	Organophosphate Pesticides (614/8141)	Semi-Volatile Organics GC/MS (625/8270)	Volatile Organics GC/MS (624/8240)	SDWA Primary Standards	SDWA Secondary Standards	SDWA Volatiles (502.1/503.1/502.2)	The 13 Priority Pollutant Metals	The 8 RCRA Metals by TCLP (1311)	NUMBER OF CONTAINERS
DIMW1-240-14					X											3
DIMW1-165-14					X											3
DIMW1-90-14					X											3
DIMW1-FB-14					X											3

PROJECT INFORMATION		SAMPLE RECEIPT	
PROJECT NO: 91129.102		TOTAL NO. OF CONTAINERS:	12
PROJECT NAME: DOLPHIN		CHAIN OF CUSTODY SEALS:	Yes
P.O. NO.: 91129.102		RECEIVED INTACT:	YES
SHIPPED VIA: hand deliver		TEMPERATURE:	AMBIENT / COLD
SAMPLE DISPOSAL INSTRUCTIONS*		ICE:	PRESENT / ABSENT
☒ McKENZIE ☐ RETURN			WET / BLUE

PRIOR AUTHORIZATION IS REQUIRED FOR RUSH PROJECTS ☐

TAT: (NORMAL) ☒ (RUSH) ☐ 24 ☐ 48 ☐ 72 ☐ 1 WEEK

Comments:

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature: Time: 1355	Signature: Time:	Signature: Time:
Printed Name: Date: Jeannie Chang 26MAR98	Printed Name: Date:	Printed Name: Date:
Company: B&R HYDRO	Company:	Company:
RECEIVED BY: 1.	**RECEIVED BY: 2.**	**RECEIVED BY: 3.**
Signature: Time: 1355	Signature: Time:	Signature: Time:
Printed Name: Date: Pete Gregson - 26MAR98	Printed Name: Date:	Printed Name: Date:
Company: McK	Company:	Company:

* Samples will be discarded / returned after 60 days

White, Canary: McKenzie Labs Pink: Originator

McKENZIE
LABORATORIES

E5350.1.2.16.0.5

West Van Buren WOARF Area

APR 1998
Received
Remedial Projects
Unit

EPR 1 8 1998

April 15, 1998

Phil Lagas
Basin and Range Hydrogeologists
5080 N. 40th St.
Suite 105
Phoenix, AZ 85018
TEL: (602) 840-3333
FAX: (602) 840-8011

RE: DOLPHIN/91129.102

Work Order No.: 9803215

Dear Phil Lagas,

McKenzie Laboratories, Inc. received 7 samples on 3/25/98 2:15:00 PM for the analyses presented in the following report.

The Case Narrative of this report addresses any Quality Control and/or Quality Assurance issues associated with this Work Order.

If you have any questions regarding these test results, please feel free to call.

Sincerely,

Maja Radwick

Laboratory Representative

MCKENZIE
LABORATORIES

Client:	Basin and Range Hydrogeologists
Work Order:	9803215
Project Name:	DOLPHIN
Project Number:	91129.102

Date Printed: 15-Apr-98

CASE NARRATIVE

McKenzie Laboratories, Inc. uses the methods outlined in the following references:

Methods for the Determination of Organic Compounds in Drinking Water, EPA-600/4-88/039, Revised July, 1991.

Code of Federal Regulations, 40CFR, Part 136, Revised July 1995.

Standard Methods for the Examination of Water and Wastewater, 19th Edition, 1995.

Methods for Chemical Analysis of Water and Wastes, EPA-600/4-79-020, Revised March 1983.

Methods for the Determination of Inorganic Substances in Environmental Samples, EPA/600/R-93/100, Revised August 1993.

Methods for the Determination of Metals in Environmental Samples, EPA/600/R-94/111, Revised May 1994.

Hach, Water Analysis Handbook, 2nd Edition, 1992.

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, 3rd Edition.

Metals were analyzed using multi-element ICP instrumentation. Some metals reported in the QC report may not be associated with this Work Order.

Secondary Source QC Sample (LCSV) results may not be reported for all methods and/or analysis dates.

All method blanks, laboratory spikes, and/or matrix spikes met quality control objectives for the parameters associated with this Work Order except as noted below.

Analytical Comments for Method EPA524.2, Batch 980326A:
Trichlorotrifluoroethane was not part of the calibration mix and is not included in the list of target analytes. The samples were scanned for Trichlorotrifluoromethane, and it was detected in samples 9803215-04 and -05. It is reported as a Tentatively Identified Compound with an estimated value for these samples.

Analytical Comments for Method EPA524.2, Sample 9803215-01, Batch 980326A:
The pH of this sample is approximately <2 as determined by test strip.

Client: Basin and Range Hydrogeologists
Work Order: 9803215
Project Name: DOLPHIN
Project Number: 91129.102

Date Printed: 15-Apr-98

CASE NARRATIVE

Analytical Comments for Method EPA524.2, Sample 9803215-02, Batch 980326A:
The pH of this sample is approximately <2 as determined by test strip.

Analytical Comments for Method EPA524.2, Sample 9803215-03, Batch 980326A:
The pH of this sample is approximately <2 as determined by test strip.

Analytical Comments for Method EPA524.2, Sample 9803215-04, Batch 980326A:
The pH of this sample is approximately <2 as determined by test strip.

Analytical Comments for Method EPA524.2, Sample 9803215-05, Batch 980326A:
The pH of this sample is approximately <2 as determined by test strip.

Analytical Comments for Method EPA524.2, Sample 9803215-06, Batch 980326A:
The pH of this sample is approximately <2 as determined by test strip.

Analytical Comments for Method EPA524.2, Sample 9803215-07, Batch 980326A:
The pH of this sample is approximately <2 as determined by test strip.

McKENZIE LABORATORIES

Date Printed: 13-Apr-98

CLIENT: Basin and Range Hydrogeologists
Project Name: DOLPHIN
Project Number: 91129.102
Work Order: 9803215
Date Received: 25-Mar-98

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Test Code	Collection Date
9803215-01A	DITB-032598	EPA524.2	3/25/98 11:00:00 AM
9803215-02A	DIMW2-410-14	EPA524.2	3/25/98 11:41:00 AM
9803215-03A	DIMW2-345-14	EPA524.2	3/25/98 12:00:00 PM
9803215-04A	DIMW2-240-14	EPA524.2	3/25/98 12:21:00 PM
9803215-05A	DIMW2-165-14	EPA524.2	3/25/98 12:38:00 PM
9803215-06A	DIMW2-90-14	EPA524.2	3/25/98 12:58:00 PM
9803215-07A	D1MW2-EB-14	EPA524.2	3/25/98 1:20:00 PM

McKENZIE LABORATORIES

Date Printed: 13-Apr-98

CLIENT: Basin and Range Hydrogeologists
Work Order: 9803215
Lab ID: 9803215-01
Project Name: DOLPHIN
Project Number: 91129.102

Client Sample ID: DITB-032598
Collection Date: 3/25/98 11:00:00 AM
Matrix: TRIP BLANK

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Benzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 4:34:00 PM	JMK	980326A
Bromobenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 4:34:00 PM	JMK	980326A
Bromochloromethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 4:34:00 PM	JMK	980326A
Bromodichloromethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 4:34:00 PM	JMK	980326A
Bromoform	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 4:34:00 PM	JMK	980326A
Bromomethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 4:34:00 PM	JMK	980326A
n-Butylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 4:34:00 PM	JMK	980326A
sec-Butylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 4:34:00 PM	JMK	980326A
tert-Butylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 4:34:00 PM	JMK	980326A
Carbon tetrachloride	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 4:34:00 PM	JMK	980326A
Chlorobenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 4:34:00 PM	JMK	980326A
Chloroethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 4:34:00 PM	JMK	980326A
Chloroform	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 4:34:00 PM	JMK	980326A
Chloromethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 4:34:00 PM	JMK	980326A
2-Chlorotoluene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 4:34:00 PM	JMK	980326A
4-Chlorotoluene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 4:34:00 PM	JMK	980326A
Dibromochloromethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 4:34:00 PM	JMK	980326A
1,2-Dibromo-3-chloropropane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 4:34:00 PM	JMK	980326A
1,2-Dibromoethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 4:34:00 PM	JMK	980326A
Dibromomethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 4:34:00 PM	JMK	980326A
1,2-Dichlorobenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 4:34:00 PM	JMK	980326A
1,3-Dichlorobenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 4:34:00 PM	JMK	980326A
1,4-Dichlorobenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 4:34:00 PM	JMK	980326A
Dichlorodifluoromethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 4:34:00 PM	JMK	980326A
1,1-Dichloroethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 4:34:00 PM	JMK	980326A
1,2-Dichloroethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 4:34:00 PM	JMK	980326A
1,1-Dichloroethene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 4:34:00 PM	JMK	980326A
cis-1,2-Dichloroethene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 4:34:00 PM	JMK	980326A
trans-1,2-Dichloroethene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 4:34:00 PM	JMK	980326A
1,2-Dichloropropane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 4:34:00 PM	JMK	980326A
1,3-Dichloropropane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 4:34:00 PM	JMK	980326A
2,2-Dichloropropane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 4:34:00 PM	JMK	980326A
1,1-Dichloropropene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 4:34:00 PM	JMK	980326A
cis-1,3-Dichloropropene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 4:34:00 PM	JMK	980326A
trans-1,3-Dichloropropene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 4:34:00 PM	JMK	980326A
Ethylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 4:34:00 PM	JMK	980326A
Hexachlorobutadiene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 4:34:00 PM	JMK	980326A
Isopropylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 4:34:00 PM	JMK	980326A
4-Isopropyltoluene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 4:34:00 PM	JMK	980326A
Methyl tert-butyl ether	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 4:34:00 PM	JMK	980326A

Qualifiers:

S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
H - Analyzed past EPA recommended Holding Time
X - Value exceeds Maximum Contaminant Level
R - RPD outside accepted recovery limits
E - Value above quantitation range
D - Surrogate diluted out

Confidential and Privileged

McKENZIE LABORATORIES

Date Printed: 13-Apr-98

CLIENT: Basin and Range Hydrogeologists
Work Order: 9803215
Lab ID: 9803215-01
Project Name: DOLPHIN
Project Number: 91129.102

Client Sample ID: DITB-032598
Collection Date: 3/25/98 11:00:00 AM
Matrix: TRIP BLANK

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Methylene chloride	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 4:34:00 PM	JMK	980326A
Naphthalene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 4:34:00 PM	JMK	980326A
n-Propylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 4:34:00 PM	JMK	980326A
Styrene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 4:34:00 PM	JMK	980326A
1,1,1,2-Tetrachloroethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 4:34:00 PM	JMK	980326A
1,1,2,2-Tetrachloroethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 4:34:00 PM	JMK	980326A
Tetrachloroethene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 4:34:00 PM	JMK	980326A
Toluene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 4:34:00 PM	JMK	980326A
1,2,3-Trichlorobenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 4:34:00 PM	JMK	980326A
1,2,4-Trichlorobenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 4:34:00 PM	JMK	980326A
1,1,1-Trichloroethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 4:34:00 PM	JMK	980326A
1,1,2-Trichloroethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 4:34:00 PM	JMK	980326A
Trichloroethene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 4:34:00 PM	JMK	980326A
Trichlorofluoromethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 4:34:00 PM	JMK	980326A
1,2,3-Trichloropropane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 4:34:00 PM	JMK	980326A
1,2,4-Trimethylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 4:34:00 PM	JMK	980326A
1,3,5-Trimethylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 4:34:00 PM	JMK	980326A
Vinyl chloride	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 4:34:00 PM	JMK	980326A
m,p-Xylene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 4:34:00 PM	JMK	980326A
o-Xylene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 4:34:00 PM	JMK	980326A
Xylenes, total	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 4:34:00 PM	JMK	980326A
4-Bromofluorobenzene	85	70-130		%REC	1	EPA524.2	N/A	3/26/98 4:34:00 PM	JMK	980326A
1,2-Dichlorobenzene-d4	108	70-130		%REC	1	EPA524.2	N/A	3/26/98 4:34:00 PM	JMK	980326A

Qualifiers:

S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
H - Analyzed past EPA recommended Holding Time
X - Value exceeds Maximum Contaminant Level
R - RPD outside accepted recovery limits
E - Value above quantitation range
D - Surrogate diluted out

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McKENZIE LABORATORIES

Date Printed: 13-Apr-98

CLIENT: Basin and Range Hydrogeologists
Work Order: 9803215
Lab ID: 9803215-02
Project Name: DOLPHIN
Project Number: 91129.102

Client Sample ID: DIMW2-410-14
Collection Date: 3/25/98 11:41:00 AM
Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Benzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 11:29:00 AM	JMK	980326A
Bromobenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 11:29:00 AM	JMK	980326A
Bromochloromethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 11:29:00 AM	JMK	980326A
Bromodichloromethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 11:29:00 AM	JMK	980326A
Bromoform	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 11:29:00 AM	JMK	980326A
Bromomethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 11:29:00 AM	JMK	980326A
n-Butylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 11:29:00 AM	JMK	980326A
sec-Butylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 11:29:00 AM	JMK	980326A
tert-Butylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 11:29:00 AM	JMK	980326A
Carbon tetrachloride	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 11:29:00 AM	JMK	980326A
Chlorobenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 11:29:00 AM	JMK	980326A
Chloroethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 11:29:00 AM	JMK	980326A
Chloroform	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 11:29:00 AM	JMK	980326A
Chloromethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 11:29:00 AM	JMK	980326A
2-Chlorotoluene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 11:29:00 AM	JMK	980326A
4-Chlorotoluene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 11:29:00 AM	JMK	980326A
Dibromochloromethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 11:29:00 AM	JMK	980326A
1,2-Dibromo-3-chloropropane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 11:29:00 AM	JMK	980326A
1,2-Dibromoethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 11:29:00 AM	JMK	980326A
Dibromomethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 11:29:00 AM	JMK	980326A
1,2-Dichlorobenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 11:29:00 AM	JMK	980326A
1,3-Dichlorobenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 11:29:00 AM	JMK	980326A
1,4-Dichlorobenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 11:29:00 AM	JMK	980326A
Dichlorodifluoromethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 11:29:00 AM	JMK	980326A
1,1-Dichloroethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 11:29:00 AM	JMK	980326A
1,2-Dichloroethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 11:29:00 AM	JMK	980326A
1,1-Dichloroethene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 11:29:00 AM	JMK	980326A
cis-1,2-Dichloroethene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 11:29:00 AM	JMK	980326A
trans-1,2-Dichloroethene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 11:29:00 AM	JMK	980326A
1,2-Dichloropropane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 11:29:00 AM	JMK	980326A
1,3-Dichloropropane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 11:29:00 AM	JMK	980326A
2,2-Dichloropropane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 11:29:00 AM	JMK	980326A
1,1-Dichloropropene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 11:29:00 AM	JMK	980326A
cis-1,3-Dichloropropene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 11:29:00 AM	JMK	980326A
trans-1,3-Dichloropropene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 11:29:00 AM	JMK	980326A
Ethylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 11:29:00 AM	JMK	980326A
Hexachlorobutadiene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 11:29:00 AM	JMK	980326A
Isopropylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 11:29:00 AM	JMK	980326A
4-Isopropyltoluene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 11:29:00 AM	JMK	980326A
Methyl tert-butyl ether	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 11:29:00 AM	JMK	980326A

Qualifiers:

S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
H - Analyzed past EPA recommended Holding Time
X - Value exceeds Maximum Contaminant Level
R - RPD outside accepted recovery limits
E - Value above quantitation range
D - Surrogate diluted out

Confidential and Privileged

McKENZIE LABORATORIES

Date Printed: 13-Apr-98

CLIENT: Basin and Range Hydrogeologists
Work Order: 9803215
Lab ID: 9803215-02
Project Name: DOLPHIN
Project Number: 91129.102

Client Sample ID: DIMW2-410-14
Collection Date: 3/25/98 11:41:00 AM
Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Methylene chloride	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 11:29:00 AM	JMK	980326A
Naphthalene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 11:29:00 AM	JMK	980326A
n-Propylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 11:29:00 AM	JMK	980326A
Styrene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 11:29:00 AM	JMK	980326A
1,1,1,2-Tetrachloroethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 11:29:00 AM	JMK	980326A
1,1,2,2-Tetrachloroethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 11:29:00 AM	JMK	980326A
Tetrachloroethene	1.3	0.5		µg/L	1	EPA524.2	N/A	3/26/98 11:29:00 AM	JMK	980326A
Toluene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 11:29:00 AM	JMK	980326A
1,2,3-Trichlorobenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 11:29:00 AM	JMK	980326A
1,2,4-Trichlorobenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 11:29:00 AM	JMK	980326A
1,1,1-Trichloroethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 11:29:00 AM	JMK	980326A
1,1,2-Trichloroethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 11:29:00 AM	JMK	980326A
Trichloroethene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 11:29:00 AM	JMK	980326A
Trichlorofluoromethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 11:29:00 AM	JMK	980326A
1,2,3-Trichloropropane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 11:29:00 AM	JMK	980326A
1,2,4-Trimethylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 11:29:00 AM	JMK	980326A
1,3,5-Trimethylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 11:29:00 AM	JMK	980326A
Vinyl chloride	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 11:29:00 AM	JMK	980326A
m,p-Xylene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 11:29:00 AM	JMK	980326A
o-Xylene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 11:29:00 AM	JMK	980326A
Xylenes, total	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 11:29:00 AM	JMK	980326A
4-Bromofluorobenzene	110	70-130		%REC	1	EPA524.2	N/A	3/26/98 11:29:00 AM	JMK	980326A
1,2-Dichlorobenzene-d4	120	70-130		%REC	1	EPA524.2	N/A	3/26/98 11:29:00 AM	JMK	980326A

Qualifiers:

S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
H - Analyzed past EPA recommended Holding Time
X - Value exceeds Maximum Contaminant Level
R - RPD outside accepted recovery limits
E - Value above quantitation range
D - Surrogate diluted out

Confidential and Privileged

McKENZIE LABORATORIES

Date Printed: 13-Apr-98

CLIENT: Basin and Range Hydrogeologists
Work Order: 9803215
Lab ID: 9803215-03
Project Name: DOLPHIN
Project Number: 91129.102

Client Sample ID: DIMW2-345-14
Collection Date: 3/25/98 12:00:00 PM
Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Benzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 12:12:00 PM	JMK	980326A
Bromobenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 12:12:00 PM	JMK	980326A
Bromochloromethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 12:12:00 PM	JMK	980326A
Bromodichloromethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 12:12:00 PM	JMK	980326A
Bromoform	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 12:12:00 PM	JMK	980326A
Bromomethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 12:12:00 PM	JMK	980326A
n-Butylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 12:12:00 PM	JMK	980326A
sec-Butylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 12:12:00 PM	JMK	980326A
tert-Butylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 12:12:00 PM	JMK	980326A
Carbon tetrachloride	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 12:12:00 PM	JMK	980326A
Chlorobenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 12:12:00 PM	JMK	980326A
Chloroethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 12:12:00 PM	JMK	980326A
Chloroform	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 12:12:00 PM	JMK	980326A
Chloromethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 12:12:00 PM	JMK	980326A
2-Chlorotoluene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 12:12:00 PM	JMK	980326A
4-Chlorotoluene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 12:12:00 PM	JMK	980326A
Dibromochloromethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 12:12:00 PM	JMK	980326A
1,2-Dibromo-3-chloropropane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 12:12:00 PM	JMK	980326A
1,2-Dibromoethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 12:12:00 PM	JMK	980326A
Dibromomethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 12:12:00 PM	JMK	980326A
1,2-Dichlorobenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 12:12:00 PM	JMK	980326A
1,3-Dichlorobenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 12:12:00 PM	JMK	980326A
1,4-Dichlorobenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 12:12:00 PM	JMK	980326A
Dichlorodifluoromethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 12:12:00 PM	JMK	980326A
1,1-Dichloroethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 12:12:00 PM	JMK	980326A
1,2-Dichloroethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 12:12:00 PM	JMK	980326A
1,1-Dichloroethene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 12:12:00 PM	JMK	980326A
cis-1,2-Dichloroethene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 12:12:00 PM	JMK	980326A
trans-1,2-Dichloroethene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 12:12:00 PM	JMK	980326A
1,2-Dichloropropane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 12:12:00 PM	JMK	980326A
1,3-Dichloropropane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 12:12:00 PM	JMK	980326A
2,2-Dichloropropane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 12:12:00 PM	JMK	980326A
1,1-Dichloropropene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 12:12:00 PM	JMK	980326A
cis-1,3-Dichloropropene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 12:12:00 PM	JMK	980326A
trans-1,3-Dichloropropene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 12:12:00 PM	JMK	980326A
Ethylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 12:12:00 PM	JMK	980326A
Hexachlorobutadiene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 12:12:00 PM	JMK	980326A
Isopropylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 12:12:00 PM	JMK	980326A
4-Isopropyltoluene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 12:12:00 PM	JMK	980326A
Methyl tert-butyl ether	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 12:12:00 PM	JMK	980326A

Qualifiers:

S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
H - Analyzed past EPA recommended Holding Time
X - Value exceeds Maximum Contaminant Level
R - RPD outside accepted recovery limits
E - Value above quantitation range
D - Surrogate diluted out

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McKENZIE LABORATORIES

Date Printed: 13-Apr-98

CLIENT: Basin and Range Hydrogeologists
Work Order: 9803215
Lab ID: 9803215-03
Project Name: DOLPHIN
Project Number: 91129.102

Client Sample ID: DIMW2-345-14
Collection Date: 3/25/98 12:00:00 PM
Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Methylene chloride	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 12:12:00 PM	JMK	980326A
Naphthalene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 12:12:00 PM	JMK	980326A
n-Propylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 12:12:00 PM	JMK	980326A
Styrene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 12:12:00 PM	JMK	980326A
1,1,1,2-Tetrachloroethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 12:12:00 PM	JMK	980326A
1,1,2,2-Tetrachloroethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 12:12:00 PM	JMK	980326A
Tetrachloroethene	1.3	0.5		µg/L	1	EPA524.2	N/A	3/26/98 12:12:00 PM	JMK	980326A
Toluene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 12:12:00 PM	JMK	980326A
1,2,3-Trichlorobenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 12:12:00 PM	JMK	980326A
1,2,4-Trichlorobenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 12:12:00 PM	JMK	980326A
1,1,1-Trichloroethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 12:12:00 PM	JMK	980326A
1,1,2-Trichloroethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 12:12:00 PM	JMK	980326A
Trichloroethene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 12:12:00 PM	JMK	980326A
Trichlorofluoromethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 12:12:00 PM	JMK	980326A
1,2,3-Trichloropropane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 12:12:00 PM	JMK	980326A
1,2,4-Trimethylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 12:12:00 PM	JMK	980326A
1,3,5-Trimethylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 12:12:00 PM	JMK	980326A
Vinyl chloride	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 12:12:00 PM	JMK	980326A
m,p-Xylene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 12:12:00 PM	JMK	980326A
o-Xylene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 12:12:00 PM	JMK	980326A
Xylenes, total	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 12:12:00 PM	JMK	980326A
4-Bromofluorobenzene	106	70-130		%REC	1	EPA524.2	N/A	3/26/98 12:12:00 PM	JMK	980326A
1,2-Dichlorobenzene-d4	121	70-130		%REC	1	EPA524.2	N/A	3/26/98 12:12:00 PM	JMK	980326A

Qualifiers:

S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
H - Analyzed past EPA recommended Holding Time
X - Value exceeds Maximum Contaminant Level
R - RPD outside accepted recovery limits
E - Value above quantitation range
D - Surrogate diluted out

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McKENZIE LABORATORIES

Date Printed: 13-Apr-98

CLIENT: Basin and Range Hydrogeologists
Work Order: 9803215
Lab ID: 9803215-04
Project Name: DOLPHIN
Project Number: 91129.102

Client Sample ID: DIMW2-240-14
Collection Date: 3/25/98 12:21:00 PM
Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Benzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 12:55:00 PM	JMK	980326A
Bromobenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 12:55:00 PM	JMK	980326A
Bromochloromethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 12:55:00 PM	JMK	980326A
Bromodichloromethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 12:55:00 PM	JMK	980326A
Bromoform	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 12:55:00 PM	JMK	980326A
Bromomethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 12:55:00 PM	JMK	980326A
n-Butylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 12:55:00 PM	JMK	980326A
sec-Butylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 12:55:00 PM	JMK	980326A
tert-Butylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 12:55:00 PM	JMK	980326A
Carbon tetrachloride	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 12:55:00 PM	JMK	980326A
Chlorobenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 12:55:00 PM	JMK	980326A
Chloroethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 12:55:00 PM	JMK	980326A
Chloroform	4.0	0.5		µg/L	1	EPA524.2	N/A	3/26/98 12:55:00 PM	JMK	980326A
Chloromethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 12:55:00 PM	JMK	980326A
2-Chlorotoluene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 12:55:00 PM	JMK	980326A
4-Chlorotoluene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 12:55:00 PM	JMK	980326A
Dibromochloromethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 12:55:00 PM	JMK	980326A
1,2-Dibromo-3-chloropropane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 12:55:00 PM	JMK	980326A
1,2-Dibromoethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 12:55:00 PM	JMK	980326A
Dibromomethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 12:55:00 PM	JMK	980326A
1,2-Dichlorobenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 12:55:00 PM	JMK	980326A
1,3-Dichlorobenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 12:55:00 PM	JMK	980326A
1,4-Dichlorobenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 12:55:00 PM	JMK	980326A
Dichlorodifluoromethane	0.6	0.5		µg/L	1	EPA524.2	N/A	3/26/98 12:55:00 PM	JMK	980326A
1,1-Dichloroethane	1.4	0.5		µg/L	1	EPA524.2	N/A	3/26/98 12:55:00 PM	JMK	980326A
1,2-Dichloroethane	0.7	0.5		µg/L	1	EPA524.2	N/A	3/26/98 12:55:00 PM	JMK	980326A
1,1-Dichloroethene	31	0.5		µg/L	1	EPA524.2	N/A	3/26/98 12:55:00 PM	JMK	980326A
cis-1,2-Dichloroethene	1.3	0.5		µg/L	1	EPA524.2	N/A	3/26/98 12:55:00 PM	JMK	980326A
trans-1,2-Dichloroethene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 12:55:00 PM	JMK	980326A
1,2-Dichloropropane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 12:55:00 PM	JMK	980326A
1,3-Dichloropropane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 12:55:00 PM	JMK	980326A
2,2-Dichloropropane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 12:55:00 PM	JMK	980326A
1,1-Dichloropropene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 12:55:00 PM	JMK	980326A
cis-1,3-Dichloropropene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 12:55:00 PM	JMK	980326A
trans-1,3-Dichloropropene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 12:55:00 PM	JMK	980326A
Ethylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 12:55:00 PM	JMK	980326A
Hexachlorobutadiene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 12:55:00 PM	JMK	980326A
Isopropylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 12:55:00 PM	JMK	980326A
4-Isopropyltoluene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 12:55:00 PM	JMK	980326A
Methyl tert-butyl ether	0.7	0.5		µg/L	1	EPA524.2	N/A	3/26/98 12:55:00 PM	JMK	980326A

Qualifiers:

S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
H - Analyzed past EPA recommended Holding Time
X - Value exceeds Maximum Contaminant Level
R - RPD outside accepted recovery limits
E - Value above quantitation range
D - Surrogate diluted out

Confidential and Privileged

McKENZIE LABORATORIES

Date Printed: 13-Apr-98

CLIENT: Basin and Range Hydrogeologists
Work Order: 9803215
Lab ID: 9803215-04
Project Name: DOLPHIN
Project Number: 91129.102

Client Sample ID: DIMW2-240-14
Collection Date: 3/25/98 12:21:00 PM
Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Methylene chloride	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 12:55:00 PM	JMK	980326A
Naphthalene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 12:55:00 PM	JMK	980326A
n-Propylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 12:55:00 PM	JMK	980326A
Styrene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 12:55:00 PM	JMK	980326A
1,1,1,2-Tetrachloroethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 12:55:00 PM	JMK	980326A
1,1,2,2-Tetrachloroethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 12:55:00 PM	JMK	980326A
Tetrachloroethene	100	2.5		µg/L	5	EPA524.2	N/A	3/27/98 12:11:00 PM	JMK	980327A
Toluene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 12:55:00 PM	JMK	980326A
1,2,3-Trichlorobenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 12:55:00 PM	JMK	980326A
1,2,4-Trichlorobenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 12:55:00 PM	JMK	980326A
1,1,1-Trichloroethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 12:55:00 PM	JMK	980326A
1,1,2-Trichloroethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 12:55:00 PM	JMK	980326A
Trichloroethene	51	2.5		µg/L	5	EPA524.2	N/A	3/27/98 12:11:00 PM	JMK	980327A
Trichlorofluoromethane	4.6	0.5		µg/L	1	EPA524.2	N/A	3/26/98 12:55:00 PM	JMK	980326A
1,2,3-Trichloropropane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 12:55:00 PM	JMK	980326A
1,2,4-Trimethylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 12:55:00 PM	JMK	980326A
1,3,5-Trimethylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 12:55:00 PM	JMK	980326A
Vinyl chloride	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 12:55:00 PM	JMK	980326A
m,p-Xylene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 12:55:00 PM	JMK	980326A
o-Xylene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 12:55:00 PM	JMK	980326A
Xylenes, total	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 12:55:00 PM	JMK	980326A
4-Bromofluorobenzene	119	70-130		%REC	1	EPA524.2	N/A	3/26/98 12:55:00 PM	JMK	980326A
1,2-Dichlorobenzene-d4	123	70-130		%REC	1	EPA524.2	N/A	3/26/98 12:55:00 PM	JMK	980326A

Qualifiers:

S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
H - Analyzed past EPA recommended Holding Time
X - Value exceeds Maximum Contaminant Level
R - RPD outside accepted recovery limits
E - Value above quantitation range
D - Surrogate diluted out

Confidential and Privileged

McKENZIE LABORATORIES

TENTATIVELY IDENTIFIED COMPOUNDS
EPA METHOD 524.2

CLIENT:	**Basin and Range Hydrogeologists**	**Client Sample ID:**	DIMW2-240-14
Work Order:	9803215	**Collection Date:**	3/25/98 12:21:00 PM
LAB ID:	9803215-04	**Matrix:**	WATER
Project Name:	DOLPHIN	**Date Prepared:**	N/A
Project Number:	91129.102	**Date Analyzed:**	3/26/98
		Dilution Factor:	1

No.	CAS #	Retention Time (minutes)	Compound Name	Amount (ug/L)
1.	000076-13-1	9.05	Trichlorotrifluoroethane	7.0
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				

Values reported for Tentatively Identified Compounds are estimated.

McKENZIE LABORATORIES

Date Printed: 13-Apr-98

CLIENT: Basin and Range Hydrogeologists
Work Order: 9803215
Lab ID: 9803215-05
Project Name: DOLPHIN
Project Number: 91129.102

Client Sample ID: DIMW2-165-14
Collection Date: 3/25/98 12:38:00 PM
Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Benzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 1:38:00 PM	JMK	980326A
Bromobenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 1:38:00 PM	JMK	980326A
Bromochloromethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 1:38:00 PM	JMK	980326A
Bromodichloromethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 1:38:00 PM	JMK	980326A
Bromoform	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 1:38:00 PM	JMK	980326A
Bromomethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 1:38:00 PM	JMK	980326A
n-Butylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 1:38:00 PM	JMK	980326A
sec-Butylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 1:38:00 PM	JMK	980326A
tert-Butylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 1:38:00 PM	JMK	980326A
Carbon tetrachloride	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 1:38:00 PM	JMK	980326A
Chlorobenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 1:38:00 PM	JMK	980326A
Chloroethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 1:38:00 PM	JMK	980326A
Chloroform	5.2	0.5		µg/L	1	EPA524.2	N/A	3/26/98 1:38:00 PM	JMK	980326A
Chloromethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 1:38:00 PM	JMK	980326A
2-Chlorotoluene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 1:38:00 PM	JMK	980326A
4-Chlorotoluene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 1:38:00 PM	JMK	980326A
Dibromochloromethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 1:38:00 PM	JMK	980326A
1,2-Dibromo-3-chloropropane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 1:38:00 PM	JMK	980326A
1,2-Dibromoethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 1:38:00 PM	JMK	980326A
Dibromomethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 1:38:00 PM	JMK	980326A
1,2-Dichlorobenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 1:38:00 PM	JMK	980326A
1,3-Dichlorobenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 1:38:00 PM	JMK	980326A
1,4-Dichlorobenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 1:38:00 PM	JMK	980326A
Dichlorodifluoromethane	0.8	0.5		µg/L	1	EPA524.2	N/A	3/26/98 1:38:00 PM	JMK	980326A
1,1-Dichloroethane	1.2	0.5		µg/L	1	EPA524.2	N/A	3/26/98 1:38:00 PM	JMK	980326A
1,2-Dichloroethane	0.8	0.5		µg/L	1	EPA524.2	N/A	3/26/98 1:38:00 PM	JMK	980326A
1,1-Dichloroethene	30	0.5		µg/L	1	EPA524.2	N/A	3/26/98 1:38:00 PM	JMK	980326A
cis-1,2-Dichloroethene	4.9	0.5		µg/L	1	EPA524.2	N/A	3/26/98 1:38:00 PM	JMK	980326A
trans-1,2-Dichloroethene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 1:38:00 PM	JMK	980326A
1,2-Dichloropropane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 1:38:00 PM	JMK	980326A
1,3-Dichloropropane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 1:38:00 PM	JMK	980326A
2,2-Dichloropropane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 1:38:00 PM	JMK	980326A
1,1-Dichloropropene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 1:38:00 PM	JMK	980326A
cis-1,3-Dichloropropene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 1:38:00 PM	JMK	980326A
trans-1,3-Dichloropropene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 1:38:00 PM	JMK	980326A
Ethylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 1:38:00 PM	JMK	980326A
Hexachlorobutadiene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 1:38:00 PM	JMK	980326A
Isopropylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 1:38:00 PM	JMK	980326A
4-Isopropyltoluene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 1:38:00 PM	JMK	980326A
Methyl tert-butyl ether	0.9	0.5		µg/L	1	EPA524.2	N/A	3/26/98 1:38:00 PM	JMK	980326A

Qualifiers:

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B - Analyte detected in the associated Method Blank
H - Analyzed past EPA recommended Holding Time
X - Value exceeds Maximum Contaminant Level
R - RPD outside accepted recovery limits
E - Value above quantitation range
D - Surrogate diluted out

Confidential and Privileged

McKENZIE LABORATORIES

Date Printed: 13-Apr-98

CLIENT: Basin and Range Hydrogeologists
Work Order: 9803215
Lab ID: 9803215-05
Project Name: DOLPHIN
Project Number: 91129.102

Client Sample ID: DIMW2-165-14
Collection Date: 3/25/98 12:38:00 PM
Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Methylene chloride	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 1:38:00 PM	JMK	980326A
Naphthalene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 1:38:00 PM	JMK	980326A
n-Propylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 1:38:00 PM	JMK	980326A
Styrene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 1:38:00 PM	JMK	980326A
1,1,1,2-Tetrachloroethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 1:38:00 PM	JMK	980326A
1,1,2,2-Tetrachloroethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 1:38:00 PM	JMK	980326A
Tetrachloroethene	130	2.5		µg/L	5	EPA524.2	N/A	3/27/98 12:55:00 PM	JMK	980327A
Toluene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 1:38:00 PM	JMK	980326A
1,2,3-Trichlorobenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 1:38:00 PM	JMK	980326A
1,2,4-Trichlorobenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 1:38:00 PM	JMK	980326A
1,1,1-Trichloroethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 1:38:00 PM	JMK	980326A
1,1,2-Trichloroethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 1:38:00 PM	JMK	980326A
Trichloroethene	50	0.5		µg/L	1	EPA524.2	N/A	3/26/98 1:38:00 PM	JMK	980326A
Trichlorofluoromethane	4.3	0.5		µg/L	1	EPA524.2	N/A	3/26/98 1:38:00 PM	JMK	980326A
1,2,3-Trichloropropane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 1:38:00 PM	JMK	980326A
1,2,4-Trimethylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 1:38:00 PM	JMK	980326A
1,3,5-Trimethylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 1:38:00 PM	JMK	980326A
Vinyl chloride	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 1:38:00 PM	JMK	980326A
m,p-Xylene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 1:38:00 PM	JMK	980326A
o-Xylene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 1:38:00 PM	JMK	980326A
Xylenes, total	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 1:38:00 PM	JMK	980326A
4-Bromofluorobenzene	110	70-130		%REC	1	EPA524.2	N/A	3/26/98 1:38:00 PM	JMK	980326A
1,2-Dichlorobenzene-d4	120	70-130		%REC	1	EPA524.2	N/A	3/26/98 1:38:00 PM	JMK	980326A

Qualifiers:

S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
H - Analyzed past EPA recommended Holding Time
X - Value exceeds Maximum Contaminant Level
R - RPD outside accepted recovery limits
E - Value above quantitation range
D - Surrogate diluted out

Confidential and Privileged

McKENZIE LABORATORIES

TENTATIVELY IDENTIFIED COMPOUNDS
EPA METHOD 524.2

CLIENT:	**Basin and Range Hydrogeologists**	**Client Sample ID:**	DIMW2-165-14
Work Order:	9803215	**Collection Date:**	3/25/98 12:38:00 PM
LAB ID:	9803215-05	**Matrix:**	WATER
Project Name:	DOLPHIN	**Date Prepared:**	N/A
Project Number:	91129.102	**Date Analyzed:**	3/26/98
		Dilution Factor:	1

No.	CAS #	Retention Time (minutes)	Compound Name	Amount (ug/L)
1.	000076-13-1	9.05	Trichlorotrifluoroethane	11
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				

Values reported for Tentatively Identified Compounds are estimated.

McKENZIE LABORATORIES

Date Printed: 13-Apr-98

CLIENT: Basin and Range Hydrogeologists
Work Order: 9803215
Lab ID: 9803215-06
Project Name: DOLPHIN
Project Number: 91129.102

Client Sample ID: DIMW2-90-14
Collection Date: 3/25/98 12:58:00 PM
Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Benzene	<2.5	2.5		µg/L	5	EPA524.2	N/A	3/26/98 3:04:00 PM	JMK	980326A
Bromobenzene	<2.5	2.5		µg/L	5	EPA524.2	N/A	3/26/98 3:04:00 PM	JMK	980326A
Bromochloromethane	<2.5	2.5		µg/L	5	EPA524.2	N/A	3/26/98 3:04:00 PM	JMK	980326A
Bromodichloromethane	<2.5	2.5		µg/L	5	EPA524.2	N/A	3/26/98 3:04:00 PM	JMK	980326A
Bromoform	<2.5	2.5		µg/L	5	EPA524.2	N/A	3/26/98 3:04:00 PM	JMK	980326A
Bromomethane	<2.5	2.5		µg/L	5	EPA524.2	N/A	3/26/98 3:04:00 PM	JMK	980326A
n-Butylbenzene	<2.5	2.5		µg/L	5	EPA524.2	N/A	3/26/98 3:04:00 PM	JMK	980326A
sec-Butylbenzene	<2.5	2.5		µg/L	5	EPA524.2	N/A	3/26/98 3:04:00 PM	JMK	980326A
tert-Butylbenzene	<2.5	2.5		µg/L	5	EPA524.2	N/A	3/26/98 3:04:00 PM	JMK	980326A
Carbon tetrachloride	<2.5	2.5		µg/L	5	EPA524.2	N/A	3/26/98 3:04:00 PM	JMK	980326A
Chlorobenzene	<2.5	2.5		µg/L	5	EPA524.2	N/A	3/26/98 3:04:00 PM	JMK	980326A
Chloroethane	<2.5	2.5		µg/L	5	EPA524.2	N/A	3/26/98 3:04:00 PM	JMK	980326A
Chloroform	5.8	2.5		µg/L	5	EPA524.2	N/A	3/26/98 3:04:00 PM	JMK	980326A
Chloromethane	<2.5	2.5		µg/L	5	EPA524.2	N/A	3/26/98 3:04:00 PM	JMK	980326A
2-Chlorotoluene	<2.5	2.5		µg/L	5	EPA524.2	N/A	3/26/98 3:04:00 PM	JMK	980326A
4-Chlorotoluene	<2.5	2.5		µg/L	5	EPA524.2	N/A	3/26/98 3:04:00 PM	JMK	980326A
Dibromochloromethane	<2.5	2.5		µg/L	5	EPA524.2	N/A	3/26/98 3:04:00 PM	JMK	980326A
1,2-Dibromo-3-chloropropane	<2.5	2.5		µg/L	5	EPA524.2	N/A	3/26/98 3:04:00 PM	JMK	980326A
1,2-Dibromoethane	<2.5	2.5		µg/L	5	EPA524.2	N/A	3/26/98 3:04:00 PM	JMK	980326A
Dibromomethane	<2.5	2.5		µg/L	5	EPA524.2	N/A	3/26/98 3:04:00 PM	JMK	980326A
1,2-Dichlorobenzene	<2.5	2.5		µg/L	5	EPA524.2	N/A	3/26/98 3:04:00 PM	JMK	980326A
1,3-Dichlorobenzene	<2.5	2.5		µg/L	5	EPA524.2	N/A	3/26/98 3:04:00 PM	JMK	980326A
1,4-Dichlorobenzene	<2.5	2.5		µg/L	5	EPA524.2	N/A	3/26/98 3:04:00 PM	JMK	980326A
Dichlorodifluoromethane	<2.5	2.5		µg/L	5	EPA524.2	N/A	3/26/98 3:04:00 PM	JMK	980326A
1,1-Dichloroethane	<2.5	2.5		µg/L	5	EPA524.2	N/A	3/26/98 3:04:00 PM	JMK	980326A
1,2-Dichloroethane	<2.5	2.5		µg/L	5	EPA524.2	N/A	3/26/98 3:04:00 PM	JMK	980326A
1,1-Dichloroethene	8.6	2.5		µg/L	5	EPA524.2	N/A	3/26/98 3:04:00 PM	JMK	980326A
cis-1,2-Dichloroethene	14	2.5		µg/L	5	EPA524.2	N/A	3/26/98 3:04:00 PM	JMK	980326A
trans-1,2-Dichloroethene	<2.5	2.5		µg/L	5	EPA524.2	N/A	3/26/98 3:04:00 PM	JMK	980326A
1,2-Dichloropropane	<2.5	2.5		µg/L	5	EPA524.2	N/A	3/26/98 3:04:00 PM	JMK	980326A
1,3-Dichloropropane	<2.5	2.5		µg/L	5	EPA524.2	N/A	3/26/98 3:04:00 PM	JMK	980326A
2,2-Dichloropropane	<2.5	2.5		µg/L	5	EPA524.2	N/A	3/26/98 3:04:00 PM	JMK	980326A
1,1-Dichloropropene	<2.5	2.5		µg/L	5	EPA524.2	N/A	3/26/98 3:04:00 PM	JMK	980326A
cis-1,3-Dichloropropene	<2.5	2.5		µg/L	5	EPA524.2	N/A	3/26/98 3:04:00 PM	JMK	980326A
trans-1,3-Dichloropropene	<2.5	2.5		µg/L	5	EPA524.2	N/A	3/26/98 3:04:00 PM	JMK	980326A
Ethylbenzene	<2.5	2.5		µg/L	5	EPA524.2	N/A	3/26/98 3:04:00 PM	JMK	980326A
Hexachlorobutadiene	<2.5	2.5		µg/L	5	EPA524.2	N/A	3/26/98 3:04:00 PM	JMK	980326A
Isopropylbenzene	<2.5	2.5		µg/L	5	EPA524.2	N/A	3/26/98 3:04:00 PM	JMK	980326A
4-Isopropyltoluene	<2.5	2.5		µg/L	5	EPA524.2	N/A	3/26/98 3:04:00 PM	JMK	980326A
Methyl tert-butyl ether	<2.5	2.5		µg/L	5	EPA524.2	N/A	3/26/98 3:04:00 PM	JMK	980326A

Qualifiers:

S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
H - Analyzed past EPA recommended Holding Time
X - Value exceeds Maximum Contaminant Level
R - RPD outside accepted recovery limits
E - Value above quantitation range
D - Surrogate diluted out

Confidential and Privileged

McKENZIE LABORATORIES

Date Printed: 13-Apr-98

CLIENT: Basin and Range Hydrogeologists
Work Order: 9803215
Lab ID: 9803215-06
Project Name: DOLPHIN
Project Number: 91129.102

Client Sample ID: DIMW2-90-14
Collection Date: 3/25/98 12:58:00 PM
Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Methylene chloride	<2.5	2.5		µg/L	5	EPA524.2	N/A	3/26/98 3:04:00 PM	JMK	980326A
Naphthalene	<2.5	2.5		µg/L	5	EPA524.2	N/A	3/26/98 3:04:00 PM	JMK	980326A
n-Propylbenzene	<2.5	2.5		µg/L	5	EPA524.2	N/A	3/26/98 3:04:00 PM	JMK	980326A
Styrene	<2.5	2.5		µg/L	5	EPA524.2	N/A	3/26/98 3:04:00 PM	JMK	980326A
1,1,1,2-Tetrachloroethane	<2.5	2.5		µg/L	5	EPA524.2	N/A	3/26/98 3:04:00 PM	JMK	980326A
1,1,2,2-Tetrachloroethane	<2.5	2.5		µg/L	5	EPA524.2	N/A	3/26/98 3:04:00 PM	JMK	980326A
Tetrachloroethene	360	10		µg/L	20	EPA524.2	N/A	3/27/98 1:38:00 PM	JMK	980327A
Toluene	<2.5	2.5		µg/L	5	EPA524.2	N/A	3/26/98 3:04:00 PM	JMK	980326A
1,2,3-Trichlorobenzene	<2.5	2.5		µg/L	5	EPA524.2	N/A	3/26/98 3:04:00 PM	JMK	980326A
1,2,4-Trichlorobenzene	<2.5	2.5		µg/L	5	EPA524.2	N/A	3/26/98 3:04:00 PM	JMK	980326A
1,1,1-Trichloroethane	<2.5	2.5		µg/L	5	EPA524.2	N/A	3/26/98 3:04:00 PM	JMK	980326A
1,1,2-Trichloroethane	<2.5	2.5		µg/L	5	EPA524.2	N/A	3/26/98 3:04:00 PM	JMK	980326A
Trichloroethene	21	2.5		µg/L	5	EPA524.2	N/A	3/26/98 3:04:00 PM	JMK	980326A
Trichlorofluoromethane	<2.5	2.5		µg/L	5	EPA524.2	N/A	3/26/98 3:04:00 PM	JMK	980326A
1,2,3-Trichloropropane	<2.5	2.5		µg/L	5	EPA524.2	N/A	3/26/98 3:04:00 PM	JMK	980326A
1,2,4-Trimethylbenzene	<2.5	2.5		µg/L	5	EPA524.2	N/A	3/26/98 3:04:00 PM	JMK	980326A
1,3,5-Trimethylbenzene	<2.5	2.5		µg/L	5	EPA524.2	N/A	3/26/98 3:04:00 PM	JMK	980326A
Vinyl chloride	<2.5	2.5		µg/L	5	EPA524.2	N/A	3/26/98 3:04:00 PM	JMK	980326A
m,p-Xylene	<2.5	2.5		µg/L	5	EPA524.2	N/A	3/26/98 3:04:00 PM	JMK	980326A
o-Xylene	<2.5	2.5		µg/L	5	EPA524.2	N/A	3/26/98 3:04:00 PM	JMK	980326A
Xylenes, total	<2.5	2.5		µg/L	5	EPA524.2	N/A	3/26/98 3:04:00 PM	JMK	980326A
4-Bromofluorobenzene	110	70-130		%REC	5	EPA524.2	N/A	3/26/98 3:04:00 PM	JMK	980326A
1,2-Dichlorobenzene-d4	121	70-130		%REC	5	EPA524.2	N/A	3/26/98 3:04:00 PM	JMK	980326A

Qualifiers:

S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
H - Analyzed past EPA recommended Holding Time
X - Value exceeds Maximum Contaminant Level
R - RPD outside accepted recovery limits
E - Value above quantitation range
D - Surrogate diluted out

Confidential and Privileged

McKENZIE LABORATORIES

Date Printed: 13-Apr-98

CLIENT: Basin and Range Hydrogeologists
Work Order: 9803215
Lab ID: 9803215-07
Project Name: DOLPHIN
Project Number: 91129.102

Client Sample ID: D1MW2-EB-14
Collection Date: 3/25/98 1:20:00 PM
Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Benzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 2:26:00 PM	JMK	980326A
Bromobenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 2:26:00 PM	JMK	980326A
Bromochloromethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 2:26:00 PM	JMK	980326A
Bromodichloromethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 2:26:00 PM	JMK	980326A
Bromoform	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 2:26:00 PM	JMK	980326A
Bromomethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 2:26:00 PM	JMK	980326A
n-Butylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 2:26:00 PM	JMK	980326A
sec-Butylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 2:26:00 PM	JMK	980326A
tert-Butylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 2:26:00 PM	JMK	980326A
Carbon tetrachloride	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 2:26:00 PM	JMK	980326A
Chlorobenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 2:26:00 PM	JMK	980326A
Chloroethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 2:26:00 PM	JMK	980326A
Chloroform	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 2:26:00 PM	JMK	980326A
Chloromethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 2:26:00 PM	JMK	980326A
2-Chlorotoluene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 2:26:00 PM	JMK	980326A
4-Chlorotoluene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 2:26:00 PM	JMK	980326A
Dibromochloromethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 2:26:00 PM	JMK	980326A
1,2-Dibromo-3-chloropropane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 2:26:00 PM	JMK	980326A
1,2-Dibromoethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 2:26:00 PM	JMK	980326A
Dibromomethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 2:26:00 PM	JMK	980326A
1,2-Dichlorobenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 2:26:00 PM	JMK	980326A
1,3-Dichlorobenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 2:26:00 PM	JMK	980326A
1,4-Dichlorobenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 2:26:00 PM	JMK	980326A
Dichlorodifluoromethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 2:26:00 PM	JMK	980326A
1,1-Dichloroethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 2:26:00 PM	JMK	980326A
1,2-Dichloroethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 2:26:00 PM	JMK	980326A
1,1-Dichloroethene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 2:26:00 PM	JMK	980326A
cis-1,2-Dichloroethene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 2:26:00 PM	JMK	980326A
trans-1,2-Dichloroethene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 2:26:00 PM	JMK	980326A
1,2-Dichloropropane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 2:26:00 PM	JMK	980326A
1,3-Dichloropropane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 2:26:00 PM	JMK	980326A
2,2-Dichloropropane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 2:26:00 PM	JMK	980326A
1,1-Dichloropropene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 2:26:00 PM	JMK	980326A
cis-1,3-Dichloropropene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 2:26:00 PM	JMK	980326A
trans-1,3-Dichloropropene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 2:26:00 PM	JMK	980326A
Ethylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 2:26:00 PM	JMK	980326A
Hexachlorobutadiene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 2:26:00 PM	JMK	980326A
Isopropylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 2:26:00 PM	JMK	980326A
4-Isopropyltoluene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 2:26:00 PM	JMK	980326A
Methyl tert-butyl ether	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 2:26:00 PM	JMK	980326A

Qualifiers:

S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
H - Analyzed past EPA recommended Holding Time
X - Value exceeds Maximum Contaminant Level
R - RPD outside accepted recovery limits
E - Value above quantitation range
D - Surrogate diluted out

Confidential and Privileged

McKENZIE LABORATORIES

Date Printed: 13-Apr-98

CLIENT: Basin and Range Hydrogeologists
Work Order: 9803215
Lab ID: 9803215-07
Project Name: DOLPHIN
Project Number: 91129.102

Client Sample ID: D1MW2-EB-14
Collection Date: 3/25/98 1:20:00 PM
Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Methylene chloride	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 2:26:00 PM	JMK	980326A
Naphthalene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 2:26:00 PM	JMK	980326A
n-Propylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 2:26:00 PM	JMK	980326A
Styrene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 2:26:00 PM	JMK	980326A
1,1,1,2-Tetrachloroethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 2:26:00 PM	JMK	980326A
1,1,2,2-Tetrachloroethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 2:26:00 PM	JMK	980326A
Tetrachloroethene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 2:26:00 PM	JMK	980326A
Toluene	0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 2:26:00 PM	JMK	980326A
1,2,3-Trichlorobenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 2:26:00 PM	JMK	980326A
1,2,4-Trichlorobenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 2:26:00 PM	JMK	980326A
1,1,1-Trichloroethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 2:26:00 PM	JMK	980326A
1,1,2-Trichloroethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 2:26:00 PM	JMK	980326A
Trichloroethene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 2:26:00 PM	JMK	980326A
Trichlorofluoromethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 2:26:00 PM	JMK	980326A
1,2,3-Trichloropropane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 2:26:00 PM	JMK	980326A
1,2,4-Trimethylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 2:26:00 PM	JMK	980326A
1,3,5-Trimethylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 2:26:00 PM	JMK	980326A
Vinyl chloride	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 2:26:00 PM	JMK	980326A
m,p-Xylene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 2:26:00 PM	JMK	980326A
o-Xylene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 2:26:00 PM	JMK	980326A
Xylenes, total	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 2:26:00 PM	JMK	980326A
4-Bromofluorobenzene	107	70-130		%REC	1	EPA524.2	N/A	3/26/98 2:26:00 PM	JMK	980326A
1,2-Dichlorobenzene-d4	125	70-130		%REC	1	EPA524.2	N/A	3/26/98 2:26:00 PM	JMK	980326A

Qualifiers:

S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
H - Analyzed past EPA recommended Holding Time
X - Value exceeds Maximum Contaminant Level
R - RPD outside accepted recovery limits
E - Value above quantitation range
D - Surrogate diluted out

Confidential and Privileged

McKENZIE LABORATORIES

Date: 13-Apr-98

CLIENT: Basin and Range Hydrogeologists
Work Order: 9803215
Project: DOLPHIN/91129.102

QC SUMMARY REPORT

Method Blank

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Benzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 9:58 a	JMK	980326A
Bromobenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 9:58 a	JMK	980326A
Bromochloromethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 9:58 a	JMK	980326A
Bromodichloromethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 9:58 a	JMK	980326A
Bromoform	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 9:58 a	JMK	980326A
Bromomethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 9:58 a	JMK	980326A
n-Butylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 9:58 a	JMK	980326A
sec-Butylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 9:58 a	JMK	980326A
tert-Butylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 9:58 a	JMK	980326A
Carbon tetrachloride	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 9:58 a	JMK	980326A
Chlorobenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 9:58 a	JMK	980326A
Chloroethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 9:58 a	JMK	980326A
Chloroform	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 9:58 a	JMK	980326A
Chloromethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 9:58 a	JMK	980326A
2-Chlorotoluene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 9:58 a	JMK	980326A
4-Chlorotoluene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 9:58 a	JMK	980326A
Dibromochloromethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 9:58 a	JMK	980326A
1,2-Dibromo-3-chloropropane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 9:58 a	JMK	980326A
1,2-Dibromoethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 9:58 a	JMK	980326A
Dibromomethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 9:58 a	JMK	980326A
1,2-Dichlorobenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 9:58 a	JMK	980326A
1,3-Dichlorobenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 9:58 a	JMK	980326A
1,4-Dichlorobenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 9:58 a	JMK	980326A
Dichlorodifluoromethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 9:58 a	JMK	980326A
1,1-Dichloroethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 9:58 a	JMK	980326A
1,2-Dichloroethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 9:58 a	JMK	980326A
1,1-Dichloroethene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 9:58 a	JMK	980326A
cis-1,2-Dichloroethene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 9:58 a	JMK	980326A
trans-1,2-Dichloroethene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 9:58 a	JMK	980326A
1,2-Dichloropropane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 9:58 a	JMK	980326A
1,3-Dichloropropane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 9:58 a	JMK	980326A
2,2-Dichloropropane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 9:58 a	JMK	980326A
1,1-Dichloropropene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 9:58 a	JMK	980326A
cis-1,3-Dichloropropene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 9:58 a	JMK	980326A
trans-1,3-Dichloropropene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 9:58 a	JMK	980326A
Ethylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 9:58 a	JMK	980326A
Hexachlorobutadiene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 9:58 a	JMK	980326A
Isopropylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 9:58 a	JMK	980326A
4-Isopropyltoluene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 9:58 a	JMK	980326A
Methyl tert-butyl ether	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 9:58 a	JMK	980326A
Methylene chloride	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 9:58 a	JMK	980326A
Naphthalene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 9:58 a	JMK	980326A
n-Propylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 9:58 a	JMK	980326A

Qualifiers:

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E - Value above quantitation range
H - Analyzed past EPA recommended Holding Time
D - Surrogate diluted out

Confidential and Privileged

McKENZIE LABORATORIES

Date: 13-Apr-98

CLIENT: Basin and Range Hydrogeologists
Work Order: 9803215
Project: DOLPHIN/91129.102

QC SUMMARY REPORT
Method Blank

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Styrene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 9:58 a	JMK	980326A
1,1,1,2-Tetrachloroethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 9:58 a	JMK	980326A
1,1,2,2-Tetrachloroethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 9:58 a	JMK	980326A
Tetrachloroethene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 9:58 a	JMK	980326A
Toluene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 9:58 a	JMK	980326A
1,2,3-Trichlorobenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 9:58 a	JMK	980326A
1,2,4-Trichlorobenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 9:58 a	JMK	980326A
1,1,1-Trichloroethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 9:58 a	JMK	980326A
1,1,2-Trichloroethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 9:58 a	JMK	980326A
Trichloroethene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 9:58 a	JMK	980326A
Trichlorofluoromethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 9:58 a	JMK	980326A
1,2,3-Trichloropropane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 9:58 a	JMK	980326A
1,2,4-Trimethylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 9:58 a	JMK	980326A
1,3,5-Trimethylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 9:58 a	JMK	980326A
Vinyl chloride	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 9:58 a	JMK	980326A
m,p-Xylene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 9:58 a	JMK	980326A
o-Xylene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 9:58 a	JMK	980326A
Xylenes, total	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/26/98 9:58 a	JMK	980326A
4-Bromofluorobenzene	98	70-130		%REC	1	EPA524.2	N/A	3/26/98 9:58 a	JMK	980326A
1,2-Dichlorobenzene-d4	120	70-130		%REC	1	EPA524.2	N/A	3/26/98 9:58 a	JMK	980326A

Qualifiers:
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Confidential and Privileged

McKENZIE LABORATORIES

Date: 13-Apr-98

CLIENT: Basin and Range Hydrogeologists
Work Order: 9803215
Project: DOLPHIN/91129.102

QC SUMMARY REPORT
Method Blank

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Benzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 11:26 a	JMK	980327A
Bromobenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 11:26 a	JMK	980327A
Bromochloromethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 11:26 a	JMK	980327A
Bromodichloromethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 11:26 a	JMK	980327A
Bromoform	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 11:26 a	JMK	980327A
Bromomethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 11:26 a	JMK	980327A
n-Butylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 11:26 a	JMK	980327A
sec-Butylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 11:26 a	JMK	980327A
tert-Butylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 11:26 a	JMK	980327A
Carbon tetrachloride	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 11:26 a	JMK	980327A
Chlorobenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 11:26 a	JMK	980327A
Chloroethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 11:26 a	JMK	980327A
Chloroform	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 11:26 a	JMK	980327A
Chloromethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 11:26 a	JMK	980327A
2-Chlorotoluene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 11:26 a	JMK	980327A
4-Chlorotoluene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 11:26 a	JMK	980327A
Dibromochloromethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 11:26 a	JMK	980327A
1,2-Dibromo-3-chloropropane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 11:26 a	JMK	980327A
1,2-Dibromoethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 11:26 a	JMK	980327A
Dibromomethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 11:26 a	JMK	980327A
1,2-Dichlorobenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 11:26 a	JMK	980327A
1,3-Dichlorobenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 11:26 a	JMK	980327A
1,4-Dichlorobenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 11:26 a	JMK	980327A
Dichlorodifluoromethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 11:26 a	JMK	980327A
1,1-Dichloroethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 11:26 a	JMK	980327A
1,2-Dichloroethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 11:26 a	JMK	980327A
1,1-Dichloroethene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 11:26 a	JMK	980327A
cis-1,2-Dichloroethene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 11:26 a	JMK	980327A
trans-1,2-Dichloroethene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 11:26 a	JMK	980327A
1,2-Dichloropropane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 11:26 a	JMK	980327A
1,3-Dichloropropane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 11:26 a	JMK	980327A
2,2-Dichloropropane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 11:26 a	JMK	980327A
1,1-Dichloropropene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 11:26 a	JMK	980327A
cis-1,3-Dichloropropene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 11:26 a	JMK	980327A
trans-1,3-Dichloropropene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 11:26 a	JMK	980327A
Ethylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 11:26 a	JMK	980327A
Hexachlorobutadiene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 11:26 a	JMK	980327A
Isopropylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 11:26 a	JMK	980327A
4-Isopropyltoluene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 11:26 a	JMK	980327A
Methyl tert-butyl ether	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 11:26 a	JMK	980327A
Methylene chloride	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 11:26 a	JMK	980327A
Naphthalene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 11:26 a	JMK	980327A
n-Propylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 11:26 a	JMK	980327A

Qualifiers:
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank
E - Value above quantitation range
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D - Surrogate diluted out

Confidential and Privileged

McKENZIE LABORATORIES

Date: 13-Apr-98

CLIENT: Basin and Range Hydrogeologists
Work Order: 9803215
Project: DOLPHIN/91129.102

QC SUMMARY REPORT

Method Blank

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Styrene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 11:26 a	JMK	980327A
1,1,1,2-Tetrachloroethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 11:26 a	JMK	980327A
1,1,2,2-Tetrachloroethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 11:26 a	JMK	980327A
Tetrachloroethene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 11:26 a	JMK	980327A
Toluene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 11:26 a	JMK	980327A
1,2,3-Trichlorobenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 11:26 a	JMK	980327A
1,2,4-Trichlorobenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 11:26 a	JMK	980327A
1,1,1-Trichloroethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 11:26 a	JMK	980327A
1,1,2-Trichloroethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 11:26 a	JMK	980327A
Trichloroethene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 11:26 a	JMK	980327A
Trichlorofluoromethane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 11:26 a	JMK	980327A
1,2,3-Trichloropropane	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 11:26 a	JMK	980327A
1,2,4-Trimethylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 11:26 a	JMK	980327A
1,3,5-Trimethylbenzene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 11:26 a	JMK	980327A
Vinyl chloride	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 11:26 a	JMK	980327A
m,p-Xylene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 11:26 a	JMK	980327A
o-Xylene	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 11:26 a	JMK	980327A
Xylenes, total	<0.5	0.5		µg/L	1	EPA524.2	N/A	3/27/98 11:26 a	JMK	980327A
4-Bromofluorobenzene	98	70-130		%REC	1	EPA524.2	N/A	3/27/98 11:26 a	JMK	980327A
1,2-Dichlorobenzene-d4	116	70-130		%REC	1	EPA524.2	N/A	3/27/98 11:26 a	JMK	980327A

Qualifiers:

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E - Value above quantitation range
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Confidential and Privileged

McKENZIE LABORATORIES

Date: 13-Apr-98

CLIENT: Basin and Range Hydrogeologists
Work Order: 9803215
Project: DOLPHIN/91129.102

QC SUMMARY REPORT

Blank Spike (primary source)

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Sample ID: **LCS_1080326A**	Batch ID: 980326A			Test Code: EPA524.2				Date Analyzed: 3/26/98 8:33 a			
				Units: µg/L				Date Prepared: N/A			
Benzene	9.8	0.5	10	<0.5	98%	70	130				
Chlorobenzene	9.7	0.5	10	<0.5	97%	70	130				
1,1-Dichloroethene	9.0	0.5	10	<0.5	90%	70	130				
Toluene	9.6	0.5	10	<0.5	96%	70	130				
Trichloroethene	9.7	0.5	10	<0.5	97%	70	130				
4-Bromofluorobenzene	10.0	N/A	10	N/A	100%	70	130				
1,2-Dichlorobenzene-d4	10.7	N/A	10	N/A	107%	70	130				
Sample ID: **LCSD_1080326A**	Batch ID: 980326A			Test Code: EPA524.2				Date Analyzed: 3/26/98 9:16 a			
				Units: µg/L				Date Prepared: N/A			
Benzene	9.4	0.5	10	<0.5	94%	70	130	9.82	4%	20	
Chlorobenzene	9.2	0.5	10	<0.5	92%	70	130	9.72	5%	20	
1,1-Dichloroethene	8.7	0.5	10	<0.5	87%	70	130	9.02	4%	20	
Toluene	9.2	0.5	10	<0.5	92%	70	130	9.58	4%	20	
Trichloroethene	9.3	0.5	10	<0.5	93%	70	130	9.69	4%	20	
4-Bromofluorobenzene	11.2	N/A	10	N/A	112%	70	130				
1,2-Dichlorobenzene-d4	10.8	N/A	10	N/A	108%	70	130				
Sample ID: **LCSD_1080327A**	Batch ID: 980327A			Test Code: EPA524.2				Date Analyzed: 3/27/98 10:41 a			
				Units: µg/L				Date Prepared: N/A			
Benzene	9.7	0.5	10	<0.5	97%	70	130	9.87	2%	20	
Chlorobenzene	9.4	0.5	10	<0.5	94%	70	130	9.72	3%	20	
1,1-Dichloroethene	9.6	0.5	10	<0.5	96%	70	130	10.22	7%	20	
Toluene	9.3	0.5	10	<0.5	93%	70	130	9.64	4%	20	
Trichloroethene	9.4	0.5	10	<0.5	94%	70	130	9.64	2%	20	
4-Bromofluorobenzene	10.3	N/A	10	N/A	103%	70	130				
1,2-Dichlorobenzene-d4	11.0	N/A	10	N/A	110%	70	130				
Sample ID: **LCS_1080327A**	Batch ID: 980327A			Test Code: EPA524.2				Date Analyzed: 3/27/98 9:58 a			
				Units: µg/L				Date Prepared: N/A			
Benzene	9.9	0.5	10	<0.5	99%	70	130				
Chlorobenzene	9.7	0.5	10	<0.5	97%	70	130				
1,1-Dichloroethene	10.2	0.5	10	<0.5	102%	70	130				
Toluene	9.6	0.5	10	<0.5	96%	70	130				
Trichloroethene	9.6	0.5	10	<0.5	96%	70	130				
4-Bromofluorobenzene	10.4	N/A	10	N/A	104%	70	130				
1,2-Dichlorobenzene-d4	10.5	N/A	10	N/A	105%	70	130				

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D - Surrogate diluted out

Confidential and Privileged

McKENZIE LABORATORIES

Chain of Custody

McKenzie Labs
3725 E. Atlanta Ave.
Phoenix, AZ 85040
(602) 470-0288
FAX (602) 470-0756

DATE 3·25·98 PAGE 1 of

PROJECT MANAGER: PHIL LAGAS

9803 215

ANALYSIS REQUEST

COMPANY: BASIN & RANGE
ADDRESS: 5080 N. 40th St, Ste 105
PHOENIX, AZ 85018

BILL TO:
COMPANY:
ADDRESS:

SAMPLERS: (Signature) [signature] Robert D [signature] FAX NUMBER 840-8011 PHONE NUMBER 840-3333

SAMPLE ID	PRES.	TYPE OF CONTAINER	DATE	TIME	MATRIX	LAB ID	Petroleum Hydrocarbons (418.1 / 418.1 AZ)	BTXE (8021)	Chlorinated Hydrocarbons (601/8021)	Aromatic Hydrocarbons (602/8021)	VOCs (524.2)	Organochlorine Pesticides (608/8081)	Chlorinated Herbicides (615/8151)	Organophosphate Pesticides (614/8141)	Semi-Volatile Organics GC/MS (625/8270)	Volatile Organics GC/MS (624/8240)	SDWA Primary Standards	SDWA Secondary Standards	SDWA Volatiles (502.1/503.1/502.2)	The 13 Priority Pollutant Metals	The 8 RCRA Metals by TCLP (1311)	NUMBER OF CONTAINERS
DITB-032598	HCl	VOAs	3·25·98	1100	WATER	01A					X											2
DIMW2-410-14	HCl	VOAs	3·25·98	1141	WATER	02A					X											3
DIMW2-345-14	HCl	VOAs	3·25·98	1200	WATER	03A					X											3
DIMW2-240-14	HCl	VOAs	3·25·98	1221	WATER	04A					X											3
DIMW2-165-14	HCl	VOAs	3·25·98	1238	WATER	05A					X											3
DIMW2-90-14	HCl	VOAs	3·25·98	1258	WATER	06A					X											4
DIMW2-EB-14	HCl	VOAs	3·25·98	1320	WATER	07A					X											3

PROJECT INFORMATION	SAMPLE RECEIPT	
PROJECT NO: 91129.102	TOTAL NO. OF CONTAINERS:	21
PROJECT NAME: DOLPHIN	CHAIN OF CUSTODY SEALS:	Yes
P.O. NO.: 91129.102	RECEIVED INTACT:	Yes
SHIPPED VIA:	TEMPERATURE:	AMBIENT / COLD
SAMPLE DISPOSAL INSTRUCTIONS*	ICE:	PRESENT / ABSENT
☐ McKENZIE ☐ RETURN		WET / BLUE

PRIOR AUTHORIZATION IS REQUIRED FOR RUSH PROJECTS ☐

TAT: (NORMAL) ☒ (RUSH) ☐ 24 ☐ 48 ☐ 72 ☐ 1 WEEK

Comments:

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature: [signature] Time: 1415	Signature: Time:	Signature: Time:
Printed Name: Jeannie Chang Date: 3·25·98	Printed Name: Date:	Printed Name: Date:
Company: Basin & Range	Company:	Company:

RECEIVED BY: 1.	RECEIVED BY: 2.	RECEIVED BY: 3.
Signature: [signature] Time: 1415	Signature: Time:	Signature: Time:
Printed Name: K A NASON Date: 25MAR98	Printed Name: Date:	Printed Name: Date:
Company: McKenzie	Company:	Company:

* Samples will be discarded / returned after 60 days

White, Canary: McKenzie Labs Pink: Originator

American Environmental Network (Arizona), Inc.

AEN I.D. 801323

January 29, 1998

Ogden Enviromental
5510 Morehouse Drive
San Diego, CA 92121

Project Name/Number: FRY'S WHSE

Attention: Melissa Porter

On 01/21/98, American Environmental Network (Arizona), Inc., received a request to analyze aqueous sample(s). The sample(s) were analyzed with EPA methodology or equivalent methods. The results of these analyses and the quality control data, which follow each set of analyses, are enclosed.

If you have any questions or comments, please do not hesitate to contact us at (602) 496-4400.

Linda Eshelman
Project Manager
LE/acc
Enclosure

ADHS License No. AZ0061
Alan Kleinschmidt, Regional General Manager

American Environmental Network (Arizona), Inc.

CLIENT : OGDEN ENVIRONMENTAL
PROJECT # : (NONE)
PROJECT NAME : FRY'S WHSRE

DATE RECEIVED : 01/21/98
REPORT DATE : 01/29/98

ATI I.D. : 801323

ATI #	CLIENT DESCRIPTION	MATRIX	DATE COLLECTED
01	MW 1	AQUEOUS	01/21/98
02	MW 2	AQUEOUS	01/21/98
03	MW 3	AQUEOUS	01/21/98
04	MW 4	AQUEOUS	01/21/98
05	TRIP	AQUEOUS	01/21/98

----- TOTALS -----

MATRIX	# SAMPLES
AQUEOUS	5

ATI STANDARD DISPOSAL PRACTICE

The samples from this project will be disposed of in thirty (30) days from the date of this report. If an extended storage period is required, please contact our sample control department before the scheduled disposal date.

American Environmental Network (Arizona), Inc.

GENERAL CHEMISTRY RESULTS

ATI I.D. : 801323

CLIENT : OGDEN ENVIRONMENTAL
PROJECT # : (NONE)
PROJECT NAME : FRY'S WHSRE

DATE RECEIVED : 01/21/98
REPORT DATE : 01/29/98

PARAMETER	UNITS	01	02	03	04
PETROLEUM HYDROCARBONS,418.1	MG/L	<1	9	<1	<1

American Environmental Network (Arizona), Inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 80132301

TEST : EPA METHOD 502.2

CLIENT	: OGDEN ENVIRONMENTAL	DATE SAMPLED	: 01/21/98
PROJECT #	: (NONE)	DATE RECEIVED	: 01/21/98
PROJECT NAME	: FRY'S WHSRE	DATE EXTRACTED	: N/A
CLIENT I.D.	: MW 1	DATE ANALYZED	: 01/22/98
SAMPLE MATRIX	: AQUEOUS	UNITS	: UG/L
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
VINYL CHLORIDE	<0.5
BENZENE	0.7
CARBON TETRACHLORIDE	<0.5
1,2-DICHLOROETHANE	0.6
TRICHLOROETHYLENE (TCE)	16
PARA-DICHLOROBENZENE	<0.5
1,1-DICHLOROETHYLENE	1.7
1,1,1-TRICHLOROETHANE	<0.5
CIS-1,2-DICHLOROETHYLENE	11
1,2-DICHLOROPROPANE	<0.5
ETHYLBENZENE	2.1
CHLOROBENZENE	<0.5
ORTHO-DICHLOROBENZENE	<0.5
TETRACHLOROETHYLENE	35
TOLUENE	2.1
TRANS-1,2-DICHLOROETHYLENE	1.2
TOTAL XYLENES	5.0
STYRENE	<0.5
CHLOROMETHANE	<0.5
BROMOMETHANE	<0.5
CHLOROETHANE	<0.5
DIBROMOMETHANE	<0.5
1,1-DICHLOROPROPENE	<0.5
1,3-DICHLOROPROPANE	<0.5
1,2,3-TRICHLOROPROPANE	<0.5
2,2-DICHLOROPROPANE	3.7
CHLOROFORM	6.1
BROMOFORM	<0.5
BROMODICHLOROMETHANE	<0.5
CHLORODIBROMOMETHANE	<0.5
DICHLOROMETHANE	<0.5
ORTHO-CHLOROTOLUENE	<0.5
PARA-CHLOROTOLUENE	<0.5
META-DICHLOROBENZENE	<0.5
1,1-DICHLOROETHANE	<0.5
1,1,2-TRICHLOROETHANE	<0.5
1,1,1,2-TETRACHLOROETHANE	<0.5
1,1,2,2-TETRACHLOROETHANE	<0.5
BROMOBENZENE	<0.5
DICHLORODIFLUOROMETHANE	1.7
TRICHLOROFLUOROMETHANE	1.8

American Environmental Network (Arizona), Inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 80132301

TEST : EPA METHOD 502.2

COMPOUNDS	RESULTS
BROMOCHLOROMETHANE	<0.5
1,2-DIBROMOETHANE	<0.5
ISO-PROPYLBENZENE	<0.5
N-PROPYLBENZENE	<0.5
1,3,5-TRIMETHYLBENZENE	<0.5
1,2,4-TRIMETHYLBENZENE	<0.5
TERT-BUTYLBENZENE	<0.5
SEC-BUTYLBENZENE	0.7
P-ISOPROPYLTOLUENE	<0.5
N-BUTYLBENZENE	<0.5
1,2-DIBROMO-3-CHLOROPROPANE	<0.5
1,2,4-TRICHLOROBENZENE	<0.5
NAPHTHALENE	<0.5
1,2,3-TRICHLOROBENZENE	<0.5
HEXACHLOROBUTADIENE	<0.5
TRANS-1,3-DICHLOROPROPENE	<0.5
CIS-1,3-DICHLOROPROPENE	<0.5

SURROGATE PERCENT RECOVERIES

1-CHLORO-2-FLUOROBENZENE (PID) %	99
BROMOFLUOROBENZENE (HALL) %	106

American Environmental Network (Arizona), Inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 80132302

TEST : EPA METHOD 502.2

CLIENT	: OGDEN ENVIRONMENTAL	DATE SAMPLED	: 01/21/98
PROJECT #	: (NONE)	DATE RECEIVED	: 01/21/98
PROJECT NAME	: FRY'S WHSRE	DATE EXTRACTED	: N/A
CLIENT I.D.	: MW 2	DATE ANALYZED	: 01/22/98
SAMPLE MATRIX	: AQUEOUS	UNITS	: UG/L
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
VINYL CHLORIDE	<0.5
BENZENE	<0.5
CARBON TETRACHLORIDE	<0.5
1,2-DICHLOROETHANE	<0.5
TRICHLOROETHYLENE (TCE)	11
PARA-DICHLOROBENZENE	<0.5
1,1-DICHLOROETHYLENE	2.1
1,1,1-TRICHLOROETHANE	<0.5
CIS-1,2-DICHLOROETHYLENE	6.6
1,2-DICHLOROPROPANE	<0.5
ETHYLBENZENE	0.9
CHLOROBENZENE	<0.5
ORTHO-DICHLOROBENZENE	<0.5
TETRACHLOROETHYLENE	24
TOLUENE	0.8
TRANS-1,2-DICHLOROETHYLENE	<0.5
TOTAL XYLENES	2.9
STYRENE	<0.5
CHLOROMETHANE	<0.5
BROMOMETHANE	<0.5
CHLOROETHANE	<0.5
DIBROMOMETHANE	<0.5
1,1-DICHLOROPROPENE	<0.5
1,3-DICHLOROPROPANE	<0.5
1,2,3-TRICHLOROPROPANE	<0.5
2,2-DICHLOROPROPANE	3.9
CHLOROFORM	4.3
BROMOFORM	<0.5
BROMODICHLOROMETHANE	<0.5
CHLORODIBROMOMETHANE	<0.5
DICHLOROMETHANE	<0.5
ORTHO-CHLOROTOLUENE	<0.5
PARA-CHLOROTOLUENE	<0.5
META-DICHLOROBENZENE	<0.5
1,1-DICHLOROETHANE	<0.5
1,1,2-TRICHLOROETHANE	<0.5
1,1,1,2-TETRACHLOROETHANE	<0.5
1,1,2,2-TETRACHLOROETHANE	<0.5
BROMOBENZENE	<0.5
DICHLORODIFLUOROMETHANE	0.9
TRICHLOROFLUOROMETHANE	<0.5

American Environmental Network (Arizona), Inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 80132302

TEST : EPA METHOD 502.2

COMPOUNDS	RESULTS
BROMOCHLOROMETHANE	<0.5
1,2-DIBROMOETHANE	<0.5
ISO-PROPYLBENZENE	<0.5
N-PROPYLBENZENE	<0.5
1,3,5-TRIMETHYLBENZENE	<0.5
1,2,4-TRIMETHYLBENZENE	0.6
TERT-BUTYLBENZENE	<0.5
SEC-BUTYLBENZENE	<0.5
P-ISOPROPYLTOLUENE	<0.5
N-BUTYLBENZENE	<0.5
1,2-DIBROMO-3-CHLOROPROPANE	<0.5
1,2,4-TRICHLOROBENZENE	<0.5
NAPHTHALENE	<0.5
1,2,3-TRICHLOROBENZENE	<0.5
HEXACHLOROBUTADIENE	<0.5
TRANS-1,3-DICHLOROPROPENE	<0.5
CIS-1,3-DICHLOROPROPENE	<0.5

SURROGATE PERCENT RECOVERIES

1-CHLORO-2-FLUOROBENZENE (PID) %	89
BROMOFLUOROBENZENE (HALL) %	100

American Environmental Network (Arizona), Inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 80132303

TEST : EPA METHOD 502.2

CLIENT	: OGDEN ENVIRONMENTAL	DATE SAMPLED	: 01/21/98
PROJECT #	: (NONE)	DATE RECEIVED	: 01/21/98
PROJECT NAME	: FRY'S WHSRE	DATE EXTRACTED	: N/A
CLIENT I.D.	: MW 3	DATE ANALYZED	: 01/22/98
SAMPLE MATRIX	: AQUEOUS	UNITS	: UG/L
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
VINYL CHLORIDE	<0.5
BENZENE	<0.5
CARBON TETRACHLORIDE	<0.5
1,2-DICHLOROETHANE	0.6
TRICHLOROETHYLENE (TCE)	15
PARA-DICHLOROBENZENE	<0.5
1,1-DICHLOROETHYLENE	<0.5
1,1,1-TRICHLOROETHANE	<0.5
CIS-1,2-DICHLOROETHYLENE	9.6
1,2-DICHLOROPROPANE	<0.5
ETHYLBENZENE	1.1
CHLOROBENZENE	<0.5
ORTHO-DICHLOROBENZENE	<0.5
TETRACHLOROETHYLENE	29
TOLUENE	1.3
TRANS-1,2-DICHLOROETHYLENE	1.9
TOTAL XYLENES	1.7
STYRENE	<0.5
CHLOROMETHANE	<0.5
BROMOMETHANE	<0.5
CHLOROETHANE	<0.5
DIBROMOMETHANE	<0.5
1,1-DICHLOROPROPENE	<0.5
1,3-DICHLOROPROPANE	<0.5
1,2,3-TRICHLOROPROPANE	<0.5
2,2-DICHLOROPROPANE	5.4
CHLOROFORM	5.3
BROMOFORM	<0.5
BROMODICHLOROMETHANE	<0.5
CHLORODIBROMOMETHANE	<0.5
DICHLOROMETHANE	<0.5
ORTHO-CHLOROTOLUENE	<0.5
PARA-CHLOROTOLUENE	<0.5
META-DICHLOROBENZENE	<0.5
1,1-DICHLOROETHANE	<0.5
1,1,2-TRICHLOROETHANE	<0.5
1,1,1,2-TETRACHLOROETHANE	<0.5
1,1,2,2-TETRACHLOROETHANE	<0.5
BROMOBENZENE	<0.5
DICHLORODIFLUOROMETHANE	0.8
TRICHLOROFLUOROMETHANE	1.0

American Environmental Network (Arizona), Inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 80132303

TEST : EPA METHOD 502.2

COMPOUNDS	RESULTS
BROMOCHLOROMETHANE	<0.5
1,2-DIBROMOETHANE	<0.5
ISO-PROPYLBENZENE	<0.5
N-PROPYLBENZENE	<0.5
1,3,5-TRIMETHYLBENZENE	<0.5
1,2,4-TRIMETHYLBENZENE	<0.5
TERT-BUTYLBENZENE	<0.5
SEC-BUTYLBENZENE	<0.5
P-ISOPROPYLTOLUENE	<0.5
N-BUTYLBENZENE	<0.5
1,2-DIBROMO-3-CHLOROPROPANE	<0.5
1,2,4-TRICHLOROBENZENE	<0.5
NAPHTHALENE	<0.5
1,2,3-TRICHLOROBENZENE	<0.5
HEXACHLOROBUTADIENE	<0.5
TRANS-1,3-DICHLOROPROPENE	<0.5
CIS-1,3-DICHLOROPROPENE	<0.5

SURROGATE PERCENT RECOVERIES

1-CHLORO-2-FLUOROBENZENE (PID) %	94
BROMOFLUOROBENZENE (HALL) %	103

American Environmental Network (Arizona), Inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 80132304

TEST : EPA METHOD 502.2

CLIENT	: OGDEN ENVIRONMENTAL	DATE SAMPLED	: 01/21/98
PROJECT #	: (NONE)	DATE RECEIVED	: 01/21/98
PROJECT NAME	: FRY'S WHSRE	DATE EXTRACTED	: N/A
CLIENT I.D.	: MW 4	DATE ANALYZED	: 01/22/98
SAMPLE MATRIX	: AQUEOUS	UNITS	: UG/L
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
VINYL CHLORIDE	<0.5
BENZENE	<0.5
CARBON TETRACHLORIDE	<0.5
1,2-DICHLOROETHANE	0.6
TRICHLOROETHYLENE (TCE)	10
PARA-DICHLOROBENZENE	<0.5
1,1-DICHLOROETHYLENE	<0.5
1,1,1-TRICHLOROETHANE	<0.5
CIS-1,2-DICHLOROETHYLENE	6.7
1,2-DICHLOROPROPANE	<0.5
ETHYLBENZENE	1.4
CHLOROBENZENE	<0.5
ORTHO-DICHLOROBENZENE	<0.5
TETRACHLOROETHYLENE	22
TOLUENE	1.2
TRANS-1,2-DICHLOROETHYLENE	1.0
TOTAL XYLENES	3.3
STYRENE	<0.5
CHLOROMETHANE	<0.5
BROMOMETHANE	<0.5
CHLOROETHANE	<0.5
DIBROMOMETHANE	<0.5
1,1-DICHLOROPROPENE	<0.5
1,3-DICHLOROPROPANE	<0.5
1,2,3-TRICHLOROPROPANE	<0.5
2,2-DICHLOROPROPANE	3.1
CHLOROFORM	4.4
BROMOFORM	<0.5
BROMODICHLOROMETHANE	<0.5
CHLORODIBROMOMETHANE	0.6
DICHLOROMETHANE	<0.5
ORTHO-CHLOROTOLUENE	<0.5
PARA-CHLOROTOLUENE	<0.5
META-DICHLOROBENZENE	<0.5
1,1-DICHLOROETHANE	<0.5
1,1,2-TRICHLOROETHANE	<0.5
1,1,1,2-TETRACHLOROETHANE	<0.5
1,1,2,2-TETRACHLOROETHANE	<0.5
BROMOBENZENE	<0.5
DICHLORODIFLUOROMETHANE	1.2
TRICHLOROFLUOROMETHANE	<0.5

American Environmental Network (Arizona), Inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 80132304

TEST : EPA METHOD 502.2

COMPOUNDS	RESULTS
BROMOCHLOROMETHANE	<0.5
1,2-DIBROMOETHANE	<0.5
ISO-PROPYLBENZENE	<0.5
N-PROPYLBENZENE	<0.5
1,3,5-TRIMETHYLBENZENE	<0.5
1,2,4-TRIMETHYLBENZENE	<0.5
TERT-BUTYLBENZENE	<0.5
SEC-BUTYLBENZENE	<0.5
P-ISOPROPYLTOLUENE	<0.5
N-BUTYLBENZENE	<0.5
1,2-DIBROMO-3-CHLOROPROPANE	<0.5
1,2,4-TRICHLOROBENZENE	<0.5
NAPHTHALENE	<0.5
1,2,3-TRICHLOROBENZENE	<0.5
HEXACHLOROBUTADIENE	<0.5
TRANS-1,3-DICHLOROPROPENE	<0.5
CIS-1,3-DICHLOROPROPENE	<0.5

SURROGATE PERCENT RECOVERIES

1-CHLORO-2-FLUOROBENZENE (PID) %	96
BROMOFLUOROBENZENE (HALL) %	103

American Environmental Network (Arizona), Inc.
9830 S. 51st Street, B-113
Phoenix, Arizona 85044
(602) 496-4400

CHAIN OF CUSTODY

DATE 1-21-98 PAGE 1 OF 1

AEN LAB I.D. 801323

PLEASE FILL THIS FORM IN COMPLETELY. SHADED AREAS ARE FOR LAB USE ONLY.

REPORT: Attn. to: Melissa Porter

COMPANY: ~~5570~~ OGDEN ENVN.
ADDRESS: 5510 Morehouse Dr.
San Diego, CA 92121
PHONE:
FAX:

BILL TO: Same
COMPANY:
ADDRESS:

SAMPLE ID	DATE	TIME	MATRIX	LAB ID	COMPOSITE OR GRAB	TPH IR 418.1	Diesel (BLS-191)	M8015 Diesel C_{10} - C_{22}	M8015 Gas C_6 - C_{22} (GRO/DRO/ORO)	M8015 Gas C_6-C_{10}	BTEX GC 602 / 8021 / 8020	PCB 608 / 8082 / 8080	Pesticides 508 / 608 / 8081 / 8080	Herbicides 515.1 / 8151 / 8150	PAH HPLC 610 / 8310	SV GC/MS 625 / 8270 Tics: Yes / No	VOC Halocarbons GC 601 / 8021 / 8010	VOC Aromatics GC 602 / 8021 / 8020	VOC GC/MS 624 / 8260 / 8240 Tics: Yes / No	VOC GC/MS 524.2 (DW)	VOC GC 502.2 (DW)	Total 8 RCRA Metals	TCLP 8 RCRA Metals (1311)	NUMBER OF CONTAINERS
MW 1	1-21-98	10:30	AQ	1		X															X			4
MW 2	1-21-98	12:16	AQ	2		X															X			4
MW 3	1-21-98	11:30	AQ	3		X															X			4
MW 4	1-21-98	01:06	AQ	4		X															X			4
Trip			AQ	5																	X			1

PROJECT INFORMATION

PROJ. NO.:
PROJ. NAME: Fry's WHSE
P.O. NO.:
SHIPPED VIA:

SAMPLE RECEIPT

- ☐ UST (72 hr. ext.)
- ☐ NPDES
- ☐ SDWA
- ☐ RCRA
- ☐ OTHER

NO. CONTAINERS: 17
CUSTODY SEALS: Y / N / NA
RECEIVED INTACT: Y / N / NA
RECEIVED ICE: Y / N / NA

PRIOR AUTHORIZATION IS REQUIRED FOR RUSH PROJECTS

(RUSH) ☐ 24hr ☐ 48hr ☐ 72hr ☐ 1 WEEK (NORMAL) ☐ 2 WEEKS

Drinking Water Methods Req. Yes / No

Comments:

SAMPLED & RELINQUISHED BY: 1.

Signature: Time: 2:55
Printed Name: Date: 1-21-98
Company: Phone:
T4F 254-6586

RELINQUISHED BY: 2.

Signature: Time:
Printed Name: Date:
Company:

RELINQUISHED BY: 3.

Signature: Time:
Printed Name: Date:
Company:

RECEIVED BY: 1.

Signature: Time:
Printed Name: Date:
Company:

RECEIVED BY: 2.

Signature: Time:
Printed Name: Date:
Company:

RECEIVED BY: (LAB) 3.

Signature: Time: 1455
Printed Name: Date: 1/21/98
Corrina L Bowles
American Environmental Network

AEN Labs: Albuquerque (505) 344-3777 • Columbia (410) 730-8525 • Pensacola (904) 474-1001 • Pleasant Hill (510) 930-9090 • Portland (503) 684-0447

DISTRIBUTION: White, Canary - AEN (Arizona), Inc. • Pink - ORIGINATOR

CORELAB

COPY

CORE LABORATORIES

CORE LABORATORIES
A N A L Y T I C A L R E P O R T

Job Number: 983257
Prepared For:

Fluor Daniel GTI
Ken Greene
1100 E. University Dr., Ste 116
Tempe, AZ 85281

Date: 07/07/98

Signature

Date: 7/7/98

Name: Tim A. Scott

Core Laboratories
1250 Gene Autry Way
Anaheim, CA 92805

Title: Laboratory Manager

RECEIVED
JUL 10 1998
FLUOR DANIEL GTI
TEMPE, ARIZONA

CORELAB

CORE LABORATORIES

Client: Fluor Daniel GTI

7/8/98

Project Name/No: 320 W.Lincoln/023300635

Work Order Number: 397785

ANALYTICAL RESULTS

Volatile Organics by GC/PID/ELCD Using EPA 601 and 602

Lab ID Number		983257-0001	983257-0002	983257-0003	983257-0004	983257-0005
Client Identification		EB1	MC-02	MC-05	MC-04	MC-01
Date Sampled		6/29/98	6/29/98	6/29/98	6/29/98	6/29/98
Date Prepared		7/2/98	7/2/98	7/2/98	7/2/98	7/2/98
Date Analyzed		7/2/98	7/2/98	7/2/98	7/2/98	7/2/98
Reporting Limit Muliplier		1	2	10	10	5
COMPOUND	RDL ug/L	Concentration, ug/L				
Benzene	0.5	<0.5	<1	<5	<5	<2
Bromodichloromethane	0.5	<0.5	<1	<5	<5	<2
Bromoform	0.5	<0.5	<1	<5	<5	<2
Bromomethane	5.0	<5	<10	<50	<50	<25
Carbon tetrachloride	0.5	<0.5	<1	<5	<5	<2
Chlorobenzene	0.5	<0.5	<1	<5	<5	<2
Chloroethane	5.0	<5	<10	<50	<50	<25
Chloroform	0.5	<0.5	<1	<5	<5	<2
2-Chloroethylvinyl ether	0.5	<0.5	<1	<5	<5	<2
Chloromethane	5.0	<5	<10	<50	<50	<25
Dichlorodifluoromethane	0.5	<0.5	<1	<5	<5	<2
Dibromochloromethane	0.5	<0.5	<1	<5	<5	<2
12-Dichlorobenzene	0.5	<0.5	<1	<5	<5	<2
13-Dichlorobenzene	0.5	<0.5	<1	<5	<5	<2
14-Dichlorobenzene	0.5	<0.5	<1	<5	<5	<2
11-Dichloroethane	0.5	<0.5	**1.2**	<5	<5	<2
12-Dichloroethane	0.5	<0.5	<1	<5	<5	<2
11-Dichloroethene	0.5	<0.5	<1	<5	<5	<2
trans-12-Dichloroethene	0.5	<0.5	<1	<5	<5	<2
12-Dichloropropane	0.5	<0.5	<1	<5	<5	<2
cis-13-Dichloropropene	0.5	<0.5	<1	<5	<5	<2
trans-13-Dichloropropene	0.5	<0.5	<1	<5	<5	<2
Ethylbenzene	0.5	<0.5	<1	<5	<5	<2
Methylene Chloride	5.0	<5	<10	<50	<50	<25
1122-Tetrachloroethane	0.5	<0.5	<1	<5	<5	<2
Tetrachloroethene	0.5	<0.5	**9.6**	**48**	**23**	**31**
Toluene	0.5	<0.5	<1	<5	<5	<2
111-Trichloroethane	0.5	<0.5	<1	<5	<5	<2
112-Trichloroethane	0.5	<0.5	<1	<5	<5	<2
Trichloroethene	0.5	<0.5	**30**	**170**	**120**	**98**
Trichlorofluoromethane	5.0	<5	<10	<50	<50	<25
Total Xylenes	0.5	<0.5	**1**	<5	<5	<2
Vinyl chloride	5.0	<5	<10	<50	<50	<25
4-Bromofluorobenzene (SURROGATE)	0.0	**97**	**115**	**109**	**107**	**115**
4-Bromofluorobenzene (SURROGATE)	0.0	**143**	**137**	**136**	**137**	**135**
cis-12-Dichloroethene	0.5	<0.5	<1	<5	<5	<2

Notes: Surrogate Limits 1 are 48-132, Surrogate Limits 2 are 64-147

CORELAB

CORE LABORATORIES

Client: Fluor Daniel GTI 7/8/98

Project Name/No: 320 W.Lincoln/023300635

Work Order Number: 397785

ANALYTICAL RESULTS

Volatile Organics by GC/PID/ELCD Using EPA 601 and 602

Lab ID Number		983257-0006	983257-0007	983257-0008	983257-0009	983257-0010
Client Identification		ADEQ MW4	MC-03	EW-01	PZ-01	BD
Date Sampled		6/29/98	6/30/98	6/30/98	6/30/98	6/30/98
Date Prepared		7/2/98	7/2/98	7/2/98	7/2/98	7/2/98
Date Analyzed		7/2/98	7/2/98	7/2/98	7/2/98	7/2/98
Reporting Limit Muliplier		20	5	25	20	20
COMPOUND	RDL ug/L	Concentration, ug/L				
Benzene	10.0	<10	<2	<12	<10	<10
Bromodichloromethane	10.0	<10	<2	<12	<10	<10
Bromoform	10.0	<10	<2	<12	<10	<10
Bromomethane	100.0	<100	<25	<125	<100	<100
Carbon tetrachloride	10.0	<10	<2	<12	<10	<10
Chlorobenzene	10.0	<10	<2	<12	<10	<10
Chloroethane	100.0	<100	<25	<125	<100	<100
Chloroform	10.0	<10	<2	<12	<10	<10
2-Chloroethylvinyl ether	10.0	<10	<2	<12	<10	<10
Chloromethane	100.0	<100	<25	<125	<100	<100
Dichlorodifluoromethane	10.0	<10	<2	<12	<10	<10
Dibromochloromethane	10.0	<10	<2	<12	<10	<10
12-Dichlorobenzene	10.0	<10	<2	<12	<10	<10
13-Dichlorobenzene	10.0	<10	<2	<12	<10	<10
14-Dichlorobenzene	10.0	<10	<2	<12	<10	<10
11-Dichloroethane	10.0	<10	**5.5**	**20**	**15**	**17**
12-Dichloroethane	10.0	<10	**16**	**27**	**16**	**22**
11-Dichloroethene	10.0	<10	<2	<12	<10	<10
trans-12-Dichloroethene	10.0	<10	<2	<12	<10	<10
12-Dichloropropane	10.0	<10	<2	<12	<10	<10
cis-13-Dichloropropene	10.0	<10	<2	<12	<10	<10
trans-13-Dichloropropene	10.0	<10	<2	<12	<10	<10
Ethylbenzene	10.0	<10	<2	<12	<10	<10
Methylene Chloride	100.0	<100	<25	<125	<100	<100
1122-Tetrachloroethane	10.0	<10	<2	<12	<10	<10
Tetrachloroethene	10.0	**71**	**66**	**260**	**180**	**200**
Toluene	10.0	<10	<2	<12	<10	<10
111-Trichloroethane	10.0	<10	<2	<12	<10	<10
112-Trichloroethane	10.0	<10	**3.4**	<12	<10	<10
Trichloroethene	10.0	**340**	**54**	**360**	**290**	**290**
Trichlorofluoromethane	100.0	<100	<25	<125	<100	<100
Total Xylenes	10.0	<10	<2	<12	<10	<10
Vinyl chloride	100.0	<100	<25	<125	<100	<100
4-Bromofluorobenzene (SURROGATE)	0.0	**119**	**110**	**118**	**115**	**113**
4-Bromofluorobenzene (SURROGATE)	0.0	**134**	**134**	**134**	**133**	**137**
cis-12-Dichloroethene	10.0	<10	**6.2**	<12	<10	<10

Notes: Surrogate Limits 1 are 48-132, Surrogate Limits 2 are 64-147

CORELAB

CORE LABORATORIES

Client: Fluor Daniel GTI 7/8/98

Project Name/No: 320 W.Lincoln/023300635

Work Order Number: 397785

ANALYTICAL RESULTS

Volatile Organics by GC/PID/ELCD Using EPA 601 and 602

Lab ID Number		983257-0011	983257-0012			
Client Identification		FB	BT			
Date Sampled		6/30/98	6/30/98			
Date Prepared		7/2/98	7/2/98			
Date Analyzed		7/2/98	7/2/98			
Reporting Limit Muliplier		1	2			
COMPOUND	RDL ug/L	Concentration, ug/L				
Benzene	0.5	<0.5	<1			
Bromodichloromethane	0.5	<0.5	<1			
Bromoform	0.5	<0.5	<1			
Bromomethane	5.0	<5	<10			
Carbon tetrachloride	0.5	<0.5	<1			
Chlorobenzene	0.5	<0.5	<1			
Chloroethane	5.0	<5	<10			
Chloroform	0.5	<0.5	**1.2**			
2-Chloroethylvinyl ether	0.5	<0.5	<1			
Chloromethane	5.0	<5	<10			
Dichlorodifluoromethane	0.5	<0.5	<1			
Dibromochloromethane	0.5	<0.5	<1			
12-Dichlorobenzene	0.5	<0.5	<1			
13-Dichlorobenzene	0.5	<0.5	<1			
14-Dichlorobenzene	0.5	<0.5	<1			
11-Dichloroethane	0.5	<0.5	**1.9**			
12-Dichloroethane	0.5	<0.5	**3**			
11-Dichloroethene	0.5	<0.5	<1			
trans-12-Dichloroethene	0.5	<0.5	<1			
12-Dichloropropane	0.5	<0.5	<1			
cis-13-Dichloropropene	0.5	<0.5	<1			
trans-13-Dichloropropene	0.5	<0.5	<1			
Ethylbenzene	0.5	<0.5	**1.2**			
Methylene Chloride	5.0	<5	<10			
1122-Tetrachloroethane	0.5	<0.5	<1			
Tetrachloroethene	0.5	<0.5	**20**			
Toluene	0.5	<0.5	<1			
111-Trichloroethane	0.5	<0.5	<1			
112-Trichloroethane	0.5	<0.5	<1			
Trichloroethene	0.5	<0.5	**36**			
Trichlorofluoromethane	5.0	<5	<10			
Total Xylenes	0.5	<0.5	**6.2**			
Vinyl chloride	5.0	<5	<10			
4-Bromofluorobenzene (SURROGATE)	0.0	**109**	**112**			
4-Bromofluorobenzene (SURROGATE)	0.0	**133**	**132**			
cis-12-Dichloroethene	0.5	<0.5	<1			

Notes: Surrogate Limits 1 are 48-132, Surrogate Limits 2 are 64-147

CORELAB

CORE LABORATORIES

QUALITY ASSURANCE REPORT

Project Number: 983257

EPA Method 601/602 DATE ANALYZED: 07/02/98

BLANKS

TEST DESCRIPTION	ANALYS.SUB-TYPE	ANALYSIS I.D.	DILUTION FACTOR	ANALYZED VALUE	DETECTION LIMIT	UNITS OF MEASURE
Benzene	METHOD	MB070298	1	ND	0.5	ug/L
Bromodichloromethane	METHOD	MB070298	1	ND	0.5	ug/L
Bromoform	METHOD	MB070298	1	ND	0.5	ug/L
Bromomethane	METHOD	MB070298	1	ND	5.0	ug/L
Carbon tetrachloride	METHOD	MB070298	1	ND	0.5	ug/L
Chlorobenzene	METHOD	MB070298	1	ND	0.5	ug/L
Chlorodibromomethane	METHOD	MB070298	1	ND	0.5	ug/L
Chloroethane	METHOD	MB070298	1	ND	5.0	ug/L
2-Chloroethylvinyl ether	METHOD	MB070298	1	ND	0.5	ug/L
Chloroform	METHOD	MB070298	1	ND	0.5	ug/L
Chloromethane	METHOD	MB070298	1	ND	5.0	ug/L
1,1-Dichloroethane	METHOD	MB070298	1	ND	0.5	ug/L
1,2-Dichloroethene	METHOD	MB070298	1	ND	0.5	ug/L
1,1-Dichloroethene	METHOD	MB070298	1	ND	0.5	ug/L
trans-1,2-Dichloroethene	METHOD	MB070298	1	ND	0.5	ug/L
1,2-Dichloropropane	METHOD	MB070298	1	ND	0.5	ug/L
cis-1,3-Dichloropropene	METHOD	MB070298	1	ND	0.5	ug/L
trans-1,3-Dichloropropene	METHOD	MB070298	1	ND	0.5	ug/L
Ethylbenzene	METHOD	MB070298	1	ND	0.5	ug/L
Methylene chloride	METHOD	MB070298	1	ND	5.0	ug/L
1,1,2,2-Tetrachloroethane	METHOD	MB070298	1	ND	0.5	ug/L
Tetrachloroethene	METHOD	MB070298	1	ND	0.5	ug/L
Toluene	METHOD	MB070298	1	ND	0.5	ug/L
1,1,1-Trichloroethane	METHOD	MB070298	1	ND	0.5	ug/L
1,1,2-Trichloroethane	METHOD	MB070298	1	ND	0.5	ug/L
Trichloroethene	METHOD	MB070298	1	ND	0.5	ug/L
Vinyl chloride	METHOD	MB070298	1	ND	5.0	ug/L
Total xylenes	METHOD	MB070298	1	ND	0.5	ug/L
1,3-Dichlorobenzene	METHOD	MB070298	1	ND	0.5	ug/L
1,4-Dichlorobenzene	METHOD	MB070298	1	ND	0.5	ug/L
1,2-Dichlorobenzene	METHOD	MB070298	1	ND	0.5	ug/L
Freon-113	METHOD	MB070298	1	ND	0.5	ug/L
cis-1,2-Dichloroethene	METHOD	MB070298	1	ND	0.5	ug/L
4-Bromofluorobenzene(601 Surrogate)	METHOD	MB070298		110	48-132	% rec
4-Bromofluorobenzene(602 Surrogate)	METHOD	MB070298		138	64-147	% rec

1250 Gene Autry Way
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CORE LABORATORIES

QUALITY ASSURANCE REPORT

Project Number: 983257

EPA Method 601/602

DATE ANALYZED: 07/03/98

MATRIX SPIKES

TEST DESCRIPTION	ANALYSIS SUB-TYPE	ANALYSIS I. D.	ANALYZED VALUE	ORIGINAL VALUE	SPIKE ADDED	UNITS	PERCENT RECOVERY	RPD	QC LIMITS %REC	QC LIMITS RRPD
Benzene	MATRIX	983257-1	10.3	0	10.0	ug/L	103	1.0	60-140	25
	MATRIX DUP	983257-1	10.2	0	10.0	ug/L	102			
Chlorobenzene	MATRIX	983257-1	9.2	0	10.0	ug/L	92	3.3	60-140	25
	MATRIX DUP	983257-1	9.5	0	10.0	ug/L	95			
1,1-Dichloroethene	MATRIX	983257-1	9.0	0	10.0	ug/L	90	0.3	60-140	25
	MATRIX DUP	983257-1	9.0	0	10.0	ug/L	90			
Trichloroethene	MATRIX	983257-1	9.1	0	10.0	ug/L	91	2.1	60-140	25
	MATRIX DUP	983257-1	9.3	0	10.0	ug/L	93			
Toluene	MATRIX	983257-1	10.4	0	10.0	ug/L	104	1.9	60-140	25
	MATRIX DUP	983257-1	10.2	0	10.0	ug/L	102			
4-Bromofluorobenzene(601 SURR)	MATRIX	983257-1	125	0	100	%rec	125	N/A	48-132	N/A
	MATRIX DUP	983257-1	128	0	100	%rec	128			
4-Bromofluorobenzene(602 SURR)	MATRIX	983257-1	130	0	100	%rec	130	N/A	64-147	N/A
	MATRIX DUP	983257-1	130	0	100	%rec	130			

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QUALITY ASSURANCE FOOTER

METHOD REFERENCES

(1) EPA SW-846, Test Methods for Evaluating Solid Waste, Third Edition, September 1986, and Updates I, II, IIA, IIB, and III
(2) Standard Methods for the Examination of Water and Wastewater, 18th Edition, 1992
(3) EPA 600/4-79-020, Methods of Chemical Analysis for Waters and Wastes, March 1983
(4) Federal Register, Friday, October 26, 1984 (40 CFR Part 136)
(5) American Society for Testing and Materials, Volumes 5.01, 5.02, 5.03, 1992
(6) EPA 600/4-89-001, Short-term Methods for Estimating the Chronic Toxicity of Effluents and Receiving Waters to Fresh Water Organisms
(7) EPA 600/4-90-027, Methods for Measuring the Acute Toxicity of Effluent and Receiving Waters to Fresh Water and Marine Organisms, Fourth Edition

COMMENTS

All methods of chemical analysis have a statistical uncertainty associated with the results. Unless otherwise indicated, the data in this report are within the limits of uncertainty as specified in the referenced method. Quality control acceptance criteria are based either on limits specified in the referenced method or on actual laboratory performance. The date and time of analysis indicated on the QC report may not reflect the actual time of analysis for QC samples. Data reported in the QA report may be lower than sample data due to dilution of samples into the calibration range of the analysis. Sample concentrations for solid samples are calculated on an as received (wet) basis unless otherwise indicated. Unless otherwise indicated, volatiles by gas chromatography (GC) are reported from a single column. Volatiles analyses by GC on low level soils are conducted at room temperature. TCLP extractions are performed at sample amounts, approved by the State of California.

FLAGS, FOOTNOTES, AND ABBREVIATIONS (as needed)

NA = Not analyzed
N/A = Not applicable
ug/L = Micrograms per liter
mg/L = Milligrams per liter
ND = Not detected at a value greater than the reporting limit
NC = Not calculable due to values lower than the detection limit
N.I. = Not Ignitable
S.I. = Sustains Ignition
I(NS) = Ignites, but does not Sustain Ignition
RPD = Relative Percent Difference
(a) = Surrogate recoveries were outside acceptable ranges due to matrix effects.
(b) = Surrogate recoveries were not calculated due to dilution of the sample below the detectable range for the surrogate.
(c) = Matrix spike recoveries were outside acceptable ranges due to matrix effects.
(d) = Relative Percent Difference (RPD) for duplicate analysis outside acceptance limits due to actual differences in the sample matrix.
(e) = The limit listed for flammability indicates the upper limit for the test. Samples are not tested at temperatures above 140 Fahrenheit since only samples which will sustain ignition at temperatures below 140 are considered flammable.
(f) = Results for this hydrocarbon range did not match a typical hydrocarbon pattern. Results were quantified using a diesel standard, however, the hydrocarbon pattern did not match a diesel pattern.
(g) = Results for this hydrocarbon range did not match a typical hydrocarbon pattern. Results were quantified using a gasoline standard, however, the hydrocarbon pattern did not match a gasoline pattern.
(h) = High dilution due to matrix effects

QC SAMPLE IDENTIFICATIONS

MB = Method Blank
RB = Reagent Blank
ICB = Initial Calibration Blank
CCB = Continuing Calibration Blank
CS = Calibration Standard
ICV = Initial Calibration Verification
CCV = Continuing Calibration Verification
SB = Storage Blank
MS = Matrix Spike
MSD = Matrix Spike Duplicate
MD = Matrix Duplicate
BS = Blank Spike
SS = Surrogate Spike
LCS = Laboratory Control Standard
RS = Reference Standard

SUBCONTRACTED LABORATORY LOCATIONS

Core Laboratories:	Aurora, Colorado	*AU
	Casper, Wyoming	*CA
	Corpus Christi, Texas	*CC
	Edison, New Jersey	*ED
	Houston, Texas (Env)	*HE
	Houston, Texas (Pet)	*HP
	Indianapolis, Indiana	*IN
	Lake Charles, Louisiana	*LC
	Long Beach, California	*LB
	Valparaiso, Indiana	*VP
	Bakersfield, California	*BK

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CORE LABORATORIES, INC.

NO. 104/20

CHAIN OF CUSTODY RECORD

CUSTOMER INFORMATION	PROJECT INFORMATION
COMPANY: Fluor Daniel GTI	PROJECT NAME/NUMBER: 320 W. Lincoln / 023300635
SEND REPORT TO: KEN GREENE	BILLING INFORMATION
ADDRESS: 1100 E. University, #116 Tempe, AZ 85281	BILL TO: Same as customer
	ADDRESS:
PHONE (602) 966-0808	PHONE:
FAX (602) 894-0955	FAX: PO NO.: 397785

LAB JOB NO. 983257

ANALYSIS / METHOD REQUEST: EPA 601/602

SAMPLE NO.	SAMPLE DESCRIPTION	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER	PRESERV.	NUMBER OF CONTAINERS	EPA 601/602							REMARKS / PRECAUTIONS
1	EB1	6/29/98	1045	H_2O	VOA	HCl	2	X							
2	MC-02	6/29/98	1115	H_2O	VOA	HCl	2	X							
3	MC-05	6/29/98	1150	H_2O	VOA	HCl	2	X							
4	MC-04	6/29/98	1225	H_2O	VOA	HCl	2	X							
5	MC-01	6/29/98	1300	H_2O	VOA	HCl	2	X							
6	ADEQ MW4	6/29/98	1345	H_2O	VOA	HCl	2	X							
7	MC-03	6/30/98	0900	H_2O	VOA	HCl	2	X							
8	EW-01	6/30/98	0940	H_2O	VOA	HCl	2	X							
9	PZ-01	6/30/98	0955	H_2O	VOA	HCl	2	X							
10	BD	6/30/98	—	H_2O	VOA	HCl	2	X							

SAMPLER: Derek Foehr SHIPMENT METHOD: FEDEX AIRBILL NO.: 801253064351

REQUIRED TURNAROUND:* ☐ SAME DAY ☐ 24 HOURS ☐ 48 HOURS ☐ 72 HOURS ☐ 5 DAYS ☐ 10 DAYS ☒ ROUTINE OTHER

1. RELINQUISHED BY:	DATE	2. RELINQUISHED BY:	DATE	3. RELINQUISHED BY:	DATE
SIGNATURE: Derek Foehr	6/30/98	SIGNATURE:		SIGNATURE:	
PRINTED NAME/COMPANY: DEREK FOEHR / FLUOR DANIEL GTI	TIME PM	PRINTED NAME/COMPANY:	TIME	PRINTED NAME/COMPANY:	TIME
1. RECEIVED BY:	DATE	2. RECEIVED BY:	DATE	3. RECEIVED BY:	DATE
SIGNATURE: [signature]	07/01/98	SIGNATURE:		SIGNATURE:	
PRINTED NAME/COMPANY: Anh Bui / CORE	TIME 1030	PRINTED NAME/COMPANY:	TIME	PRINTED NAME/COMPANY:	TIME

* RUSH TURNAROUND MAY REQUIRE SURCHARGE

☒ Anaheim, CA
1250 E. Gene Autry Way
Anaheim,CA 92805
(714) 937-1094 Fax (714) 937-1170

☐ Aurora, CO
10703 E. Bethany Drive
Aurora, CO 80014
(303) 751-1780 Fax (303) 751-1784

☐ Casper, WY
420 W. First Street
Casper, WY 82601
(307) 235-5741 Fax (307) 266-1676

☐ Corpus Christi, TX
1733 N. Padre Island Drive
Corpus Christi, TX 78408
(512) 289-2673 Fax (512) 289-2471

☐ Edison, NJ
284 Raritan Center Parkway
Edison, NJ 08837
(908) 225-6700 Fax (908) 225-6777

☐ Houston, TX (Env)
6310 Rothway Drive
Houston, TX 77040
(713) 690-4444 Fax (713) 690-5646

☐ Houston, TX (Pet)
8210 Mosley Road
Houston, TX 77075
(713) 943-9776 Fax (713) 943-3846

☐ Indianapolis, IN
7726 Moller Road
Indianapolis,IN 46268
(317) 875-5894 Fax (317) 872-6189

☐ Lake Charles, LA
3645 Beglis Parkway
Sulphur, LA 70663
(318) 583-4926 Fax (318) 583-4929

☐ Long Beach, CA
3700 Cherry Avenue
Long Beach, CA 90807
(310) 595-8401 Fax (310) 427-5174

☐ Tampa, FL
5460 Beaumont Center Blvd.
Tampa, FL 33634
(813)884-8268 Fax (813) 885-4938

☐ Valparaiso, IN
2400 Cumberland Drive
Valparaiso, IN 46383
(219) 464-2389 Fax (219) 462-2953

CORELAB

CORE LABORATORIES, INC.

NO.

CHAIN OF CUSTODY RECORD

CUSTOMER INFORMATION	PROJECT INFORMATION
COMPANY: Fluor Daniel GTI	PROJECT NAME/NUMBER: 320 W. Lincoln / 023300635
SEND REPORT TO: Ken Greene	**BILLING INFORMATION**
ADDRESS: 1100 E. University, #116	BILL TO: Same as customer
Tempe, AZ 85281	ADDRESS:
PHONE: (602) 966-0808	PHONE:
FAX: (602) 894-0955	FAX: PO NO.: 397785

LAB JOB NO. 98.3257

SAMPLE NO.	SAMPLE DESCRIPTION	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER	PRESERV.	NUMBER OF CONTAINERS	ANALYSIS / METHOD REQUEST: EPA 601/602	REMARKS / PRECAUTIONS
11	FB	6/30/98	1010	H_2O	VOA	HCl	2	X	
12	BT	6/30/98	1020	H_2O	VOA	HCl	2	X	72 hr TAT

SAMPLER: Daniel Foehr

SHIPMENT METHOD: FEDEX

AIRBILL NO.: 801253064351

REQUIRED TURNAROUND:* ☐ SAME DAY ☐ 24 HOURS ☐ 48 HOURS ☒ 72 HOURS ☐ 5 DAYS ☐ 10 DAYS ☒ ROUTINE OTHER

1. RELINQUISHED BY:	DATE	2. RELINQUISHED BY:	DATE	3. RELINQUISHED BY:	DATE
SIGNATURE: Daniel Foehr	6/30/98	SIGNATURE:		SIGNATURE:	
PRINTED NAME/COMPANY: DETER FOEHR / FLUOR DANIEL GTI	TIME: PM	PRINTED NAME/COMPANY:	TIME	PRINTED NAME/COMPANY:	TIME
1. RECEIVED BY:	DATE	2. RECEIVED BY:	DATE	3. RECEIVED BY:	DATE
SIGNATURE: Brian Bui	07/01/98	SIGNATURE:		SIGNATURE:	
PRINTED NAME/COMPANY: Andy Bui / CORE	TIME: 1030	PRINTED NAME/COMPANY:	TIME	PRINTED NAME/COMPANY:	TIME

* RUSH TURNAROUND MAY REQUIRE SURCHARGE

Anaheim, CA
1250 E. Gene Autry Way
Anaheim,CA 92805
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☐ Aurora, CO
10703 E. Bethany Drive
Aurora, CO 80014
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☐ Casper, WY
420 W. First Street
Casper, WY 82601
(307) 235-5741 Fax (307) 266-1676

☐ Corpus Christi, TX
1733 N. Padre Island Drive
Corpus Christi, TX 78408
(512) 289-2673 Fax (512) 289-2471

☐ Edison, NJ
284 Raritan Center Parkway
Edison, NJ 08837
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☐ Houston, TX (Env)
6310 Rothway Drive
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☐ Houston, TX (Pet)
8210 Mosley Road
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Indianapolis,IN 46268
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Geraghty & Miller Inc.
8222 S. 48th St., Ste. 140
Phoenix, AZ 85044
Attention: Lance Indergard

Client Project ID: AZ0407003

Report Number: PHC02121

Sampled: Mar 30, 1998
Received: Mar 31, 1998
Extracted: Apr 3-10, 1998
Analyzed: Apr 3-10, 1998
Reported: Apr 6-14, 1998

CASE NARRATIVE

LABORATORY NUMBER	SAMPLE DESCRIPTION	SAMPLE MATRIX	EPA ANALYSES
PHC02121	MW-4	Water	418.1 & 503.1
PHC02122	MW-3	Water	418.1 & 503.1
PHC02123	MW-2	Water	418.1 & 503.1
PHC02124	MW-1	Water	418.1 & 503.1
PHC02125	Trip Blank	Water	503.1

SAMPLE RECEIPT: Samples were received intact, on ice, and with chain of custody documentation.

HOLDING TIMES: Holding times were met.

PRESERVATION: Samples requiring preservation were verified prior to sample analysis.

PROBLEMS ENCOUNTERED: No problems were encountered during sample analysis.

QA/QC CRITERIA: All QA/QC met acceptance criteria.

OBSERVATIONS: No significant observations were made.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

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Geraghty & Miller Inc.
8222 S. 48th St., Ste. 140
Phoenix, AZ 85044
Attention: Lance Indergard

Client Project ID: AZ0407003

Analysis Method: EPA 418.1 (I.R. with clean-up)
First Sample #: PHC02121

Sampled: Mar 30, 1998
Received: Mar 31, 1998
Extracted: Apr 3, 1998
Analyzed: Apr 3, 1998
Reported: Apr 6, 1998

TOTAL RECOVERABLE PETROLEUM HYDROCARBONS (EPA 418.1)

Laboratory Number	Sample Description	Petroleum Hydrocarbons
	Water	mg/L (ppm)
PHC02121	MW-4	N.D.
PHC02122	MW-3	N.D.
PHC02123	MW-2	N.D.
PHC02124	MW-1	N.D.

Reporting Limit:	1.0

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

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Geraghty & Miller Inc.
8222 S. 48th St., Ste. 140
Phoenix, AZ 85044
Attention: Lance Indergard

Client Project ID: AZ0407003
Sample Descript: Water, MW-4
Lab Number: PHC02121

Sampled: Mar 30, 1998
Received: Mar 31, 1998
Extracted: Apr 10, 1998
Analyzed: Apr 10, 1998
Reported: Apr 14, 1998

VOLATILE AROMATIC AND UNSATURATED ORGANIC COMPOUNDS (EPA 503.1)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Benzene	0.50	N.D.
Bromobenzene	0.50	N.D.
n-Butylbenzene	0.50	N.D.
sec-Butylbenzene	0.50	N.D.
tert-Butylbenzene	0.50	N.D.
Chlorobenzene	0.50	N.D.
2-Chlorotoluene	0.50	N.D.
4-Chlorotoluene	0.50	N.D.
1,2-Dichlorobenzene	0.50	N.D.
1,3-Dichlorobenzene	0.50	N.D.
1,4-Dichlorobenzene	0.50	N.D.
Ethylbenzene	0.50	N.D.
Hexachlorobutadiene	0.50	N.D.
Isopropylbenzene	0.50	N.D.
p-Isopropyltoluene	0.50	N.D.
Napthalene	0.50	N.D.
n-Propylbenzene	0.50	N.D.
Styrene	0.50	N.D.
Tetrachloroethene	**0.50**	**4.9**
Toluene	0.50	N.D.
1,2,3-Trichlorobenzene	0.50	N.D.
1,2,4-Trichlorobenzene	0.50	N.D.
Trichloroethene	**0.50**	**3.0**
1,2,4-Trimethylbenzene	0.50	N.D.
1,3,5-Trimethylbenzene	0.50	N.D.
o-Xylene	0.50	N.D.
m,p-Xylenes	0.50	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recovery:	
aaa-Trifluorotoluene	104%

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Geraghty & Miller Inc.
8222 S. 48th St., Ste. 140
Phoenix, AZ 85044
Attention: Lance Indergard

Client Project ID: AZ0407003
Sample Descript: Water, MW-3
Lab Number: PHC02122

Sampled: Mar 30, 1998
Received: Mar 31, 1998
Extracted: Apr 10, 1998
Analyzed: Apr 10, 1998
Reported: Apr 14, 1998

VOLATILE AROMATIC AND UNSATURATED ORGANIC COMPOUNDS (EPA 503.1)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Benzene	**0.50**	**1.7**
Bromobenzene	0.50	N.D.
n-Butylbenzene	0.50	N.D.
sec-Butylbenzene	0.50	N.D.
tert-Butylbenzene	0.50	N.D.
Chlorobenzene	0.50	N.D.
2-Chlorotoluene	0.50	N.D.
4-Chlorotoluene	0.50	N.D.
1,2-Dichlorobenzene	0.50	N.D.
1,3-Dichlorobenzene	0.50	N.D.
1,4-Dichlorobenzene	0.50	N.D.
Ethylbenzene	**0.50**	**10**
Hexachlorobutadiene	0.50	N.D.
Isopropylbenzene	**0.50**	**2.8**
p-Isopropyltoluene	0.50	N.D.
Napthalene	**0.50**	**31**
n-Propylbenzene	**0.50**	**1.3**
Styrene	0.50	N.D.
Tetrachloroethene.	**0.50**	**7.9**
Toluene	0.50	N.D.
1,2,3-Trichlorobenzene	0.50	N.D.
1,2,4-Trichlorobenzene	0.50	N.D.
Trichloroethene	**0.50**	**2.2**
1,2,4-Trimethylbenzene	**0.50**	**1.1**
1,3,5-Trimethylbenzene	0.50	N.D.
o-Xylene	0.50	N.D.
m,p-Xylenes	**0.50**	**0.61**

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recovery:	
aaa-Trifluorotoluene	106%

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Geraghty & Miller Inc.
8222 S. 48th St., Ste. 140
Phoenix, AZ 85044
Attention: Lance Indergard

Client Project ID: AZ0407003
Sample Descript: Water, MW-2
Lab Number: PHC02123

Sampled: Mar 30, 1998
Received: Mar 31, 1998
Extracted: Apr 10, 1998
Analyzed: Apr 10, 1998
Reported: Apr 14, 1998

VOLATILE AROMATIC AND UNSATURATED ORGANIC COMPOUNDS (EPA 503.1)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Benzene	**0.50**	**0.63**
Bromobenzene	0.50	N.D.
n-Butylbenzene	0.50	N.D.
sec-Butylbenzene	0.50	N.D.
tert-Butylbenzene	0.50	N.D.
Chlorobenzene	0.50	N.D.
2-Chlorotoluene	0.50	N.D.
4-Chlorotoluene	0.50	N.D.
1,2-Dichlorobenzene	0.50	N.D.
1,3-Dichlorobenzene	0.50	N.D.
1,4-Dichlorobenzene	0.50	N.D.
Ethylbenzene	0.50	N.D.
Hexachlorobutadiene	0.50	N.D.
Isopropylbenzene	0.50	N.D.
p-Isopropyltoluene	0.50	N.D.
Napthalene	**0.50**	**0.60**
n-Propylbenzene	**0.50**	**1.3**
Styrene	0.50	N.D.
Tetrachloroethene.	**0.50**	**1.1**
Toluene	0.50	N.D.
1,2,3-Trichlorobenzene	0.50	N.D.
1,2,4-Trichlorobenzene	0.50	N.D.
Trichloroethene	**0.50**	**1.2**
1,2,4-Trimethylbenzene	0.50	N.D.
1,3,5-Trimethylbenzene	0.50	N.D.
o-Xylene	0.50	N.D.
m,p-Xylenes	0.50	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recovery:	
aaa-Trifluorotoluene	103%

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Geraghty & Miller Inc.
8222 S. 48th St., Ste. 140
Phoenix, AZ 85044
Attention: Lance Indergard

Client Project ID: AZ0407003
Sample Descript: Water, MW-1
Lab Number: PHC02124

Sampled: Mar 30, 1998
Received: Mar 31, 1998
Extracted: Apr 10, 1998
Analyzed: Apr 10, 1998
Reported: Apr 14, 1998

VOLATILE AROMATIC AND UNSATURATED ORGANIC COMPOUNDS (EPA 503.1)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Benzene	0.50	N.D.
Bromobenzene	0.50	N.D.
n-Butylbenzene	0.50	N.D.
sec-Butylbenzene	0.50	N.D.
tert-Butylbenzene	0.50	N.D.
Chlorobenzene	0.50	N.D.
2-Chlorotoluene	0.50	N.D.
4-Chlorotoluene	0.50	N.D.
1,2-Dichlorobenzene	0.50	N.D.
1,3-Dichlorobenzene	0.50	N.D.
1,4-Dichlorobenzene	0.50	N.D.
Ethylbenzene	**0.50**	**0.91**
Hexachlorobutadiene	0.50	N.D.
Isopropylbenzene	**0.50**	**1.1**
p-Isopropyltoluene	0.50	N.D.
Napthalene	**0.50**	**2.2**
n-Propylbenzene	0.50	N.D.
Styrene	0.50	N.D.
Tetrachloroethene.	**0.50**	**9.4**
Toluene	0.50	N.D.
1,2,3-Trichlorobenzene	0.50	N.D.
1,2,4-Trichlorobenzene	0.50	N.D.
Trichloroethene	**0.50**	**2.1**
1,2,4-Trimethylbenzene	0.50	N.D.
1,3,5-Trimethylbenzene	0.50	N.D.
o-Xylene	0.50	N.D.
m,p-Xylenes	0.50	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recovery:	
aaa-Trifluorotoluene	104%

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-3401

Geraghty & Miller Inc.
8222 S. 48th St., Ste. 140
Phoenix, AZ 85044
Attention: Lance Indergard

Client Project ID: AZ0407003
Sample Descript: Water, Trip Blank
Lab Number: PHC02125

Sampled: Mar 30, 1998
Received: Mar 31, 1998
Extracted: Apr 10, 1998
Analyzed: Apr 10, 1998
Reported: Apr 14, 1998

VOLATILE AROMATIC AND UNSATURATED ORGANIC COMPOUNDS (EPA 503.1)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Benzene	0.50	N.D.
Bromobenzene	0.50	N.D.
n-Butylbenzene	0.50	N.D.
sec-Butylbenzene	0.50	N.D.
tert-Butylbenzene	0.50	N.D.
Chlorobenzene	0.50	N.D.
2-Chlorotoluene	0.50	N.D.
4-Chlorotoluene	0.50	N.D.
1,2-Dichlorobenzene	0.50	N.D.
1,3-Dichlorobenzene	0.50	N.D.
1,4-Dichlorobenzene	0.50	N.D.
Ethylbenzene	0.50	N.D.
Hexachlorobutadiene	0.50	N.D.
Isopropylbenzene	0.50	N.D.
p-Isopropyltoluene	0.50	N.D.
Napthalene	0.50	N.D.
n-Propylbenzene	0.50	N.D.
Styrene	0.50	N.D.
Tetrachloroethene	0.50	N.D.
Toluene	0.50	N.D.
1,2,3-Trichlorobenzene	0.50	N.D.
1,2,4-Trichlorobenzene	0.50	N.D.
Trichloroethene	0.50	N.D.
1,2,4-Trimethylbenzene	0.50	N.D.
1,3,5-Trimethylbenzene	0.50	N.D.
o-Xylene	0.50	N.D.
m,p-Xylenes	0.50	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recovery:	
aaa-Trifluorotoluene	106%

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-3401

Geraghty & Miller Inc.
8222 S. 48th St., Ste. 140
Phoenix, AZ 85044
Attention: Lance Indergard

Method Blank

Extracted: Apr 3, 1998
Analyzed: Apr 3, 1998
Reported: Apr 6, 1998
Matrix: Water

TOTAL RECOVERABLE PETROLEUM HYDROCARBONS (EPA 418.1)

Laboratory Description	Petroleum Hydrocarbons mg/L (ppm)
Method Blank	N.D.

Reporting Limit:	1.0

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

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Geraghty & Miller Inc.
8222 S. 48th St., Ste. 140
Phoenix, AZ 85044
Attention: Lance Indergard

Method Blank

Extracted: Apr 10, 1998
Analyzed: Apr 10, 1998
Reported: Apr 14, 1998
Matrix: Water

VOLATILE AROMATIC AND UNSATURATED ORGANIC COMPOUNDS (EPA 503.1)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Benzene	0.50	N.D.
Bromobenzene	0.50	N.D.
n-Butylbenzene	0.50	N.D.
sec-Butylbenzene	0.50	N.D.
tert-Butylbenzene	0.50	N.D.
Chlorobenzene	0.50	N.D.
2-Chlorotoluene	0.50	N.D.
4-Chlorotoluene	0.50	N.D.
1,2-Dichlorobenzene	0.50	N.D.
1,3-Dichlorobenzene	0.50	N.D.
1,4-Dichlorobenzene	0.50	N.D.
Ethylbenzene	0.50	N.D.
Hexachlorobutadiene	0.50	N.D.
Isopropylbenzene	0.50	N.D.
p-Isopropyltoluene	0.50	N.D.
Napthalene	0.50	N.D.
n-Propylbenzene	0.50	N.D.
Styrene	0.50	N.D.
Tetrachloroethene	0.50	N.D.
Toluene	0.50	N.D.
1,2,3-Trichlorobenzene	0.50	N.D.
1,2,4-Trichlorobenzene	0.50	N.D.
Trichloroethene	0.50	N.D.
1,2,4-Trimethylbenzene	0.50	N.D.
1,3,5-Trimethylbenzene	0.50	N.D.
o-Xylene	0.50	N.D.
m,p-Xylenes	0.50	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recovery:	
aaa-Trifluorotoluene	106%

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MS/MSD DATA REPORT

EPA METHOD: 418.1
Matrix: Water

DATE: 4/3/98

SAMPLE # PHC02142

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppm	ppm	ppm	ppm	%	%	%	%
Hydrocarbons	0	6.0	5.1	5.1	85%	85%	0.0%	85%

Definition of Terms:

R1. . . . . Result of Sample Analysis

Sp. . . . . Spike Concentration Added to Sample

MS. . . . . Matrix Spike Result

MSD. . . . . Matrix Spike Duplicate Result

PR1. . . . . Percent Recovery of MS; ((MS-R1) / SP) X 100

PR2. . . . . Percent Recovery of MSD; ((MSD-R1) / SP) X 100

RPD. . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

QA/QC CRITERIA: All QA/QC was within acceptance limits.

Del Mar Analytical

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LCS DATA REPORT

EPA Method 502.2

Matrix: Water

Date: 04/10/98

Batch #: HD105A1W

Analyte	Spike Conc.	Result	% Recovery	ACP
Benzene	5.0	5.1	101	80 - 120 %
Chloroform	5.0	5.3	106	80 - 120 %
1,1-Dichloroethane	5.0	4.5	89	80 - 120 %
1,2-Dichloroethane	5.0	6.8	135	80 - 120 %
1,1-Dichloroethene	5.0	4.3	87	80 - 120 %
Tetrachloroethene	5.0	5.6	112	80 - 120 %
Toluene	5.0	5.4	108	80 - 120 %
Trichloroethene	5.0	5.2	104	80 - 120 %

Definition of Terms

LCS ..... Laboratory Control Sample

Spike Conc ..... Result of Sample Analysis

Result ..... Result of Laboratory Control Sample Analysis

%Recovery ..... Percent Recovery of LCS; ((Result - Spike Conc.) / Spike Conc.) X 100

ACP ..... Acceptance Limits for Percent Recovery by EPA Method 502.2

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& MILLER, INC.
Environmental Services

Laboratory Task Order No. _____

CHAIN-OF-CUSTODY RECORD

Page _____ of _____

Project Number AZ0407003

Project Location MOBEST

Laboratory DEL MAR

Sampler(s)/Affiliation M Sarko

SAMPLE IDENTITY	Code	Date/Time Sampled	Lab ID	SAMPLE BOTTLE / CONTAINER DESCRIPTION: 2x40ml \ VOA	503.1 2x500ml \ Amber	418.1	4						TOTAL
MW4	L	3-30-98 1107		2	2								4
MW3	L	3-30-98 1147		2	2								4
MW2	L	3-30-98 1155		2	2								4
MW1	L	3-30-98 120		2	2								4
TRIP BLANK	L			1									1

Sample Code: L = Liquid; S = Solid; A = Air

Total No. of Bottles/ Containers: 17

Relinquished by: Mark Sarko	Organization: G&M	Date 3 30 98	Time 0902	Seal Intact?	
Received by: D. Richardson	Organization: Del Mar	Date 3 31 98	Time 0900	(Yes) No N/A	
Relinquished by: D. Richardson	Organization: Del Mar	Date 3 31 98	Time 0927	Seal Intact?	
Received by: K Eh	Organization: DMAP	Date 3 31 98	Time 0927	(Yes) No N/A	

Special Instructions/Remarks: IF 418.1 HAS HIT RUN 8015 DR

STANDARD TAT per Mark Sarko @ GMI 3/31 JM

Delivery Method: ☐ In Person ☐ Common Carrier _____ SPECIFY ☑ Lab Courier ☐ Other _____ SPECIFY

G&M Form 09.9.91

McKENZIE
LABORATORIES

3725 E. Atlanta Ave
Suite One
Phoenix, AZ 85040
Voice: (602) 470-0288
FAX: (602) 470-0756
ADHS License AZ 0034

May 05, 1998

Steve Smelser
GEC, Inc.
2447 W. 12th Street Suite 4
Tempe, AZ 85281
TEL: (602) 966-8631
FAX: (602) 966-8821

RE: 94-0069I

Work Order No.: 9804142

Dear Steve Smelser,

McKenzie Laboratories, Inc. received 6 samples on 4/14/98 4:56:00 PM for the analyses presented in the following report.

The Case Narrative of this report addresses any Quality Control and/or Quality Assurance issues associated with this Work Order.

If you have any questions regarding these test results, please feel free to call.

Sincerely,

Laboratory Representative

McKENZIE LABORATORIES

3725 E. Atlanta Ave.
Suite One
Phoenix, AZ 85040
Voice: (602) 470-0288
FAX: (602) 470-0756
ADHS License AZ 0034

Client: GEC, Inc.
Work Order: 9804142
Project Name:
Project Number: 94-0069I

Date Printed: 05-May-98

CASE NARRATIVE

McKenzie Laboratories, Inc. uses the methods outlined in the following references:

Code of Federal Regulations, 40CFR, Part 136, Revised July 1995.

Standard Methods for the Examination of Water and Wastewater, 19th Edition, 1995.

Methods for Chemical Analysis of Water and Wastes, EPA-600/4-79-020, Revised March 1983.

Methods for the Determination of Inorganic Substances in Environmental Samples, EPA/600/R-93/100, Revised August 1993.

Methods for the Determination of Metals in Environmental Samples, EPA/600/R-94/111, Revised May 1994.

Hach, Water Analysis Handbook, 2nd Edition, 1992.

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, 3rd Edition.

All method blanks, laboratory spikes, and/or matrix spikes met quality control objectives for the parameters associated with this Work Order.

McKENZIE LABORATORIES

Date Printed: 05-May-98

CLIENT: GEC, Inc.
Project Name:
Project Number: 94-0069I
Work Order: 9804142
Date Received: 14-Apr-98

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Test Code	Collection Date
9804142-01A	PS-5	EPA601	4/14/98 2:53:00 PM
9804142-02A	PS-8	EPA601	4/14/98 12:18:00 PM
9804142-03A	PS-9	EPA601	4/14/98 9:57:00 AM
9804142-04A	PS-15	EPA601	4/14/98 11:08:00 AM
9804142-05A	Equipment Blank	EPA601	4/14/98 3:21:00 PM
9804142-06A	Trip Blank	EPA601	4/14/98

McKENZIE LABORATORIES

Date Printed: 05-May-98

CLIENT: GEC, Inc.
Work Order: 9804142
Lab ID: 9804142-01
Project Name:
Project Number: 94-0069I

Client Sample ID: PS-5
Collection Date: 4/14/98 2:53:00 PM
Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Bromodichloromethane	<0.5	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
Bromoform	<1.0	1.0		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
Bromomethane	<5.0	5.0		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
Carbon tetrachloride	<0.5	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
Chlorobenzene	<0.5	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
Chloroethane	<0.5	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
2-Chloroethylvinylether	<5.0	5.0		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
`hloroform	11	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
Chloromethane	<0.5	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
Dibromochloromethane	<0.5	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
1,2-Dichlorobenzene	<0.5	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
1,3-Dichlorobenzene	<0.5	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
1,4-Dichlorobenzene	<0.5	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
Dichlorodifluoromethane	22	1.0		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
1,1-Dichloroethane	<0.5	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
1,2-Dichloroethane	<0.5	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
1,1-Dichloroethene	<0.5	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
cis-1,2-Dichloroethene	<0.5	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
trans-1,2-Dichloroethene	<0.5	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
1,2-Dichloropropane	<0.5	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
cis-1,3-Dichloropropene	<0.5	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
trans-1,3-Dichloropropene	<0.5	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
Methylene chloride	<2.0	2.0		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
' 1,2,2-Tetrachloroethane	<0.5	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
,trachloroethene	12	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
1,1,1-Trichloroethane	<0.5	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
1,1,2-Trichloroethane	<0.5	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
Trichloroethene	2.0	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
Trichlorofluoromethane	<1.0	1.0		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
Trichlorotrifluoroethane	<5.0	5.0		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
Vinyl chloride	<0.5	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
1-Chloro-4-fluorobenzene (ELCD)	121	70-130		%REC	1	EPA601	N/A	4/20/98	CT	280420A

Qualifiers:

S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
H - Analyzed past EPA recommended Holding Time
X - Value exceeds Maximum Contaminant Level
R - RPD outside accepted recovery limits
E - Value above quantitation range
D - Surrogate diluted out

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McKENZIE LABORATORIES

Date Printed: 05-May-98

CLIENT: GEC, Inc.
Work Order: 9804142
Lab ID: 9804142-02
Project Name:
Project Number: 94-0069I

Client Sample ID: PS-8
Collection Date: 4/14/98 12:18:00 PM
Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Bromodichloromethane	<0.5	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
Bromoform	<1.0	1.0		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
Bromomethane	<5.0	5.0		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
Carbon tetrachloride	<0.5	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
Chlorobenzene	<0.5	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
Chloroethane	<0.5	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
2-Chloroethylvinylether	<5.0	5.0		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
Chloroform	4.8	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
Chloromethane	<0.5	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
Dibromochloromethane	<0.5	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
1,2-Dichlorobenzene	<0.5	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
1,3-Dichlorobenzene	<0.5	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
1,4-Dichlorobenzene	<0.5	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
Dichlorodifluoromethane	1.8	1.0		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
1,1-Dichloroethane	0.9	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
1,2-Dichloroethane	0.6	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
1,1-Dichloroethene	1.9	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
cis-1,2-Dichloroethene	2.6	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
trans-1,2-Dichloroethene	<0.5	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
1,2-Dichloropropane	<0.5	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
cis-1,3-Dichloropropene	<0.5	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
trans-1,3-Dichloropropene	<0.5	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
Methylene chloride	<2.0	2.0		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
1,1,2,2-Tetrachloroethane	<0.5	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
Tetrachloroethene	19	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
1,1,1-Trichloroethane	0.7	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
1,1,2-Trichloroethane	<0.5	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
Trichloroethene	54	1.0		µg/L	2	EPA601	N/A	4/21/98	CT	280421A
Trichlorofluoromethane	<1.0	1.0		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
Trichlorotrifluoroethane	<5.0	5.0		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
Vinyl chloride	<0.5	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
1-Chloro-4-fluorobenzene (ELCD)	118	70-130		%REC	1	EPA601	N/A	4/20/98	CT	280420A

Qualifiers:

S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
H - Analyzed past EPA recommended Holding Time
X - Value exceeds Maximum Contaminant Level
R - RPD outside accepted recovery limits
E - Value above quantitation range
D - Surrogate diluted out

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McKENZIE LABORATORIES

Date Printed: 05-May-98

CLIENT: GEC, Inc.
Work Order: 9804142
Lab ID: 9804142-03
Project Name:
Project Number: 94-0069I

Client Sample ID: PS-9
Collection Date: 4/14/98 9:57:00 AM
Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Bromodichloromethane	<0.5	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
Bromoform	<1.0	1.0		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
Bromomethane	<5.0	5.0		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
Carbon tetrachloride	<0.5	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
Chlorobenzene	<0.5	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
Chloroethane	<0.5	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
2-Chloroethylvinylether	<5.0	5.0		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
Chloroform	4.8	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
Chloromethane	<0.5	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
Dibromochloromethane	<0.5	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
1,2-Dichlorobenzene	<0.5	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
1,3-Dichlorobenzene	<0.5	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
1,4-Dichlorobenzene	<0.5	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
Dichlorodifluoromethane	3.9	1.0		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
1,1-Dichloroethane	<0.5	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
1,2-Dichloroethane	0.6	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
1,1-Dichloroethene	<0.5	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
cis-1,2-Dichloroethene	<0.5	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
trans-1,2-Dichloroethene	<0.5	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
1,2-Dichloropropane	<0.5	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
cis-1,3-Dichloropropene	<0.5	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
trans-1,3-Dichloropropene	<0.5	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
Methylene chloride	<2.0	2.0		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
1,1,2,2-Tetrachloroethane	<0.5	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
Tetrachloroethene	13	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
1,1,1-Trichloroethane	<0.5	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
1,1,2-Trichloroethane	<0.5	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
Trichloroethene	11	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
Trichlorofluoromethane	<1.0	1.0		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
Trichlorotrifluoroethane	<5.0	5.0		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
Vinyl chloride	<0.5	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
1-Chloro-4-fluorobenzene (ELCD)	118	70-130		%REC	1	EPA601	N/A	4/20/98	CT	280420A

Qualifiers:

S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
H - Analyzed past EPA recommended Holding Time
X - Value exceeds Maximum Contaminant Level
R - RPD outside accepted recovery limits
E - Value above quantitation range
D - Surrogate diluted out

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McKENZIE LABORATORIES

Date Printed: 05-May-98

CLIENT: GEC, Inc.
Work Order: 9804142
Lab ID: 9804142-04
Project Name:
Project Number: 94-0069I

Client Sample ID: PS-15
Collection Date: 4/14/98 11:08:00 AM
Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Bromodichloromethane	<0.5	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
Bromoform	<1.0	1.0		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
Bromomethane	<5.0	5.0		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
Carbon tetrachloride	<0.5	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
Chlorobenzene	<0.5	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
Chloroethane	<0.5	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
2-Chloroethylvinylether	<5.0	5.0		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
Chloroform	11	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
Chloromethane	<0.5	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
Dibromochloromethane	<0.5	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
1,2-Dichlorobenzene	<0.5	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
1,3-Dichlorobenzene	<0.5	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
1,4-Dichlorobenzene	<0.5	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
Dichlorodifluoromethane	24	1.0		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
1,1-Dichloroethane	<0.5	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
1,2-Dichloroethane	<0.5	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
1,1-Dichloroethene	<0.5	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
cis-1,2-Dichloroethene	<0.5	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
trans-1,2-Dichloroethene	<0.5	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
1,2-Dichloropropane	<0.5	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
cis-1,3-Dichloropropene	<0.5	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
trans-1,3-Dichloropropene	<0.5	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
Methylene chloride	<2.0	2.0		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
1,1,2,2-Tetrachloroethane	<0.5	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
Tetrachloroethene	11	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
1,1,1-Trichloroethane	<0.5	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
1,1,2-Trichloroethane	<0.5	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
Trichloroethene	1.9	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
Trichlorofluoromethane	<1.0	1.0		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
Trichlorotrifluoroethane	<5.0	5.0		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
Vinyl chloride	<0.5	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
1-Chloro-4-fluorobenzene (ELCD)	115	70-130		%REC	1	EPA601	N/A	4/20/98	CT	280420A

Qualifiers:

S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
H - Analyzed past EPA recommended Holding Time
X - Value exceeds Maximum Contaminant Level
R - RPD outside accepted recovery limits
E - Value above quantitation range
D - Surrogate diluted out

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McKENZIE LABORATORIES

Date Printed: 05-May-98

CLIENT: GEC, Inc.
Work Order: 9804142
Lab ID: 9804142-05
Project Name:
Project Number: 94-0069I

Client Sample ID: Equipment Blank
Collection Date: 4/14/98 3:21:00 PM
Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Bromodichloromethane	<0.5	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
Bromoform	<1.0	1.0		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
Bromomethane	<5.0	5.0		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
Carbon tetrachloride	<0.5	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
Chlorobenzene	<0.5	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
Chloroethane	<0.5	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
2-Chloroethylvinylether	<5.0	5.0		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
Chloroform	<0.5	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
Chloromethane	<0.5	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
Dibromochloromethane	<0.5	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
1,2-Dichlorobenzene	<0.5	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
1,3-Dichlorobenzene	<0.5	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
1,4-Dichlorobenzene	<0.5	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
Dichlorodifluoromethane	<1.0	1.0		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
1,1-Dichloroethane	<0.5	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
1,2-Dichloroethane	<0.5	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
1,1-Dichloroethene	<0.5	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
cis-1,2-Dichloroethene	<0.5	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
trans-1,2-Dichloroethene	<0.5	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
1,2-Dichloropropane	<0.5	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
cis-1,3-Dichloropropene	<0.5	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
trans-1,3-Dichloropropene	<0.5	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
Methylene chloride	<2.0	2.0		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
1,1,2,2-Tetrachloroethane	<0.5	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
Tetrachloroethene	<0.5	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
1,1,1-Trichloroethane	<0.5	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
1,1,2-Trichloroethane	<0.5	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
Trichloroethene	<0.5	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
Trichlorofluoromethane	<1.0	1.0		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
Trichlorotrifluoroethane	<5.0	5.0		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
Vinyl chloride	<0.5	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
1-Chloro-4-fluorobenzene (ELCD)	122	70-130		%REC	1	EPA601	N/A	4/20/98	CT	280420A

Qualifiers:

S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
H - Analyzed past EPA recommended Holding Time
X - Value exceeds Maximum Contaminant Level
R - RPD outside accepted recovery limits
E - Value above quantitation range
D - Surrogate diluted out

Confidential and Privileged

McKENZIE LABORATORIES

Date Printed: 05-May-98

CLIENT: GEC, Inc.
Work Order: 9804142
Lab ID: 9804142-06
Project Name:
Project Number: 94-0069I

Client Sample ID: Trip Blank
Collection Date: 4/14/98
Matrix: TRIP BLANK

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Bromodichloromethane	<0.5	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
Bromoform	<1.0	1.0		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
Bromomethane	<5.0	5.0		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
Carbon tetrachloride	<0.5	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
Chlorobenzene	<0.5	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
Chloroethane	<0.5	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
2-Chloroethylvinylether	<5.0	5.0		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
Chloroform	<0.5	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
Chloromethane	<0.5	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
Dibromochloromethane	<0.5	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
1,2-Dichlorobenzene	<0.5	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
1,3-Dichlorobenzene	<0.5	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
1,4-Dichlorobenzene	<0.5	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
Dichlorodifluoromethane	<1.0	1.0		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
1,1-Dichloroethane	<0.5	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
1,2-Dichloroethane	<0.5	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
1,1-Dichloroethene	<0.5	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
cis-1,2-Dichloroethene	<0.5	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
trans-1,2-Dichloroethene	<0.5	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
1,2-Dichloropropane	<0.5	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
cis-1,3-Dichloropropene	<0.5	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
trans-1,3-Dichloropropene	<0.5	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
Methylene chloride	<2.0	2.0		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
1,1,2,2-Tetrachloroethane	<0.5	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
Tetrachloroethene	<0.5	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
1,1,1-Trichloroethane	<0.5	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
1,1,2-Trichloroethane	<0.5	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
Trichloroethene	<0.5	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
Trichlorofluoromethane	<1.0	1.0		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
Trichlorotrifluoroethane	<5.0	5.0		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
Vinyl chloride	<0.5	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
1-Chloro-4-fluorobenzene (ELCD)	114	70-130		%REC	1	EPA601	N/A	4/20/98	CT	280420A

Qualifiers:

S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
H - Analyzed past EPA recommended Holding Time
X - Value exceeds Maximum Contaminant Level
R - RPD outside accepted recovery limits
E - Value above quantitation range
D - Surrogate diluted out

Confidential and Privileged

McKENZIE LABORATORIES

Date: 05-May-98

CLIENT: GEC, Inc.
Work Order: 9804142
Project: 94-0069I

QC SUMMARY REPORT

Method Blank

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Bromodichloromethane	<0.5	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
Bromoform	<1.0	1.0		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
Bromomethane	<5.0	5.0		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
Carbon tetrachloride	<0.5	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
Chlorobenzene	<0.5	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
Chloroethane	<0.5	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
2-Chloroethylvinylether	<5.0	5.0		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
Chloroform	<0.5	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
Chloromethane	<0.5	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
`bromochloromethane	<0.5	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
.,2-Dichlorobenzene	<0.5	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
1,3-Dichlorobenzene	<0.5	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
1,4-Dichlorobenzene	<0.5	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
Dichlorodifluoromethane	<1.0	1.0		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
1,1-Dichloroethane	<0.5	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
1,2-Dichloroethane	<0.5	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
1,1-Dichloroethene	<0.5	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
cis-1,2-Dichloroethene	<0.5	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
trans-1,2-Dichloroethene	<0.5	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
1,2-Dichloropropane	<0.5	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
cis-1,3-Dichloropropene	<0.5	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
trans-1,3-Dichloropropene	<0.5	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
Methylene chloride	<2.0	2.0		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
1,1,2,2-Tetrachloroethane	<0.5	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
Tetrachloroethene	<0.5	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
1 1,1-Trichloroethane	<0.5	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
,2-Trichloroethane	<0.5	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
Trichloroethene	<0.5	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
Trichlorofluoromethane	<1.0	1.0		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
Trichlorotrifluoroethane	<5.0	5.0		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
Vinyl chloride	<0.5	0.5		µg/L	1	EPA601	N/A	4/20/98	CT	280420A
1-Chloro-4-fluorobenzene (ELCD)	123	70-130		%REC	1	EPA601	N/A	4/20/98	CT	280420A

Qualifiers:

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank
E - Value above quantitation range
H - Analyzed past EPA recommended Holding Time
D - Surrogate diluted out

Confidential and Privileged

McKENZIE LABORATORIES

Date: 05-May-98

CLIENT: GEC, Inc.
Work Order: 9804142
Project: 94-0069I

QC SUMMARY REPORT
Method Blank

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Bromodichloromethane	<0.5	0.5		µg/L	1	EPA601	N/A	4/21/98	CT	280421A
Bromoform	<1.0	1.0		µg/L	1	EPA601	N/A	4/21/98	CT	280421A
Bromomethane	<5.0	5.0		µg/L	1	EPA601	N/A	4/21/98	CT	280421A
Carbon tetrachloride	<0.5	0.5		µg/L	1	EPA601	N/A	4/21/98	CT	280421A
Chlorobenzene	<0.5	0.5		µg/L	1	EPA601	N/A	4/21/98	CT	280421A
Chloroethane	<0.5	0.5		µg/L	1	EPA601	N/A	4/21/98	CT	280421A
2-Chloroethylvinylether	<5.0	5.0		µg/L	1	EPA601	N/A	4/21/98	CT	280421A
Chloroform	<0.5	0.5		µg/L	1	EPA601	N/A	4/21/98	CT	280421A
Chloromethane	<0.5	0.5		µg/L	1	EPA601	N/A	4/21/98	CT	280421A
ibromochloromethane	<0.5	0.5		µg/L	1	EPA601	N/A	4/21/98	CT	280421A
1,2-Dichlorobenzene	<0.5	0.5		µg/L	1	EPA601	N/A	4/21/98	CT	280421A
1,3-Dichlorobenzene	<0.5	0.5		µg/L	1	EPA601	N/A	4/21/98	CT	280421A
1,4-Dichlorobenzene	<0.5	0.5		µg/L	1	EPA601	N/A	4/21/98	CT	280421A
Dichlorodifluoromethane	<1.0	1.0		µg/L	1	EPA601	N/A	4/21/98	CT	280421A
1,1-Dichloroethane	<0.5	0.5		µg/L	1	EPA601	N/A	4/21/98	CT	280421A
1,2-Dichloroethane	<0.5	0.5		µg/L	1	EPA601	N/A	4/21/98	CT	280421A
1,1-Dichloroethene	<0.5	0.5		µg/L	1	EPA601	N/A	4/21/98	CT	280421A
cis-1,2-Dichloroethene	<0.5	0.5		µg/L	1	EPA601	N/A	4/21/98	CT	280421A
trans-1,2-Dichloroethene	<0.5	0.5		µg/L	1	EPA601	N/A	4/21/98	CT	280421A
1,2-Dichloropropane	<0.5	0.5		µg/L	1	EPA601	N/A	4/21/98	CT	280421A
cis-1,3-Dichloropropene	<0.5	0.5		µg/L	1	EPA601	N/A	4/21/98	CT	280421A
trans-1,3-Dichloropropene	<0.5	0.5		µg/L	1	EPA601	N/A	4/21/98	CT	280421A
Methylene chloride	<2.0	2.0		µg/L	1	EPA601	N/A	4/21/98	CT	280421A
1,1,2,2-Tetrachloroethane	<0.5	0.5		µg/L	1	EPA601	N/A	4/21/98	CT	280421A
Tetrachloroethene	<0.5	0.5		µg/L	1	EPA601	N/A	4/21/98	CT	280421A
1,1-Trichloroethane	<0.5	0.5		µg/L	1	EPA601	N/A	4/21/98	CT	280421A
,1,2-Trichloroethane	<0.5	0.5		µg/L	1	EPA601	N/A	4/21/98	CT	280421A
Trichloroethene	<0.5	0.5		µg/L	1	EPA601	N/A	4/21/98	CT	280421A
Trichlorofluoromethane	<1.0	1.0		µg/L	1	EPA601	N/A	4/21/98	CT	280421A
Trichlorotrifluoroethane	<5.0	5.0		µg/L	1	EPA601	N/A	4/21/98	CT	280421A
Vinyl chloride	<0.5	0.5		µg/L	1	EPA601	N/A	4/21/98	CT	280421A
1-Chloro-4-fluorobenzene (ELCD)	124	70-130		%REC	1	EPA601	N/A	4/21/98	CT	280421A

Qualifiers:

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank
E - Value above quantitation range
H - Analyzed past EPA recommended Holding Time
D - Surrogate diluted out

Confidential and Privileged

McKENZIE LABORATORIES

Date: 05-May-98

CLIENT: GEC, Inc.
Work Order: 9804142
Project: 94-0069I

QC SUMMARY REPORT

Blank Spike (primary source)

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Sample ID: **LCS280420A**	Batch ID: 280420A			Test Code: EPA601				Date Analyzed: 4/20/98			
				Units: µg/L				Date Prepared: N/A			
1,1-Dichloroethene	17.80	0.5	20	<0.5	89%	70	130				
Tetrachloroethene	19.40	0.5	20	<0.5	97%	70	130				
1,1,1-Trichloroethane	19.10	0.5	20	<0.5	95%	70	130				
Trichloroethene	19.10	0.5	20	<0.5	95%	70	130				
1-Chloro-4-fluorobenzene (ELCD)	22.60	N/A	20	N/A	113%	70	130				
Sample ID: **LCSD280420A**	Batch ID: 280420A			Test Code: EPA601				Date Analyzed: 4/21/98			
				Units: µg/L				Date Prepared: N/A			
1,1-Dichloroethene	20.00	0.5	20	<0.5	100%	70	130	17.80	12%	20	
Tetrachloroethene	20.30	0.5	20	<0.5	102%	70	130	19.40	5%	20	
1,1,1-Trichloroethane	20.80	0.5	20	<0.5	104%	70	130	19.10	9%	20	
Trichloroethene	21.30	0.5	20	<0.5	107%	70	130	19.10	11%	20	
1-Chloro-4-fluorobenzene (ELCD)	23.50	N/A	20	N/A	118%	70	130				
Sample ID: **LCSD280421A**	Batch ID: 280421A			Test Code: EPA601				Date Analyzed: 4/22/98			
				Units: µg/L				Date Prepared: N/A			
1,1-Dichloroethene	20.30	0.5	20	<0.5	102%	70	130	22.00	8%	20	
Tetrachloroethene	22.20	0.5	20	<0.5	111%	70	130	20.80	7%	20	
1,1,1-Trichloroethane	21.90	0.5	20	<0.5	110%	70	130	21.20	3%	20	
Trichloroethene	22.40	0.5	20	<0.5	112%	70	130	21.00	6%	20	
1-Chloro-4-fluorobenzene (ELCD)	24.20	N/A	20	N/A	121%	70	130				
Sample ID: **LCS280421A**	Batch ID: 280421A			Test Code: EPA601				Date Analyzed: 4/22/98			
				Units: µg/L				Date Prepared: N/A			
1,1-Dichloroethene	22.00	0.5	20	<0.5	110%	70	130				
Tetrachloroethene	20.80	0.5	20	<0.5	104%	70	130				
1,1,1-Trichloroethane	21.20	0.5	20	<0.5	106%	70	130				
Trichloroethene	21.00	0.5	20	<0.5	105%	70	130				
1-Chloro-4-fluorobenzene (ELCD)	24.20	N/A	20	N/A	121%	70	130				

Qualifiers:

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank
E - Value above quantitation range
H - Analyzed past EPA recommended Holding Time
D - Surrogate diluted out

Confidential and Privileged

McKENZIE LABORATORIES

Date: 05-May-98

CLIENT: GEC, Inc.
Work Order: 9804142
Project: 94-0069I

QC SUMMARY REPORT

Secondary Source QC Sample

Analyte	Result	PQL	Units	Spike Value	Spike Ref Val	% Rec	Limit	Date Prepared	Date Analyzed	Analyst	Qual
Sample ID: **LCSV280420A**			Test Code:	EPA601					Batch ID: 280420A		
1,1-Dichloroethene	18.90	0.5	µg/L	20	<0.5	95%	70 - 130	N/A	4/21/98	CT	
Tetrachloroethene	21.50	0.5	µg/L	20	<0.5	108%	70 - 130	N/A	4/21/98	CT	
1,1,1-Trichloroethane	20.30	0.5	µg/L	20	<0.5	102%	70 - 130	N/A	4/21/98	CT	
Trichloroethene	20.40	0.5	µg/L	20	<0.5	102%	70 - 130	N/A	4/21/98	CT	
1-Chloro-4-fluorobenzene (ELCD)	19.50	N/A	µg/L	20	N/A	98%	70 - 130	N/A	4/21/98	CT	
Sample ID: **LCSV280421A**			Test Code:	EPA601					Batch ID: 280421A		
1,1-Dichloroethene	23.60	0.5	µg/L	20	<0.5	118%	70 - 130	N/A	4/22/98	CT	
etrachloroethene	24.30	0.5	µg/L	20	<0.5	122%	70 - 130	N/A	4/22/98	CT	
1,1,1-Trichloroethane	23.80	0.5	µg/L	20	<0.5	119%	70 - 130	N/A	4/22/98	CT	
Trichloroethene	22.20	0.5	µg/L	20	<0.5	111%	70 - 130	N/A	4/22/98	CT	
1-Chloro-4-fluorobenzene (ELCD)	21.60	N/A	µg/L	20	N/A	108%	70 - 130	N/A	4/22/98	CT	

Qualifiers:

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank
E - Value above quantitation range
H - Analyzed past EPA recommended Holding Time
D - Surrogate diluted out

Confidential and Privileged

McKenzie Labs
3725 E. Atlanta Ave.
Phoenix, AZ 85040
(602) 470-0288
FAX (602) 470-0756

McKENZIE LABORATORIES

Chain of Custody

DATE 4/14/98 PAGE 1 of 1

9804142

PROJECT MANAGER: Steve Smelser

COMPANY: GEC

ADDRESS: 2447 W. 12th St. Suite 4
Tempe, AZ 85281

BILL TO: Same

COMPANY:

ADDRESS:

David Foreman 966-8821 966-8631
SAMPLERS: (Signature) FAX NUMBER PHONE NUMBER

ANALYSIS REQUEST

SAMPLE ID	PRES.	TYPE OF CONTAINER	DATE	TIME	MATRIX	LAB ID	Petroleum Hydrocarbons (418.1 / 418.1 AZ)	BTXE (8021)	Chlorinated Hydrocarbons (601/8021)	Aromatic Hydrocarbons (602/8021)	Organochlorine Pesticides (608/8081)	Chlorinated Herbicides (615/8151)	Organophosphate Pesticides (614/8141)	Semi-Volatile Organics GC/MS (625/8270)	Volatile Organics GC/MS (624/8240)	SDWA Primary Standards	SDWA Secondary Standards	SDWA Volatiles (502.1/503.1/502.2)	The 13 Priority Pollutant Metals	The 8 RCRA Metals by TCLP (1311)	NUMBER OF CONTAINERS
PS-5			4/14/98	1453	wtr	01A			/												3
PS-8			"	1218		02A			/												3
PS-9			"	0957		03A			/												3
PS-15			"	1108		04A			/												3
Equipment Blank			"	1521	↓	05A			/												3
Trip Blank			4/14/98			06A			/												1

PROJECT INFORMATION	SAMPLE RECEIPT	
PROJECT NO: 94-0069I	TOTAL NO. OF CONTAINERS:	16
PROJECT NAME: —	CHAIN OF CUSTODY SEALS:	(Y) N/A
P.O. NO.: 94-0069I	RECEIVED INTACT:	Y-es
SHIPPED VIA:	TEMPERATURE:	AMBIENT / COLD
SAMPLE DISPOSAL INSTRUCTIONS*	ICE:	(PRESENT) / ABSENT
☐ McKENZIE ☐ RETURN		WET / BLUE

PRIOR AUTHORIZATION IS REQUIRED FOR RUSH PROJECTS

TAT: (NORMAL) ☑ (RUSH) ☐ 24 ☐ 48 ☐ 72 ☐ 1 WEEK

Comments:

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature: David Foreman Time: 1656	Signature: Time:	Signature: Time:
Printed Name: David Foreman Date: 4/14/98	Printed Name: Date:	Printed Name: Date:
Company: GEC	Company:	Company:
RECEIVED BY: 1.	**RECEIVED BY: 2.**	**RECEIVED BY: 3.**
Signature: Cathy Crow Time: 1656	Signature: Time:	Signature: Time:
Printed Name: Cathy Crow Date: 14 Apr. 98	Printed Name: Date:	Printed Name: Date:
Company: MC Forgil	Company:	Company:

* Samples will be discarded / returned after 60 days

White, Canary: McKenzie Labs Pink: Originator

MCKENZIE
LABORATORIES

3725 E. Atlanta Ave
Suite One
Phoenix, AZ 85040
Voice: (602) 470-0288
FAX: (602) 470-0756
ADHS License AZ 0034

May 06, 1998

Steve Smelser
GEC, Inc.
2447 W. 12th Street Suite 4
Tempe, AZ 85281
TEL: (602) 966-8631
FAX: (602) 966-8821

RE: 94-0069I

Work Order No.: 9804174

Dear Steve Smelser,

McKenzie Laboratories, Inc. received 5 samples on 4/15/98 5:16:00 PM for the analyses presented in the following report.

The Case Narrative of this report addresses any Quality Control and/or Quality Assurance issues associated with this Work Order.

If you have any questions regarding these test results, please feel free to call.

Sincerely,

Maja Radwick

Laboratory Representative

MCKENZIE
LABORATORIES

3725 E. Atlanta Ave.
Suite One
Phoenix, AZ 85040
Voice: (602) 470-0288
FAX: (602) 470-0756
ADHS License AZ 0034

Client: GEC, Inc.
Work Order: 9804174
Project Name:
Project Number: 94-0069I

Date Printed: 06-May-98

CASE NARRATIVE

McKenzie Laboratories, Inc. uses the methods outlined in the following references:

Code of Federal Regulations, 40CFR, Part 136, Revised July 1995.

Standard Methods for the Examination of Water and Wastewater, 19th Edition, 1995.

Methods for Chemical Analysis of Water and Wastes, EPA-600/4-79-020, Revised March 1983.

Methods for the Determination of Inorganic Substances in Environmental Samples, EPA/600/R-93/100, Revised August 1993.

Methods for the Determination of Metals in Environmental Samples, EPA/600/R-94/111, Revised May 1994.

Hach, Water Analysis Handbook, 2nd Edition, 1992.

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, 3rd Edition.

Secondary Source QC Sample (LCSV) results may not be reported for all methods and/or analysis dates.

All method blanks, laboratory spikes, and/or matrix spikes met quality control objectives for the parameters associated with this Work Order except as noted within the report.

McKENZIE LABORATORIES

Date Printed: 05-May-98

CLIENT: GEC, Inc.
Project Name:
Project Number: 94-0069I
Work Order: 9804174
Date Received: 15-Apr-98

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Test Code	Collection Date
9804174-01A	PS-2	EPA601	4/15/98 1:42:00 PM
9804174-02A	PS-4	EPA601	4/15/98 12:07:00 PM
9804174-03A	Equipment Blank	EPA601	4/15/98 2:18:00 PM
9804174-04A	Tank	EPA601/602	4/15/98 2:45:00 PM
9804174-04B	Tank	EPA200.7	4/15/98 2:45:00 PM
		EPA245.1	4/15/98 2:45:00 PM
9804174-04C	Tank	SM4500-CN CE	4/15/98 2:45:00 PM
9804174-05A	Trip Blank	EPA601/602	4/15/98

McKENZIE LABORATORIES

Date Printed: 05-May-98

CLIENT: GEC, Inc.
Work Order: 9804174
Lab ID: 9804174-01
Project Name:
Project Number: 94-0069I

Client Sample ID: PS-2
Collection Date: 4/15/98 1:42:00 PM
Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Bromodichloromethane	<0.5	0.5		µg/L	1	EPA601	N/A	4/21/98	CT	280421C
Bromoform	<1.0	1.0		µg/L	1	EPA601	N/A	4/21/98	CT	280421C
Bromomethane	<5.0	5.0		µg/L	1	EPA601	N/A	4/21/98	CT	280421C
Carbon tetrachloride	<0.5	0.5		µg/L	1	EPA601	N/A	4/21/98	CT	280421C
Chlorobenzene	<0.5	0.5		µg/L	1	EPA601	N/A	4/21/98	CT	280421C
Chloroethane	<0.5	0.5		µg/L	1	EPA601	N/A	4/21/98	CT	280421C
2-Chloroethylvinylether	<5.0	5.0		µg/L	1	EPA601	N/A	4/21/98	CT	280421C
Chloroform	8.1	0.5		µg/L	1	EPA601	N/A	4/21/98	CT	280421C
Chloromethane	<0.5	0.5		µg/L	1	EPA601	N/A	4/21/98	CT	280421C
Dibromochloromethane	<0.5	0.5		µg/L	1	EPA601	N/A	4/21/98	CT	280421C
1,2-Dichlorobenzene	<0.5	0.5		µg/L	1	EPA601	N/A	4/21/98	CT	280421C
1,3-Dichlorobenzene	<0.5	0.5		µg/L	1	EPA601	N/A	4/21/98	CT	280421C
1,4-Dichlorobenzene	<0.5	0.5		µg/L	1	EPA601	N/A	4/21/98	CT	280421C
Dichlorodifluoromethane	12	1.0		µg/L	1	EPA601	N/A	4/21/98	CT	280421C
1,1-Dichloroethane	0.7	0.5		µg/L	1	EPA601	N/A	4/21/98	CT	280421C
1,2-Dichloroethane	<0.5	0.5		µg/L	1	EPA601	N/A	4/21/98	CT	280421C
1,1-Dichloroethene	0.8	0.5		µg/L	1	EPA601	N/A	4/21/98	CT	280421C
cis-1,2-Dichloroethene	<0.5	0.5		µg/L	1	EPA601	N/A	4/21/98	CT	280421C
trans-1,2-Dichloroethene	<0.5	0.5		µg/L	1	EPA601	N/A	4/21/98	CT	280421C
1,2-Dichloropropane	<0.5	0.5		µg/L	1	EPA601	N/A	4/21/98	CT	280421C
cis-1,3-Dichloropropene	<0.5	0.5		µg/L	1	EPA601	N/A	4/21/98	CT	280421C
trans-1,3-Dichloropropene	<0.5	0.5		µg/L	1	EPA601	N/A	4/21/98	CT	280421C
Methylene chloride	<2.0	2.0		µg/L	1	EPA601	N/A	4/21/98	CT	280421C
1,2,2-Tetrachloroethane	<0.5	0.5		µg/L	1	EPA601	N/A	4/21/98	CT	280421C
etrachloroethene	12	0.5		µg/L	1	EPA601	N/A	4/21/98	CT	280421C
1,1,1-Trichloroethane	2.2	0.5		µg/L	1	EPA601	N/A	4/21/98	CT	280421C
1,1,2-Trichloroethane	<0.5	0.5		µg/L	1	EPA601	N/A	4/21/98	CT	280421C
Trichloroethene	2.4	0.5		µg/L	1	EPA601	N/A	4/21/98	CT	280421C
Trichlorofluoromethane	<1.0	1.0		µg/L	1	EPA601	N/A	4/21/98	CT	280421C
Trichlorotrifluoroethane	<5.0	5.0		µg/L	1	EPA601	N/A	4/21/98	CT	280421C
Vinyl chloride	<0.5	0.5		µg/L	1	EPA601	N/A	4/21/98	CT	280421C
1-Chloro-4-fluorobenzene (ELCD)	128	70-130		%REC	1	EPA601	N/A	4/21/98	CT	280421C

Qualifiers:

S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
H - Analyzed past EPA recommended Holding Time
X - Value exceeds Maximum Contaminant Level
R - RPD outside accepted recovery limits
E - Value above quantitation range
D - Surrogate diluted out

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McKENZIE LABORATORIES

Date Printed: 05-May-98

CLIENT: GEC, Inc.
Work Order: 9804174
Lab ID: 9804174-02
Project Name:
Project Number: 94-0069I

Client Sample ID: PS-4
Collection Date: 4/15/98 12:07:00 PM
Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Bromodichloromethane	<0.5	0.5		µg/L	1	EPA601	N/A	4/22/98	CT	280421C
Bromoform	<1.0	1.0		µg/L	1	EPA601	N/A	4/22/98	CT	280421C
Bromomethane	<5.0	5.0		µg/L	1	EPA601	N/A	4/22/98	CT	280421C
Carbon tetrachloride	<0.5	0.5		µg/L	1	EPA601	N/A	4/22/98	CT	280421C
Chlorobenzene	<0.5	0.5		µg/L	1	EPA601	N/A	4/22/98	CT	280421C
Chloroethane	<0.5	0.5		µg/L	1	EPA601	N/A	4/22/98	CT	280421C
2-Chloroethylvinylether	<5.0	5.0		µg/L	1	EPA601	N/A	4/22/98	CT	280421C
hloroform	1.8	0.5		µg/L	1	EPA601	N/A	4/22/98	CT	280421C
Chloromethane	<0.5	0.5		µg/L	1	EPA601	N/A	4/22/98	CT	280421C
Dibromochloromethane	<0.5	0.5		µg/L	1	EPA601	N/A	4/22/98	CT	280421C
1,2-Dichlorobenzene	<0.5	0.5		µg/L	1	EPA601	N/A	4/22/98	CT	280421C
1,3-Dichlorobenzene	<0.5	0.5		µg/L	1	EPA601	N/A	4/22/98	CT	280421C
1,4-Dichlorobenzene	<0.5	0.5		µg/L	1	EPA601	N/A	4/22/98	CT	280421C
Dichlorodifluoromethane	<1.0	1.0		µg/L	1	EPA601	N/A	4/22/98	CT	280421C
1,1-Dichloroethane	<0.5	0.5		µg/L	1	EPA601	N/A	4/22/98	CT	280421C
1,2-Dichloroethane	<0.5	0.5		µg/L	1	EPA601	N/A	4/22/98	CT	280421C
1,1-Dichloroethene	<0.5	0.5		µg/L	1	EPA601	N/A	4/22/98	CT	280421C
cis-1,2-Dichloroethene	2.1	0.5		µg/L	1	EPA601	N/A	4/22/98	CT	280421C
trans-1,2-Dichloroethene	<0.5	0.5		µg/L	1	EPA601	N/A	4/22/98	CT	280421C
1,2-Dichloropropane	<0.5	0.5		µg/L	1	EPA601	N/A	4/22/98	CT	280421C
cis-1,3-Dichloropropene	<0.5	0.5		µg/L	1	EPA601	N/A	4/22/98	CT	280421C
trans-1,3-Dichloropropene	<0.5	0.5		µg/L	1	EPA601	N/A	4/22/98	CT	280421C
Methylene chloride	<2.0	2.0		µg/L	1	EPA601	N/A	4/22/98	CT	280421C
' 1,2,2-Tetrachloroethane	<0.5	0.5		µg/L	1	EPA601	N/A	4/22/98	CT	280421C
.trachloroethene	6.8	0.5		µg/L	1	EPA601	N/A	4/22/98	CT	280421C
1,1,1-Trichloroethane	<0.5	0.5		µg/L	1	EPA601	N/A	4/22/98	CT	280421C
1,1,2-Trichloroethane	<0.5	0.5		µg/L	1	EPA601	N/A	4/22/98	CT	280421C
Trichloroethene	34	0.5		µg/L	1	EPA601	N/A	4/22/98	CT	280421C
Trichlorofluoromethane	<1.0	1.0		µg/L	1	EPA601	N/A	4/22/98	CT	280421C
Trichlorotrifluoroethane	<5.0	5.0		µg/L	1	EPA601	N/A	4/22/98	CT	280421C
Vinyl chloride	<0.5	0.5		µg/L	1	EPA601	N/A	4/22/98	CT	280421C
1-Chloro-4-fluorobenzene (ELCD)	130	70-130		%REC	1	EPA601	N/A	4/22/98	CT	280421C

Qualifiers:

S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
H - Analyzed past EPA recommended Holding Time
X - Value exceeds Maximum Contaminant Level
R - RPD outside accepted recovery limits
E - Value above quantitation range
D - Surrogate diluted out

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McKENZIE LABORATORIES

Date Printed: 05-May-98

CLIENT: GEC, Inc.
Work Order: 9804174
Lab ID: 9804174-03
Project Name:
Project Number: 94-0069I

Client Sample ID: Equipment Blank
Collection Date: 4/15/98 2:18:00 PM
Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Bromodichloromethane	<0.5	0.5		µg/L	1	EPA601	N/A	4/21/98	CT	280421C
Bromoform	<1.0	1.0		µg/L	1	EPA601	N/A	4/21/98	CT	280421C
Bromomethane	<5.0	5.0		µg/L	1	EPA601	N/A	4/21/98	CT	280421C
Carbon tetrachloride	<0.5	0.5		µg/L	1	EPA601	N/A	4/21/98	CT	280421C
Chlorobenzene	<0.5	0.5		µg/L	1	EPA601	N/A	4/21/98	CT	280421C
Chloroethane	<0.5	0.5		µg/L	1	EPA601	N/A	4/21/98	CT	280421C
2-Chloroethylvinylether	<5.0	5.0		µg/L	1	EPA601	N/A	4/21/98	CT	280421C
hloroform	<0.5	0.5		µg/L	1	EPA601	N/A	4/21/98	CT	280421C
Chloromethane	<0.5	0.5		µg/L	1	EPA601	N/A	4/21/98	CT	280421C
Dibromochloromethane	<0.5	0.5		µg/L	1	EPA601	N/A	4/21/98	CT	280421C
1,2-Dichlorobenzene	<0.5	0.5		µg/L	1	EPA601	N/A	4/21/98	CT	280421C
1,3-Dichlorobenzene	<0.5	0.5		µg/L	1	EPA601	N/A	4/21/98	CT	280421C
1,4-Dichlorobenzene	<0.5	0.5		µg/L	1	EPA601	N/A	4/21/98	CT	280421C
Dichlorodifluoromethane	<1.0	1.0		µg/L	1	EPA601	N/A	4/21/98	CT	280421C
1,1-Dichloroethane	<0.5	0.5		µg/L	1	EPA601	N/A	4/21/98	CT	280421C
1,2-Dichloroethane	<0.5	0.5		µg/L	1	EPA601	N/A	4/21/98	CT	280421C
1,1-Dichloroethene	<0.5	0.5		µg/L	1	EPA601	N/A	4/21/98	CT	280421C
cis-1,2-Dichloroethene	<0.5	0.5		µg/L	1	EPA601	N/A	4/21/98	CT	280421C
trans-1,2-Dichloroethene	<0.5	0.5		µg/L	1	EPA601	N/A	4/21/98	CT	280421C
1,2-Dichloropropane	<0.5	0.5		µg/L	1	EPA601	N/A	4/21/98	CT	280421C
cis-1,3-Dichloropropene	<0.5	0.5		µg/L	1	EPA601	N/A	4/21/98	CT	280421C
trans-1,3-Dichloropropene	<0.5	0.5		µg/L	1	EPA601	N/A	4/21/98	CT	280421C
Methylene chloride	<2.0	2.0		µg/L	1	EPA601	N/A	4/21/98	CT	280421C
1,2,2-Tetrachloroethane	<0.5	0.5		µg/L	1	EPA601	N/A	4/21/98	CT	280421C
rachloroethene	<0.5	0.5		µg/L	1	EPA601	N/A	4/21/98	CT	280421C
1,1,1-Trichloroethane	<0.5	0.5		µg/L	1	EPA601	N/A	4/21/98	CT	280421C
1,1,2-Trichloroethane	<0.5	0.5		µg/L	1	EPA601	N/A	4/21/98	CT	280421C
Trichloroethene	<0.5	0.5		µg/L	1	EPA601	N/A	4/21/98	CT	280421C
Trichlorofluoromethane	<1.0	1.0		µg/L	1	EPA601	N/A	4/21/98	CT	280421C
Trichlorotrifluoroethane	<5.0	5.0		µg/L	1	EPA601	N/A	4/21/98	CT	280421C
Vinyl chloride	<0.5	0.5		µg/L	1	EPA601	N/A	4/21/98	CT	280421C
1-Chloro-4-fluorobenzene (ELCD)	130	70-130		%REC	1	EPA601	N/A	4/21/98	CT	280421C

Qualifiers:

S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
H - Analyzed past EPA recommended Holding Time
X - Value exceeds Maximum Contaminant Level
R - RPD outside accepted recovery limits
E - Value above quantitation range
D - Surrogate diluted out

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McKENZIE LABORATORIES

Date Printed: 05-May-98

CLIENT: GEC, Inc.
Work Order: 9804174
Lab ID: 9804174-04
Project Name:
Project Number: 94-0069I

Client Sample ID: Tank
Collection Date: 4/15/98 2:45:00 PM
Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Cyanide, Total	<0.010	0.010		mg/L	1	SM4500-CN CE	4/21/98	4/21/98	HO	CN_W-4/21/98
Arsenic	0.0086	0.0050		mg/L	1	EPA200.7	4/20/98	4/22/98	CMM	1421B
Cadmium	<0.00050	0.00050		mg/L	1	EPA200.7	4/20/98	4/22/98	CMM	1421B
Lead	<0.0050	0.0050		mg/L	1	EPA200.7	4/20/98	4/22/98	CMM	1421B
Selenium	<0.0050	0.0050		mg/L	1	EPA200.7	4/20/98	4/22/98	CMM	1421B
Barium	0.12	0.05		mg/L	1	EPA200.7	4/20/98	4/21/98	JLC	1421A
Boron	0.78	0.10		mg/L	1	EPA200.7	4/20/98	4/21/98	JLC	1421A
Copper	<0.05	0.05		mg/L	1	EPA200.7	4/20/98	4/21/98	JLC	1421A
Manganese	0.06	0.05		mg/L	1	EPA200.7	4/20/98	4/21/98	JLC	1421A
Silver	<0.05	0.05		mg/L	1	EPA200.7	4/20/98	4/21/98	JLC	1421A
Zinc	0.29	0.05		mg/L	1	EPA200.7	4/20/98	4/21/98	JLC	1421A
Mercury	<0.0002	0.0002		mg/L	1	EPA245.1	4/20/98	4/20/98	BL	1415

Qualifiers:

S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
H - Analyzed past EPA recommended Holding Time
X - Value exceeds Maximum Contaminant Level
R - RPD outside accepted recovery limits
E - Value above quantitation range
D - Surrogate diluted out

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McKENZIE LABORATORIES

Date Printed: 05-May-98

CLIENT: GEC, Inc.
Work Order: 9804174
Lab ID: 9804174-04
Project Name:
Project Number: 94-0069I

Client Sample ID: Tank
Collection Date: 4/15/98 2:45:00 PM
Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
1,1,1-Trichloroethane	<0.5	0.5		µg/L	1	EPA601/602	N/A	4/21/98	CT	280421C
1,1,2,2-Tetrachloroethane	<0.5	0.5		µg/L	1	EPA601/602	N/A	4/21/98	CT	280421C
1,1,2-Trichloroethane	<0.5	0.5		µg/L	1	EPA601/602	N/A	4/21/98	CT	280421C
1,1-Dichloroethane	<0.5	0.5		µg/L	1	EPA601/602	N/A	4/21/98	CT	280421C
1,1-Dichloroethene	0.5	0.5		µg/L	1	EPA601/602	N/A	4/21/98	CT	280421C
1,2-Dichlorobenzene	<0.5	0.5		µg/L	1	EPA601/602	N/A	4/21/98	CT	280421C
1,2-Dichloroethane	<0.5	0.5		µg/L	1	EPA601/602	N/A	4/21/98	CT	280421C
2-Dichloropropane	<0.5	0.5		µg/L	1	EPA601/602	N/A	4/21/98	CT	280421C
,3-Dichlorobenzene	<0.5	0.5		µg/L	1	EPA601/602	N/A	4/21/98	CT	280421C
1,4-Dichlorobenzene	<0.5	0.5		µg/L	1	EPA601/602	N/A	4/21/98	CT	280421C
2-Chloroethylvinylether	<5.0	5.0		µg/L	1	EPA601/602	N/A	4/21/98	CT	280421C
Benzene	<0.5	0.5		µg/L	1	EPA601/602	N/A	4/21/98	CT	280421C
Bromodichloromethane	<0.5	0.5		µg/L	1	EPA601/602	N/A	4/21/98	CT	280421C
Bromoform	<1.0	1.0		µg/L	1	EPA601/602	N/A	4/21/98	CT	280421C
Bromomethane	<5.0	5.0		µg/L	1	EPA601/602	N/A	4/21/98	CT	280421C
Carbon tetrachloride	<0.5	0.5		µg/L	1	EPA601/602	N/A	4/21/98	CT	280421C
Chlorobenzene	<0.5	0.5		µg/L	1	EPA601/602	N/A	4/21/98	CT	280421C
Chloroethane	<0.5	0.5		µg/L	1	EPA601/602	N/A	4/21/98	CT	280421C
Chloroform	3.3	0.5		µg/L	1	EPA601/602	N/A	4/21/98	CT	280421C
Chloromethane	<0.5	0.5		µg/L	1	EPA601/602	N/A	4/21/98	CT	280421C
cis-1,2-Dichloroethene	0.8	0.5		µg/L	1	EPA601/602	N/A	4/21/98	CT	280421C
cis-1,3-Dichloropropene	<0.5	0.5		µg/L	1	EPA601/602	N/A	4/21/98	CT	280421C
Dibromochloromethane	<0.5	0.5		µg/L	1	EPA601/602	N/A	4/21/98	CT	280421C
Dichlorodifluoromethane	1.0	1.0		µg/L	1	EPA601/602	N/A	4/21/98	CT	280421C
ylbenzene	<0.5	0.5		µg/L	1	EPA601/602	N/A	4/21/98	CT	280421C
m,p-Xylene	<1.0	1.0		µg/L	1	EPA601/602	N/A	4/21/98	CT	280421C
Methyl tert-butyl ether	<5.0	5.0		µg/L	1	EPA601/602	N/A	4/21/98	CT	280421C
Methylene chloride	<2.0	2.0		µg/L	1	EPA601/602	N/A	4/21/98	CT	280421C
o-Xylene	<0.5	0.5		µg/L	1	EPA601/602	N/A	4/21/98	CT	280421C
Tetrachloroethene	5.0	0.5		µg/L	1	EPA601/602	N/A	4/21/98	CT	280421C
Toluene	2.3	0.5		µg/L	1	EPA601/602	N/A	4/21/98	CT	280421C
trans-1,2-Dichloroethene	<0.5	0.5		µg/L	1	EPA601/602	N/A	4/21/98	CT	280421C
trans-1,3-Dichloropropene	<0.5	0.5		µg/L	1	EPA601/602	N/A	4/21/98	CT	280421C
Trichloroethene	11	0.5		µg/L	1	EPA601/602	N/A	4/21/98	CT	280421C
Trichlorofluoromethane	<1.0	1.0		µg/L	1	EPA601/602	N/A	4/21/98	CT	280421C
Trichlorotrifluoroethane	<5.0	5.0		µg/L	1	EPA601/602	N/A	4/21/98	CT	280421C
Vinyl chloride	<0.5	0.5		µg/L	1	EPA601/602	N/A	4/21/98	CT	280421C
1-Chloro-4-fluorobenzene (ELCD)	129	70-130		%REC	1	EPA601/602	N/A	4/21/98	CT	280421C
1-Chloro-4-fluorobenzene (PID)	121	70-130		%REC	1	EPA601/602	N/A	4/21/98	CT	280421C

Qualifiers:

S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
H - Analyzed past EPA recommended Holding Time
X - Value exceeds Maximum Contaminant Level
R - RPD outside accepted recovery limits
E - Value above quantitation range
D - Surrogate diluted out

Confidential and Privileged

McKENZIE LABORATORIES

Date Printed: 05-May-98

CLIENT: GEC, Inc.
Work Order: 9804174
Lab ID: 9804174-05
Project Name:
Project Number: 94-0069I

Client Sample ID: Trip Blank
Collection Date: 4/15/98
Matrix: TRIP BLANK

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
1,1,1-Trichloroethane	<0.5	0.5		µg/L	1	EPA601/602	N/A	4/21/98	CT	280421C
1,1,2,2-Tetrachloroethane	<0.5	0.5		µg/L	1	EPA601/602	N/A	4/21/98	CT	280421C
1,1,2-Trichloroethane	<0.5	0.5		µg/L	1	EPA601/602	N/A	4/21/98	CT	280421C
1,1-Dichloroethane	<0.5	0.5		µg/L	1	EPA601/602	N/A	4/21/98	CT	280421C
1,1-Dichloroethene	<0.5	0.5		µg/L	1	EPA601/602	N/A	4/21/98	CT	280421C
1,2-Dichlorobenzene	<0.5	0.5		µg/L	1	EPA601/602	N/A	4/21/98	CT	280421C
1,2-Dichloroethane	<0.5	0.5		µg/L	1	EPA601/602	N/A	4/21/98	CT	280421C
2-Dichloropropane	<0.5	0.5		µg/L	1	EPA601/602	N/A	4/21/98	CT	280421C
ı,3-Dichlorobenzene	<0.5	0.5		µg/L	1	EPA601/602	N/A	4/21/98	CT	280421C
1,4-Dichlorobenzene	<0.5	0.5		µg/L	1	EPA601/602	N/A	4/21/98	CT	280421C
2-Chloroethylvinylether	<5.0	5.0		µg/L	1	EPA601/602	N/A	4/21/98	CT	280421C
Benzene	<0.5	0.5		µg/L	1	EPA601/602	N/A	4/21/98	CT	280421C
Bromodichloromethane	<0.5	0.5		µg/L	1	EPA601/602	N/A	4/21/98	CT	280421C
Bromoform	<1.0	1.0		µg/L	1	EPA601/602	N/A	4/21/98	CT	280421C
Bromomethane	<5.0	5.0		µg/L	1	EPA601/602	N/A	4/21/98	CT	280421C
Carbon tetrachloride	<0.5	0.5		µg/L	1	EPA601/602	N/A	4/21/98	CT	280421C
Chlorobenzene	<0.5	0.5		µg/L	1	EPA601/602	N/A	4/21/98	CT	280421C
Chloroethane	<0.5	0.5		µg/L	1	EPA601/602	N/A	4/21/98	CT	280421C
Chloroform	<0.5	0.5		µg/L	1	EPA601/602	N/A	4/21/98	CT	280421C
Chloromethane	<0.5	0.5		µg/L	1	EPA601/602	N/A	4/21/98	CT	280421C
cis-1,2-Dichloroethene	<0.5	0.5		µg/L	1	EPA601/602	N/A	4/21/98	CT	280421C
cis-1,3-Dichloropropene	<0.5	0.5		µg/L	1	EPA601/602	N/A	4/21/98	CT	280421C
Dibromochloromethane	<0.5	0.5		µg/L	1	EPA601/602	N/A	4/21/98	CT	280421C
Dichlorodifluoromethane	<1.0	1.0		µg/L	1	EPA601/602	N/A	4/21/98	CT	280421C
ylbenzene	<0.5	0.5		µg/L	1	EPA601/602	N/A	4/21/98	CT	280421C
m,p-Xylene	<1.0	1.0		µg/L	1	EPA601/602	N/A	4/21/98	CT	280421C
Methyl tert-butyl ether	<5.0	5.0		µg/L	1	EPA601/602	N/A	4/21/98	CT	280421C
Methylene chloride	<2.0	2.0		µg/L	1	EPA601/602	N/A	4/21/98	CT	280421C
o-Xylene	<0.5	0.5		µg/L	1	EPA601/602	N/A	4/21/98	CT	280421C
Tetrachloroethene	<0.5	0.5		µg/L	1	EPA601/602	N/A	4/21/98	CT	280421C
Toluene	<0.5	0.5		µg/L	1	EPA601/602	N/A	4/21/98	CT	280421C
trans-1,2-Dichloroethene	<0.5	0.5		µg/L	1	EPA601/602	N/A	4/21/98	CT	280421C
trans-1,3-Dichloropropene	<0.5	0.5		µg/L	1	EPA601/602	N/A	4/21/98	CT	280421C
Trichloroethene	<0.5	0.5		µg/L	1	EPA601/602	N/A	4/21/98	CT	280421C
Trichlorofluoromethane	<1.0	1.0		µg/L	1	EPA601/602	N/A	4/21/98	CT	280421C
Trichlorotrifluoroethane	<5.0	5.0		µg/L	1	EPA601/602	N/A	4/21/98	CT	280421C
Vinyl chloride	<0.5	0.5		µg/L	1	EPA601/602	N/A	4/21/98	CT	280421C
1-Chloro-4-fluorobenzene (ELCD)	123	70-130		%REC	1	EPA601/602	N/A	4/21/98	CT	280421C
1-Chloro-4-fluorobenzene (PID)	123	70-130		%REC	1	EPA601/602	N/A	4/21/98	CT	280421C

Qualifiers:

S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
H - Analyzed past EPA recommended Holding Time
X - Value exceeds Maximum Contaminant Level
R - RPD outside accepted recovery limits
E - Value above quantitation range
D - Surrogate diluted out

Confidential and Privileged

McKENZIE LABORATORIES

Date: 06-May-98

CLIENT: GEC, Inc.
Work Order: 9804174
Project: 94-0069I

QC SUMMARY REPORT

Method Blank

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Cyanide, Total	<0.010	0.010		mg/L	1	SM4500-CN CE	4/21/98	4/21/98	HO	CN_W-4/21/98
Barium	<0.05	0.05		mg/L	1	EPA200.7	4/20/98	4/21/98	JLC	1421A
Boron	<0.10	0.10		mg/L	1	EPA200.7	4/20/98	4/21/98	JLC	1421A
Copper	<0.05	0.05		mg/L	1	EPA200.7	4/20/98	4/21/98	JLC	1421A
Manganese	<0.05	0.05		mg/L	1	EPA200.7	4/20/98	4/21/98	JLC	1421A
Silver	<0.05	0.05		mg/L	1	EPA200.7	4/20/98	4/21/98	JLC	1421A
Zinc	<0.05	0.05		mg/L	1	EPA200.7	4/20/98	4/21/98	JLC	1421A
Arsenic	<0.0050	0.0050		mg/L	1	EPA200.7	4/20/98	4/22/98	CMM	1421B
ıdmium	<0.00050	0.00050		mg/L	1	EPA200.7	4/20/98	4/22/98	CMM	1421B
Lead	<0.0050	0.0050		mg/L	1	EPA200.7	4/20/98	4/22/98	CMM	1421B
Selenium	<0.0050	0.0050		mg/L	1	EPA200.7	4/20/98	4/22/98	CMM	1421B
Mercury	<0.0002	0.0002		mg/L	1	EPA245.1	4/20/98	4/20/98	BL	1415

Qualifiers:

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank
E - Value above quantitation range
H - Analyzed past EPA recommended Holding Time
D - Surrogate diluted out

Confidential and Privileged

McKENZIE LABORATORIES

Date: 06-May-98

CLIENT: GEC, Inc.
Work Order: 9804174
Project: 94-0069I

QC SUMMARY REPORT

Method Blank

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
1,1,1-Trichloroethane	<0.5	0.5		µg/L	1	EPA601/602	N/A	4/21/98	CT	280421C
1,1,2,2-Tetrachloroethane	<0.5	0.5		µg/L	1	EPA601/602	N/A	4/21/98	CT	280421C
1,1,2-Trichloroethane	<0.5	0.5		µg/L	1	EPA601/602	N/A	4/21/98	CT	280421C
1,1-Dichloroethane	<0.5	0.5		µg/L	1	EPA601/602	N/A	4/21/98	CT	280421C
1,1-Dichloroethene	<0.5	0.5		µg/L	1	EPA601/602	N/A	4/21/98	CT	280421C
1,2-Dichlorobenzene	<0.5	0.5		µg/L	1	EPA601/602	N/A	4/21/98	CT	280421C
1,2-Dichloroethane	<0.5	0.5		µg/L	1	EPA601/602	N/A	4/21/98	CT	280421C
1,2-Dichloropropane	<0.5	0.5		µg/L	1	EPA601/602	N/A	4/21/98	CT	280421C
1,3-Dichlorobenzene	<0.5	0.5		µg/L	1	EPA601/602	N/A	4/21/98	CT	280421C
,4-Dichlorobenzene	<0.5	0.5		µg/L	1	EPA601/602	N/A	4/21/98	CT	280421C
2-Chloroethylvinylether	<5.0	5.0		µg/L	1	EPA601/602	N/A	4/21/98	CT	280421C
Benzene	<0.5	0.5		µg/L	1	EPA601/602	N/A	4/21/98	CT	280421C
Bromodichloromethane	<0.5	0.5		µg/L	1	EPA601/602	N/A	4/21/98	CT	280421C
Bromoform	<1.0	1.0		µg/L	1	EPA601/602	N/A	4/21/98	CT	280421C
Bromomethane	<5.0	5.0		µg/L	1	EPA601/602	N/A	4/21/98	CT	280421C
Carbon tetrachloride	<0.5	0.5		µg/L	1	EPA601/602	N/A	4/21/98	CT	280421C
Chlorobenzene	<0.5	0.5		µg/L	1	EPA601/602	N/A	4/21/98	CT	280421C
Chloroethane	<0.5	0.5		µg/L	1	EPA601/602	N/A	4/21/98	CT	280421C
Chloroform	<0.5	0.5		µg/L	1	EPA601/602	N/A	4/21/98	CT	280421C
Chloromethane	<0.5	0.5		µg/L	1	EPA601/602	N/A	4/21/98	CT	280421C
cis-1,2-Dichloroethene	<0.5	0.5		µg/L	1	EPA601/602	N/A	4/21/98	CT	280421C
cis-1,3-Dichloropropene	<0.5	0.5		µg/L	1	EPA601/602	N/A	4/21/98	CT	280421C
Dibromochloromethane	<0.5	0.5		µg/L	1	EPA601/602	N/A	4/21/98	CT	280421C
Dichlorodifluoromethane	<1.0	1.0		µg/L	1	EPA601/602	N/A	4/21/98	CT	280421C
Ethylbenzene	<0.5	0.5		µg/L	1	EPA601/602	N/A	4/21/98	CT	280421C
p-Xylene	<1.0	1.0		µg/L	1	EPA601/602	N/A	4/21/98	CT	280421C
ethyl tert-butyl ether	<5.0	5.0		µg/L	1	EPA601/602	N/A	4/21/98	CT	280421C
Methylene chloride	<2.0	2.0		µg/L	1	EPA601/602	N/A	4/21/98	CT	280421C
o-Xylene	<0.5	0.5		µg/L	1	EPA601/602	N/A	4/21/98	CT	280421C
Tetrachloroethene	<0.5	0.5		µg/L	1	EPA601/602	N/A	4/21/98	CT	280421C
Toluene	<0.5	0.5		µg/L	1	EPA601/602	N/A	4/21/98	CT	280421C
trans-1,2-Dichloroethene	<0.5	0.5		µg/L	1	EPA601/602	N/A	4/21/98	CT	280421C
trans-1,3-Dichloropropene	<0.5	0.5		µg/L	1	EPA601/602	N/A	4/21/98	CT	280421C
Trichloroethene	<0.5	0.5		µg/L	1	EPA601/602	N/A	4/21/98	CT	280421C
Trichlorofluoromethane	<1.0	1.0		µg/L	1	EPA601/602	N/A	4/21/98	CT	280421C
Trichlorotrifluoroethane	<5.0	5.0		µg/L	1	EPA601/602	N/A	4/21/98	CT	280421C
Vinyl chloride	<0.5	0.5		µg/L	1	EPA601/602	N/A	4/21/98	CT	280421C
1-Chloro-4-fluorobenzene (ELCD)	124	70-130		%REC	1	EPA601/602	N/A	4/21/98	CT	280421C
1-Chloro-4-fluorobenzene (PID)	123	70-130		%REC	1	EPA601/602	N/A	4/21/98	CT	280421C

Qualifiers:

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank
E - Value above quantitation range
H - Analyzed past EPA recommended Holding Time
D - Surrogate diluted out

Confidential and Privileged

McKENZIE LABORATORIES

Date: 06-May-98

CLIENT: GEC, Inc.
Work Order: 9804174
Project: 94-0069I

QC SUMMARY REPORT

Sample Duplicate

Analyte	Result	PQL	Units	RPD Ref Val	% RPD	RPD Limit	Test Code	Date Prepared	Date Analyzed	Analyst	Qual
Sample ID: **9804174-04CD** Batch ID: CN_W-4/21/98											
Client ID: **Tank**											
Cyanide, Total	<0.010	0.010	mg/L	<0.010	0%	20	SM4500-CN CE	4/21/98	4/21/98	HO	
Sample ID: **9804174-04BD** Batch ID: 1421A											
Client ID: **Tank**											
Barium	0.1178	0.05	mg/L	0.1171	1%	20	EPA200.7	4/20/98	4/21/98	JLC	
Boron	0.7982	0.10	mg/L	0.7774	3%	20	EPA200.7	4/20/98	4/21/98	JLC	
Copper	<0.05	0.05	mg/L	<0.05	0%	20	EPA200.7	4/20/98	4/21/98	JLC	
Manganese	0.06170	0.05	mg/L	0.06050	2%	20	EPA200.7	4/20/98	4/21/98	JLC	
Silver	<0.05	0.05	mg/L	<0.05	0%	20	EPA200.7	4/20/98	4/21/98	JLC	
Zinc	0.3044	0.05	mg/L	0.2934	4%	20	EPA200.7	4/20/98	4/21/98	JLC	
Sample ID: **9804174-04BD** Batch ID: 1421B											
Client ID: **Tank**											
Arsenic	0.007300	0.0050	mg/L	0.008600	16%	20	EPA200.7	4/20/98	4/22/98	CMM	
Cadmium	<0.00050	0.00050	mg/L	<0.00050	0%	20	EPA200.7	4/20/98	4/22/98	CMM	
Lead	<0.0050	0.0050	mg/L	<0.0050	0%	20	EPA200.7	4/20/98	4/22/98	CMM	
Selenium	<0.0050	0.0050	mg/L	<0.0050	0%	20	EPA200.7	4/20/98	4/22/98	CMM	
Sample ID: **9804102-02CD** Batch ID: 1415											
Client ID:											
Mercury	<0.0002	0.0002	mg/L	<0.0002	0%	20	EPA245.1	4/20/98	4/20/98	BL	

Qualifiers:

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank
E - Value above quantitation range
H - Analyzed past EPA recommended Holding Time
D - Surrogate diluted out

Confidential and Privileged

McKENZIE LABORATORIES

Date: 06-May-98

CLIENT: GEC, Inc.
Work Order: 9804174
Project: 94-0069I

QC SUMMARY REPORT

Sample Matrix Spike

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Sample ID: **9804174-04CS**	Batch ID: CN_W-4/21/98			Test Code: SM4500-CN CE				Date Analyzed: 4/21/98			
Client ID: **Tank**				Units: mg/L				Date Prepared: 4/21/98			
Cyanide, Total	<0.010	0.010	0.125	<0.010	0%	80	120				S
Sample ID: **9804174-04BS**	Batch ID: 1421A			Test Code: EPA200.7				Date Analyzed: 4/21/98			
Client ID: **Tank**				Units: mg/L				Date Prepared: 4/20/98			
Barium	4.806	0.05	5	0.1171	94%	70	130				
Boron	5.380	0.10	5	0.7774	92%	70	130				
Copper	0.9747	0.05	1	<0.05	97%	70	130				
Manganese	1.026	0.05	1	0.06050	97%	70	130				
Silver	1.008	0.05	1	<0.05	101%	70	130				
Zinc	1.275	0.05	1	0.2934	98%	70	130				
Sample ID: **9804174-04BS**	Batch ID: 1421B			Test Code: EPA200.7				Date Analyzed: 4/22/98			
Client ID: **Tank**				Units: mg/L				Date Prepared: 4/20/98			
Arsenic	1.051	0.0050	1	0.008600	104%	70	130				
Cadmium	0.9494	0.00050	1	<0.00050	95%	70	130				
Lead	0.8837	0.0050	1	<0.0050	88%	70	130				
Selenium	0.9784	0.0050	1	<0.0050	98%	70	130				
Sample ID: **9804102-02CS**	Batch ID: 1415			Test Code: EPA245.1				Date Analyzed: 4/20/98			
Client ID:				Units: mg/L				Date Prepared: 4/20/98			
Mercury	0.0009641	0.0002	0.001	<0.0002	96%	70	130				

Qualifiers:

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank
E - Value above quantitation range
H - Analyzed past EPA recommended Holding Time
D - Surrogate diluted out

Confidential and Privileged

McKENZIE LABORATORIES

Date: 06-May-98

CLIENT: GEC, Inc.
Work Order: 9804174
Project: 94-0069I

QC SUMMARY REPORT
Analytical Spike

Analyte	Result	PQL	Units	Spike Value	Spike Ref Val	% Rec	Limit	Date Prepared	Date Analyzed	Analyst	Qual
Sample ID: **9804174-04CA**			Test Code:	SM4500-CN CE					Batch ID:	CN_W-4/21/98	
Cyanide, Total	0.1634	0.020	mg/L	0.25	<0.020	65%	80 - 120	4/21/98	4/21/98	HO	S

Qualifiers:

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank
E - Value above quantitation range
H - Analyzed past EPA recommended Holding Time
D - Surrogate diluted out

Confidential and Privileged

McKENZIE LABORATORIES

Date: 06-May-98

CLIENT: GEC, Inc.
Work Order: 9804174
Project: 94-0069I

QC SUMMARY REPORT

Blank Spike (primary source)

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Sample ID: **LCS**	Batch ID: CN_W-4/21/98			Test Code: SM4500-CN CE				Date Analyzed: 4/21/98			
				Units: mg/L				Date Prepared: 4/21/98			
Cyanide, Total	0.1265	0.010	0.125	<0.010	101%	80	120				
Sample ID: **LCS-1421**	Batch ID: 1421A			Test Code: EPA200.7				Date Analyzed: 4/21/98			
				Units: mg/L				Date Prepared: 4/20/98			
Barium	4.977	0.05	5	<0.05	100%	85	115				
Boron	4.867	0.10	5	<0.10	97%	85	115				
Copper	0.9953	0.05	1	<0.05	100%	85	115				
Manganese	1.001	0.05	1	<0.05	100%	85	115				
Silver	1.104	0.05	1	<0.05	110%	85	115				
Zinc	1.004	0.05	1	<0.05	100%	85	115				
Sample ID: **LCS-1421**	Batch ID: 1421B			Test Code: EPA200.7				Date Analyzed: 4/22/98			
				Units: mg/L				Date Prepared: 4/20/98			
Arsenic	1.019	0.0050	1	<0.0050	102%	85	115				
Cadmium	0.9613	0.00050	1	<0.00050	96%	85	115				
Lead	0.9020	0.0050	1	<0.0050	90%	85	115				
Selenium	0.9731	0.0050	1	<0.0050	97%	85	115				
Sample ID: **LCS-1415**	Batch ID: 1415			Test Code: EPA245.1				Date Analyzed: 4/20/98			
				Units: mg/L				Date Prepared: 4/20/98			
Mercury	0.001191	0.0002	0.001	<0.0002	119%	85	115				S
Sample ID: **LCSD280421C**	Batch ID: 280421C			Test Code: EPA601/602				Date Analyzed: 4/22/98			
				Units: µg/L				Date Prepared: N/A			
1,1,1-Trichloroethane	21.90	0.5	20	<0.5	110%	70	130	21.20	3%	20	
1,1-Dichloroethene	20.30	0.5	20	<0.5	102%	70	130	22.00	8%	20	
1,2-Dichlorobenzene	21.70	0.5	20	<0.5	109%	70	130	19.50	11%	20	
Benzene	21.40	0.5	20	<0.5	107%	70	130	21.20	1%	20	
Tetrachloroethene	22.20	0.5	20	<0.5	111%	70	130	20.80	7%	20	
Toluene	21.40	0.5	20	<0.5	107%	70	130	19.90	7%	20	
Trichloroethene	22.40	0.5	20	<0.5	112%	70	130	21.00	6%	20	
1-Chloro-4-fluorobenzene (ELCD)	24.20	N/A	20	N/A	121%	70	130				
1-Chloro-4-fluorobenzene (PID)	23.50	N/A	20	N/A	118%	70	130				

Qualifiers:

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank
E - Value above quantitation range
H - Analyzed past EPA recommended Holding Time
D - Surrogate diluted out

Confidential and Privileged

McKENZIE LABORATORIES

Date: 06-May-98

CLIENT: GEC, Inc.
Work Order: 9804174
Project: 94-0069I

QC SUMMARY REPORT

Blank Spike (primary source)

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Sample ID: **LCS280421C**	Batch ID: 280421C			Test Code: EPA601/602				Date Analyzed: 4/22/98			
				Units: µg/L				Date Prepared: N/A			
1,1,1-Trichloroethane	21.20	0.5	20	<0.5	106%	70	130				
1,1-Dichloroethene	22.00	0.5	20	<0.5	110%	70	130				
1,2-Dichlorobenzene	19.50	0.5	20	<0.5	98%	70	130				
Benzene	21.20	0.5	20	<0.5	106%	70	130				
Tetrachloroethene	20.80	0.5	20	<0.5	104%	70	130				
Toluene	19.90	0.5	20	<0.5	99%	70	130				
Trichloroethene	21.00	0.5	20	<0.5	105%	70	130				
Chloro-4-fluorobenzene (ELCD)	24.20	N/A	20	N/A	121%	70	130				
1-Chloro-4-fluorobenzene (PID)	23.50	N/A	20	N/A	118%	70	130				

Qualifiers:

S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
H - Analyzed past EPA recommended Holding Time
R - RPD outside accepted recovery limits
E - Value above quantitation range
D - Surrogate diluted out

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McKENZIE LABORATORIES

Date: 06-May-98

CLIENT: GEC, Inc.
Work Order: 9804174
Project: 94-0069I

QC SUMMARY REPORT

Secondary Source QC Sample

Analyte	Result	PQL	Units	Spike Value	Spike Ref Val	% Rec	Limit	Date Prepared	Date Analyzed	Analyst	Qual
Sample ID: LCSV			Test Code:	SM4500-CN CE				Batch ID:	CN_W-4/21/98		
Cyanide, Total	0.1278	0.010	mg/L	0.125	<0.010	102%	90 - 110	4/21/98	4/21/98	HO	
Sample ID: LCSV-1415			Test Code:	EPA245.1				Batch ID:	1415		
Mercury	0.001062	0.0002	mg/L	0.001	<0.0002	106%	90 - 110	4/20/98	4/20/98	BL	
Sample ID: LCSV280421C			Test Code:	EPA601/602				Batch ID:	280421C		
1,1,1-Trichloroethane	23.80	0.5	µg/L	20	<0.5	119%	70 - 130	N/A	4/22/98	CT	
1,1-Dichloroethene	23.60	0.5	µg/L	20	<0.5	118%	70 - 130	N/A	4/22/98	CT	
1,2-Dichlorobenzene	23.80	0.5	µg/L	20	<0.5	119%	70 - 130	N/A	4/22/98	CT	
Benzene	24.20	0.5	µg/L	20	<0.5	121%	70 - 130	N/A	4/22/98	CT	
Tetrachloroethene	24.30	0.5	µg/L	20	<0.5	122%	70 - 130	N/A	4/22/98	CT	
Toluene	23.10	0.5	µg/L	20	<0.5	116%	70 - 130	N/A	4/22/98	CT	
Trichloroethene	22.20	0.5	µg/L	20	<0.5	111%	70 - 130	N/A	4/22/98	CT	
1-Chloro-4-fluorobenzene (ELCD)	21.60	N/A	µg/L	20	N/A	108%	70 - 130	N/A	4/22/98	CT	
1-Chloro-4-fluorobenzene (PID)	20.30	N/A	µg/L	20	N/A	102%	70 - 130	N/A	4/22/98	CT	

Qualifiers:

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank
E - Value above quantitation range
H - Analyzed past EPA recommended Holding Time
D - Surrogate diluted out

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McKENZIE LABORATORIES

Chain of Custody 9804174

McKenzie Labs
3725 E. Atlanta Ave.
Phoenix, AZ 85040
(602) 470-0288
FAX (602) 470-0756

DATE 4/15/98 PAGE 1 of 1

PROJECT MANAGER: Steve Smelser

COMPANY: GEC

ADDRESS: 2447 W. 12th St. Suite 4
Tempe, AZ 85281

BILL TO: Same

COMPANY:

ADDRESS:

David Foreman 966-8821 966-8631
SAMPLERS: (Signature) FAX NUMBER PHONE NUMBER

ANALYSIS REQUEST

SAMPLE ID	PRES.	TYPE OF CONTAINER	DATE	TIME	MATRIX	LAB ID	Petroleum Hydrocarbons (418.1 / 418.1 AZ)	BTXE (8021)	Chlorinated Hydrocarbons (601/8021)	Aromatic Hydrocarbons (602/8021) + MTBE	Organochlorine Pesticides (608/8081)	Chlorinated Herbicides (615/8151)	Organophosphate Pesticides (614/8141)	Semi-Volatile Organics GC/MS (625/8270)	Volatile Organics GC/MS (624/8240)	SDWA Primary Standards	SDWA Secondary Standards	SDWA Volatiles (502.1/503.1/502.2)	The 13 Priority Pollutant Metals	The 8 RCRA Metals by TCLP (1311)	Metals* Total Cyanide 335.5	NUMBER OF CONTAINERS
PS-2			4/15/98	1342	Water	01A			/													3
PS-4			"	1207	"	02A			/													3
Equipment Blank			"	1418	"	03A			/													3
Tank			"	1445	"	04A,B,C			/	/											/ /	2
Trip Blank						05A			/	/												2

PROJECT INFORMATION	SAMPLE RECEIPT	
PROJECT NO: 94-0069I	TOTAL NO. OF CONTAINERS:	10
PROJECT NAME: —	CHAIN OF CUSTODY SEALS:	yes
P.O. NO.: 94-0069I	RECEIVED INTACT:	yes
SHIPPED VIA:	TEMPERATURE: AMBIENT / (COLD)	
SAMPLE DISPOSAL INSTRUCTIONS*	ICE: (PRESENT) / ABSENT	
☐ McKENZIE ☐ RETURN	WET / BLUE	

PRIOR AUTHORIZATION IS REQUIRED FOR RUSH PROJECTS

TAT: (NORMAL) ☒ (RUSH) ☐ 24 ☐ 48 ☐ 72 ☐ 1 WEEK

Comments: *Selenium 270.2, Arsenic 206.2, Cadmium 213.2, Mercury 245.1, Silver, Boron, Copper, Manganese, Barium, Zinc 200.7, Lead 239.2

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature: David Foreman Time: 1716	Signature: Time:	Signature: Time:
Printed Name: David Foreman Date: 4/15/98	Printed Name: Date:	Printed Name: Date:
Company: GEC	Company:	Company:
RECEIVED BY: 1.	**RECEIVED BY: 2.**	**RECEIVED BY: 3.**
Signature: Time: 1716	Signature: Time:	Signature: Time:
Printed Name: DAVID BENTS Date: 15 APR 98	Printed Name: Date:	Printed Name: Date:
Company: McKENZIE	Company:	Company:

* Samples will be discarded / returned after 60 days

White, Canary: McKenzie Labs Pink: Originator

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MAR 05 1998
ENVIRONMENTAL TECHNOLOGY

Columbia Analytical Services INC.

March 3, 1998

Bill Vittal
Environmental Technology
2541 E. University Dr.
Phoenix, AZ 85034

Re: State Tractor / Project #1786 CS

Dear Bill:

Enclosed are the results of the samples submitted to our laboratory on February 24, 1998. For your reference, these analyses have been assigned our service request number X9801179.

All analyses were performed according to our laboratory's quality assurance program. All results are intended to be considered in their entirety, and Columbia Analytical Services, Inc. (CAS) is not responsible for use of less than the complete report. Results apply only to the samples analyzed. Columbia Analytical Services, Inc. is certified for environmental analyses by the Arizona Department of Health Services (Certificate #AZ0497).

Please call if you have any questions. My extension is 15.

Respectfully submitted,

Columbia Analytical Services, Inc.

Greg Jordan
Lab Manager

GRJ/lm

3902 East University Drive, Suite D2 ▪ Phoenix, AZ 85034 ▪ (602) 437-2001 ▪ 800-695-7222 ▪ Fax (602) 437-5308

COLUMBIA ANALYTICAL SERVICES, INC.

Client:	Environmental Technolgy	**Service Request No.:**	X9801179
Project:	State Tractor / #1786 CS	**Date Received:**	2/24/98
Sample Matrix:	Water		

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of Columbia Analytical Services, Inc. (CAS). This report contains analytical results for sample(s) designated for Tier II data deliverables. When appropriate to the method, method blank results have been reported with each analytical test. Surrogate recoveries have been reported for all applicable organic analyses. Additional quality control analyses reported herein include: Laboratory Duplicate (DUP), Matrix Spike (MS), Matrix/Duplicate Matrix Spike (MS/DMS), and Laboratory Control Sample (LCS).

All EPA recommended holding times have been met for analyses in this sample delivery group.

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ENVIRONMENTAL TECHNOLOGY

Approved by _____ Date 3/3/98

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Environmental Technology	**Service Request:**	X9801179
Project:	State Tractor/#1786CS	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA

Volatile Organic Compounds

Sample Name:	Method Blank	Units:	ug/L (ppb)
Lab Code:	X980225-MB	Basis:	NA
Test Notes:	†		

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Benzene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Bromobenzene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Bromochloromethane	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Bromodichloromethane	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Bromoform	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Bromomethane	METHOD	524.2	0.5	1	NA	2/25/98	ND	
n-Butylbenzene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
sec-Butylbenzene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
tert-Butylbenzene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Carbon Tetrachloride	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Chlorobenzene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Chloroethane	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Chloroform	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Chloromethane	METHOD	524.2	0.5	1	NA	2/25/98	ND	
2-Chlorotoluene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
4-Chlorotoluene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Dibromochloromethane	METHOD	524.2	0.5	1	NA	2/25/98	ND	
1,2-Dibromo-3-chloropropane	METHOD	524.2	0.5	1	NA	2/25/98	ND	
1,2-Dibromoethane	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Dibromomethane	METHOD	524.2	0.5	1	NA	2/25/98	ND	
1,2-Dichlorobenzene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
1,3-Dichlorobenzene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
1,4-Dichlorobenzene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Dichlorodifluoromethane	METHOD	524.2	0.5	1	NA	2/25/98	ND	
1,1-Dichloroethane	METHOD	524.2	0.5	1	NA	2/25/98	ND	
1,1-Dichloroethene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
1,2-Dichloroethane	METHOD	524.2	0.5	1	NA	2/25/98	ND	
cis-1,2-Dichloroethene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
trans-1,2-Dichloroethene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
1,2-Dichloropropane	METHOD	524.2	0.5	1	NA	2/25/98	ND	
1,3-Dichloropropane	METHOD	524.2	0.5	1	NA	2/25/98	ND	

† As stated in the Site Characterization Guidance and Report Form (Rev. Feb. 1995), the Arizona Department of Environmental Quality has approved EPA Method 524.2 as a substitute for EPA Methods 503.1 and 502.2.

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Approved By: _____ Date: 3/3/98

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Environmental Technology	**Service Request:**	X9801179
Project:	State Tractor/#1786CS	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA

Volatile Organic Compounds

Sample Name:	Method Blank	Units:	ug/L (ppb)
Lab Code:	X980225-MB	Basis:	NA
Test Notes:	†		

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
2,2-Dichloropropane	METHOD	524.2	0.5	1	NA	2/25/98	ND	
1,1-Dichloropropene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
cis-1,3-Dichloropropene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
trans-1,3-Dichloropropene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Ethylbenzene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Hexachlorobutadiene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Isopropylbenzene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
4-Isopropyltoluene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Methylene chloride	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Naphthalene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
n-Propylbenzene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Styrene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
1,1,1,2-Tetrachloroethane	METHOD	524.2	0.5	1	NA	2/25/98	ND	
1,1,2,2-Tetrachloroethane	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Tetrachloroethene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Toluene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
1,2,3-Trichlorobenzene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
1,2,4-Trichlorobenzene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
1,1,1-Trichloroethane	METHOD	524.2	0.5	1	NA	2/25/98	ND	
1,1,2-Trichloroethane	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Trichloroethene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Trichlorofluoromethane	METHOD	524.2	0.5	1	NA	2/25/98	ND	
1,2,3-Trichloropropane	METHOD	524.2	0.5	1	NA	2/25/98	ND	
1,2,4-Trimethylbenzene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
1,3,5-Trimethylbenzene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Vinyl chloride	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Total Xylenes	METHOD	524.2	0.5	1	NA	2/25/98	ND	

† As stated in the Site Characterization Guidance and Report Form (Rev. Feb. 1995), the Arizona Department of Environmental Quality has approved EPA Method 524.2 as a substitute for EPA Methods 503.1 and 502.2.

Approved By: _____ Date: 3/3/98
1S2p/020597p

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COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Environmental Technology	**Service Request:**	X9801179
Project:	State Tractor/#1786CS	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA

Volatile Organic Compounds

Sample Name:	Method Blank	Units:	ug/L (ppb)
Lab Code:	X980226-MB	Basis:	NA
Test Notes:	†		

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Benzene	METHOD	524.2	0.5	1	NA	2/26/98	ND	
Bromobenzene	METHOD	524.2	0.5	1	NA	2/26/98	ND	
Bromochloromethane	METHOD	524.2	0.5	1	NA	2/26/98	ND	
Bromodichloromethane	METHOD	524.2	0.5	1	NA	2/26/98	ND	
Bromoform	METHOD	524.2	0.5	1	NA	2/26/98	ND	
Bromomethane	METHOD	524.2	0.5	1	NA	2/26/98	ND	
n-Butylbenzene	METHOD	524.2	0.5	1	NA	2/26/98	ND	
sec-Butylbenzene	METHOD	524.2	0.5	1	NA	2/26/98	ND	
tert-Butylbenzene	METHOD	524.2	0.5	1	NA	2/26/98	ND	
Carbon Tetrachloride	METHOD	524.2	0.5	1	NA	2/26/98	ND	
Chlorobenzene	METHOD	524.2	0.5	1	NA	2/26/98	ND	
Chloroethane	METHOD	524.2	0.5	1	NA	2/26/98	ND	
Chloroform	METHOD	524.2	0.5	1	NA	2/26/98	ND	
Chloromethane	METHOD	524.2	0.5	1	NA	2/26/98	ND	
2-Chlorotoluene	METHOD	524.2	0.5	1	NA	2/26/98	ND	
4-Chlorotoluene	METHOD	524.2	0.5	1	NA	2/26/98	ND	
Dibromochloromethane	METHOD	524.2	0.5	1	NA	2/26/98	ND	
1,2-Dibromo-3-chloropropane	METHOD	524.2	0.5	1	NA	2/26/98	ND	
1,2-Dibromoethane	METHOD	524.2	0.5	1	NA	2/26/98	ND	
Dibromomethane	METHOD	524.2	0.5	1	NA	2/26/98	ND	
1,2-Dichlorobenzene	METHOD	524.2	0.5	1	NA	2/26/98	ND	
1,3-Dichlorobenzene	METHOD	524.2	0.5	1	NA	2/26/98	ND	
1,4-Dichlorobenzene	METHOD	524.2	0.5	1	NA	2/26/98	ND	
Dichlorodifluoromethane	METHOD	524.2	0.5	1	NA	2/26/98	ND	
1,1-Dichloroethane	METHOD	524.2	0.5	1	NA	2/26/98	ND	
1,1-Dichloroethene	METHOD	524.2	0.5	1	NA	2/26/98	ND	
1,2-Dichloroethane	METHOD	524.2	0.5	1	NA	2/26/98	ND	
cis-1,2-Dichloroethene	METHOD	524.2	0.5	1	NA	2/26/98	ND	
trans-1,2-Dichloroethene	METHOD	524.2	0.5	1	NA	2/26/98	ND	
1,2-Dichloropropane	METHOD	524.2	0.5	1	NA	2/26/98	ND	
1,3-Dichloropropane	METHOD	524.2	0.5	1	NA	2/26/98	ND	

† As stated in the Site Characterization Guidance and Report Form (Rev. Feb. 1995), the Arizona Department of Environmental Quality has approved EPA Method 524.2 as a substitute for EPA Methods 503.1 and 502.2.

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ENVIRONMENTAL TECHNOLOGY

Approved By: _____ Date: 3/3/98

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Environmental Technology	**Service Request:**	X9801179
Project:	State Tractor/#1786CS	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA

Volatile Organic Compounds

Sample Name:	Method Blank	Units:	ug/L (ppb)
Lab Code:	X980226-MB	Basis:	NA
Test Notes:	†		

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
2,2-Dichloropropane	METHOD	524.2	0.5	1	NA	2/26/98	ND	
1,1-Dichloropropene	METHOD	524.2	0.5	1	NA	2/26/98	ND	
cis-1,3-Dichloropropene	METHOD	524.2	0.5	1	NA	2/26/98	ND	
trans-1,3-Dichloropropene	METHOD	524.2	0.5	1	NA	2/26/98	ND	
Ethylbenzene	METHOD	524.2	0.5	1	NA	2/26/98	ND	
Hexachlorobutadiene	METHOD	524.2	0.5	1	NA	2/26/98	ND	
Isopropylbenzene	METHOD	524.2	0.5	1	NA	2/26/98	ND	
4-Isopropyltoluene	METHOD	524.2	0.5	1	NA	2/26/98	ND	
Methylene chloride	METHOD	524.2	0.5	1	NA	2/26/98	ND	
Naphthalene	METHOD	524.2	0.5	1	NA	2/26/98	ND	
n-Propylbenzene	METHOD	524.2	0.5	1	NA	2/26/98	ND	
Styrene	METHOD	524.2	0.5	1	NA	2/26/98	ND	
1,1,1,2-Tetrachloroethane	METHOD	524.2	0.5	1	NA	2/26/98	ND	
1,1,2,2-Tetrachloroethane	METHOD	524.2	0.5	1	NA	2/26/98	ND	
Tetrachloroethene	METHOD	524.2	0.5	1	NA	2/26/98	ND	
Toluene	METHOD	524.2	0.5	1	NA	2/26/98	ND	
1,2,3-Trichlorobenzene	METHOD	524.2	0.5	1	NA	2/26/98	ND	
1,2,4-Trichlorobenzene	METHOD	524.2	0.5	1	NA	2/26/98	ND	
1,1,1-Trichloroethane	METHOD	524.2	0.5	1	NA	2/26/98	ND	
1,1,2-Trichloroethane	METHOD	524.2	0.5	1	NA	2/26/98	ND	
Trichloroethene	METHOD	524.2	0.5	1	NA	2/26/98	ND	
Trichlorofluoromethane	METHOD	524.2	0.5	1	NA	2/26/98	ND	
1,2,3-Trichloropropane	METHOD	524.2	0.5	1	NA	2/26/98	ND	
1,2,4-Trimethylbenzene	METHOD	524.2	0.5	1	NA	2/26/98	ND	
1,3,5-Trimethylbenzene	METHOD	524.2	0.5	1	NA	2/26/98	ND	
Vinyl chloride	METHOD	524.2	0.5	1	NA	2/26/98	ND	
Total Xylenes	METHOD	524.2	0.5	1	NA	2/26/98	ND	

† As stated in the Site Characterization Guidance and Report Form (Rev. Feb. 1995), the Arizona Department of Environmental Quality has approved EPA Method 524.2 as a substitute for EPA Methods 503.1 and 502.2.

Approved By: Greg Jonth Date: 3/3/98
1S2p/020597p

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ENVIRONMENTAL TECHNOLOGY

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Environmental Technology	**Service Request:**	X9801179
Project:	State Tractor/#1786CS	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA

Volatile Organic Compounds

Sample Name:	Method Blank	Units:	ug/L (ppb)
Lab Code:	X980227-MB	Basis:	NA
Test Notes:	†		

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Benzene	METHOD	524.2	0.5	1	NA	2/27/98	ND	
Bromobenzene	METHOD	524.2	0.5	1	NA	2/27/98	ND	
Bromochloromethane	METHOD	524.2	0.5	1	NA	2/27/98	ND	
Bromodichloromethane	METHOD	524.2	0.5	1	NA	2/27/98	ND	
Bromoform	METHOD	524.2	0.5	1	NA	2/27/98	ND	
Bromomethane	METHOD	524.2	0.5	1	NA	2/27/98	ND	
n-Butylbenzene	METHOD	524.2	0.5	1	NA	2/27/98	ND	
sec-Butylbenzene	METHOD	524.2	0.5	1	NA	2/27/98	ND	
tert-Butylbenzene	METHOD	524.2	0.5	1	NA	2/27/98	ND	
Carbon Tetrachloride	METHOD	524.2	0.5	1	NA	2/27/98	ND	
Chlorobenzene	METHOD	524.2	0.5	1	NA	2/27/98	ND	
Chloroethane	METHOD	524.2	0.5	1	NA	2/27/98	ND	
Chloroform	METHOD	524.2	0.5	1	NA	2/27/98	ND	
Chloromethane	METHOD	524.2	0.5	1	NA	2/27/98	ND	
2-Chlorotoluene	METHOD	524.2	0.5	1	NA	2/27/98	ND	
4-Chlorotoluene	METHOD	524.2	0.5	1	NA	2/27/98	ND	
Dibromochloromethane	METHOD	524.2	0.5	1	NA	2/27/98	ND	
1,2-Dibromo-3-chloropropane	METHOD	524.2	0.5	1	NA	2/27/98	ND	
1,2-Dibromoethane	METHOD	524.2	0.5	1	NA	2/27/98	ND	
Dibromomethane	METHOD	524.2	0.5	1	NA	2/27/98	ND	
1,2-Dichlorobenzene	METHOD	524.2	0.5	1	NA	2/27/98	ND	
1,3-Dichlorobenzene	METHOD	524.2	0.5	1	NA	2/27/98	ND	
1,4-Dichlorobenzene	METHOD	524.2	0.5	1	NA	2/27/98	ND	
Dichlorodifluoromethane	METHOD	524.2	0.5	1	NA	2/27/98	ND	
1,1-Dichloroethane	METHOD	524.2	0.5	1	NA	2/27/98	ND	
1,1-Dichloroethene	METHOD	524.2	0.5	1	NA	2/27/98	ND	
1,2-Dichloroethane	METHOD	524.2	0.5	1	NA	2/27/98	ND	
cis-1,2-Dichloroethene	METHOD	524.2	0.5	1	NA	2/27/98	ND	
trans-1,2-Dichloroethene	METHOD	524.2	0.5	1	NA	2/27/98	ND	
1,2-Dichloropropane	METHOD	524.2	0.5	1	NA	2/27/98	ND	
1,3-Dichloropropane	METHOD	524.2	0.5	1	NA	2/27/98	ND	

† As stated in the Site Characterization Guidance and Report Form (Rev. Feb. 1995), the Arizona Department of Environmental Quality has approved EPA Method 524.2 as a substitute for EPA Methods 503.1 and 502.2.

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ENVIRONMENTAL TECHNOLOGY

Approved By: Grey Jonhn Date: 3/3/98

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Environmental Technology	**Service Request:**	X9801179
Project:	State Tractor/#1786CS	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA

Volatile Organic Compounds

Sample Name:	Method Blank	Units:	ug/L (ppb)
Lab Code:	X980227-MB	Basis:	NA
Test Notes:	†		

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
2,2-Dichloropropane	METHOD	524.2	0.5	1	NA	2/27/98	ND	
1,1-Dichloropropene	METHOD	524.2	0.5	1	NA	2/27/98	ND	
cis-1,3-Dichloropropene	METHOD	524.2	0.5	1	NA	2/27/98	ND	
trans-1,3-Dichloropropene	METHOD	524.2	0.5	1	NA	2/27/98	ND	
Ethylbenzene	METHOD	524.2	0.5	1	NA	2/27/98	ND	
Hexachlorobutadiene	METHOD	524.2	0.5	1	NA	2/27/98	ND	
Isopropylbenzene	METHOD	524.2	0.5	1	NA	2/27/98	ND	
4-Isopropyltoluene	METHOD	524.2	0.5	1	NA	2/27/98	ND	
Methylene chloride	METHOD	524.2	0.5	1	NA	2/27/98	ND	
Naphthalene	METHOD	524.2	0.5	1	NA	2/27/98	ND	
n-Propylbenzene	METHOD	524.2	0.5	1	NA	2/27/98	ND	
Styrene	METHOD	524.2	0.5	1	NA	2/27/98	ND	
1,1,1,2-Tetrachloroethane	METHOD	524.2	0.5	1	NA	2/27/98	ND	
1,1,2,2-Tetrachloroethane	METHOD	524.2	0.5	1	NA	2/27/98	ND	
Tetrachloroethene	METHOD	524.2	0.5	1	NA	2/27/98	ND	
Toluene	METHOD	524.2	0.5	1	NA	2/27/98	ND	
1,2,3-Trichlorobenzene	METHOD	524.2	0.5	1	NA	2/27/98	ND	
1,2,4-Trichlorobenzene	METHOD	524.2	0.5	1	NA	2/27/98	ND	
1,1,1-Trichloroethane	METHOD	524.2	0.5	1	NA	2/27/98	ND	
1,1,2-Trichloroethane	METHOD	524.2	0.5	1	NA	2/27/98	ND	
Trichloroethene	METHOD	524.2	0.5	1	NA	2/27/98	ND	
Trichlorofluoromethane	METHOD	524.2	0.5	1	NA	2/27/98	ND	
1,2,3-Trichloropropane	METHOD	524.2	0.5	1	NA	2/27/98	ND	
1,2,4-Trimethylbenzene	METHOD	524.2	0.5	1	NA	2/27/98	ND	
1,3,5-Trimethylbenzene	METHOD	524.2	0.5	1	NA	2/27/98	ND	
Vinyl chloride	METHOD	524.2	0.5	1	NA	2/27/98	ND	
Total Xylenes	METHOD	524.2	0.5	1	NA	2/27/98	ND	

† As stated in the Site Characterization Guidance and Report Form (Rev. Feb. 1995), the Arizona Department of Environmental Quality has approved EPA Method 524.2 as a substitute for EPA Methods 503.1 and 502.2.

Approved By: Greg Jonke Date: 3/3/98
1S2p/020597p

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ENVIRONMENTAL TECHNOLOGY

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Environmental Technology	**Service Request:**	X9801179
Project:	State Tractor/#1786CS	**Date Collected:**	2/24/98
Sample Matrix:	Water	**Date Received:**	2/24/98

Volatile Organic Compounds

Sample Name:	MW-1	Units:	ug/L (ppb)
Lab Code:	X9801179-001	Basis:	NA
Test Notes:	†		

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Benzene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Bromobenzene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Bromochloromethane	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Bromodichloromethane	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Bromoform	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Bromomethane	METHOD	524.2	0.5	1	NA	2/25/98	ND	
n-Butylbenzene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
sec-Butylbenzene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
tert-Butylbenzene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Carbon Tetrachloride	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Chlorobenzene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Chloroethane	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Chloroform	METHOD	524.2	0.5	1	NA	2/25/98	1.2	
Chloromethane	METHOD	524.2	0.5	1	NA	2/25/98	ND	
2-Chlorotoluene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
4-Chlorotoluene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Dibromochloromethane	METHOD	524.2	0.5	1	NA	2/25/98	ND	
1,2-Dibromo-3-chloropropane	METHOD	524.2	0.5	1	NA	2/25/98	ND	
1,2-Dibromoethane	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Dibromomethane	METHOD	524.2	0.5	1	NA	2/25/98	ND	
1,2-Dichlorobenzene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
1,3-Dichlorobenzene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
1,4-Dichlorobenzene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Dichlorodifluoromethane	METHOD	524.2	0.5	1	NA	2/25/98	ND	
1,1-Dichloroethane	METHOD	524.2	0.5	1	NA	2/25/98	1.4	
1,1-Dichloroethene	METHOD	524.2	0.5	1	NA	2/25/98	2.6	
1,2-Dichloroethane	METHOD	524.2	0.5	1	NA	2/25/98	ND	
cis-1,2-Dichloroethene	METHOD	524.2	0.5	1	NA	2/25/98	12	
trans-1,2-Dichloroethene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
1,2-Dichloropropane	METHOD	524.2	0.5	1	NA	2/25/98	ND	
1,3-Dichloropropane	METHOD	524.2	0.5	1	NA	2/25/98	ND	

† As stated in the Site Characterization Guidance and Report Form (Rev. Feb. 1995), the Arizona Department of Environmental Quality has approved EPA Method 524.2 as a substitute for EPA Methods 503.1 and 502.2.

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ENVIRONMENTAL TECHNOLOGY

Approved By: Jay Jonh Date: 3/3/98

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Environmental Technology	**Service Request:**	X9801179
Project:	State Tractor/#1786CS	**Date Collected:**	2/24/98
Sample Matrix:	Water	**Date Received:**	2/24/98

Volatile Organic Compounds

Sample Name:	MW-1	Units:	ug/L (ppb)
Lab Code:	X9801179-001	Basis:	NA
Test Notes:	†		

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
2,2-Dichloropropane	METHOD	524.2	0.5	1	NA	2/25/98	ND	
1,1-Dichloropropene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
cis-1,3-Dichloropropene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
trans-1,3-Dichloropropene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Ethylbenzene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Hexachlorobutadiene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Isopropylbenzene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
4-Isopropyltoluene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Methylene chloride	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Naphthalene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
n-Propylbenzene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Styrene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
1,1,1,2-Tetrachloroethane	METHOD	524.2	0.5	1	NA	2/25/98	ND	
1,1,2,2-Tetrachloroethane	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Tetrachloroethene	METHOD	524.2	0.5	1	NA	2/25/98	98	
Toluene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
1,2,3-Trichlorobenzene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
1,2,4-Trichlorobenzene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
1,1,1-Trichloroethane	METHOD	524.2	0.5	1	NA	2/25/98	ND	
1,1,2-Trichloroethane	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Trichloroethene	METHOD	524.2	0.5	1	NA	2/25/98	48	
Trichlorofluoromethane	METHOD	524.2	0.5	1	NA	2/25/98	ND	
1,2,3-Trichloropropane	METHOD	524.2	0.5	1	NA	2/25/98	ND	
1,2,4-Trimethylbenzene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
1,3,5-Trimethylbenzene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Vinyl chloride	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Total Xylenes	METHOD	524.2	0.5	1	NA	2/25/98	ND	

† As stated in the Site Characterization Guidance and Report Form (Rev. Feb. 1995), the Arizona Department of Environmental Quality has approved EPA Method 524.2 as a substitute for EPA Methods 503.1 and 502.2.

Approved By: Greg Jonk Date: 3/3/98

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ENVIRONMENTAL TECHNOLOGY

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Environmental Technology	**Service Request:**	X9801179
Project:	State Tractor/#1786CS	**Date Collected:**	2/24/98
Sample Matrix:	Water	**Date Received:**	2/24/98

Volatile Organic Compounds

Sample Name:	MW-3	Units:	ug/L (ppb)
Lab Code:	X9801179-002	Basis:	NA
Test Notes:	†		

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Benzene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Bromobenzene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Bromochloromethane	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Bromodichloromethane	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Bromoform	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Bromomethane	METHOD	524.2	0.5	1	NA	2/25/98	ND	
n-Butylbenzene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
sec-Butylbenzene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
tert-Butylbenzene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Carbon Tetrachloride	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Chlorobenzene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Chloroethane	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Chloroform	METHOD	524.2	0.5	1	NA	2/25/98	1.4	
Chloromethane	METHOD	524.2	0.5	1	NA	2/25/98	ND	
2-Chlorotoluene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
4-Chlorotoluene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Dibromochloromethane	METHOD	524.2	0.5	1	NA	2/25/98	ND	
1,2-Dibromo-3-chloropropane	METHOD	524.2	0.5	1	NA	2/25/98	ND	
1,2-Dibromoethane	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Dibromomethane	METHOD	524.2	0.5	1	NA	2/25/98	ND	
1,2-Dichlorobenzene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
1,3-Dichlorobenzene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
1,4-Dichlorobenzene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Dichlorodifluoromethane	METHOD	524.2	0.5	1	NA	2/25/98	ND	
1,1-Dichloroethane	METHOD	524.2	0.5	1	NA	2/25/98	0.8	
1,1-Dichloroethene	METHOD	524.2	0.5	1	NA	2/25/98	2.7	
1,2-Dichloroethane	METHOD	524.2	0.5	1	NA	2/25/98	ND	
cis-1,2-Dichloroethene	METHOD	524.2	0.5	1	NA	2/25/98	1.5	
trans-1,2-Dichloroethene	METHOD	524.2	0.5	1	NA	2/25/98	0.7	
1,2-Dichloropropane	METHOD	524.2	0.5	1	NA	2/25/98	ND	
1,3-Dichloropropane	METHOD	524.2	0.5	1	NA	2/25/98	ND	

† As stated in the Site Characterization Guidance and Report Form (Rev. Feb. 1995), the Arizona Department of Environmental Quality has approved EPA Method 524.2 as a substitute for EPA Methods 503.1 and 502.2.

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ENVIRONMENTAL TECHNOLOGY

Approved By: _____ Date: 3/3/98

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Environmental Technology	**Service Request:**	X9801179
Project:	State Tractor/#1786CS	**Date Collected:**	2/24/98
Sample Matrix:	Water	**Date Received:**	2/24/98

Volatile Organic Compounds

Sample Name:	MW-3	Units:	ug/L (ppb)
Lab Code:	X9801179-002	Basis:	NA
Test Notes:	†		

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
2,2-Dichloropropane	METHOD	524.2	0.5	1	NA	2/25/98	ND	
1,1-Dichloropropene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
cis-1,3-Dichloropropene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
trans-1,3-Dichloropropene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Ethylbenzene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Hexachlorobutadiene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Isopropylbenzene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
4-Isopropyltoluene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Methylene chloride	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Naphthalene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
n-Propylbenzene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Styrene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
1,1,1,2-Tetrachloroethane	METHOD	524.2	0.5	1	NA	2/25/98	ND	
1,1,2,2-Tetrachloroethane	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Tetrachloroethene	METHOD	524.2	0.5	1	NA	2/25/98	14	
Toluene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
1,2,3-Trichlorobenzene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
1,2,4-Trichlorobenzene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
1,1,1-Trichloroethane	METHOD	524.2	0.5	1	NA	2/25/98	ND	
1,1,2-Trichloroethane	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Trichloroethene	METHOD	524.2	0.5	1	NA	2/25/98	15	
Trichlorofluoromethane	METHOD	524.2	0.5	1	NA	2/25/98	ND	
1,2,3-Trichloropropane	METHOD	524.2	0.5	1	NA	2/25/98	ND	
1,2,4-Trimethylbenzene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
1,3,5-Trimethylbenzene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Vinyl chloride	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Total Xylenes	METHOD	524.2	0.5	1	NA	2/25/98	ND	

† As stated in the Site Characterization Guidance and Report Form (Rev. Feb. 1995), the Arizona Department of Environmental Quality has approved EPA Method 524.2 as a substitute for EPA Methods 503.1 and 502.2.

Approved By: Greg Jonke Date: 3/3/98
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ENVIRONMENTAL TECHNOLOGY

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Environmental Technology	**Service Request:**	X9801179
Project:	State Tractor/#1786CS	**Date Collected:**	2/24/98
Sample Matrix:	Water	**Date Received:**	2/24/98

Volatile Organic Compounds

Sample Name:	MW-6	Units:	ug/L (ppb)
Lab Code:	X9801179-003	Basis:	NA
Test Notes:	†		

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Benzene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Bromobenzene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Bromochloromethane	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Bromodichloromethane	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Bromoform	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Bromomethane	METHOD	524.2	0.5	1	NA	2/25/98	ND	
n-Butylbenzene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
sec-Butylbenzene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
tert-Butylbenzene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Carbon Tetrachloride	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Chlorobenzene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Chloroethane	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Chloroform	METHOD	524.2	0.5	1	NA	2/25/98	1.0	
Chloromethane	METHOD	524.2	0.5	1	NA	2/25/98	ND	
2-Chlorotoluene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
4-Chlorotoluene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Dibromochloromethane	METHOD	524.2	0.5	1	NA	2/25/98	ND	
1,2-Dibromo-3-chloropropane	METHOD	524.2	0.5	1	NA	2/25/98	ND	
1,2-Dibromoethane	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Dibromomethane	METHOD	524.2	0.5	1	NA	2/25/98	ND	
1,2-Dichlorobenzene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
1,3-Dichlorobenzene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
1,4-Dichlorobenzene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Dichlorodifluoromethane	METHOD	524.2	0.5	1	NA	2/25/98	ND	
1,1-Dichloroethane	METHOD	524.2	0.5	1	NA	2/25/98	0.8	
1,1-Dichloroethene	METHOD	524.2	0.5	1	NA	2/25/98	2.5	
1,2-Dichloroethane	METHOD	524.2	0.5	1	NA	2/25/98	ND	
cis-1,2-Dichloroethene	METHOD	524.2	0.5	1	NA	2/25/98	5.3	
trans-1,2-Dichloroethene	METHOD	524.2	0.5	1	NA	2/25/98	1.4	
1,2-Dichloropropane	METHOD	524.2	0.5	1	NA	2/25/98	ND	
1,3-Dichloropropane	METHOD	524.2	0.5	1	NA	2/25/98	ND	

† As stated in the Site Characterization Guidance and Report Form (Rev. Feb. 1995), the Arizona Department of Environmental Quality has approved EPA Method 524.2 as a substitute for EPA Methods 503.1 and 502.2.

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ENVIRONMENTAL TECHNOLOGY

Approved By: Greg Jonk Date: 3/3/98

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Environmental Technology	**Service Request:**	X9801179
Project:	State Tractor/#1786CS	**Date Collected:**	2/24/98
Sample Matrix:	Water	**Date Received:**	2/24/98

Volatile Organic Compounds

Sample Name:	MW-6	Units:	ug/L (ppb)
Lab Code:	X9801179-003	Basis:	NA
Test Notes:	†		

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
2,2-Dichloropropane	METHOD	524.2	0.5	1	NA	2/25/98	ND	
1,1-Dichloropropene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
cis-1,3-Dichloropropene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
trans-1,3-Dichloropropene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Ethylbenzene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Hexachlorobutadiene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Isopropylbenzene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
4-Isopropyltoluene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Methylene chloride	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Naphthalene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
n-Propylbenzene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Styrene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
1,1,1,2-Tetrachloroethane	METHOD	524.2	0.5	1	NA	2/25/98	ND	
1,1,2,2-Tetrachloroethane	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Tetrachloroethene	METHOD	524.2	0.5	1	NA	2/25/98	29	
Toluene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
1,2,3-Trichlorobenzene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
1,2,4-Trichlorobenzene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
1,1,1-Trichloroethane	METHOD	524.2	0.5	1	NA	2/25/98	ND	
1,1,2-Trichloroethane	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Trichloroethene	METHOD	524.2	0.5	1	NA	2/25/98	25	
Trichlorofluoromethane	METHOD	524.2	0.5	1	NA	2/25/98	ND	
1,2,3-Trichloropropane	METHOD	524.2	0.5	1	NA	2/25/98	ND	
1,2,4-Trimethylbenzene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
1,3,5-Trimethylbenzene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Vinyl chloride	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Total Xylenes	METHOD	524.2	0.5	1	NA	2/25/98	ND	

† As stated in the Site Characterization Guidance and Report Form (Rev. Feb. 1995), the Arizona Department of Environmental Quality has approved EPA Method 524.2 as a substitute for EPA Methods 503.1 and 502.2.

Approved By: Greg Jouk Date: 3/3/98
1S2p/020597p

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C00013

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Environmental Technology	**Service Request:**	X9801179
Project:	State Tractor/#1786CS	**Date Collected:**	2/24/98
Sample Matrix:	Water	**Date Received:**	2/24/98

Volatile Organic Compounds

Sample Name:	MW-5	Units:	ug/L (ppb)
Lab Code:	X9801179-004	Basis:	NA
Test Notes:	†		

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Benzene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Bromobenzene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Bromochloromethane	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Bromodichloromethane	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Bromoform	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Bromomethane	METHOD	524.2	0.5	1	NA	2/25/98	ND	
n-Butylbenzene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
sec-Butylbenzene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
tert-Butylbenzene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Carbon Tetrachloride	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Chlorobenzene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Chloroethane	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Chloroform	METHOD	524.2	0.5	1	NA	2/25/98	1.0	
Chloromethane	METHOD	524.2	0.5	1	NA	2/25/98	ND	
2-Chlorotoluene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
4-Chlorotoluene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Dibromochloromethane	METHOD	524.2	0.5	1	NA	2/25/98	ND	
1,2-Dibromo-3-chloropropane	METHOD	524.2	0.5	1	NA	2/25/98	ND	
1,2-Dibromoethane	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Dibromomethane	METHOD	524.2	0.5	1	NA	2/25/98	ND	
1,2-Dichlorobenzene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
1,3-Dichlorobenzene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
1,4-Dichlorobenzene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Dichlorodifluoromethane	METHOD	524.2	0.5	1	NA	2/25/98	ND	
1,1-Dichloroethane	METHOD	524.2	0.5	1	NA	2/25/98	0.8	
1,1-Dichloroethene	METHOD	524.2	0.5	1	NA	2/25/98	2.0	
1,2-Dichloroethane	METHOD	524.2	0.5	1	NA	2/25/98	1.1	
cis-1,2-Dichloroethene	METHOD	524.2	0.5	1	NA	2/25/98	7.2	
trans-1,2-Dichloroethene	METHOD	524.2	0.5	1	NA	2/25/98	2.2	
1,2-Dichloropropane	METHOD	524.2	0.5	1	NA	2/25/98	ND	
1,3-Dichloropropane	METHOD	524.2	0.5	1	NA	2/25/98	ND	

† As stated in the Site Characterization Guidance and Report Form (Rev. Feb. 1995), the Arizona Department of Environmental Quality has approved EPA Method 524.2 as a substitute for EPA Methods 503.1 and 502.2.

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Approved By: _____ Date: 3/3/98

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Environmental Technology	**Service Request:**	X9801179
Project:	State Tractor/#1786CS	**Date Collected:**	2/24/98
Sample Matrix:	Water	**Date Received:**	2/24/98

Volatile Organic Compounds

Sample Name:	MW-5	Units:	ug/L (ppb)
Lab Code:	X9801179-004	Basis:	NA
Test Notes:	†		

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
2,2-Dichloropropane	METHOD	524.2	0.5	1	NA	2/25/98	ND	
1,1-Dichloropropene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
cis-1,3-Dichloropropene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
trans-1,3-Dichloropropene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Ethylbenzene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Hexachlorobutadiene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Isopropylbenzene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
4-Isopropyltoluene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Methylene chloride	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Naphthalene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
n-Propylbenzene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Styrene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
1,1,1,2-Tetrachloroethane	METHOD	524.2	0.5	1	NA	2/25/98	ND	
1,1,2,2-Tetrachloroethane	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Tetrachloroethene	METHOD	524.2	0.5	1	NA	2/25/98	28	
Toluene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
1,2,3-Trichlorobenzene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
1,2,4-Trichlorobenzene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
1,1,1-Trichloroethane	METHOD	524.2	0.5	1	NA	2/25/98	ND	
1,1,2-Trichloroethane	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Trichloroethene	METHOD	524.2	0.5	1	NA	2/25/98	27	
Trichlorofluoromethane	METHOD	524.2	0.5	1	NA	2/25/98	ND	
1,2,3-Trichloropropane	METHOD	524.2	0.5	1	NA	2/25/98	ND	
1,2,4-Trimethylbenzene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
1,3,5-Trimethylbenzene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Vinyl chloride	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Total Xylenes	METHOD	524.2	0.5	1	NA	2/25/98	ND	

† As stated in the Site Characterization Guidance and Report Form (Rev. Feb. 1995), the Arizona Department of Environmental Quality has approved EPA Method 524.2 as a substitute for EPA Methods 503.1 and 502.2.

Approved By: Greg Jonh Date: 3/3/98
1S2p/020597p

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C00011

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Environmental Technology	**Service Request:**	X9801179
Project:	State Tractor/#1786CS	**Date Collected:**	2/24/98
Sample Matrix:	Water	**Date Received:**	2/24/98

Volatile Organic Compounds

Sample Name:	MW-2	Units:	ug/L (ppb)
Lab Code:	X9801179-005	Basis:	NA
Test Notes:	†		

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Benzene	METHOD	524.2	0.5	1	NA	2/25/98	33	
Bromobenzene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Bromochloromethane	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Bromodichloromethane	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Bromoform	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Bromomethane	METHOD	524.2	0.5	1	NA	2/25/98	ND	
n-Butylbenzene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
sec-Butylbenzene	METHOD	524.2	0.5	1	NA	2/25/98	2.0	
tert-Butylbenzene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Carbon Tetrachloride	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Chlorobenzene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Chloroethane	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Chloroform	METHOD	524.2	0.5	1	NA	2/25/98	0.8	
Chloromethane	METHOD	524.2	0.5	1	NA	2/25/98	ND	
2-Chlorotoluene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
4-Chlorotoluene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Dibromochloromethane	METHOD	524.2	0.5	1	NA	2/25/98	ND	
1,2-Dibromo-3-chloropropane	METHOD	524.2	0.5	1	NA	2/25/98	ND	
1,2-Dibromoethane	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Dibromomethane	METHOD	524.2	0.5	1	NA	2/25/98	ND	
1,2-Dichlorobenzene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
1,3-Dichlorobenzene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
1,4-Dichlorobenzene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Dichlorodifluoromethane	METHOD	524.2	0.5	1	NA	2/25/98	ND	
1,1-Dichloroethane	METHOD	524.2	0.5	1	NA	2/25/98	2.2	
1,1-Dichloroethene	METHOD	524.2	0.5	1	NA	2/25/98	2.7	
1,2-Dichloroethane	METHOD	524.2	0.5	1	NA	2/25/98	3.6	
cis-1,2-Dichloroethene	METHOD	524.2	0.5	1	NA	2/25/98	46	
trans-1,2-Dichloroethene	METHOD	524.2	0.5	1	NA	2/25/98	0.8	
1,2-Dichloropropane	METHOD	524.2	0.5	1	NA	2/25/98	ND	
1,3-Dichloropropane	METHOD	524.2	0.5	1	NA	2/25/98	ND	

† As stated in the Site Characterization Guidance and Report Form (Rev. Feb. 1995), the Arizona Department of Environmental Quality has approved EPA Method 524.2 as a substitute for EPA Methods 503.1 and 502.2.

Approved By: Gary Jonk Date: 3/3/98

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COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Environmental Technology	**Service Request:**	X9801179
Project:	State Tractor/#1786CS	**Date Collected:**	2/24/98
Sample Matrix:	Water	**Date Received:**	2/24/98

Volatile Organic Compounds

Sample Name:	MW-2	Units:	ug/L (ppb)
Lab Code:	X9801179-005	Basis:	NA
Test Notes:	†		

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
2,2-Dichloropropane	METHOD	524.2	0.5	1	NA	2/25/98	ND	
1,1-Dichloropropene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
cis-1,3-Dichloropropene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
trans-1,3-Dichloropropene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Ethylbenzene	METHOD	524.2	0.5	1	NA	2/25/98	9.7	
Hexachlorobutadiene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Isopropylbenzene	METHOD	524.2	0.5	1	NA	2/25/98	4.0	
4-Isopropyltoluene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Methylene chloride	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Naphthalene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
n-Propylbenzene	METHOD	524.2	0.5	1	NA	2/25/98	3.5	
Styrene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
1,1,1,2-Tetrachloroethane	METHOD	524.2	0.5	1	NA	2/25/98	ND	
1,1,2,2-Tetrachloroethane	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Tetrachloroethene	METHOD	524.2	0.5	1	NA	2/25/98	61	
Toluene	METHOD	524.2	0.5	1	NA	2/25/98	1.0	
1,2,3-Trichlorobenzene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
1,2,4-Trichlorobenzene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
1,1,1-Trichloroethane	METHOD	524.2	0.5	1	NA	2/25/98	ND	
1,1,2-Trichloroethane	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Trichloroethene	METHOD	524.2	0.5	1	NA	2/25/98	44	
Trichlorofluoromethane	METHOD	524.2	0.5	1	NA	2/25/98	ND	
1,2,3-Trichloropropane	METHOD	524.2	0.5	1	NA	2/25/98	ND	
1,2,4-Trimethylbenzene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
1,3,5-Trimethylbenzene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Vinyl chloride	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Total Xylenes	METHOD	524.2	0.5	1	NA	2/25/98	2.0	

† As stated in the Site Characterization Guidance and Report Form (Rev. Feb. 1995), the Arizona Department of Environmental Quality has approved EPA Method 524.2 as a substitute for EPA Methods 503.1 and 502.2.

Approved By: Greg Jonah Date: 3/3/98
1S2p/020597p

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COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Environmental Technology	**Service Request:**	X9801179
Project:	State Tractor/#1786CS	**Date Collected:**	2/24/98
Sample Matrix:	Water	**Date Received:**	2/24/98

Volatile Organic Compounds

Sample Name:	MW-4	Units:	ug/L (ppb)
Lab Code:	X9801179-006	Basis:	NA
Test Notes:	†, C2		

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Benzene	METHOD	524.2	0.5	10	NA	2/26/98	542	
Bromobenzene	METHOD	524.2	0.5	10	NA	2/26/98	<5	
Bromochloromethane	METHOD	524.2	0.5	10	NA	2/26/98	<5	
Bromodichloromethane	METHOD	524.2	0.5	10	NA	2/26/98	<5	
Bromoform	METHOD	524.2	0.5	10	NA	2/26/98	<5	
Bromomethane	METHOD	524.2	0.5	10	NA	2/26/98	<5	
n-Butylbenzene	METHOD	524.2	0.5	10	NA	2/26/98	46	
sec-Butylbenzene	METHOD	524.2	0.5	10	NA	2/26/98	22	
tert-Butylbenzene	METHOD	524.2	0.5	10	NA	2/26/98	<5	
Carbon Tetrachloride	METHOD	524.2	0.5	10	NA	2/26/98	<5	
Chlorobenzene	METHOD	524.2	0.5	10	NA	2/26/98	<5	
Chloroethane	METHOD	524.2	0.5	10	NA	2/26/98	<5	
Chloroform	METHOD	524.2	0.5	10	NA	2/26/98	<5	
Chloromethane	METHOD	524.2	0.5	10	NA	2/26/98	<5	
2-Chlorotoluene	METHOD	524.2	0.5	10	NA	2/26/98	<5	
4-Chlorotoluene	METHOD	524.2	0.5	10	NA	2/26/98	<5	
Dibromochloromethane	METHOD	524.2	0.5	10	NA	2/26/98	<5	
1,2-Dibromo-3-chloropropane	METHOD	524.2	0.5	10	NA	2/26/98	<5	
1,2-Dibromoethane	METHOD	524.2	0.5	10	NA	2/26/98	<5	
Dibromomethane	METHOD	524.2	0.5	10	NA	2/26/98	<5	
1,2-Dichlorobenzene	METHOD	524.2	0.5	10	NA	2/26/98	<5	
1,3-Dichlorobenzene	METHOD	524.2	0.5	10	NA	2/26/98	<5	
1,4-Dichlorobenzene	METHOD	524.2	0.5	10	NA	2/26/98	<5	
Dichlorodifluoromethane	METHOD	524.2	0.5	10	NA	2/26/98	<5	
1,1-Dichloroethane	METHOD	524.2	0.5	10	NA	2/26/98	<5	
1,1-Dichloroethene	METHOD	524.2	0.5	10	NA	2/26/98	6.5	
1,2-Dichloroethane	METHOD	524.2	0.5	10	NA	2/26/98	<5	
cis-1,2-Dichloroethene	METHOD	524.2	0.5	10	NA	2/26/98	232	
trans-1,2-Dichloroethene	METHOD	524.2	0.5	10	NA	2/26/98	<5	
1,2-Dichloropropane	METHOD	524.2	0.5	10	NA	2/26/98	<5	
1,3-Dichloropropane	METHOD	524.2	0.5	10	NA	2/26/98	<5	

† As stated in the Site Characterization Guidance and Report Form (Rev. Feb. 1995), the Arizona Department of Environmental Quality has approved EPA Method 524.2 as a substitute for EPA Methods 503.1 and 502.2.

C2 MRL is elevated because the sample required diluting.

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ENVIRONMENTAL TECHNOLOGY

Approved By: Greg Jonk Date: 3/3/98

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Environmental Technology	**Service Request:**	X9801179
Project:	State Tractor/#1786CS	**Date Collected:**	2/24/98
Sample Matrix:	Water	**Date Received:**	2/24/98

Volatile Organic Compounds

Sample Name:	MW-4	Units:	ug/L (ppb)
Lab Code:	X9801179-006	Basis:	NA
Test Notes:	†, C2		

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
2,2-Dichloropropane	METHOD	524.2	0.5	10	NA	2/26/98	<5	
1,1-Dichloropropene	METHOD	524.2	0.5	10	NA	2/26/98	<5	
cis-1,3-Dichloropropene	METHOD	524.2	0.5	10	NA	2/26/98	<5	
trans-1,3-Dichloropropene	METHOD	524.2	0.5	10	NA	2/26/98	<5	
Ethylbenzene	METHOD	524.2	0.5	10	NA	2/26/98	633	
Hexachlorobutadiene	METHOD	524.2	0.5	10	NA	2/26/98	<5	
Isopropylbenzene	METHOD	524.2	0.5	10	NA	2/26/98	67	
4-Isopropyltoluene	METHOD	524.2	0.5	10	NA	2/26/98	13	
Methylene chloride	METHOD	524.2	0.5	10	NA	2/26/98	<5	
Naphthalene	METHOD	524.2	0.5	10	NA	2/26/98	381	
n-Propylbenzene	METHOD	524.2	0.5	10	NA	2/26/98	205	
Styrene	METHOD	524.2	0.5	10	NA	2/26/98	<5	
1,1,1,2-Tetrachloroethane	METHOD	524.2	0.5	10	NA	2/26/98	<5	
1,1,2,2-Tetrachloroethane	METHOD	524.2	0.5	10	NA	2/26/98	<5	
Tetrachloroethene	METHOD	524.2	0.5	10	NA	2/26/98	57	
Toluene	METHOD	524.2	0.5	100	NA	2/26/98	5980	
1,2,3-Trichlorobenzene	METHOD	524.2	0.5	10	NA	2/26/98	<5	
1,2,4-Trichlorobenzene	METHOD	524.2	0.5	10	NA	2/26/98	<5	
1,1,1-Trichloroethane	METHOD	524.2	0.5	10	NA	2/26/98	<5	
1,1,2-Trichloroethane	METHOD	524.2	0.5	10	NA	2/26/98	<5	
Trichloroethene	METHOD	524.2	0.5	10	NA	2/26/98	43	
Trichlorofluoromethane	METHOD	524.2	0.5	10	NA	2/26/98	<5	
1,2,3-Trichloropropane	METHOD	524.2	0.5	10	NA	2/26/98	<5	
1,2,4-Trimethylbenzene	METHOD	524.2	0.5	10	NA	2/26/98	1480	
1,3,5-Trimethylbenzene	METHOD	524.2	0.5	10	NA	2/26/98	517	
Vinyl chloride	METHOD	524.2	0.5	10	NA	2/26/98	<5	
Total Xylenes	METHOD	524.2	0.5	100	NA	2/26/98	6960	

† As stated in the Site Characterization Guidance and Report Form (Rev. Feb. 1995), the Arizona Department of Environmental Quality has approved EPA Method 524.2 as a substitute for EPA Methods 503.1 and 502.2.

C2 MRL is elevated because the sample required diluting.

Approved By: _____ Date: 3/3/98
1S2p/020597p

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COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Environmental Technology	**Service Request:**	X9801179
Project:	State Tractor/#1786CS	**Date Collected:**	
Sample Matrix:	Water	**Date Received:**	2/24/98

Volatile Organic Compounds

Sample Name:	Trip Blank	Units:	ug/L (ppb)
Lab Code:	X9801179-007	Basis:	NA
Test Notes:	†		

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Benzene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Bromobenzene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Bromochloromethane	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Bromodichloromethane	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Bromoform	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Bromomethane	METHOD	524.2	0.5	1	NA	2/25/98	ND	
n-Butylbenzene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
sec-Butylbenzene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
tert-Butylbenzene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Carbon Tetrachloride	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Chlorobenzene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Chloroethane	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Chloroform	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Chloromethane	METHOD	524.2	0.5	1	NA	2/25/98	ND	
2-Chlorotoluene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
4-Chlorotoluene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Dibromochloromethane	METHOD	524.2	0.5	1	NA	2/25/98	ND	
1,2-Dibromo-3-chloropropane	METHOD	524.2	0.5	1	NA	2/25/98	ND	
1,2-Dibromoethane	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Dibromomethane	METHOD	524.2	0.5	1	NA	2/25/98	ND	
1,2-Dichlorobenzene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
1,3-Dichlorobenzene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
1,4-Dichlorobenzene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Dichlorodifluoromethane	METHOD	524.2	0.5	1	NA	2/25/98	ND	
1,1-Dichloroethane	METHOD	524.2	0.5	1	NA	2/25/98	ND	
1,1-Dichloroethene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
1,2-Dichloroethane	METHOD	524.2	0.5	1	NA	2/25/98	ND	
cis-1,2-Dichloroethene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
trans-1,2-Dichloroethene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
1,2-Dichloropropane	METHOD	524.2	0.5	1	NA	2/25/98	ND	
1,3-Dichloropropane	METHOD	524.2	0.5	1	NA	2/25/98	ND	

† As stated in the Site Characterization Guidance and Report Form (Rev. Feb. 1995), the Arizona Department of Environmental Quality has approved EPA Method 524.2 as a substitute for EPA Methods 503.1 and 502.2.

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ENVIRONMENTAL TECHNOLOGY

Approved By: _____ Date: 3/3/98

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Environmental Technology	**Service Request:**	X9801179
Project:	State Tractor/#1786CS	**Date Collected:**	
Sample Matrix:	Water	**Date Received:**	2/24/98

Volatile Organic Compounds

Sample Name:	Trip Blank	Units:	ug/L (ppb)
Lab Code:	X9801179-007	Basis:	NA
Test Notes:	†		

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
2,2-Dichloropropane	METHOD	524.2	0.5	1	NA	2/25/98	ND	
1,1-Dichloropropene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
cis-1,3-Dichloropropene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
trans-1,3-Dichloropropene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Ethylbenzene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Hexachlorobutadiene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Isopropylbenzene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
4-Isopropyltoluene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Methylene chloride	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Naphthalene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
n-Propylbenzene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Styrene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
1,1,1,2-Tetrachloroethane	METHOD	524.2	0.5	1	NA	2/25/98	ND	
1,1,2,2-Tetrachloroethane	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Tetrachloroethene	METHOD	524.2	0.5	1	NA	2/25/98	3.7	
Toluene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
1,2,3-Trichlorobenzene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
1,2,4-Trichlorobenzene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
1,1,1-Trichloroethane	METHOD	524.2	0.5	1	NA	2/25/98	ND	
1,1,2-Trichloroethane	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Trichloroethene	METHOD	524.2	0.5	1	NA	2/25/98	1.6	
Trichlorofluoromethane	METHOD	524.2	0.5	1	NA	2/25/98	ND	
1,2,3-Trichloropropane	METHOD	524.2	0.5	1	NA	2/25/98	ND	
1,2,4-Trimethylbenzene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
1,3,5-Trimethylbenzene	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Vinyl chloride	METHOD	524.2	0.5	1	NA	2/25/98	ND	
Total Xylenes	METHOD	524.2	0.5	1	NA	2/25/98	ND	

† As stated in the Site Characterization Guidance and Report Form (Rev. Feb. 1995), the Arizona Department of Environmental Quality has approved EPA Method 524.2 as a substitute for EPA Methods 503.1 and 502.2.

Approved By: _____ Date: 3/3/98
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COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Environmental Technology
Project: State Tractor/#1786CS
Sample Matrix: Water

Service Request: X9801179
Date Collected: NA
Date Received: NA
Date Extracted: NA
Date Analyzed: NA

Surrogate Recovery Summary
Volatile Organic Compounds

Prep Method: METHOD
Analysis Method: 524.2

Units: PERCENT
Basis: NA

Sample Name	Lab Code	Test Notes	Percent Recovery		
			Dibromofluoromethane	Toluene-D8	4-Bromofluorobenzene
MW-1	X9801179-001		105	100	91
MW-3	X9801179-002		108	101	90
MW-6	X9801179-003		105	95	87
MW-5	X9801179-004		106	99	88
MW-2	X9801179-005		100	96	89
MW-4	X9801179-006		93	90	81
Trip Blank	X9801179-007		101	95	84
Method Blank	X980225-MB		103	101	90
Method Blank	X980226-MB		100	97	88
Method Blank	X980227-MB		100	100	92
Lab Control Sample	X980225-LCS		100	100	89
Lab Control Sample	X980226-LCS		105	99	87
Lab Control Sample	X980227-LCS		102	97	85
CAS Acceptance Limits:			70-130	70-130	70-130

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ENVIRONMENTAL TECHNOLOGY

Approved By: Greg Jouh Date: 3/3/98
SUR3/020597p

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	Environmental Technology	**Service Request:**	X9801179
Project:	State Tractor/#1786CS	**Date Collected:**	NA
LCS Matrix:	Water	**Date Received:**	NA
		Date Extracted:	NA
		Date Analyzed:	2/25/98

Laboratory Control Sample Summary
Volatile Organic Compounds

Sample Name:	Lab Control Sample	Units:	ug/L (ppb)
Lab Code:	X980225-LCS	Basis:	NA
Test Notes:			

Analyte	Prep Method	Analysis Method	True Value	Result	Percent Recovery	CAS Percent Recovery Acceptance Limits	Result Notes
1,1-Dichloroethene	METHOD	524.2	2.00	1.95	98	70-130	
Benzene	METHOD	524.2	2.00	2.15	108	70-130	
Trichloroethene (TCE)	METHOD	524.2	2.00	2.12	106	70-130	
Toluene	METHOD	524.2	2.00	2.26	113	70-130	
Chlorobenzene	METHOD	524.2	2.00	2.18	109	70-130	

Approved By: Greg Jouh Date: 3/3/98
LCS/020597p

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COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	Environmental Technology	**Service Request:**	X9801179
Project:	State Tractor/#1786CS	**Date Collected:**	NA
LCS Matrix:	Water	**Date Received:**	NA
		Date Extracted:	NA
		Date Analyzed:	2/26/98

Laboratory Control Sample Summary
Volatile Organic Compounds

Sample Name:	Lab Control Sample	Units:	ug/L (ppb)
Lab Code:	X980226-LCS	Basis:	NA
Test Notes:			

Analyte	Prep Method	Analysis Method	True Value	Result	Percent Recovery	CAS Percent Recovery Acceptance Limits	Result Notes
1,1-Dichloroethene	METHOD	524.2	2.00	1.96	98	70-130	
Benzene	METHOD	524.2	2.00	2.16	108	70-130	
Trichloroethene (TCE)	METHOD	524.2	2.00	2.28	114	70-130	
Toluene	METHOD	524.2	2.00	2.14	107	70-130	
Chlorobenzene	METHOD	524.2	2.00	2.26	113	70-130	

Approved By: _____ Date: 3/3/98
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COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	Environmental Technology	**Service Request:**	X9801179
Project:	State Tractor/#1786CS	**Date Collected:**	NA
LCS Matrix:	Water	**Date Received:**	NA
		Date Extracted:	NA
		Date Analyzed:	2/27/98

Laboratory Control Sample Summary
Volatile Organic Compounds

Sample Name:	Lab Control Sample	Units:	ug/L (ppb)
Lab Code:	X980227-LCS	Basis:	NA
Test Notes:			

Analyte	Prep Method	Analysis Method	True Value	Result	Percent Recovery	CAS Percent Recovery Acceptance Limits	Result Notes
1,1-Dichloroethene	METHOD	524.2	2.00	1.79	90	70-130	
Benzene	METHOD	524.2	2.00	2.28	114	70-130	
Trichloroethene (TCE)	METHOD	524.2	2.00	2.11	106	70-130	
Toluene	METHOD	524.2	2.00	2.24	112	70-130	
Chlorobenzene	METHOD	524.2	2.00	2.39	120	70-130	

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Approved By: Greg Downs Date: 3/3/98

LCS/020597p

ENVIRONMENTAL TECHNOLOGY

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Environmental Technology	**Service Request:**	X9801179
Project:	State Tractor/#1786CS	**Date Collected:**	2/24/98
Sample Matrix:	Water	**Date Received:**	2/24/98

Total Recoverable Petroleum Hydrocarbons (TRPH)

Prep Method:	METHOD	Units:	mg/L(ppm)
Analysis Method:	418.1	Basis:	NA
Test Notes:			

Sample Name	Lab Code	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
MW-1	X9801179-001	0.50	1	2/27/98	2/27/98	ND	
MW-3	X9801179-002	0.50	1	2/27/98	2/27/98	ND	
MW-6	X9801179-003	0.50	1	2/27/98	2/27/98	ND	
MW-5	X9801179-004	0.50	1	2/27/98	2/27/98	ND	
MW-2	X9801179-005	0.50	1	2/27/98	2/27/98	ND	
MW-4	X9801179-006	0.50	1	2/27/98	2/27/98	8.0	
Method Blank	X980227-MB	0.50	1	2/27/98	2/27/98	ND	

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Approved By: Grey Jonh Date: 3/3/98

1A/020597p

C00025

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	Environmental Technology	**Service Request:**	X9801179
Project:	State Tractor/#1786CS	**Date Collected:**	2/24/98
Sample Matrix:	Water	**Date Received:**	2/24/98
		Date Extracted:	2/27/98
		Date Analyzed:	2/27/98

Matrix Spike Summary
Total Recoverable Petroleum Hydrocarbons (TRPH)

Sample Name:	MW-2	Units:	mg/L(ppm)
Lab Code:	X9801179-005MS	Basis:	NA
Test Notes:			

Analyte	Prep Method	Analysis Method	MRL	Spike Level	Sample Result	Spiked Sample Result	Percent Recovery	CAS Percent Recovery Acceptance Limits	Result Notes
TRPH	METHOD	418.1	0.50	15.3	ND	15.7	103	59-133	

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ENVIRONMENTAL TECHNOLOGY

Approved By: _____ Date: 3/3/98

MS/020597p
X981179B.XLS - MS-W 3/3/98

C00026

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Environmental Technology
Project: State Tractor/#1786CS
Sample Matrix: Water

Service Request: X9801179
Date Collected: 2/24/98
Date Received: 2/24/98
Date Extracted: 2/27/98
Date Analyzed: 2/27/98

Duplicate Summary
Total Recoverable Petroleum Hydrocarbons (TRPH)

Sample Name: MW-2
Lab Code: X9801179-005DUP
Test Notes:

Units: mg/L(ppm)
Basis: NA

Analyte	Prep Method	Analysis Method	MRL	Sample Result	Duplicate Sample Result	Relative Percent Difference	Result Notes
TRPH	METHOD	418.1	0.50	ND	ND	<1	

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ENVIRONMENTAL TECHNOLOGY

Approved By: Greg Jonah Date: 3/3/98

DUP/020597p
X981179B.XLS - DUP-W 3/3/98

Columbia Analytical Services, Inc.

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

3902 East University Drive, Suite D2 • Phoenix, AZ 85034 • (602) 437-2001 • (800) 695-7222 • FAX (602) 437-5308

DATE 2-23-95 PAGE 1 OF 1

PROJECT NAME Santa Teresa # 125605

PROJECT MANAGER Bill Vinal

COMPANY/ADDRESS EnTech

PHONE/FAX 267-1900 / 267-1973

SAMPLERS SIGNATURE

SAMPLE I.D.	DATE	TIME	LAB I.D.	MATRIX	PRESERVATION	NUMBER OF CONTAINERS	BTEX 602/8021	Volatile Organics GC/MS 624/8240/8260	Halogenated Volatile Organics 601/8021	Halogenated & Aromatic Volatiles 601/602 ☐ 8021 ☐	TPH/8015 Modified Diesel ☐ FC ☐ Gasoline ☐	Total Petroleum Hydrocarbons EPA 418.1 / 418.1 AZ	Base Neutral Acid Organics GC/MS 625/8270	8RCRA Metals Total ☐ TCLP ☐	Lead Total ☐ TCLP ☐	Flash Point ☐ pH ☐ Paint Filter ☐	DW Organics 524.2 ☐	PAH 8310 ☐ 8270 ☐	REMARKS
MW-1	2-24	7:45		H2O	HCl	4						X				X			
MW-3	"	9:15		"	"	4						X				X			
MW-6	"	10:22		"	"	4						X				X			
MW-5	"	11:25		"	"	4						X				X			
MW-2	"	12:45		"	"	4						X				X			
MW-4	"	13:10		"	"	4						X				X			
Trip Blank																			
[illegible]																			[illegible]

SPECIAL INSTRUCTIONS/COMMENTS:

REPORT REQUIREMENTS

- ___ I. Routine Report
- X II. Report (includes DUP.MS. MSD, as required, may be charged as samples)
- ___ III. Data Validation Report (includes All Raw Data)
- ___ IV. CLP Deliverable Report

INVOICE INFORMATION:

P.O.# 125605-17

Bill To

SAMPLE RECEIPT:

Shipping VIA:

Shipping #:

Condition:

Lab No: X9801179

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
	EnTech	2-24-95 14:37	Leslie May	CAS	2/24/95 1437
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time

ANALYSIS TAT *(Circle One)*

STANDARD

RUSH TAT - *Surcharges Apply*

- ☐ 24 Hours
- ☐ 48 Hours
- ☐ 72 Hours

DISTRIBUTION: WHITE - return to originator; YELLOW - lab; PINK - retained by originator

400-05

TRANSWEST
GEOCHEM

TGI ID: A805012

May 23, 1998

Miller Brooks Environmental
202 E. Earll Drive, #470
Phoenix, Arizona 85012

Attention:	Lynn Niewiadomski
Project Name/No:	19th & Van Buren/155-0309-08
Samples Received:	5/11/98
Matrix:	Soil
Mobile Lab No.:	TGI01

Transwest Geochem, Inc. received six water samples on the above date. The samples were analyzed with EPA methodology or equivalent methods. The results of these analyses and the quality control data are enclosed.

If you have any questions or comments, please do not hesitate to contact us at (602)756-1400.

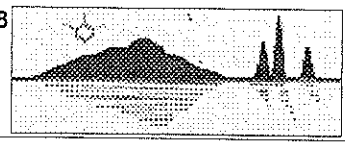
Sincerely,

Michael E. Barber
Laboratory Director

ADHS License No.: AZM133

Transwest Geochem, Inc.
Analytical Results

Client Name: Miller Brooks Environmental
Project Name/No.: 19th & Van Buren/155-0309-08
Samples Received: 5/11/98



TGI ID No.: A805012
ADHS Cert. No.: AZM133

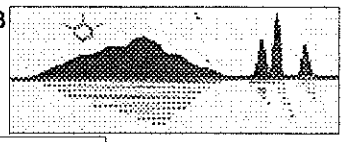
		EPA Method 8260				
	Lab ID	A805012-1	A805012-2	A805012-3	A805012-4	A805012-5
	Sample ID	MW-1	MW-6	MW-4	MW-5	DUP
	Date Analyzed	5/17/98	5/17/98	5/18/98	5/16/98	5/16/98
	Dilution Factor	1	1	2	50	50
ANALYTE	**Units**	ug/l	ug/l	ug/l	ug/l	ug/l
Bromodichloromethane		<1	<1	<2	<50	<50
Bromoform		<2	<2	<4	<100	<100
Bromomethane		<10	<10	<20	<500	<500
Carbon Tetrachloride		<1	<1	<2	<50	<50
Chlorobenzene		<1	<1	<2	<50	<50
Chloroethane		<10	<10	<20	<500	<500
Chloroform		**1.8**	**2.3**	<2	<50	<50
Chloromethane		<10	<10	<20	<500	<500
Dibromochloromethane		<1	<1	<2	<50	<50
1,2-Dichlorobenzene		<1	<1	<2	<50	<50
1,3-Dichlorobenzene		<1	<1	<2	<50	<50
1,4-Dichlorobenzene		<1	<1	<2	<50	<50
Dichlorodifluoromethane (Freon-12)		<10	<10	<20	<500	<500
1,1-Dichloroethane		<1	**2.8**	<2	<50	<50
1,2-Dichloroethane		<1	<1	<2	<50	<50
1,1-Dichloroethene		<2	**4.2**	**9.0**	<100	<100
trans-1,2-Dichloroethene		<1	<1	<2	<50	<50
cis-1,2-Dichloroethene		**7.4**	**15**	**16**	**67**	**54**
1,2-Dichloropropane		<1	<1	<2	<50	<50
cis-1,3-Dichloropropene		<1	<1	<2	<50	<50
trans-1,3-Dichloropropene		<1	<1	<2	<50	<50
Methylene Chloride		<2	<2	<4	<100	<100
1,1,2,2-Tetrachloroethane		<2	<2	<4	<100	<100
Trichloroethene		**69**	**120 D**	**170**	<50	<50
1,1,1-Trichloroethane		<1	<1	<2	<50	<50
1,1,2-Trichloroethane		<1	<1	<2	<50	<50
Tetrachloroethene		**3.3**	**6.0**	**9.8**	<50	<50
Trichlorofluoromethane (Freon-11)		<10	<10	<20	<500	<500
Vinyl Chloride		<10	<10	<20	<500	<500
Benzene		<1	<1	**7.5**	**380**	**370**
Ethylbenzene		<2	**3.4**	<4	**4000**	**4000**
Toluene		<2	<2	<4	**3600**	**3500**
Xylenes (Total)		**8.0**	<3	**11**	**17000 D**	**20000 D**
Surrogate - 1,2-Dichloroethane-d10 %		120%	121%	110%	113%	113%
Surrogate - Toluene-d8 %		102%	112%	102%	97%	96%
Surrogate - Bromofluorobenzene %		98%	106%	103%	91%	96%
Surrogate - Dibromofluoromethane %		116%	116%	111%	110%	110%

Notes:

D Indicates the compound was analyzed at a greater dilution.

Transwest Geochem, Inc.
Analytical Results

Client Name: Miller Brooks Environmental
Project Name/No.: 19th & Van Buren/155-0309-08
Samples Received: 5/11/98



TGI ID No.: A805012
ADHS Cert. No.: AZM133

		EPA Method 8260
	Lab ID	A805012-6
	Sample ID	Trip Blank
	Date Analyzed	5/16/98
	Dilution Factor	1
ANALYTE	**Units**	ug/l
Bromodichloromethane		<1
Bromoform		<2
Bromomethane		<10
Carbon Tetrachloride		<1
Chlorobenzene		<1
Chloroethane		<10
Chloroform		<1
Chloromethane		<10
Dibromochloromethane		<1
1,2-Dichlorobenzene		<1
1,3-Dichlorobenzene		<1
1,4-Dichlorobenzene		<1
Dichlorodifluoromethane (Freon-12)		<10
1,1-Dichloroethane		<1
1,2-Dichloroethane		<1
1,1-Dichloroethene		<2
trans-1,2-Dichloroethene		<1
cis-1,2-Dichloroethene		<1
1,2-Dichloropropane		<1
cis-1,3-Dichloropropene		<1
trans-1,3-Dichloropropene		<1
Methylene Chloride		<2
1,1,2,2-Tetrachloroethane		<2
Trichloroethene		<1
1,1,1-Trichloroethane		<1
1,1,2-Trichloroethane		<1
Tetrachloroethene		<1
Trichlorofluoromethane (Freon-11)		<10
Vinyl Chloride		<10
Benzene		<1
Ethylbenzene		<2
Toluene		<2
Xylenes (Total)		<3
Surrogate - 1,2-Dichloroethane-d10 %		105%
Surrogate - Toluene-d8 %		103%
Surrogate - Bromofluorobenzene %		97%
Surrogate - Dibromofluoromethane %		108%

Transwest Geochem, Inc.
Analytical Results
8260 QC Summary

Client Name: Miller Brooks Environmental
Project Name/No.: 19th & Van Buren/155-0309-08
Samples Received: 5/11/98

TGI ID No.: A805012
ADHS Cert. No.: AZM133

EPA Method 8260				
	Lab ID	Reagent Blank	Reagent Blank	Reagent Blank
	Sample ID	n/a	n/a	n/a
	Date Analyzed	5/16/98	5/17/98	5/22/98
	Dilution Factor	1	1	1
ANALYTE	**Units**	ug/l	ug/l	ug/l
Bromodichloromethane		<1	<1	<1
Bromoform		<2	<2	<2
Bromomethane		<10	<10	<10
Carbon Tetrachloride		<1	<1	<1
Chlorobenzene		<1	<1	<1
Chloroethane		<10	<10	<10
Chloroform		<1	<1	<1
Chloromethane		<10	<10	<10
Dibromochloromethane		<1	<1	<1
1,2-Dichlorobenzene		<1	<1	<1
1,3-Dichlorobenzene		<1	<1	<1
1,4-Dichlorobenzene		<1	<1	<1
Dichlorodifluoromethane (Freon-12)		<10	<10	<10
1,1-Dichloroethane		<1	<1	<1
1,2-Dichloroethane		<1	<1	<1
1,1-Dichloroethene		<2	<2	<2
trans-1,2-Dichloroethene		<1	<1	<1
cis-1,2-Dichloroethene		<1	<1	<1
1,2-Dichloropropane		<1	<1	<1
cis-1,3-Dichloropropene		<1	<1	<1
trans-1,3-Dichloropropene		<1	<1	<1
Methylene Chloride		<2	<2	<2
1,1,2,2-Tetrachloroethane		<2	<2	<2
Trichloroethene		<1	<1	<1
1,1,1-Trichloroethane		<1	<1	<1
1,1,2-Trichloroethane		<1	<1	<1
Tetrachloroethene		<1	<1	<1
Trichlorofluoromethane (Freon-11)		<10	<10	<10
Vinyl Chloride		<10	<10	<10
Benzene		<1	<1	<1
Ethylbenzene		<2	<2	<2
Toluene		<2	<2	<2
Xylenes (Total)		<3	<3	<3
Surrogate - 1,2-Dichloroethane-d10 %		117%	119%	110%
Surrogate - Toluene-d8 %		107%	99%	104%
Surrogate - Bromofluorobenzene %		98%	97%	104%
Surrogate - Dibromofluoromethane %		114%	116%	110%
Samples Linked	A805012	-(4-6)	-(1,2)	-3

Transwest Geochem, Inc.
Analytical Results
8260 QC Summary

Client Name: Miller Brooks Environmental
Project Name/No.: 19th & Van Buren/155-0309-08
Samples Received: 5/11/98

TGI ID No.: A805012
ADHS Cert. No.: AZM133

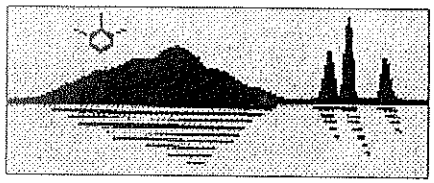
EPA Method 8260

ANALYTE	Sample	Amount Spiked	Matrix Spike	%Rec.	Matrix Spike Duplicate	%Rec.	% RPD
1,1-Dichloroethene	<2	20	23	115%	23	115%	0%
Benzene	<1	20	20	100%	20	100%	0%
Trichloroethene	<1	20	20	100%	21	105%	5%
Toluene	<2	20	19	95%	19	95%	0%
Chlorobenzene	<1	20	20	100%	20	100%	0%

Date Analyzed	5/17/98
Dilution Factor	1
Units	ug/l
Sample Spiked	Blank Spike
Samples Linked	A805012 -(1-5)

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

TRANSWEST GEOCHEM, INC. 1810 W. DRAKE DRIVE, SUITE 103 TEMPE, AZ 85283 602-756-1400 602-756-1410 FAX



Project Manager:	Lynn Niewiadomski
Client Name:	Miller Brooks Environmental
Address:	202 E. Earll Dr. #470
City, State ZIP	Phoenix AZ 85012
Phone:	(602) 728-0577
Fax:	(602) 728-0585

Bill to:	Michael Beasley
Company:	Texaco Refining + Marketing
Address:	4130 N. 33rd Ave Ste 9
City, State ZIP	Phoenix, AZ 85003
Phone:	(602) 849-6175
Fax:	(602) 849-6269

Date:	5-11-98
Page:	1 of 1
Laboratory:	TGI#
Lab Number:	[illegible]

Project Name:	19th Ave + Van Buren
Project Number:	155-0309-08

P.O. No.:	

Analysis Requested

Sample Identification	Date Sampled	Time Sampled	Matrix	Sampled & Relinquished By:	Time Relinquished:	Received By:	Lab ID	TRPH (418.1AZ)	BTEX (8021A) All Cmps	TPH - Gas (8015M)	TPH - Diesel (8015M)	GCMS - (8260 / 624)					No. Containers	Remarks
[illegible]	5-11-98	1045	water	MDW	200	[illegible]	1		✓								2	* Run for
[illegible]-6	↓	1140	↓	↓	↓	↓	2		✓								2	8021 all
[illegible]-4	↓	1130	↓	↓	↓	↓	3		✓								2	compounds
[illegible]-5	↓	1310	↓	↓	↓	↓	4		✓								2	(8260)
[illegible]	↓	—	↓	↓	↓	↓	5		✓								2	
Tay R. Park	4/29/98		water			↓	6		✓								1	

Initials:	Printed Name:	Signature:
MDW	MARCY WERTH	[illegible]
[illegible]	MICHAEL E. BARBER	[illegible]

Date:	
Start Time:	
Stop Time:	
Hours:	
Client Sign-off:	MDW

Total Containers:	11
Received Intact:	Y
Received Cold:	Y
Custody Seals:	N

White copy to TGI, Yellow copy for final report, Pink copy to field sampler

American Environmental Network (Arizona), Inc.

AEN I.D. 805113

June 11, 1998

Harding Lawson Associates
234 N. Central Ave., Suite 600
Phoenix, AZ 85004

Project Name/Number: 36311-5.98/VW+R

Attention: Kevin C. Snyder

On 5/21/98, American Environmental Network (Arizona), Inc., received a request to analyze aqueous sample(s). The sample(s) were analyzed with EPA methodology or equivalent methods. The results of these analyses and the quality control data, which follow each set of analyses, are enclosed.

The volatile orgamic package may be referenced in Attachment 1. All calibration and quality control data were within method criteria.

If you have any questions or comments, please do not hesitate to contact us at (602) 496-4400.

Lucas Menendez
Project Manager
LM/acc
Enclosure

ADHS License No. AZ0061
Sherman McCutcheon, General Manager

CLIENT : HARDING LAWSON ASSOCIATES
PROJECT # : 36311-5.98
PROJECT NAME : VW+R

DATE RECEIVED : 05/21/98
REPORT DATE : 06/11/98

ATI I.D. : 805113

ATI #	CLIENT DESCRIPTION	MATRIX	DATE COLLECTED
01	MW-107	AQUEOUS	05/20/98
02	MW-1	AQUEOUS	05/20/98
03	MW-4	AQUEOUS	05/20/98
04	MW-9	AQUEOUS	05/20/98
05	MW-7	AQUEOUS	05/20/98
06	MW-10	AQUEOUS	05/20/98
07	MW-211	AQUEOUS	05/21/98
08	MW-11	AQUEOUS	05/21/98
09	MW-6	AQUEOUS	05/21/98
10	TB-01	AQUEOUS	05/21/98

----- TOTALS -----

MATRIX	# SAMPLES
AQUEOUS	10

ATI STANDARD DISPOSAL PRACTICE

The samples from this project will be disposed of in thirty (30) days from the date of this report. If an extended storage period is required, please contact our sample control department before the scheduled disposal date.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 80511301

TEST : VOLATILE HALOCARBONS/AROMATICS (EPA 601/602)

CLIENT	: HARDING LAWSON ASSOCIATES	DATE SAMPLED	: 05/20/98
PROJECT #	: 36311-5.98	DATE RECEIVED	: 05/21/98
PROJECT NAME	: VW+R	DATE EXTRACTED	: N/A
CLIENT I.D.	: MW-107	DATE ANALYZED	: 05/26/98
SAMPLE MATRIX	: AQUEOUS	UNITS	: UG/L
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
BENZENE	<0.5
BROMODICHLOROMETHANE	<0.5
BROMOFORM	<0.5
BROMOMETHANE	<2.0
CARBON TETRACHLORIDE	<0.5
CHLOROBENZENE	<0.5
CHLOROETHANE	<0.5
CHLOROFORM	12
CHLOROMETHANE	<0.5
DIBROMOCHLOROMETHANE	<0.5
2-CHLOROETHYL VINYL ETHER	<5.0
1,3-DICHLOROBENZENE	<0.5
1,4-DICHLOROBENZENE	<0.5
1,2-DICHLOROBENZENE	<0.5
DICHLORODIFLUOROMETHANE	7.6
1,1-DICHLOROETHANE	<0.5
1,2-DICHLOROETHANE	<0.5
1,1-DICHLOROETHENE	<0.5
CIS-1,2-DICHLOROETHENE	<0.5
1,2-DICHLOROPROPANE	<0.5
CIS-1,3-DICHLOROPROPENE	<0.5
TRANS-1,3-DICHLOROPROPENE	<0.5
ETHYLBENZENE	<0.5
METHYLENE CHLORIDE	<2.0
1,1,2,2-TETRACHLOROETHANE	<1.0
TETRACHLOROETHENE	17
TOLUENE	<0.5
1,1,1-TRICHLOROETHANE	<0.5
1,1,2-TRICHLOROETHANE	<0.5
TRICHLOROETHENE	4.2
TRICHLOROFLUOROMETHANE	<0.5
VINYL CHLORIDE	<0.5
TOTAL XYLENES	<1.0
TRANS-1,2-DICHLOROETHENE	<0.5

SURROGATE PERCENT RECOVERIES

1-CHLORO-2-FLUOROBENZENE (PID) (%)	90
BROMOFLUOROBENZENE (HALL) (%)	108

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 80511302

TEST : VOLATILE HALOCARBONS/AROMATICS (EPA 601/602)

CLIENT	: HARDING LAWSON ASSOCIATES	DATE SAMPLED	: 05/20/98
PROJECT #	: 36311-5.98	DATE RECEIVED	: 05/21/98
PROJECT NAME	: VW+R	DATE EXTRACTED	: N/A
CLIENT I.D.	: MW-1	DATE ANALYZED	: 05/26/98
SAMPLE MATRIX	: AQUEOUS	UNITS	: UG/L
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
BENZENE	<0.5
BROMODICHLOROMETHANE	<0.5
BROMOFORM	<0.5
BROMOMETHANE	<2.0
CARBON TETRACHLORIDE	<0.5
CHLOROBENZENE	<0.5
CHLOROETHANE	<0.5
CHLOROFORM	12
CHLOROMETHANE	<0.5
DIBROMOCHLOROMETHANE	<0.5
2-CHLOROETHYL VINYL ETHER	<5.0
1,3-DICHLOROBENZENE	<0.5
1,4-DICHLOROBENZENE	<0.5
1,2-DICHLOROBENZENE	<0.5
DICHLORODIFLUOROMETHANE	9.6
1,1-DICHLOROETHANE	<0.5
1,2-DICHLOROETHANE	<0.5
1,1-DICHLOROETHENE	<0.5
CIS-1,2-DICHLOROETHENE	<0.5
1,2-DICHLOROPROPANE	<0.5
CIS-1,3-DICHLOROPROPENE	<0.5
TRANS-1,3-DICHLOROPROPENE	<0.5
ETHYLBENZENE	<0.5
METHYLENE CHLORIDE	<2.0
1,1,2,2-TETRACHLOROETHANE	<1.0
TETRACHLOROETHENE	9.9
TOLUENE	<0.5
1,1,1-TRICHLOROETHANE	<0.5
1,1,2-TRICHLOROETHANE	<0.5
TRICHLOROETHENE	2.3
TRICHLOROFLUOROMETHANE	<0.5
VINYL CHLORIDE	<0.5
TOTAL XYLENES	<1.0
TRANS-1,2-DICHLOROETHENE	<0.5

SURROGATE PERCENT RECOVERIES

1-CHLORO-2-FLUOROBENZENE (PID) (%)	91
BROMOFLUOROBENZENE (HALL) (%)	109

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 80511303

TEST : VOLATILE HALOCARBONS/AROMATICS (EPA 601/602)

CLIENT	: HARDING LAWSON ASSOCIATES	DATE SAMPLED	: 05/20/98
PROJECT #	: 36311-5.98	DATE RECEIVED	: 05/21/98
PROJECT NAME	: VW+R	DATE EXTRACTED	: N/A
CLIENT I.D.	: MW-4	DATE ANALYZED	: 05/26/98
SAMPLE MATRIX	: AQUEOUS	UNITS	: UG/L
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
BENZENE	<0.5
BROMODICHLOROMETHANE	<0.5
BROMOFORM	<0.5
BROMOMETHANE	<2.0
CARBON TETRACHLORIDE	<0.5
CHLOROBENZENE	<0.5
CHLOROETHANE	<0.5
CHLOROFORM	13
CHLOROMETHANE	<0.5
DIBROMOCHLOROMETHANE	<0.5
2-CHLOROETHYL VINYL ETHER	<5.0
1,3-DICHLOROBENZENE	<0.5
1,4-DICHLOROBENZENE	<0.5
1,2-DICHLOROBENZENE	<0.5
DICHLORODIFLUOROMETHANE	6.1
1,1-DICHLOROETHANE	<0.5
1,2-DICHLOROETHANE	<0.5
1,1-DICHLOROETHENE	0.8
CIS-1,2-DICHLOROETHENE	<0.5
1,2-DICHLOROPROPANE	<0.5
CIS-1,3-DICHLOROPROPENE	<0.5
TRANS-1,3-DICHLOROPROPENE	<0.5
ETHYLBENZENE	<0.5
METHYLENE CHLORIDE	<2.0
1,1,2,2-TETRACHLOROETHANE	<1.0
TETRACHLOROETHENE	19
TOLUENE	<0.5
1,1,1-TRICHLOROETHANE	<0.5
1,1,2-TRICHLOROETHANE	<0.5
TRICHLOROETHENE	4.8
TRICHLOROFLUOROMETHANE	<0.5
VINYL CHLORIDE	<0.5
TOTAL XYLENES	<1.0
TRANS-1,2-DICHLOROETHENE	<0.5

SURROGATE PERCENT RECOVERIES

1-CHLORO-2-FLUOROBENZENE (PID) (%)	90
BROMOFLUOROBENZENE (HALL) (%)	103

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 80511304

TEST : VOLATILE HALOCARBONS/AROMATICS (EPA 601/602)

CLIENT	: HARDING LAWSON ASSOCIATES	DATE SAMPLED	: 05/20/98
PROJECT #	: 36311-5.98	DATE RECEIVED	: 05/21/98
PROJECT NAME	: VW+R	DATE EXTRACTED	: N/A
CLIENT I.D.	: MW-9	DATE ANALYZED	: 05/26/98
SAMPLE MATRIX	: AQUEOUS	UNITS	: UG/L
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
BENZENE	0.6
BROMODICHLOROMETHANE	<0.5
BROMOFORM	<0.5
BROMOMETHANE	<2.0
CARBON TETRACHLORIDE	<0.5
CHLOROBENZENE	<0.5
CHLOROETHANE	<0.5
CHLOROFORM	2.3
CHLOROMETHANE	<0.5
DIBROMOCHLOROMETHANE	<0.5
2-CHLOROETHYL VINYL ETHER	<5.0
1,3-DICHLOROBENZENE	<0.5
1,4-DICHLOROBENZENE	<0.5
1,2-DICHLOROBENZENE	<0.5
DICHLORODIFLUOROMETHANE	0.6
1,1-DICHLOROETHANE	<0.5
1,2-DICHLOROETHANE	<0.5
1,1-DICHLOROETHENE	<0.5
CIS-1,2-DICHLOROETHENE	<0.5
1,2-DICHLOROPROPANE	<0.5
CIS-1,3-DICHLOROPROPENE	<0.5
TRANS-1,3-DICHLOROPROPENE	<0.5
ETHYLBENZENE	<0.5
METHYLENE CHLORIDE	<2.0
1,1,2,2-TETRACHLOROETHANE	<1.0
TETRACHLOROETHENE	0.9
TOLUENE	<0.5
1,1,1-TRICHLOROETHANE	<0.5
1,1,2-TRICHLOROETHANE	<0.5
TRICHLOROETHENE	1.4
TRICHLOROFLUOROMETHANE	<0.5
VINYL CHLORIDE	<0.5
TOTAL XYLENES	<1.0
TRANS-1,2-DICHLOROETHENE	<0.5

SURROGATE PERCENT RECOVERIES

1-CHLORO-2-FLUOROBENZENE (PID) (%)	90
BROMOFLUOROBENZENE (HALL) (%)	110

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 80511305

TEST : VOLATILE HALOCARBONS/AROMATICS (EPA 601/602)

CLIENT	: HARDING LAWSON ASSOCIATES	DATE SAMPLED	: 05/20/98
PROJECT #	: 36311-5.98	DATE RECEIVED	: 05/21/98
PROJECT NAME	: VW+R	DATE EXTRACTED	: N/A
CLIENT I.D.	: MW-7	DATE ANALYZED	: 05/26/98
SAMPLE MATRIX	: AQUEOUS	UNITS	: UG/L
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
BENZENE	<0.5
BROMODICHLOROMETHANE	<0.5
BROMOFORM	<0.5
BROMOMETHANE	<2.0
CARBON TETRACHLORIDE	<0.5
CHLOROBENZENE	<0.5
CHLOROETHANE	<0.5
CHLOROFORM	12
CHLOROMETHANE	<0.5
DIBROMOCHLOROMETHANE	<0.5
2-CHLOROETHYL VINYL ETHER	<5.0
1,3-DICHLOROBENZENE	<0.5
1,4-DICHLOROBENZENE	<0.5
1,2-DICHLOROBENZENE	<0.5
DICHLORODIFLUOROMETHANE	8.8
1,1-DICHLOROETHANE	<0.5
1,2-DICHLOROETHANE	<0.5
1,1-DICHLOROETHENE	<0.5
CIS-1,2-DICHLOROETHENE	<0.5
1,2-DICHLOROPROPANE	<0.5
CIS-1,3-DICHLOROPROPENE	<0.5
TRANS-1,3-DICHLOROPROPENE	<0.5
ETHYLBENZENE	<0.5
METHYLENE CHLORIDE	<2.0
1,1,2,2-TETRACHLOROETHANE	<1.0
TETRACHLOROETHENE	18
TOLUENE	<0.5
1,1,1-TRICHLOROETHANE	<0.5
1,1,2-TRICHLOROETHANE	<0.5
TRICHLOROETHENE	4.3
TRICHLOROFLUOROMETHANE	<0.5
VINYL CHLORIDE	<0.5
TOTAL XYLENES	<1.0
TRANS-1,2-DICHLOROETHENE	<0.5

SURROGATE PERCENT RECOVERIES

1-CHLORO-2-FLUOROBENZENE (PID) (%)	90
BROMOFLUOROBENZENE (HALL) (%)	109

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 80511306

TEST : VOLATILE HALOCARBONS/AROMATICS (EPA 601/602)

CLIENT	: HARDING LAWSON ASSOCIATES	DATE SAMPLED	: 05/20/98
PROJECT #	: 36311-5.98	DATE RECEIVED	: 05/21/98
PROJECT NAME	: VW+R	DATE EXTRACTED	: N/A
CLIENT I.D.	: MW-10	DATE ANALYZED	: 05/26/98
SAMPLE MATRIX	: AQUEOUS	UNITS	: UG/L
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
BENZENE	<0.5
BROMODICHLOROMETHANE	<0.5
BROMOFORM	<0.5
BROMOMETHANE	<2.0
CARBON TETRACHLORIDE	<0.5
CHLOROBENZENE	<0.5
CHLOROETHANE	<0.5
CHLOROFORM	2.9
CHLOROMETHANE	<0.5
DIBROMOCHLOROMETHANE	<0.5
2-CHLOROETHYL VINYL ETHER	<5.0
1,3-DICHLOROBENZENE	<0.5
1,4-DICHLOROBENZENE	<0.5
1,2-DICHLOROBENZENE	<0.5
DICHLORODIFLUOROMETHANE	<0.5
1,1-DICHLOROETHANE	<0.5
1,2-DICHLOROETHANE	<0.5
1,1-DICHLOROETHENE	<0.5
CIS-1,2-DICHLOROETHENE	<0.5
1,2-DICHLOROPROPANE	<0.5
CIS-1,3-DICHLOROPROPENE	<0.5
TRANS-1,3-DICHLOROPROPENE	<0.5
ETHYLBENZENE	<0.5
METHYLENE CHLORIDE	<2.0
1,1,2,2-TETRACHLOROETHANE	<1.0
TETRACHLOROETHENE	1.1
TOLUENE	<0.5
1,1,1-TRICHLOROETHANE	<0.5
1,1,2-TRICHLOROETHANE	<0.5
TRICHLOROETHENE	2.4
TRICHLOROFLUOROMETHANE	<0.5
VINYL CHLORIDE	<0.5
TOTAL XYLENES	<1.0
TRANS-1,2-DICHLOROETHENE	<0.5

SURROGATE PERCENT RECOVERIES

1-CHLORO-2-FLUOROBENZENE (PID) (%)	89
BROMOFLUOROBENZENE (HALL) (%)	105

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 80511307

TEST : VOLATILE HALOCARBONS/AROMATICS (EPA 601/602)

CLIENT	: HARDING LAWSON ASSOCIATES	DATE SAMPLED	: 05/21/98
PROJECT #	: 36311-5.98	DATE RECEIVED	: 05/21/98
PROJECT NAME	: VW+R	DATE EXTRACTED	: N/A
CLIENT I.D.	: MW-211	DATE ANALYZED	: 05/26/98
SAMPLE MATRIX	: AQUEOUS	UNITS	: UG/L
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
BENZENE	<0.5
BROMODICHLOROMETHANE	<0.5
BROMOFORM	<0.5
BROMOMETHANE	<2.0
CARBON TETRACHLORIDE	<0.5
CHLOROBENZENE	<0.5
CHLOROETHANE	<0.5
CHLOROFORM	<0.5
CHLOROMETHANE	<0.5
DIBROMOCHLOROMETHANE	<0.5
2-CHLOROETHYL VINYL ETHER	<5.0
1,3-DICHLOROBENZENE	<0.5
1,4-DICHLOROBENZENE	<0.5
1,2-DICHLOROBENZENE	<0.5
DICHLORODIFLUOROMETHANE	<0.5
1,1-DICHLOROETHANE	<0.5
1,2-DICHLOROETHANE	<0.5
1,1-DICHLOROETHENE	<0.5
CIS-1,2-DICHLOROETHENE	<0.5
1,2-DICHLOROPROPANE	<0.5
CIS-1,3-DICHLOROPROPENE	<0.5
TRANS-1,3-DICHLOROPROPENE	<0.5
ETHYLBENZENE	<0.5
METHYLENE CHLORIDE	2.7
1,1,2,2-TETRACHLOROETHANE	<1.0
TETRACHLOROETHENE	<0.5
TOLUENE	<0.5
1,1,1-TRICHLOROETHANE	<0.5
1,1,2-TRICHLOROETHANE	<0.5
TRICHLOROETHENE	<0.5
TRICHLOROFLUOROMETHANE	<0.5
VINYL CHLORIDE	<0.5
TOTAL XYLENES	<1.0
TRANS-1,2-DICHLOROETHENE	<0.5

SURROGATE PERCENT RECOVERIES

1-CHLORO-2-FLUOROBENZENE (PID) (%)	88
BROMOFLUOROBENZENE (HALL) (%)	111

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 80511308

TEST : VOLATILE HALOCARBONS/AROMATICS (EPA 601/602)

CLIENT	: HARDING LAWSON ASSOCIATES	DATE SAMPLED	: 05/21/98
PROJECT #	: 36311-5.98	DATE RECEIVED	: 05/21/98
PROJECT NAME	: VW+R	DATE EXTRACTED	: N/A
CLIENT I.D.	: MW-11	DATE ANALYZED	: 05/26/98
SAMPLE MATRIX	: AQUEOUS	UNITS	: UG/L
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
BENZENE	<0.5
BROMODICHLOROMETHANE	<0.5
BROMOFORM	<0.5
BROMOMETHANE	<2.0
CARBON TETRACHLORIDE	<0.5
CHLOROBENZENE	<0.5
CHLOROETHANE	<0.5
CHLOROFORM	3.9
CHLOROMETHANE	<0.5
DIBROMOCHLOROMETHANE	<0.5
2-CHLOROETHYL VINYL ETHER	<5.0
1,3-DICHLOROBENZENE	<0.5
1,4-DICHLOROBENZENE	<0.5
1,2-DICHLOROBENZENE	<0.5
DICHLORODIFLUOROMETHANE	1.6
1,1-DICHLOROETHANE	<0.5
1,2-DICHLOROETHANE	<0.5
1,1-DICHLOROETHENE	<0.5
CIS-1,2-DICHLOROETHENE	<0.5
1,2-DICHLOROPROPANE	<0.5
CIS-1,3-DICHLOROPROPENE	<0.5
TRANS-1,3-DICHLOROPROPENE	<0.5
ETHYLBENZENE	<0.5
METHYLENE CHLORIDE	<2.0
1,1,2,2-TETRACHLOROETHANE	<1.0
TETRACHLOROETHENE	3.3
TOLUENE	<0.5
1,1,1-TRICHLOROETHANE	<0.5
1,1,2-TRICHLOROETHANE	<0.5
TRICHLOROETHENE	5.7
TRICHLOROFLUOROMETHANE	<0.5
VINYL CHLORIDE	<0.5
TOTAL XYLENES	<1.0
TRANS-1,2-DICHLOROETHENE	<0.5

SURROGATE PERCENT RECOVERIES

1-CHLORO-2-FLUOROBENZENE (PID) (%)	90
BROMOFLUOROBENZENE (HALL) (%)	111

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 80511309

TEST : VOLATILE HALOCARBONS/AROMATICS (EPA 601/602)

CLIENT	: HARDING LAWSON ASSOCIATES	DATE SAMPLED	: 05/21/98
PROJECT #	: 36311-5.98	DATE RECEIVED	: 05/21/98
PROJECT NAME	: VW+R	DATE EXTRACTED	: N/A
CLIENT I.D.	: MW-6	DATE ANALYZED	: 05/26/98
SAMPLE MATRIX	: AQUEOUS	UNITS	: UG/L
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
BENZENE	<0.5
BROMODICHLOROMETHANE	<0.5
BROMOFORM	<0.5
BROMOMETHANE	<2.0
CARBON TETRACHLORIDE	<0.5
CHLOROBENZENE	<0.5
CHLOROETHANE	<0.5
CHLOROFORM	10
CHLOROMETHANE	<0.5
DIBROMOCHLOROMETHANE	<0.5
2-CHLOROETHYL VINYL ETHER	<5.0
1,3-DICHLOROBENZENE	<0.5
1,4-DICHLOROBENZENE	<0.5
1,2-DICHLOROBENZENE	<0.5
DICHLORODIFLUOROMETHANE	8.7
1,1-DICHLOROETHANE	<0.5
1,2-DICHLOROETHANE	<0.5
1,1-DICHLOROETHENE	1.4
CIS-1,2-DICHLOROETHENE	<0.5
1,2-DICHLOROPROPANE	<0.5
CIS-1,3-DICHLOROPROPENE	<0.5
TRANS-1,3-DICHLOROPROPENE	<0.5
ETHYLBENZENE	<0.5
METHYLENE CHLORIDE	<2.0
1,1,2,2-TETRACHLOROETHANE	<1.0
TETRACHLOROETHENE	25
TOLUENE	<0.5
1,1,1-TRICHLOROETHANE	<0.5
1,1,2-TRICHLOROETHANE	<0.5
TRICHLOROETHENE	6.8
TRICHLOROFLUOROMETHANE	<0.5
VINYL CHLORIDE	<0.5
TOTAL XYLENES	<1.0
TRANS-1,2-DICHLOROETHENE	<0.5

SURROGATE PERCENT RECOVERIES

1-CHLORO-2-FLUOROBENZENE (PID) (%)	91
BROMOFLUOROBENZENE (HALL) (%)	109

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 80511310

TEST : VOLATILE HALOCARBONS/AROMATICS (EPA 601/602)

CLIENT	: HARDING LAWSON ASSOCIATES	DATE SAMPLED	: 05/21/98
PROJECT #	: 36311-5.98	DATE RECEIVED	: 05/21/98
PROJECT NAME	: VW+R	DATE EXTRACTED	: N/A
CLIENT I.D.	: TB-01	DATE ANALYZED	: 05/26/98
SAMPLE MATRIX	: AQUEOUS	UNITS	: UG/L
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
BENZENE	<0.5
BROMODICHLOROMETHANE	<0.5
BROMOFORM	<0.5
BROMOMETHANE	<2.0
CARBON TETRACHLORIDE	<0.5
CHLOROBENZENE	<0.5
CHLOROETHANE	<0.5
CHLOROFORM	<0.5
CHLOROMETHANE	<0.5
DIBROMOCHLOROMETHANE	<0.5
2-CHLOROETHYL VINYL ETHER	<5.0
1,3-DICHLOROBENZENE	<0.5
1,4-DICHLOROBENZENE	<0.5
1,2-DICHLOROBENZENE	<0.5
DICHLORODIFLUOROMETHANE	<0.5
1,1-DICHLOROETHANE	<0.5
1,2-DICHLOROETHANE	<0.5
1,1-DICHLOROETHENE	<0.5
CIS-1,2-DICHLOROETHENE	<0.5
1,2-DICHLOROPROPANE	<0.5
CIS-1,3-DICHLOROPROPENE	<0.5
TRANS-1,3-DICHLOROPROPENE	<0.5
ETHYLBENZENE	<0.5
METHYLENE CHLORIDE	<2.0
1,1,2,2-TETRACHLOROETHANE	<1.0
TETRACHLOROETHENE	<0.5
TOLUENE	<0.5
1,1,1-TRICHLOROETHANE	<0.5
1,1,2-TRICHLOROETHANE	<0.5
TRICHLOROETHENE	<0.5
TRICHLOROFLUOROMETHANE	<0.5
VINYL CHLORIDE	<0.5
TOTAL XYLENES	<1.0
TRANS-1,2-DICHLOROETHENE	<0.5

SURROGATE PERCENT RECOVERIES

1-CHLORO-2-FLUOROBENZENE (PID) (%)	87
BROMOFLUOROBENZENE (HALL) (%)	112

GAS CHROMATOGRAPHY - RESULTS

REAGENT BLANK

TEST : VOLATILE HALOCARBONS/AROMATICS (EPA 601/602)

CLIENT	: HARDING LAWSON ASSOCIATES	ATI I.D.	: 805113
PROJECT #	: 36311-5.98	DATE EXTRACTED	: N/A
PROJECT NAME	: VW+R	DATE ANALYZED	: 05/26/98
CLIENT I.D.	: REAGENT BLANK	UNITS	: UG/L
		DILUTION FACTOR	: N/A

COMPOUNDS	RESULTS
BENZENE	<0.5
BROMODICHLOROMETHANE	<0.5
BROMOFORM	<0.5
BROMOMETHANE	<2.0
CARBON TETRACHLORIDE	<0.5
CHLOROBENZENE	<0.5
CHLOROETHANE	<0.5
CHLOROFORM	<0.5
CHLOROMETHANE	<0.5
DIBROMOCHLOROMETHANE	<0.5
2-CHLOROETHYL VINYL ETHER	<5.0
1,3-DICHLOROBENZENE	<0.5
1,4-DICHLOROBENZENE	<0.5
1,2-DICHLOROBENZENE	<0.5
DICHLORODIFLUOROMETHANE	<0.5
1,1-DICHLOROETHANE	<0.5
1,2-DICHLOROETHANE	<0.5
1,1-DICHLOROETHENE	<0.5
CIS-1,2-DICHLOROETHENE	<0.5
1,2-DICHLOROPROPANE	<0.5
CIS-1,3-DICHLOROPROPENE	<0.5
TRANS-1,3-DICHLOROPROPENE	<0.5
ETHYLBENZENE	<0.5
METHYLENE CHLORIDE	<2.0
1,1,2,2-TETRACHLOROETHANE	<1.0
TETRACHLOROETHENE	<0.5
TOLUENE	<0.5
1,1,1-TRICHLOROETHANE	<0.5
1,1,2-TRICHLOROETHANE	<0.5
TRICHLOROETHENE	<0.5
TRICHLOROFLUOROMETHANE	<0.5
VINYL CHLORIDE	<0.5
TOTAL XYLENES	<1.0
TRANS-1,2-DICHLOROETHENE	<0.5

SURROGATE PERCENT RECOVERIES

1-CHLORO-2-FLUOROBENZENE (PID) (%)	90
BROMOFLUOROBENZENE (HALL) (%)	102

QUALITY CONTROL DATA

ATI I.D. : 805113

TEST : VOLATILE HALOCARBONS/AROMATICS (EPA 601/602)

CLIENT : HARDING LAWSON ASSOCIATES
PROJECT # : 36311-5.98
PROJECT NAME : VW+R
REF I.D. : 80511302

DATE ANALYZED : 05/26/98
SAMPLE MATRIX : AQUEOUS
UNITS : UG/L

COMPOUNDS	SAMPLE RESULT	CONC. SPIKED	SPIKED SAMPLE	% REC.	DUP. SPIKED SAMPLE	DUP. % REC.	RPD
1,1-DICHLOROETHENE	<0.5	20.0	18.8	94	17.8	89	5
TRICHLOROETHENE	2.3	20.0	25.3	115	24.2	110	4
TETRACHLOROETHENE	9.9	20.0	32.7	114	31.8	110	3
BENZENE	<0.5	20.0	20.3	102	19.5	98	4
BROMODICHLOROMETHANE	<0.5	20.0	18.7	94	18.1	91	3
CHLOROFORM	12	20.0	33.2	106	32.4	102	2
1,1,1-TRICHLOROETHANE	<0.5	20.0	23.1	116	22.8	114	1
TOLUENE	<0.5	20.0	20.6	103	19.9	100	3
CHLOROBENZENE	<0.5	20.0	23.9	120	23.2	116	3
O-XYLENE	<0.5	20.0	20.6	103	19.8	99	4

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative \% Difference)} = \frac{(\text{Spiked Sample Result} - \text{Duplicate Spike Sample Result})}{\text{Average of Spiked Sample}} \times 100$$

Harding Lawson Associates
234 North Central Avenue, Suite 600
Phoenix, Arizona 85004
602/252-4105 • FAX 602/252-4162

CHAIN OF CUSTODY FORM # 805 115

Lab: AEN

Samplers: Dave Wrzosek

Job Number: 36311-5.98

Name/Location: DW+R

Project Manager: K.C. Snyder

Recorder: (Signature Required)

SOURCE CODE	MATRIX: Water	MATRIX: Soil	# CONTAINERS & PRESERV.: H_2SO_4	HNO_3	HCL	Ice	HLA SAMPLE NUMBER	LAB NUMBER	DATE: Yr	Mo	Day	Time	STATION DESCRIPTION/ NOTES	ANALYSIS REQUESTED: EPA 601/8010	EPA 602/8020	EPA 502.2	EPA 503.1	EPA 418.1	EPA 8020/BTEX	EPA 418.1AZ
23	X				2		MW-107		98	05	20	0820		X	X					
23	X				2		MW-1		98	05	20	1010		X	X					
23	X				2		MW-4		98	05	20	1045		X	X					
23	X				2		MW-9		98	05	20	1355		X	X					
23	X				2		MW-7		98	05	20	1510		X	X					
23	X				2		MW-10		98	05	20	1635		X	X					
23	X				2		MW-211		98	05	21	1030		X	X					
23	X				2		MW-11		98	05	21	1105		X	X					
23	X				2		MW-6		98	05	21	1350		X	X					
10	X				1		TB-01		98	05	21	—		X	X					

MISCELLANEOUS

Level IV Deliverables
Standard Turn Around

CHAIN OF CUSTODY RECORD

RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME
	5/21/98 1505		5/21/98 1506
RELINQUISHED BY: (Signature)		RECEIVED BY: (Signature)	DATE/TIME
RELINQUISHED BY: (Signature)		RECEIVED BY: (Signature)	DATE/TIME

SAMPLE CONDITION WHEN RECEIVED BY THE LABORATORY
Received cold: Y/N Received Intact: Y/N

Laboratory Copy White | HLA Copy Yellow | Agency Pink | Field or Office Copy Goldenrod

ATTACHMENT 1

Initial Calibration Curve

merican Environmental Network (Arizona), Inc.

GC VOA INSTRUMENT I
INJECTION LOG

ATE: 4/30/98 ANALYST: AG

SPARG #	TEST CODE	COMPUTER FILE	ACCESSION I.D.	INJ. VOL.	SURR% PID	SURR% HALL	REINJECTS	pH <2 Y/N	HNU	COMMENTS
6		0102001	Std	0.5 µl						VI-15-18 0.5 ppb
7		0201002		1 µl						1 ppb
8		03		5 µl						5
9	Level	04		10 µl						10
10		05		20 µl						20
11		06		40 µl						40
12		07		60 µl						60
1	LCS	08	LCS	20 µl	99	114				VI-15-20
2	6012	0901009	Blank	5ml	90	108				

µl of IS/Surr Mix (ID VI-81-19) added to all (QC and samples).

Purge flow 41.6 ml/min.

AG 5/1/98

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\043098\0102001.D Vial: 1
Signal #2 : C:\HPCHEM\5\DATA\043098\0102001.D\CONFIRM.D
Acq On : 30 Apr 98 09:56 AM Operator:
Sample : 0.5ppb Inst : GC 1
Misc : V1-15-18 Multiplr: 1.00
Quant Time: Apr 30 11:18 1998

Method : C:\HPCHEM\5\METHODS\1-043098.M
Title :
Last Update : Thu Apr 30 16:08:11 1998
Response via : Multiple Level Calibration

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

		Compound	R.T.	Response	Conc Units
		Internal Standards			
1)		1-CL, 2-FLBENZENE(IS)	28.85	1444036	10.00 UG/L
34)	I	FLUOROBENZENE (IS) #2	20.21	456822	10.00 UG/L
		System Monitoring Compounds			
28)	S	BFB	30.91	913116	9.31 UG/L
			Recovery	=	93.10%
47)	S	1-CL, 2-FLBENZENE #2	28.82	450596	9.58 UG/L
			Recovery	=	95.80%
49)	S	BFB #2	30.88	683668	11.46 UG/L
			Recovery	=	114.60%
		Target Compounds			
2)		DCDFM	4.53	32326	0.18 UG/L
3)		CHLOROMETHANE	5.02	82110	0.34 UG/L
4)		VINYL CHLORIDE	5.33	53017	0.24 UG/L
5)		BROMOMETHANE	6.33	25636	0.23 UG/L
6)		CHLOROETHANE	6.64	54841	0.26 UG/L
7)		TCFM	7.49	89937	0.30 UG/L
8)		FREON-113/1,1-DCE	9.36	170269	0.75 UG/L
9)		DCM	11.46	114220	0.36 UG/L
10)		TRANS-1,2-DCE	12.74	77445	0.28 UG/L
11)		1,1-DCA	14.53	109439	0.35 UG/L
12)		CIS-1,2-DCE	16.69	135221	0.42 UG/L
13)		CHLOROFORM	17.80	185613	0.48 UG/L
14)		1,1,1-TCA	18.28	182353	0.50 UG/L
15)		CARBON TETRACL	18.79	249681	0.61 UG/L
16)		1,2-DCA	19.49	164790	0.52 UG/L
17)		TCE	21.27	223133	0.67 UG/L
18)		1,2-DCPA	21.86	126695	0.45 UG/L
19)		BRODICLMETHANE	22.65	198065	0.67 UG/L
20)		2-CHLOROETHYLVINYLETHER	0.00	0	N.D. UG/L d
21)		CIS-1,3-DCPE	23.81	133950	0.50 UG/L
22)		TRANS-1,3-DCPE	25.22	118326	0.48 UG/L
23)		1,1,2-TCA	25.67	201352	0.59 UG/L
24)		PCE	26.01	299207	0.85 UG.L
25)		DIBROCLMETHANE	26.65	99951	0.42 UG/L
26)		CHLOROBENZENE	28.13	65125	0.46 UG/L

(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\043098\0102001.D Vial: 1
Signal #2 : C:\HPCHEM\5\DATA\043098\0102001.D\CONFIRM.D
Acq On : 30 Apr 98 09:56 AM Operator:
Sample : 0.5ppb Inst : GC 1
Misc : V1-15-18 Multiplr: 1.00
Quant Time: Apr 30 11:18 1998

Method : C:\HPCHEM\5\METHODS\1-043098.M
Title :
Last Update : Thu Apr 30 16:08:11 1998
Response via : Multiple Level Calibration

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

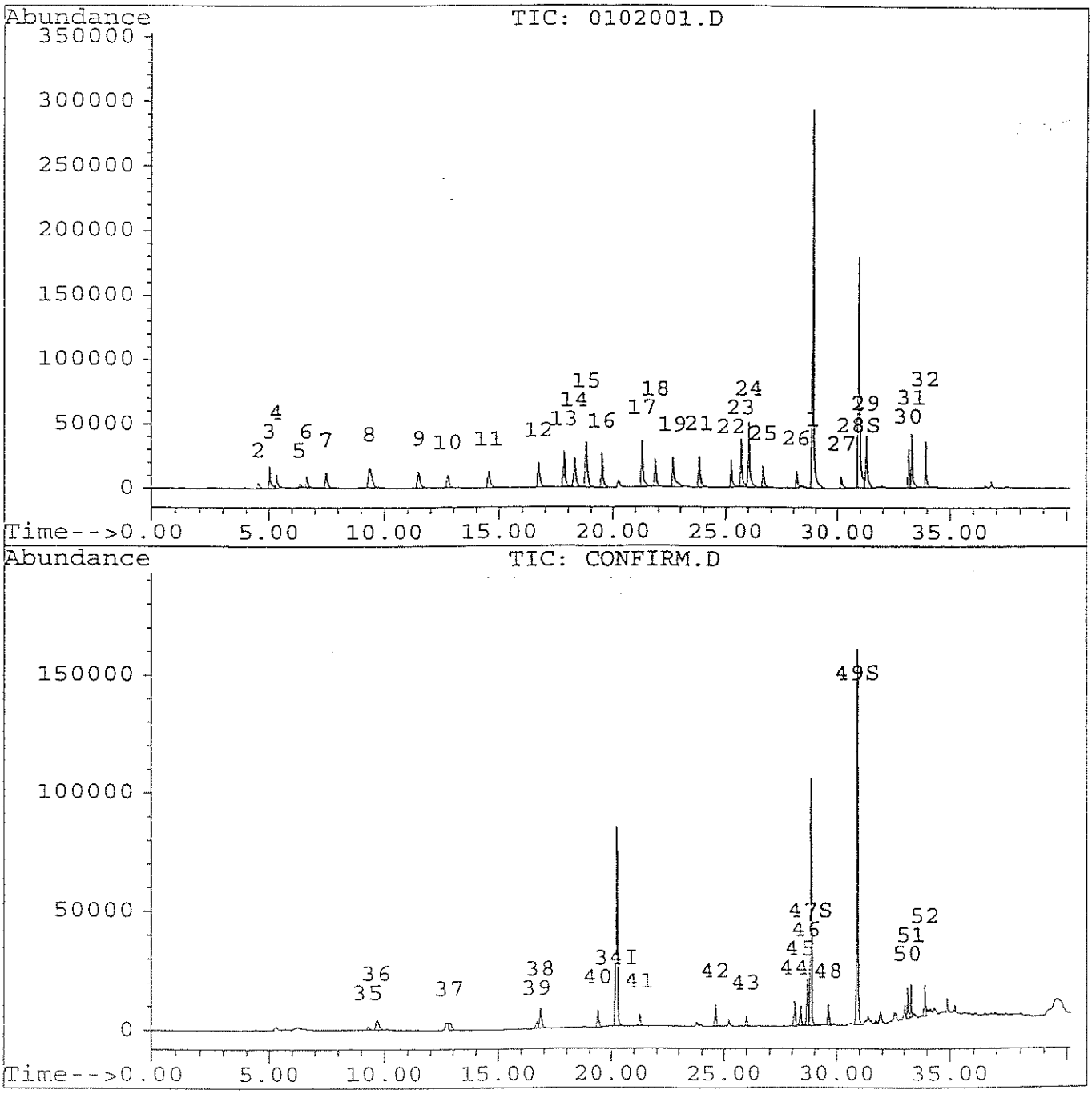
	Compound	R.T.	Response	Conc	Units
27)	BROMOFORM	30.14	56445	0.37	UG/L
29)	1,1,2,2-PCA	31.26	243454	1.00	UG/L
30)	1,3-DICLBENZENE	33.17	106940	0.60	UG/L
31)	1,4-DICLBENZENE	33.33	187769	0.91	UG/L
32)	1,2-DICLBENZENE	33.94	131415	0.71	UG/L
35)	11DCE #2	9.30	13313	0.78	UG/L
36)	ACETONE #2	9.67	43900	13.53	UG/L
37)	MTBE #2	12.84	29888	3.46	UG/L
38)	MEK #2	16.83	61914	8.29	UG/L
39)	CIS-1,2-DCE #2	16.66	16404	0.50	UG/L
40)	BENZENE #2	19.37	41653	0.59	UG/L
41)	TRICHLOROETHENE #2	21.24	26514	0.70	UG/L
42)	TOLUENE #2	24.61	45051	0.68	UG/L
43)	TETRACHLOROETHENE #2	25.99	20353	0.68	UG/L
44)	CHLOROBENZENE #2	28.10	51057	0.74	UG/L
45)	ETHYLBENZENE #2	28.36	41806	0.71	UG/L
46)	M/P XYLENE #2	28.65	85535	1.34	UG/L
48)	O-XYLENE #2	29.62	42724	0.77	UG/L
50)	1,3 - DICHLOROBENZENE #2	33.15	44513	0.76	UG/L
51)	1,4 - DICHLOROBENZENE #2	33.30	40926	0.69	UG/L
52)	1,2 - DICHLOROBENZENE #2	33.91	52537	1.04	UG/L

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\043098\0102001.D Vial: 1
Signal #2 : C:\HPCHEM\5\DATA\043098\0102001.D\CONFIRM.D
Acq On : 30 Apr 98 09:56 AM Operator:
Sample : 0.5ppb Inst : GC 1
Misc : V1-15-18 Multiplr: 1.00
Quant Time: Apr 30 11:18 1998

Method : C:\HPCHEM\5\METHODS\1-043098.M
Title :
Last Update : Thu Apr 30 16:08:11 1998
Response via : Multiple Level Calibration

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\043098\0201002.D Vial: 2
Signal #2 : C:\HPCHEM\5\DATA\043098\0201002.D\CONFIRM.D
Acq On : 30 Apr 98 10:48 AM Operator:
Sample : 1ppb Inst : GC 1
Misc : V1-15-18 Multiplr: 1.00
Quant Time: Apr 30 11:58 1998

Method : C:\HPCHEM\5\METHODS\1-043098.M
Title :
Last Update : Thu Apr 30 16:08:11 1998
Response via : Single Level Calibration

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

		Compound	R.T.	Response	Conc Units
		Internal Standards			
1)		1-CL, 2-FLBENZENE(IS)	28.88	1559068	10.00 UG/L
34)	I	FLUOROBENZENE (IS) #2	20.26	497077	10.00 UG/L
		System Monitoring Compounds			
28)	S	BFB	30.95	1044307	0.53 UG/L
			Recovery	=	5.30%
47)	S	1-CL, 2-FLBENZENE #2	28.85	486902	0.50 UG/L
			Recovery	=	5.00%
49)	S	BFB #2	30.92	665793	0.45 UG/L
			Recovery	=	4.50%
		Target Compounds			
2)		DCDFM	4.55	159556	2.29 UG/L
3)		CHLOROMETHANE	5.05	227603	1.28 UG/L
4)		VINYL CHLORIDE	5.37	170320	1.49 UG/L
5)		BROMOMETHANE	6.35	59635	1.08 UG/L
6)		CHLOROETHANE	6.68	174339	1.47 UG/L
7)		TCFM	7.54	265380	1.37 UG/L
8)		FREON-113/1,1-DCE	9.42	435934	1.19 UG/L
9)		DCM	11.53	295060	1.20 UG/L
10)		TRANS-1,2-DCE	12.81f	237481	1.42 UG/L
11)		1,1-DCA	14.58	351036	1.49 UG/L
12)		CIS-1,2-DCE	16.74	374127	1.28 UG/L
13)		CHLOROFORM	17.85	494276	1.23 UG/L
14)		1,1,1-TCA	18.33	462645	1.17 UG/L
15)		CARBON TETRACL	18.84	528139	0.98 UG/L
16)		1,2-DCA	19.54	405032	1.14 UG/L
17)		TCE	21.32	442065	0.92 UG/L
18)		1,2-DCPA	21.91	352116	1.29 UG/L
19)		BRODICLMETHANE	22.68	425086	0.99 UG/L
20)		2-CHLOROETHYLVINYLETHER	23.50f	170739	NoCal UG/L m
21)		CIS-1,3-DCPE	23.84	358839	1.24 UG/L
22)		TRANS-1,3-DCPE	25.25	312393	1.22 UG/L
23)		1,1,2-TCA	25.70	452751	1.04 UG/L
24)		PCE	26.04	555355	0.86 UG.L
25)		DIBROCLMETHANE	26.68	263037	1.22 UG/L
26)		CHLOROBENZENE	28.16	162452	1.16 UG/L

(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\043098\0201002.D Vial: 2
Signal #2 : C:\HPCHEM\5\DATA\043098\0201002.D\CONFIRM.D
Acq On : 30 Apr 98 10:48 AM Operator:
Sample : 1ppb Inst : GC 1
Misc : V1-15-18 Multiplr: 1.00
Quant Time: Apr 30 11:58 1998

Method : C:\HPCHEM\5\METHODS\1-043098.M
Title :
Last Update : Thu Apr 30 16:08:11 1998
Response via : Single Level Calibration

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	R.T.	Response	Conc	Units
27)	BROMOFORM	30.18	139932	1.15	UG/L
29)	1,1,2,2-PCA	31.30	387950	0.74	UG/L
30)	1,3-DICLBENZENE	33.20	220869	0.96	UG/L
31)	1,4-DICLBENZENE	33.35	349817	0.86	UG/L
32)	1,2-DICLBENZENE	33.96	277062	0.98	UG/L
35)	11DCE #2	9.37	21554	0.74	UG/L
36)	ACETONE #2	9.74	36990	0.39	UG/L
37)	MTBE #2	12.92f	39617	0.61	UG/L
38)	MEK #2	16.89	58028	0.43	UG/L
39)	CIS-1,2-DCE #2	16.71	35160	0.98	UG/L
40)	BENZENE #2	19.42	82931	0.91	UG/L
41)	TRICHLOROETHENE #2	21.28	49071	0.85	UG/L
42)	TOLUENE #2	24.64	80212	0.82	UG/L
43)	TETRACHLOROETHENE #2	26.01	35007	0.79	UG/L
44)	CHLOROBENZENE #2	28.13	81571	0.73	UG/L
45)	ETHYLBENZENE #2	28.39	69557	0.76	UG/L
46)	M/P XYLENE #2	28.68	153887	0.83	UG/L
48)	O-XYLENE #2	29.65	69526	0.75	UG/L
50)	1,3 - DICHLOROBENZENE #2	33.17	69462	0.72	UG/L
51)	1,4 - DICHLOROBENZENE #2	33.32	67167	0.75	UG/L
52)	1,2 - DICHLOROBENZENE #2	33.93	67898	0.59	UG/L m

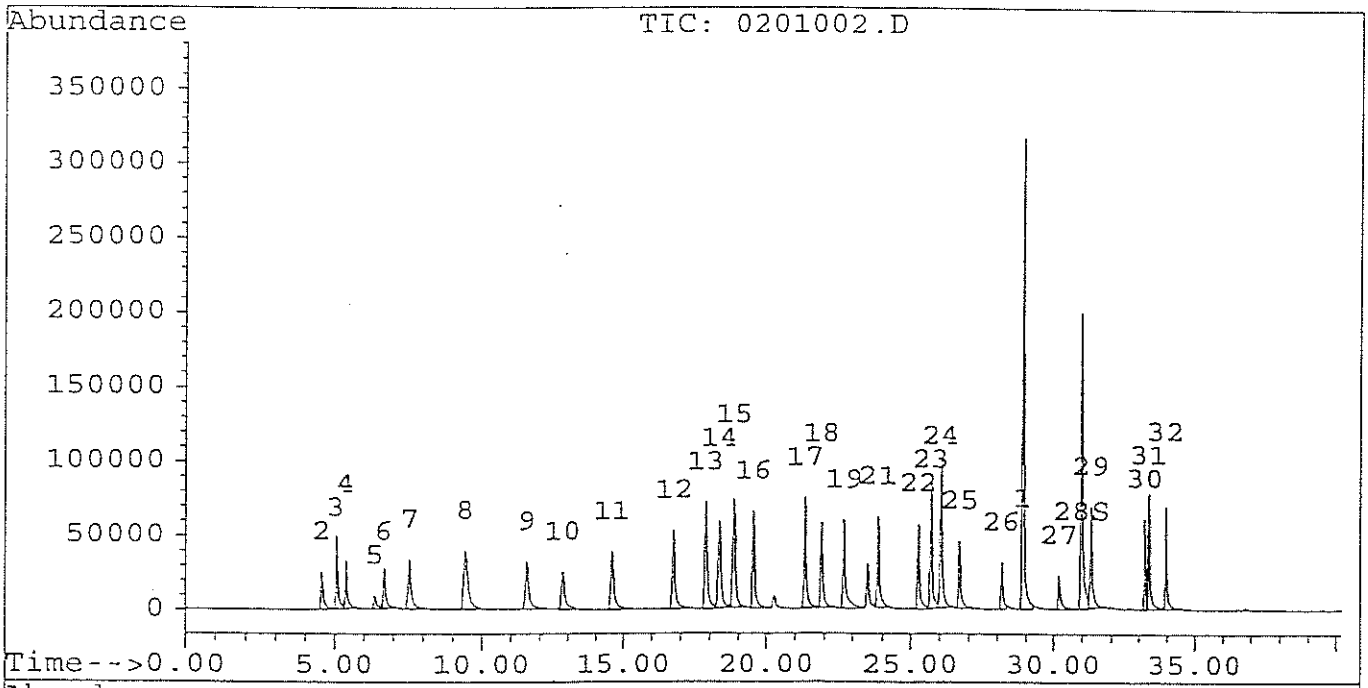
(f)=RT Delta > 1/2 Window (m)=manual int.

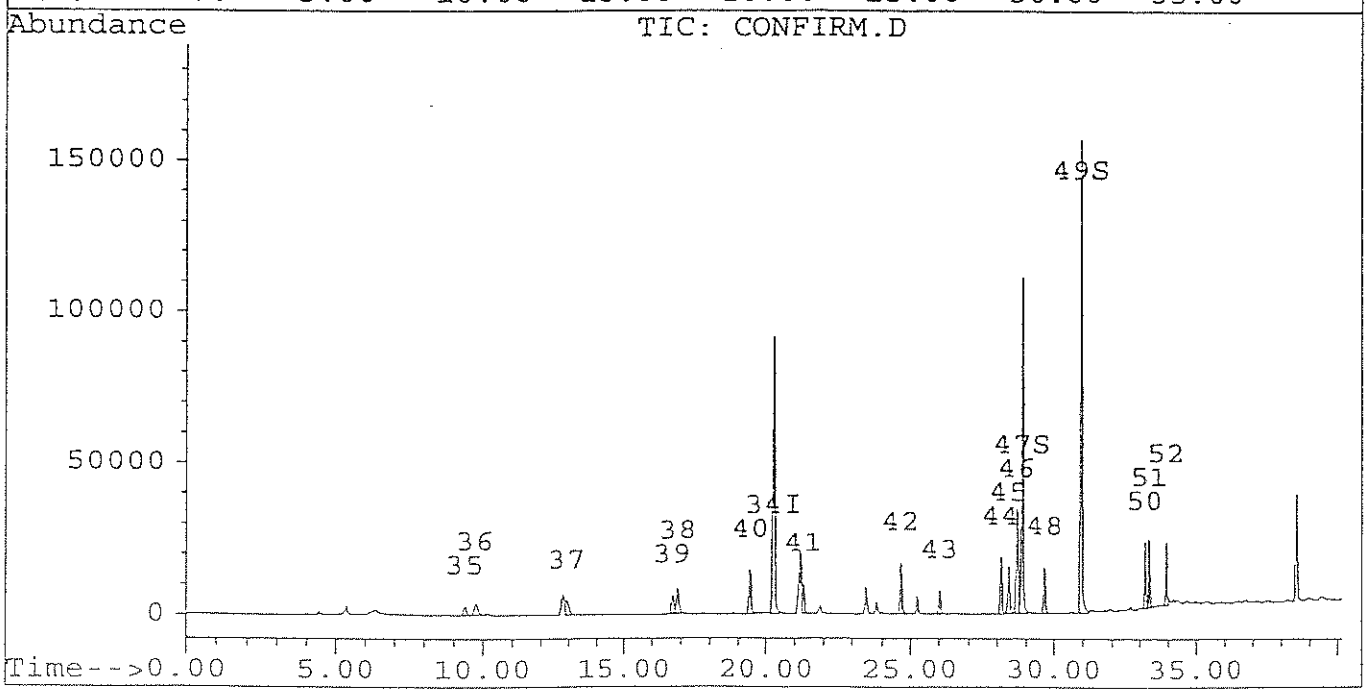
Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\043098\0201002.D Vial: 2
Signal #2 : C:\HPCHEM\5\DATA\043098\0201002.D\CONFIRM.D
Acq On : 30 Apr 98 10:48 AM Operator:
Sample : 1ppb Inst : GC 1
Misc : V1-15-18 Multiplr: 1.00
Quant Time: Apr 30 11:58 1998

Method : C:\HPCHEM\5\METHODS\1-043098.M
Title :
Last Update : Thu Apr 30 16:08:11 1998
Response via : Single Level Calibration

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\043098\0301003.D Vial: 3
Signal #2 : C:\HPCHEM\5\DATA\043098\0301003.D\CONFIRM.D
Acq On : 30 Apr 98 11:39 AM Operator:
Sample : 5ppb Inst : GC 1
Misc : V1-15-18 Multiplr: 1.00
Quant Time: Apr 30 12:25 1998

Method : C:\HPCHEM\5\METHODS\1-043098.M
Title :
Last Update : Thu Apr 30 16:08:11 1998
Response via : Multiple Level Calibration

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

		Compound	R.T.	Response	Conc Units
		Internal Standards			
1)		1-CL, 2-FLBENZENE(IS)	28.89	1742490	10.00 UG/L
34)	I	FLUOROBENZENE (IS) #2	20.27	516566	10.00 UG/L
		System Monitoring Compounds			
28)	S	BFB	30.96	1173903	0.70 UG/L
			Recovery	=	7.00%
47)	S	1-CL, 2-FLBENZENE #2	28.87	529829	0.69 UG/L
			Recovery	=	6.90%
49)	S	BFB #2	30.94	961371	0.86 UG/L
			Recovery	=	8.60%
		Target Compounds			
2)		DCDFM	4.55	1145484	7.24 UG/L
3)		CHLOROMETHANE	5.06	1433329	5.90 UG/L
4)		VINYL CHLORIDE	5.38	1048744	5.90 UG/L
5)		BROMOMETHANE	6.35	474846	7.23 UG/L
6)		CHLOROETHANE	6.66	1114483	6.11 UG/L
7)		TCFM	7.54	1591833	5.67 UG/L
8)		FREON-113/1,1-DCE	9.43	2537116	5.38 UG/L
9)		DCM	11.55	1682240	5.27 UG/L
10)		TRANS-1,2-DCE	12.82	1388969	5.56 UG/L
11)		1,1-DCA	14.59	2217937	6.05 UG/L
12)		CIS-1,2-DCE	16.74	2304769	5.77 UG/L
13)		CHLOROFORM	17.86	2900204	5.46 UG/L
14)		1,1,1-TCA	18.33	2704169	5.39 UG/L
15)		CARBON TETRACL	18.84	3093961	5.22 UG/L
16)		1,2-DCA	19.55	2457791	5.56 UG/L
17)		TCE	21.33	2538885	5.05 UG/L
18)		1,2-DCPA	21.93	2213432	5.89 UG/L
19)		BRODICLMETHANE	22.71	3533684	7.43 UG/L
20)		2-CHLOROETHYLVINYLETHER	23.52	295167	1.55 UG/L
21)		CIS-1,3-DCPE	23.86	2148827	5.57 UG/L
22)		TRANS-1,3-DCPE	25.27	1801385	5.35 UG/L
23)		1,1,2-TCA	25.72	2552803	5.09 UG/L
24)		PCE	26.06	2993564	4.67 UG.L
25)		DIBROCLMETHANE	26.69	1644413	5.80 UG/L
26)		CHLOROBENZENE	28.17	1090228	6.17 UG/L

(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\043098\0301003.D Vial: 3
Signal #2 : C:\HPCHEM\5\DATA\043098\0301003.D\CONFIRM.D
Acq On : 30 Apr 98 11:39 AM Operator:
Sample : 5ppb Inst : GC 1
Misc : V1-15-18 Multiplr: 1.00
Quant Time: Apr 30 12:25 1998

Method : C:\HPCHEM\5\METHODS\1-043098.M
Title :
Last Update : Thu Apr 30 16:08:11 1998
Response via : Multiple Level Calibration

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

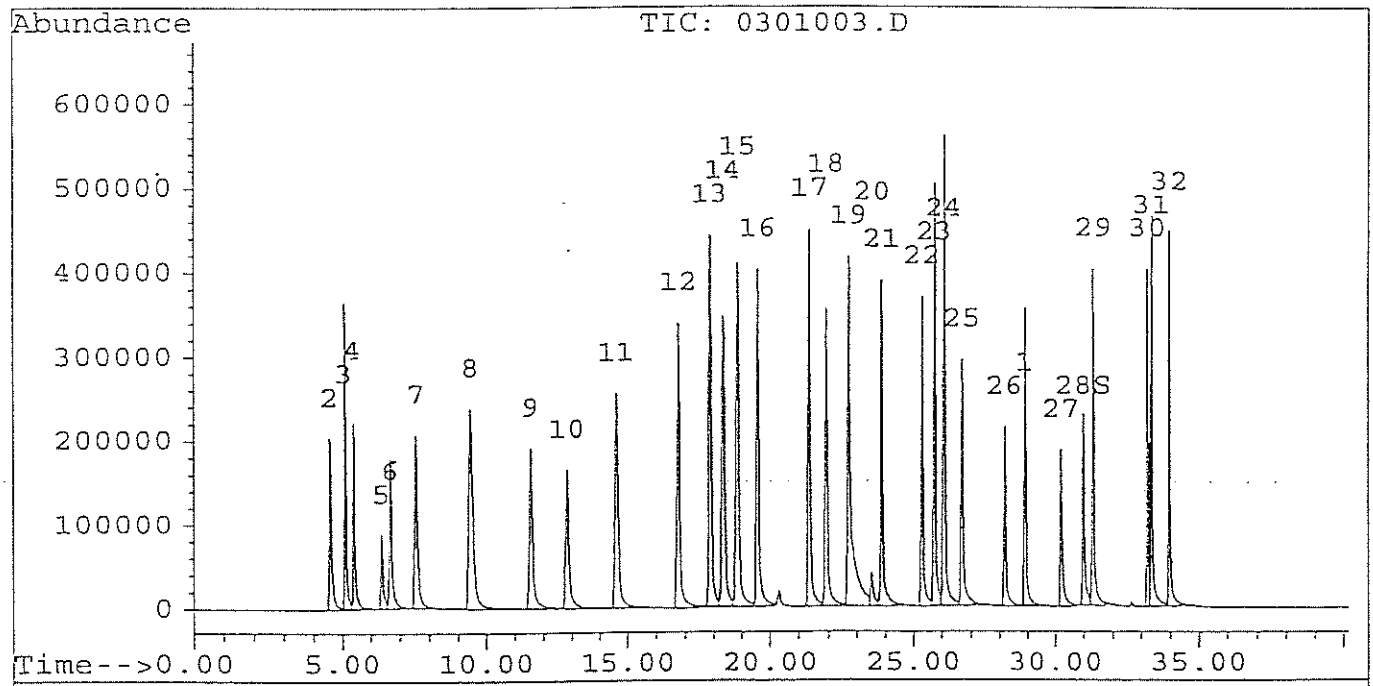
	Compound	R.T.	Response	Conc	Units
27)	BROMOFORM	30.18	1038028	6.81	UG/L
29)	1,1,2,2-PCA	31.30	2005463	4.32	UG/L
30)	1,3-DICLBENZENE	33.20	1347480	5.41	UG/L
31)	1,4-DICLBENZENE	33.35	1794648	4.45	UG/L
32)	1,2-DICLBENZENE	33.96	1594208	5.12	UG/L
35)	11DCE #2	9.38	106125	4.43	UG/L
36)	ACETONE #2	9.76	173714	3.43	UG/L
37)	MTBE #2	12.94	211157	4.55	UG/L
38)	MEK #2	16.88	311938	4.09	UG/L
39)	CIS-1,2-DCE #2	16.72	186239	5.08	UG/L
40)	BENZENE #2	19.44	425247	4.84	UG/L
41)	TRICHLOROETHENE #2	21.31	232782	4.41	UG/L
42)	TOLUENE #2	24.67	396067	4.55	UG/L
43)	TETRACHLOROETHENE #2	26.04	179119	4.68	UG/L
44)	CHLOROBENZENE #2	28.15	425490	4.68	UG/L
45)	ETHYLBENZENE #2	28.41	367696	4.79	UG/L
46)	M/P XYLENE #2	28.70	777356	4.67	UG/L
48)	O-XYLENE #2	29.66	330277	4.28	UG/L
50)	1,3 - DICHLOROBENZENE #2	33.18	355893	4.57	UG/L
51)	1,4 - DICHLOROBENZENE #2	33.33	360144	4.84	UG/L
52)	1,2 - DICHLOROBENZENE #2	33.94	381925	4.76	UG/L

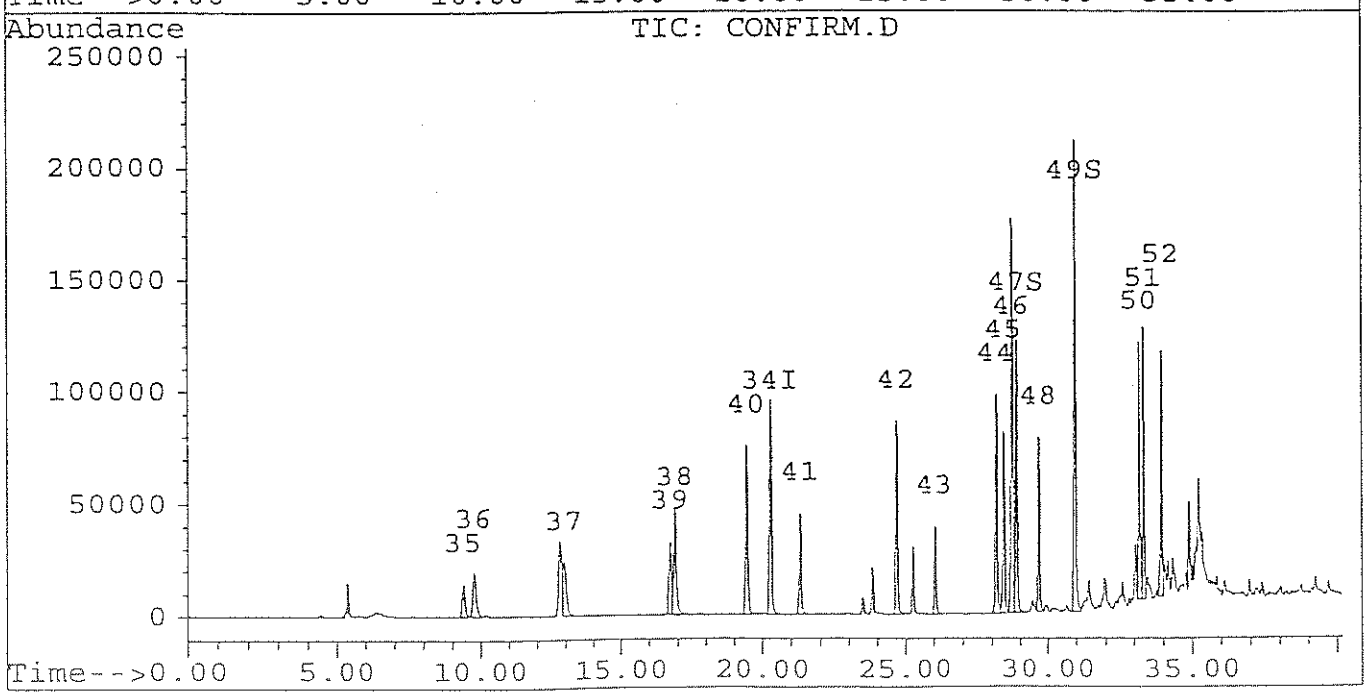
Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\043098\0301003.D Vial: 3
Signal #2 : C:\HPCHEM\5\DATA\043098\0301003.D\CONFIRM.D
Acq On : 30 Apr 98 11:39 AM Operator:
Sample : 5ppb Inst : GC 1
Misc : V1-15-18 Multiplr: 1.00
Quant Time: Apr 30 12:25 1998

Method : C:\HPCHEM\5\METHODS\1-043098.M
Title :
Last Update : Thu Apr 30 16:08:11 1998
Response via : Multiple Level Calibration

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\043098\0401004.D Vial: 4
Signal #2 : C:\HPCHEM\5\DATA\043098\0401004.D\CONFIRM.D
Acq On : 30 Apr 98 12:30 PM Operator:
Sample : 10ppb Inst : GC 1
Misc : V1-15-18 Multiplr: 1.00
Quant Time: Apr 30 13:36 1998

Method : C:\HPCHEM\5\METHODS\1-043098.M
Title :
Last Update : Thu Apr 30 16:08:11 1998
Response via : Multiple Level Calibration

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

		Compound	R.T.	Response	Conc Units
		Internal Standards			
1)		1-CL, 2-FLBENZENE(IS)	28.89	1774096	10.00 UG/L
34)	I	FLUOROBENZENE (IS) #2	20.28	506938	10.00 UG/L
		System Monitoring Compounds			
28)	S	BFB	30.96	1201073	0.98 UG/L
			Recovery	=	9.80%
47)	S	1-CL, 2-FLBENZENE #2	28.87	524559	0.98 UG/L
			Recovery	=	9.80%
49)	S	BFB #2	30.94	873935	1.10 UG/L
			Recovery	=	11.00%
		Target Compounds			
2)		DCDFM	4.55	2376743	10.34 UG/L
3)		CHLOROMETHANE	5.06	2864567	9.89 UG/L
4)		VINYL CHLORIDE	5.38	2281299	10.76 UG/L
5)		BROMOMETHANE	6.35	1130591	11.87 UG/L
6)		CHLOROETHANE	6.65	2176627	9.68 UG/L
7)		TCFM	7.52	3244270	10.07 UG/L
8)		FREON-113/1,1-DCE	9.41	4886470	9.49 UG/L
9)		DCM	11.53	3273969	9.58 UG/L
10)		TRANS-1,2-DCE	12.81	2839015	10.09 UG/L
11)		1,1-DCA	14.58	4415970	9.86 UG/L
12)		CIS-1,2-DCE	16.74	4582607	9.83 UG/L
13)		CHLOROFORM	17.85	5614357	9.54 UG/L
14)		1,1,1-TCA	18.33	5274531	9.61 UG/L
15)		CARBON TETRACL	18.84	5889831	9.37 UG/L
16)		1,2-DCA	19.55	4651656	9.34 UG/L
17)		TCE	21.34	4740468	9.17 UG/L
18)		1,2-DCPA	21.93	4184731	9.35 UG/L
19)		BRODICLMETHANE	22.71	5230485	7.38 UG/L
20)		2-CHLOROETHYLVINYLETHER	23.52	2165058	33.17 UG/L
21)		CIS-1,3-DCPE	23.86	3972367	9.12 UG/L
22)		TRANS-1,3-DCPE	25.27	3445392	9.42 UG/L
23)		1,1,2-TCA	25.71	4845811	9.33 UG/L
24)		PCE	26.05	5611155	9.17 UG.L
25)		DIBROCLMETHANE	26.68	3378346	10.16 UG/L
26)		CHLOROBENZENE	28.16	2190054	9.96 UG/L

(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\043098\0401004.D Vial: 4
Signal #2 : C:\HPCHEM\5\DATA\043098\0401004.D\CONFIRM.D
Acq On : 30 Apr 98 12:30 PM Operator:
Sample : 10ppb Inst : GC 1
Misc : V1-15-18 Multiplr: 1.00
Quant Time: Apr 30 13:36 1998

Method : C:\HPCHEM\5\METHODS\1-043098.M
Title :
Last Update : Thu Apr 30 16:08:11 1998
Response via : Multiple Level Calibration

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

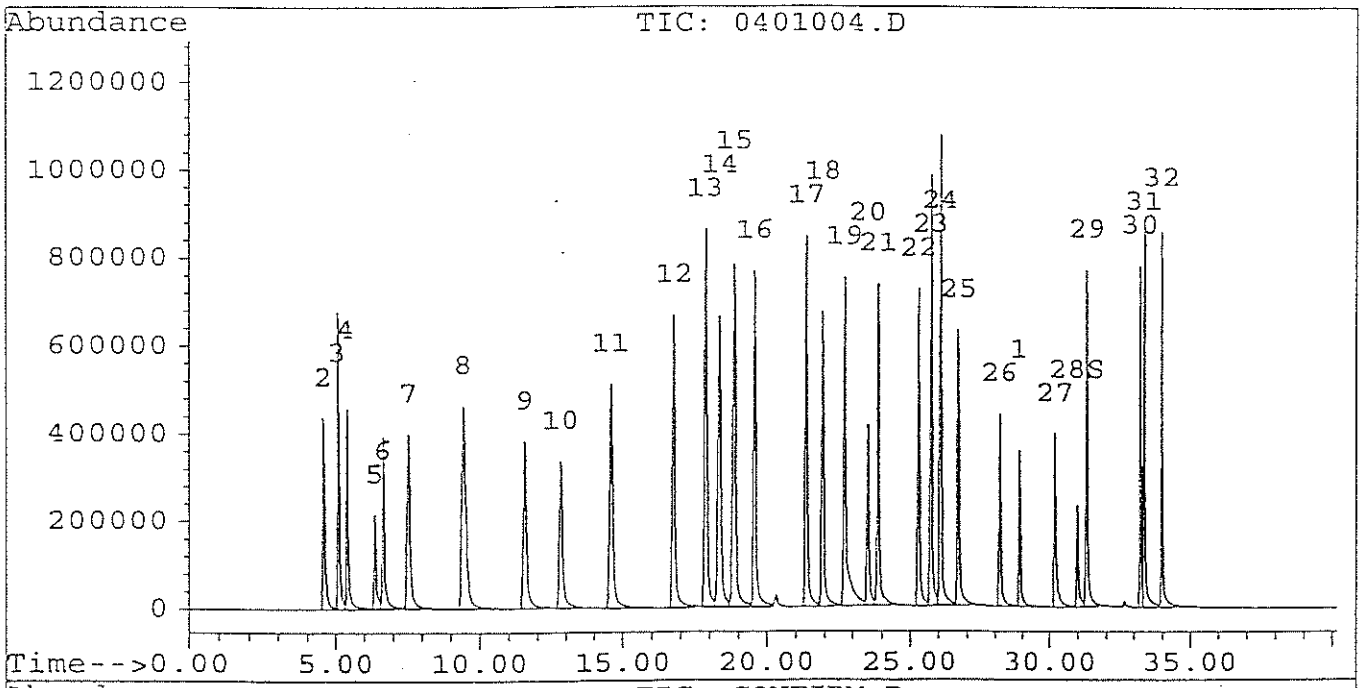
	Compound	R.T.	Response	Conc	Units
27)	BROMOFORM	30.18	2167776	10.39	UG/L
29)	1,1,2,2-PCA	31.31	3776671	9.18	UG/L
30)	1,3-DICLBENZENE	33.21	2584357	9.45	UG/L
31)	1,4-DICLBENZENE	33.36	3272195	8.90	UG/L
32)	1,2-DICLBENZENE	33.97	3020046	9.31	UG/L
35)	11DCE #2	9.38	214006	10.21	UG/L
36)	ACETONE #2	9.77	364300	10.46	UG/L
37)	MTBE #2	12.94	438904	10.54	UG/L
38)	MEK #2	16.89	795911	12.86	UG/L
39)	CIS-1,2-DCE #2	16.72	379754	10.40	UG/L
40)	BENZENE #2	19.44	846165	10.12	UG/L
41)	TRICHLOROETHENE #2	21.31	455614	9.91	UG/L
42)	TOLUENE #2	24.67	788033	10.09	UG/L
43)	TETRACHLOROETHENE #2	26.03	356618	10.11	UG/L
44)	CHLOROBENZENE #2	28.14	824724	9.84	UG/L
45)	ETHYLBENZENE #2	28.41	712129	9.85	UG/L
46)	M/P XYLENE #2	28.69	1543049	10.08	UG/L
48)	O-XYLENE #2	29.66	658024	10.07	UG/L
50)	1,3 - DICHLOROBENZENE #2	33.19	690889	9.85	UG/L
51)	1,4 - DICHLOROBENZENE #2	33.34	710452	10.04	UG/L
52)	1,2 - DICHLOROBENZENE #2	33.95	620357	8.26	UG/L

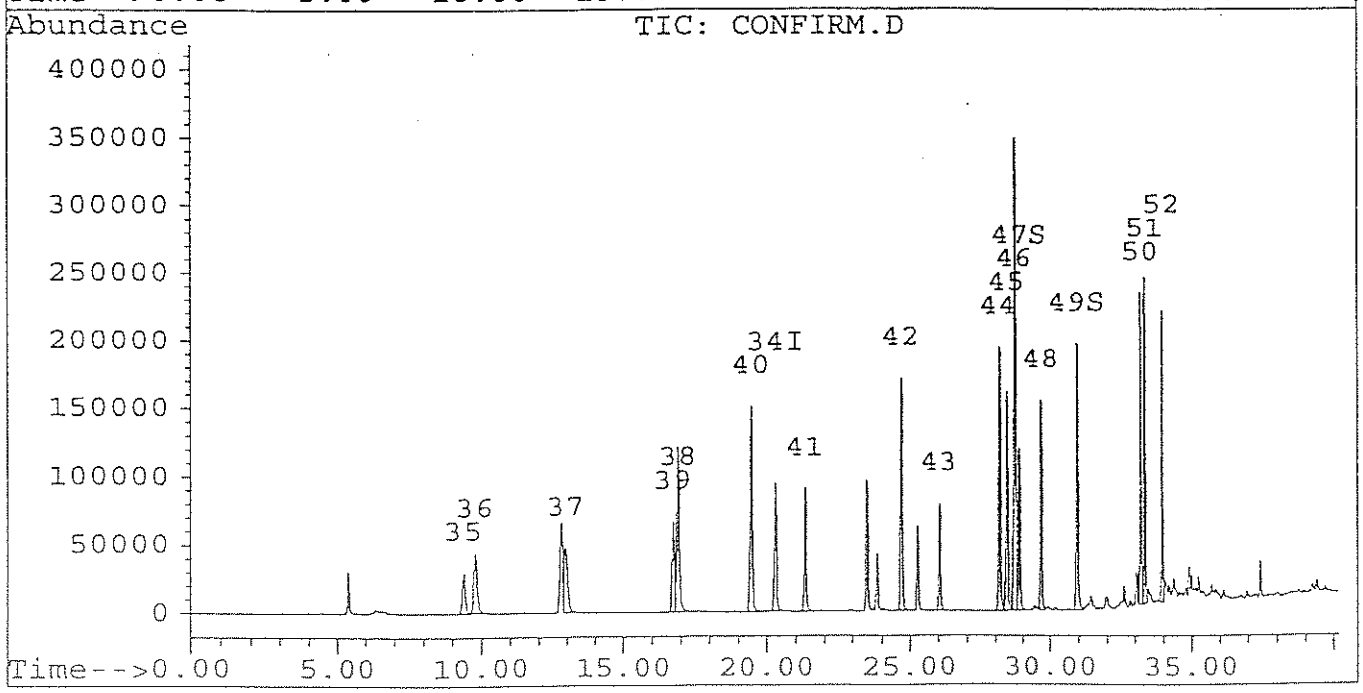
Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\043098\0401004.D Vial: 4
Signal #2 : C:\HPCHEM\5\DATA\043098\0401004.D\CONFIRM.D
Acq On : 30 Apr 98 12:30 PM Operator:
Sample : 10ppb Inst : GC 1
Misc : V1-15-18 Multiplr: 1.00
Quant Time: Apr 30 13:36 1998

Method : C:\HPCHEM\5\METHODS\1-043098.M
Title :
Last Update : Thu Apr 30 16:08:11 1998
Response via : Multiple Level Calibration

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\043098\0501005.D Vial: 5
Signal #2 : C:\HPCHEM\5\DATA\043098\0501005.D\CONFIRM.D
Acq On : 30 Apr 98 01:22 PM Operator:
Sample : 20ppb Inst : GC 1
Misc : V1-15-18 Multiplr: 1.00
Quant Time: Apr 30 14:14 1998

Method : C:\HPCHEM\5\METHODS\1-043098.M
Title :
Last Update : Thu Apr 30 16:08:11 1998
Response via : Multiple Level Calibration

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

		Compound	R.T.	Response	Conc	Units
		Internal Standards				
1)		1-CL, 2-FLBENZENE(IS)	28.90	1779915	10.00	UG/L
34)	I	FLUOROBENZENE (IS) #2	20.28	510849	10.00	UG/L
		System Monitoring Compounds				
28)	S	BFB	30.96	1228504	1.29	UG/L
				Recovery =	12.90%	
47)	S	1-CL, 2-FLBENZENE #2	28.88	532400	1.28	UG/L
				Recovery =	12.80%	
49)	S	BFB #2	30.94	667369	1.07	UG/L
				Recovery =	10.70%	
		Target Compounds				
2)		DCDFM	4.56	4450042	18.79	UG/L
3)		CHLOROMETHANE	5.07	5407449	18.77	UG/L
4)		VINYL CHLORIDE	5.39	4205582	18.65	UG/L
5)		BROMOMETHANE	6.36	2169273	19.77	UG/L
6)		CHLOROETHANE	6.66	4034404	18.35	UG/L
7)		TCFM	7.48	5845807	17.98	UG/L
8)		FREON-113/1,1-DCE	9.40	9066799	18.29	UG/L
9)		DCM	11.55	6147746	18.55	UG/L
10)		TRANS-1,2-DCE	12.82	5204905	18.31	UG/L
11)		1,1-DCA	14.60	8076227	18.17	UG/L
12)		CIS-1,2-DCE	16.75	8246565	17.87	UG/L
13)		CHLOROFORM	17.87	9999717	17.58	UG/L
14)		1,1,1-TCA	18.34	9266506	17.37	UG/L
15)		CARBON TETRACL	18.84	10526954	17.57	UG/L
16)		1,2-DCA	19.55	8578287	18.11	UG/L
17)		TCE	21.33	8683987	17.92	UG/L
18)		1,2-DCPA	21.93	7597111	17.84	UG/L
19)		BRODICLMETHANE	22.71	9068495	16.10	UG/L
20)		2-CHLOROETHYLVINYLETHER	23.51	4213589	22.67	UG/L
21)		CIS-1,3-DCPE	23.86	6707159	16.50	UG/L
22)		TRANS-1,3-DCPE	25.27	6228009	17.79	UG/L
23)		1,1,2-TCA	25.71	8513922	17.25	UG/L
24)		PCE	26.05	9449786	16.48	UG.L
25)		DIBROCLMETHANE	26.69	5859575	17.34	UG/L
26)		CHLOROBENZENE	28.17	3753820	17.07	UG/L

(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\043098\0501005.D Vial: 5
Signal #2 : C:\HPCHEM\5\DATA\043098\0501005.D\CONFIRM.D
Acq On : 30 Apr 98 01:22 PM Operator:
Sample : 20ppb Inst : GC 1
Misc : V1-15-18 Multiplr: 1.00
Quant Time: Apr 30 14:14 1998

Method : C:\HPCHEM\5\METHODS\1-043098.M
Title :
Last Update : Thu Apr 30 16:08:11 1998
Response via : Multiple Level Calibration

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

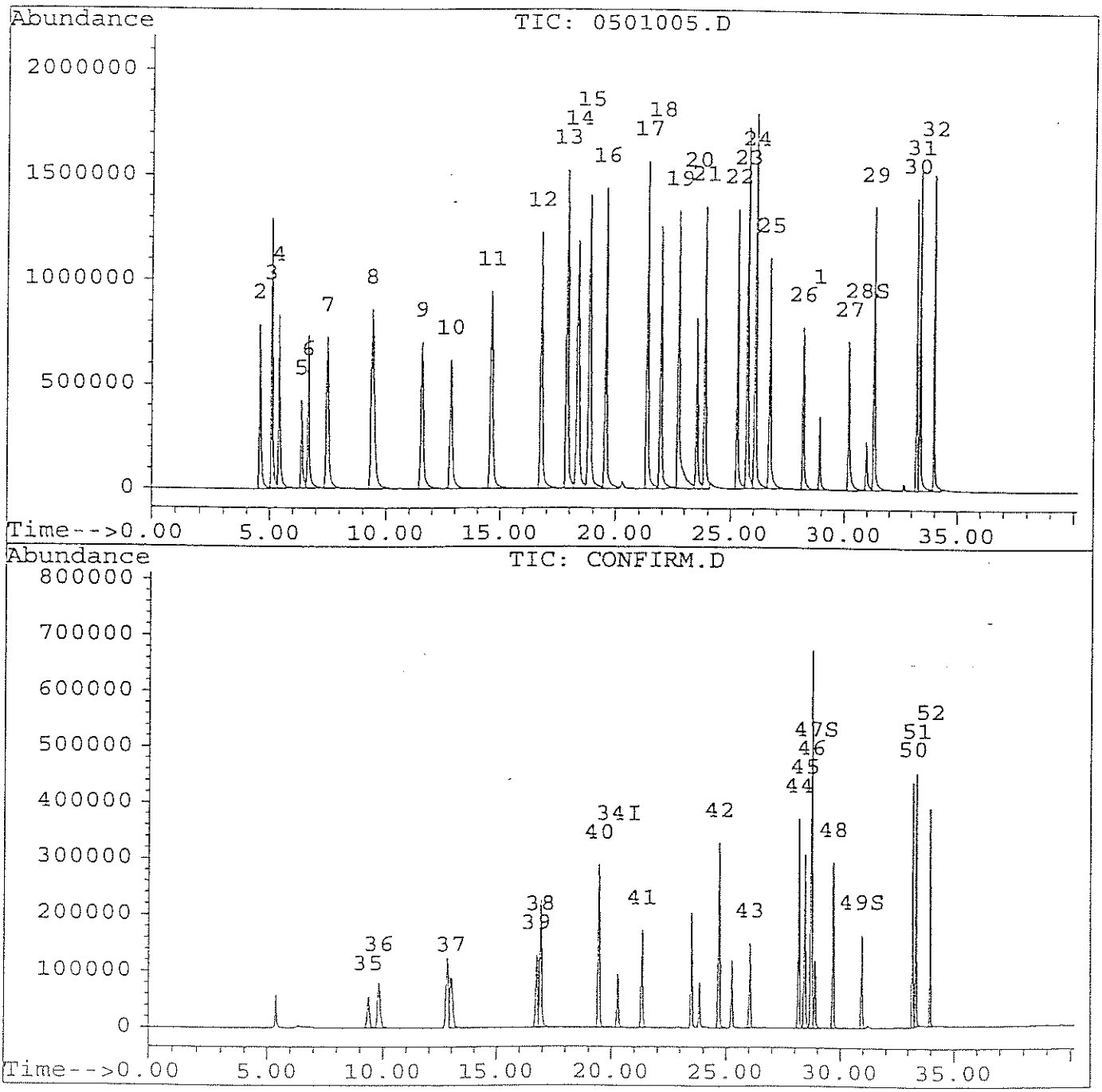
	Compound	R.T.	Response	Conc	Units
27)	BROMOFORM	30.19	3917534	18.15	UG/L
29)	1,1,2,2-PCA	31.30	6651355	17.23	UG/L
30)	1,3-DICLBENZENE	33.20	4583187	17.47	UG/L
31)	1,4-DICLBENZENE	33.35	5608594	16.66	UG/L
32)	1,2-DICLBENZENE	33.97	5052499	16.42	UG/L
35)	11DCE #2	9.37	408641	19.03	UG/L
36)	ACETONE #2	9.81f	686692	18.88	UG/L
37)	MTBE #2	12.97	894977	20.45	UG/L
38)	MEK #2	16.91	1474596	19.28	UG/L
39)	CIS-1,2-DCE #2	16.73	739974	19.49	UG/L
40)	BENZENE #2	19.44	1612434	18.96	UG/L
41)	TRICHLOROETHENE #2	21.31	871819	18.95	UG/L
42)	TOLUENE #2	24.67	1503027	18.96	UG/L
43)	TETRACHLOROETHENE #2	26.04	686795	19.15	UG/L
44)	CHLOROBENZENE #2	28.15	1563485	18.75	UG/L
45)	ETHYLBENZENE #2	28.41	1345086	18.68	UG/L
46)	M/P XYLENE #2	28.70	2951730	19.01	UG/L
48)	O-XYLENE #2	29.67	1272602	19.22	UG/L
50)	1,3 - DICHLOROBENZENE #2	33.18	1295280	18.54	UG/L
51)	1,4 - DICHLOROBENZENE #2	33.33	1304440	18.23	UG/L
52)	1,2 - DICHLOROBENZENE #2	33.94	1084468	16.62	UG/L

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\043098\0501005.D Vial: 5
Signal #2 : C:\HPCHEM\5\DATA\043098\0501005.D\CONFIRM.D
Acq On : 30 Apr 98 01:22 PM Operator:
Sample : 20ppb Inst : GC 1
Misc : V1-15-18 Multiplr: 1.00
Quant Time: Apr 30 14:14 1998

Method : C:\HPCHEM\5\METHODS\1-043098.M
Title :
Last Update : Thu Apr 30 16:08:11 1998
Response via : Multiple Level Calibration

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\043098\0601006.D Vial: 6
Signal #2 : C:\HPCHEM\5\DATA\043098\0601006.D\CONFIRM.D
Acq On : 30 Apr 98 02:13 PM Operator:
Sample : 40ppb Inst : GC 1
Misc : V1-15-18 Multiplr: 1.00
Quant Time: Apr 30 14:58 1998

Method : C:\HPCHEM\5\METHODS\1-043098.M
Title :
Last Update : Thu Apr 30 16:08:11 1998
Response via : Multiple Level Calibration

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

		Compound	R.T.	Response	Conc Units
		Internal Standards			
1)		1-CL, 2-FLBENZENE(IS)	28.90	1921654	10.00 UG/L
34)	I	FLUOROBENZENE (IS) #2	20.28	532220	10.00 UG/L
		System Monitoring Compounds			
28)	S	BFB	30.97	1273699	1.53 UG/L
			Recovery	=	15.30%
47)	S	1-CL, 2-FLBENZENE #2	28.88	623777	1.77 UG/L
			Recovery	=	17.70%
49)	S	BFB #2	30.94	695074	1.32 UG/L
			Recovery	=	13.20%
		Target Compounds			
2)		DCDFM	4.55	9244437	37.90 UG/L
3)		CHLOROMETHANE	5.06	11443711	38.60 UG/L
4)		VINYL CHLORIDE	5.40	9607217	41.60 UG/L
5)		BROMOMETHANE	6.36	4903294	41.76 UG/L
6)		CHLOROETHANE	6.65	8536527	38.37 UG/L
7)		TCFM	7.44f	11705323	36.12 UG/L
8)		FREON-113/1,1-DCE	9.37	18140510	36.25 UG/L
9)		DCM	11.54	12068464	35.70 UG/L
10)		TRANS-1,2-DCE	12.80	10309635	35.90 UG/L
11)		1,1-DCA	14.59	16178478	36.24 UG/L
12)		CIS-1,2-DCE	16.74	16174248	35.32 UG/L
13)		CHLOROFORM	17.86	19800499	35.51 UG/L
14)		1,1,1-TCA	18.32	18168958	35.05 UG/L
15)		CARBON TETRACL	18.83	20272590	34.53 UG/L
16)		1,2-DCA	19.56	15950691	33.61 UG/L
17)		TCE	21.34	16767860	34.80 UG/L
18)		1,2-DCPA	21.93	14583238	34.56 UG/L
19)		BRODICLMETHANE	22.71	17940357	34.63 UG/L
20)		2-CHLOROETHYLVINYLETHER	23.52	8347350	37.76 UG/L
21)		CIS-1,3-DCPE	23.86	13109431	34.45 UG/L
22)		TRANS-1,3-DCPE	25.27	12061580	34.84 UG/L
23)		1,1,2-TCA	25.72	16178492	33.91 UG/L
24)		PCE	26.06	18534774	34.56 UG.L
25)		DIBROCLMETHANE	26.69	11539347	35.19 UG/L
26)		CHLOROBENZENE	28.17	7280403	34.51 UG/L

(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\043098\0601006.D Vial: 6
Signal #2 : C:\HPCHEM\5\DATA\043098\0601006.D\CONFIRM.D
Acq On : 30 Apr 98 02:13 PM Operator:
Sample : 40ppb Inst : GC 1
Misc : V1-15-18 Multiplr: 1.00
Quant Time: Apr 30 14:58 1998

Method : C:\HPCHEM\5\METHODS\1-043098.M
Title :
Last Update : Thu Apr 30 16:08:11 1998
Response via : Multiple Level Calibration

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

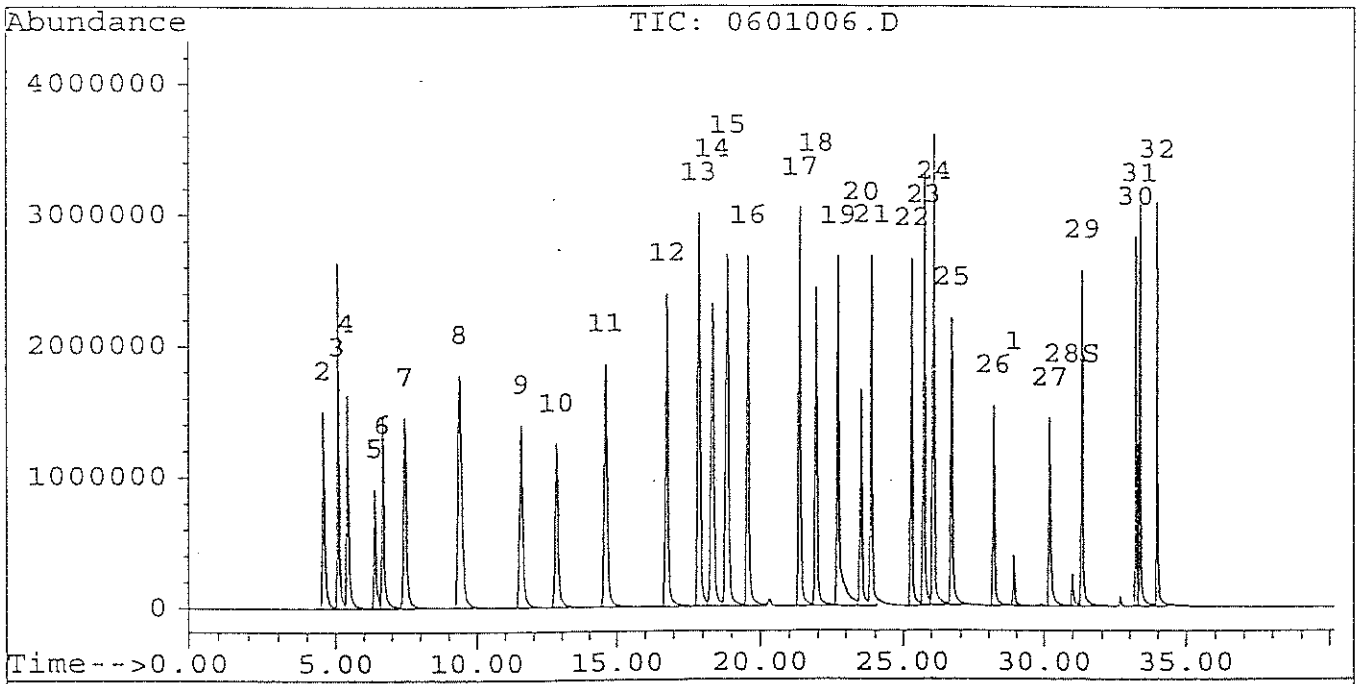
	Compound	R.T.	Response	Conc	Units
27)	BROMOFORM	30.18	7729407	35.68	UG/L
29)	1,1,2,2-PCA	31.31	12277606	32.93	UG/L
30)	1,3-DICLBENZENE	33.21	9111239	35.59	UG/L
31)	1,4-DICLBENZENE	33.36	10774722	33.95	UG/L
32)	1,2-DICLBENZENE	33.97	10007484	34.87	UG/L
35)	11DCE #2	9.34	867308	40.25	UG/L
36)	ACETONE #2	9.89f	1324081	36.49	UG/L
37)	MTBE #2	13.00	1962338	42.32	UG/L
38)	MEK #2	16.92	2710265	34.97	UG/L
39)	CIS-1,2-DCE #2	16.72	1589939	40.99	UG/L
40)	BENZENE #2	19.44	3430977	40.32	UG/L
41)	TRICHLOROETHENE #2	21.32	1851600	40.24	UG/L
42)	TOLUENE #2	24.67	3166145	39.91	UG/L
43)	TETRACHLOROETHENE #2	26.04	1465422	40.53	UG/L
44)	CHLOROBENZENE #2	28.15	3297119	39.85	UG/L
45)	ETHYLBENZENE #2	28.41	2854068	40.06	UG/L
46)	M/P XYLENE #2	28.70	6258431	40.20	UG/L
48)	O-XYLENE #2	29.67	2690918	40.20	UG/L
50)	1,3 - DICHLOROBENZENE #2	33.19	2806679	40.83	UG/L
51)	1,4 - DICHLOROBENZENE #2	33.34	2822901	40.60	UG/L
52)	1,2 - DICHLOROBENZENE #2	33.95	2378212	40.14	UG/L

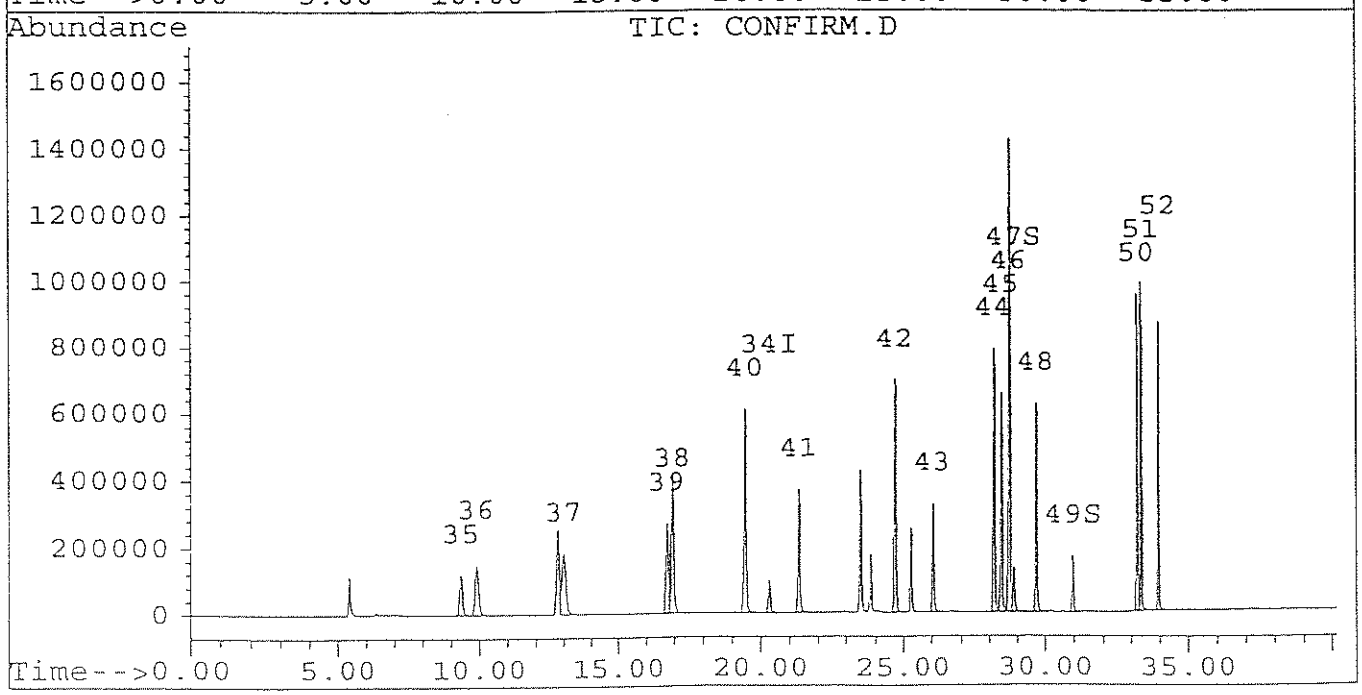
Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\043098\0601006.D Vial: 6
Signal #2 : C:\HPCHEM\5\DATA\043098\0601006.D\CONFIRM.D
Acq On : 30 Apr 98 02:13 PM Operator:
Sample : 40ppb Inst : GC 1
Misc : V1-15-18 Multiplr: 1.00
Quant Time: Apr 30 14:58 1998

Method : C:\HPCHEM\5\METHODS\1-043098.M
Title :
Last Update : Thu Apr 30 16:08:11 1998
Response via : Multiple Level Calibration

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\043098\0701007.D Vial: 7
Signal #2 : C:\HPCHEM\5\DATA\043098\0701007.D\CONFIRM.D
Acq On : 30 Apr 98 03:05 PM Operator:
Sample : 60ppb Inst : GC 1
Misc : V1-15-18 Multiplr: 1.00
Quant Time: Apr 30 15:57 1998

Method : C:\HPCHEM\5\METHODS\1-043098.M
Title :
Last Update : Thu Apr 30 16:08:11 1998
Response via : Multiple Level Calibration

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

		Compound	R.T.	Response	Conc Units
		Internal Standards			
1)		1-CL, 2-FLBENZENE(IS)	28.91	1950821	10.00 UG/L
34)	I	FLUOROBENZENE (IS) #2	20.28	470331	10.00 UG/L
		System Monitoring Compounds			
28)	S	BFB	30.98	1070390	1.50 UG/L
			Recovery	=	15.00%
47)	S	1-CL, 2-FLBENZENE #2	28.89	579574	2.21 UG/L
			Recovery	=	22.10%
49)	S	BFB #2	30.95	608037	1.56 UG/L
			Recovery	=	15.60%
		Target Compounds			
2)		DCDFM	4.55	13479539	56.68 UG/L
3)		CHLOROMETHANE	5.06	16608305	56.67 UG/L
4)		VINYL CHLORIDE	5.40	14393830	59.60 UG/L
5)		BROMOMETHANE	6.36	7300299	59.28 UG/L
6)		CHLOROETHANE	6.66	12601450	57.56 UG/L
7)		TCFM	7.42f	16825641	55.17 UG/L
8)		FREON-113/1,1-DCE	9.34	25444978	53.89 UG/L
9)		DCM	11.53	17299306	54.84 UG/L
10)		TRANS-1,2-DCE	12.79	15036940	55.89 UG/L
11)		1,1-DCA	14.57	22834227	54.22 UG/L
12)		CIS-1,2-DCE	16.75	22900547	54.02 UG/L
13)		CHLOROFORM	17.87	28035790	54.10 UG/L
14)		1,1,1-TCA	18.34	25833849	54.13 UG/L
15)		CARBON TETRACL	18.84	28996109	54.23 UG/L
16)		1,2-DCA	19.56	22978369	54.21 UG/L
17)		TCE	21.33	24018916	54.43 UG/L
18)		1,2-DCPA	21.93	21094727	54.86 UG/L
19)		BRODICLMETHANE	22.71	26146970	55.30 UG/L
20)		2-CHLOROETHYLVINYLETHER	23.52	12162422	56.58 UG/L
21)		CIS-1,3-DCPE	23.87	18693285	54.03 UG/L
22)		TRANS-1,3-DCPE	25.28	17053003	53.74 UG/L
23)		1,1,2-TCA	25.73	22910492	53.42 UG/L
24)		PCE	26.07	25860815	52.92 UG.L
25)		DIBROCLMETHANE	26.70	16830598	55.59 UG/L
26)		CHLOROBENZENE	28.18	10855451	56.52 UG/L

(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\043098\0701007.D Vial: 7
Signal #2 : C:\HPCHEM\5\DATA\043098\0701007.D\CONFIRM.D
Acq On : 30 Apr 98 03:05 PM Operator:
Sample : 60ppb Inst : GC 1
Misc : V1-15-18 Multiplr: 1.00
Quant Time: Apr 30 15:57 1998

Method : C:\HPCHEM\5\METHODS\1-043098.M
Title :
Last Update : Thu Apr 30 16:08:11 1998
Response via : Multiple Level Calibration

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	R.T.	Response	Conc	Units	
27)	BROMOFORM	30.19	11514978	56.99	UG/L	
29)	1,1,2,2-PCA	31.32	17765475	54.14	UG/L	
30)	1,3-DICLBENZENE	33.21	13614216	57.12	UG/L	
31)	1,4-DICLBENZENE	33.36	15834803	55.46	UG/L	
32)	1,2-DICLBENZENE	33.97	14673635	55.74	UG/L	
35)	11DCE #2	9.31	1248532	65.26	UG/L	
36)	ACETONE #2	9.96f	2104459	70.27	UG/L	m
37)	MTBE #2	13.04f	3002539	70.21	UG/L	
38)	MEK #2	16.96	4720667	76.13	UG/L	
39)	CIS-1,2-DCE #2	16.73	2407658	68.96	UG/L	
40)	BENZENE #2	19.44	5136985	67.90	UG/L	
41)	TRICHLOROETHENE #2	21.31	2761633	67.61	UG/L	
42)	TOLUENE #2	24.68	4754843	67.94	UG/L	
43)	TETRACHLOROETHENE #2	26.05	2193588	67.98	UG/L	
44)	CHLOROBENZENE #2	28.16	4975264	68.24	UG/L	
45)	ETHYLBENZENE #2	28.42	4274943	67.82	UG/L	
46)	M/P XYLENE #2	28.71	9345465	67.67	UG/L	
48)	O-XYLENE #2	29.68	3979564	67.02	UG/L	
50)	1,3 - DICHLOROBENZENE #2	33.19	4220174	68.40	UG/L	
51)	1,4 - DICHLOROBENZENE #2	33.34	4297471	69.16	UG/L	
52)	1,2 - DICHLOROBENZENE #2	33.95	3561056	67.83	UG/L	

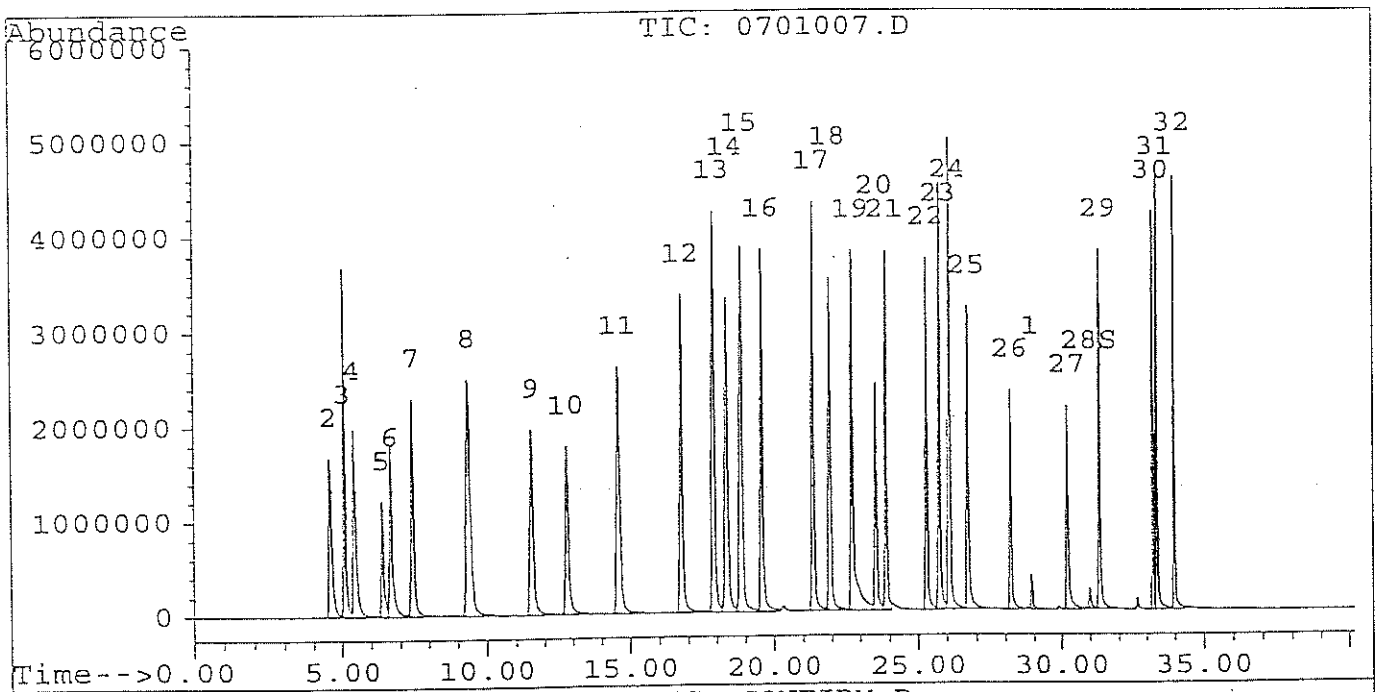
(f)=RT Delta > 1/2 Window (m)=manual int.

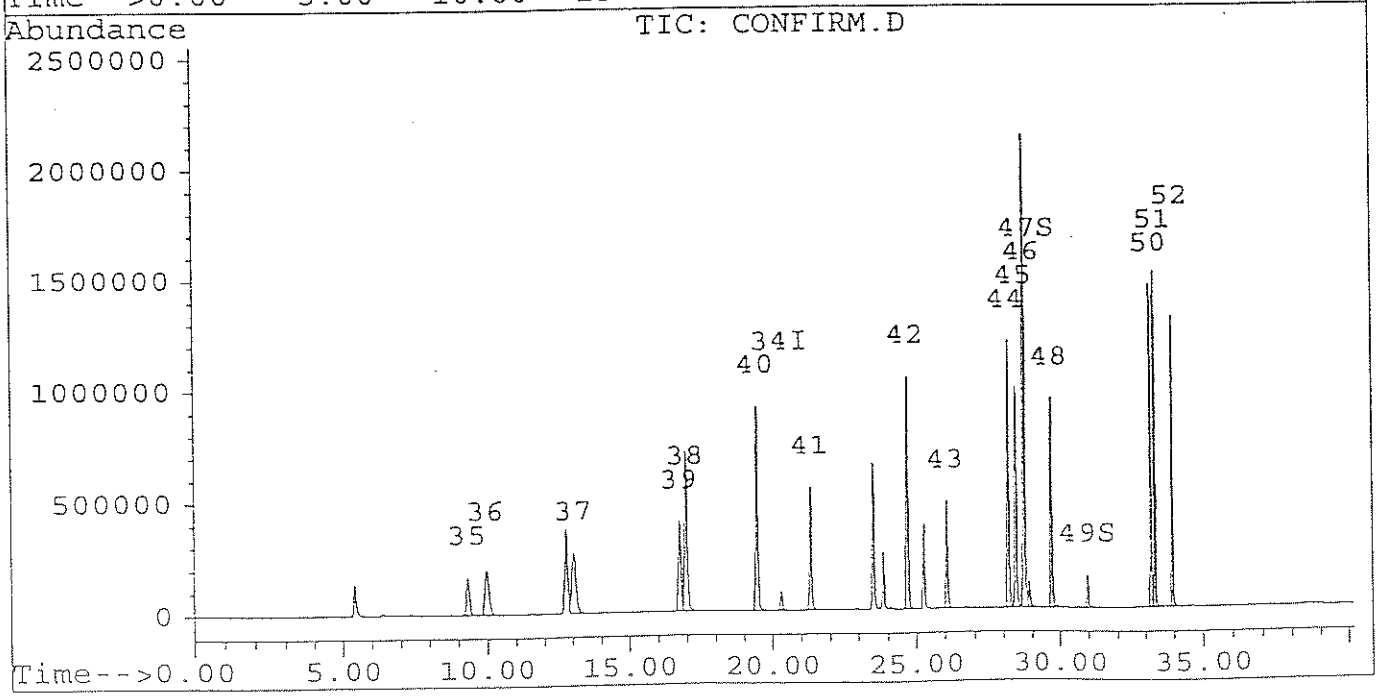
Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\043098\0701007.D Vial: 7
Signal #2 : C:\HPCHEM\5\DATA\043098\0701007.D\CONFIRM.D
Acq On : 30 Apr 98 03:05 PM Operator:
Sample : 60ppb Inst : GC 1
Misc : V1-15-18 Multiplr: 1.00
Quant Time: Apr 30 15:57 1998

Method : C:\HPCHEM\5\METHODS\1-043098.M
Title :
Last Update : Thu Apr 30 16:08:11 1998
Response via : Multiple Level Calibration

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\043098\0801008.D Vial: 8
Signal #2 : C:\HPCHEM\5\DATA\043098\0801008.D\CONFIRM.D
Acq On : 30 Apr 98 03:56 PM Operator:
Sample : LCS 20ppb Inst : GC 1
Misc : V1-15-20 Multiplr: 1.00
Quant Time: May 6 8:41 1998

Method : C:\HPCHEM\5\METHODS\1-043098.M
Title :
Last Update : Wed May 06 08:35:54 1998
Response via : Multiple Level Calibration

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

		Compound	R.T.	Response	Conc Units
		Internal Standards			
1)		1-CL, 2-FLBENZENE(IS)	28.90	1880919	10.00 UG/L
34)	I	FLUOROBENZENE (IS) #2	20.29	524421	10.00 UG/L
		System Monitoring Compounds			
28)	S	BFB	30.97	1390083	11.36 UG/L
			Recovery	=	113.60%
47)	S	1-CL, 2-FLBENZENE #2	28.88	556003	9.93 UG/L
			Recovery	=	99.30%
49)	S	BFB #2	30.94f	731450	9.46 UG/L
			Recovery	=	94.60%
		Target Compounds			
2)		DCDFM	4.55f	5073157	22.92 UG/L
3)		CHLOROMETHANE	5.09	5816249	21.33 UG/L
4)		VINYL CHLORIDE	5.39f	5121378	22.09 UG/L
5)		BROMOMETHANE	6.37	2258370	19.16 UG/L
6)		CHLOROETHANE	6.66	4578947	22.26 UG/L
7)		TCFM	7.46f	6019132	21.56 UG/L
8)		FREON-113/1,1-DCE	9.40	9493988	44.56 UG/L
9)		DCM	11.56	6470142	22.49 UG/L
10)		TRANS-1,2-DCE	12.81f	5559954	22.40 UG/L
11)		1,1-DCA	14.60f	8592906	22.53 UG/L
12)		CIS-1,2-DCE	16.76f	8631172	22.53 UG/L
13)		CHLOROFORM	17.86f	10646997	22.71 UG/L
14)		1,1,1-TCA	18.34f	10046912	23.26 UG/L
15)		CARBON TETRACL	18.84f	11228562	23.18 UG/L
16)		1,2-DCA	19.56f	9260474	24.45 UG/L
17)		TCE	21.34f	9313282	23.25 UG/L
18)		1,2-DCPA	21.94f	8104532	23.10 UG/L
19)		BRODICLMETHANE	22.72f	10719691	24.73 UG/L
20)		2-CHLOROETHYLVINYLETHER	23.53	4713994	23.52 UG/L
21)		CIS-1,3-DCPE	23.87f	7464561	24.02 UG/L
22)		TRANS-1,3-DCPE	25.28f	7010370	24.80 UG/L
23)		1,1,2-TCA	25.73	9624550	25.32 UG/L
24)		PCE	26.07f	10507805	24.24 UG.L
25)		DIBROCLMETHANE	26.70	6710669	24.10 UG/L
26)		CHLOROBENZENE	28.18f	4230467	23.71 UG/L

(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\043098\0801008.D Vial: 8
Signal #2 : C:\HPCHEM\5\DATA\043098\0801008.D\CONFIRM.D
Acq On : 30 Apr 98 03:56 PM Operator:
Sample : LCS 20ppb Inst : GC 1
Misc : V1-15-20 Multiplr: 1.00
Quant Time: May 6 8:41 1998

Method : C:\HPCHEM\5\METHODS\1-043098.M
Title :
Last Update : Wed May 06 08:35:54 1998
Response via : Multiple Level Calibration

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

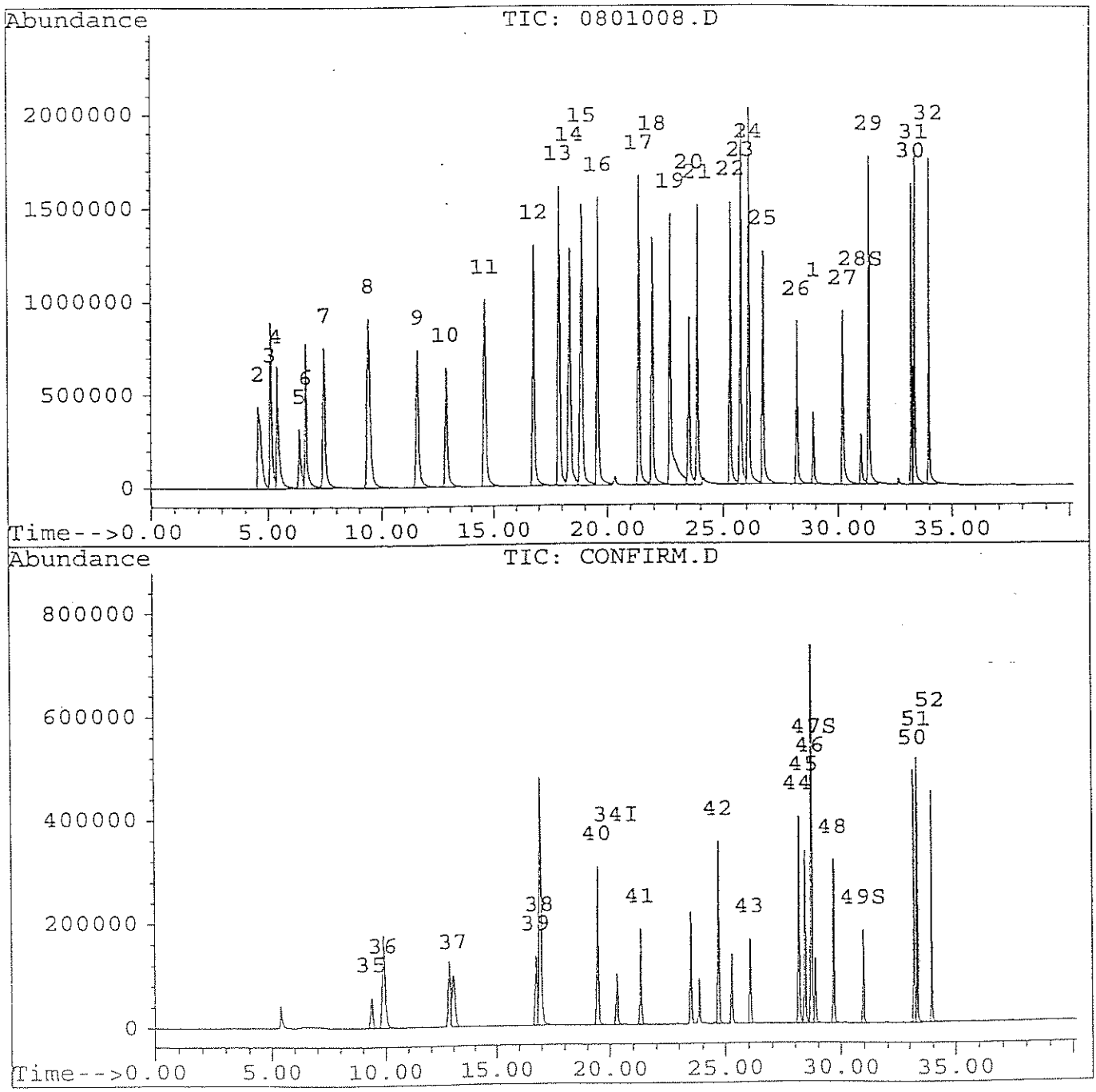
	Compound	R.T.	Response	Conc	Units	
27)	BROMOFORM	30.19f	4990077	26.45	UG/L	
29)	1,1,2,2-PCA	31.30f	8570065	29.26	UG/L	
30)	1,3-DICLBENZENE	33.21f	5265855	23.63	UG/L	
31)	1,4-DICLBENZENE	33.36f	6484189	24.73	UG/L	
32)	1,2-DICLBENZENE	33.97f	5757816	23.75	UG/L	
35)	11DCE #2	9.36	418633	18.60	UG/L	
36)	ACETONE #2	9.88	1697931	438.97	UG/L	
37)	MTBE #2	13.00	1045478	109.62	UG/L	
38)	MEK #2	16.93f	3235633	375.03	UG/L	
39)	CIS-1,2-DCE #2	16.74f	768650	19.74	UG/L	
40)	BENZENE #2	19.45f	1703631	20.20	UG/L	
41)	TRICHLOROETHENE #2	21.32f	931192	20.45	UG/L	
42)	TOLUENE #2	24.68	1608092	20.61	UG/L	
43)	TETRACHLOROETHENE #2	26.05f	738815	20.53	UG/L	
44)	CHLOROBENZENE #2	28.15f	1698516	20.89	UG/L	
45)	ETHYLBENZENE #2	28.42f	1443128	20.53	UG/L	
46)	M/P XYLENE #2	28.70f	3185479	41.38	UG/L	
48)	O-XYLENE #2	29.67f	1364581	20.61	UG/L	
50)	1,3 - DICHLOROBENZENE #2	33.19	1440647	20.94	UG/L	
51)	1,4 - DICHLOROBENZENE #2	33.34	1513469	21.84	UG/L	m
52)	1,2 - DICHLOROBENZENE #2	33.95	1236047	21.12	UG/L	

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\043098\0801008.D Vial: 8
Signal #2 : C:\HPCHEM\5\DATA\043098\0801008.D\CONFIRM.D
Acq On : 30 Apr 98 03:56 PM Operator:
Sample : LCS 20ppb Inst : GC 1
Misc : V1-15-20 Multiplr: 1.00
Quant Time: May 6 8:41 1998

Method : C:\HPCHEM\5\METHODS\1-043098.M
Title :
Last Update : Wed May 06 08:35:54 1998
Response via : Multiple Level Calibration

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\043098\0901009.D Vial: 9
Signal #2 : C:\HPCHEM\5\DATA\043098\0901009.D\CONFIRM.D
Acq On : 30 Apr 98 04:48 PM Operator:
Sample : BLANK 5ml Inst : GC 1
Misc : Multiplr: 1.00
Quant Time: May 6 8:42 1998

Method : C:\HPCHEM\5\METHODS\1-043098.M
Title :
Last Update : Wed May 06 08:35:54 1998
Response via : Multiple Level Calibration

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

		Compound	R.T.	Response	Conc Units
		Internal Standards			
1)		1-CL, 2-FLBENZENE(IS)	28.91	1718956	10.00 UG/L
34)	I	FLUOROBENZENE (IS) #2	20.31	558903	10.00 UG/L
		System Monitoring Compounds			
28)	S	BFB	30.98	1203407	10.76 UG/L
			Recovery	=	107.60%
47)	S	1-CL, 2-FLBENZENE #2	28.89	539437	9.04 UG/L
			Recovery	=	90.40%
49)	S	BFB #2	30.96f	759726	9.21 UG/L
			Recovery	=	92.10%
		Target Compounds			
2)		DCDFM	0.00	0	N.D. UG/L
3)		CHLOROMETHANE	5.16f	27925	0.11 UG/L
4)		VINYL CHLORIDE	0.00	0	N.D. UG/L
5)		BROMOMETHANE	6.43	10338	0.10 UG/L
6)		CHLOROETHANE	0.00	0	N.D. UG/L
7)		TCFM	0.00	0	N.D. UG/L
8)		FREON-113/1,1-DCE	0.00	0	N.D. UG/L
9)		DCM	11.61	83062	0.32 UG/L
10)		TRANS-1,2-DCE	0.00	0	N.D. UG/L
11)		1,1-DCA	0.00	0	N.D. UG/L
12)		CIS-1,2-DCE	0.00	0	N.D. UG/L
13)		CHLOROFORM	0.00	0	N.D. UG/L
14)		1,1,1-TCA	0.00	0	N.D. UG/L
15)		CARBON TETRACL	0.00	0	N.D. UG/L
16)		1,2-DCA	0.00	0	N.D. UG/L
17)		TCE	0.00	0	N.D. UG/L
18)		1,2-DCPA	0.00	0	N.D. UG/L
19)		BRODICLMETHANE	0.00	0	N.D. UG/L
20)		2-CHLOROETHYLVINYLETHER	0.00	0	N.D. UG/L
21)		CIS-1,3-DCPE	0.00	0	N.D. UG/L
22)		TRANS-1,3-DCPE	0.00	0	N.D. UG/L
23)		1,1,2-TCA	0.00	0	N.D. UG/L
24)		PCE	26.09	5637	0.01 UG.L
25)		DIBROCLMETHANE	0.00	0	N.D. UG/L
26)		CHLOROBENZENE	0.00	0	N.D. UG/L

(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\043098\0901009.D Vial: 9
Signal #2 : C:\HPCHEM\5\DATA\043098\0901009.D\CONFIRM.D
Acq On : 30 Apr 98 04:48 PM Operator:
Sample : BLANK 5ml Inst : GC 1
Misc : Multiplr: 1.00
Quant Time: May 6 8:42 1998

Method : C:\HPCHEM\5\METHODS\1-043098.M
Title :
Last Update : Wed May 06 08:35:54 1998
Response via : Multiple Level Calibration

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

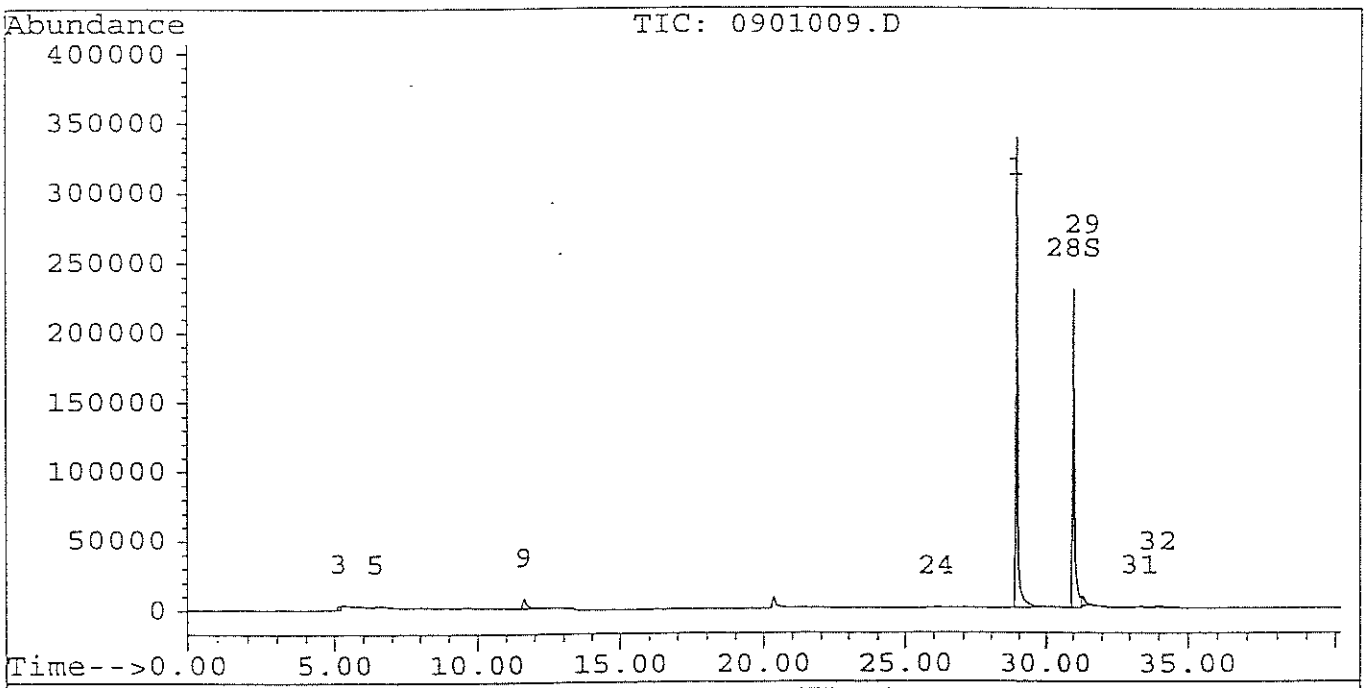
	Compound	R.T.	Response	Conc Units
27)	BROMOFORM	0.00	0	N.D. UG/L
29)	1,1,2,2-PCA	31.33	52105	0.19 UG/L
30)	1,3-DICLBENZENE	0.00	0	N.D. UG/L
31)	1,4-DICLBENZENE	33.38	8382	0.03 UG/L
32)	1,2-DICLBENZENE	33.99	8715	0.04 UG/L
35)	11DCE #2	0.00	0	N.D. UG/L
36)	ACETONE #2	9.81f	11941	2.90 UG/L
37)	MTBE #2	0.00	0	N.D. UG/L
38)	MEK #2	16.96	14893	1.62 UG/L
39)	CIS-1,2-DCE #2	0.00	0	N.D. UG/L
40)	BENZENE #2	0.00	0	N.D. UG/L
41)	TRICHLOROETHENE #2	0.00	0	N.D. UG/L
42)	TOLUENE #2	0.00	0	N.D. UG/L
43)	TETRACHLOROETHENE #2	0.00	0	N.D. UG/L
44)	CHLOROBENZENE #2	0.00	0	N.D. UG/L
45)	ETHYLBENZENE #2	0.00	0	N.D. UG/L
46)	M/P XYLENE #2	28.71	7778	0.09 UG/L
48)	O-XYLENE #2	0.00	0	N.D. UG/L
50)	1,3 - DICHLOROBENZENE #2	33.06f	6971	0.10 UG/L
51)	1,4 - DICHLOROBENZENE #2	0.00	0	N.D. UG/L
52)	1,2 - DICHLOROBENZENE #2	0.00	0	N.D. UG/L

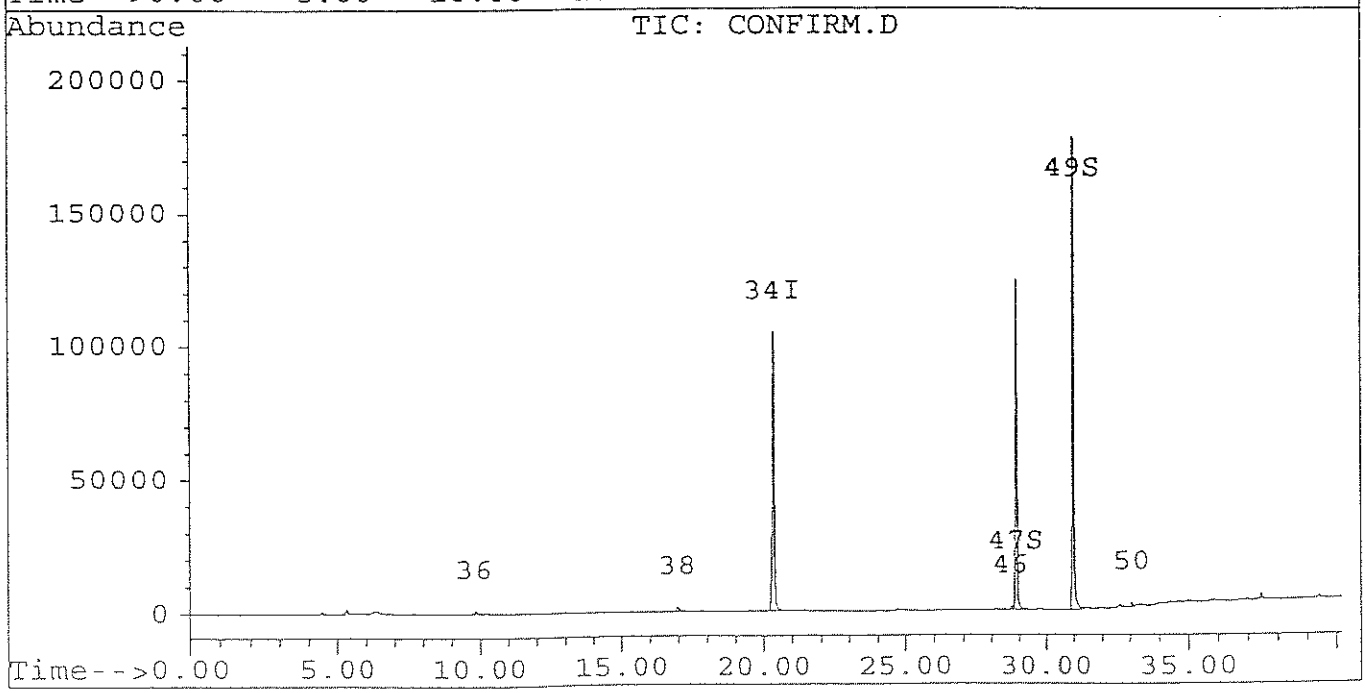
Quantitation Report

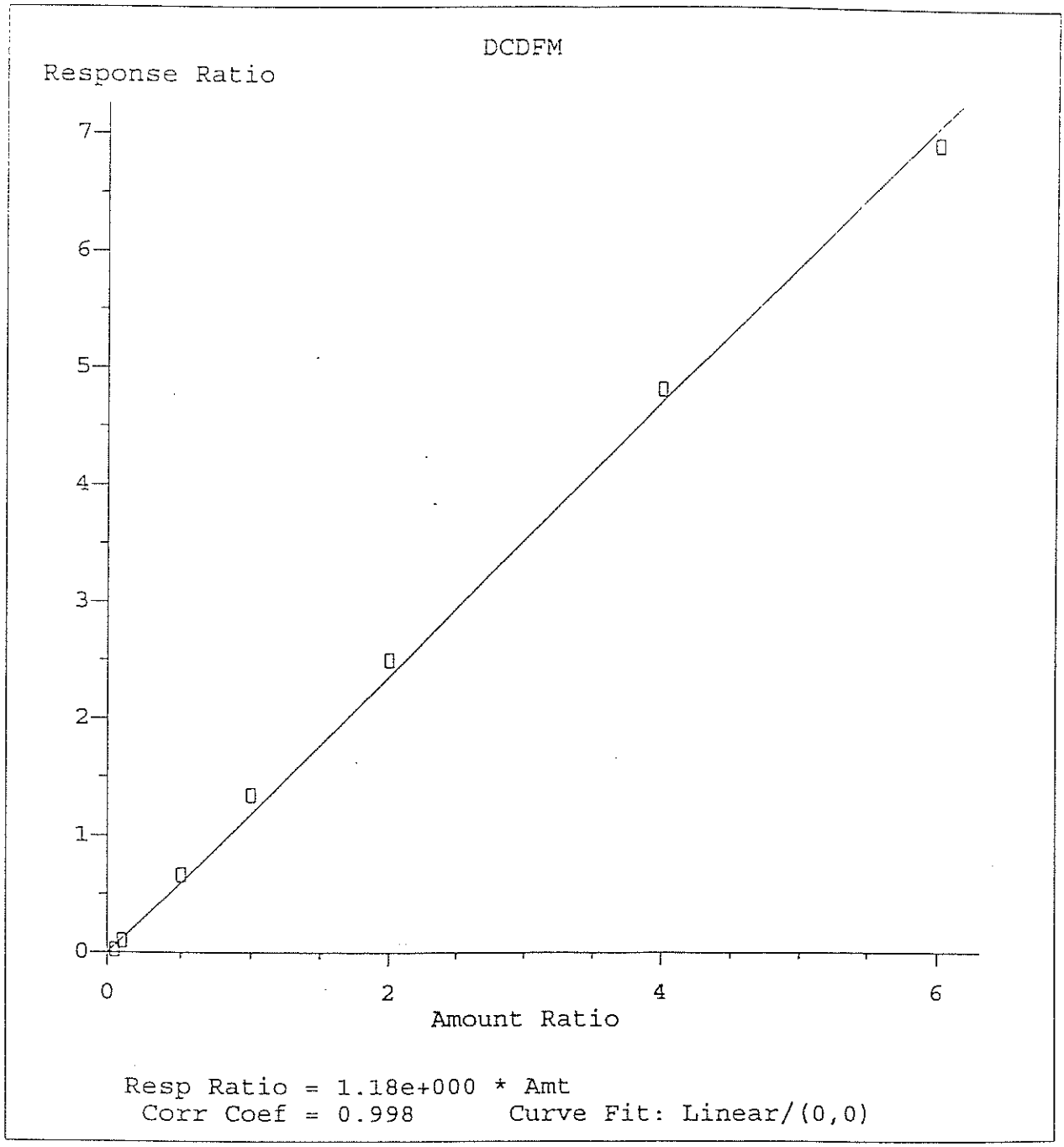
Signal #1 : C:\HPCHEM\5\DATA\043098\0901009.D Vial: 9
Signal #2 : C:\HPCHEM\5\DATA\043098\0901009.D\CONFIRM.D
Acq On : 30 Apr 98 04:48 PM Operator:
Sample : BLANK 5ml Inst : GC 1
Misc : Multiplr: 1.00
Quant Time: May 6 8:42 1998

Method : C:\HPCHEM\5\METHODS\1-043098.M
Title :
Last Update : Wed May 06 08:35:54 1998
Response via : Multiple Level Calibration

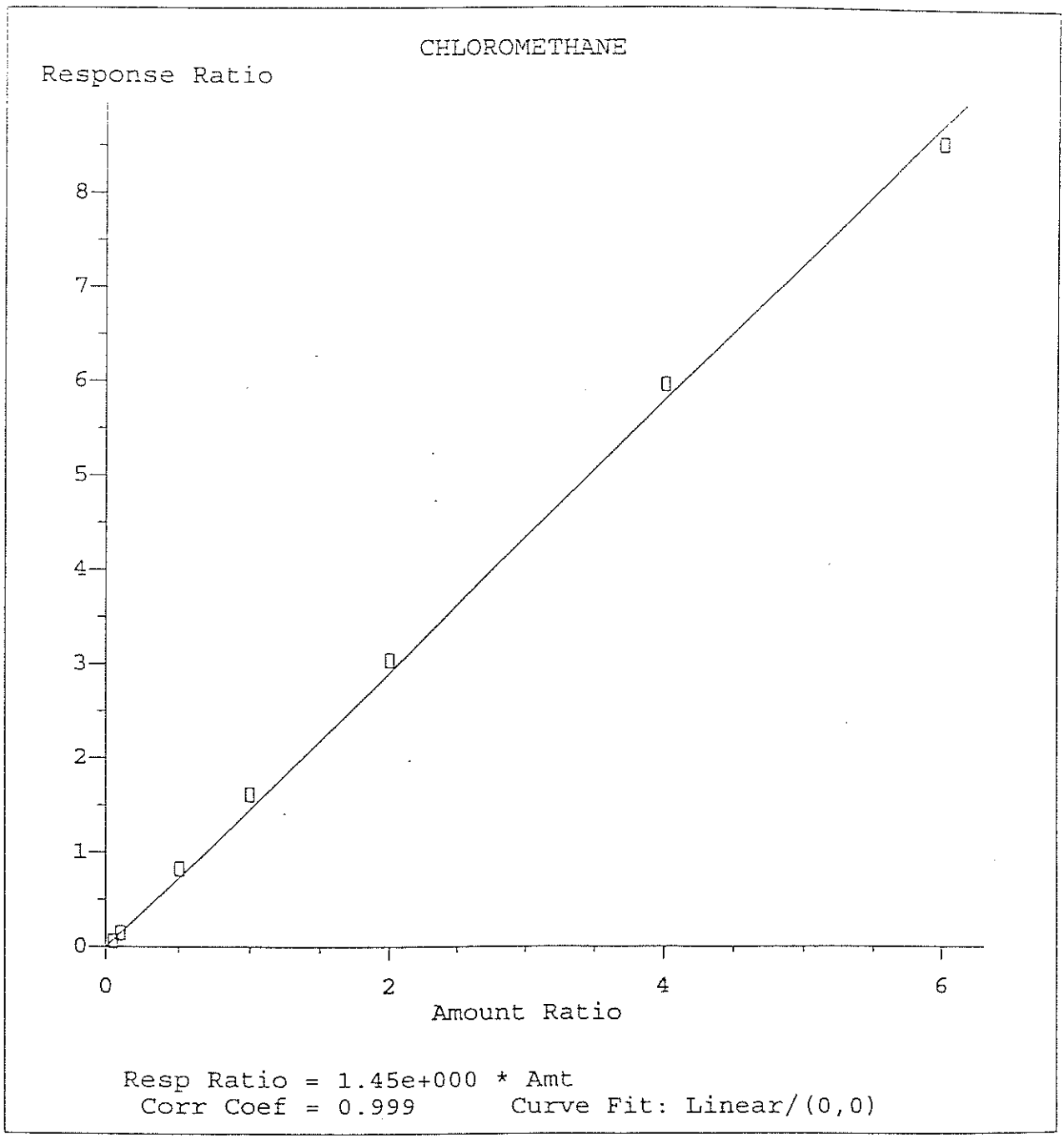
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



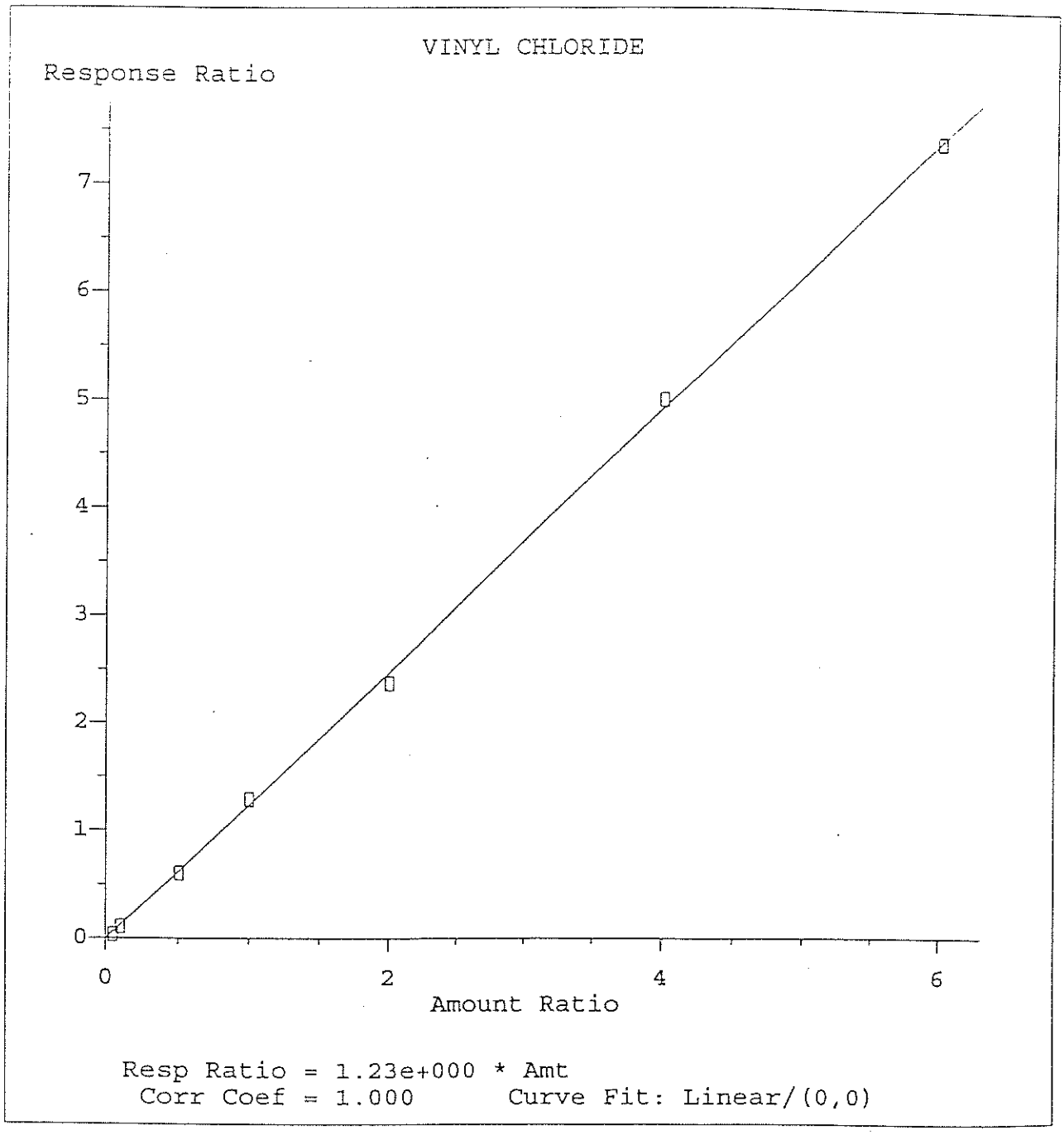




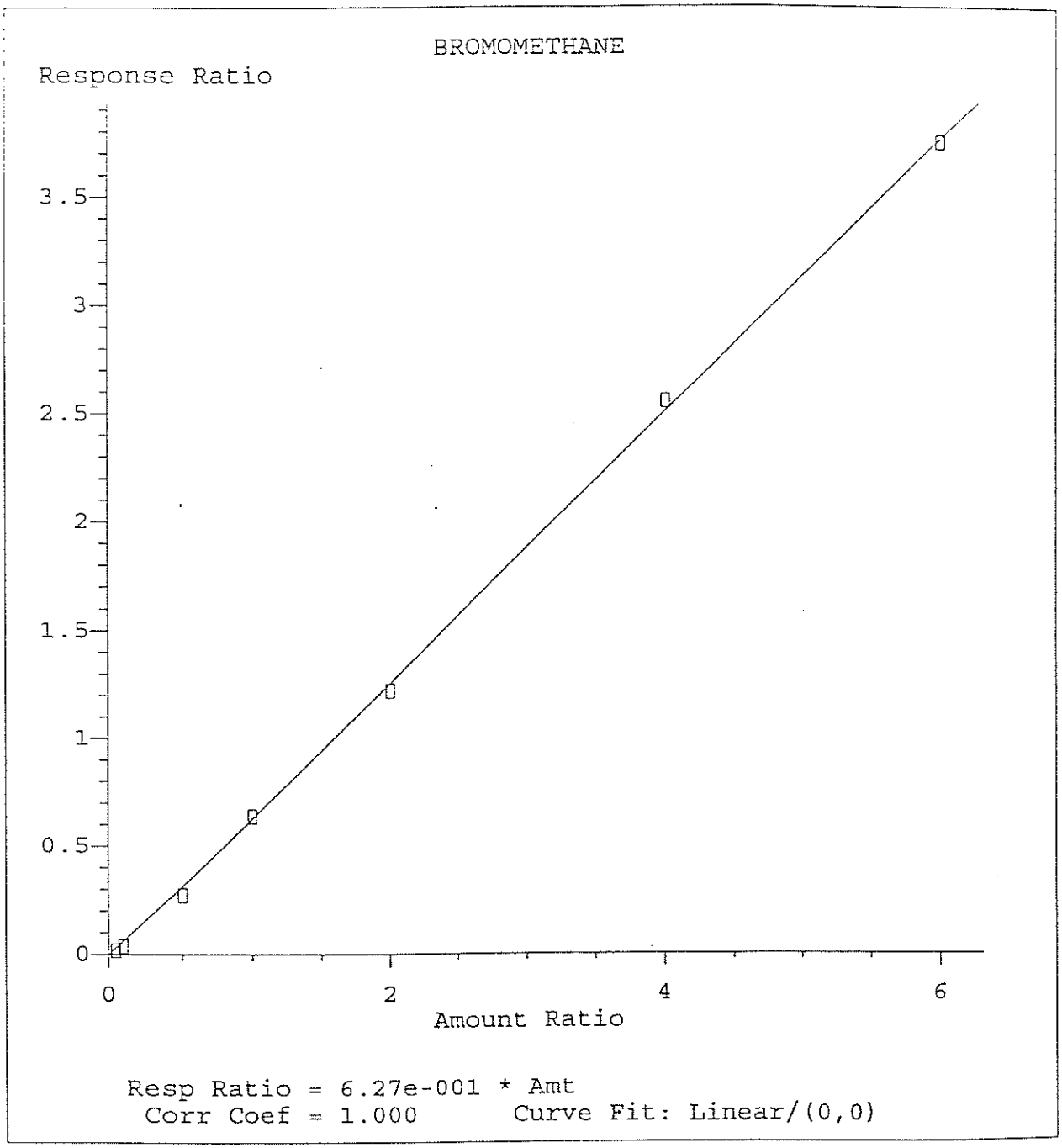
Method Name: C:\HPCHEM\5\METHODS\1-043098.M
Calibration Table Last Updated: Thu Apr 30 16:08:11 1998



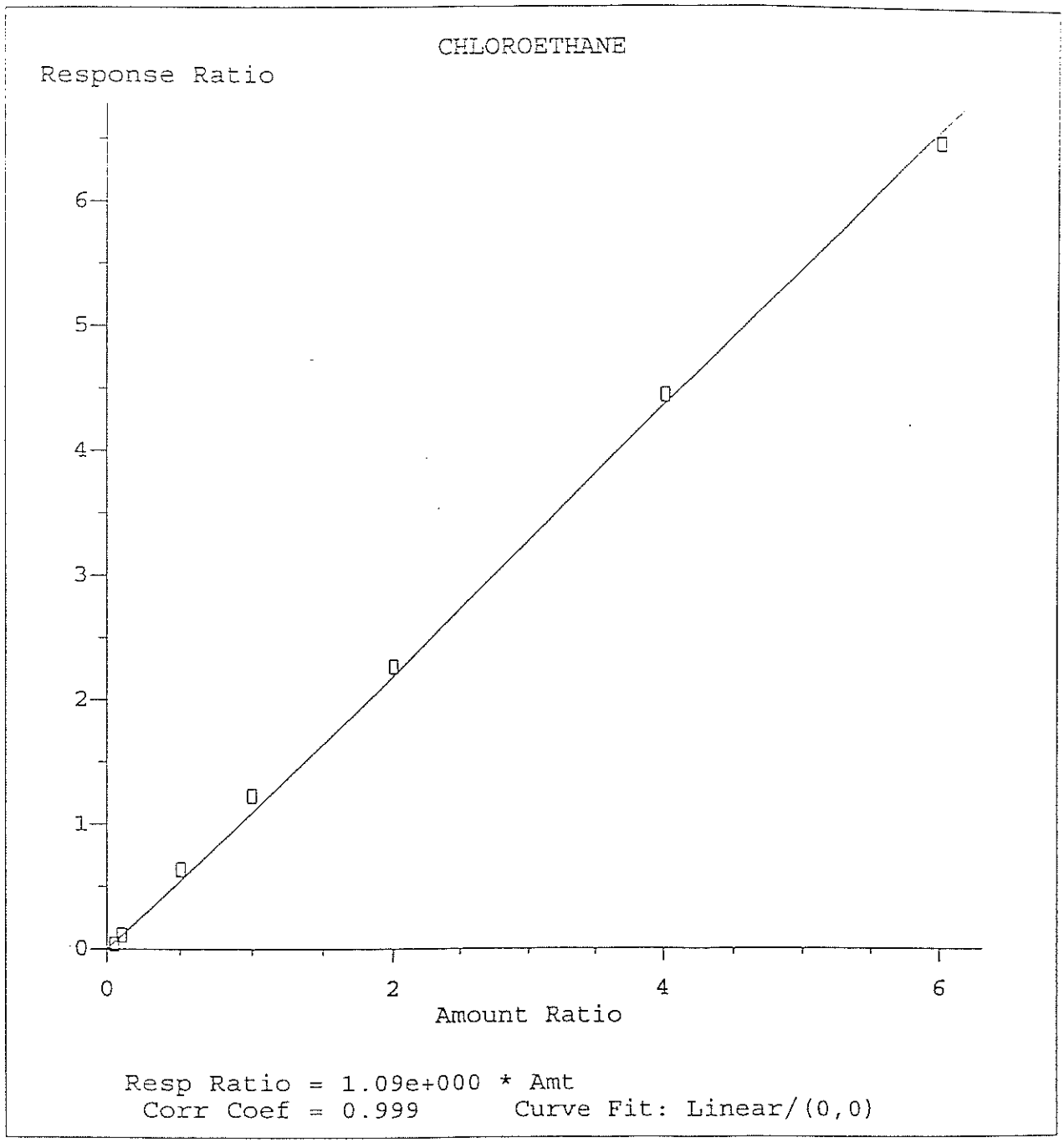
Method Name: C:\HPCHEM\5\METHODS\1-043098.M
Calibration Table Last Updated: Thu Apr 30 16:08:11 1998



Method Name: C:\HPCHEM\5\METHODS\1-043098.M
Calibration Table Last Updated: Thu Apr 30 16:08:11 1998



Method Name: C:\HPCHEM\5\METHODS\1-043098.M
Calibration Table Last Updated: Thu Apr 30 16:08:11 1998



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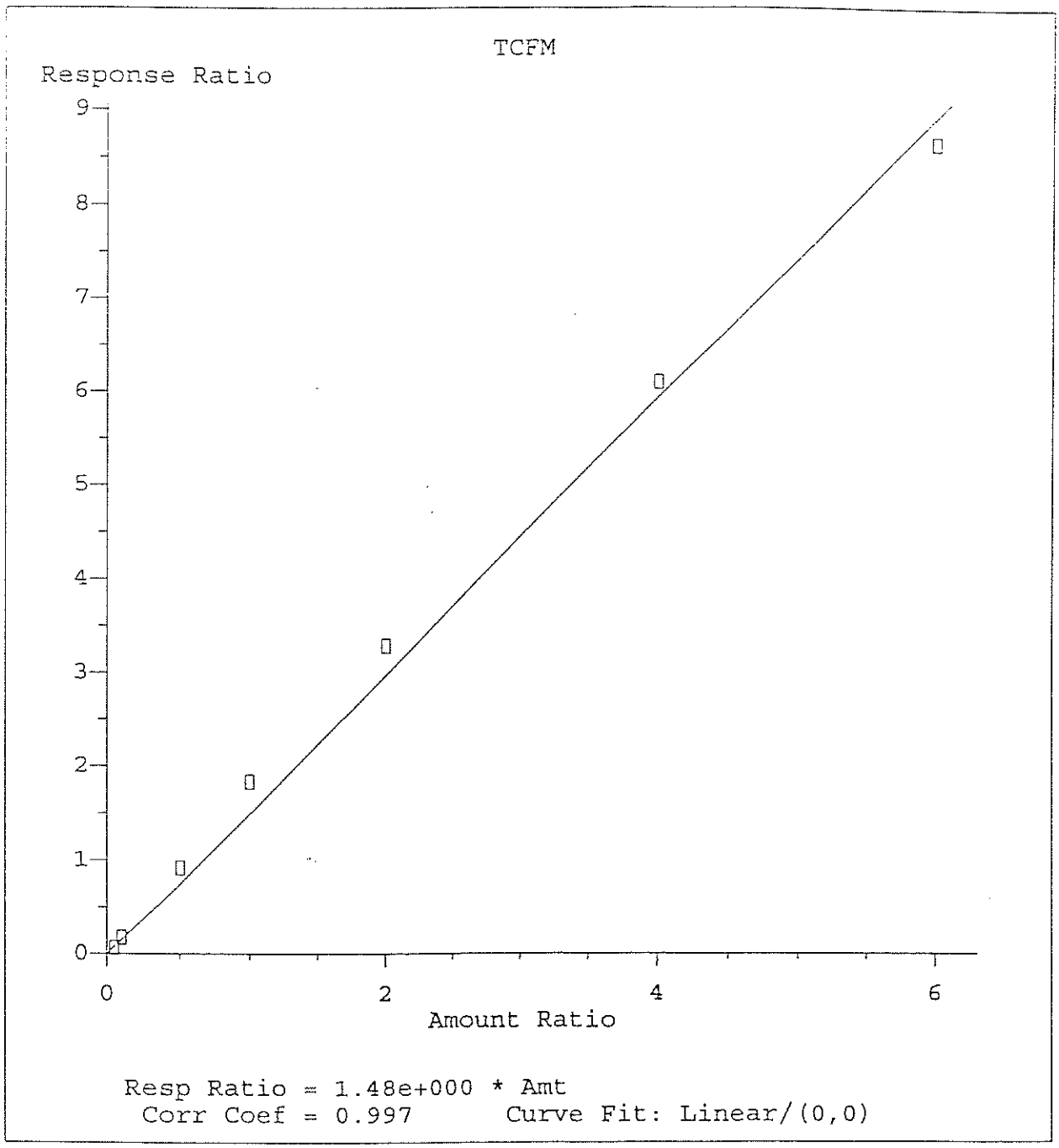
Calibration Table Last Updated: Thu Apr 30 16:08:11 1998



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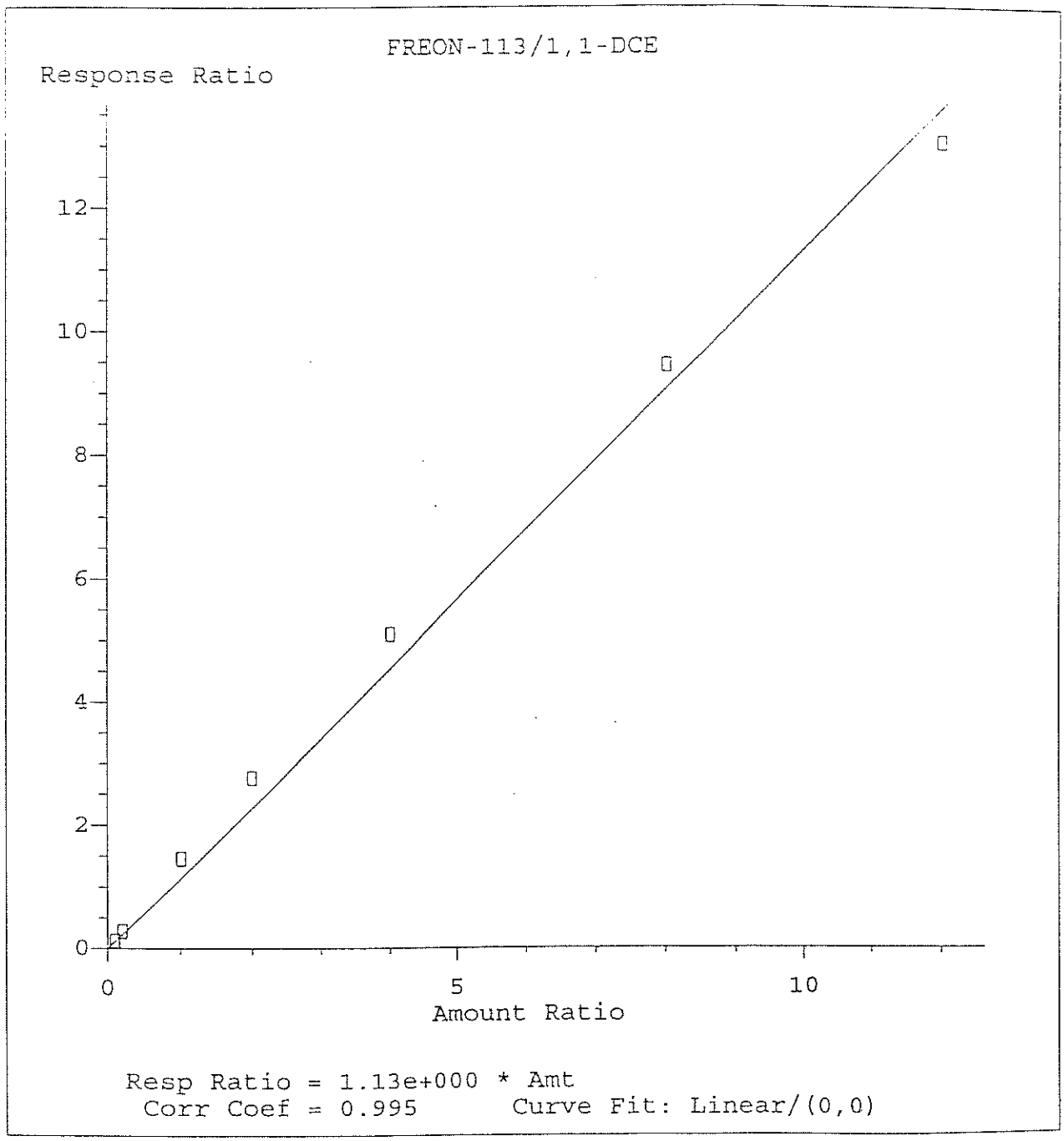
Calibration Table Last Updated: Thu Apr 30 16:08:11 1998



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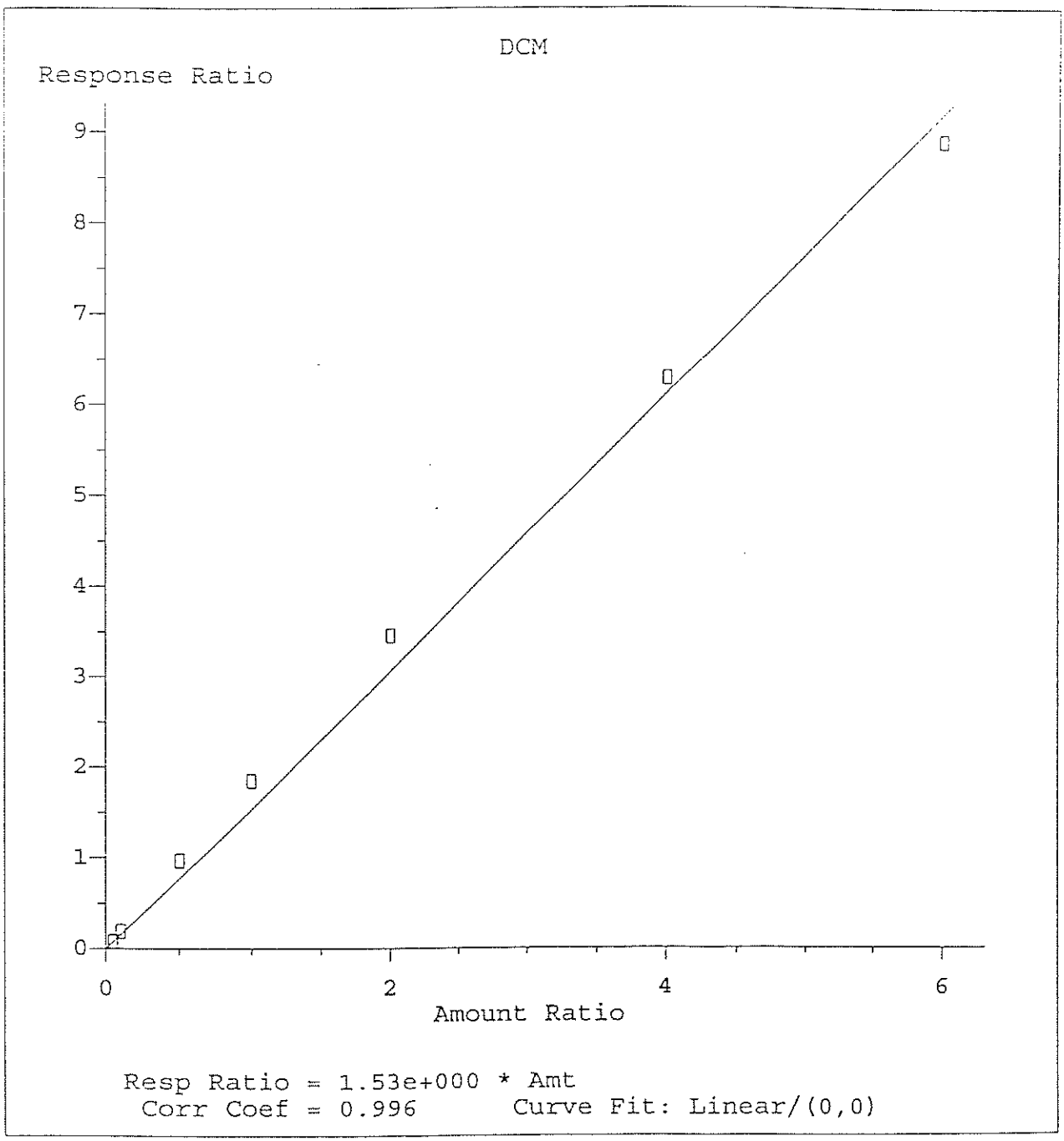
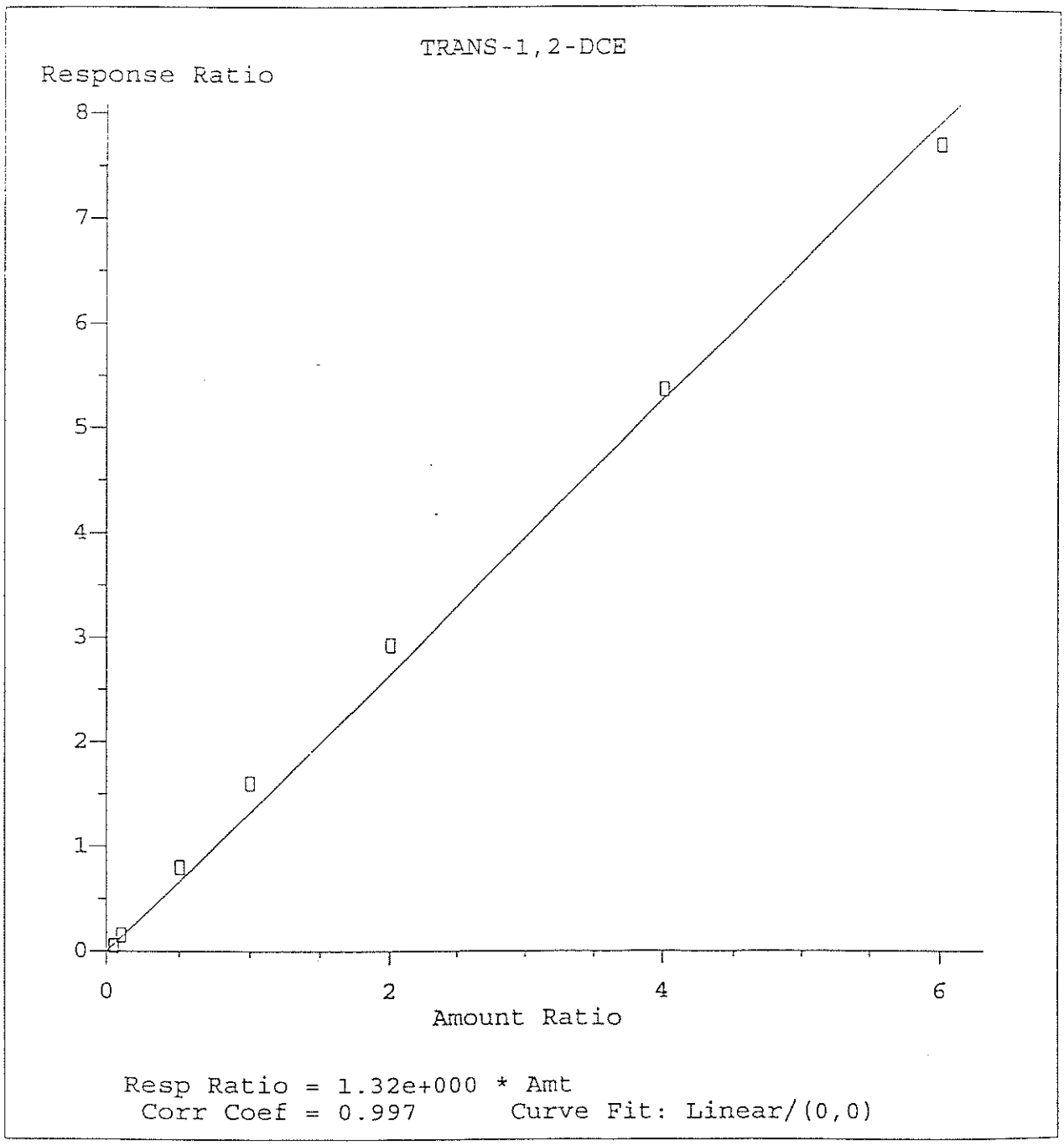
Calibration Table Last Updated: Thu Apr 30 16:08:11 1998



Method Name: C:\HPCHEM\5\METHODS\1-043098.M
Calibration Table Last Updated: Thu Apr 30 16:08:11 1998



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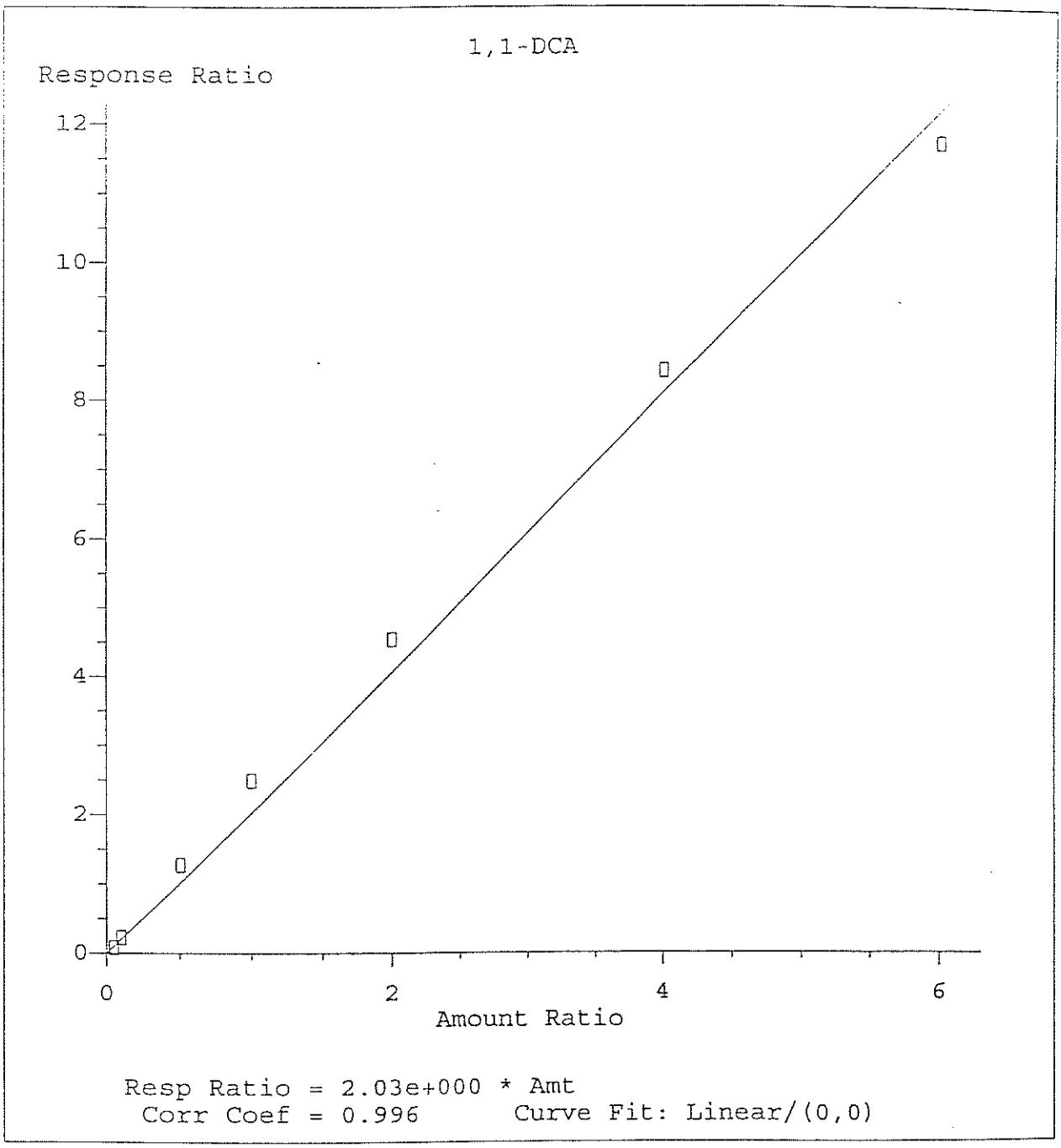
Calibration Table Last Updated: Thu Apr 30 16:08:11 1998



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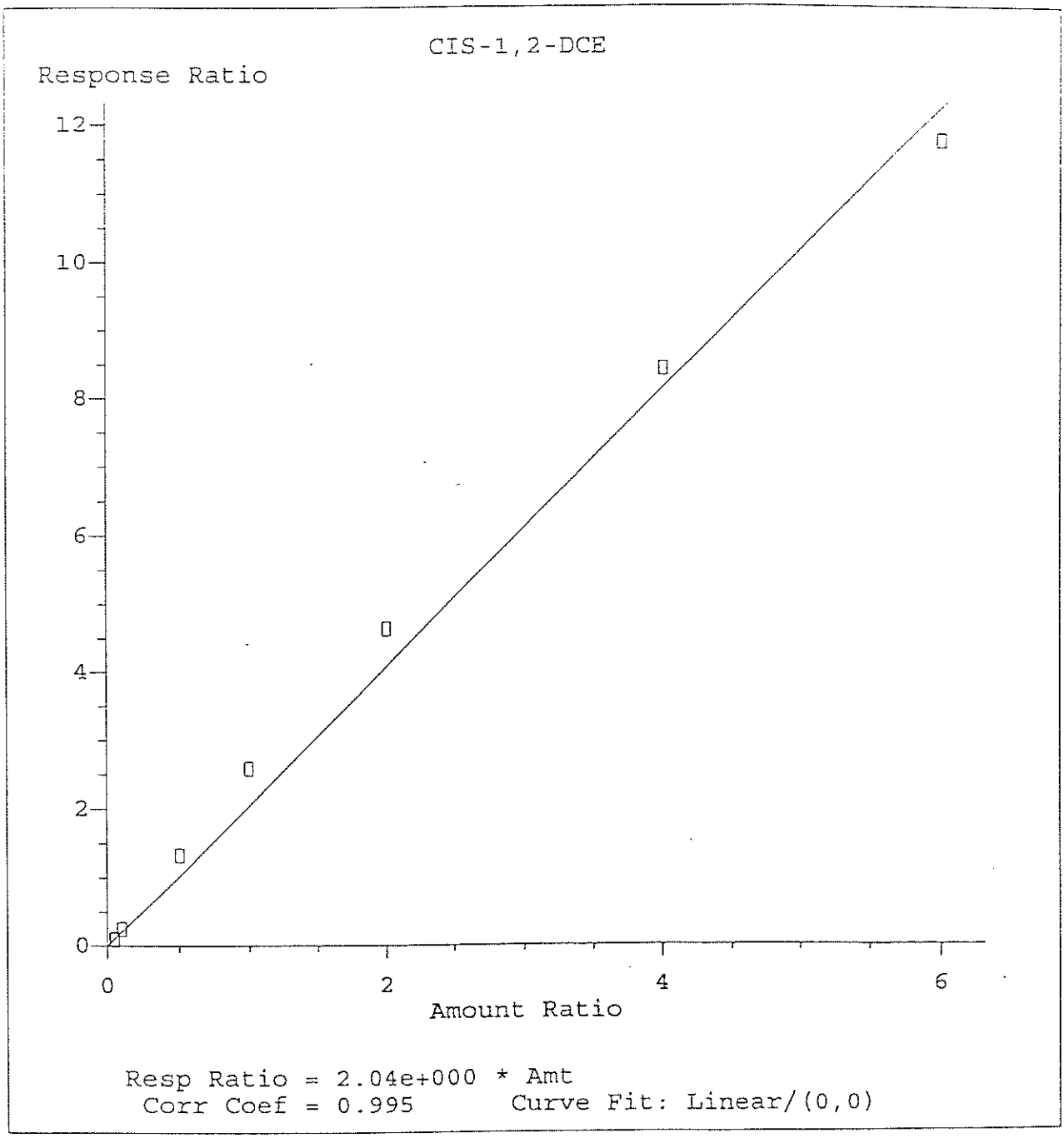
Calibration Table Last Updated: Thu Apr 30 16:08:11 1998



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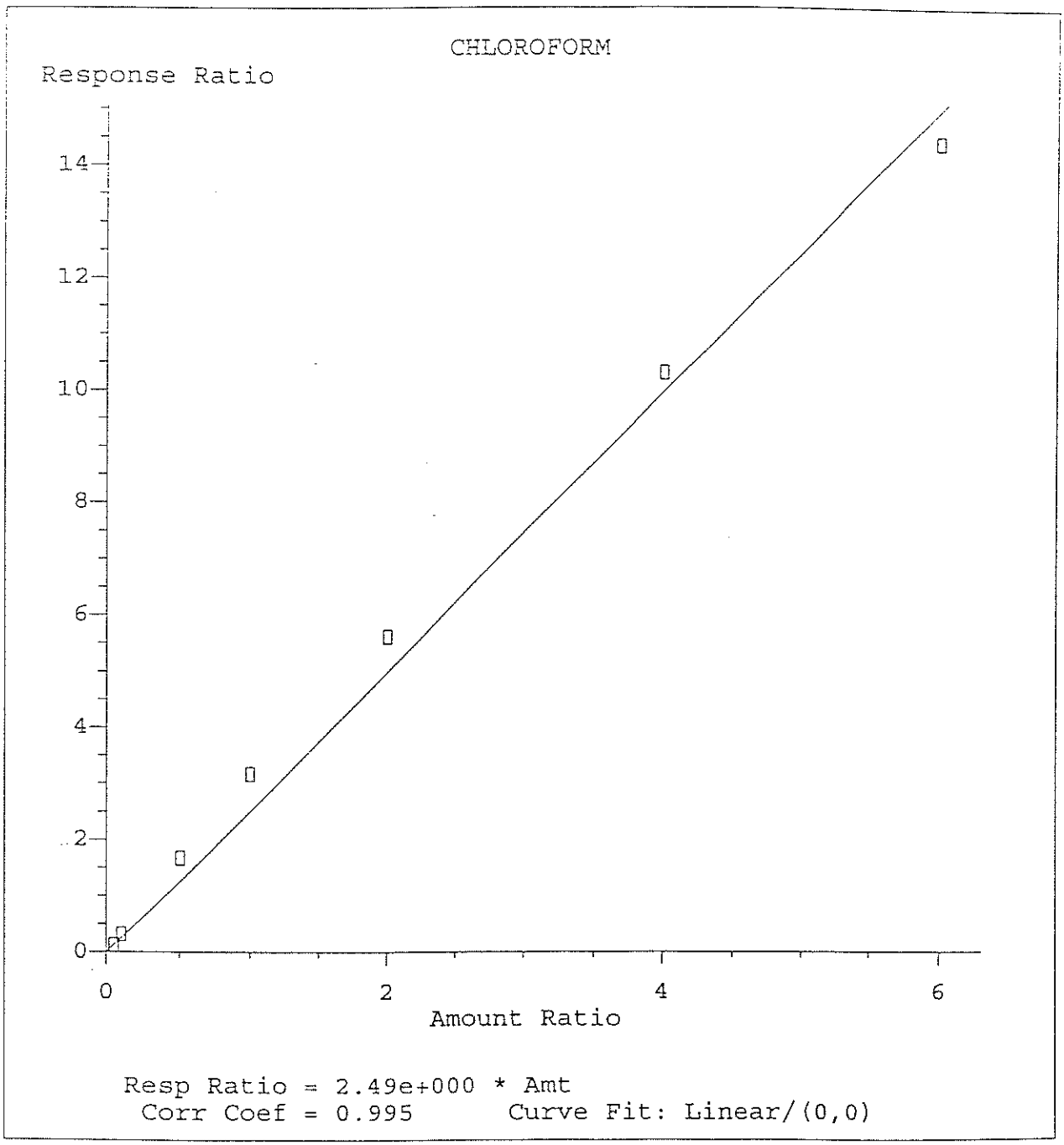
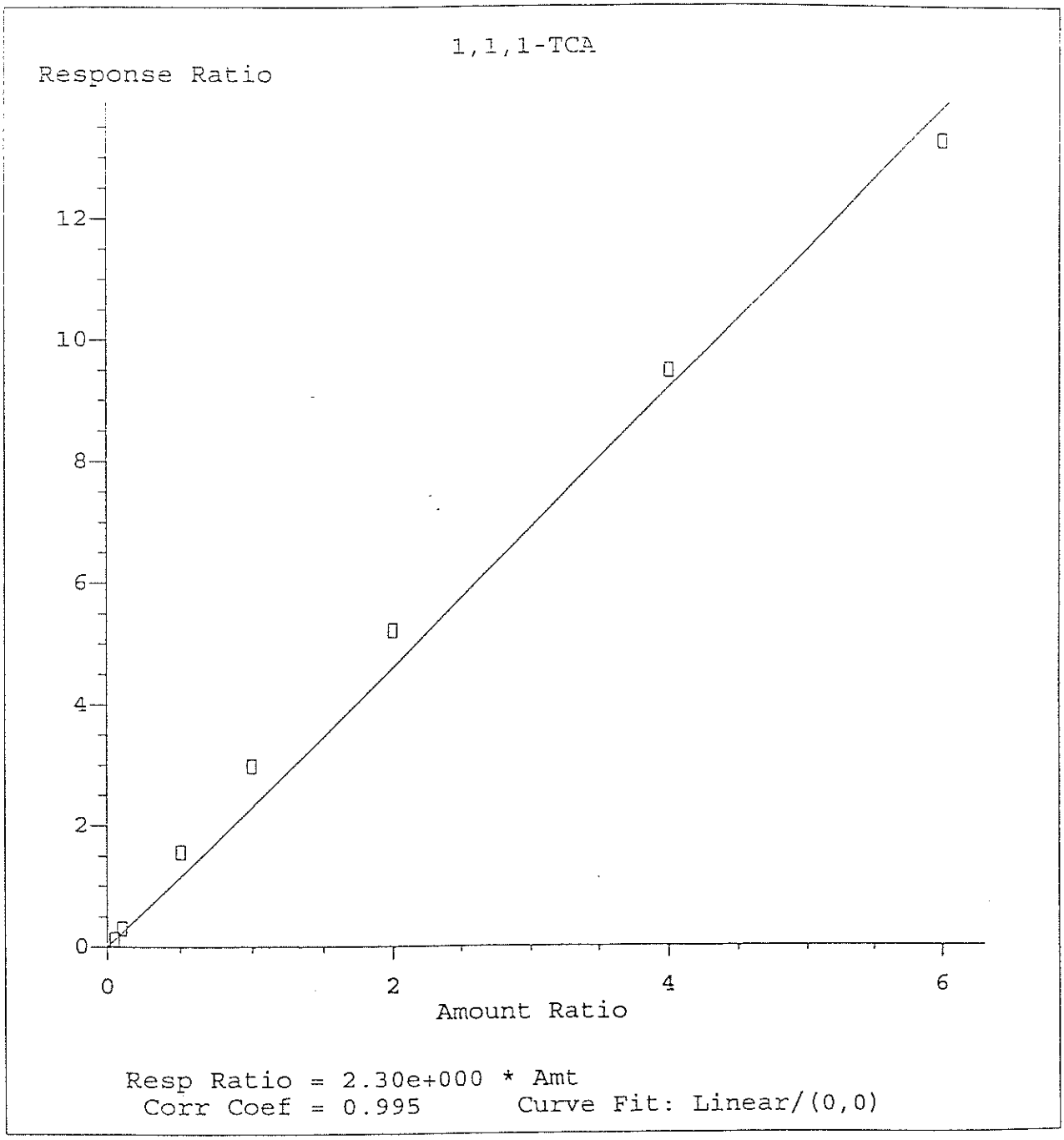
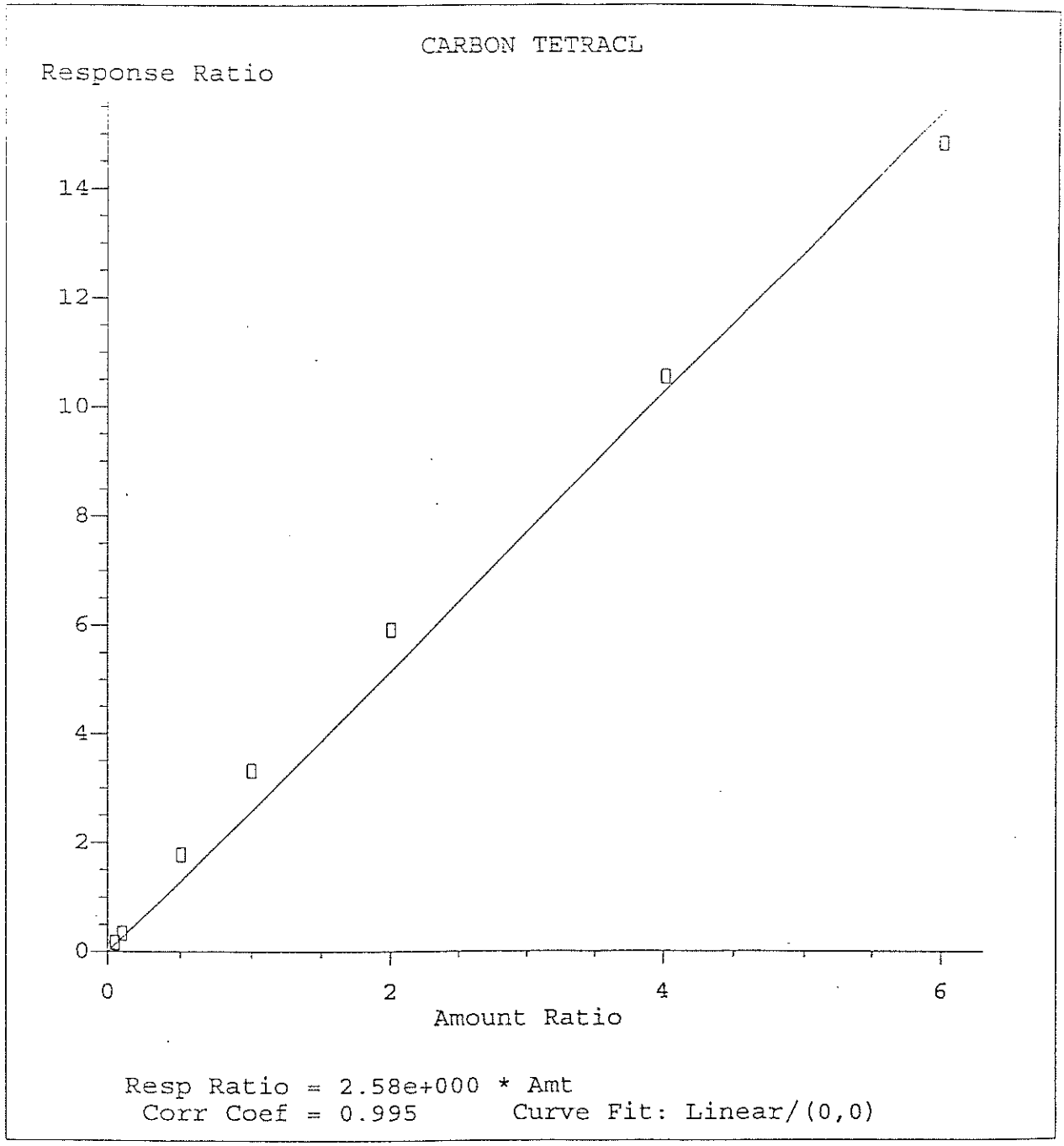
Calibration Table Last Updated: Thu Apr 30 16:08:11 1998



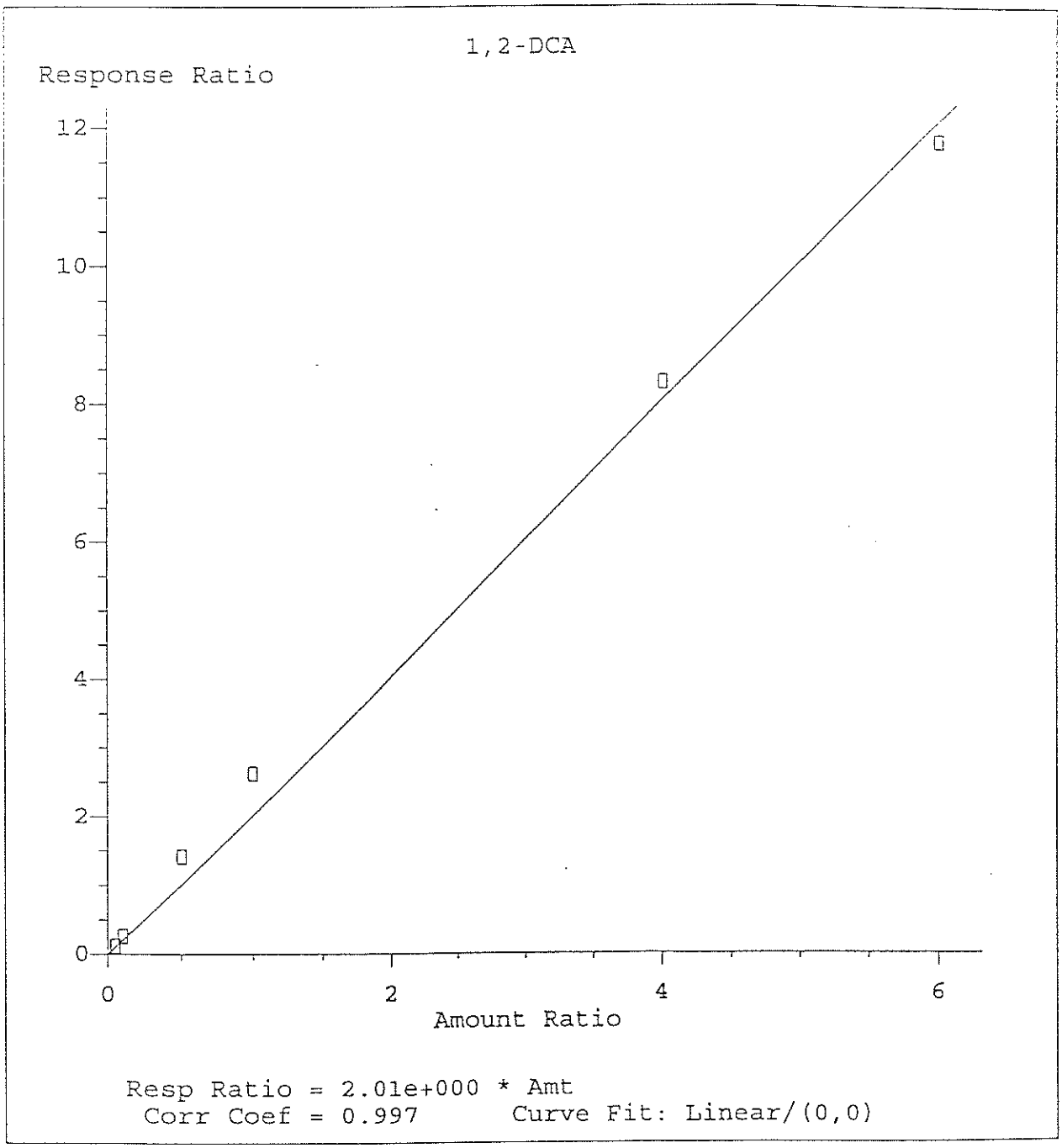
Method Name: C:\HPCHEM\5\METHODS\1-043098.M
Calibration Table Last Updated: Thu Apr 30 16:08:11 1998



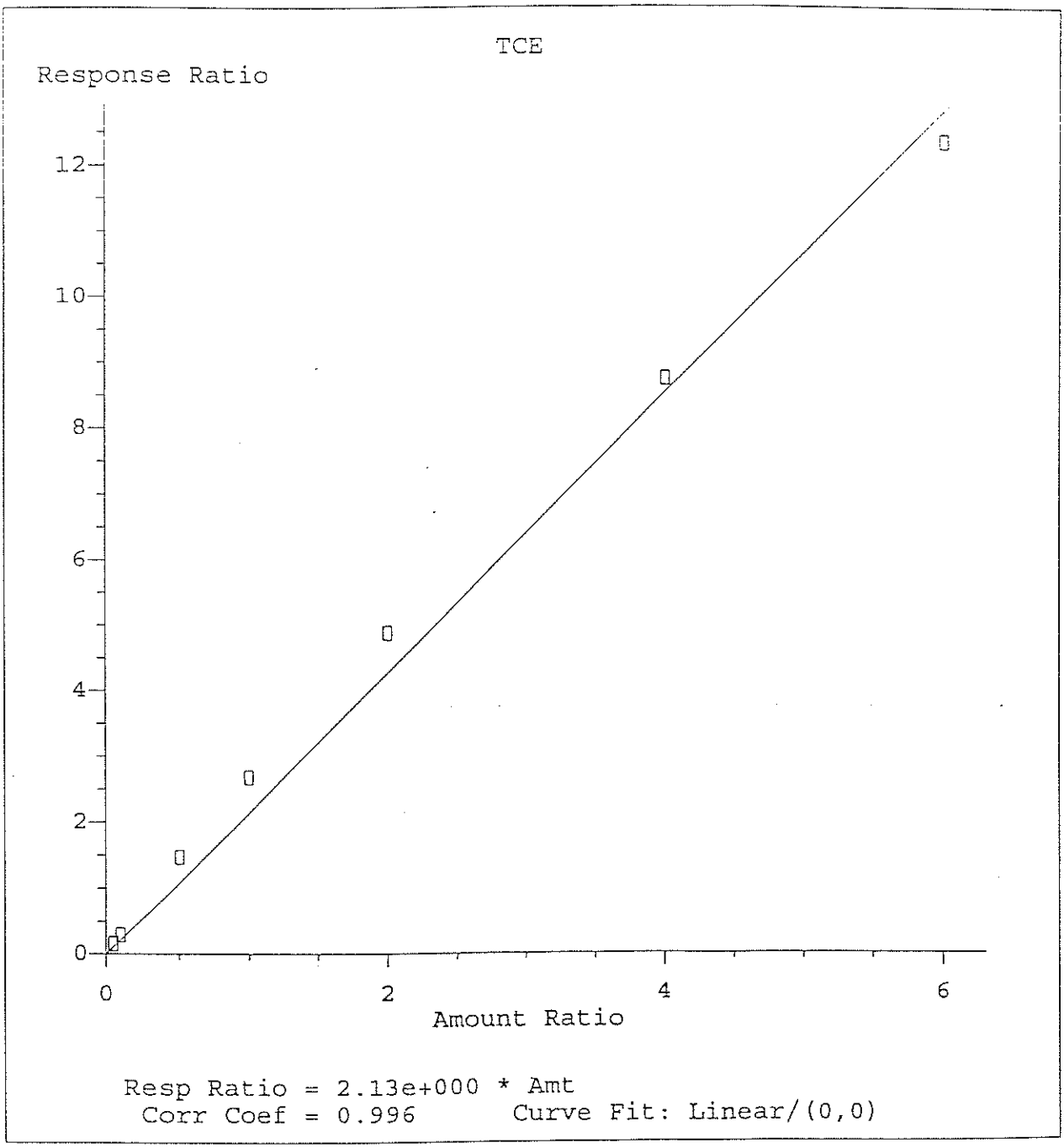
Method Name: C:\HPCHEM\5\METHODS\1-043098.M
Calibration Table Last Updated: Thu Apr 30 16:08:11 1998



Method Name: C:\HPCHEM\5\METHODS\1-043098.M
Calibration Table Last Updated: Thu Apr 30 16:08:11 1998



Method Name: C:\HPCHEM\5\METHODS\1-043098.M
Calibration Table Last Updated: Thu Apr 30 16:08:11 1998



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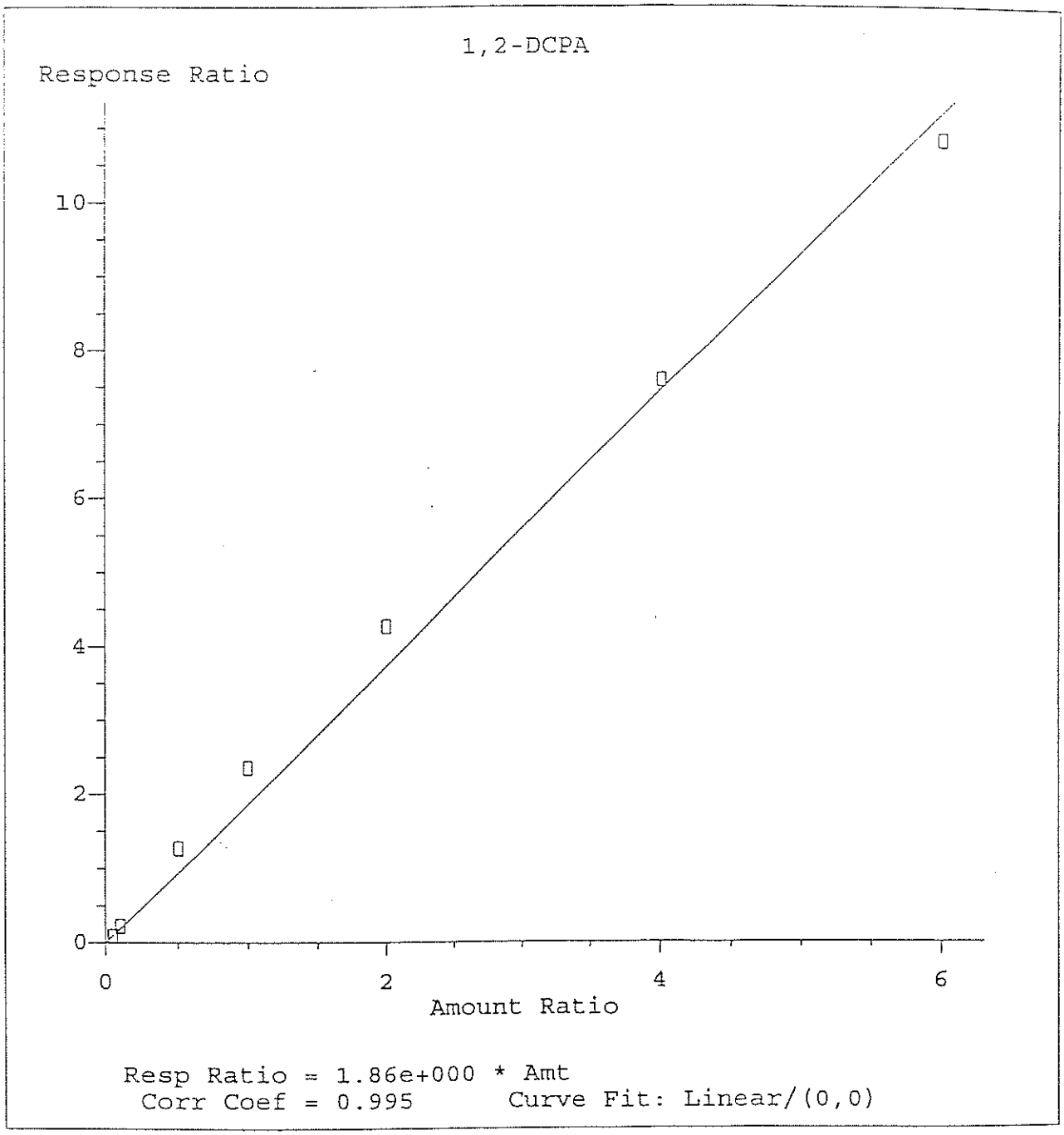
Calibration Table Last Updated: Thu Apr 30 16:08:11 1998



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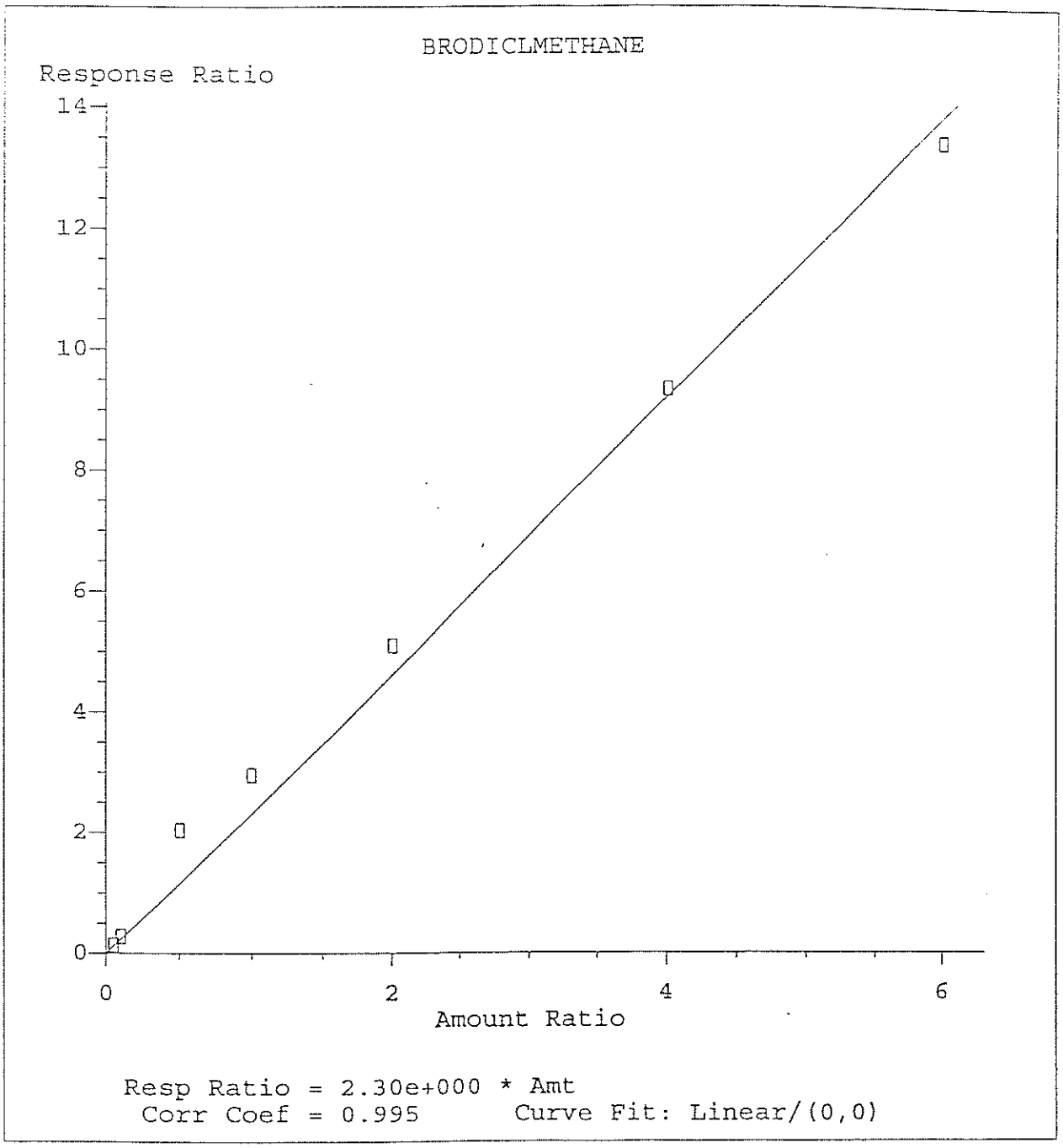
Calibration Table Last Updated: Thu Apr 30 16:08:11 1998



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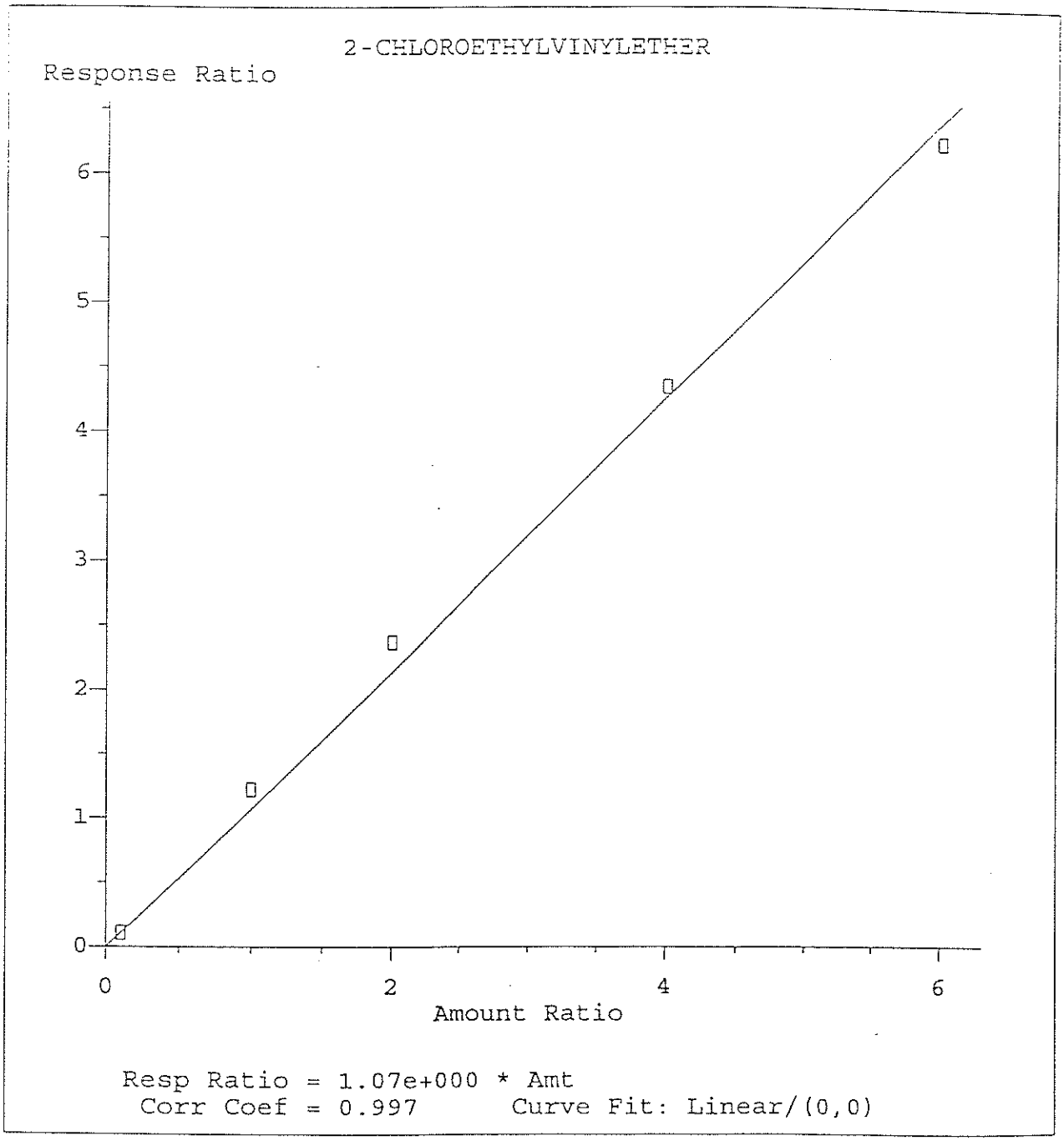
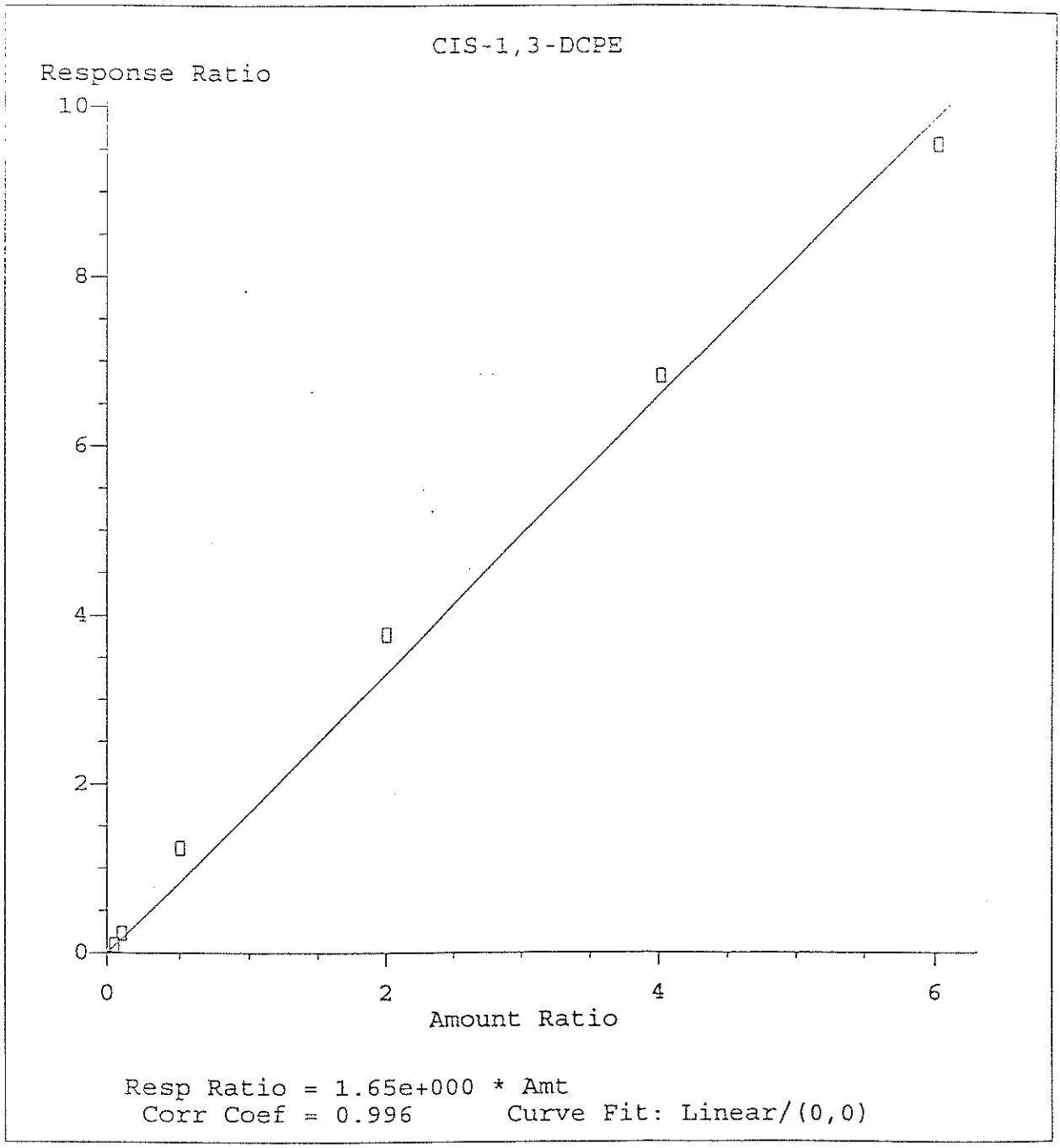
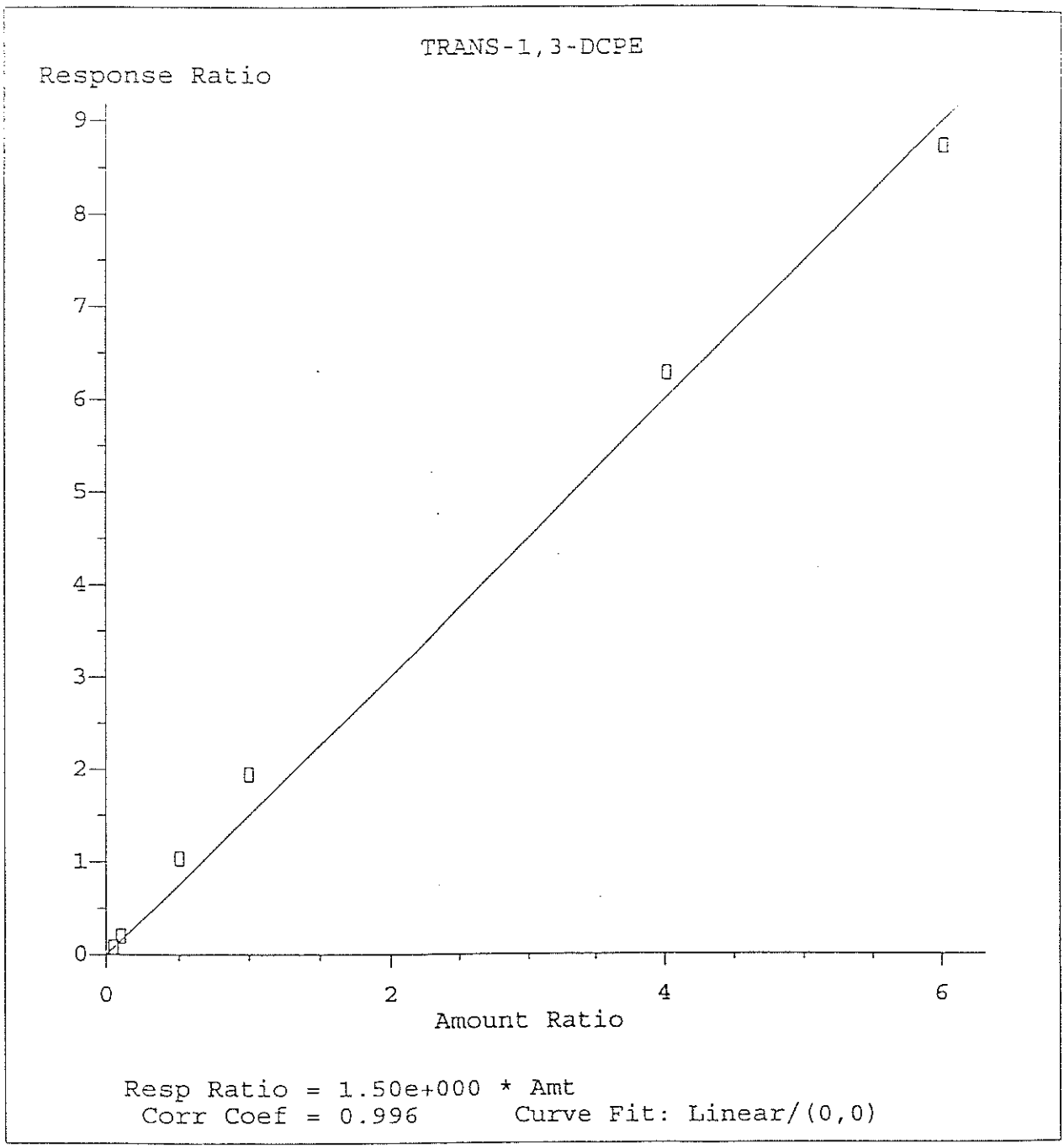
Calibration Table Last Updated: Thu Apr 30 16:08:11 1998



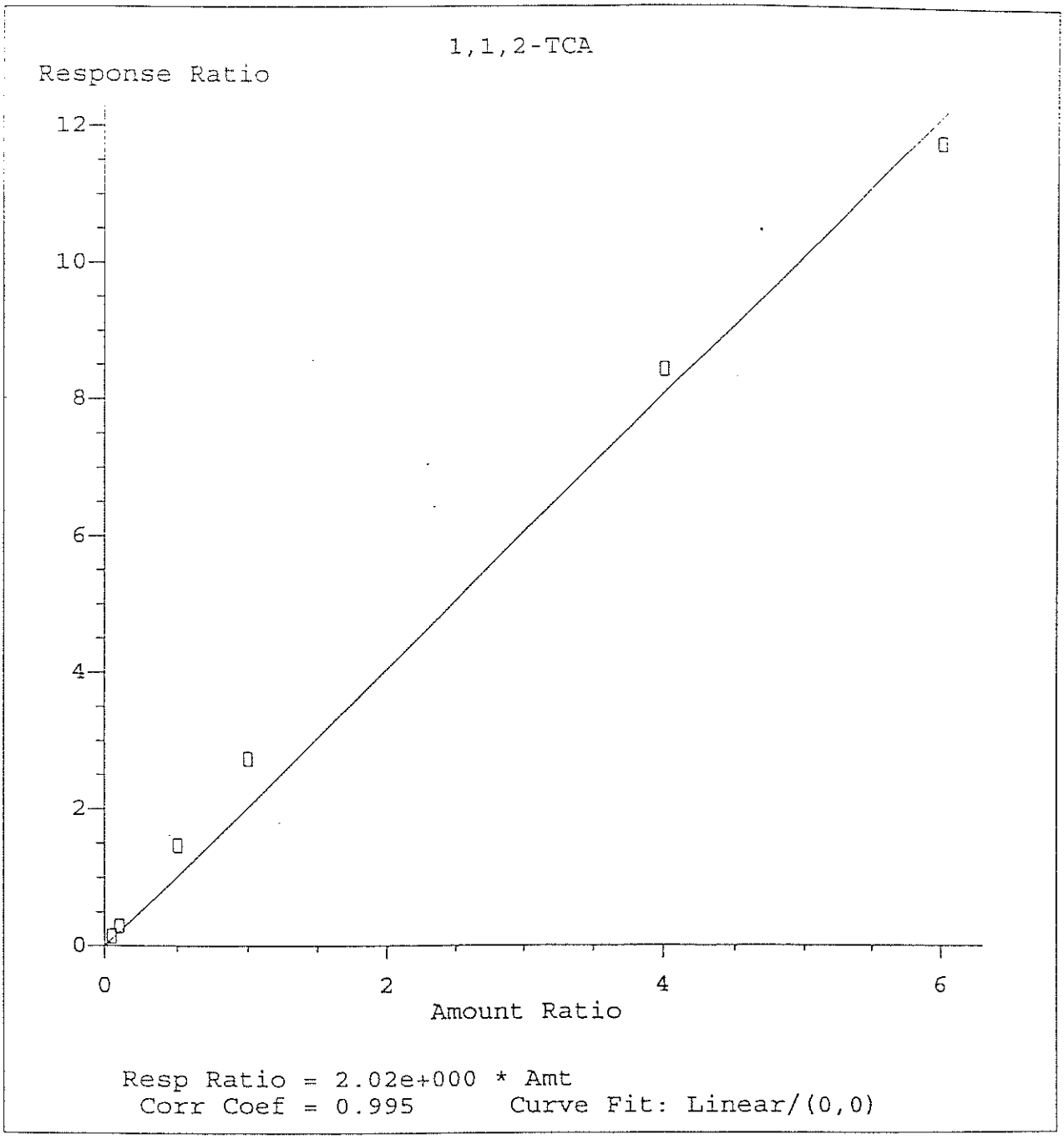
Method Name: C:\HPCHEM\5\METHODS\1-043098.M
Calibration Table Last Updated: Thu Apr 30 16:08:11 1998



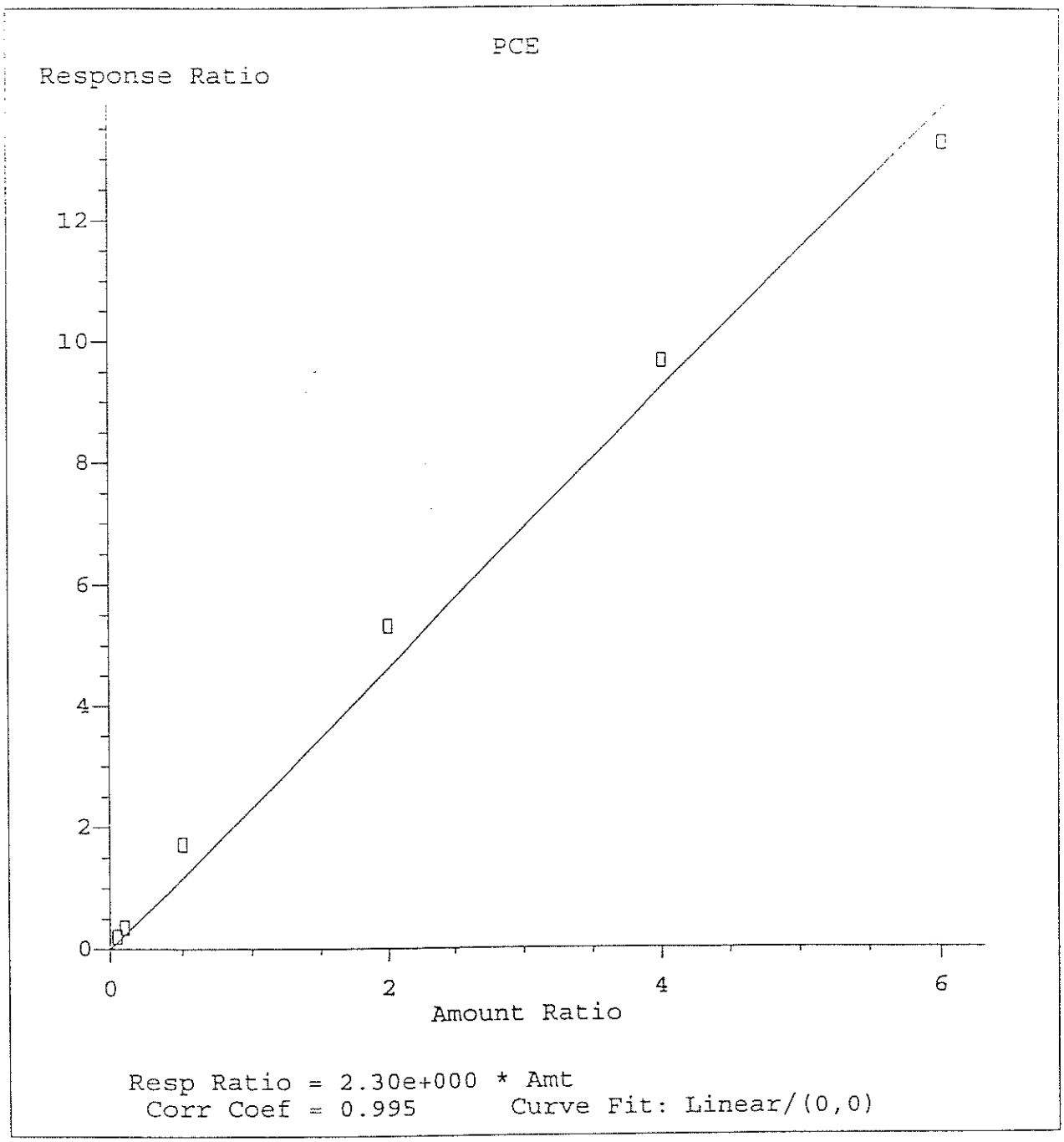
Method Name: C:\HPCHEM\5\METHODS\1-043098.M
Calibration Table Last Updated: Thu Apr 30 16:08:11 1998



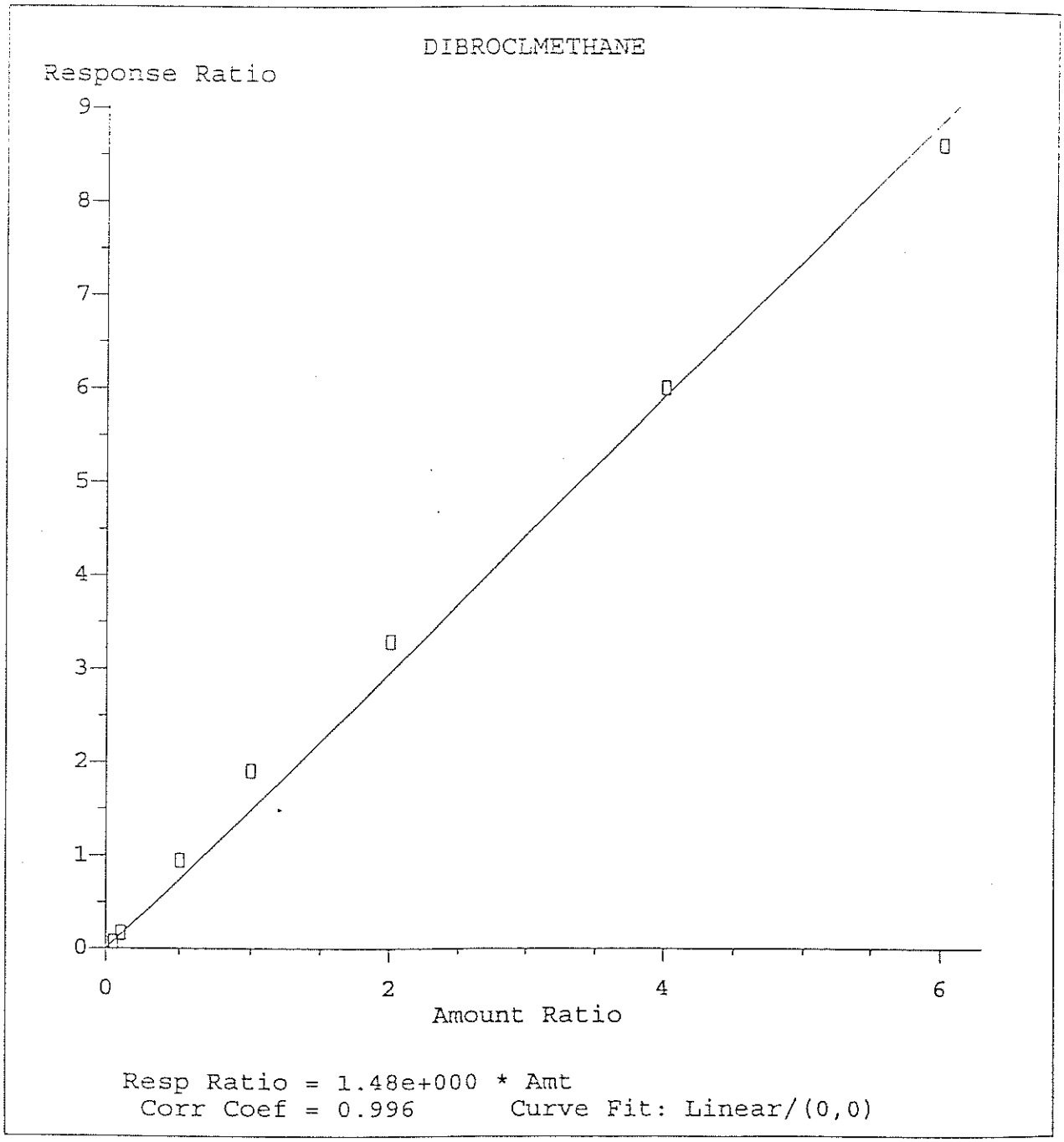
Method Name: C:\HPCHEM\5\METHODS\1-043098.M
Calibration Table Last Updated: Thu Apr 30 16:08:11 1998



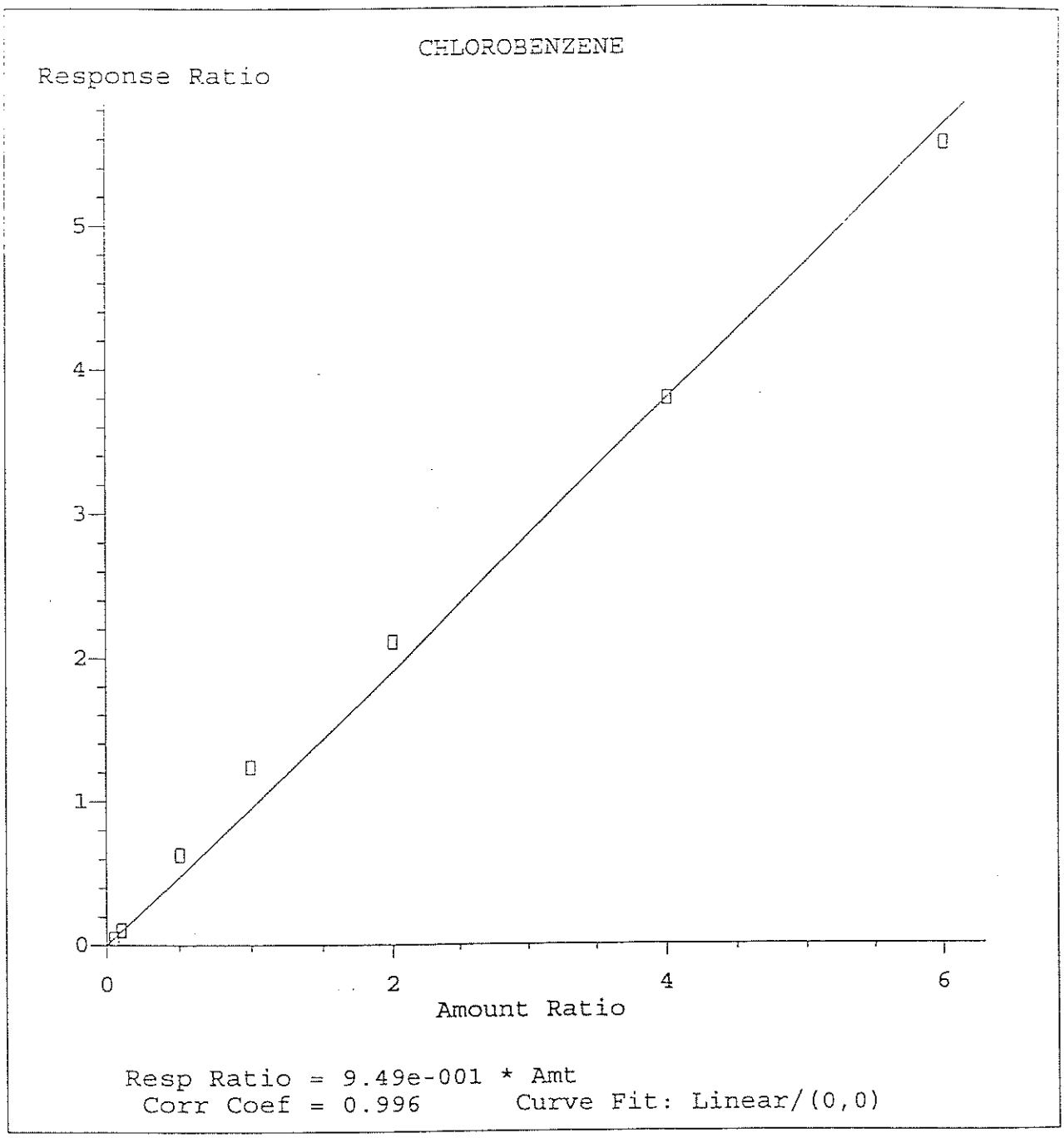
Method Name: C:\HPCHEM\5\METHODS\1-043098.M
Calibration Table Last Updated: Thu Apr 30 16:08:11 1998



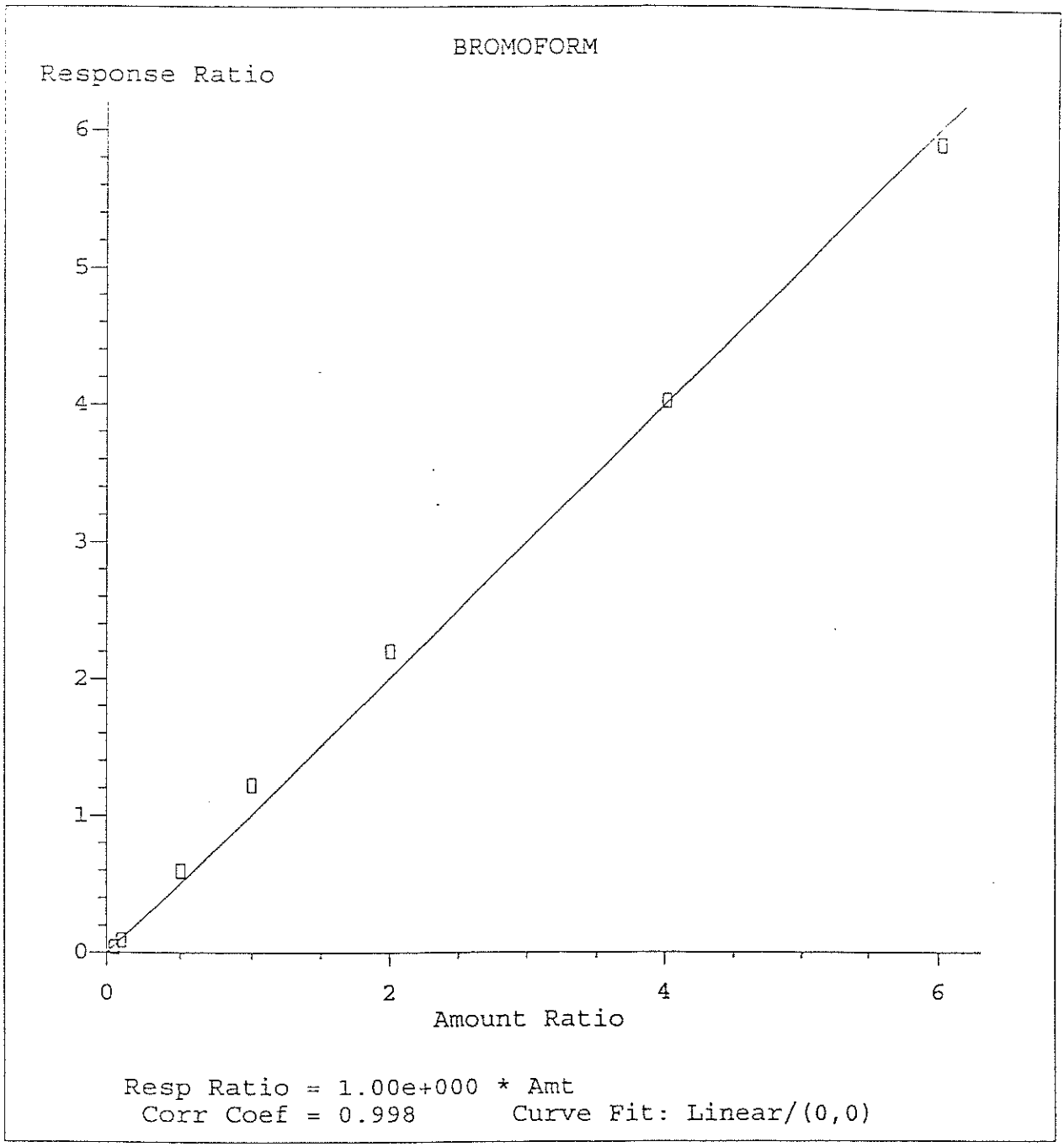
Method Name: C:\HPCHEM\5\METHODS\1-043098.M
Calibration Table Last Updated: Thu Apr 30 16:08:11 1998



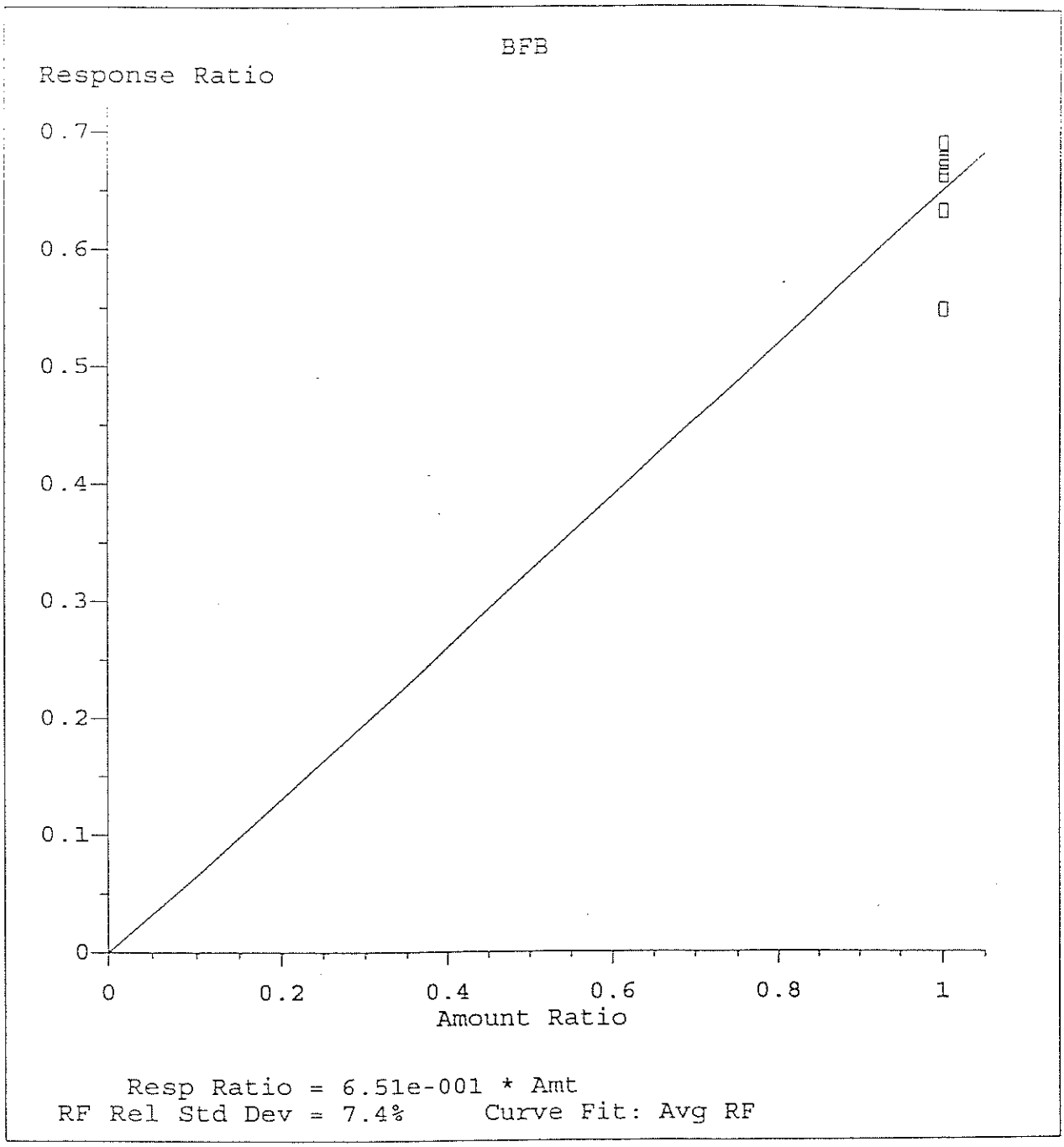
Method Name: C:\HPCHEM\5\METHODS\1-043098.M
Calibration Table Last Updated: Thu Apr 30 16:08:11 1998



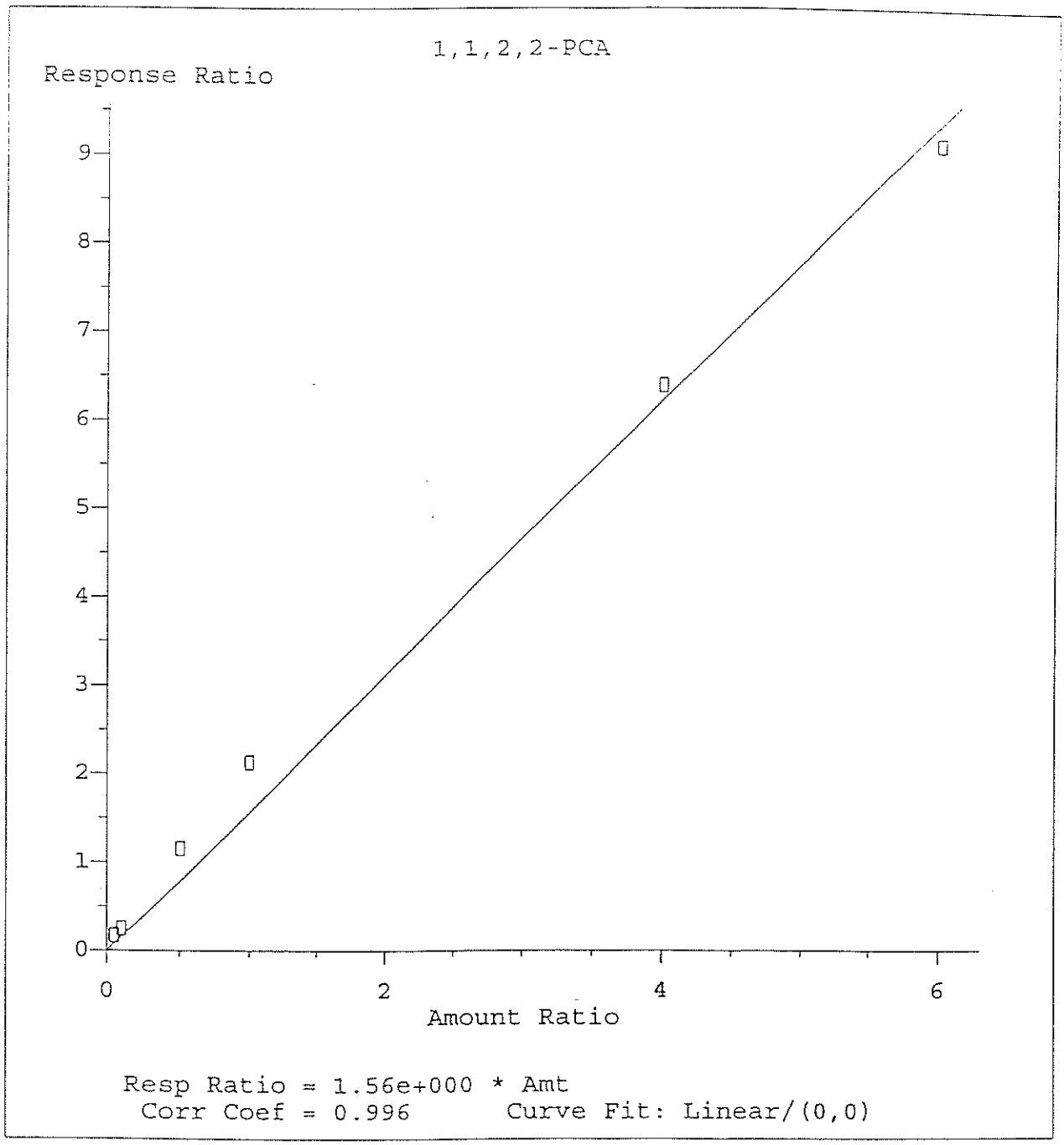
Method Name: C:\HPCHEM\5\METHODS\1-043098.M
Calibration Table Last Updated: Thu Apr 30 16:08:11 1998



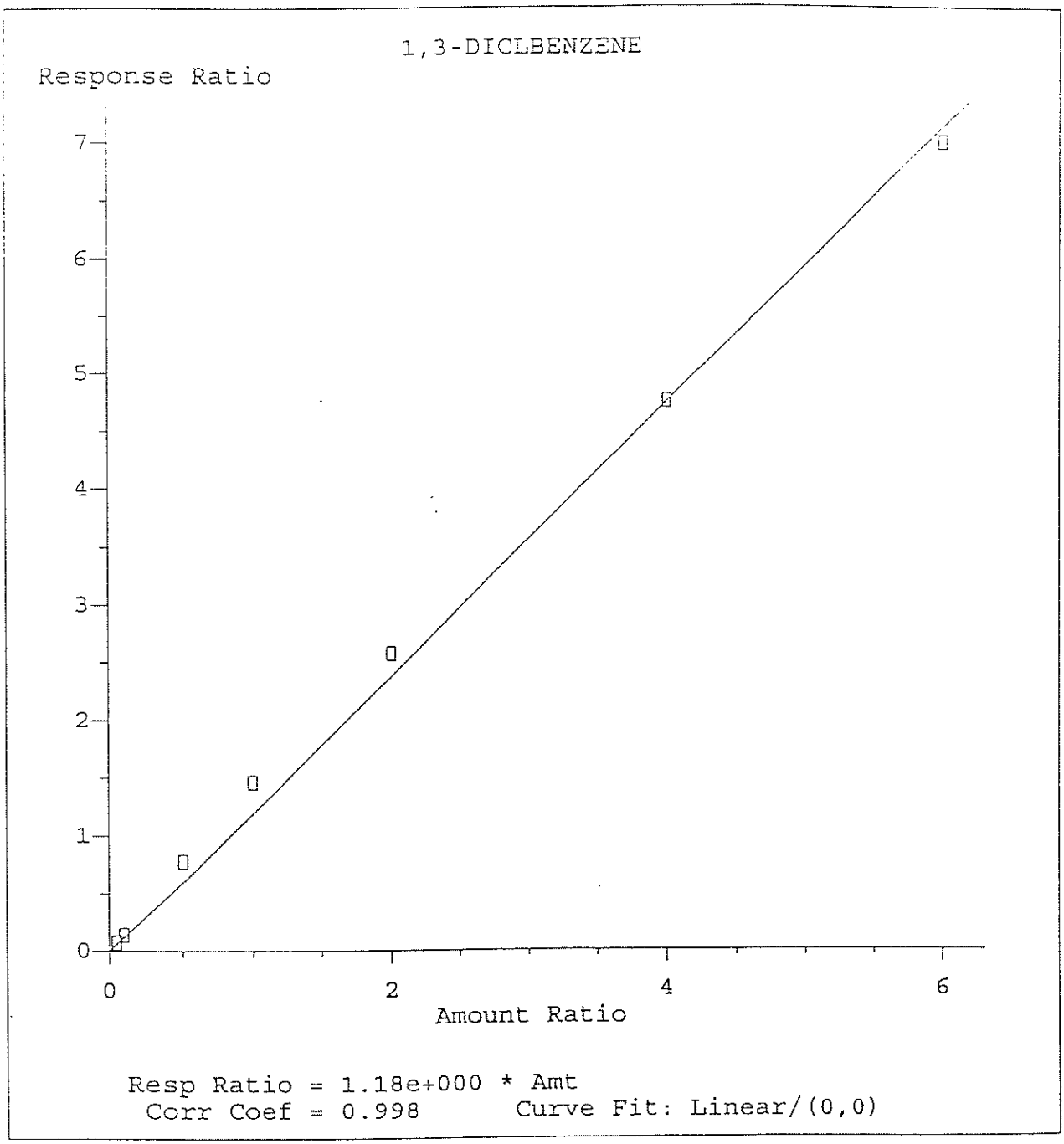
Method Name: C:\HPCHEM\5\METHODS\1-043098.M
Calibration Table Last Updated: Thu Apr 30 16:08:11 1998



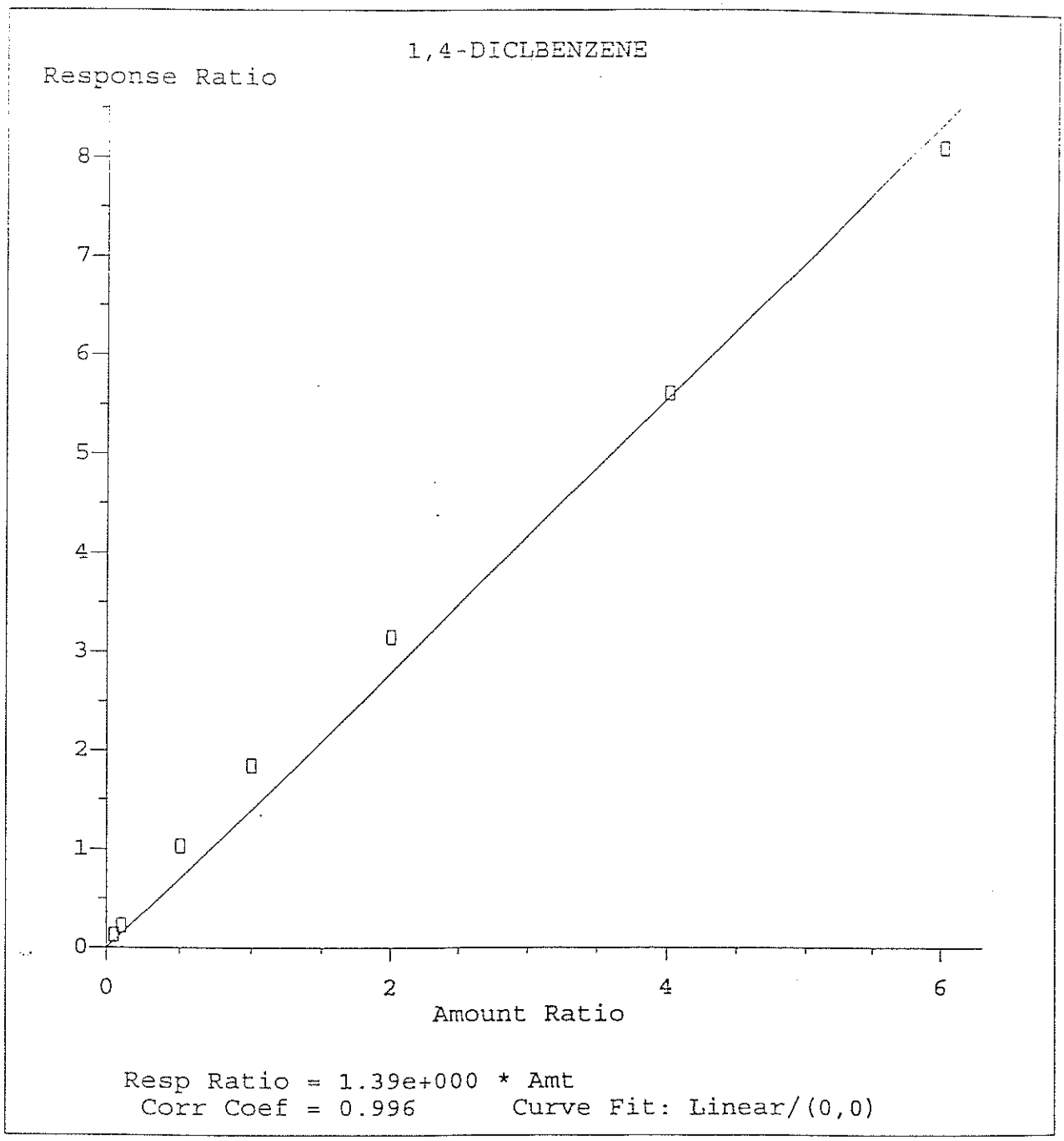
Method Name: C:\HPCHEM\5\METHODS\1-043098.M
Calibration Table Last Updated: Thu Apr 30 16:08:11 1998



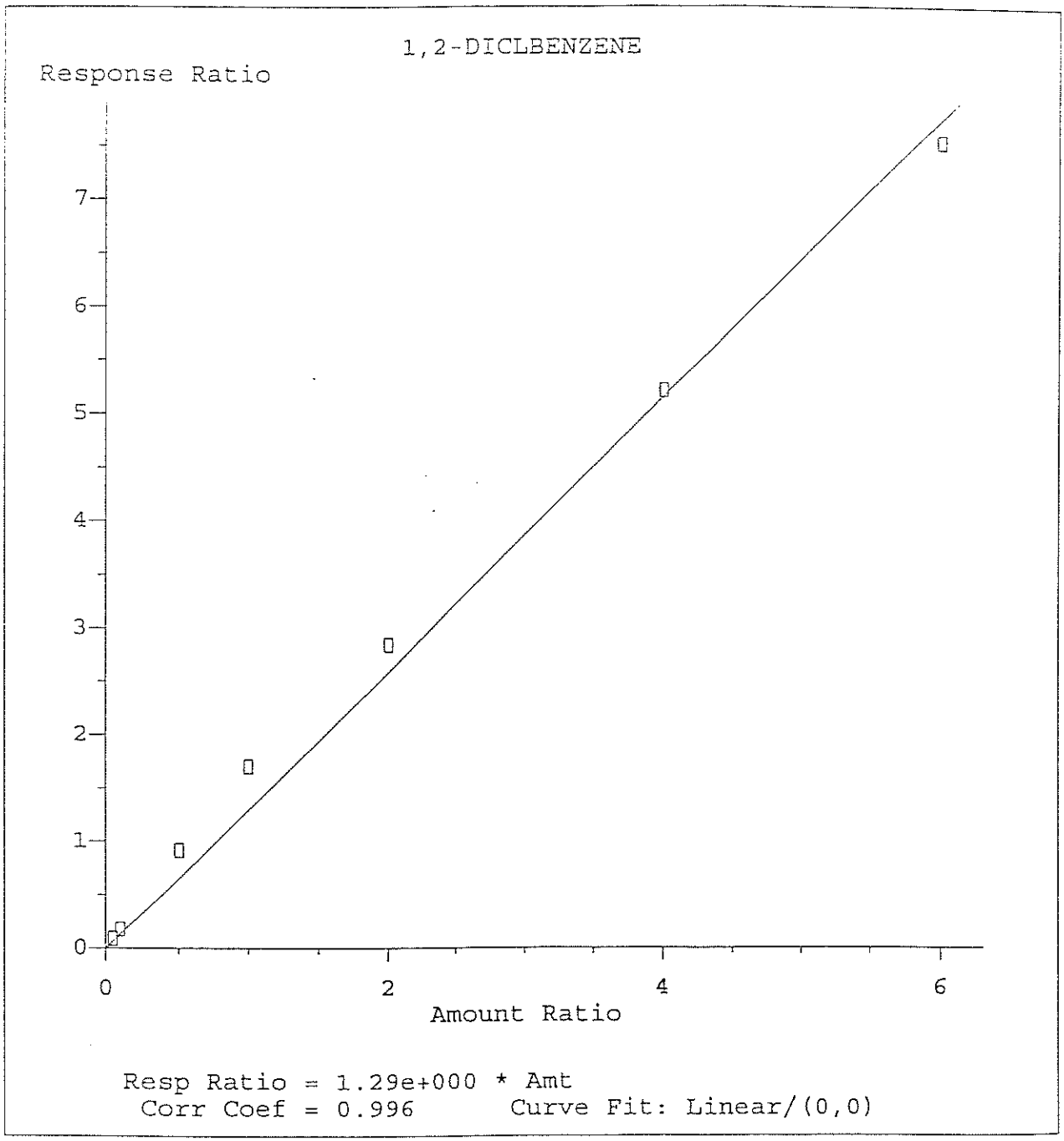
Method Name: C:\HPCHEM\5\METHODS\1-043098.M
Calibration Table Last Updated: Thu Apr 30 16:08:11 1998



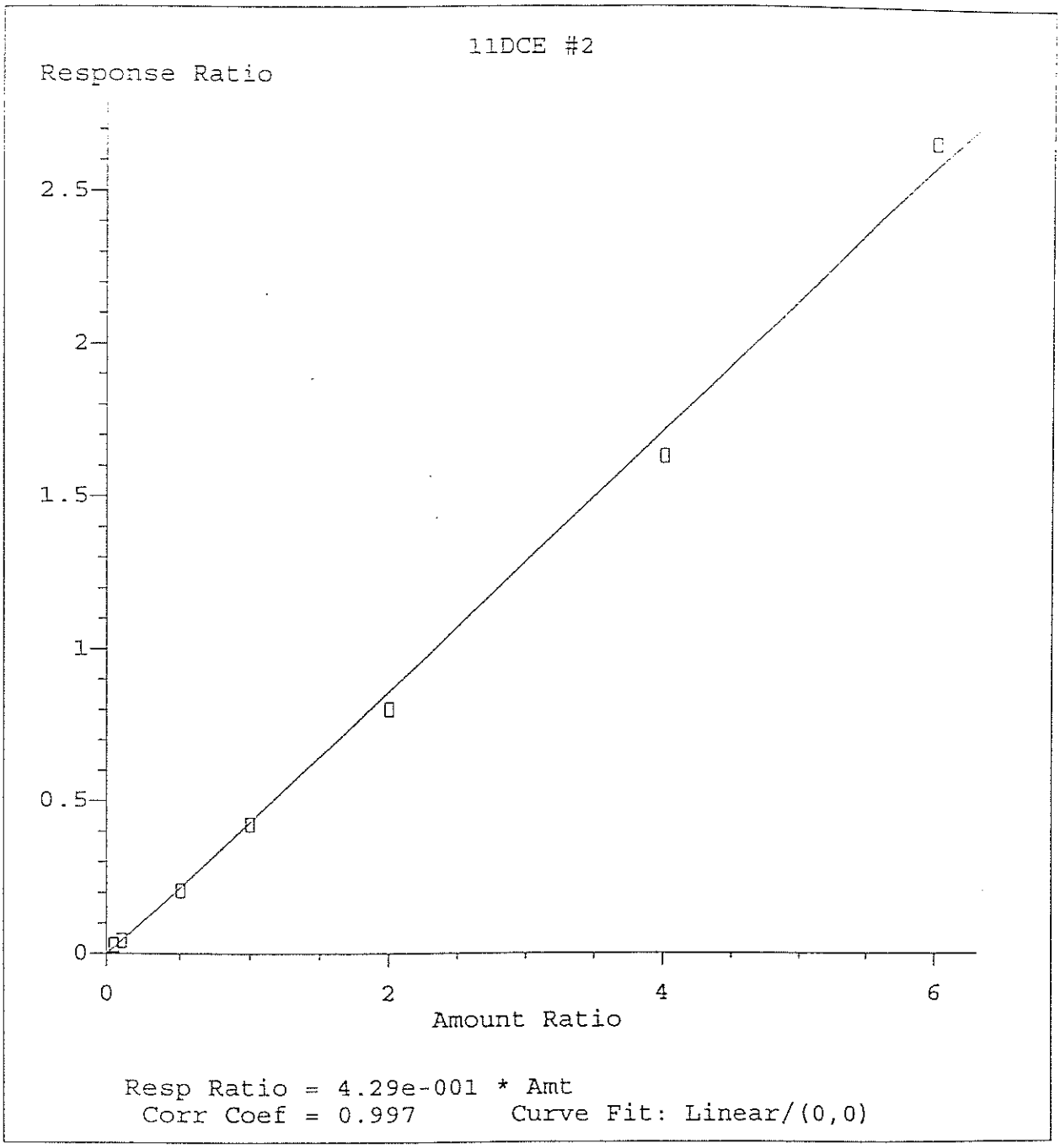
Method Name: C:\HPCHEM\5\METHODS\1-043098.M
Calibration Table Last Updated: Thu Apr 30 16:08:11 1998



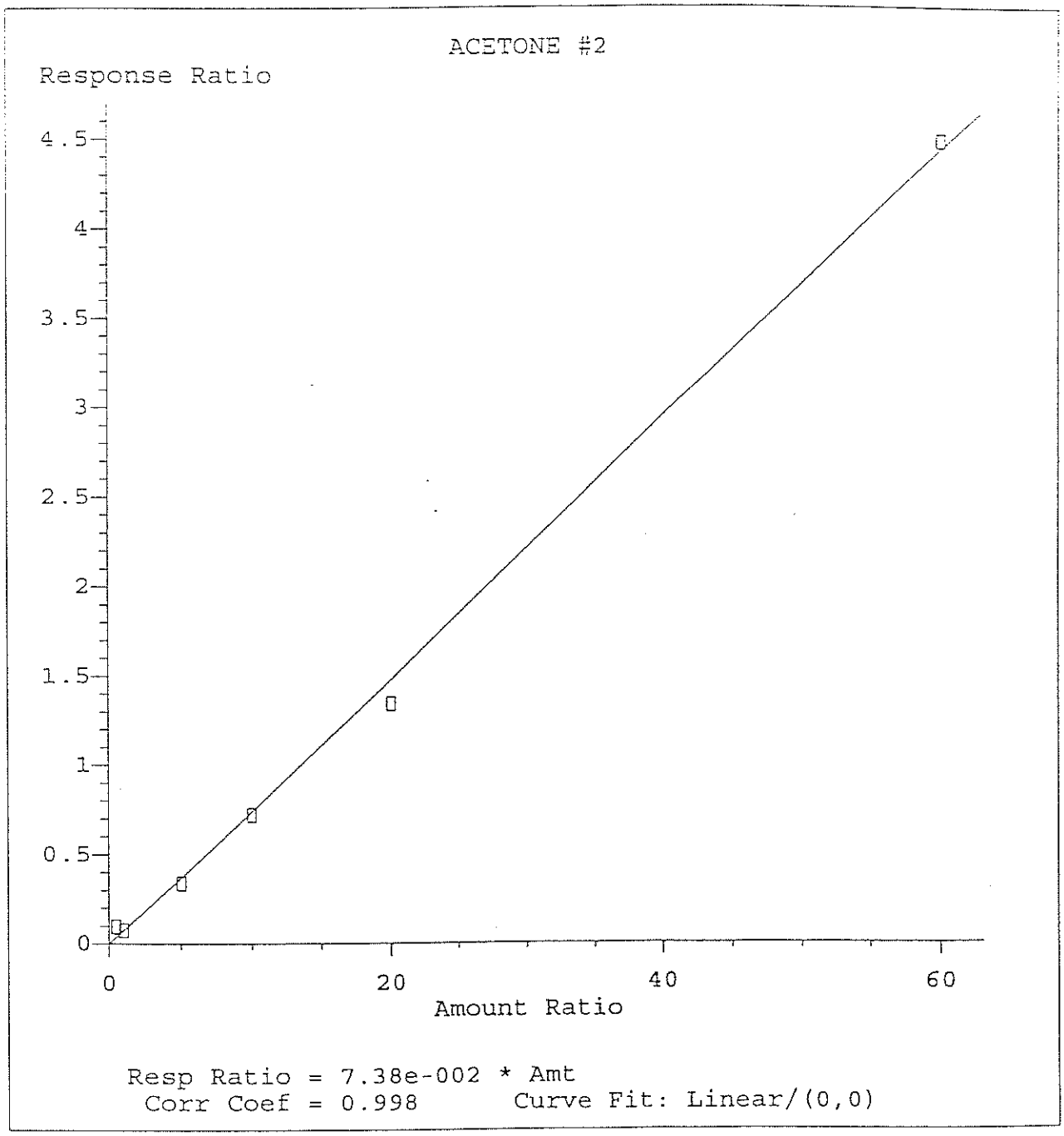
Method Name: C:\HPCHEM\5\METHODS\1-043098.M
Calibration Table Last Updated: Thu Apr 30 16:08:11 1998



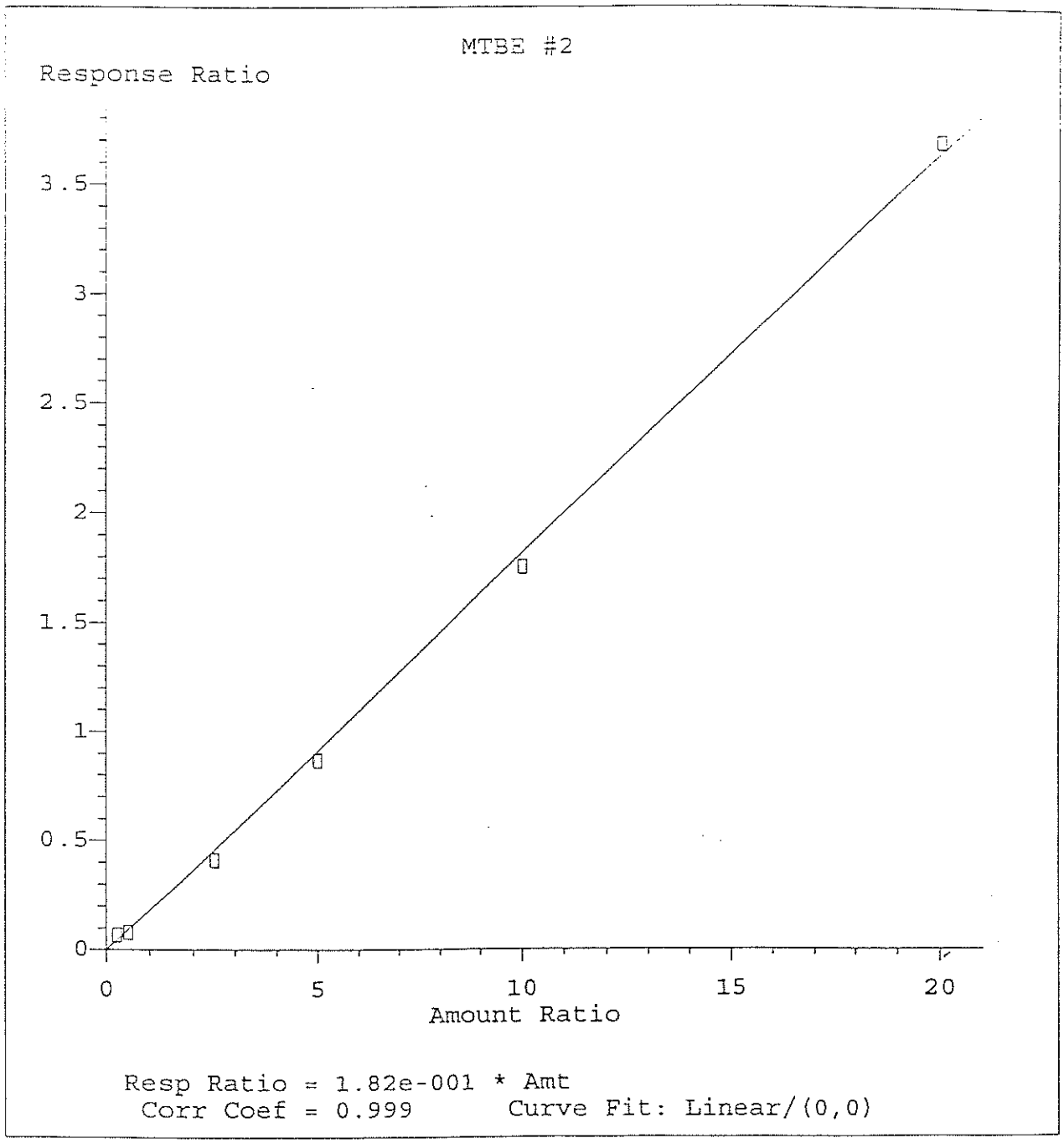
Method Name: C:\HPCHEM\5\METHODS\1-043098.M
Calibration Table Last Updated: Thu Apr 30 16:08:11 1998



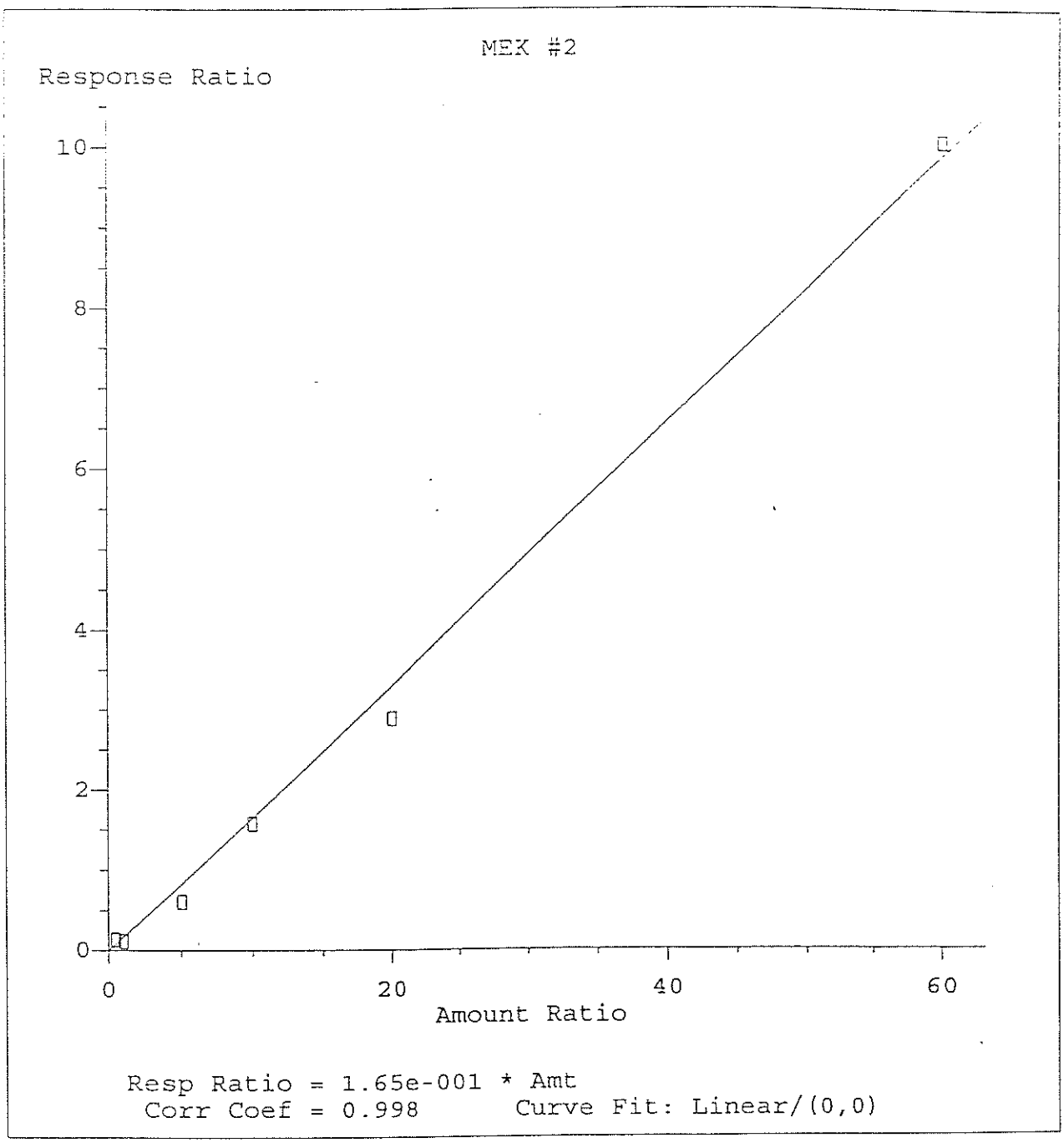
Method Name: C:\HPCHEM\5\METHODS\1-043098.M
Calibration Table Last Updated: Thu Apr 30 16:08:11 1998



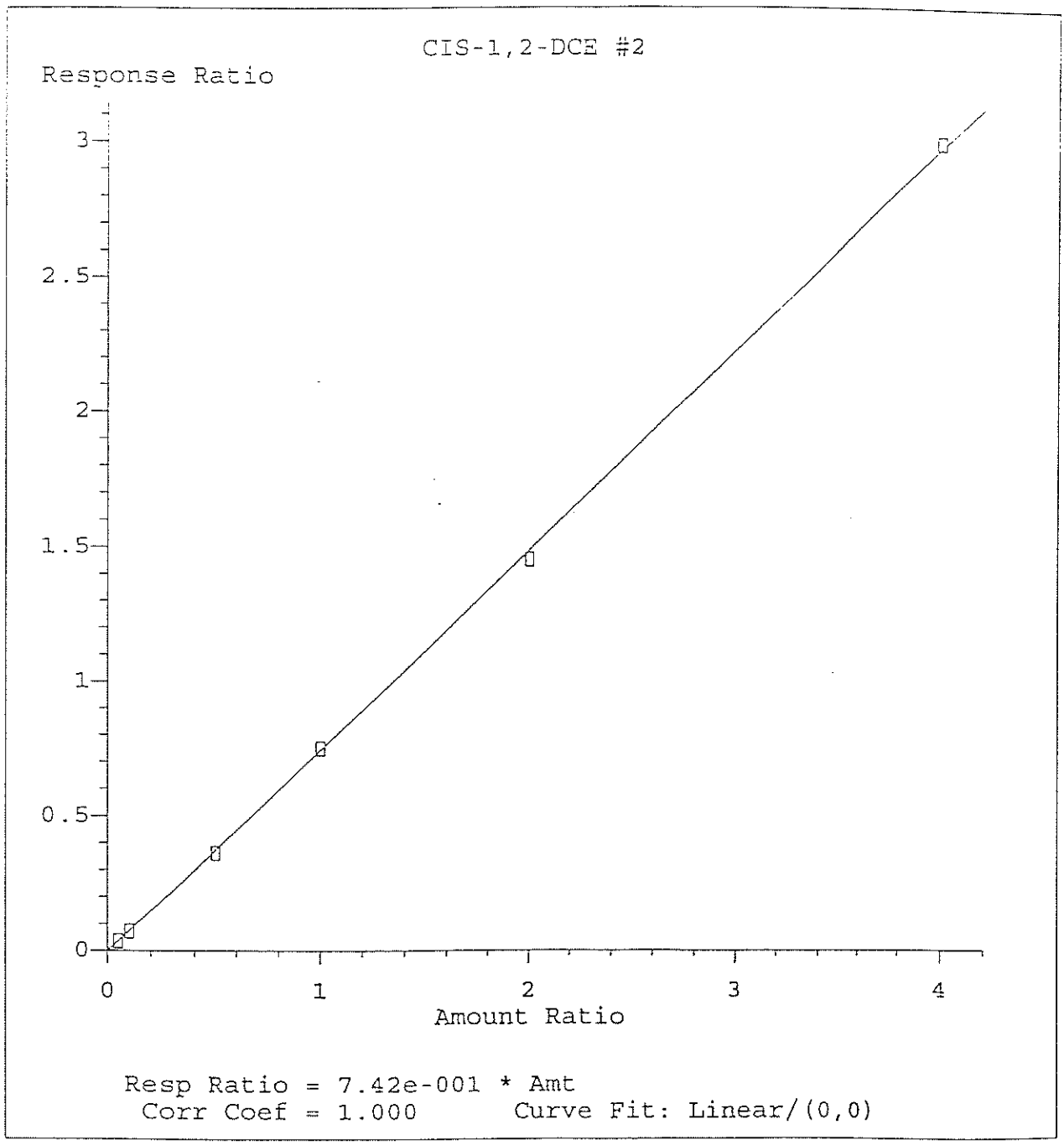
Method Name: C:\HPCHEM\5\METHODS\1-043098.M
Calibration Table Last Updated: Thu Apr 30 16:08:11 1998



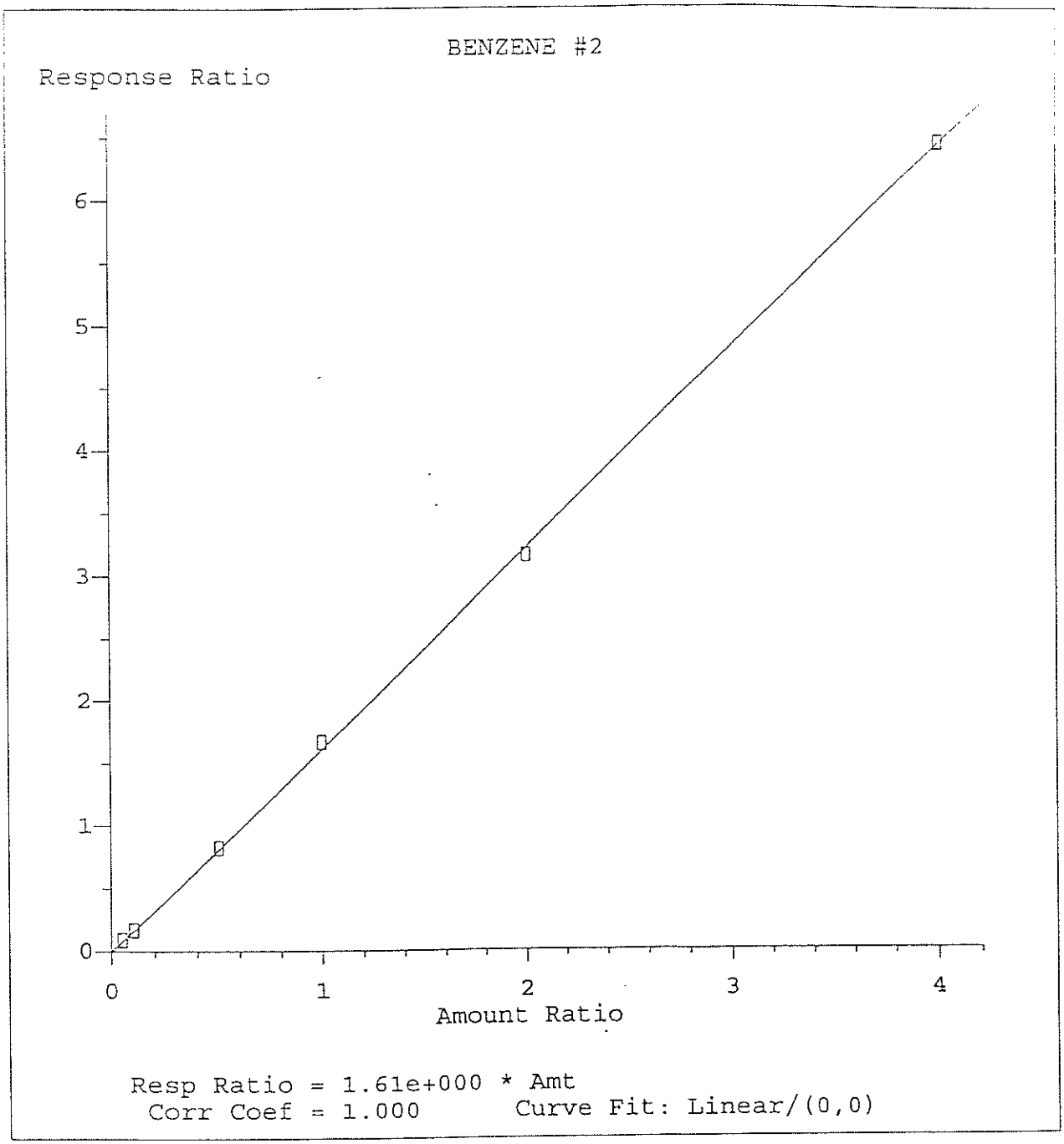
Method Name: C:\HPCHEM\5\METHODS\1-043098.M
Calibration Table Last Updated: Thu Apr 30 16:08:11 1998



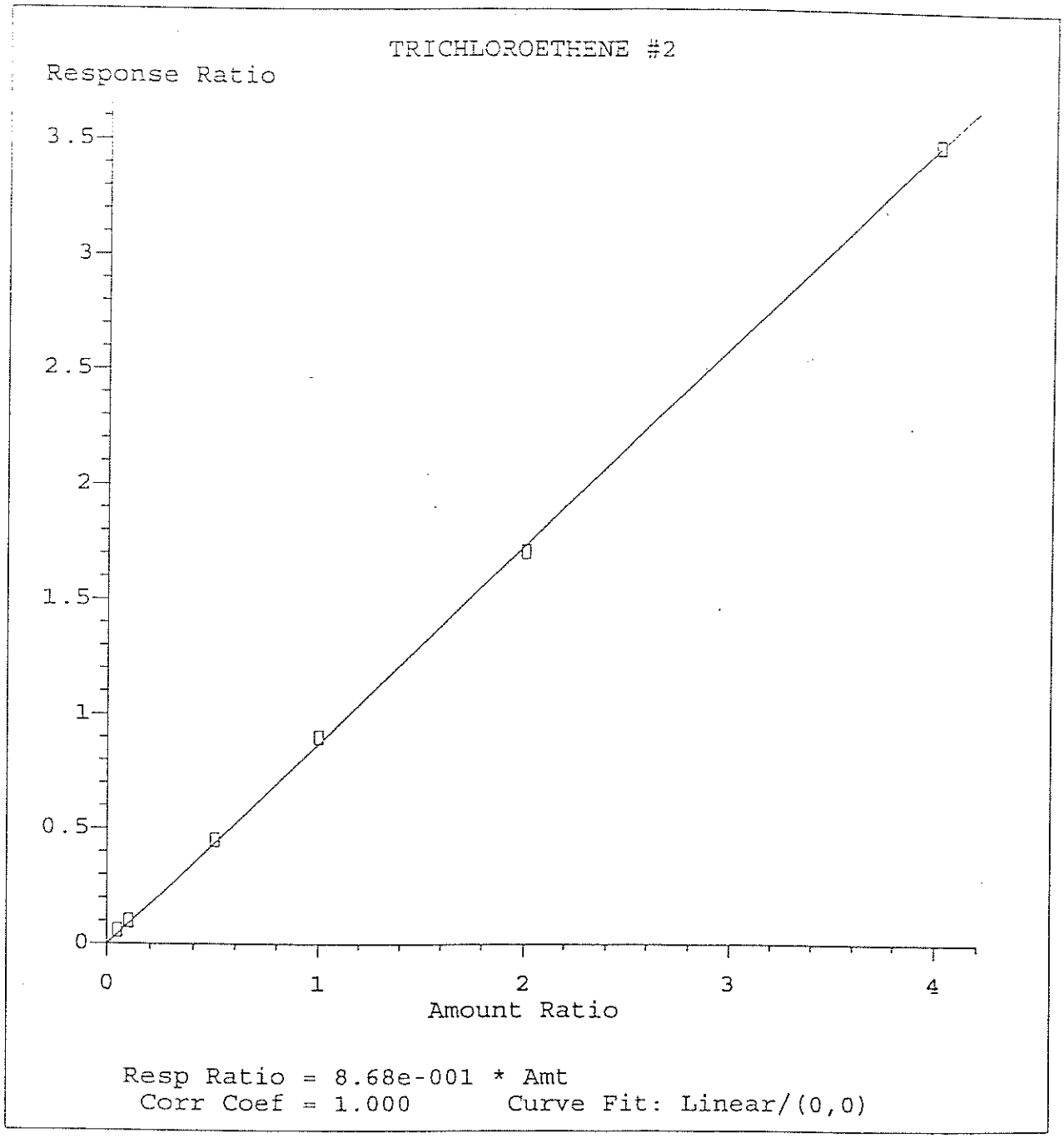
Method Name: C:\HPCHEM\5\METHODS\1-043098.M
Calibration Table Last Updated: Thu Apr 30 16:08:11 1998



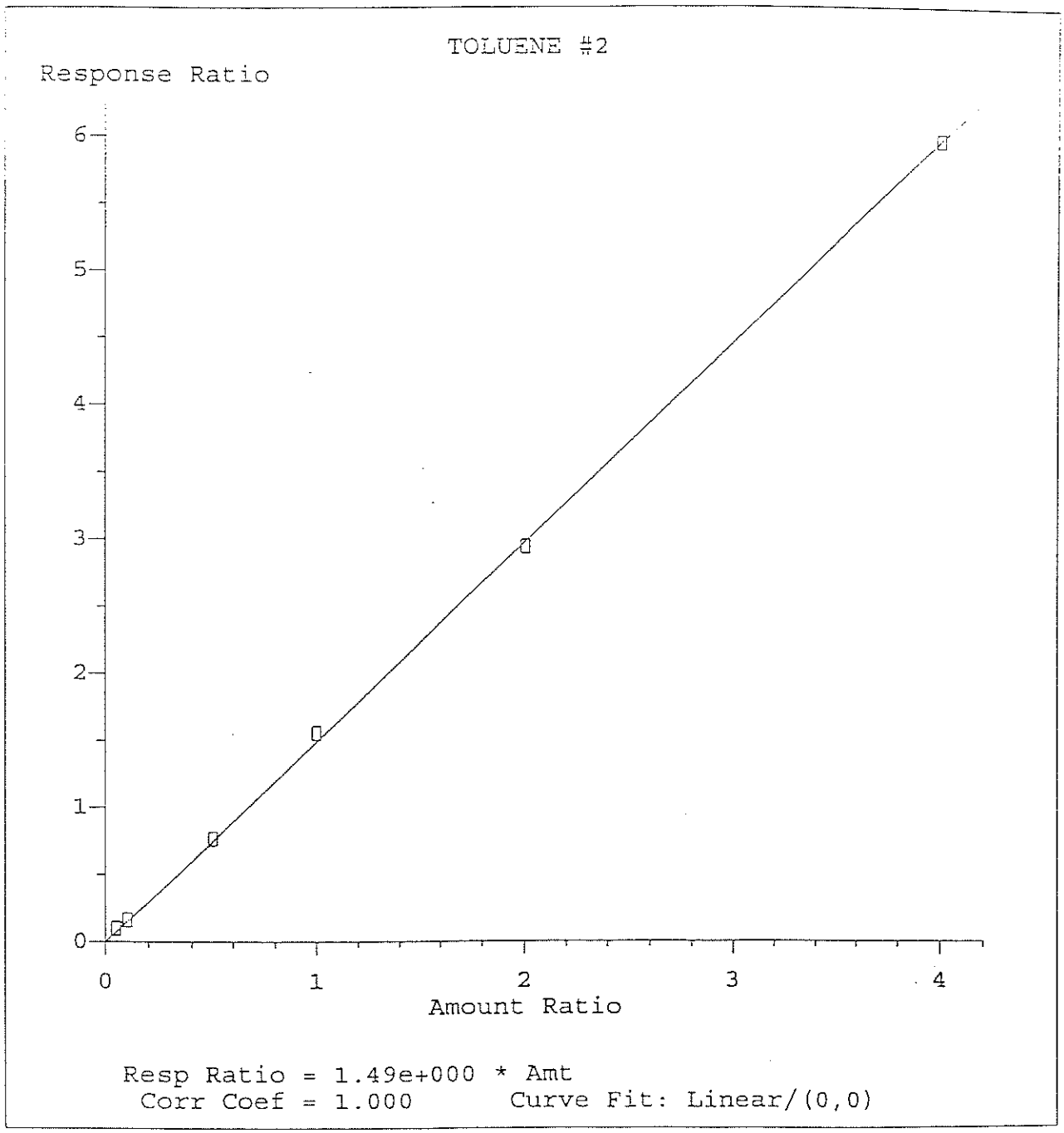
Method Name: C:\HPCHEM\5\METHODS\1-043098.M
Calibration Table Last Updated: Thu Apr 30 16:08:11 1998



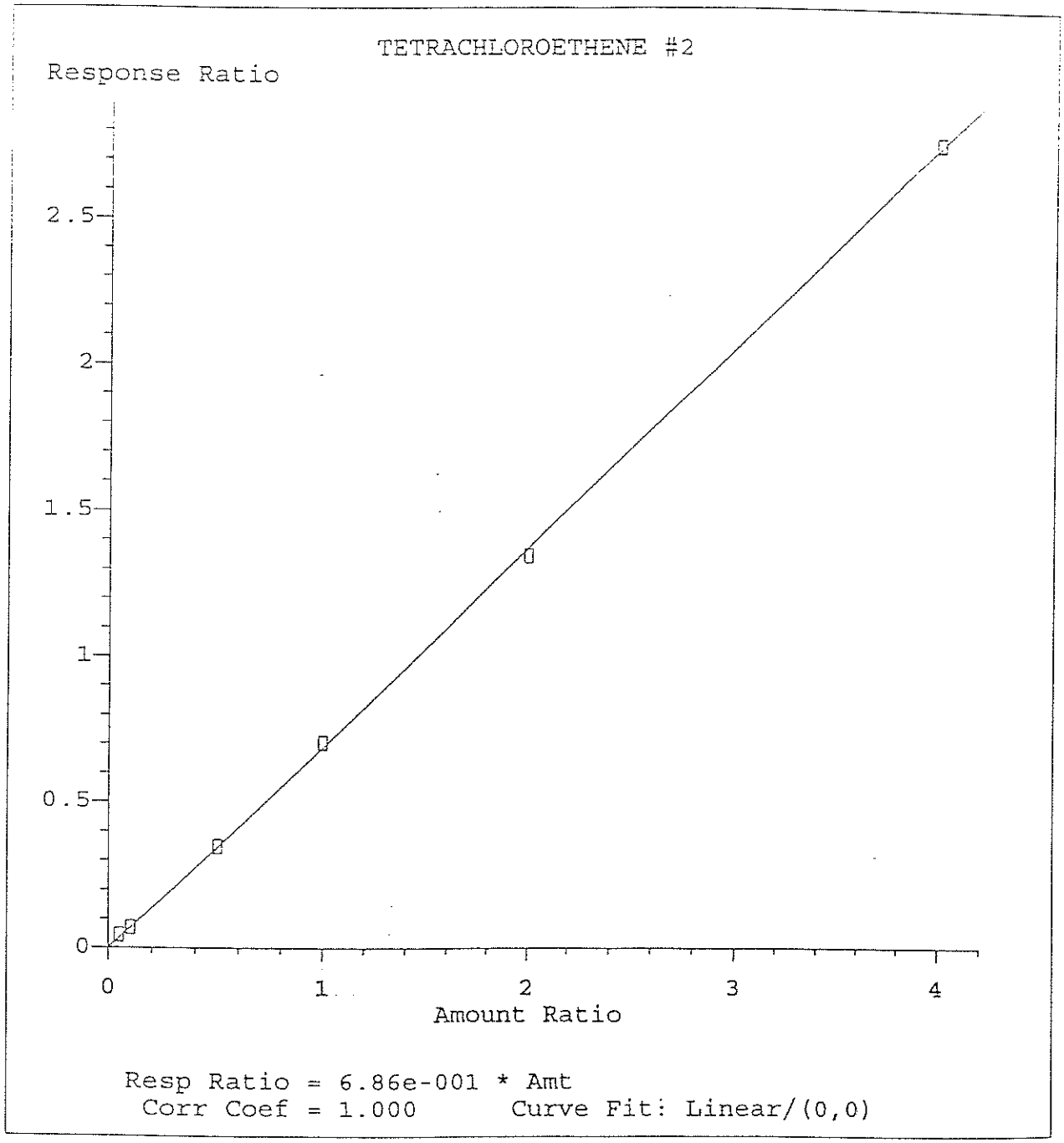
Method Name: C:\HPCHEM\5\METHODS\1-043098.M
Calibration Table Last Updated: Thu Apr 30 16:08:11 1998



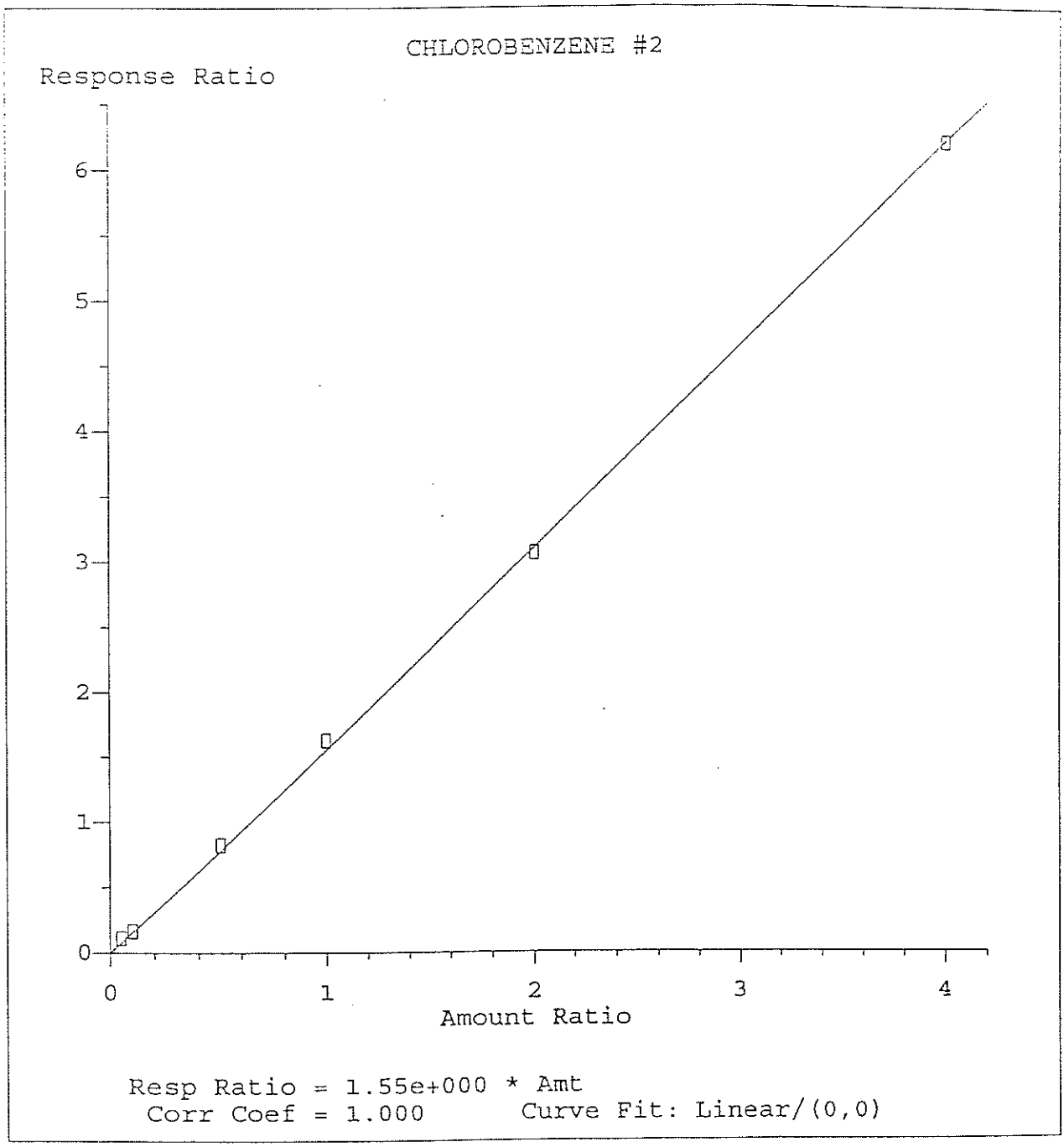
Method Name: C:\HPCHEM\5\METHODS\1-043098.M
Calibration Table Last Updated: Thu Apr 30 16:08:11 1998



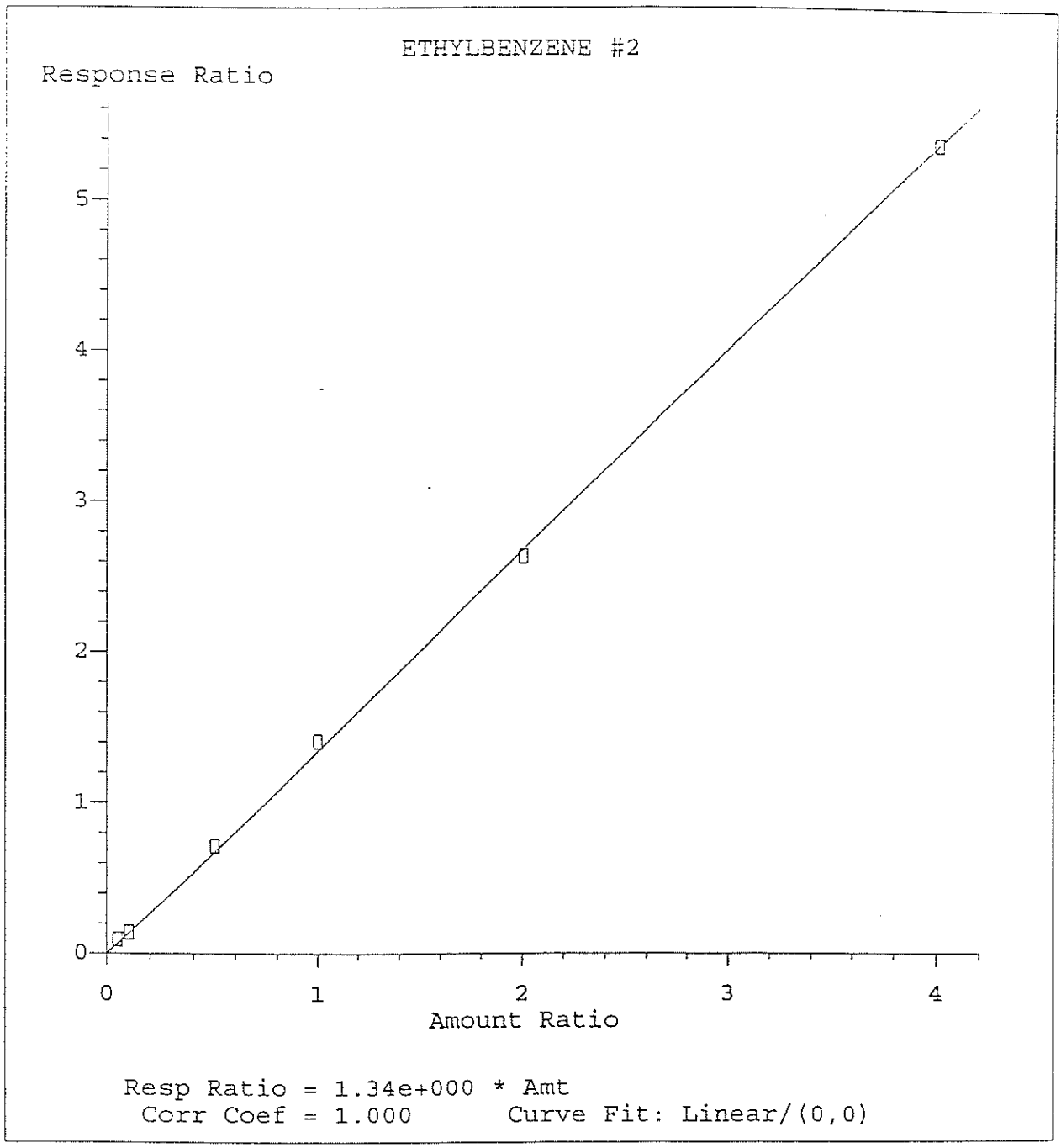
Method Name: C:\HPCHEM\5\METHODS\1-043098.M
Calibration Table Last Updated: Thu Apr 30 16:08:11 1998



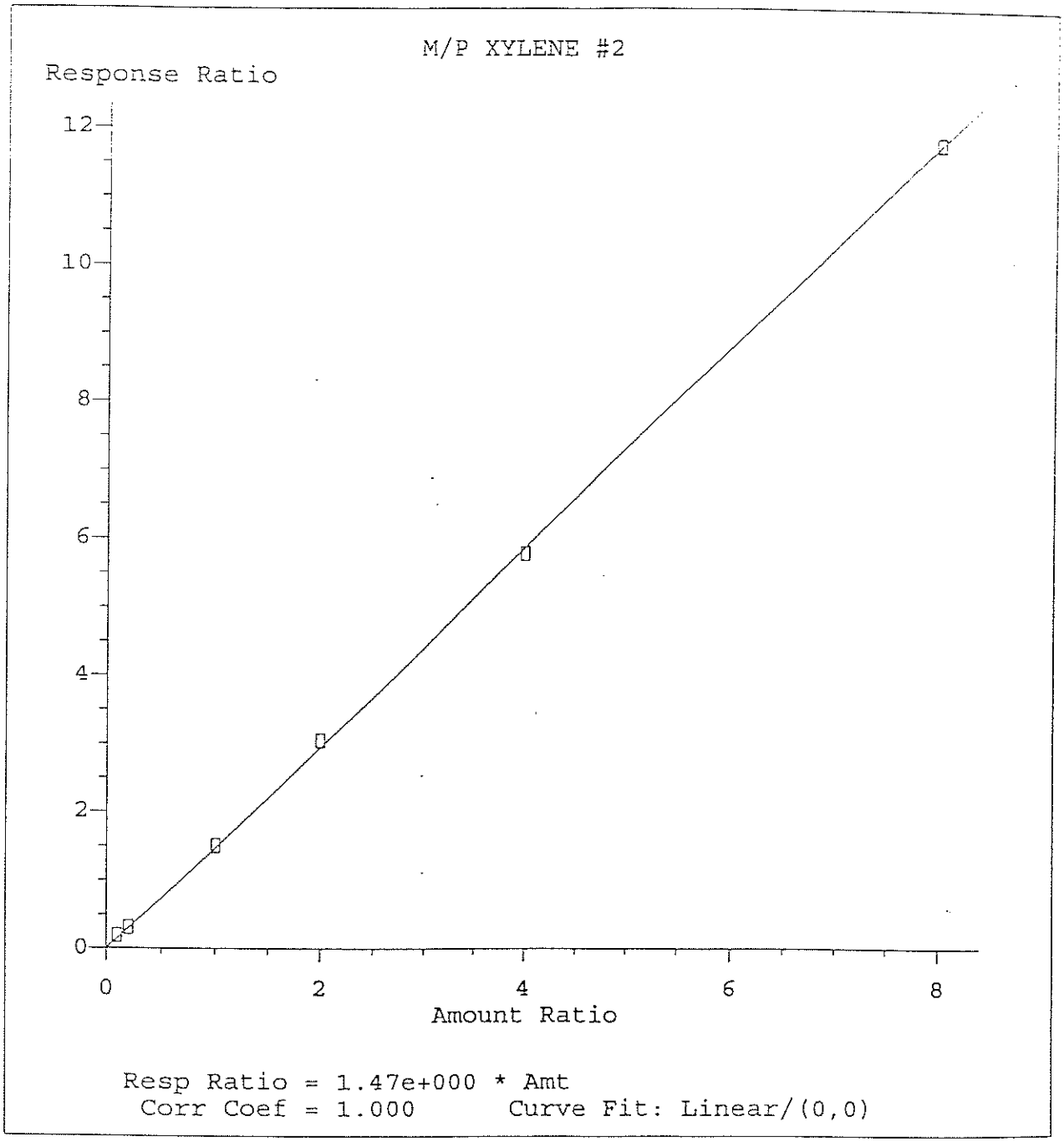
Method Name: C:\HPCHEM\5\METHODS\1-043098.M
Calibration Table Last Updated: Thu Apr 30 16:08:11 1998



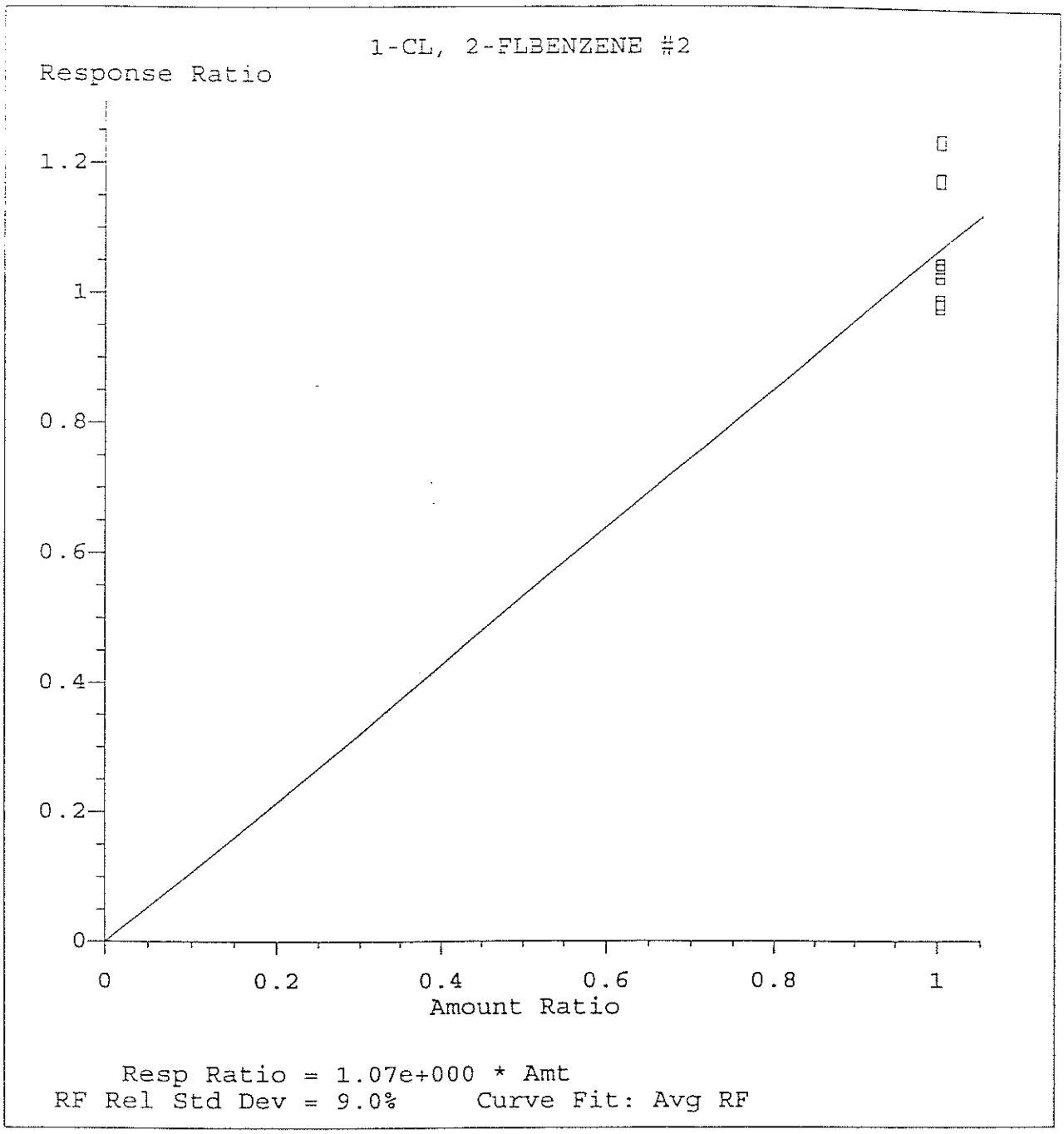
Method Name: C:\HPCHEM\5\METHODS\1-043098.M
Calibration Table Last Updated: Thu Apr 30 16:08:11 1998



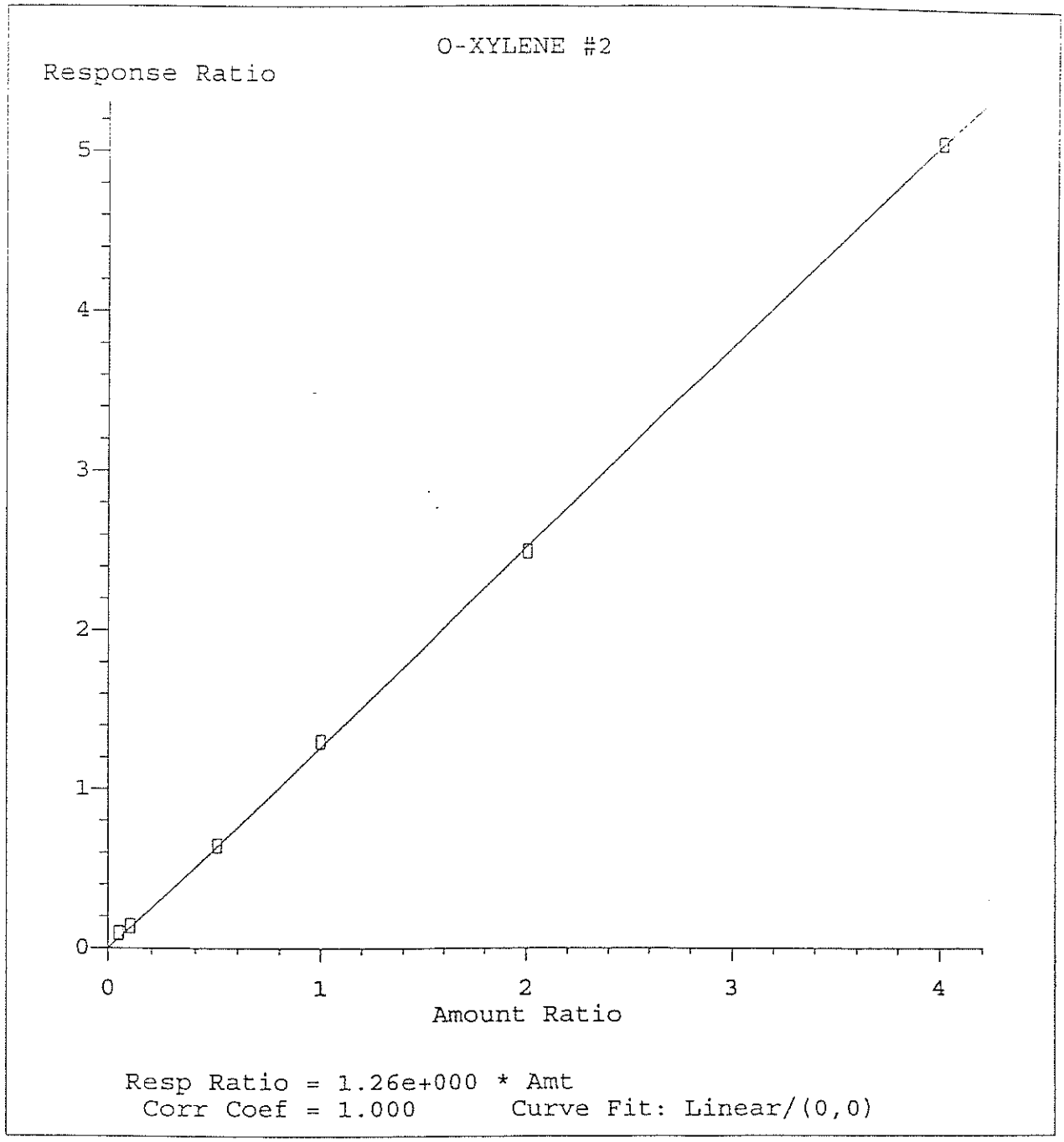
Method Name: C:\HPCHEM\5\METHODS\1-043098.M
Calibration Table Last Updated: Thu Apr 30 16:08:11 1998



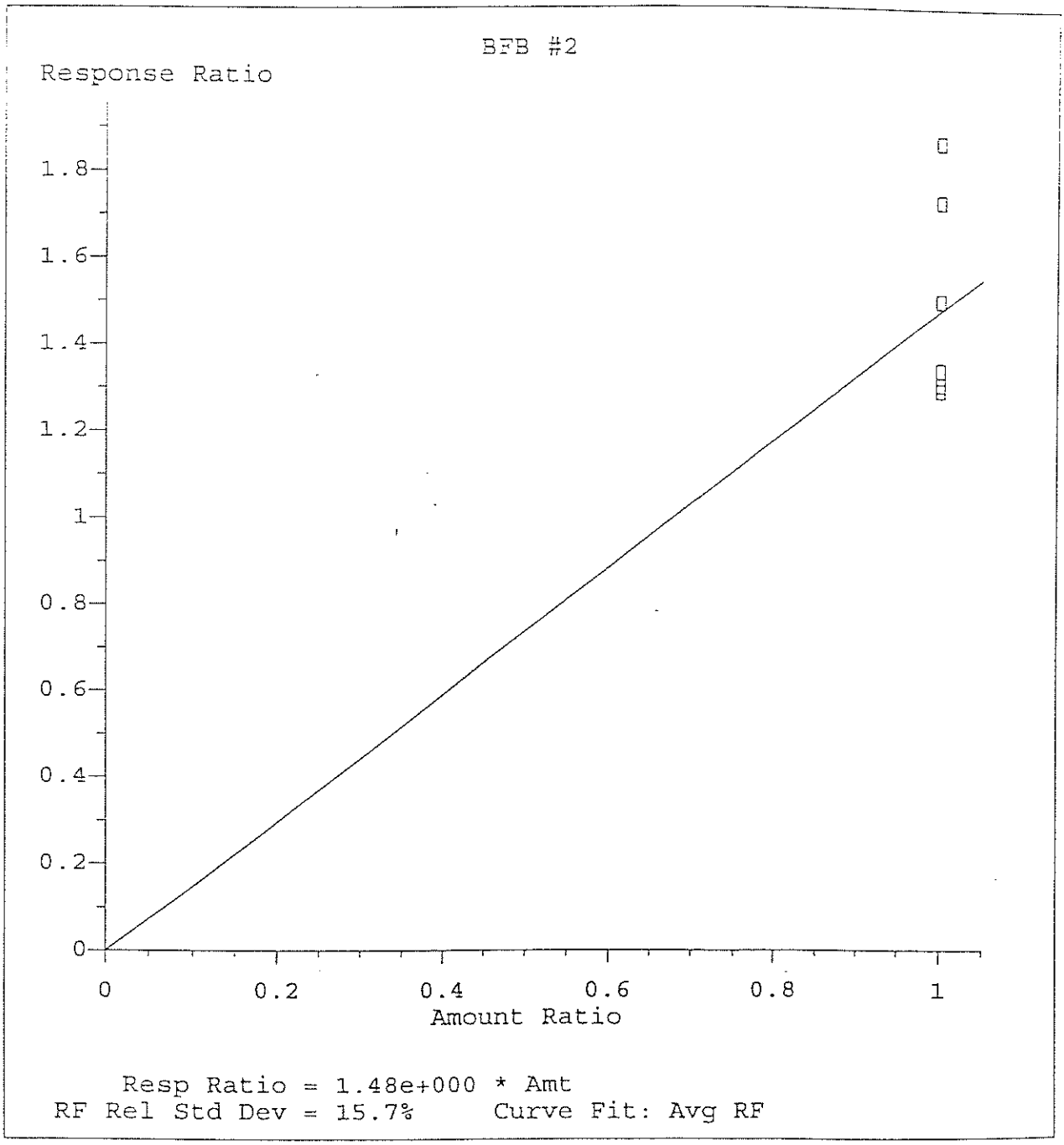
Method Name: C:\HPCHEM\5\METHODS\1-043098.M
Calibration Table Last Updated: Thu Apr 30 16:08:11 1998



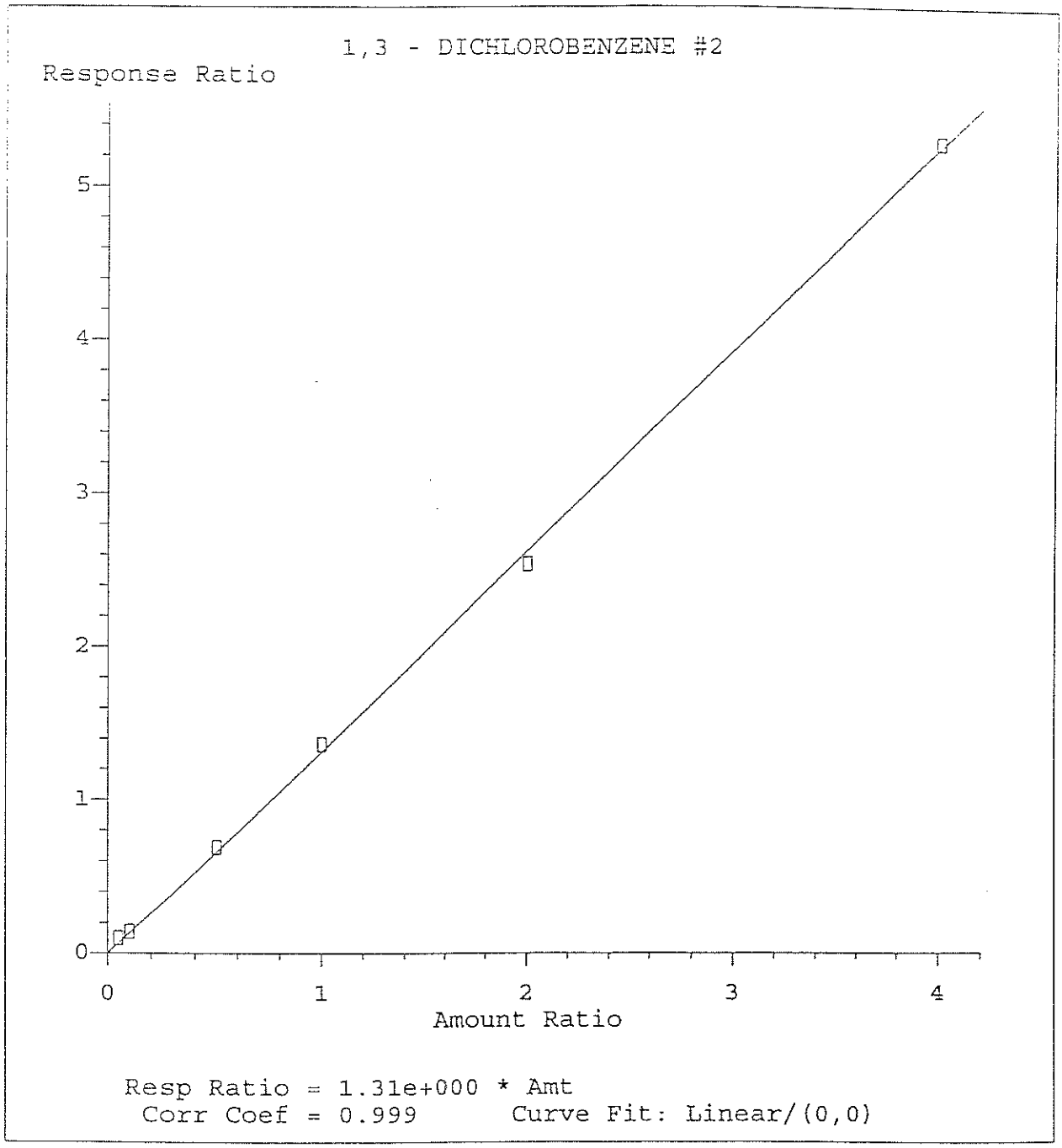
Method Name: C:\HPCHEM\5\METHODS\1-043098.M
Calibration Table Last Updated: Thu Apr 30 16:08:11 1998



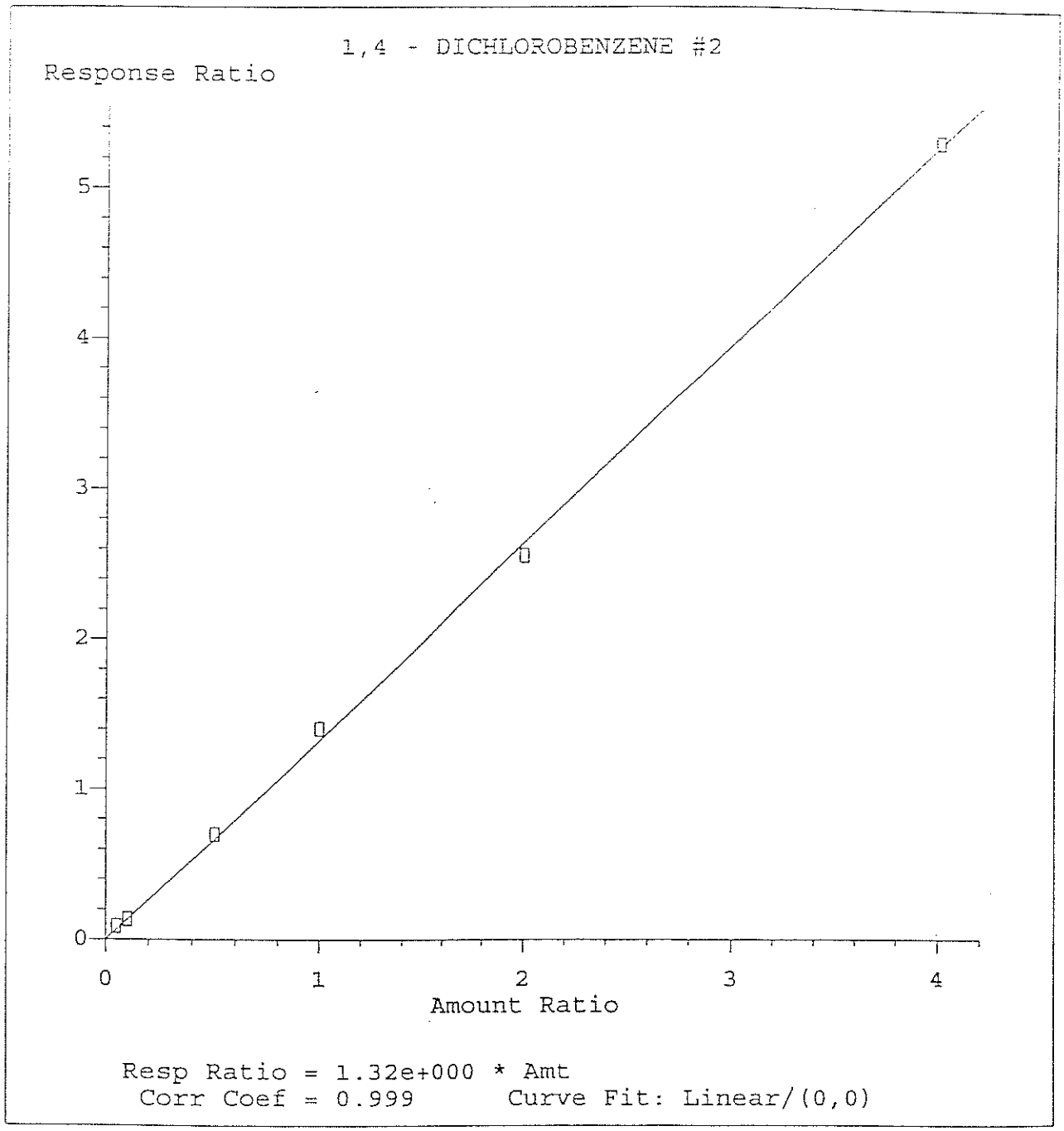
Method Name: C:\HPCHEM\5\METHODS\1-043098.M
Calibration Table Last Updated: Thu Apr 30 16:08:11 1998



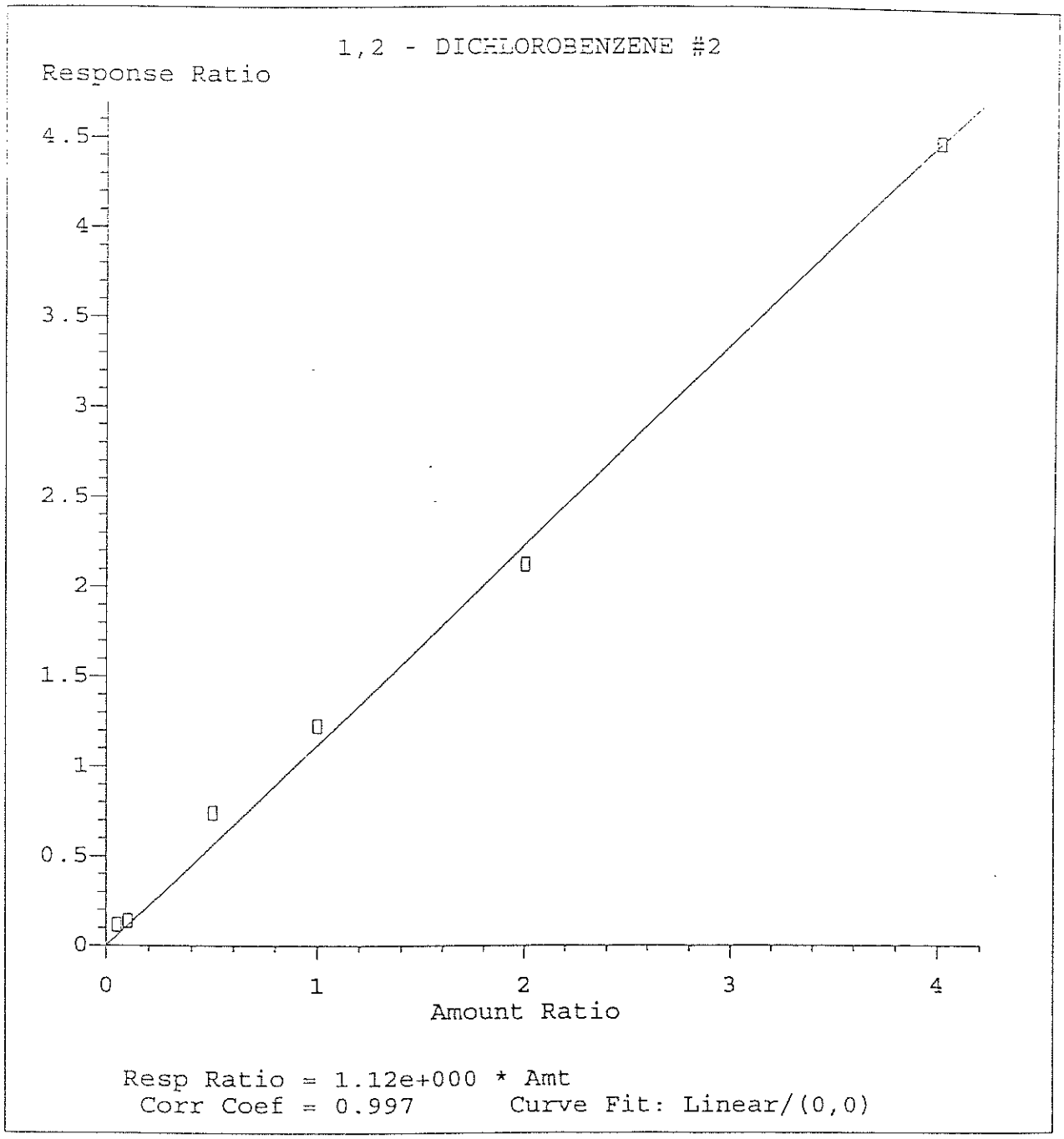
Method Name: C:\HPCHEM\5\METHODS\1-043098.M
Calibration Table Last Updated: Thu Apr 30 16:08:11 1998



Method Name: C:\HPCHEM\5\METHODS\1-043098.M
Calibration Table Last Updated: Thu Apr 30 16:08:11 1998



Method Name: C:\HPCHEM\5\METHODS\1-043098.M
Calibration Table Last Updated: Thu Apr 30 16:08:11 1998



Method Name: C:\HPCHEM\5\METHODS\1-043098.M
Calibration Table Last Updated: Thu Apr 30 16:08:11 1998

American Environmental Network (Arizona), Inc.

GC VOA INSTRUMENT I
INJECTION LOG

DATE: 5/26/98

ANALYST: AG

SPARG #	TEST CODE	COMPUTER FILE	ACCESSION I.D.	INJ. VOL.	SURR% PID	SURR% HALL	REINJECTS	pH <2 Y/N	HNU	COMMENTS
1	LCS	0102001	LCS	20 µ	98	103				VI-15-20
2	6012	0201002	Blank	5ml	90	102				—
3	WS02	03	805120-1		89	108		Y		
4	|	04	805121-1		91	115		Y		
5	6012	05	805113-1		90	108		Y		
6		06	-2		91	109		Y		
15		07	-2MS		102	102				
16		08	-2MSD		101	108				
1	MidCCV	09	Mid CCV	20 µ	100	105				VI-15-20
7	6012	10	805113-3	5ml	90	103		Y		
8		11	-4		90	110		Y		
9		12	-5		90	109		Y		
10		13	-6		89	105		Y		
11		14	-7		88	111		Y		
12		15	-8		90	111		Y		
13		16	-9		91	109		Y		
14		17	-10		87	112		Y	TB	
15	EndCCV	18	Closing CCV	20 µ	101	106				
16	EndCCV	1901019	Closing CCV	20µ	101	103				
										AG 5/26/98

5 µl of IS/Surr Mix (ID VI-81-22) added to all (QC and samples).

American Environmental Network (Arizona), Inc.

Data Package

- Calibration Data
- QC Data
- Sample Data

6012 LCS/CCV

DAILY OPENING CCV
GC 1
05/26/98

AEN AZ
MAXIMUM 5 CMPDS OUT

COMPOUND	RESULT UG/L	RANGE "Q" UG/L	PASS/ FAIL
BENZENE #2	19.1	15.4-24.6	<--PASS
BRODICLMETHANE	25.9	15.2-24.8	<--FAIL
BROMOFORM	22.4	14.7-25.3	<--PASS
BROMOMETHANE	14.6	11.7-28.3	<--PASS
CARBON TETRACL	21.3	13.7-26.3	<--PASS
CHLOROBENZENE	22.5	14.4-25.6	<--PASS
CHLOROETHANE	18.8	15.4-24.6	<--PASS
2-CEVE	15.0	12.0-28.0	<--PASS
CHLOROFORM	21.4	15.0-25.0	<--PASS
CHLOROMETHANE	17.8	11.9-28.1	<--PASS
DIBROCLMETHANE	23.4	13.1-26.9	<--PASS
1,2-DICLBENZENE	22.9	14.0-26.0	<--PASS
1,3-DICLBENZENE	22.9	9.9-30.1	<--PASS
1,4-DICLBENZENE	23.2	13.9-26.1	<--PASS
DCDFM	16.4	12.4-31.4	<--PASS
1,1-DCA	19.9	16.8-23.2	<--PASS
1,2-DCA	22.5	14.3-25.7	<--PASS
1,1-DCE	17.5	12.6-27.4	<--PASS
TRANS-1,2-DCE	20.5	12.8-27.2	<--PASS
1,2-DCPA	22.4	14.8-25.2	<--PASS
CIS-1,3-DCPE	23.1	12.8-27.2	<--PASS
TRANS-1,3-DCPE	23.9	12.8-27.2	<--PASS
ETHYLBENZENE #2	19.4	12.6-27.4	<--PASS
DCM	20.5	15.5-24.5	<--PASS
1,1,2,2-PCA	25.1	9.8-30.2	<--PASS
PCE	23.1	14.0-26.0	<--PASS
TOLUENE #2	19.5	15.5-24.5	<--PASS
1,1,1-TCA	21.3	14.2-25.8	<--PASS
1,1,2-TCA	23.4	15.7-24.3	<--PASS
TCE	21.8	15.4-24.6	<--PASS
TCFM	20.6	13.3-26.7	<--PASS
FREON-113	20.0	13.3-26.7	<--PASS
VINYL CHLORIDE	16.6	13.7-26.3	<--PASS
O-XYLENE #2	19.5	12.6-27.4	<--PASS
M/P XYLENE #2	38.8	25.5-54.8	<--PASS

C:\HPCHEM\5\DATA\052698\0102001.D\

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\052698\0102001.D Vial: 1
Signal #2 : C:\HPCHEM\5\DATA\052698\0102001.D\CONFIRM.D
Acq On : 26 May 98 09:25 AM Operator:
Sample : LCS 20ppb Inst : GC 1
Misc : V1-15-20 Multiplr: 1.00
Quant Time: May 26 10:06 1998

Method : C:\HPCHEM\5\METHODS\1-043098.M
Title :
Last Update : Wed May 06 08:35:54 1998
Response via : Multiple Level Calibration

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

		Compound	R.T.	Response	Conc Units
		Internal Standards			
1)		1-CL, 2-FLBENZENE(IS)	29.00	2018406	10.00 UG/L
34)	I	FLUOROBENZENE (IS) #2	20.40	519007	10.00 UG/L
		System Monitoring Compounds			
28)	S	BFB	31.07	1351074	10.29 UG/L
			Recovery	=	102.90%
47)	S	1-CL, 2-FLBENZENE #2	28.98	541652	9.78 UG/L
			Recovery	=	97.80%
49)	S	BFB #2	31.04	696640	9.10 UG/L
			Recovery	=	91.00%
		Target Compounds			
2)		DCDFM	4.63	3900115	16.42 UG/L
3)		CHLOROMETHANE	5.14	5203998	17.78 UG/L
4)		VINYL CHLORIDE	5.48	4120756	16.56 UG/L
5)		BROMOMETHANE	6.46	1850014	14.63 UG/L
6)		CHLOROETHANE	6.76	4142600	18.77 UG/L
7)		TCFM	7.59	6159559	20.56 UG/L
8)		FREON-113/1,1-DCE	9.54	9155988	40.05 UG/L
9)		DCM	11.71	6339415	20.53 UG/L
10)		TRANS-1,2-DCE	12.97	5473757	20.55 UG/L
11)		1,1-DCA	14.74	8129602	19.86 UG/L
12)		CIS-1,2-DCE	16.88	8555966	20.81 UG/L
13)		CHLOROFORM	17.98	10750101	21.37 UG/L
14)		1,1,1-TCA	18.45	9859653	21.28 UG/L
15)		CARBON TETRACL	18.97	11077024	21.31 UG/L
16)		1,2-DCA	19.68	9136490	22.48 UG/L
17)		TCE	21.45	9365751	21.78 UG/L
18)		1,2-DCPA	22.04	8416073	22.36 UG/L
19)		BRODICLMETHANE	22.82	12050113	25.91 UG/L
20)		2-CHLOROETHYLVINYLETHER	23.62	3231449	15.02 UG/L
21)		CIS-1,3-DCPE	23.97	7706722	23.11 UG/L
22)		TRANS-1,3-DCPE	25.38	7247440	23.89 UG/L
23)		1,1,2-TCA	25.83f	9549502	23.41 UG/L
24)		PCE	26.17	10752303	23.12 UG.L
25)		DIBROCLMETHANE	26.80	6995539	23.41 UG/L
26)		CHLOROBENZENE	28.28	4306461	22.49 UG/L

(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\052698\0102001.D Vial: 1
Signal #2 : C:\HPCHEM\5\DATA\052698\0102001.D\CONFIRM.D
Acq On : 26 May 98 09:25 AM Operator:
Sample : LCS 20ppb Inst : GC 1
Misc : V1-15-20 Multiplr: 1.00
Quant Time: May 26 10:06 1998

Method : C:\HPCHEM\5\METHODS\1-043098.M
Title :
Last Update : Wed May 06 08:35:54 1998
Response via : Multiple Level Calibration

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

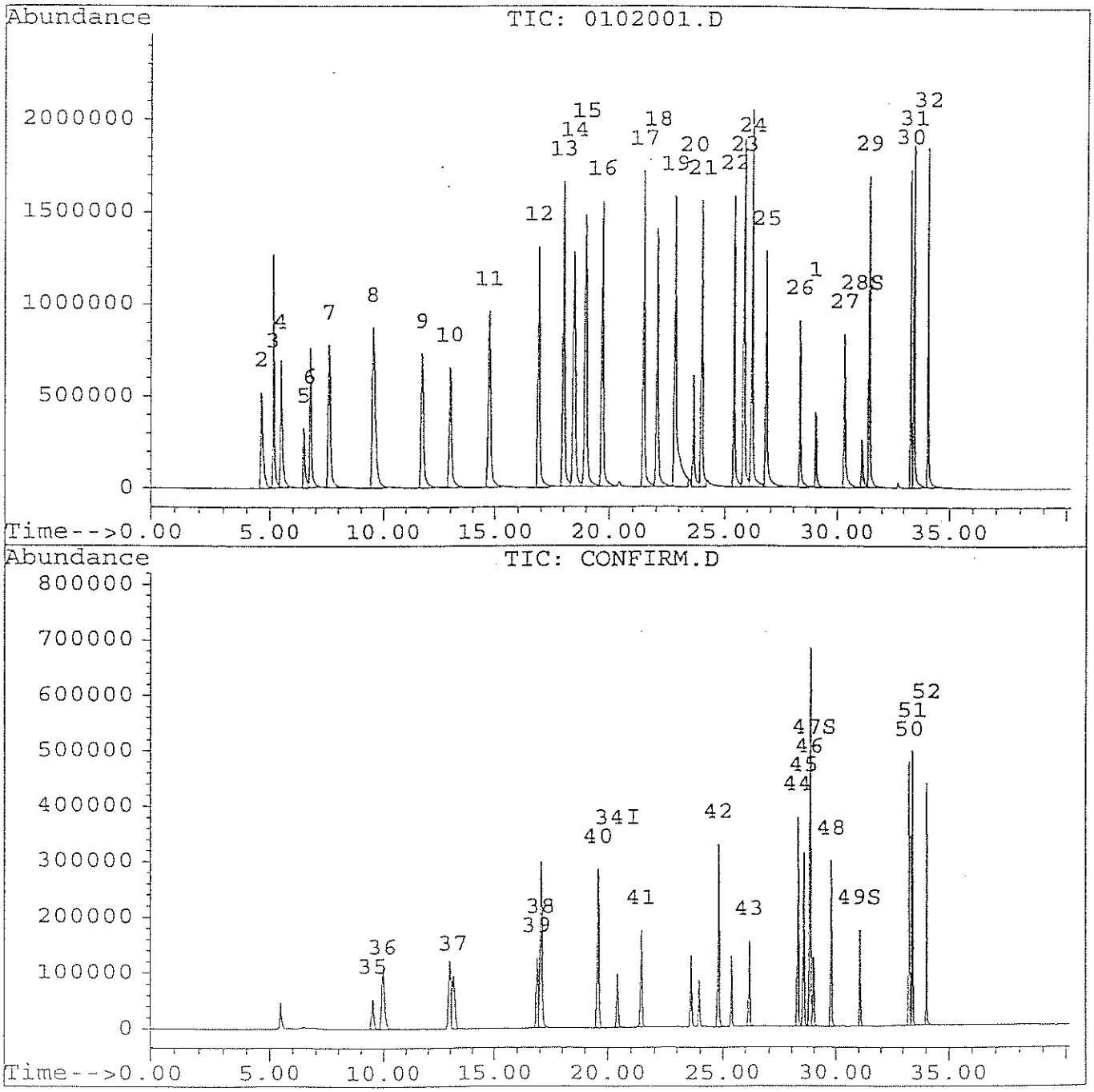
	Compound	R.T.	Response	Conc Units
27)	BROMOFORM	30.29	4536509	22.41 UG/L
29)	1,1,2,2-PCA	31.41	7875936	25.06 UG/L
30)	1,3-DICLBENZENE	33.28	5479362	22.91 UG/L
31)	1,4-DICLBENZENE	33.44	6540776	23.25 UG/L
32)	1,2-DICLBENZENE	34.04	5956631	22.89 UG/L
35)	11DCE #2	9.50	389891	17.50 UG/L
36)	ACETONE #2	9.95	1029751	269.00 UG/L
37)	MTBE #2	13.13	930691	98.61 UG/L
38)	MEK #2	17.03	1949518	228.32 UG/L
39)	CIS-1,2-DCE #2	16.86	719730	18.68 UG/L
40)	BENZENE #2	19.56	1596614	19.13 UG/L
41)	TRICHLOROETHENE #2	21.43	902090	20.01 UG/L
42)	TOLUENE #2	24.78	1509399	19.54 UG/L
43)	TETRACHLOROETHENE #2	26.15	690287	19.38 UG/L
44)	CHLOROBENZENE #2	28.26	1572167	19.54 UG/L
45)	ETHYLBENZENE #2	28.52	1347279	19.37 UG/L
46)	M/P XYLENE #2	28.81	2954541	38.78 UG/L
48)	O-XYLENE #2	29.77	1275852	19.47 UG/L
50)	1,3 - DICHLOROBENZENE #2	33.26	1382637	20.31 UG/L
51)	1,4 - DICHLOROBENZENE #2	33.41	1399187	20.41 UG/L
52)	1,2 - DICHLOROBENZENE #2	34.02	1194436	20.62 UG/L

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\052698\0102001.D Vial: 1
Signal #2 : C:\HPCHEM\5\DATA\052698\0102001.D\CONFIRM.D
Acq On : 26 May 98 09:25 AM Operator:
Sample : LCS 20ppb Inst : GC 1
Misc : V1-15-20 Multiplr: 1.00
Quant Time: May 26 10:06 1998

Method : C:\HPCHEM\5\METHODS\1-043098.M
Title :
Last Update : Wed May 06 08:35:54 1998
Response via : Multiple Level Calibration

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\052698\0901009.D Vial: 9
Signal #2 : C:\HPCHEM\5\DATA\052698\0901009.D\CONFIRM.D
Acq On : 26 May 98 04:32 PM Operator:
Sample : Mid CCV Inst : GC 1
Misc : V1-15-20 Multiplr: 1.00
Quant Time: May 27 8:28 1998

Method : C:\HPCHEM\5\METHODS\1-043098.M
Title :
Last Update : Wed May 06 08:35:54 1998
Response via : Multiple Level Calibration

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

		Compound	R.T.	Response	Conc Units
		Internal Standards			
1)		1-CL, 2-FLBENZENE(IS)	29.00	2425538	10.00 UG/L
34)	I	FLUOROBENZENE (IS) #2	20.38	541095	10.00 UG/L
		System Monitoring Compounds			
28)	S	BFB	31.06	1661955	10.53 UG/L
			Recovery =		105.30%
47)	S	1-CL, 2-FLBENZENE #2	28.97	576550	9.98 UG/L
			Recovery =		99.80%
49)	S	BFB #2	31.03	738029	9.25 UG/L
			Recovery =		92.50%
		Target Compounds			
2)		DCDFM	4.61	5076433	17.79 UG/L
3)		CHLOROMETHANE	5.14	6156845	17.51 UG/L
4)		VINYL CHLORIDE	5.46	4871324	16.29 UG/L
5)		BROMOMETHANE	6.45	2292398	15.09 UG/L
6)		CHLOROETHANE	6.74	4796540	18.08 UG/L
7)		TCFM	7.55	6406351	17.80 UG/L
8)		FREON-113/1,1-DCE	9.51	9895199	36.02 UG/L
9)		DCM	11.67	7110262	19.17 UG/L
10)		TRANS-1,2-DCE	12.94	5952898	18.60 UG/L
11)		1,1-DCA	14.70	5976439	12.15 UG/L
12)		CIS-1,2-DCE	16.86	9015477	18.25 UG/L
13)		CHLOROFORM	17.97	11742514	19.42 UG/L
14)		1,1,1-TCA	18.44	10514345	18.88 UG/L
15)		CARBON TETRACL	18.94	11780298	18.86 UG/L
16)		1,2-DCA	19.66	10259416	21.01 UG/L
17)		TCE	21.43	9831372	19.03 UG/L
18)		1,2-DCPA	22.03	8992996	19.88 UG/L
19)		BRODICLMETHANE	22.81	13125233	23.48 UG/L
20)		2-CHLOROETHYLVINYLETHER	23.62	4354857	16.85 UG/L
21)		CIS-1,3-DCPE	23.96	8332784	20.79 UG/L
22)		TRANS-1,3-DCPE	25.37	7841317	21.51 UG/L
23)		1,1,2-TCA	25.82	11005216	22.45 UG/L
24)		PCE	26.16	11102580	19.86 UG.L
25)		DIBROCLMETHANE	26.80	7626665	21.24 UG/L
26)		CHLOROBENZENE	28.27	4504988	19.58 UG/L

(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\052698\0901009.D Vial: 9
Signal #2 : C:\HPCHEM\5\DATA\052698\0901009.D\CONFIRM.D
Acq On : 26 May 98 04:32 PM Operator:
Sample : Mid CCV Inst : GC 1
Misc : V1-15-20 Multiplr: 1.00
Quant Time: May 27 8:28 1998

Method : C:\HPCHEM\5\METHODS\1-043098.M
Title :
Last Update : Wed May 06 08:35:54 1998
Response via : Multiple Level Calibration

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

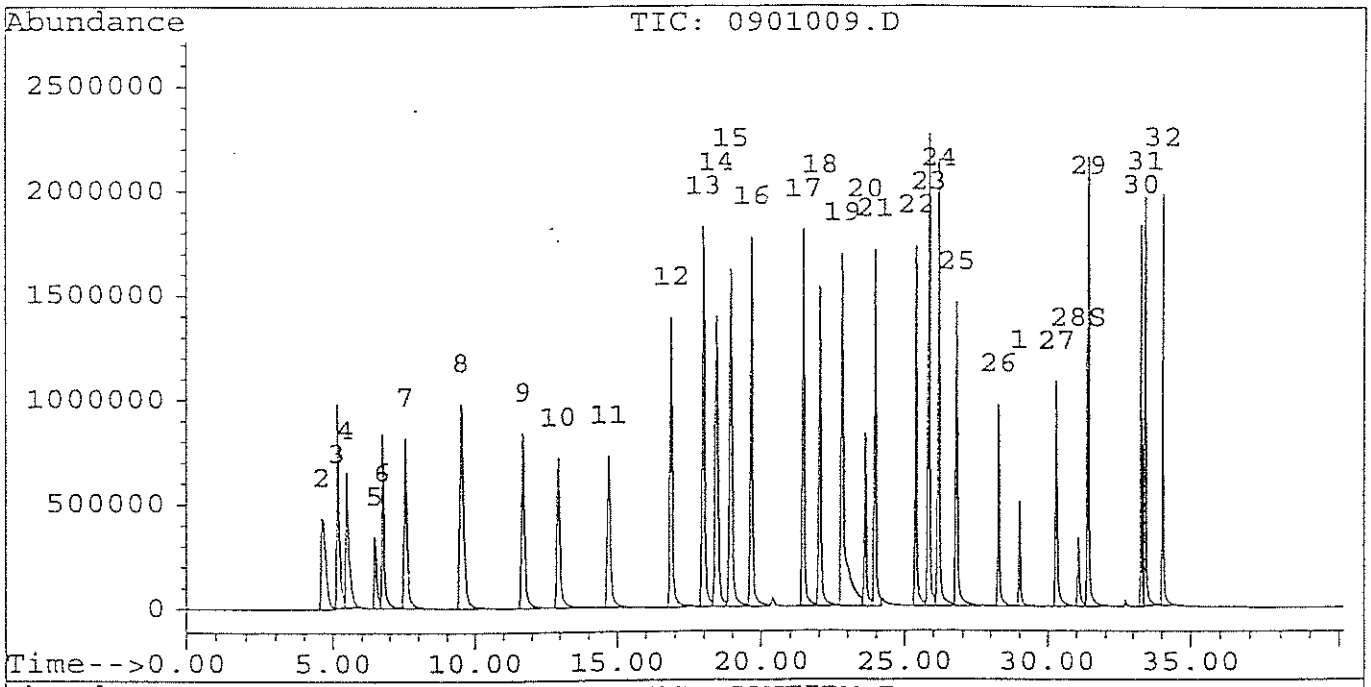
	Compound	R.T.	Response	Conc	Units
27)	BROMOFORM	30.28	5470766	22.49	UG/L
29)	1,1,2,2-PCA	31.40	9966003	26.39	UG/L
30)	1,3-DICLBENZENE	33.27	5722251	19.91	UG/L
31)	1,4-DICLBENZENE	33.43	6839075	20.23	UG/L
32)	1,2-DICLBENZENE	34.04	6326195	20.23	UG/L
35)	11DCE #2	9.47	338818	14.59	UG/L
36)	ACETONE #2	9.97	885276	221.82	UG/L
37)	MTBE #2	13.11	965386	98.11	UG/L
38)	MEK #2	17.04	1989610	223.50	UG/L
39)	CIS-1,2-DCE #2	16.84	669548	16.67	UG/L
40)	BENZENE #2	19.55	1452394	16.69	UG/L
41)	TRICHLOROETHENE #2	21.41	773209	16.45	UG/L
42)	TOLUENE #2	24.77	1376085	17.09	UG/L
43)	TETRACHLOROETHENE #2	26.14	611691	16.48	UG/L
44)	CHLOROBENZENE #2	28.25	1451961	17.31	UG/L
45)	ETHYLBENZENE #2	28.51	1231197	16.98	UG/L
46)	M/P XYLENE #2	28.80	2693579	33.91	UG/L
48)	O-XYLENE #2	29.76	1169654	17.12	UG/L
50)	1,3 - DICHLOROBENZENE #2	33.25	1245591	17.55	UG/L
51)	1,4 - DICHLOROBENZENE #2	33.41	1273165	17.81	UG/L
52)	1,2 - DICHLOROBENZENE #2	34.01	1079106	17.87	UG/L

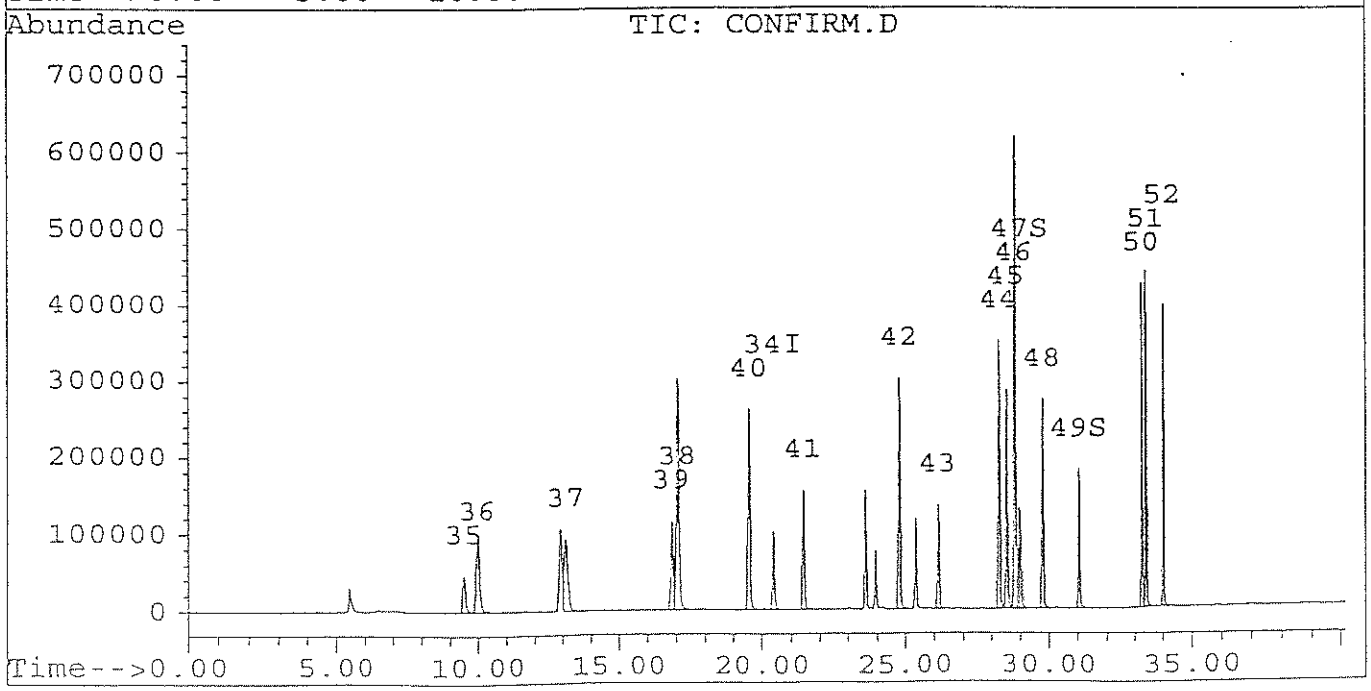
(f)=RT Delta > 1/2 Window (m)=manual int.

Signal #1 : C:\HPCHEM\5\DATA\052698\0901009.D Vial: 9
Signal #2 : C:\HPCHEM\5\DATA\052698\0901009.D\CONFIRM.D
Acq On : 26 May 98 04:32 PM Operator:
Sample : Mid CCV Inst : GC 1
Misc : V1-15-20 Multiplr: 1.00
Quant Time: May 27 8:28 1998

Method : C:\HPCHEM\5\METHODS\1-043098.M
Title :
Last Update : Wed May 06 08:35:54 1998
Response via : Multiple Level Calibration

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\052698\1901019.D Vial: 19
Signal #2 : C:\HPCHEM\5\DATA\052698\1901019.D\CONFIRM.D
Acq On : 27 May 98 01:15 AM Operator:
Sample : END CCV Inst : GC 1
Misc : V1-15-20 Multiplr: 1.00
Quant Time: May 27 8:28 1998

Method : C:\HPCHEM\5\METHODS\1-043098.M
Title :
Last Update : Wed May 06 08:35:54 1998
Response via : Multiple Level Calibration

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

		Compound	R.T.	Response	Conc Units
		Internal Standards			
1)		1-CL, 2-FLBENZENE(IS)	28.99	2003407	10.00 UG/L
34)	I	FLUOROBENZENE (IS) #2	20.39	508279	10.00 UG/L
		System Monitoring Compounds			
28)	S	BFB	31.06	1341440	10.29 UG/L
			Recovery	=	102.90%
47)	S	1-CL, 2-FLBENZENE #2	28.97	549336	10.12 UG/L
			Recovery	=	101.20%
49)	S	BFB #2	31.04	697040	9.30 UG/L
			Recovery	=	93.00%
		Target Compounds			
2)		DCDFM	4.61	4599440	19.51 UG/L
3)		CHLOROMETHANE	5.13	5535677	19.06 UG/L
4)		VINYL CHLORIDE	5.46	4032756	16.33 UG/L
5)		BROMOMETHANE	6.44	2160531	17.21 UG/L
6)		CHLOROETHANE	6.74	4046258	18.47 UG/L
7)		TCFM	7.59	6146722	20.67 UG/L
8)		FREON-113/1,1-DCE	9.54	9230134	40.67 UG/L
9)		DCM	11.70	6298352	20.55 UG/L
10)		TRANS-1,2-DCE	12.96	5421214	20.50 UG/L
11)		1,1-DCA	14.72	8602000	21.17 UG/L
12)		CIS-1,2-DCE	16.87	8664209	21.23 UG/L
13)		CHLOROFORM	17.97	10888726	21.81 UG/L
14)		1,1,1-TCA	18.44	9836910	21.39 UG/L
15)		CARBON TETRACL	18.94	11032739	21.39 UG/L
16)		1,2-DCA	19.66	9071089	22.49 UG/L
17)		TCE	21.44	9013305	21.12 UG/L
18)		1,2-DCPA	22.03	8127388	21.75 UG/L
19)		BRODICLMETHANE	22.81	10265353	22.24 UG/L
20)		2-CHLOROETHYLVINYLETHER	23.62	2889477	13.54 UG/L
21)		CIS-1,3-DCPE	23.96	7109893	21.48 UG/L
22)		TRANS-1,3-DCPE	25.36	6613541	21.97 UG/L
23)		1,1,2-TCA	25.81	9452375	23.35 UG/L
24)		PCE	26.15	10355000	22.43 UG.L
25)		DIBROCLMETHANE	26.78	6532217	22.03 UG/L
26)		CHLOROBENZENE	28.26	4166922	21.93 UG/L

(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\052698\1901019.D Vial: 19
Signal #2 : C:\HPCHEM\5\DATA\052698\1901019.D\CONFIRM.D
Acq On : 27 May 98 01:15 AM Operator:
Sample : END CCV Inst : GC 1
Misc : V1-15-20 Multiplr: 1.00
Quant Time: May 27 8:28 1998

Method : C:\HPCHEM\5\METHODS\1-043098.M
Title :
Last Update : Wed May 06 08:35:54 1998
Response via : Multiple Level Calibration

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

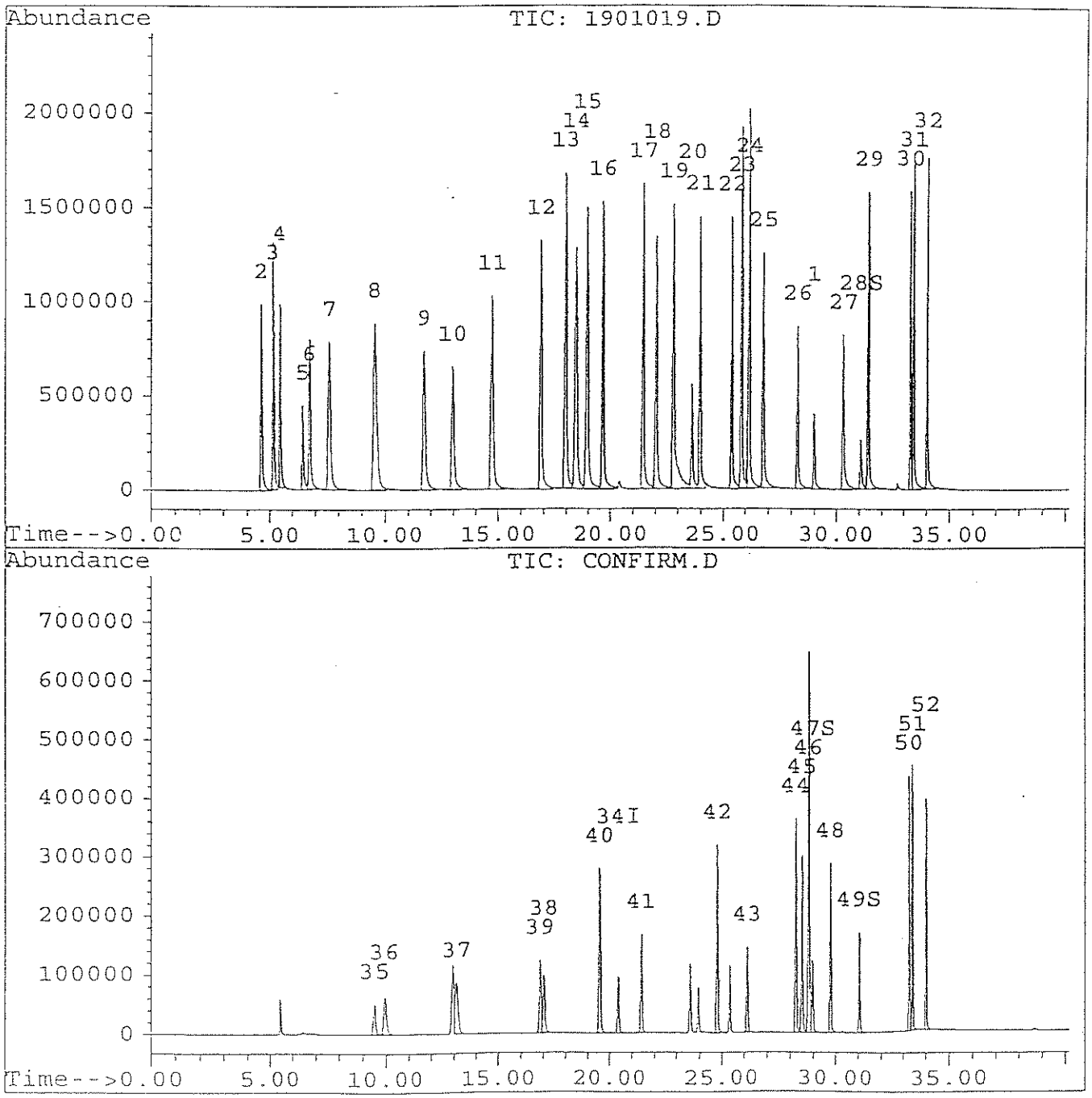
	Compound	R.T.	Response	Conc	Units
27)	BROMOFORM	30.28	4446242	22.13	UG/L
29)	1,1,2,2-PCA	31.40	7331101	23.50	UG/L
30)	1,3-DICLBENZENE	33.28	5097658	21.47	UG/L
31)	1,4-DICLBENZENE	33.43	6265442	22.44	UG/L
32)	1,2-DICLBENZENE	34.03	5656509	21.90	UG/L
35)	11DCE #2	9.50	370112	16.97	UG/L
36)	ACETONE #2	9.94	529120	141.14	UG/L
37)	MTBE #2	13.12	834103	90.24	UG/L
38)	MEK #2	17.02	646823	77.35	UG/L
39)	CIS-1,2-DCE #2	16.85	700525	18.57	UG/L
40)	BENZENE #2	19.55	1553408	19.00	UG/L
41)	TRICHLOROETHENE #2	21.42	845307	19.15	UG/L
42)	TOLUENE #2	24.77	1448591	19.15	UG/L
43)	TETRACHLOROETHENE #2	26.13	651939	18.69	UG/L
44)	CHLOROBENZENE #2	28.24	1522095	19.32	UG/L
45)	ETHYLBENZENE #2	28.51	1309816	19.23	UG/L
46)	M/P XYLENE #2	28.80	2862436	38.36	UG/L
48)	O-XYLENE #2	29.76	1234303	19.24	UG/L
50)	1,3 - DICHLOROBENZENE #2	33.26	1284986	19.27	UG/L
51)	1,4 - DICHLOROBENZENE #2	33.41	1302442	19.40	UG/L
52)	1,2 - DICHLOROBENZENE #2	34.01	1083631	19.10	UG/L

(f)=RT Delta > 1/2 Window (m)=manual int.

Signal #1 : C:\HPCHEM\5\DATA\052698\1901019.D Vial: 19
Signal #2 : C:\HPCHEM\5\DATA\052698\1901019.D\CONFIRM.D
Acq On : 27 May 98 01:15 AM Operator:
Sample : END CCV Inst : GC 1
Misc : V1-15-20 Multiplr: 1.00
Quant Time: May 27 8:28 1998

Method : C:\HPCHEM\5\METHODS\1-043098.M
Title :
Last Update : Wed May 06 08:35:54 1998
Response via : Multiple Level Calibration

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\052698\0201002.D Vial: 2
Signal #2 : C:\HPCHEM\5\DATA\052698\0201002.D\CONFIRM.D
Acq On : 26 May 98 10:24 AM Operator:
Sample : BLANK 5ml Inst : GC 1
Misc : Multiplr: 1.00
Quant Time: May 26 12:46 1998

Method : C:\HPCHEM\5\METHODS\1-043098.M
Title :
Last Update : Wed May 06 08:35:54 1998
Response via : Multiple Level Calibration

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

		Compound	R.T.	Response	Conc Units
		Internal Standards			
1)		1-CL, 2-FLBENZENE(IS)	29.01	1764227	10.00 UG/L
34)	I	FLUOROBENZENE (IS) #2	20.41	563593	10.00 UG/L
		System Monitoring Compounds			
28)	S	BFB	31.08	1176094	10.25 UG/L
			Recovery	=	102.50%
47)	S	1-CL, 2-FLBENZENE #2	28.98	540839	8.99 UG/L
			Recovery	=	89.90%
49)	S	BFB #2	31.05f	754028	9.07 UG/L
			Recovery	=	90.70%
		Target Compounds			
2)		DCDFM	0.00	0	N.D. UG/L
3)		CHLOROMETHANE	0.00	0	N.D. UG/L
4)		VINYL CHLORIDE	0.00	0	N.D. UG/L
5)		BROMOMETHANE	0.00	0	N.D. UG/L
6)		CHLOROETHANE	0.00	0	N.D. UG/L
7)		TCFM	0.00	0	N.D. UG/L
8)		FREON-113/1,1-DCE	0.00	0	N.D. UG/L
9)		DCM	11.76f	5056	0.02 UG/L
10)		TRANS-1,2-DCE	0.00	0	N.D. UG/L
11)		1,1-DCA	0.00	0	N.D. UG/L
12)		CIS-1,2-DCE	0.00	0	N.D. UG/L
13)		CHLOROFORM	0.00	0	N.D. UG/L
14)		1,1,1-TCA	0.00	0	N.D. UG/L
15)		CARBON TETRACL	0.00	0	N.D. UG/L
16)		1,2-DCA	0.00	0	N.D. UG/L
17)		TCE	0.00	0	N.D. UG/L
18)		1,2-DCPA	0.00	0	N.D. UG/L
19)		BRODICLMETHANE	0.00	0	N.D. UG/L
20)		2-CHLOROETHYLVINYLETHER	0.00	0	N.D. UG/L
21)		CIS-1,3-DCPE	0.00	0	N.D. UG/L
22)		TRANS-1,3-DCPE	0.00	0	N.D. UG/L
23)		1,1,2-TCA	0.00	0	N.D. UG/L
24)		PCE	0.00	0	N.D. UG.L
25)		DIBROCLMETHANE	0.00	0	N.D. UG/L
26)		CHLOROBENZENE	0.00	0	N.D. UG/L

(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\052698\0201002.D Vial: 2
Signal #2 : C:\HPCHEM\5\DATA\052698\0201002.D\CONFIRM.D
Acq On : 26 May 98 10:24 AM Operator:
Sample : BLANK 5ml Inst : GC 1
Misc : Multiplr: 1.00
Quant Time: May 26 12:46 1998

Method : C:\HPCHEM\5\METHODS\1-043098.M
Title :
Last Update : Wed May 06 08:35:54 1998
Response via : Multiple Level Calibration

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

		Compound	R.T.	Response	Conc Units
		Internal Standards			
1)		1-CL, 2-FLBENZENE(IS)	29.01	1764227	10.00 UG/L
34)	I	FLUOROBENZENE (IS) #2	20.41	563593	10.00 UG/L
		System Monitoring Compounds			
28)	S	BFB	31.08	1176094	10.25 UG/L
			Recovery	=	102.50%
47)	S	1-CL, 2-FLBENZENE #2	28.98	540839	8.99 UG/L
			Recovery	=	89.90%
49)	S	BFB #2	31.05f	754028	9.07 UG/L
			Recovery	=	90.70%
		Target Compounds			
2)		DCDFM	0.00	0	N.D. UG/L
3)		CHLOROMETHANE	0.00	0	N.D. UG/L
4)		VINYL CHLORIDE	0.00	0	N.D. UG/L
5)		BROMOMETHANE	0.00	0	N.D. UG/L
6)		CHLOROETHANE	0.00	0	N.D. UG/L
7)		TCFM	0.00	0	N.D. UG/L
8)		FREON-113/1,1-DCE	0.00	0	N.D. UG/L
9)		DCM	11.76f	5056	0.02 UG/L
10)		TRANS-1,2-DCE	0.00	0	N.D. UG/L
11)		1,1-DCA	0.00	0	N.D. UG/L
12)		CIS-1,2-DCE	0.00	0	N.D. UG/L
13)		CHLOROFORM	0.00	0	N.D. UG/L
14)		1,1,1-TCA	0.00	0	N.D. UG/L
15)		CARBON TETRACL	0.00	0	N.D. UG/L
16)		1,2-DCA	0.00	0	N.D. UG/L
17)		TCE	0.00	0	N.D. UG/L
18)		1,2-DCPA	0.00	0	N.D. UG/L
19)		BRODICLMETHANE	0.00	0	N.D. UG/L
20)		2-CHLOROETHYLVINYLETHER	0.00	0	N.D. UG/L
21)		CIS-1,3-DCPE	0.00	0	N.D. UG/L
22)		TRANS-1,3-DCPE	0.00	0	N.D. UG/L
23)		1,1,2-TCA	0.00	0	N.D. UG/L
24)		PCE	0.00	0	N.D. UG.L
25)		DIBROCLMETHANE	0.00	0	N.D. UG/L
26)		CHLOROBENZENE	0.00	0	N.D. UG/L

(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\052698\0201002.D Vial: 2
Signal #2 : C:\HPCHEM\5\DATA\052698\0201002.D\CONFIRM.D
Acq On : 26 May 98 10:24 AM Operator:
Sample : BLANK 5ml Inst : GC 1
Misc : Multiplr: 1.00
Quant Time: May 26 12:46 1998

Method : C:\HPCHEM\5\METHODS\1-043098.M
Title :
Last Update : Wed May 06 08:35:54 1998
Response via : Multiple Level Calibration

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

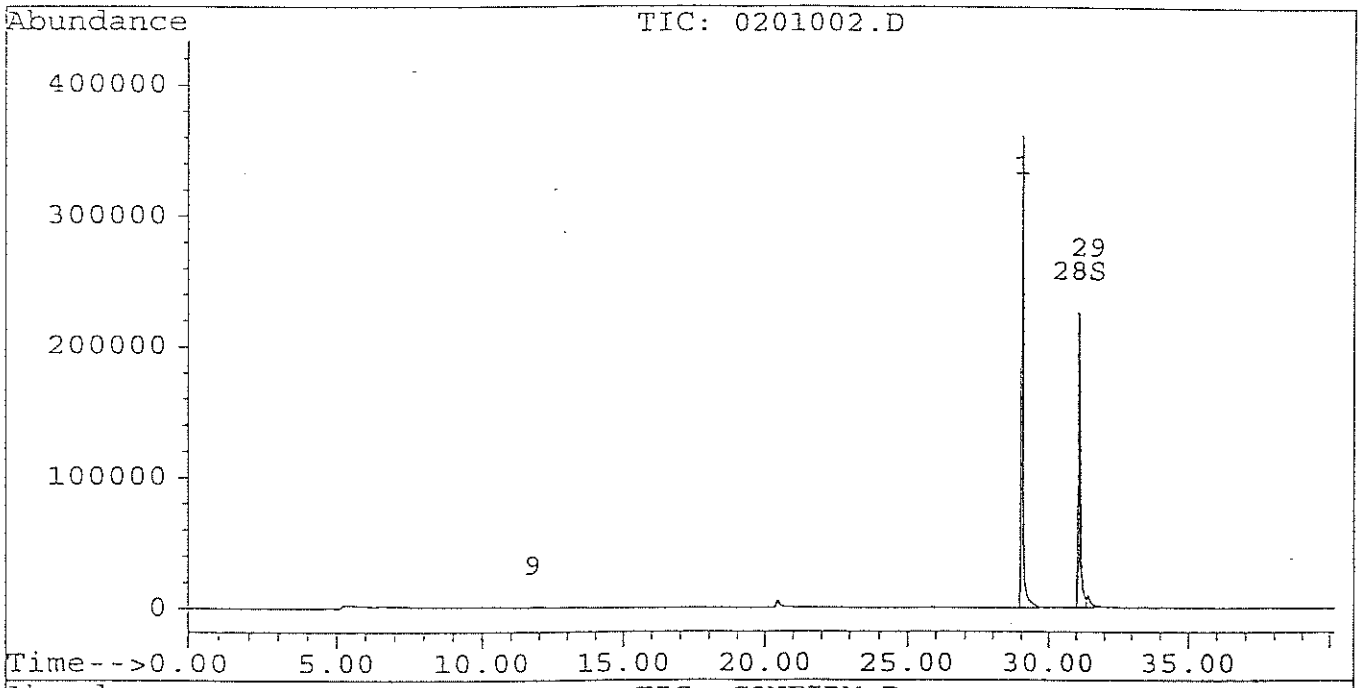
	Compound	R.T.	Response	Conc Units
27)	BROMOFORM	0.00	0	N.D. UG/L
29)	1,1,2,2-PCA	31.42f	93894	0.34 UG/L
30)	1,3-DICLBENZENE	0.00	0	N.D. UG/L
31)	1,4-DICLBENZENE	0.00	0	N.D. UG/L
32)	1,2-DICLBENZENE	0.00	0	N.D. UG/L
35)	11DCE #2	0.00	0	N.D. UG/L
36)	ACETONE #2	9.94	13171	3.17 UG/L
37)	MTBE #2	0.00	0	N.D. UG/L
38)	MEK #2	17.06	14929	1.61 UG/L
39)	CIS-1,2-DCE #2	0.00	0	N.D. UG/L
40)	BENZENE #2	0.00	0	N.D. UG/L
41)	TRICHLOROETHENE #2	0.00	0	N.D. UG/L
42)	TOLUENE #2	0.00	0	N.D. UG/L
43)	TETRACHLOROETHENE #2	0.00	0	N.D. UG/L
44)	CHLOROBENZENE #2	0.00	0	N.D. UG/L
45)	ETHYLBENZENE #2	0.00	0	N.D. UG/L
46)	M/P XYLENE #2	0.00	0	N.D. UG/L
48)	O-XYLENE #2	0.00	0	N.D. UG/L
50)	1,3 - DICHLOROBENZENE #2	33.12f	9271	0.13 UG/L
51)	1,4 - DICHLOROBENZENE #2	0.00	0	N.D. UG/L
52)	1,2 - DICHLOROBENZENE #2	34.03	8463	0.13 UG/L

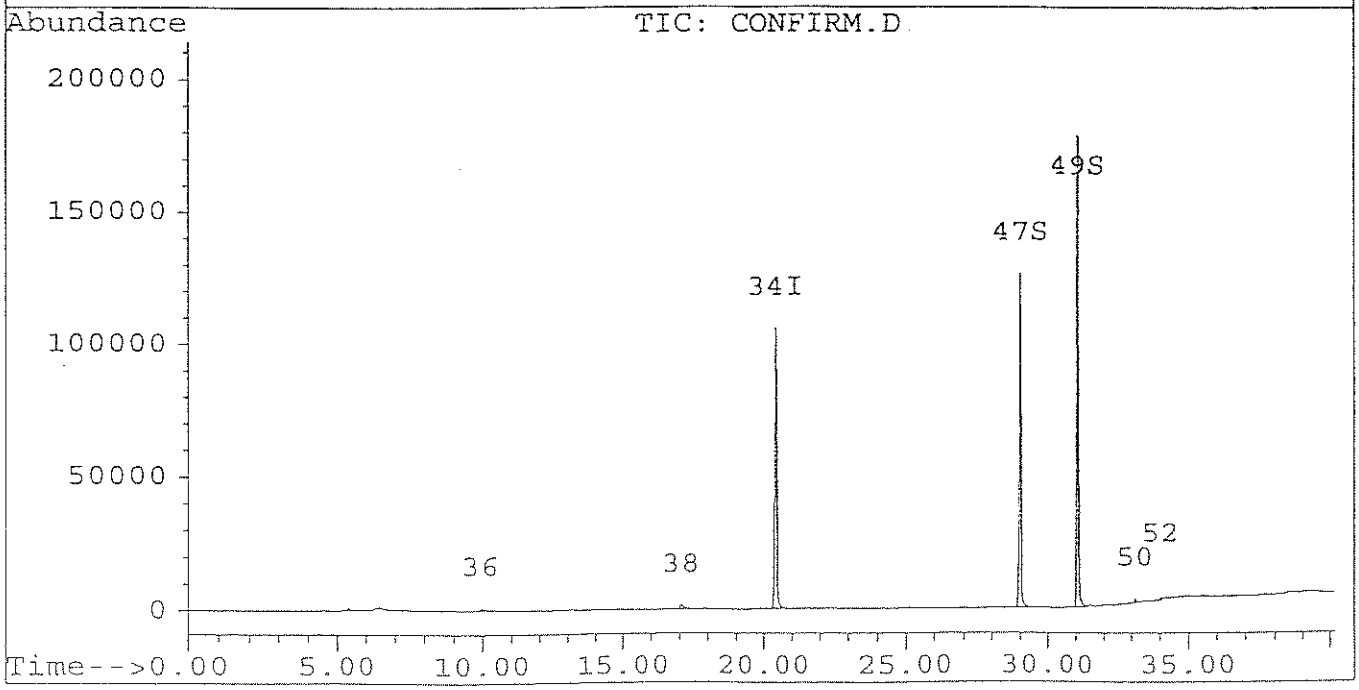
Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\052698\0201002.D Vial: 2
Signal #2 : C:\HPCHEM\5\DATA\052698\0201002.D\CONFIRM.D
Acq On : 26 May 98 10:24 AM Operator:
Sample : BLANK 5ml Inst : GC 1
Misc : Multiplr: 1.00
Quant Time: May 26 12:46 1998

Method : C:\HPCHEM\5\METHODS\1-043098.M
Title :
Last Update : Wed May 06 08:35:54 1998
Response via : Multiple Level Calibration

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\052698\0701007.D Vial: 7
Signal #2 : C:\HPCHEM\5\DATA\052698\0701007.D\CONFIRM.D
Acq On : 26 May 98 02:45 PM Operator:
Sample : 805113-2 MS Inst : GC 1
Misc : Multiplr: 1.00
Quant Time: May 26 15:40 1998

Method : C:\HPCHEM\5\METHODS\1-043098.M
Title :
Last Update : Wed May 06 08:35:54 1998
Response via : Multiple Level Calibration

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

		Compound	R.T.	Response	Conc Units
		Internal Standards			
1)		1-CL, 2-FLBENZENE(IS)	29.00	2254729	10.00 UG/L
34)	I	FLUOROBENZENE (IS) #2	20.40	519735	10.00 UG/L
		System Monitoring Compounds			
28)	S	BFB	31.08	1500099	10.23 UG/L
			Recovery	=	102.30%
47)	S	1-CL, 2-FLBENZENE #2	28.98	568590	10.25 UG/L
			Recovery	=	102.50%
49)	S	BFB #2	31.05f	709120	9.25 UG/L
			Recovery	=	92.50%
		Target Compounds			
2)		DCDFM	4.66f	8235089	31.04 UG/L
3)		CHLOROMETHANE	5.15	6844226	20.94 UG/L
4)		VINYL CHLORIDE	5.47	4955347	17.83 UG/L
5)		BROMOMETHANE	6.46	2549443	18.05 UG/L
6)		CHLOROETHANE	6.75	5245220	21.27 UG/L
7)		TCFM	7.59	7864000	23.50 UG/L
8)		FREON-113/1,1-DCE	9.54	11560215	45.26 UG/L
9)		DCM	11.69	7929993	22.99 UG/L
10)		TRANS-1,2-DCE	12.96	6582412	22.12 UG/L
11)		1,1-DCA	14.72	7430952	16.25 UG/L
12)		CIS-1,2-DCE	16.88	10384293	22.61 UG/L
13)		CHLOROFORM	17.99	18662431	33.21 UG/L
14)		1,1,1-TCA	18.46	11935642	23.06 UG/L
15)		CARBON TETRACL	18.96	13518754	23.28 UG/L
16)		1,2-DCA	19.67	10907547	24.03 UG/L
17)		TCE	21.45	12152586	25.30 UG/L
18)		1,2-DCPA	22.04	10024439	23.84 UG/L
19)		BRODICLMETHANE	22.81	9727039	18.72 UG/L
20)		2-CHLOROETHYLVINYLETHER	23.60	53518	0.22 UG/L
21)		CIS-1,3-DCPE	23.96	8782845	23.58 UG/L
22)		TRANS-1,3-DCPE	25.37	8362639	24.68 UG/L
23)		1,1,2-TCA	25.82	11470302	25.17 UG/L
24)		PCE	26.17	16992441	32.71 UG/L
25)		DIBROCLMETHANE	26.80	8196388	24.56 UG/L
26)		CHLOROBENZENE	28.27	5119894	23.94 UG/L

(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\052698\0701007.D Vial: 7
Signal #2 : C:\HPCHEM\5\DATA\052698\0701007.D\CONFIRM.D
Acq On : 26 May 98 02:45 PM Operator:
Sample : 805113-2 MS Inst : GC 1
Misc : Multiplr: 1.00
Quant Time: May 26 15:40 1998

Method : C:\HPCHEM\5\METHODS\1-043098.M
Title :
Last Update : Wed May 06 08:35:54 1998
Response via : Multiple Level Calibration

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

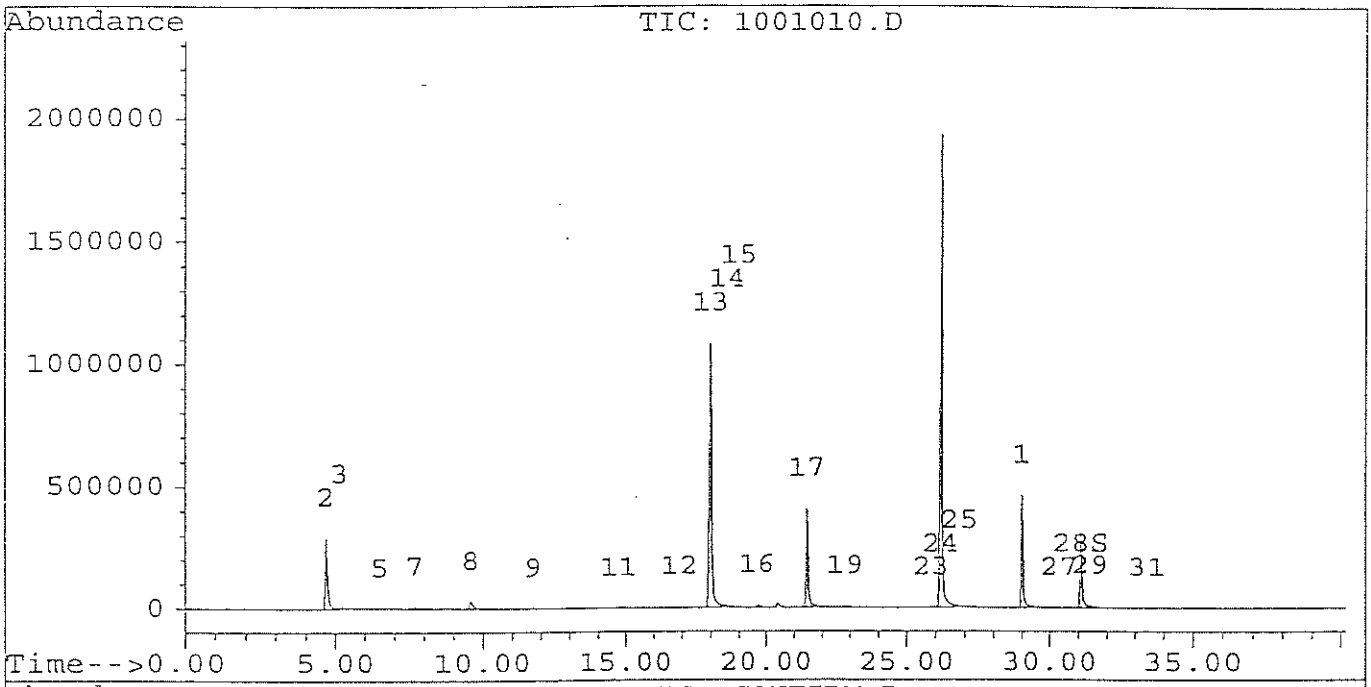
	Compound	R.T.	Response	Conc	Units
27)	BROMOFORM	30.29	5374989	23.77	UG/L
29)	1,1,2,2-PCA	31.41	9064727	25.82	UG/L
30)	1,3-DICLBENZENE	33.28	6190689	23.17	UG/L
31)	1,4-DICLBENZENE	33.43	7498490	23.86	UG/L
32)	1,2-DICLBENZENE	34.04	7070635	24.33	UG/L
35)	11DCE #2	9.51	419250	18.80	UG/L
36)	ACETONE #2	9.96	883890	230.58	UG/L
37)	MTBE #2	13.12	1018522	107.76	UG/L
38)	MEK #2	17.04	2059527	240.86	UG/L
39)	CIS-1,2-DCE #2	16.86	782242	20.27	UG/L
40)	BENZENE #2	19.57	1697943	20.31	UG/L
41)	TRICHLOROETHENE #2	21.43	1024189	22.69	UG/L
42)	TOLUENE #2	24.77	1591623	20.58	UG/L
43)	TETRACHLOROETHENE #2	26.15	1016052	28.49	UG/L
44)	CHLOROBENZENE #2	28.25	1658937	20.59	UG/L
45)	ETHYLBENZENE #2	28.52	1433276	20.58	UG/L
46)	M/P XYLENE #2	28.81	3129311	41.01	UG/L
48)	O-XYLENE #2	29.77	1350848	20.59	UG/L
50)	1,3 - DICHLOROBENZENE #2	33.26	1396945	20.49	UG/L
51)	1,4 - DICHLOROBENZENE #2	33.41	1409328	20.52	UG/L
52)	1,2 - DICHLOROBENZENE #2	34.02	1177766	20.30	UG/L

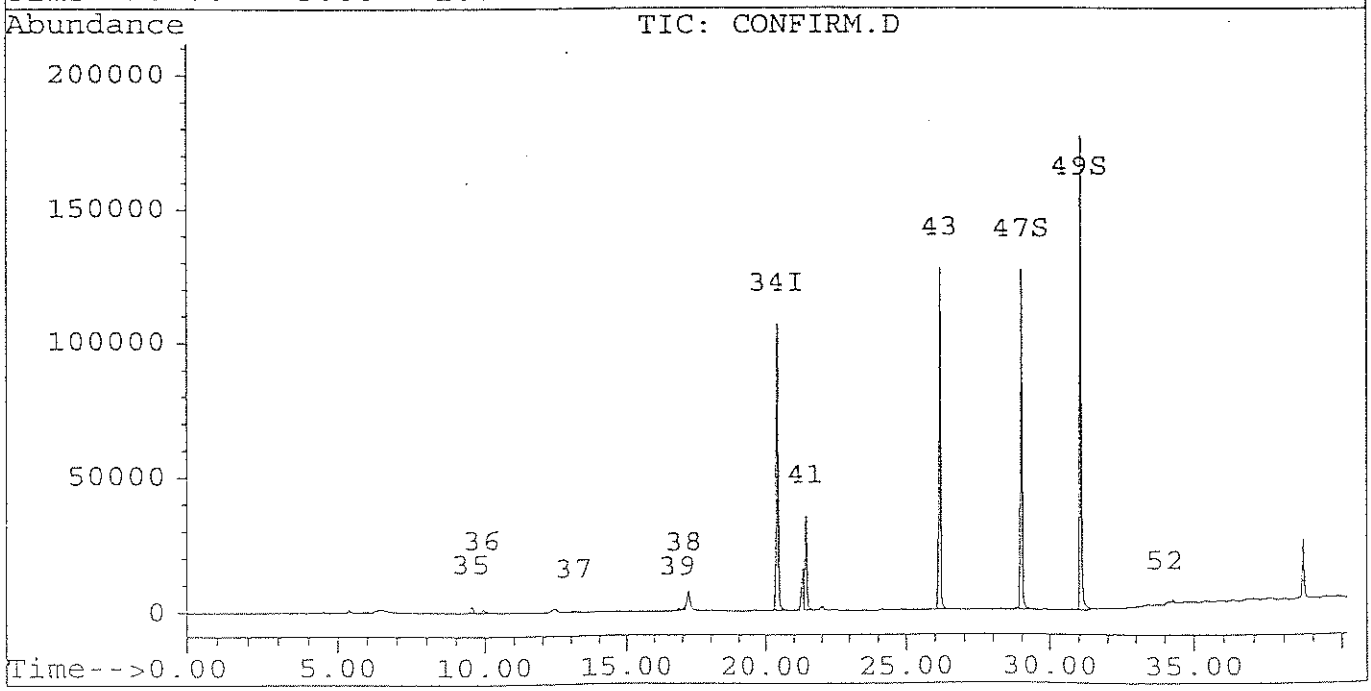
Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\052698\1001010.D Vial: 10
Signal #2 : C:\HPCHEM\5\DATA\052698\1001010.D\CONFIRM.D
Acq On : 26 May 98 05:26 PM Operator:
Sample : 805113-3 5ml Inst : GC 1
Misc : Multiplr: 1.00
Quant Time: May 27 8:49 1998

Method : C:\HPCHEM\5\METHODS\1-043098.M
Title :
Last Update : Wed May 06 08:35:54 1998
Response via : Multiple Level Calibration

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\052698\1101011.D Vial: 11
Signal #2 : C:\HPCHEM\5\DATA\052698\1101011.D\CONFIRM.D
Acq On : 26 May 98 06:19 PM Operator:
Sample : 805113-4 5ml Inst : GC 1
Misc : Multiplr: 1.00
Quant Time: May 27 8:49 1998

Method : C:\HPCHEM\5\METHODS\1-043098.M
Title :
Last Update : Wed May 06 08:35:54 1998
Response via : Multiple Level Calibration

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

		Compound	R.T.	Response	Conc Units
		Internal Standards			
1)		1-CL, 2-FLBENZENE(IS)	29.00	2081256	10.00 UG/L
34)	I	FLUOROBENZENE (IS) #2	20.39	561869	10.00 UG/L
		System Monitoring Compounds			
28)	S	BFB	31.07	1486924	10.98 UG/L
			Recovery	=	109.80%
47)	S	1-CL, 2-FLBENZENE #2	28.97	537639	8.96 UG/L
			Recovery	=	89.60%
49)	S	BFB #2	31.04	757156	9.13 UG/L
			Recovery	=	91.30%
		Target Compounds			
2)		DCDFM	4.67f	138946	0.57 UG/L m
3)		CHLOROMETHANE	5.18f	54974	0.18 UG/L
4)		VINYL CHLORIDE	5.47	55176	0.22 UG/L
5)		BROMOMETHANE	0.00	0	N.D. UG/L
6)		CHLOROETHANE	6.80f	16186	0.07 UG/L
7)		TCFM	0.00	0	N.D. UG/L
8)		FREON-113/1,1-DCE	9.59	23500	0.10 UG/L
9)		DCM	11.71	80988	0.25 UG/L
10)		TRANS-1,2-DCE	0.00	0	N.D. UG/L
11)		1,1-DCA	14.73	28511	0.07 UG/L
12)		CIS-1,2-DCE	16.87	7508	0.02 UG/L
13)		CHLOROFORM	17.98	1170940	2.26 UG/L
14)		1,1,1-TCA	0.00	0	N.D. UG/L
15)		CARBON TETRACL	0.00	0	N.D. UG/L
16)		1,2-DCA	19.68	118666	0.28 UG/L
17)		TCE	21.45	633117	1.43 UG/L
18)		1,2-DCPA	0.00	0	N.D. UG/L
19)		BRODICLMETHANE	22.83	5508	0.01 UG/L
20)		2-CHLOROETHYLVINYLETHER	0.00	0	N.D. UG/L
21)		CIS-1,3-DCPE	0.00	0	N.D. UG/L
22)		TRANS-1,3-DCPE	0.00	0	N.D. UG/L
23)		1,1,2-TCA	0.00	0	N.D. UG/L
24)		PCE	26.17	430988	0.90 UG.L
25)		DIBROCLMETHANE	0.00	0	N.D. UG/L
26)		CHLOROBENZENE	0.00	0	N.D. UG/L

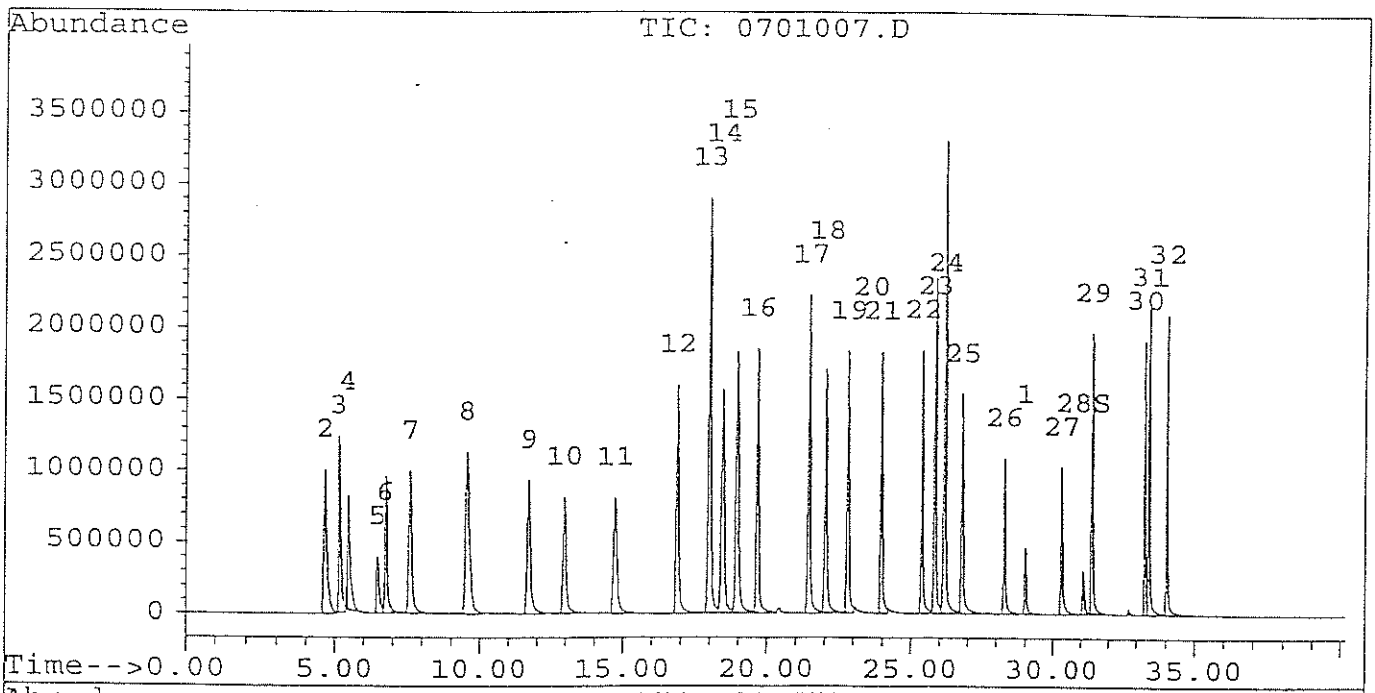
(f)=RT Delta > 1/2 Window (m)=manual int.

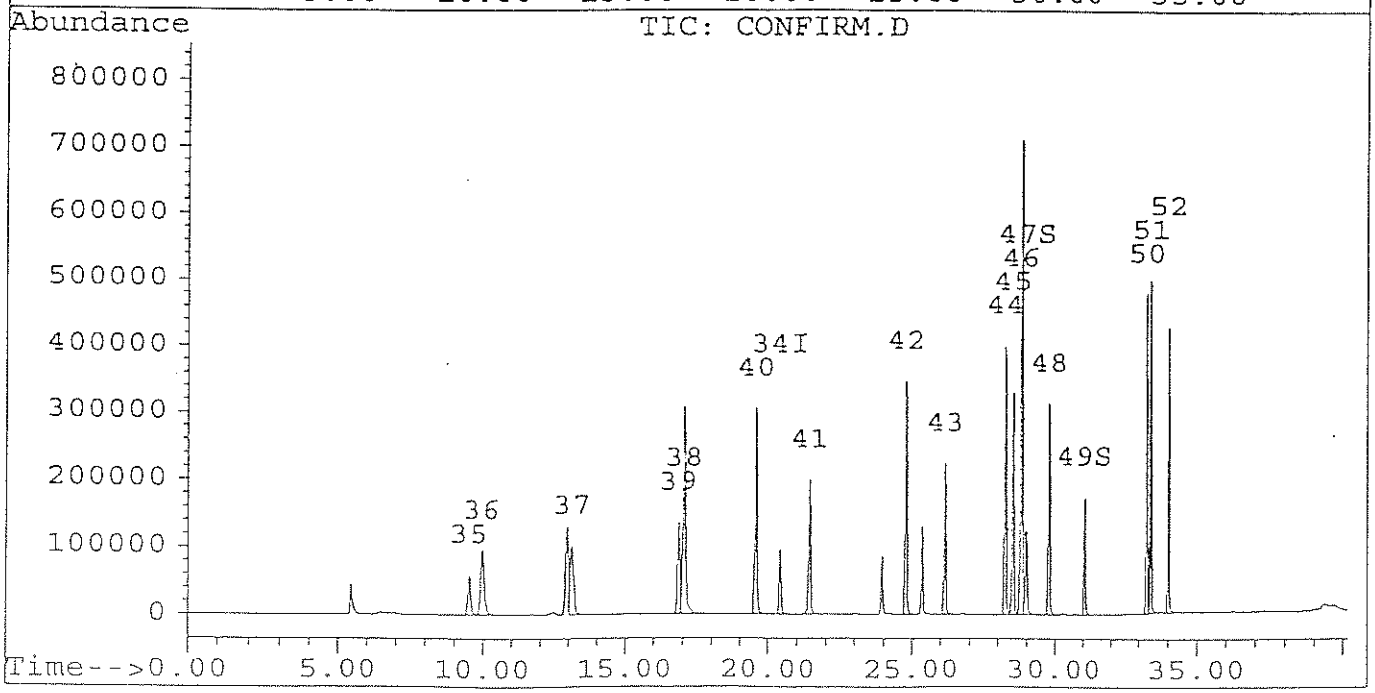
Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\052698\0701007.D Vial: 7
Signal #2 : C:\HPCHEM\5\DATA\052698\0701007.D\CONFIRM.D
Acq On : 26 May 98 02:45 PM Operator:
Sample : 805113-2 MS Inst : GC 1
Misc : Multiplr: 1.00
Quant Time: May 26 15:40 1998

Method : C:\HPCHEM\5\METHODS\1-043098.M
Title :
Last Update : Wed May 06 08:35:54 1998
Response via : Multiple Level Calibration

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\052698\0801008.D Vial: 8
Signal #2 : C:\HPCHEM\5\DATA\052698\0801008.D\CONFIRM.D
Acq On : 26 May 98 03:38 PM Operator:
Sample : 805113-2 MSD Inst : GC 1
Misc : Multiplr: 1.00
Quant Time: May 26 16:36 1998

Method : C:\HPCHEM\5\METHODS\1-043098.M
Title :
Last Update : Wed May 06 08:35:54 1998
Response via : Multiple Level Calibration

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

		Compound	R.T.	Response	Conc Units
		Internal Standards			
1)		1-CL, 2-FLBENZENE(IS)	29.00	2352165	10.00 UG/L
34)	I	FLUOROBENZENE (IS) #2	20.38	533721	10.00 UG/L
		System Monitoring Compounds			
28)	S	BFB	31.07	1644929	10.75 UG/L
			Recovery	=	107.50%
47)	S	1-CL, 2-FLBENZENE #2	28.98	576896	10.13 UG/L
			Recovery	=	101.30%
49)	S	BFB #2	31.04	723020	9.18 UG/L
			Recovery	=	91.80%
		Target Compounds			
2)		DCDFM	4.64f	8173092	29.53 UG/L
3)		CHLOROMETHANE	5.14	6857841	20.11 UG/L
4)		VINYL CHLORIDE	5.46	5496100	18.95 UG/L
5)		BROMOMETHANE	6.44	2805889	19.04 UG/L
6)		CHLOROETHANE	6.74	5387406	20.94 UG/L
7)		TCFM	7.57	7642261	21.89 UG/L
8)		FREON-113/1,1-DCE	9.51	11760972	44.14 UG/L
9)		DCM	11.67	8035730	22.34 UG/L
10)		TRANS-1,2-DCE	12.93	6894353	22.21 UG/L
11)		1,1-DCA	14.70	6887366	14.44 UG/L
12)		CIS-1,2-DCE	16.86	10576162	22.07 UG/L
13)		CHLOROFORM	17.98	18985905	32.39 UG/L
14)		1,1,1-TCA	18.45	12298133	22.77 UG/L
15)		CARBON TETRACL	18.94	13743195	22.69 UG/L
16)		1,2-DCA	19.67	11244846	23.75 UG/L
17)		TCE	21.44	12114145	24.18 UG/L
18)		1,2-DCPA	22.03	10112550	23.05 UG/L
19)		BRODICLMETHANE	22.80	9800203	18.08 UG/L
20)		2-CHLOROETHYLVINYLETHER	0.00	0	N.D. UG/L
21)		CIS-1,3-DCPE	23.95	8737643	22.48 UG/L
22)		TRANS-1,3-DCPE	25.36	8374515	23.69 UG/L
23)		1,1,2-TCA	25.82	11646661	24.50 UG/L
24)		PCE	26.16	17241075	31.81 UG.L
25)		DIBROCLMETHANE	26.79	8399384	24.12 UG/L
26)		CHLOROBENZENE	28.27	5181518	23.22 UG/L

(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\052698\0801008.D Vial: 8
Signal #2 : C:\HPCHEM\5\DATA\052698\0801008.D\CONFIRM.D
Acq On : 26 May 98 03:38 PM Operator:
Sample : 805113-2 MSD Inst : GC 1
Misc : Multiplr: 1.00
Quant Time: May 26 16:36 1998

Method : C:\HPCHEM\5\METHODS\1-043098.M
Title :
Last Update : Wed May 06 08:35:54 1998
Response via : Multiple Level Calibration

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

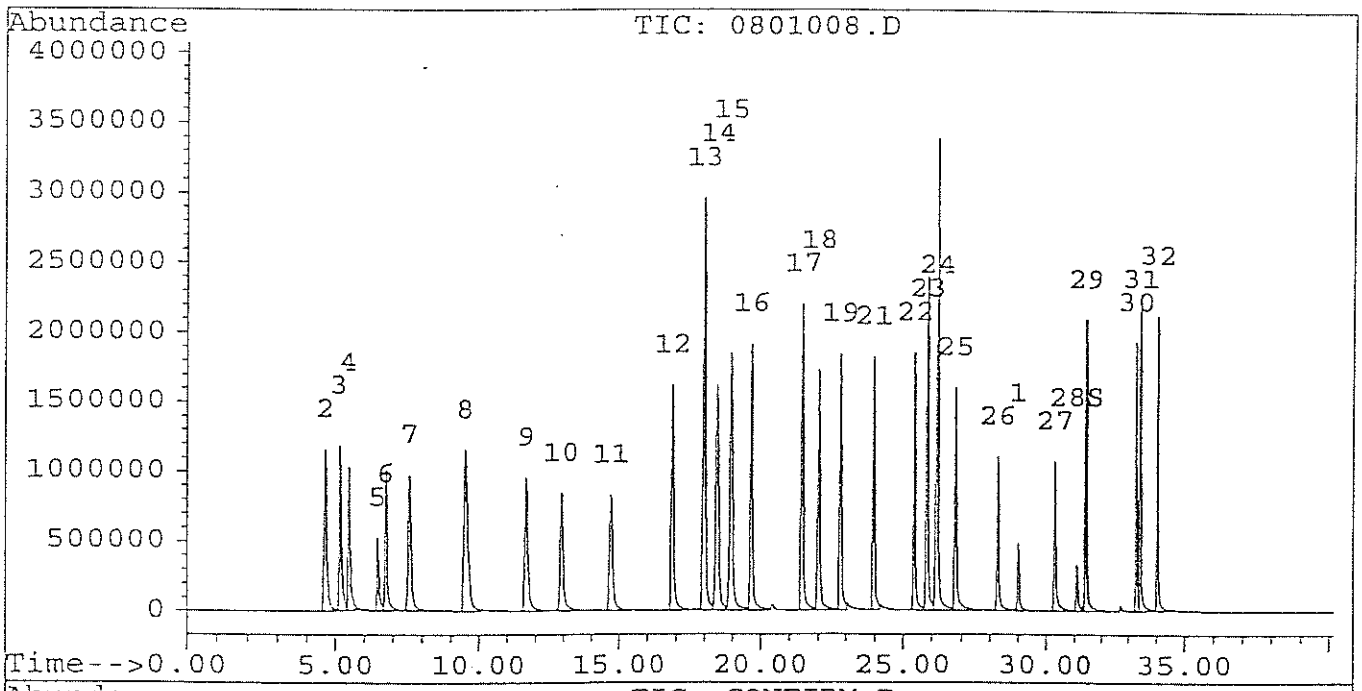
	Compound	R.T.	Response	Conc	Units
27)	BROMOFORM	30.29	5494757	23.29	UG/L
29)	1,1,2,2-PCA	31.41	9841755	26.87	UG/L
30)	1,3-DICLBENZENE	33.28	6263527	22.47	UG/L
31)	1,4-DICLBENZENE	33.43	7614103	23.22	UG/L
32)	1,2-DICLBENZENE	34.03	6830847	22.53	UG/L
35)	11DCE #2	9.48	408159	17.82	UG/L
36)	ACETONE #2	9.95	838140	212.91	UG/L
37)	MTBE #2	13.10	1025372	105.64	UG/L
38)	MEK #2	17.04	1582709	180.25	UG/L
39)	CIS-1,2-DCE #2	16.84	775942	19.58	UG/L
40)	BENZENE #2	19.55	1674002	19.50	UG/L
41)	TRICHLOROETHENE #2	21.42	996635	21.50	UG/L
42)	TOLUENE #2	24.77	1579765	19.89	UG/L
43)	TETRACHLOROETHENE #2	26.14	1002577	27.38	UG/L
44)	CHLOROBENZENE #2	28.25	1645906	19.89	UG/L
45)	ETHYLBENZENE #2	28.51	1416341	19.80	UG/L
46)	M/P XYLENE #2	28.80	3099947	39.56	UG/L
48)	O-XYLENE #2	29.77	1332885	19.78	UG/L
50)	1,3 - DICHLOROBENZENE #2	33.25	1367159	19.53	UG/L
51)	1,4 - DICHLOROBENZENE #2	33.41	1388524	19.69	UG/L
52)	1,2 - DICHLOROBENZENE #2	34.01	1176119	19.74	UG/L

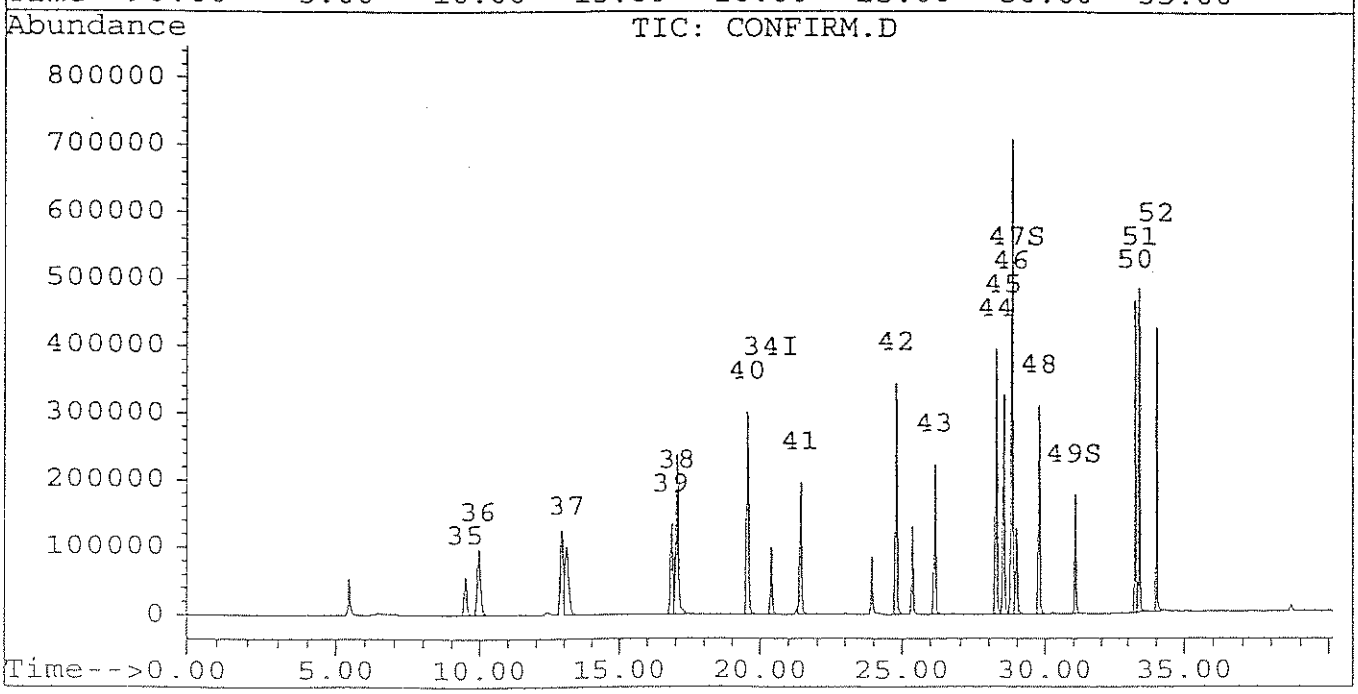
Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\052698\0801008.D Vial: 8
Signal #2 : C:\HPCHEM\5\DATA\052698\0801008.D\CONFIRM.D
Acq On : 26 May 98 03:38 PM Operator:
Sample : 805113-2 MSD Inst : GC 1
Misc : Multiplr: 1.00
Quant Time: May 26 16:36 1998

Method : C:\HPCHEM\5\METHODS\1-043098.M
Title :
Last Update : Wed May 06 08:35:54 1998
Response via : Multiple Level Calibration

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\052698\0501005.D Vial: 5
Signal #2 : C:\HPCHEM\5\DATA\052698\0501005.D\CONFIRM.D
Acq On : 26 May 98 6:00 pm Operator:
Sample : 805113-1 5ml Inst : GC 1
Misc : Multiplr: 1.00
Quant Time: May 26 14:19 1998

Method : C:\HPCHEM\5\METHODS\1-043098.M
Title :
Last Update : Wed May 06 08:35:54 1998
Response via : Multiple Level Calibration

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

		Compound	R.T.	Response	Conc Units
		Internal Standards			
1)		1-CL, 2-FLBENZENE(IS)	29.01	2172805	10.00 UG/L
34)	I	FLUOROBENZENE (IS) #2	20.40	581115	10.00 UG/L
		System Monitoring Compounds			
28)	S	BFB	31.08	1528443	10.81 UG/L
			Recovery	=	108.10%
47)	S	1-CL, 2-FLBENZENE #2	28.98	558085	9.00 UG/L
			Recovery	=	90.00%
49)	S	BFB #2	31.05	774940	9.04 UG/L
			Recovery	=	90.40%
		Target Compounds			
2)		DCDFM	4.66f	1949791	7.63 UG/L
3)		CHLOROMETHANE	5.15	20796	0.07 UG/L
4)		VINYL CHLORIDE	0.00	0	N.D. UG/L
5)		BROMOMETHANE	0.00	0	N.D. UG/L
6)		CHLOROETHANE	0.00	0	N.D. UG/L
7)		TCFM	7.68f	42395	0.13 UG/L
8)		FREON-113/1,1-DCE	9.57	180026	~~0.73 UG/L~~
9)		DCM	11.72	10292	0.03 UG/L
10)		TRANS-1,2-DCE	0.00	0	N.D. UG/L
11)		1,1-DCA	14.74	5541	0.01 UG/L
12)		CIS-1,2-DCE	16.89	55593	0.13 UG/L
13)		CHLOROFORM	17.99	6458538	11.93 UG/L
14)		1,1,1-TCA	18.46	20197	0.04 UG/L
15)		CARBON TETRACL	18.98	20192	0.04 UG/L
16)		1,2-DCA	19.69	71945	0.16 UG/L
17)		TCE	21.45	1924698	4.16 UG/L
18)		1,2-DCPA	0.00	0	N.D. UG/L
19)		BRODICLMETHANE	22.83	49850	0.10 UG/L
20)		2-CHLOROETHYLVINYLETHER	0.00	0	N.D. UG/L
21)		CIS-1,3-DCPE	0.00	0	N.D. UG/L
22)		TRANS-1,3-DCPE	0.00	0	N.D. UG/L
23)		1,1,2-TCA	0.00	0	N.D. UG/L
24)		PCE	26.17	8512223	17.00 UG.L
25)		DIBROCLMETHANE	0.00	0	N.D. UG/L
26)		CHLOROBENZENE	0.00	0	N.D. UG/L

(f)=RT Delta > 1/2 Window (m)=manual int.

Signal #1 : C:\HPCHEM\5\DATA\052698\0501005.D Vial: 5
Signal #2 : C:\HPCHEM\5\DATA\052698\0501005.D\CONFIRM.D
Acq On : 26 May 98 01:00 PM Operator:
Sample : 805113-1 5ml Inst : GC 1
Misc : Multiplr: 1.00
Quant Time: May 26 14:19 1998

American Environmental Network (Arizona), Inc.

Method : C:\HPCHEM\5\METHODS\1-043098.M
Title :
Last Update : Wed May 06 08:35:54 1998
Response via : Multiple Level Calibration

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	R.T.	Response	Conc	Units
27)	BROMOFORM	0.00	0	N.D.	UG/L
29)	1,1,2,2-PCA	0.00	0	N.D.	UG/L
30)	1,3-DICLBENZENE	0.00	0	N.D.	UG/L
31)	1,4-DICLBENZENE	0.00	0	N.D.	UG/L
32)	1,2-DICLBENZENE	0.00	0	N.D.	UG/L
35)	11DCE #2	9.52	11448	0.46	UG/L
36)	ACETONE #2	9.90	7420	1.73	UG/L
37)	MTBE #2	13.09	9787	0.93	UG/L
38)	MEK #2	0.00	0	N.D.	UG/L
39)	CIS-1,2-DCE #2	16.86	9737	0.23	UG/L
40)	BENZENE #2	0.00	0	N.D.	UG/L
41)	TRICHLOROETHENE #2	21.43	150967	2.99	UG/L
42)	TOLUENE #2	0.00	0	N.D.	UG/L
43)	TETRACHLOROETHENE #2	26.15	529607	13.28	UG/L
44)	CHLOROBENZENE #2	0.00	0	N.D.	UG/L
45)	ETHYLBENZENE #2	0.00	0	N.D.	UG/L
46)	M/P XYLENE #2	0.00	0	N.D.	UG/L
48)	O-XYLENE #2	0.00	0	N.D.	UG/L
50)	1,3 - DICHLOROBENZENE #2	33.12f	7371	0.10	UG/L
51)	1,4 - DICHLOROBENZENE #2	0.00	0	N.D.	UG/L
52)	1,2 - DICHLOROBENZENE #2	34.11f	6501	0.10	UG/L

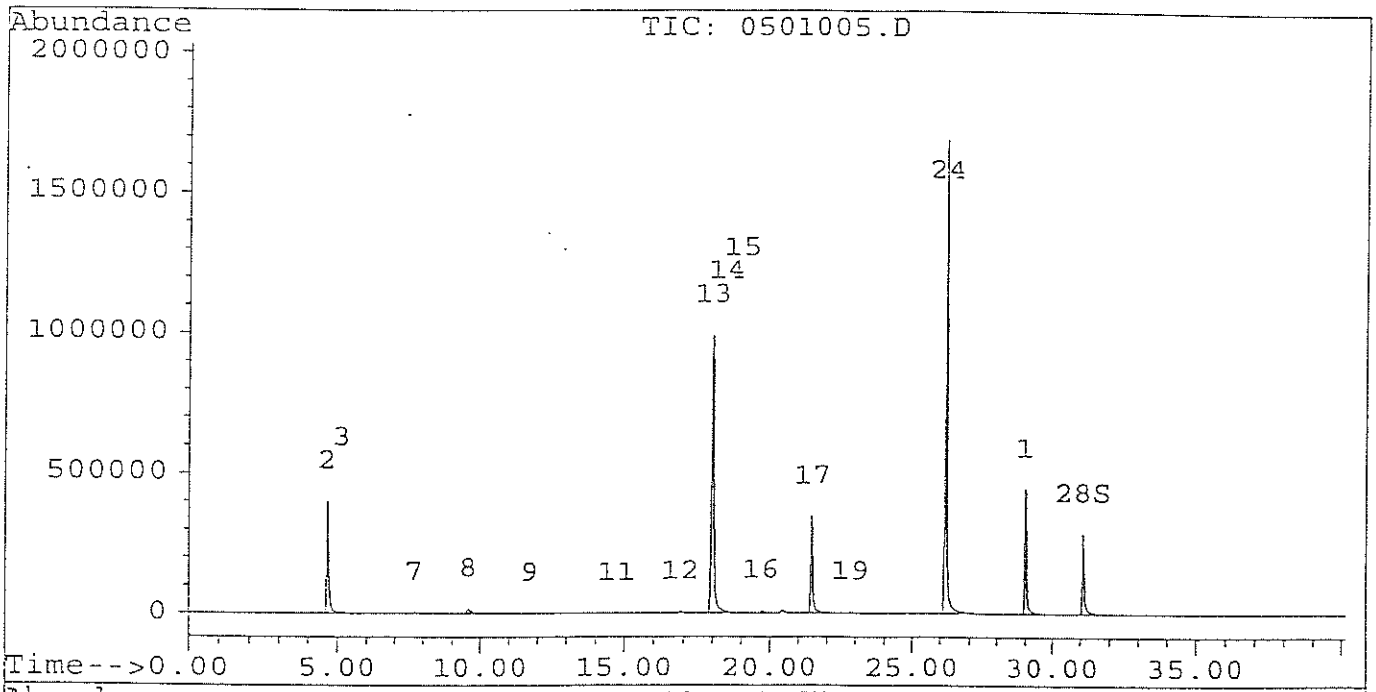
(f)=RT Delta > 1/2 Window (m)=manual int.

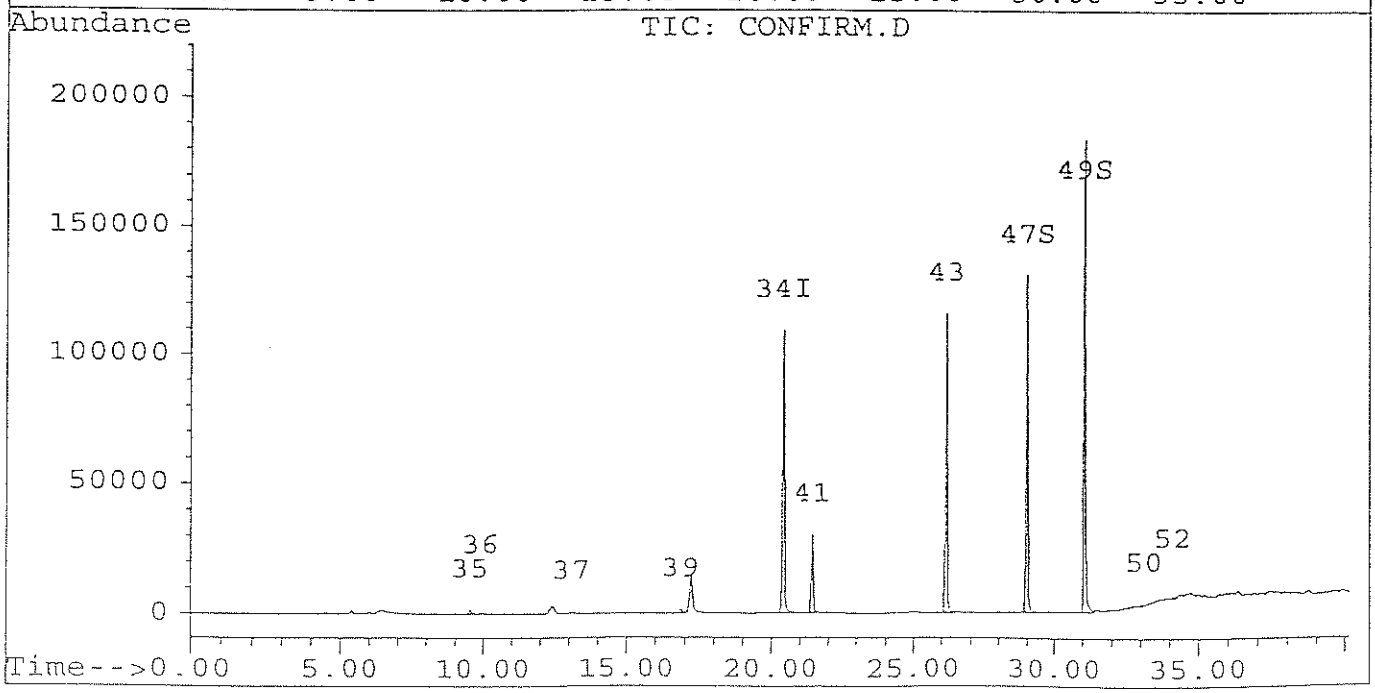
Signal #1 : C:\HPCHEM\5\DATA\052698\0501005.D Vial: 5
Signal #2 : C:\HPCHEM\5\DATA\052698\0501005.D\CONFIRM.D
Acq On : 26 May 98 01:00 PM Operator:
Sample : 805113-1 5ml Inst : GC 1
Misc : Multiplr: 1.00
Quant Time: May 26 14:19 1998

American Environmental Network (National) Inc.

Method : C:\HPCHEM\5\METHODS\1-043098.M
Title :
Last Update : Wed May 06 08:35:54 1998
Response via : Multiple Level Calibration

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\052698\0601006.D Vial: 6
Signal #2 : C:\HPCHEM\5\DATA\052698\0601006.D\CONFIRM.D
Acq On : 26 May 98 01:52 PM Operator:
Sample : 805113-2 5ml Inst : GC 1
Misc : Multiplr: 1.00
Quant Time: May 26 14:46 1998

Method : C:\HPCHEM\5\METHODS\1-043098.M
Title :
Last Update : Wed May 06 08:35:54 1998
Response via : Multiple Level Calibration

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

		Compound	R.T.	Response	Conc Units
		Internal Standards			
1)		1-CL, 2-FLBENZENE(IS)	29.00	2145149	10.00 UG/L
34)	I	FLUOROBENZENE (IS) #2	20.40	574517	10.00 UG/L
		System Monitoring Compounds			
28)	S	BFB	31.08	1514824	10.85 UG/L
			Recovery	=	108.50%
47)	S	1-CL, 2-FLBENZENE #2	28.98	557916	9.10 UG/L
			Recovery	=	91.00%
49)	S	BFB #2	31.05	841433	9.93 UG/L
			Recovery	=	99.30%
		Target Compounds			
2)		DCDFM	4.67f	2418596	9.58 UG/L
3)		CHLOROMETHANE	5.16f	13116	0.04 UG/L
4)		VINYL CHLORIDE	0.00	0	N.D. UG/L
5)		BROMOMETHANE	0.00	0	N.D. UG/L
6)		CHLOROETHANE	0.00	0	N.D. UG/L
7)		TCFM	7.69f	5527	0.02 UG/L
8)		FREON-113/1,1-DCE	9.60f	58482	0.24 UG/L
9)		DCM	11.73	41243	0.13 UG/L
10)		TRANS-1,2-DCE	0.00	0	N.D. UG/L
11)		1,1-DCA	0.00	0	N.D. UG/L
12)		CIS-1,2-DCE	16.89	24304	0.06 UG/L
13)		CHLOROFORM	17.98	6416370	12.00 UG/L
14)		1,1,1-TCA	18.48	15985	0.03 UG/L
15)		CARBON TETRACL	18.97	16562	0.03 UG/L
16)		1,2-DCA	19.68	67794	0.16 UG/L
17)		TCE	21.45	1030899	2.26 UG/L
18)		1,2-DCPA	0.00	0	N.D. UG/L
19)		BRODICLMETHANE	22.83	45089	0.09 UG/L
20)		2-CHLOROETHYLVINYLETHER	0.00	0	N.D. UG/L
21)		CIS-1,3-DCPE	0.00	0	N.D. UG/L
22)		TRANS-1,3-DCPE	0.00	0	N.D. UG/L
23)		1,1,2-TCA	0.00	0	N.D. UG/L
24)		PCE	26.16	4912745	9.94 UG.L
25)		DIBROCLMETHANE	0.00	0	N.D. UG/L
26)		CHLOROBENZENE	0.00	0	N.D. UG/L

(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\052698\0601006.D Vial: 6
Signal #2 : C:\HPCHEM\5\DATA\052698\0601006.D\CONFIRM.D
Acq On : 26 May 98 01:52 PM Operator:
Sample : 805113-2 5ml Inst : GC 1
Misc : Multiplr: 1.00
Quant Time: May 26 14:46 1998

American Environmental Network (Arizona), Inc.

Method : C:\HPCHEM\5\METHODS\1-043098.M
Title :
Last Update : Wed May 06 08:35:54 1998
Response via : Multiple Level Calibration

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	R.T.	Response	Conc	Units
27)	BROMOFORM	0.00	0	N.D.	UG/L
29)	1,1,2,2-PCA	0.00	0	N.D.	UG/L
30)	1,3-DICLBENZENE	0.00	0	N.D.	UG/L
31)	1,4-DICLBENZENE	0.00	0	N.D.	UG/L
32)	1,2-DICLBENZENE	0.00	0	N.D.	UG/L
35)	11DCE #2	0.00	0	N.D.	UG/L
36)	ACETONE #2	9.92	5728	1.35	UG/L
37)	MTBE #2	13.10	8482	0.81	UG/L
38)	MEK #2	0.00	0	N.D.	UG/L
39)	CIS-1,2-DCE #2	16.85	6556	0.15	UG/L
40)	BENZENE #2	0.00	0	N.D.	UG/L
41)	TRICHLOROETHENE #2	21.43	85583	1.72	UG/L
42)	TOLUENE #2	0.00	0	N.D.	UG/L
43)	TETRACHLOROETHENE #2	26.14	292184	7.41	UG/L
44)	CHLOROBENZENE #2	0.00	0	N.D.	UG/L
45)	ETHYLBENZENE #2	0.00	0	N.D.	UG/L
46)	M/P XYLENE #2	0.00	0	N.D.	UG/L
48)	O-XYLENE #2	0.00	0	N.D.	UG/L
50)	1,3 - DICHLOROBENZENE #2	33.12f	32257	0.43	UG/L
51)	1,4 - DICHLOROBENZENE #2	33.53f	10884	0.14	UG/L
52)	1,2 - DICHLOROBENZENE #2	34.03	10935	0.17	UG/L

(f)=RT Delta > 1/2 Window (m)=manual int.

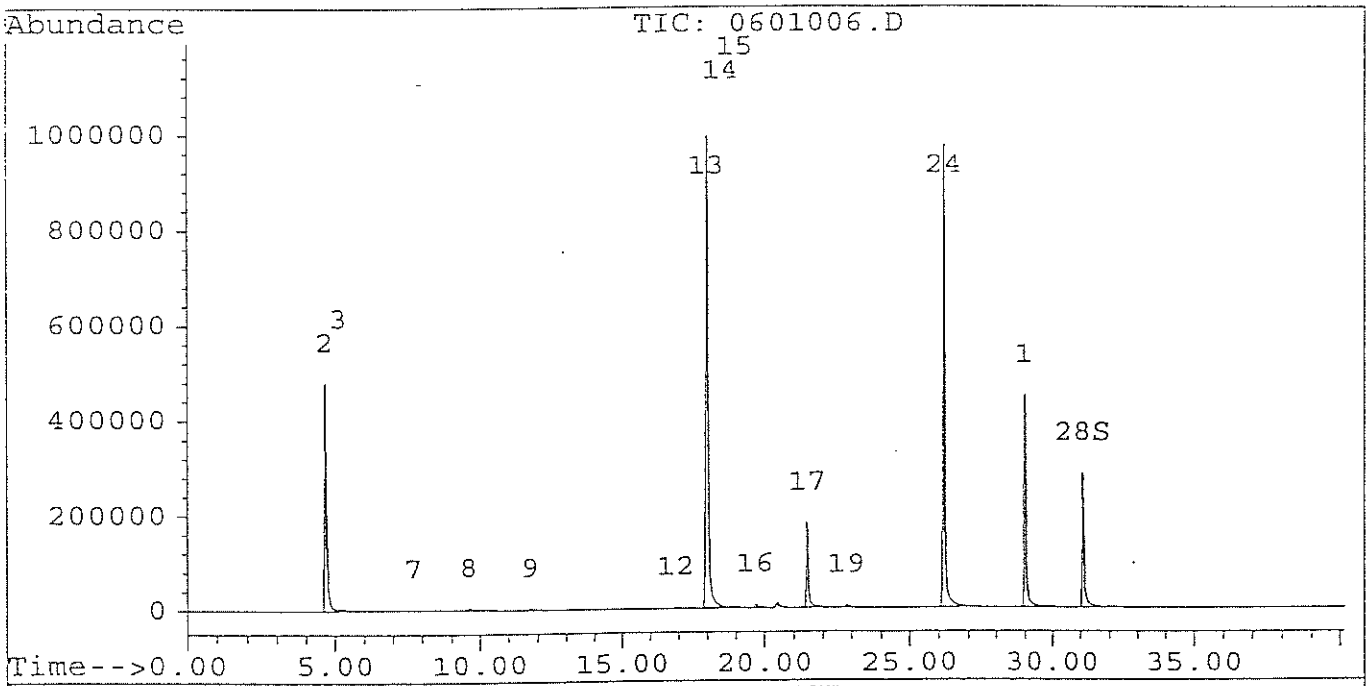
Quantitation Report

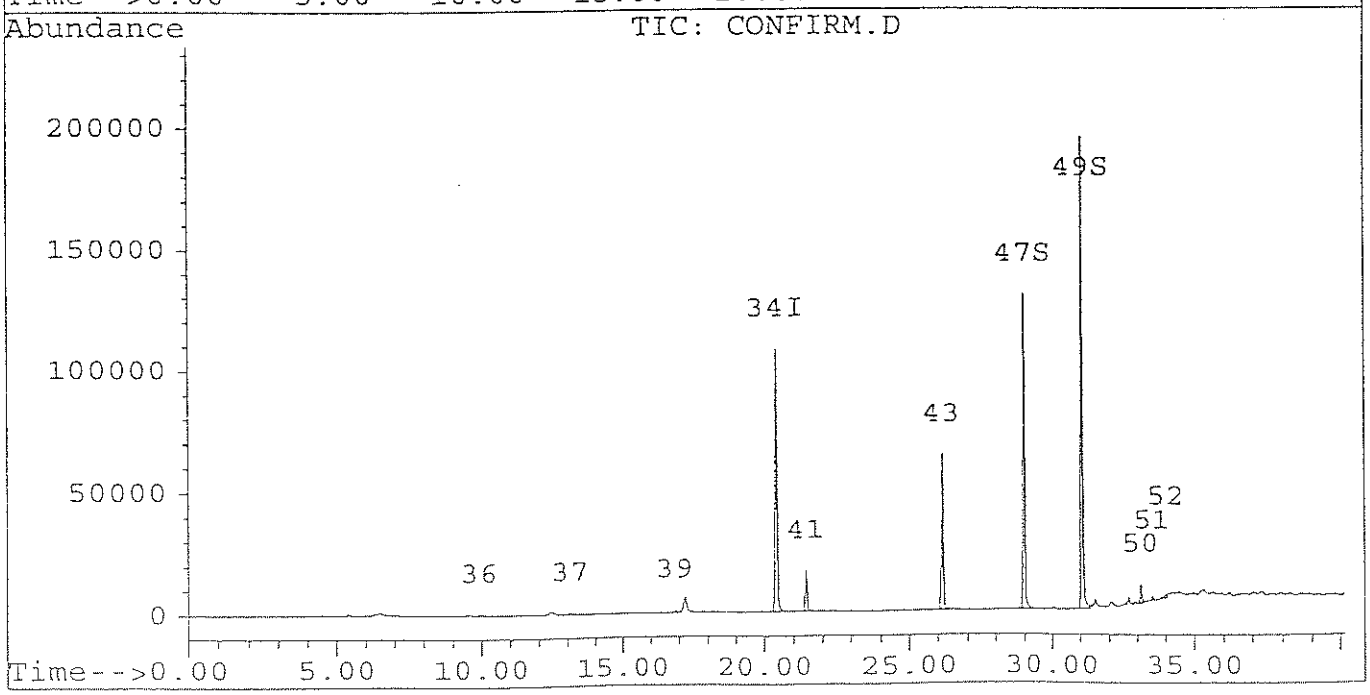
Signal #1 : C:\HPCHEM\5\DATA\052698\0601006.D Vial: 6
Signal #2 : C:\HPCHEM\5\DATA\052698\0601006.D\CONFIRM.D
Acq On : 26 May 98 01:52 PM Operator:
Sample : 805113-2 5ml Inst : GC 1
Misc : Multiplr: 1.00
Quant Time: May 26 14:46 1998

Method : C:\HPCHEM\5\METHODS\1-043098.M
Title :
Last Update : Wed May 06 08:35:54 1998
Response via : Multiple Level Calibration

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

American Environmental Network (Pleasanton), Inc.





Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\052698\1001010.D Vial: 10
Signal #2 : C:\HPCHEM\5\DATA\052698\1001010.D\CONFIRM.D
Acq On : 26 May 98 05:26 PM Operator:
Sample : 805113-3 5ml Inst : GC 1
Misc : Multiplr: 1.00
Quant Time: May 27 8:49 1998

Method : C:\HPCHEM\5\METHODS\1-043098.M
Title :
Last Update : Wed May 06 08:35:54 1998
Response via : Multiple Level Calibration

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

		Compound	R.T.	Response	Conc Units
		Internal Standards			
1)		1-CL, 2-FLBENZENE(IS)	28.99	2214884	10.00 UG/L
34)	I	FLUOROBENZENE (IS) #2	20.39	567343	10.00 UG/L
		System Monitoring Compounds			
28)	S	BFB	31.07	1482474	10.29 UG/L
			Recovery	=	102.90%
47)	S	1-CL, 2-FLBENZENE #2	28.97	545287	9.00 UG/L
			Recovery	=	90.00%
49)	S	BFB #2	31.04	754827	9.02 UG/L
			Recovery	=	90.20%
		Target Compounds			
2)		DCDFM	4.67f	1600396	6.14 UG/L m
3)		CHLOROMETHANE	5.17f	67245	0.21 UG/L
4)		VINYL CHLORIDE	0.00	0	N.D. UG/L
5)		BROMOMETHANE	6.49f	9724	0.07 UG/L
6)		CHLOROETHANE	0.00	0	N.D. UG/L
7)		TCFM	7.67f	71177	0.22 UG/L
8)		FREON-113/1,1-DCE	9.56	311020	~~1.24 UG~~/L
9)		DCM	11.72	14995	0.04 UG/L
10)		TRANS-1,2-DCE	0.00	0	N.D. UG/L
11)		1,1-DCA	14.74	57964	0.13 UG/L
12)		CIS-1,2-DCE	16.88	53261	0.12 UG/L
13)		CHLOROFORM	17.97	6928728	12.55 UG/L
14)		1,1,1-TCA	18.57f	6852	0.01 UG/L
15)		CARBON TETRACL	18.97	29556	0.05 UG/L
16)		1,2-DCA	19.67	89911	0.20 UG/L
17)		TCE	21.45	2246921	4.76 UG/L
18)		1,2-DCPA	0.00	0	N.D. UG/L
19)		BRODICLMETHANE	22.83	40893	0.08 UG/L
20)		2-CHLOROETHYLVINYLETHER	0.00	0	N.D. UG/L
21)		CIS-1,3-DCPE	0.00	0	N.D. UG/L
22)		TRANS-1,3-DCPE	0.00	0	N.D. UG/L
23)		1,1,2-TCA	25.84f	5729	0.01 UG/L
24)		PCE	26.17	9792606	19.19 UG.L
25)		DIBROCLMETHANE	26.82f	9160	0.03 UG/L
26)		CHLOROBENZENE	0.00	0	N.D. UG/L

(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\052698\1001010.D Vial: 10
Signal #2 : C:\HPCHEM\5\DATA\052698\1001010.D\CONFIRM.D
Acq On : 26 May 98 05:26 PM Operator:
Sample : 805113-3 5ml Inst : GC 1
Misc : Multiplr: 1.00
Quant Time: May 27 8:49 1998

Method : C:\HPCHEM\5\METHODS\1-043098.M
Title :
Last Update : Wed May 06 08:35:54 1998
Response via : Multiple Level Calibration

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	R.T.	Response	Conc	Units
27)	BROMOFORM	30.30f	6373	0.03	UG/L
29)	1,1,2,2-PCA	31.42f	89224	0.26	UG/L
30)	1,3-DICLBENZENE	0.00	0	N.D.	UG/L
31)	1,4-DICLBENZENE	33.45	6057	0.02	UG/L
32)	1,2-DICLBENZENE	0.00	0	N.D.	UG/L
35)	11DCE #2	9.52	18781	0.77	UG/L
36)	ACETONE #2	9.91	16129	3.85	UG/L
37)	MTBE #2	13.09	9432	0.91	UG/L
38)	MEK #2	17.05	6896	0.74	UG/L
39)	CIS-1,2-DCE #2	16.84	7307	0.17	UG/L
40)	BENZENE #2	0.00	0	N.D.	UG/L
41)	TRICHLOROETHENE #2	21.42	188230	3.82	UG/L
42)	TOLUENE #2	0.00	0	N.D.	UG/L
43)	TETRACHLOROETHENE #2	26.15	579315	14.88	UG/L
44)	CHLOROBENZENE #2	0.00	0	N.D.	UG/L
45)	ETHYLBENZENE #2	0.00	0	N.D.	UG/L
46)	M/P XYLENE #2	0.00	0	N.D.	UG/L
48)	O-XYLENE #2	0.00	0	N.D.	UG/L
50)	1,3 - DICHLOROBENZENE #2	0.00	0	N.D.	UG/L
51)	1,4 - DICHLOROBENZENE #2	0.00	0	N.D.	UG/L
52)	1,2 - DICHLOROBENZENE #2	34.03	5606	0.09	UG/L

Signal #1 : C:\HPCHEM\5\DATA\052698\1101011.D Vial: 11
Signal #2 : C:\HPCHEM\5\DATA\052698\1101011.D\CONFIRM.D
Acq On : 26 May 98 06:19 PM Operator:
Sample : 805113-4 5ml Inst : GC 1
Misc : Multiplr: 1.00
Quant Time: May 27 8:49 1998

Method : C:\HPCHEM\5\METHODS\1-043098.M
Title :
Last Update : Wed May 06 08:35:54 1998
Response via : Multiple Level Calibration

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

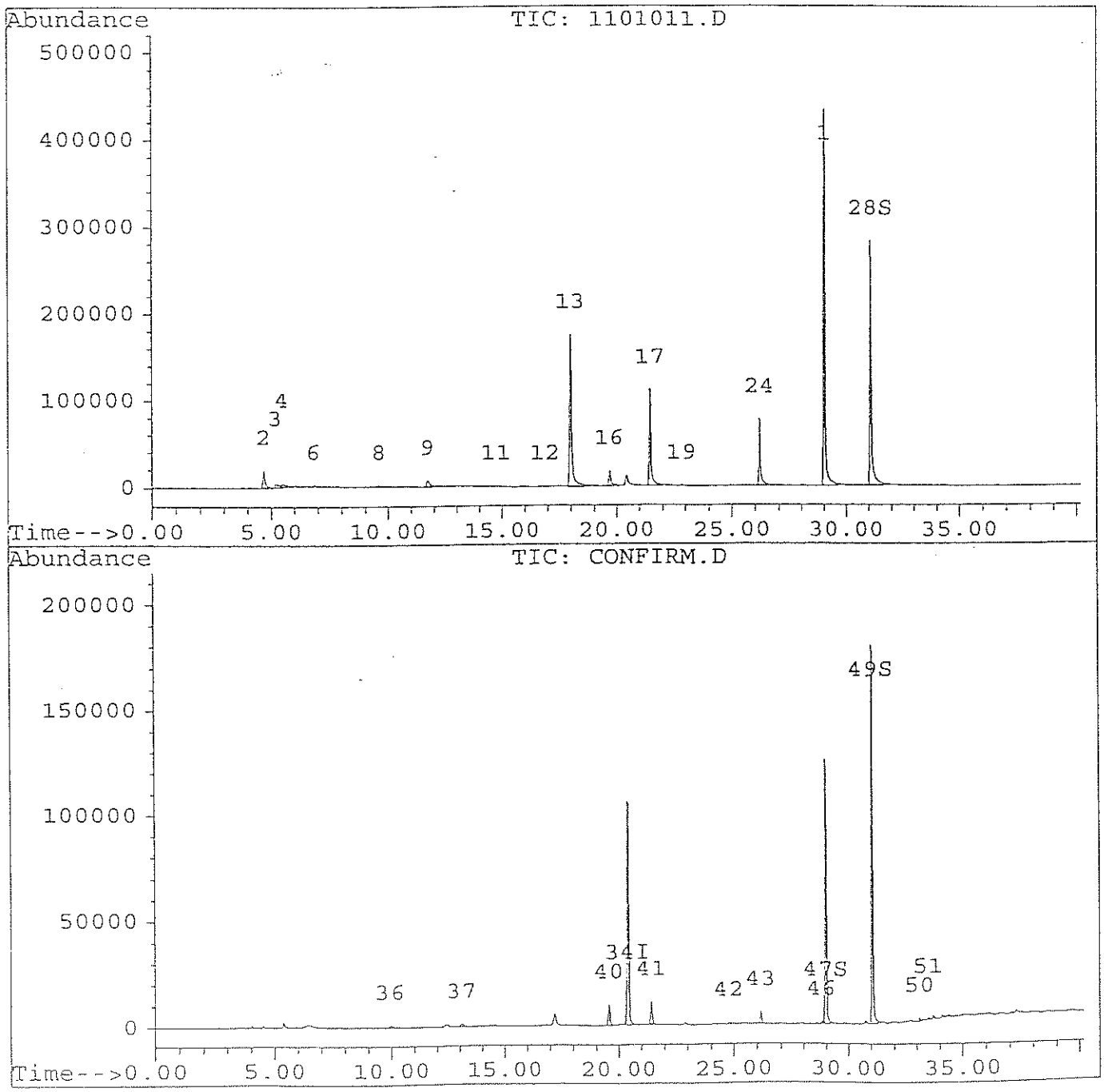
	Compound	R.T.	Response	Conc Units
27)	BROMOFORM	0.00	0	N.D. UG/L
29)	1,1,2,2-PCA	0.00	0	N.D. UG/L
30)	1,3-DICLBENZENE	0.00	0	N.D. UG/L
31)	1,4-DICLBENZENE	0.00	0	N.D. UG/L
32)	1,2-DICLBENZENE	0.00	0	N.D. UG/L
35)	11DCE #2	0.00	0	N.D. UG/L
36)	ACETONE #2	9.96	13426	3.24 UG/L
37)	MTBE #2	13.08	15068	1.47 UG/L
38)	MEK #2	0.00	0	N.D. UG/L
39)	CIS-1,2-DCE #2	0.00	0	N.D. UG/L
40)	BENZENE #2	19.55	56380	0.62 UG/L
41)	TRICHLOROETHENE #2	21.42	58017	1.19 UG/L
42)	TOLUENE #2	24.78	5260	0.06 UG/L
43)	TETRACHLOROETHENE #2	26.15	27965	0.73 UG/L
44)	CHLOROBENZENE #2	0.00	0	N.D. UG/L
45)	ETHYLBENZENE #2	0.00	0	N.D. UG/L
46)	M/P XYLENE #2	28.80	5680	0.07 UG/L
48)	O-XYLENE #2	0.00	0	N.D. UG/L
50)	1,3 - DICHLOROBENZENE #2	33.12f	8027	0.11 UG/L
51)	1,4 - DICHLOROBENZENE #2	33.49f	5926	0.08 UG/L
52)	1,2 - DICHLOROBENZENE #2	0.00	0	N.D. UG/L

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\052698\1101011.D Vial: 11
Signal #2 : C:\HPCHEM\5\DATA\052698\1101011.D\CONFIRM.D
Acq On : 26 May 98 06:19 PM Operator:
Sample : 805113-4 5ml Inst : GC 1
Misc : Multiplr: 1.00
Quant Time: May 27 8:49 1998

Method : C:\HPCHEM\5\METHODS\1-043098.M
Title :
Last Update : Wed May 06 08:35:54 1998
Response via : Multiple Level Calibration

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\052698\1201012.D Vial: 12
Signal #2 : C:\HPCHEM\5\DATA\052698\1201012.D\CONFIRM.D
Acq On : 26 May 98 07:12 PM Operator:
Sample : 805113-5 5ml Inst : GC 1
Misc : Multiplr: 1.00
Quant Time: May 27 8:37 1998

Method : C:\HPCHEM\5\METHODS\1-043098.M
Title :
Last Update : Wed May 06 08:35:54 1998
Response via : Multiple Level Calibration

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

		Compound	R.T.	Response	Conc Units
		Internal Standards			
1)		1-CL, 2-FLBENZENE(IS)	29.00	2095745	10.00 UG/L
34)	I	FLUOROBENZENE (IS) #2	20.39	545236	10.00 UG/L
		System Monitoring Compounds			
28)	S	BFB	31.07	1488065	10.91 UG/L
			Recovery	=	109.10%
47)	S	1-CL, 2-FLBENZENE #2	28.97	522997	8.99 UG/L
			Recovery	=	89.90%
49)	S	BFB #2	31.04	751876	9.35 UG/L
			Recovery	=	93.50%
		Target Compounds			
2)		DCDFM	4.66f	2177572	8.83 UG/L
3)		CHLOROMETHANE	5.17f	26329	0.09 UG/L
4)		VINYL CHLORIDE	0.00	0	N.D. UG/L
5)		BROMOMETHANE	0.00	0	N.D. UG/L
6)		CHLOROETHANE	0.00	0	N.D. UG/L
7)		TCFM	7.67f	42947	0.14 UG/L
8)		FREON-113 (1,1-DCE)	9.56	192263	0.81 UG/L
9)		DCM	11.70	12722	0.04 UG/L
10)		TRANS-1,2-DCE	0.00	0	N.D. UG/L
11)		1,1-DCA	14.71	14537	0.03 UG/L
12)		CIS-1,2-DCE	16.87	55034	0.13 UG/L
13)		CHLOROFORM	17.96	6519086	12.48 UG/L
14)		1,1,1-TCA	18.46	39374	0.08 UG/L
15)		CARBON TETRACL	18.97	25310	0.05 UG/L
16)		1,2-DCA	19.68	69946	0.17 UG/L
17)		TCE	21.44	1931064	4.33 UG/L
18)		1,2-DCPA	22.10f	7198	0.02 UG/L
19)		BRODICLMETHANE	22.82	43855	0.09 UG/L
20)		2-CHLOROETHYLVINYLETHER	0.00	0	N.D. UG/L
21)		CIS-1,3-DCPE	0.00	0	N.D. UG/L
22)		TRANS-1,3-DCPE	0.00	0	N.D. UG/L
23)		1,1,2-TCA	0.00	0	N.D. UG/L
24)		PCE	26.16	8701203	18.02 UG.L
25)		DIBROCLMETHANE	26.79	9235	0.03 UG/L
26)		CHLOROBENZENE	0.00	0	N.D. UG/L

(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\052698\1201012.D Vial: 12
Signal #2 : C:\HPCHEM\5\DATA\052698\1201012.D\CONFIRM.D
Acq On : 26 May 98 07:12 PM Operator:
Sample : 805113-5 5ml Inst : GC 1
Misc : Multiplr: 1.00
Quant Time: May 27 8:37 1998

Method : C:\HPCHEM\5\METHODS\1-043098.M
Title :
Last Update : Wed May 06 08:35:54 1998
Response via : Multiple Level Calibration

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	R.T.	Response	Conc	Units
27)	BROMOFORM	0.00	0	N.D.	UG/L
29)	1,1,2,2-PCA	0.00	0	N.D.	UG/L
30)	1,3-DICLBENZENE	0.00	0	N.D.	UG/L
31)	1,4-DICLBENZENE	0.00	0	N.D.	UG/L
32)	1,2-DICLBENZENE	0.00	0	N.D.	UG/L
35)	11DCE #2	9.52	11088	0.47	UG/L
36)	ACETONE #2	9.89	9902	2.46	UG/L
37)	MTBE #2	13.08	9068	0.91	UG/L
38)	MEK #2	0.00	0	N.D.	UG/L
39)	CIS-1,2-DCE #2	16.84	8771	0.22	UG/L
40)	BENZENE #2	0.00	0	N.D.	UG/L
41)	TRICHLOROETHENE #2	21.42	147915	3.12	UG/L
42)	TOLUENE #2	0.00	0	N.D.	UG/L
43)	TETRACHLOROETHENE #2	26.14	516118	13.80	UG/L
44)	CHLOROBENZENE #2	0.00	0	N.D.	UG/L
45)	ETHYLBENZENE #2	0.00	0	N.D.	UG/L
46)	M/P XYLENE #2	0.00	0	N.D.	UG/L
48)	O-XYLENE #2	0.00	0	N.D.	UG/L
50)	1,3 - DICHLOROBENZENE #2	33.11f	13812	0.19	UG/L
51)	1,4 - DICHLOROBENZENE #2	33.52f	5103	0.07	UG/L
52)	1,2 - DICHLOROBENZENE #2	0.00	0	N.D.	UG/L

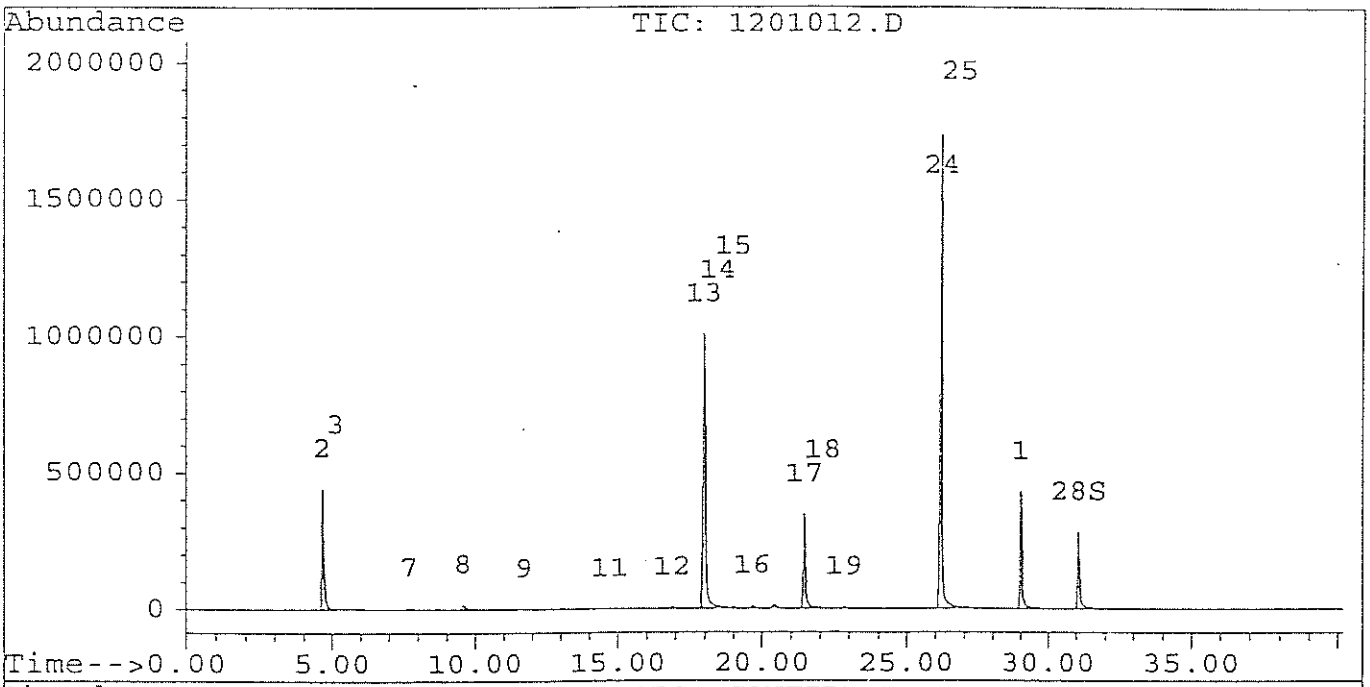
(f)=RT Delta > 1/2 Window (m)=manual int.

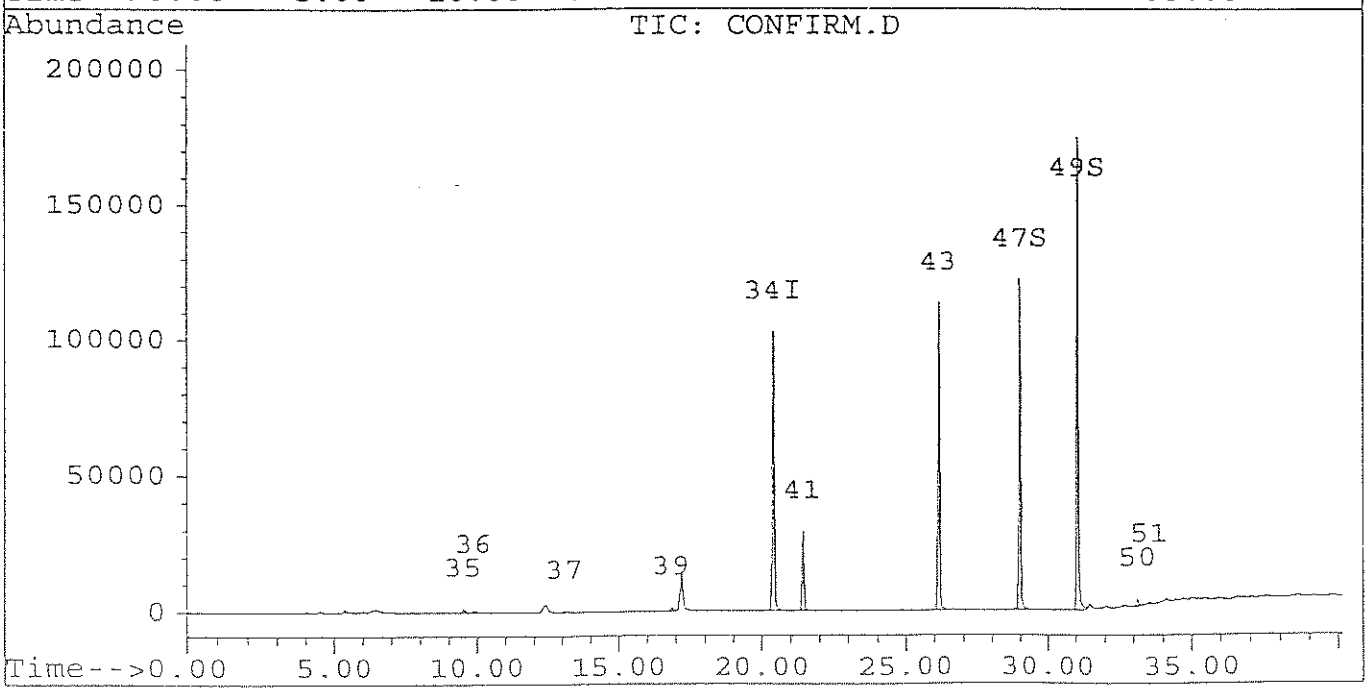
Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\052698\1201012.D Vial: 12
Signal #2 : C:\HPCHEM\5\DATA\052698\1201012.D\CONFIRM.D
Acq On : 26 May 98 07:12 PM Operator:
Sample : 805113-5 5ml Inst : GC 1
Misc : Multiplr: 1.00
Quant Time: May 27 8:37 1998

Method : C:\HPCHEM\5\METHODS\1-043098.M
Title :
Last Update : Wed May 06 08:35:54 1998
Response via : Multiple Level Calibration

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\052698\1301013.D Vial: 13
Signal #2 : C:\HPCHEM\5\DATA\052698\1301013.D\CONFIRM.D
Acq On : 26 May 98 08:04 PM Operator:
Sample : 805113-6 5ml Inst : GC 1
Misc : Multiplr: 1.00
Quant Time: May 27 8:37 1998

American Environmental Network (AZ), Inc.

Method : C:\HPCHEM\5\METHODS\1-043098.M
Title :
Last Update : Wed May 06 08:35:54 1998
Response via : Multiple Level Calibration

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	R.T.	Response	Conc Units
	Internal Standards			
1)	1-CL, 2-FLBENZENE(IS)	28.98	2071352	10.00 UG/L
34) I	FLUOROBENZENE (IS) #2	20.39	549569	10.00 UG/L
	System Monitoring Compounds			
28) S	BFB	31.06	1417643	10.52 UG/L
		Recovery	=	105.20%
47) S	1-CL, 2-FLBENZENE #2	28.96	522231	8.90 UG/L
		Recovery	=	89.00%
49) S	BFB #2	31.03	716891	8.84 UG/L
		Recovery	=	88.40%
	Target Compounds			
2)	DCDFM	4.66f	67888	0.28 UG/L
3)	CHLOROMETHANE	5.18f	57493	0.19 UG/L
4)	VINYL CHLORIDE	5.47	50868	0.20 UG/L
5)	BROMOMETHANE	0.00	0	N.D. UG/L
6)	CHLOROETHANE	0.00	0	N.D. UG/L
7)	TCFM	0.00	0	N.D. UG/L
8)	FREON-113/1,1-DCE	9.57	19216	0.08 UG/L
9)	DCM	11.71	80533	0.25 UG/L
10)	TRANS-1,2-DCE	0.00	0	N.D. UG/L
11)	1,1-DCA	0.00	0	N.D. UG/L
12)	CIS-1,2-DCE	16.87	56887	0.13 UG/L
13)	CHLOROFORM	17.97	1497317	2.90 UG/L
14)	1,1,1-TCA	0.00	0	N.D. UG/L
15)	CARBON TETRACL	0.00	0	N.D. UG/L
16)	1,2-DCA	19.67	114215	0.27 UG/L
17)	TCE	21.44	1038920	2.35 UG/L
18)	1,2-DCPA	22.03	18011	0.05 UG/L
19)	BRODICLMETHANE	22.82	106757	0.22 UG/L
20)	2-CHLOROETHYLVINYLETHER	0.00	0	N.D. UG/L
21)	CIS-1,3-DCPE	0.00	0	N.D. UG/L
22)	TRANS-1,3-DCPE	0.00	0	N.D. UG/L
23)	1,1,2-TCA	0.00	0	N.D. UG/L
24)	PCE	26.17	517280	1.08 UG.L
25)	DIBROCLMETHANE	26.80	50014	0.16 UG/L
26)	CHLOROBENZENE	28.26	20788	0.11 UG/L

(f)=RT Delta > 1/2 Window (m)=manual int.

Signal #1 : C:\HPCHEM\5\DATA\052698\1301013.D Vial: 13
Signal #2 : C:\HPCHEM\5\DATA\052698\1301013.D\CONFIRM.D
Acq On : 26 May 98 08:04 PM Operator:
Sample : 805113-6 5ml Inst : GC 1
Misc : Multiplr: 1.00
Quant Time: May 27 8:37 1998

Method : C:\HPCHEM\5\METHODS\1-043098.M
Title :
Last Update : Wed May 06 08:35:54 1998
Response via : Multiple Level Calibration

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	R.T.	Response	Conc Units
27)	BROMOFORM	0.00	0	N.D. UG/L
29)	1,1,2,2-PCA	0.00	0	N.D. UG/L
30)	1,3-DICLBENZENE	0.00	0	N.D. UG/L
31)	1,4-DICLBENZENE	0.00	0	N.D. UG/L
32)	1,2-DICLBENZENE	0.00	0	N.D. UG/L
35)	11DCE #2	0.00	0	N.D. UG/L
36)	ACETONE #2	9.90	13919	3.43 UG/L
37)	MTBE #2	0.00	0	N.D. UG/L
38)	MEK #2	0.00	0	N.D. UG/L
39)	CIS-1,2-DCE #2	16.84	9351	0.23 UG/L
40)	BENZENE #2	19.55	6434	0.07 UG/L
41)	TRICHLOROETHENE #2	21.42	88638	1.86 UG/L
42)	TOLUENE #2	0.00	0	N.D. UG/L
43)	TETRACHLOROETHENE #2	26.14	33328	0.88 UG/L
44)	CHLOROBENZENE #2	0.00	0	N.D. UG/L
45)	ETHYLBENZENE #2	0.00	0	N.D. UG/L
46)	M/P XYLENE #2	0.00	0	N.D. UG/L
48)	O-XYLENE #2	0.00	0	N.D. UG/L
50)	1,3 - DICHLOROBENZENE #2	0.00	0	N.D. UG/L
51)	1,4 - DICHLOROBENZENE #2	0.00	0	N.D. UG/L
52)	1,2 - DICHLOROBENZENE #2	0.00	0	N.D. UG/L

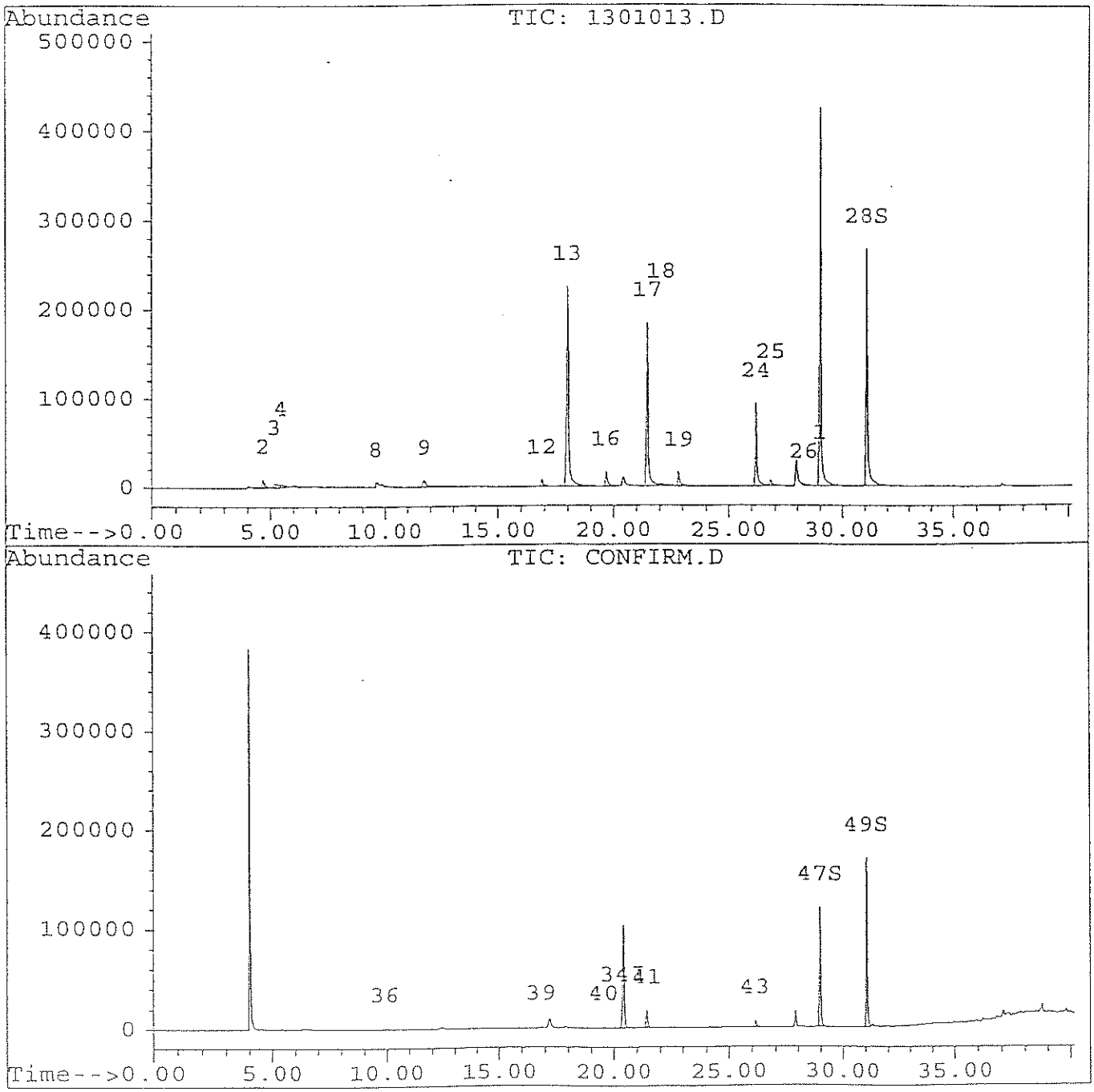
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\052698\1301013.D Vial: 13
Signal #2 : C:\HPCHEM\5\DATA\052698\1301013.D\CONFIRM.D
Acq On : 26 May 98 08:04 PM Operator:
Sample : 805113-6 5ml Inst : GC 1
Misc : Multiplr: 1.00
Quant Time: May 27 8:37 1998

Method : C:\HPCHEM\5\METHODS\1-043098.M
Title :
Last Update : Wed May 06 08:35:54 1998
Response via : Multiple Level Calibration

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\052698\1401014.D Vial: 14
Signal #2 : C:\HPCHEM\5\DATA\052698\1401014.D\CONFIRM.D
Acq On : 26 May 98 08:56 PM Operator:
Sample : 805113-7 5ml Inst : GC 1
Misc : Multiplr: 1.00
Quant Time: May 27 8:38 1998

Method : C:\HPCHEM\5\METHODS\1-043098.M
Title :
Last Update : Wed May 06 08:35:54 1998
Response via : Multiple Level Calibration

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	R.T.	Response	Conc Units
	Internal Standards			
1)	1-CL, 2-FLBENZENE(IS)	29.00	1796342	10.00 UG/L
34) I	FLUOROBENZENE (IS) #2	20.39	535522	10.00 UG/L
	System Monitoring Compounds			
28) S	BFB	31.06	1295935	11.09 UG/L
		Recovery	=	110.90%
47) S	1-CL, 2-FLBENZENE #2	28.97	505359	8.84 UG/L
		Recovery	=	88.40%
49) S	BFB #2	31.03	704428	8.92 UG/L
		Recovery	=	89.20%
	Target Compounds			
2)	DCDFM	0.00	0	N.D. UG/L
3)	CHLOROMETHANE	5.18f	9612	0.04 UG/L
4)	VINYL CHLORIDE	0.00	0	N.D. UG/L
5)	BROMOMETHANE	0.00	0	N.D. UG/L
6)	CHLOROETHANE	0.00	0	N.D. UG/L
7)	TCFM	0.00	0	N.D. UG/L
8)	FREON-113/1,1-DCE	0.00	0	N.D. UG/L
9)	DCM	11.70	747283	2.72 UG/L
10)	TRANS-1,2-DCE	0.00	0	N.D. UG/L
11)	1,1-DCA	0.00	0	N.D. UG/L
12)	CIS-1,2-DCE	0.00	0	N.D. UG/L
13)	CHLOROFORM	0.00	0	N.D. UG/L
14)	1,1,1-TCA	0.00	0	N.D. UG/L
15)	CARBON TETRACL	0.00	0	N.D. UG/L
16)	1,2-DCA	0.00	0	N.D. UG/L
17)	TCE	0.00	0	N.D. UG/L
18)	1,2-DCPA	0.00	0	N.D. UG/L
19)	BRODICLMETHANE	0.00	0	N.D. UG/L
20)	2-CHLOROETHYLVINYLETHER	0.00	0	N.D. UG/L
21)	CIS-1,3-DCPE	0.00	0	N.D. UG/L
22)	TRANS-1,3-DCPE	0.00	0	N.D. UG/L
23)	1,1,2-TCA	0.00	0	N.D. UG/L
24)	PCE	0.00	0	N.D. UG.L
25)	DIBROCLMETHANE	0.00	0	N.D. UG/L
26)	CHLOROBENZENE	0.00	0	N.D. UG/L

(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\052698\1401014.D Vial: 14
Signal #2 : C:\HPCHEM\5\DATA\052698\1401014.D\CONFIRM.D
Acq On : 26 May 98 08:56 PM Operator:
Sample : 805113-7 5ml Inst : GC 1
Misc : Multiplr: 1.00
Quant Time: May 27 8:38 1998

Method : C:\HPCHEM\5\METHODS\1-043098.M
Title :
Last Update : Wed May 06 08:35:54 1998
Response via : Multiple Level Calibration

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

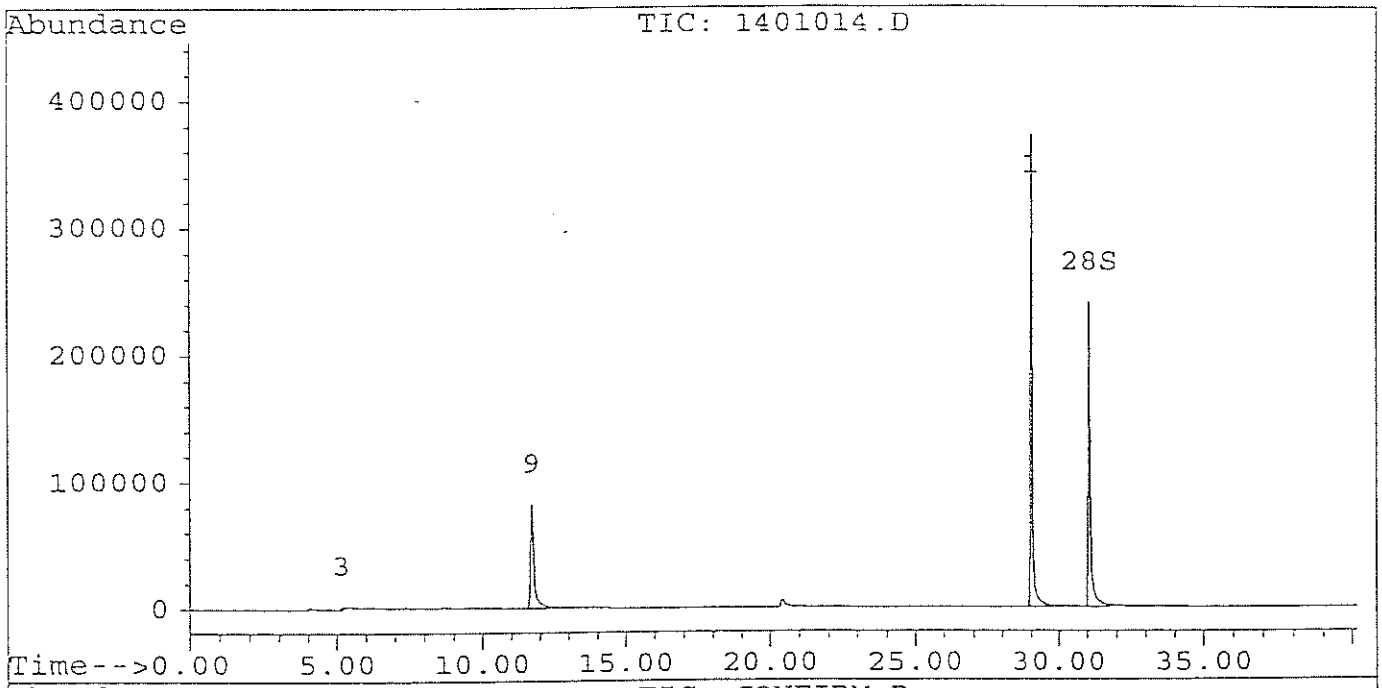
	Compound	R.T.	Response	Conc	Units
27)	BROMOFORM	0.00	0	N.D.	UG/L
29)	1,1,2,2-PCA	0.00	0	N.D.	UG/L
30)	1,3-DICLBENZENE	0.00	0	N.D.	UG/L
31)	1,4-DICLBENZENE	0.00	0	N.D.	UG/L
32)	1,2-DICLBENZENE	0.00	0	N.D.	UG/L
35)	11DCE #2	0.00	0	N.D.	UG/L
36)	ACETONE #2	9.91	6028	1.53	UG/L
37)	MTBE #2	0.00	0	N.D.	UG/L
38)	MEK #2	0.00	0	N.D.	UG/L
39)	CIS-1,2-DCE #2	0.00	0	N.D.	UG/L
40)	BENZENE #2	0.00	0	N.D.	UG/L
41)	TRICHLOROETHENE #2	0.00	0	N.D.	UG/L
42)	TOLUENE #2	0.00	0	N.D.	UG/L
43)	TETRACHLOROETHENE #2	0.00	0	N.D.	UG/L
44)	CHLOROBENZENE #2	0.00	0	N.D.	UG/L
45)	ETHYLBENZENE #2	0.00	0	N.D.	UG/L
46)	M/P XYLENE #2	0.00	0	N.D.	UG/L
48)	O-XYLENE #2	0.00	0	N.D.	UG/L
50)	1,3 - DICHLOROBENZENE #2	0.00	0	N.D.	UG/L
51)	1,4 - DICHLOROBENZENE #2	0.00	0	N.D.	UG/L
52)	1,2 - DICHLOROBENZENE #2	34.10f	12580	0.21	UG/L

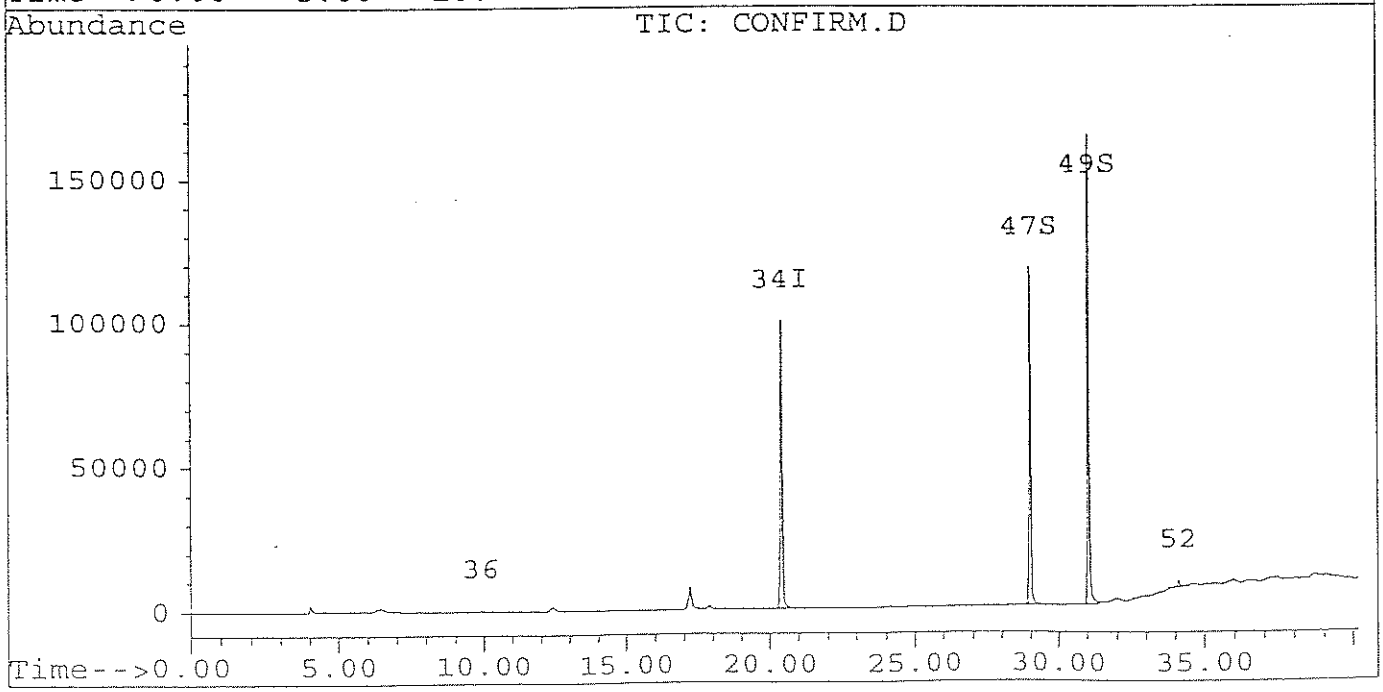
Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\052698\1401014.D Vial: 14
Signal #2 : C:\HPCHEM\5\DATA\052698\1401014.D\CONFIRM.D
Acq On : 26 May 98 08:56 PM Operator:
Sample : 805113-7 5ml Inst : GC 1
Misc : Multiplr: 1.00
Quant Time: May 27 8:38 1998

Method : C:\HPCHEM\5\METHODS\1-043098.M
Title :
Last Update : Wed May 06 08:35:54 1998
Response via : Multiple Level Calibration

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\052698\1501015.D Vial: 15
Signal #2 : C:\HPCHEM\5\DATA\052698\1501015.D\CONFIRM.D
Acq On : 26 May 98 09:47 PM Operator:
Sample : 805113-8 5ml Inst : GC 1
Misc : Multiplr: 1.00
Quant Time: May 27 8:39 1998

Method : C:\HPCHEM\5\METHODS\1-043098.M
Title :
Last Update : Wed May 06 08:35:54 1998
Response via : Multiple Level Calibration

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

		Compound	R.T.	Response	Conc Units
		Internal Standards			
1)		1-CL, 2-FLBENZENE(IS)	29.01	1990309	10.00 UG/L
34)	I	FLUOROBENZENE (IS) #2	20.40	556078	10.00 UG/L
		System Monitoring Compounds			
28)	S	BFB	31.08	1437763	11.10 UG/L
			Recovery	=	111.00%
47)	S	1-CL, 2-FLBENZENE #2	28.98	531474	8.95 UG/L
			Recovery	=	89.50%
49)	S	BFB #2	31.05f	732637	8.93 UG/L
			Recovery	=	89.30%
		Target Compounds			
2)		DCDFM	4.66f	377345	1.61 UG/L
3)		CHLOROMETHANE	5.17f	44772	0.16 UG/L
4)		VINYL CHLORIDE	0.00	0	N.D. UG/L
5)		BROMOMETHANE	0.00	0	N.D. UG/L
6)		CHLOROETHANE	0.00	0	N.D. UG/L
7)		TCFM	7.67f	12815	0.04 UG/L
8)		FREON-113/1,1-DCE	9.57	106575	0.47 UG/L
9)		DCM	11.70	13763	0.05 UG/L
10)		TRANS-1,2-DCE	0.00	0	N.D. UG/L
11)		1,1-DCA	0.00	0	N.D. UG/L
12)		CIS-1,2-DCE	16.88	12733	0.03 UG/L
13)		CHLOROFORM	17.98	1938870	3.91 UG/L
14)		1,1,1-TCA	0.00	0	N.D. UG/L
15)		CARBON TETRACL	18.98	37056	0.07 UG/L
16)		1,2-DCA	19.69	195789	0.49 UG/L
17)		TCE	21.44	2417215	3.70 UG/L
18)		1,2-DCPA	0.00	0	N.D. UG/L
19)		BRODICLMETHANE	22.82	33804	0.07 UG/L
20)		2-CHLOROETHYLVINYLETHER	0.00	0	N.D. UG/L
21)		CIS-1,3-DCPE	0.00	0	N.D. UG/L
22)		TRANS-1,3-DCPE	0.00	0	N.D. UG/L
23)		1,1,2-TCA	0.00	0	N.D. UG/L
24)		PCE	26.17	1514743	3.30 UG.L
25)		DIBROCLMETHANE	0.00	0	N.D. UG/L
26)		CHLOROBENZENE	0.00	0	N.D. UG/L

(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\052698\1501015.D Vial: 15
Signal #2 : C:\HPCHEM\5\DATA\052698\1501015.D\CONFIRM.D
Acq On : 26 May 98 09:47 PM Operator:
Sample : 805113-8 5ml Inst : GC 1
Misc : Multiplr: 1.00
Quant Time: May 27 8:39 1998

American Environmental Network (Arizona), Inc.

Method : C:\HPCHEM\5\METHODS\1-043098.M
Title :
Last Update : Wed May 06 08:35:54 1998
Response via : Multiple Level Calibration

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	R.T.	Response	Conc Units
27)	BROMOFORM	0.00	0	N.D. UG/L
29)	1,1,2,2-PCA	0.00	0	N.D. UG/L
30)	1,3-DICLBENZENE	0.00	0	N.D. UG/L
31)	1,4-DICLBENZENE	0.00	0	N.D. UG/L
32)	1,2-DICLBENZENE	0.00	0	N.D. UG/L
35)	11DCE #2	9.52	6325	0.27 UG/L
36)	ACETONE #2	9.88	15770	3.84 UG/L
37)	MTBE #2	0.00	0	N.D. UG/L
38)	MEK #2	17.18f	27672	3.02 UG/L
39)	CIS-1,2-DCE #2	0.00	0	N.D. UG/L
40)	BENZENE #2	0.00	0	N.D. UG/L
41)	TRICHLOROETHENE #2	21.42	191519	3.97 UG/L
42)	TOLUENE #2	24.77	6013	0.07 UG/L
43)	TETRACHLOROETHENE #2	26.15	88473	2.32 UG/L
44)	CHLOROBENZENE #2	0.00	0	N.D. UG/L
45)	ETHYLBENZENE #2	0.00	0	N.D. UG/L
46)	M/P XYLENE #2	0.00	0	N.D. UG/L
48)	O-XYLENE #2	0.00	0	N.D. UG/L
50)	1,3 - DICHLOROBENZENE #2	0.00	0	N.D. UG/L
51)	1,4 - DICHLOROBENZENE #2	0.00	0	N.D. UG/L
52)	1,2 - DICHLOROBENZENE #2	0.00	0	N.D. UG/L

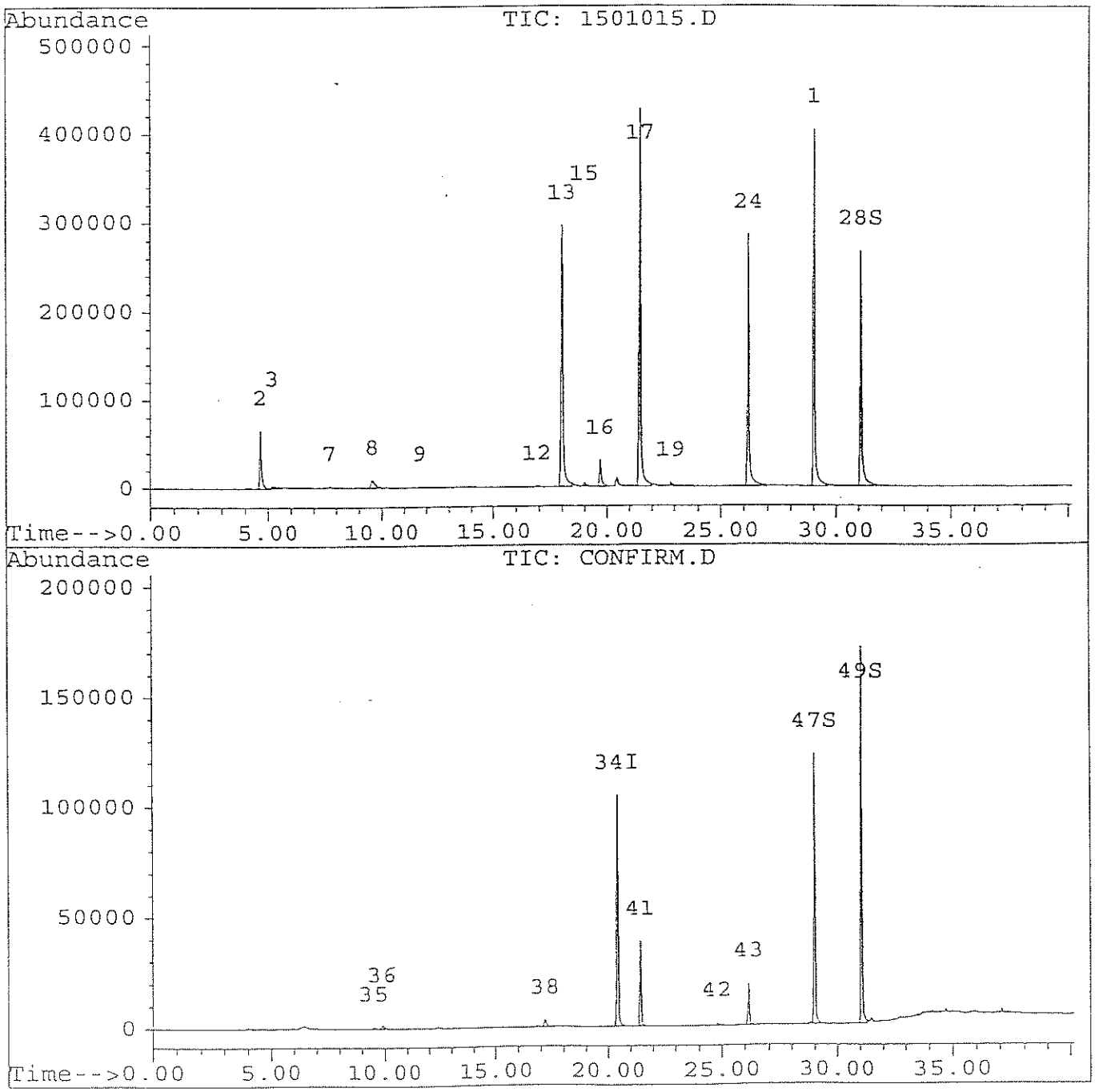
Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\052698\1501015.D Vial: 15
Signal #2 : C:\HPCHEM\5\DATA\052698\1501015.D\CONFIRM.D
Acq On : 26 May 98 09:47 PM Operator:
Sample : 805113-8 5ml Inst : GC 1
Misc : Multiplr: 1.00
Quant Time: May 27 8:39 1998

Method : C:\HPCHEM\5\METHODS\1-043098.M
Title :
Last Update : Wed May 06 08:35:54 1998
Response via : Multiple Level Calibration

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Arcadia Environmental Network (Arizona), Inc.



Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\052698\1601016.D Vial: 16
Signal #2 : C:\HPCHEM\5\DATA\052698\1601016.D\CONFIRM.D
Acq On : 26 May 98 10:39 PM Operator:
Sample : 805113-9 5ml Inst : GC 1
Misc : Multiplr: 1.00
Quant Time: May 27 8:39 1998

Method : C:\HPCHEM\5\METHODS\1-043098.M
Title :
Last Update : Wed May 06 08:35:54 1998
Response via : Multiple Level Calibration

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

		Compound	R.T.	Response	Conc Units
		Internal Standards			
1)		1-CL, 2-FLBENZENE(IS)	29.00	2033125	10.00 UG/L
34)	I	FLUOROBENZENE (IS) #2	20.40	552909	10.00 UG/L
		System Monitoring Compounds			
28)	S	BFB	31.07	1441445	10.90 UG/L
			Recovery	=	109.00%
47)	S	1-CL, 2-FLBENZENE #2	28.97	535342	9.07 UG/L
			Recovery	=	90.70%
49)	S	BFB #2	31.04	999752	12.26 UG/L
			Recovery	=	122.60%
		Target Compounds			
2)		DCDFM	4.65f	2081970	8.70 UG/L
3)		CHLOROMETHANE	5.17f	20303	0.07 UG/L
4)		VINYL CHLORIDE	0.00	0	N.D. UG/L
5)		BROMOMETHANE	0.00	0	N.D. UG/L
6)		CHLOROETHANE	0.00	0	N.D. UG/L
7)		TCFM	7.68f	27315	0.09 UG/L
8)		FREON-113/1,1-DCE	9.56	691376	3.00 UG/L
9)		DCM	11.73	11014	0.04 UG/L
10)		TRANS-1,2-DCE	0.00	0	N.D. UG/L
11)		1,1-DCA	14.75f	6630	0.02 UG/L
12)		CIS-1,2-DCE	16.89	92568	0.22 UG/L
13)		CHLOROFORM	17.99	5157835	10.18 UG/L
14)		1,1,1-TCA	18.47	18228	0.04 UG/L
15)		CARBON TETRACL	18.97	22677	0.04 UG/L
16)		1,2-DCA	19.69	69050	0.17 UG/L
17)		TCE	21.45	2938191	6.78 UG/L
18)		1,2-DCPA	22.03	9025	0.02 UG/L
19)		BRODICLMETHANE	22.83	57678	0.12 UG/L
20)		2-CHLOROETHYLVINYLETHER	0.00	0	N.D. UG/L
21)		CIS-1,3-DCPE	0.00	0	N.D. UG/L
22)		TRANS-1,3-DCPE	0.00	0	N.D. UG/L
23)		1,1,2-TCA	0.00	0	N.D. UG/L
24)		PCE	26.16	11886049	25.37 UG.L
25)		DIBROCLMETHANE	26.80	32713	0.11 UG/L
26)		CHLOROBENZENE	0.00	0	N.D. UG/L

(f)=RT Delta > 1/2 Window (m)=manual int.

Signal #1 : C:\HPCHEM\5\DATA\052698\1601016.D Vial: 16
Signal #2 : C:\HPCHEM\5\DATA\052698\1601016.D\CONFIRM.D
Acq On : 26 May 98 10:39 PM Operator:
Sample : 805113-9 5ml Inst : GC 1
Misc : Multiplr: 1.00
Quant Time: May 27 8:39 1998

Method : C:\HPCHEM\5\METHODS\1-043098.M
Title :
Last Update : Wed May 06 08:35:54 1998
Response via : Multiple Level Calibration

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	R.T.	Response	Conc	Units
27)	BROMOFORM	0.00	0	N.D.	UG/L
29)	1,1,2,2-PCA	0.00	0	N.D.	UG/L
30)	1,3-DICLBENZENE	0.00	0	N.D.	UG/L
31)	1,4-DICLBENZENE	0.00	0	N.D.	UG/L
32)	1,2-DICLBENZENE	0.00	0	N.D.	UG/L
35)	11DCE #2	9.52	34340	1.45	UG/L
36)	ACETONE #2	9.89	9860	2.42	UG/L
37)	MTBE #2	13.10	8547	0.85	UG/L
38)	MEK #2	0.00	0	N.D.	UG/L
39)	CIS-1,2-DCE #2	16.85	11459	0.28	UG/L
40)	BENZENE #2	0.00	0	N.D.	UG/L
41)	TRICHLOROETHENE #2	21.43	236958	4.93	UG/L
42)	TOLUENE #2	0.00	0	N.D.	UG/L
43)	TETRACHLOROETHENE #2	26.14	785500	20.71	UG/L
44)	CHLOROBENZENE #2	28.16	8318	0.10	UG/L
45)	ETHYLBENZENE #2	28.43	10587	0.14	UG/L
46)	M/P XYLENE #2	0.00	0	N.D.	UG/L
48)	O-XYLENE #2	0.00	0	N.D.	UG/L
50)	1,3 - DICHLOROBENZENE #2	33.32	9644	0.13	UG/L
51)	1,4 - DICHLOROBENZENE #2	33.39	21247	0.29	UG/L
52)	1,2 - DICHLOROBENZENE #2	33.97	24716	0.40	UG/L

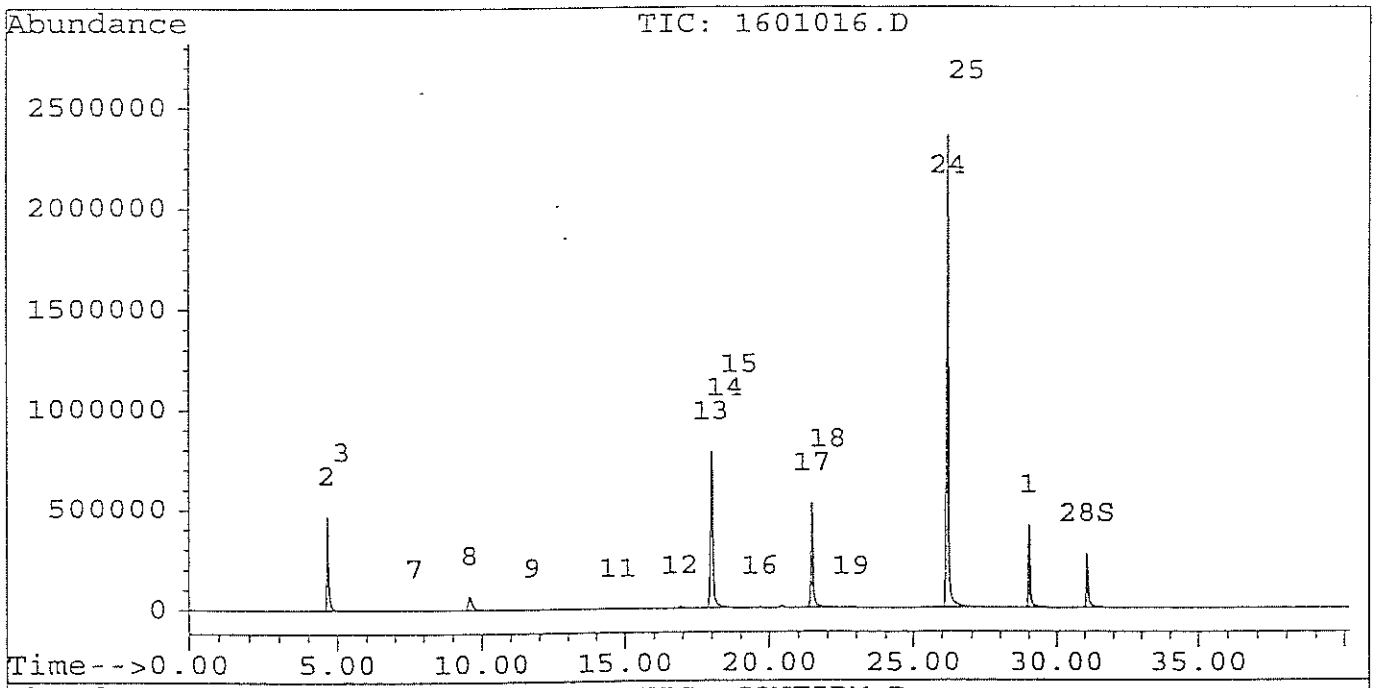
(f)=RT Delta > 1/2 Window (m)=manual int.

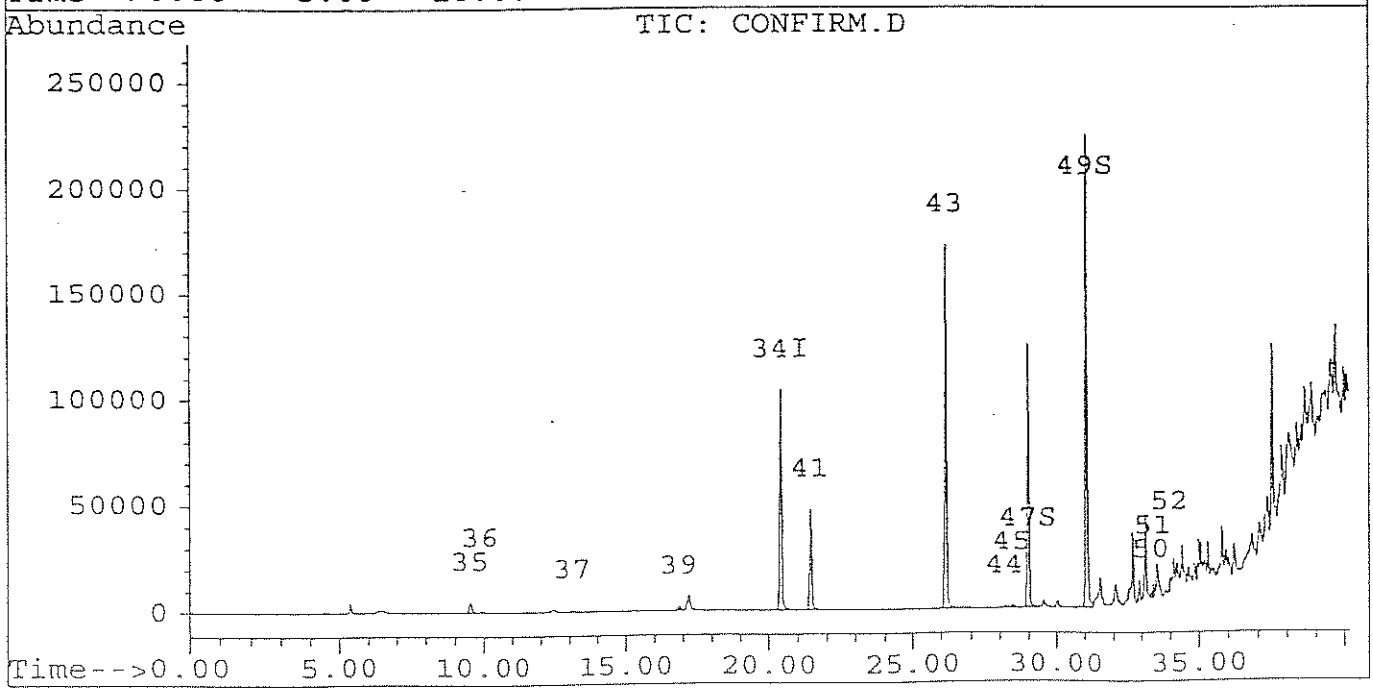
Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\052698\1601016.D Vial: 16
Signal #2 : C:\HPCHEM\5\DATA\052698\1601016.D\CONFIRM.D
Acq On : 26 May 98 10:39 PM Operator:
Sample : 805113-9 5ml Inst : GC 1
Misc : Multiplr: 1.00
Quant Time: May 27 8:39 1998

Method : C:\HPCHEM\5\METHODS\1-043098.M
Title :
Last Update : Wed May 06 08:35:54 1998
Response via : Multiple Level Calibration

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\052698\1701017.D Vial: 17
Signal #2 : C:\HPCHEM\5\DATA\052698\1701017.D\CONFIRM.D
Acq On : 26 May 98 11:31 PM Operator:
Sample : 805113-10 5ml Inst : GC 1
Misc : Multiplr: 1.00
Quant Time: May 27 8:39 1998

Method : C:\HPCHEM\5\METHODS\1-043098.M
Title :
Last Update : Wed May 06 08:35:54 1998
Response via : Multiple Level Calibration

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

		Compound	R.T.	Response	Conc Units
		Internal Standards			
1)		1-CL, 2-FLBENZENE(IS)	28.98	1676683	10.00 UG/L
34)	I	FLUOROBENZENE (IS) #2	20.39	547114	10.00 UG/L
		System Monitoring Compounds			
28)	S	BFB	31.06	1224704	11.23 UG/L
			Recovery	=	112.30%
47)	S	1-CL, 2-FLBENZENE #2	28.96	510479	8.74 UG/L
			Recovery	=	87.40%
49)	S	BFB #2	31.03	703311	8.71 UG/L
			Recovery	=	87.10%
		Target Compounds			
2)		DCDFM	0.00	0	N.D. UG/L
3)		CHLOROMETHANE	5.19f	8382	0.03 UG/L
4)		VINYL CHLORIDE	0.00	0	N.D. UG/L
5)		BROMOMETHANE	0.00	0	N.D. UG/L
6)		CHLOROETHANE	0.00	0	N.D. UG/L
7)		TCFM	0.00	0	N.D. UG/L
8)		FREON-113/1,1-DCE	0.00	0	N.D. UG/L
9)		DCM	0.00	0	N.D. UG/L
10)		TRANS-1,2-DCE	0.00	0	N.D. UG/L
11)		1,1-DCA	0.00	0	N.D. UG/L
12)		CIS-1,2-DCE	0.00	0	N.D. UG/L
13)		CHLOROFORM	0.00	0	N.D. UG/L
14)		1,1,1-TCA	0.00	0	N.D. UG/L
15)		CARBON TETRACL	0.00	0	N.D. UG/L
16)		1,2-DCA	0.00	0	N.D. UG/L
17)		TCE	0.00	0	N.D. UG/L
18)		1,2-DCPA	0.00	0	N.D. UG/L
19)		BRODICLMETHANE	0.00	0	N.D. UG/L
20)		2-CHLOROETHYLVINYLETHER	0.00	0	N.D. UG/L
21)		CIS-1,3-DCPE	0.00	0	N.D. UG/L
22)		TRANS-1,3-DCPE	0.00	0	N.D. UG/L
23)		1,1,2-TCA	0.00	0	N.D. UG/L
24)		PCE	0.00	0	N.D. UG.L
25)		DIBROCLMETHANE	0.00	0	N.D. UG/L
26)		CHLOROBENZENE	0.00	0	N.D. UG/L

(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\052698\1701017.D Vial: 17
Signal #2 : C:\HPCHEM\5\DATA\052698\1701017.D\CONFIRM.D
Acq On : 26 May 98 11:31 PM Operator:
Sample : 805113-10 5ml Inst : GC 1
Misc : Multiplr: 1.00
Quant Time: May 27 8:39 1998

Method : C:\HPCHEM\5\METHODS\1-043098.M
Title :
Last Update : Wed May 06 08:35:54 1998
Response via : Multiple Level Calibration

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	R.T.	Response	Conc Units
27)	BROMOFORM	0.00	0	N.D. UG/L
29)	1,1,2,2-PCA	0.00	0	N.D. UG/L
30)	1,3-DICLBENZENE	0.00	0	N.D. UG/L
31)	1,4-DICLBENZENE	0.00	0	N.D. UG/L
32)	1,2-DICLBENZENE	0.00	0	N.D. UG/L
35)	11DCE #2	0.00	0	N.D. UG/L
36)	ACETONE #2	9.89	16072	3.98 UG/L
37)	MTBE #2	0.00	0	N.D. UG/L
38)	MEK #2	17.17f	99652	11.07 UG/L
39)	CIS-1,2-DCE #2	0.00	0	N.D. UG/L
40)	BENZENE #2	0.00	0	N.D. UG/L
41)	TRICHLOROETHENE #2	0.00	0	N.D. UG/L
42)	TOLUENE #2	24.78	9454	0.12 UG/L
43)	TETRACHLOROETHENE #2	0.00	0	N.D. UG/L
44)	CHLOROBENZENE #2	0.00	0	N.D. UG/L
45)	ETHYLBENZENE #2	0.00	0	N.D. UG/L
46)	M/P XYLENE #2	0.00	0	N.D. UG/L
48)	O-XYLENE #2	0.00	0	N.D. UG/L
50)	1,3 - DICHLOROBENZENE #2	33.40f	27298	~~0.38 UG~~/L
51)	1,4 - DICHLOROBENZENE #2	33.40	27298	~~0.38 UG~~/L but in Hall
52)	1,2 - DICHLOROBENZENE #2	34.10f	263277	~~4.31 UG~~/L

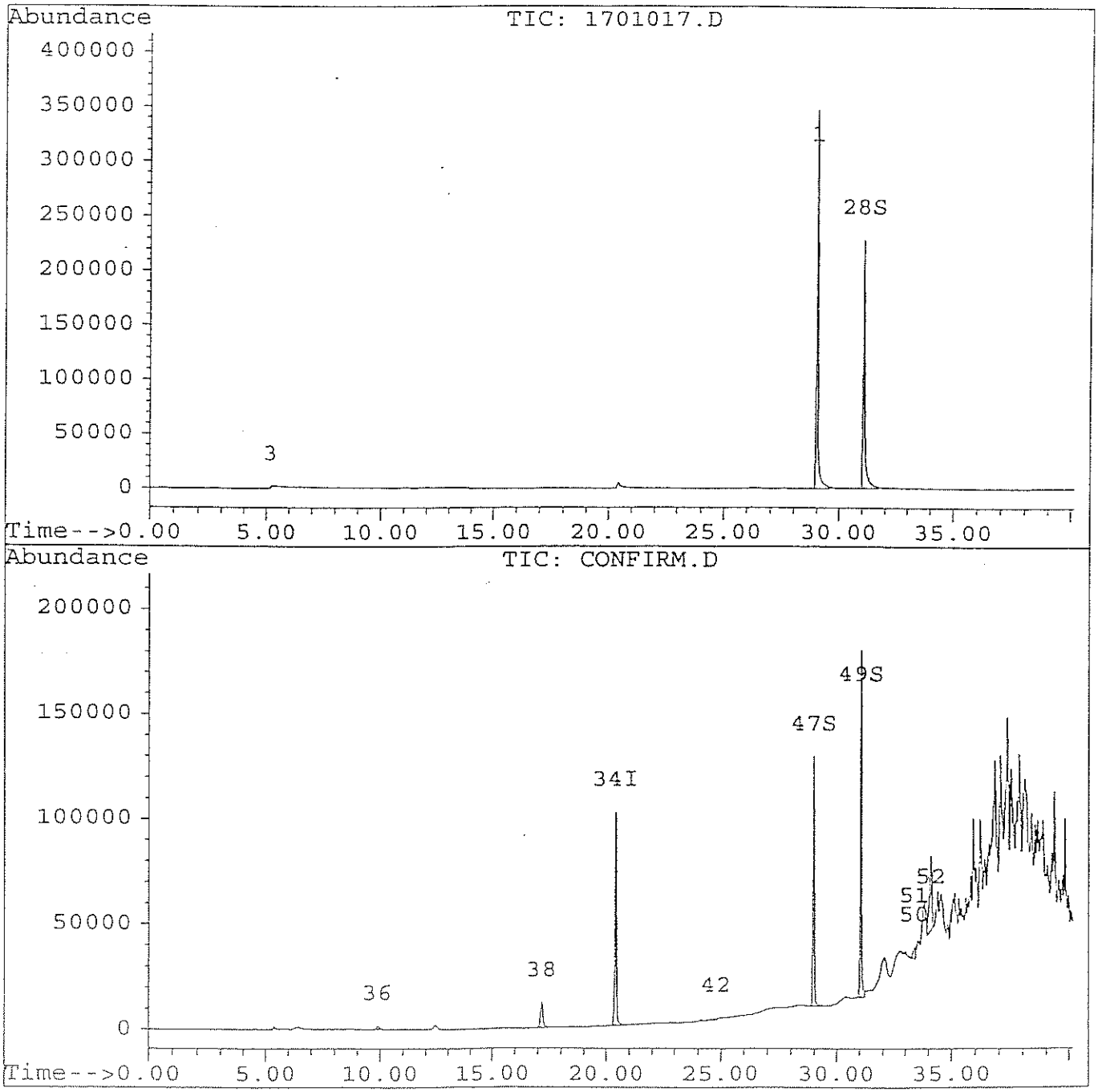
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\052698\1701017.D Vial: 17
Signal #2 : C:\HPCHEM\5\DATA\052698\1701017.D\CONFIRM.D
Acq On : 26 May 98 11:31 PM Operator:
Sample : 805113-10 5ml Inst : GC 1
Misc : Multiplr: 1.00
Quant Time: May 27 8:39 1998

Method : C:\HPCHEM\5\METHODS\1-043098.M
Title :
Last Update : Wed May 06 08:35:54 1998
Response via : Multiple Level Calibration

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



American Environmental Network (Arizona), Inc.

AEN I.D. 802304

March 11, 1998

ASL Hydrologic & Environmental Serv
1130 E. Missouri Ave #110
Phoenix, AZ 85014

Project Name/Number: WSP/236.01

Attention: Jeff Trembly

On 2/20/98, American Environmental Network (Arizona), Inc., received a request to analyze aqueous sample(s). The sample(s) were analyzed with EPA methodology or equivalent methods. The results of these analyses and the quality control data, which follow each set of analyses, are enclosed.

Due to matrix interferences, EPA method 502.2 analysis of samples MW-P-2 and DEI-12 was performed at a dilution. The reporting limits have been raised accordingly.

D indicates the compound was analyzed at a greater dilution.

If you have any questions or comments, please do not hesitate to contact us at (602) 496-4400.

Marcia A. Smith
Project Manager
MS/acc
Enclosure

ADHS License No. AZ0061
Alan Kleinschmidt, Regional General Manager

American Environmental Network (Arizona), Inc.

CLIENT : ASL HYDROLOGIC & ENV. SERVICES
PROJECT # : 236.01
PROJECT NAME : WSP
ATI I.D. : 802304

DATE RECEIVED : 02/20/98
REPORT DATE : 03/09/98

ATI #	CLIENT DESCRIPTION	MATRIX	DATE COLLECTED
01	MW-P-2	AQUEOUS	02/19/98
02	MW-P-1	AQUEOUS	02/19/98
03	DEI-12	AQUEOUS	02/19/98
04	DEI-10	AQUEOUS	02/19/98
05	EQUIPMENT BLANK	AQUEOUS	02/19/98
06	TRIP BLANK	AQUEOUS	02/19/98

----- TOTALS -----

MATRIX	# SAMPLES
AQUEOUS	6

ATI STANDARD DISPOSAL PRACTICE

All samples from this project will be disposed of in thirty (30) days from the date of this report. If an extended storage period is required, please contact our sample control department before the scheduled disposal date.

American Environmental Network (Arizona), Inc.

GENERAL CHEMISTRY RESULTS

ATI I.D. : 802304

CLIENT : ASL HYDROLOGIC & ENV. SERVICES
PROJECT # : 236.01
PROJECT NAME : WSP

DATE RECEIVED : 02/20/98
REPORT DATE : 03/09/98

PARAMETER	UNITS	01	02	03	04
PETROLEUM HYDROCARBONS,418.1	MG/L	<1	<1	4	<1
		MW-P-2	MW-P-1	DEI-2	DEI-10

American Environmental Network (Arizona), Inc.

GENERAL CHEMISTRY - QUALITY CONTROL

CLIENT : ASL HYDROLOGIC & ENV. SERVICES
PROJECT # : 236.01
PROJECT NAME : WSP ATI I.D. : 802304

PARAMETER	UNITS	ATI I.D.	SAMPLE RESULT	DUP. RESULT	RPD	SPIKED SAMPLE	SPIKE CONC	% REC
PETROLEUM HYDROCARBONS	MG/L	80230402	<1	<1	NA	10	10	100

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative Percent Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

merican Environmental Network (Arizona), Inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 80230401

TEST : EPA METHOD 502.2

C IENT	: ASL HYDROLOGIC & ENV. SERVICES	DATE SAMPLED	: 02/19/98
PROJECT #	: 236.01	DATE RECEIVED	: 02/20/98
PROJECT NAME	: WSP	DATE EXTRACTED	: N/A
C IENT I.D.	: MW-P-2	DATE ANALYZED	: 02/25/98
S.MPLE MATRIX	: AQUEOUS	UNITS	: UG/L
		DILUTION FACTOR	: 10

C MPOUNDS	RESULTS
V NYL CHLORIDE	<5.0
E NZENE	<5.0
CARBON TETRACHLORIDE	<5.0
1,2-DICHLOROETHANE	<5.0
T ICHLOROETHYLENE (TCE)	<5.0
P.RA-DICHLOROBENZENE	<5.0
1,1-DICHLOROETHYLENE	<5.0
T 1,1-TRICHLOROETHANE	<5.0
C T.,2-DICHLOROETHYLENE	<5.0
1,2-DICHLOROPROPANE	<5.0
F THYLBENZENE	<5.0
C HLOROBENZENE	<5.0
ORTHO-DICHLOROBENZENE	<5.0
TETRACHLOROETHYLENE	15
T OLUENE	<5.0
T.ANS-1,2-DICHLOROETHYLENE	<5.0
TOTAL XYLENES	<5.0
S TYRENE	<5.0
C HLOROMETHANE	<50
BROMOMETHANE	<20
C HLOROETHANE	<20
D BROMOMETHANE	<5.0
1,1-DICHLOROPROPENE	<5.0
1,3-DICHLOROPROPANE	<5.0
,2,3-TRICHLOROPROPANE	<5.0
,2-DICHLOROPROPANE	<5.0
CHLOROFORM	9
B ROMOFORM	<5.0
R OMODICHLOROMETHANE	<5.0
CHLORODIBROMOMETHANE	<5.0
D ICHLOROMETHANE	<20
R THO-CHLOROTOLUENE	<5.0
P ARA-CHLOROTOLUENE	<5.0
MET.-DICHLOROBENZENE	<5.0
, DICHLOROETHANE	<5.0
,1,2-TRICHLOROETHANE	<5.0
1,1,1,2-TETRACHLOROETHANE	<5.0
,1,2,2-TETRACHLOROETHANE	<5.0
R OMOBENZENE	<5.0
D ICHLORODIFLUOROMETHANE	<50
TRICHLOROFLUOROMETHANE	<10

merican Environmental Network (Arizona), Inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 80230401

T ST : EPA METHOD 502.2

COMPOUNDS	RESULTS
BROMOCHLOROMETHANE	<5.0
1 2-DIBROMOETHANE	<5.0
I O-PROPYLBENZENE	<5.0
N-PROPYLBENZENE	<5.0
1,3,5-TRIMETHYLBENZENE	<5.0
1 2,4-TRIMETHYLBENZENE	<5.0
T RT-BUTYLBENZENE	<5.0
SEC-BUTYLBENZENE	<5.0
P ISOPROPYLTOLUENE	<5.0
N BUTYLBENZENE	<5.0
1,2-DIBROMO-3-CHLOROPROPANE	<5.0
1 2,4-TRICHLOROBENZENE	<5.0
N APHTHALENE	<5.0
1,2,3-TRICHLOROBENZENE	<5.0
HEXACHLOROBUTADIENE	<5.0
T RANS-1,3-DICHLOROPROPENE	<5.0
C 1,3-DICHLOROPROPENE	<5.0

SURROGATE PERCENT RECOVERIES

1-CHLORO-2-FLUOROBENZENE (PID) %	95
BROMOFLUOROBENZENE (HALL) %	100

American Environmental Network (Arizona), Inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 80230402

TEST : EPA METHOD 502.2

CLIENT	: ASL HYDROLOGIC & ENV. SERVICES	DATE SAMPLED	: 02/19/98
PROJECT #	: 236.01	DATE RECEIVED	: 02/20/98
PROJECT NAME	: WSP	DATE EXTRACTED	: N/A
CLIENT I.D.	: MW-P-1	DATE ANALYZED	: 02/25/98
SAMPLE MATRIX	: AQUEOUS	UNITS	: UG/L
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
VINYL CHLORIDE	<0.5
BENZENE	1.1
CARBON TETRACHLORIDE	<0.5
1,2-DICHLOROETHANE	<0.5
TRICHLOROETHYLENE (TCE)	13
PARA-DICHLOROBENZENE	<0.5
1,1-DICHLOROETHYLENE	<0.5
1,1,1-TRICHLOROETHANE	<0.5
CIS-1,2-DICHLOROETHYLENE	2.6
1,2-DICHLOROPROPANE	<0.5
ETHYLBENZENE	<0.5
CHLOROBENZENE	<0.5
ORTHO-DICHLOROBENZENE	<0.5
TETRACHLOROETHYLENE	2.5
TOLUENE	<0.5
TRANS-1,2-DICHLOROETHYLENE	<0.5
TOTAL XYLENES	<0.5
STYRENE	<0.5
CHLOROMETHANE	<5
BROMOMETHANE	<2
CHLOROETHANE	<2
DIBROMOMETHANE	<0.5
1,1-DICHLOROPROPENE	<0.5
1,3-DICHLOROPROPANE	<0.5
1,2,3-TRICHLOROPROPANE	<0.5
2,2-DICHLOROPROPANE	1.7
CHLOROFORM	1.3
BROMOFORM	<0.5
BROMODICHLOROMETHANE	<0.5
CHLORODIBROMOMETHANE	<0.5
DICHLOROMETHANE	<2
ORTHO-CHLOROTOLUENE	<0.5
PARA-CHLOROTOLUENE	<0.5
META-DICHLOROBENZENE	<0.5
1,1-DICHLOROETHANE	<0.5
1,1,2-TRICHLOROETHANE	<0.5
1,1,1,2-TETRACHLOROETHANE	<0.5
1,1,2,2-TETRACHLOROETHANE	<0.5
BROMOBENZENE	<0.5
DICHLORODIFLUOROMETHANE	<5
TRICHLOROFLUOROMETHANE	<1

merican Environmental Network (Arizona), Inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 80230402

T ST : EPA METHOD 502.2

COMPOUNDS	RESULTS
BROMOCHLOROMETHANE	<0.5
1,2-DIBROMOETHANE	<0.5
I O-PROPYLBENZENE	1.1
N PROPYLBENZENE	<0.5
1,3,5-TRIMETHYLBENZENE	<0.5
1 2,4-TRIMETHYLBENZENE	<0.5
T RT-BUTYLBENZENE	<0.5
SEC-BUTYLBENZENE	2.4
P ISOPROPYLTOLUENE	<0.5
N BUTYLBENZENE	<0.5
1,2-DIBROMO-3-CHLOROPROPANE	<0.5
1.2,4-TRICHLOROBENZENE	<0.5
N APHTHALENE	<0.5
1,2,3-TRICHLOROBENZENE	<0.5
HEXACHLOROBUTADIENE	<0.5
T ANS-1,3-DICHLOROPROPENE	<0.5
(1,3-DICHLOROPROPENE	<0.5
SURROGATE PERCENT RECOVERIES	
1-CHLORO-2-FLUOROBENZENE (PID) %	92
BROMOFLUOROBENZENE (HALL) %	105

American Environmental Network (Arizona), Inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 80230403

TEST : EPA METHOD 502.2

CLIENT	: ASL HYDROLOGIC & ENV. SERVICES	DATE SAMPLED	: 02/19/98
PROJECT #	: 236.01	DATE RECEIVED	: 02/20/98
PROJECT NAME	: WSP	DATE EXTRACTED	: N/A
CLIENT I.D.	: DEI-12	DATE ANALYZED	: 02/25/98
SAMPLE MATRIX	: AQUEOUS	UNITS	: UG/L
		DILUTION FACTOR	: 200

COMPOUNDS	RESULTS
VINYL CHLORIDE	<100
BENZENE	9400 D
CARBON TETRACHLORIDE	<100
1,2-DICHLOROETHANE	<100
TRICHLOROETHYLENE (TCE)	<100
PARA-DICHLOROBENZENE	<100
1,1-DICHLOROETHYLENE	<100
1,1,1-TRICHLOROETHANE	<100
T 1,2-DICHLOROETHYLENE	<100
1,2-DICHLOROPROPANE	<100
ETHYLBENZENE	1200
CHLOROBENZENE	<100
ORTHO-DICHLOROBENZENE	<100
TETRACHLOROETHYLENE	<100
TOLUENE	3800
TRANS-1,2-DICHLOROETHYLENE	<100
TOTAL XYLENES	4200
STYRENE	<100
CHLOROMETHANE	<1000
BROMOMETHANE	<400
CHLOROETHANE	<400
DIBROMOMETHANE	<100
1,1-DICHLOROPROPENE	<100
1,3-DICHLOROPROPANE	<100
1,2,3-TRICHLOROPROPANE	<100
2,2-DICHLOROPROPANE	<100
CHLOROFORM	<100
BROMOFORM	<100
BROMODICHLOROMETHANE	<100
CHLORODIBROMOMETHANE	<400
DICHLOROMETHANE	<100
ORTHO-CHLOROTOLUENE	<100
PARA-CHLOROTOLUENE	<100
META-DICHLOROBENZENE	<100
1,1-DICHLOROETHANE	<100
1,1,2-TRICHLOROETHANE	<100
1,1,1,2-TETRACHLOROETHANE	<100
1,1,2,2-TETRACHLOROETHANE	<100
BROMOBENZENE	<1000
DICHLORODIFLUOROMETHANE	<200
TRICHLOROFLUOROMETHANE	

merican Environmental Network (Arizona), Inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 80230403

TEST : EPA METHOD 502.2

COMPOUNDS	RESULTS
BROMOCHLOROMETHANE	<100
1,2-DIBROMOETHANE	<100
ISO-PROPYLBENZENE	<100
N-PROPYLBENZENE	130
1,3,5-TRIMETHYLBENZENE	340
1,2,4-TRIMETHYLBENZENE	990
TERT-BUTYLBENZENE	<100
SEC-BUTYLBENZENE	<100
P-ISOPROPYLTOLUENE	<100
N-BUTYLBENZENE	110
1,2-DIBROMO-3-CHLOROPROPANE	<100
1,2,4-TRICHLOROBENZENE	<100
NAPHTHALENE	360
1,2,3-TRICHLOROBENZENE	<100
HEXACHLOROBUTADIENE	<100
TRANS-1,3-DICHLOROPROPENE	<100
CIS 1,3-DICHLOROPROPENE	<100
SURROGATE PERCENT RECOVERIES	
1-CHLORO-2-FLUOROBENZENE (PID) %	97
BROMOFLUOROBENZENE (HALL) %	105

merican Environmental Network (Arizona), Inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 80230404

TEST : EPA METHOD 502.2

CLIENT	: ASL HYDROLOGIC & ENV. SERVICES	DATE SAMPLED	: 02/19/98
PROJECT #	: 236.01	DATE RECEIVED	: 02/20/98
PROJECT NAME	: WSP	DATE EXTRACTED	: N/A
CLIENT I.D.	: DEI-10	DATE ANALYZED	: 02/25/98
SAMPLE MATRIX	: AQUEOUS	UNITS	: UG/L
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
VINYL CHLORIDE	<0.5
BENZENE	230 D
CARBON TETRACHLORIDE	<0.5
1,2-DICHLOROETHANE	6.5
TRICHLOROETHYLENE (TCE)	7.6
PARA-DICHLOROBENZENE	<0.5
1,1-DICHLOROETHYLENE	<0.5
1,1,1-TRICHLOROETHANE	<0.5
CIS 1,2-DICHLOROETHYLENE	1.3
1,2-DICHLOROPROPANE	<0.5
ETHYLBENZENE	16
CHLOROBENZENE	<0.5
ORTHO-DICHLOROBENZENE	<0.5
TETRACHLOROETHYLENE	12
TOLUENE	180 D
TRANS-1,2-DICHLOROETHYLENE	<0.5
TOTAL XYLENES	130
STYRENE	<0.5
CHLOROMETHANE	<5
BROMOMETHANE	<2
CHLOROETHANE	<2
DIBROMOMETHANE	<0.5
1,1-DICHLOROPROPENE	<0.5
1,3-DICHLOROPROPANE	<0.5
1,2,3-TRICHLOROPROPANE	<0.5
2,2-DICHLOROPROPANE	0.6
CHLOROFORM	3.6
BROMOFORM	<0.5
BROMODICHLOROMETHANE	<0.5
CHLORODIBROMOMETHANE	<0.5
DICHLOROMETHANE	<2
ORTHO-CHLOROTOLUENE	<0.5
PARA-CHLOROTOLUENE	<0.5
META-DICHLOROBENZENE	<0.5
1,1-DICHLOROETHANE	<0.5
1,1,2-TRICHLOROETHANE	<0.5
1,1,1,2-TETRACHLOROETHANE	<0.5
1,1,2,2-TETRACHLOROETHANE	<0.5
BROMOBENZENE	<5
DICHLORODIFLUOROMETHANE	<1
TRICHLOROFLUOROMETHANE	

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GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 80230404

T"ST : EPA METHOD 502.2

COMPOUNDS	RESULTS
E.OMOCHLOROMETHANE	<0.5
1,2-DIBROMOETHANE	<0.5
] O-PROPYLBENZENE	0.8
N PROPYLBENZENE	1.7
1,3,5-TRIMETHYLBENZENE	9.0
1,2,4-TRIMETHYLBENZENE	20
ERT-BUTYLBENZENE	<0.5
SEC-BUTYLBENZENE	<0.5
P-ISOPROPYLTOLUENE	<0.5
N-BUTYLBENZENE	3.2
1,2-DIBROMO-3-CHLOROPROPANE	<0.5
1,2,4-TRICHLOROBENZENE	<0.5
NAPHTHALENE	5.3
1,2,3-TRICHLOROBENZENE	<0.5
HEXACHLOROBUTADIENE	<0.5
TRANS-1,3-DICHLOROPROPENE	<0.5
CIS 1,3-DICHLOROPROPENE	<0.5

SURROGATE PERCENT RECOVERIES

4-CHLORO-2-FLUOROBENZENE (PID) %	99
BROMOFLUOROBENZENE (HALL) %	104

American Environmental Network (Arizona), Inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 80230405

TEST : EPA METHOD 502.2

CLIENT	: ASL HYDROLOGIC & ENV. SERVICES	DATE SAMPLED	: 02/19/98
PROJECT #	: 236.01	DATE RECEIVED	: 02/20/98
PROJECT NAME	: WSP	DATE EXTRACTED	: N/A
CLIENT I.D.	: EQUIPMENT BLANK	DATE ANALYZED	: 02/25/98
SAMPLE MATRIX	: AQUEOUS	UNITS	: UG/L
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
VINYL CHLORIDE	<0.5
BENZENE	<0.5
CARBON TETRACHLORIDE	<0.5
1,2-DICHLOROETHANE	<0.5
TRICHLOROETHYLENE (TCE)	<0.5
PARA-DICHLOROBENZENE	<0.5
1,1-DICHLOROETHYLENE	<0.5
1,1,1-TRICHLOROETHANE	<0.5
1,2-DICHLOROETHYLENE	<0.5
1,2-DICHLOROPROPANE	<0.5
ETHYLBENZENE	<0.5
CHLOROBENZENE	<0.5
ORTHO-DICHLOROBENZENE	<0.5
TETRACHLOROETHYLENE	<0.5
TOLUENE	<0.5
TRANS-1,2-DICHLOROETHYLENE	<0.5
TOTAL XYLENES	<0.5
STYRENE	<0.5
CHLOROMETHANE	<5
BROMOMETHANE	<2
CHLOROETHANE	<2
DIBROMOMETHANE	<0.5
1,1-DICHLOROPROPENE	<0.5
1,3-DICHLOROPROPANE	<0.5
1,2,3-TRICHLOROPROPANE	<0.5
2,2-DICHLOROPROPANE	<0.5
CHLOROFORM	<0.5
BROMOFORM	<0.5
BROMODICHLOROMETHANE	<0.5
CHLORODIBROMOMETHANE	<0.5
DICHLOROMETHANE	<2
ORTHO-CHLOROTOLUENE	<0.5
PARA-CHLOROTOLUENE	<0.5
META-DICHLOROBENZENE	<0.5
1,1-DICHLOROETHANE	<0.5
1,1,2-TRICHLOROETHANE	<0.5
1,1,1,2-TETRACHLOROETHANE	<0.5
1,1,2,2-TETRACHLOROETHANE	<0.5
BROMOBENZENE	<0.5
DICHLORODIFLUOROMETHANE	<5
TRICHLOROFLUOROMETHANE	<1

merican Environmental Network (Arizona), Inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 80230405

TEST : EPA METHOD 502.2

COMPOUNDS	RESULTS
B OMOCHLOROMETHANE	<0.5
1,2-DIBROMOETHANE	<0.5
I O-PROPYLBENZENE	<0.5
N PROPYLBENZENE	<0.5
1,3,5-TRIMETHYLBENZENE	<0.5
1 2,4-TRIMETHYLBENZENE	<0.5
T RT-BUTYLBENZENE	<0.5
S C-BUTYLBENZENE	<0.5
P-ISOPROPYLTOLUENE	<0.5
N BUTYLBENZENE	<0.5
1,2-DIBROMO-3-CHLOROPROPANE	<0.5
1,2,4-TRICHLOROBENZENE	<0.5
N PHTHALENE	<0.5
1 2,3-TRICHLOROBENZENE	<0.5
HEXACHLOROBUTADIENE	<0.5
TRANS-1,3-DICHLOROPROPENE	<0.5
C ,3-DICHLOROPROPENE	<0.5

SURROGATE PERCENT RECOVERIES

1 CHLORO-2-FLUOROBENZENE (PID) %	93
BROMOFLUOROBENZENE (HALL) %	95

American Environmental Network (Arizona), Inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 80230406

TEST : EPA METHOD 502.2

CLIENT	: ASL HYDROLOGIC & ENV. SERVICES	DATE SAMPLED	: 02/19/98
PROJECT #	: 236.01	DATE RECEIVED	: 02/20/98
PROJECT NAME	: WSP	DATE EXTRACTED	: N/A
CLIENT I.D.	: TRIP BLANK	DATE ANALYZED	: 02/25/98
SAMPLE MATRIX	: AQUEOUS	UNITS	: UG/L
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
VINYL CHLORIDE	<0.5
BENZENE	<0.5
CARBON TETRACHLORIDE	<0.5
1,2-DICHLOROETHANE	<0.5
TRICHLOROETHYLENE (TCE)	<0.5
PARA-DICHLOROBENZENE	<0.5
1,1-DICHLOROETHYLENE	<0.5
1,1,1-TRICHLOROETHANE	<0.5
CIS 1,2-DICHLOROETHYLENE	<0.5
1,2 DICHLOROPROPANE	<0.5
ETHYLBENZENE	<0.5
CHLOROBENZENE	<0.5
ORTHO-DICHLOROBENZENE	<0.5
TETRACHLOROETHYLENE	<0.5
TOLUENE	<0.5
TRANS-1,2-DICHLOROETHYLENE	<0.5
TOTAL XYLENES	<0.5
STYRENE	<0.5
CHLOROMETHANE	<5
BROMOMETHANE	<2
CHLOROETHANE	<2
DIBROMOMETHANE	<0.5
1,1-DICHLOROPROPENE	<0.5
1,3-DICHLOROPROPANE	<0.5
1,2,3-TRICHLOROPROPANE	<0.5
2,2-DICHLOROPROPANE	<0.5
CHLOROFORM	<0.5
BROMOFORM	<0.5
BROMODICHLOROMETHANE	<0.5
CHLORODIBROMOMETHANE	<0.5
DICHLOROMETHANE	<2
ORTHO-CHLOROTOLUENE	<0.5
PARA-CHLOROTOLUENE	<0.5
META-DICHLOROBENZENE	<0.5
1,1 DICHLOROETHANE	<0.5
1,1,2-TRICHLOROETHANE	<0.5
1,1,1,2-TETRACHLOROETHANE	<0.5
1,1,2,2-TETRACHLOROETHANE	<0.5
BROMOBENZENE	<0.5
DICHLORODIFLUOROMETHANE	<5
TRICHLOROFLUOROMETHANE	<1

American Environmental Network (Arizona), Inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 80230406

TEST : EPA METHOD 502.2

COMPOUNDS	RESULTS
BROMOCHLOROMETHANE	<0.5
1,2-DIBROMOETHANE	<0.5
ISO-PROPYLBENZENE	<0.5
N-PROPYLBENZENE	<0.5
1,3,5-TRIMETHYLBENZENE	<0.5
1,2,4-TRIMETHYLBENZENE	<0.5
TERT-BUTYLBENZENE	<0.5
SEC-BUTYLBENZENE	<0.5
P-ISOPROPYLTOLUENE	<0.5
N-BUTYLBENZENE	<0.5
1,2-DIBROMO-3-CHLOROPROPANE	<0.5
1,2,4-TRICHLOROBENZENE	<0.5
NAPHTHALENE	<0.5
1,2,3-TRICHLOROBENZENE	<0.5
HEXACHLOROBUTADIENE	<0.5
TRANS-1,3-DICHLOROPROPENE	<0.5
CIS 1,3-DICHLOROPROPENE	<0.5
SURROGATE PERCENT RECOVERIES	
4-CHLORO-2-FLUOROBENZENE (PID) %	92
BROMOFLUOROBENZENE (HALL) %	102

American Environmental Network (Arizona), Inc.

GAS CHROMATOGRAPHY - RESULTS

REAGENT BLANK

TEST : EPA METHOD 502.2

CLIENT	: ASL HYDROLOGIC & ENV. SERVICES	ATI I.D.	: 802304
PROJECT #	: 236.01	DATE EXTRACTED	: N/A
PROJECT NAME	: WSP	DATE ANALYZED	: 02/24/98
CLIENT I.D.	: REAGENT BLANK	UNITS	: UG/L
		DILUTION FACTOR	: N/A

COMPOUNDS	RESULTS
VINYL CHLORIDE	<0.5
BENZENE	<0.5
CARBON TETRACHLORIDE	<0.5
1,2-DICHLOROETHANE	<0.5
TRICHLOROETHYLENE (TCE)	<0.5
PARA-DICHLOROBENZENE	<0.5
1,1-DICHLOROETHYLENE	<0.5
1,1,1-TRICHLOROETHANE	<0.5
CIS-1,2-DICHLOROETHYLENE	<0.5
1,2-DICHLOROPROPANE	<0.5
ETHYLBENZENE	<0.5
[illegible]ROBENZENE	<0.5
ORTHO-DICHLOROBENZENE	<0.5
TETRACHLOROETHYLENE	<0.5
TOLUENE	<0.5
TRANS-1,2-DICHLOROETHYLENE	<0.5
TOTAL XYLENES	<0.5
STYRENE	<0.5
CHLOROMETHANE	<5
BROMOMETHANE	<2
CHLOROETHANE	<2
DIBROMOMETHANE	<0.5
1,1-DICHLOROPROPENE	<0.5
1,3-DICHLOROPROPANE	<0.5
1,2,3-TRICHLOROPROPANE	<0.5
2,2-DICHLOROPROPANE	<0.5
CHLOROFORM	<0.5
BROMOFORM	<0.5
BROMODICHLOROMETHANE	<0.5
CHLORODIBROMOMETHANE	<0.5
DICHLOROMETHANE	<2
ORTHO-CHLOROTOLUENE	<0.5
PARA-CHLOROTOLUENE	<0.5
META-DICHLOROBENZENE	<0.5
1,1-DICHLOROETHANE	<0.5
1,1,2-TRICHLOROETHANE	<0.5
1,1,1,2-TETRACHLOROETHANE	<0.5
1,1,2,2-TETRACHLOROETHANE	<0.5
BROMOBENZENE	<0.5
DICHLORODIFLUOROMETHANE	<5
TRICHLOROFLUOROMETHANE	<1
BROMOCHLOROMETHANE	<0.5
1,2-DIBROMOETHANE	<0.5

American Environmental Network (Arizona), Inc.

GAS CHROMATOGRAPHY - RESULTS

REAGENT BLANK

ATI I.D. : 802304

TEST : EPA METHOD 502.2

COMPOUNDS	RESULTS
ISO-PROPYLBENZENE	<0.5
N PROPYLBENZENE	<0.5
1,3,5-TRIMETHYLBENZENE	<0.5
1.2,4-TRIMETHYLBENZENE	<0.5
TERT-BUTYLBENZENE	<0.5
SEC-BUTYLBENZENE	<0.5
P-ISOPROPYLTOLUENE	<0.5
N BUTYLBENZENE	<0.5
1 2-DIBROMO-3-CHLOROPROPANE	<0.5
1,2,4-TRICHLOROBENZENE	<0.5
NAPHTHALENE	<0.5
1 2,3-TRICHLOROBENZENE	<0.5
HEXACHLOROBUTADIENE	<0.5
TRANS-1,3-DICHLOROPROPENE	<0.5
(1,3-DICHLOROPROPENE	<0.5

SURROGATE PERCENT RECOVERIES

CHLORO-2-FLUOROBENZENE (PID) %	94
BROMOFLUOROBENZENE (HALL) %	104

American Environmental Network (Arizona), Inc.

GAS CHROMATOGRAPHY - RESULTS

REAGENT BLANK

TEST : EPA METHOD 502.2

CLIENT	: ASL HYDROLOGIC & ENV. SERVICES	ATI I.D.	: 802304
PROJECT #	: 236.01	DATE EXTRACTED	: N/A
PROJECT NAME	: WSP	DATE ANALYZED	: 02/25/98
CLIENT I.D.	: REAGENT BLANK	UNITS	: UG/L
		DILUTION FACTOR	: N/A

COMPOUNDS	RESULTS
VINYL CHLORIDE	<0.5
BENZENE	<0.5
CARBON TETRACHLORIDE	<0.5
1,2-DICHLOROETHANE	<0.5
TRICHLOROETHYLENE (TCE)	<0.5
PARA-DICHLOROBENZENE	<0.5
1,1-DICHLOROETHYLENE	<0.5
1,1,1-TRICHLOROETHANE	<0.5
CIS-1,2-DICHLOROETHYLENE	<0.5
1,2-DICHLOROPROPANE	<0.5
ETHYLBENZENE	<0.5
CHLOROBENZENE	<0.5
ORTHO-DICHLOROBENZENE	<0.5
TETRACHLOROETHYLENE	<0.5
TOLUENE	<0.5
TRANS-1,2-DICHLOROETHYLENE	<0.5
TOTAL XYLENES	<0.5
STYRENE	<0.5
CHLOROMETHANE	<5
BROMOMETHANE	<2
CHLOROETHANE	<2
DIBROMOMETHANE	<0.5
1,1-DICHLOROPROPENE	<0.5
1,3-DICHLOROPROPANE	<0.5
1,2,3-TRICHLOROPROPANE	<0.5
2,2-DICHLOROPROPANE	<0.5
CHLOROFORM	<0.5
BROMOFORM	<0.5
BROMODICHLOROMETHANE	<0.5
CHLORODIBROMOMETHANE	<0.5
DICHLOROMETHANE	<2
ORTHO-CHLOROTOLUENE	<0.5
PARA-CHLOROTOLUENE	<0.5
META-DICHLOROBENZENE	<0.5
1,1-DICHLOROETHANE	<0.5
1,1,2-TRICHLOROETHANE	<0.5
1,1,1,2-TETRACHLOROETHANE	<0.5
1,1,2,2-TETRACHLOROETHANE	<0.5
BROMOBENZENE	<0.5
DICHLORODIFLUOROMETHANE	<5
TRICHLOROFLUOROMETHANE	<1
BROMOCHLOROMETHANE	<0.5
1,2-DIBROMOETHANE	<0.5

American Environmental Network (Arizona), Inc.

GAS CHROMATOGRAPHY - RESULTS

REAGENT BLANK

ATI I.D. : 802304

TEST : EPA METHOD 502.2

COMPOUNDS	RESULTS
ISO-PROPYLBENZENE	<0.5
N-PROPYLBENZENE	<0.5
1,3,5-TRIMETHYLBENZENE	<0.5
1,2,4-TRIMETHYLBENZENE	<0.5
TERT-BUTYLBENZENE	<0.5
SEC-BUTYLBENZENE	<0.5
P-ISOPROPYLTOLUENE	<0.5
N-BUTYLBENZENE	<0.5
1,2-DIBROMO-3-CHLOROPROPANE	<0.5
1,2,4-TRICHLOROBENZENE	<0.5
NAPHTHALENE	<0.5
1,2,3-TRICHLOROBENZENE	<0.5
HEXACHLOROBUTADIENE	<0.5
TRANS-1,3-DICHLOROPROPENE	<0.5
CIS 1,3-DICHLOROPROPENE	<0.5

SURROGATE PERCENT RECOVERIES

4-CHLORO-2-FLUOROBENZENE (PID) %	93
BROMOFLUOROBENZENE (HALL) %	105

American Environmental Network (Arizona), Inc.

QUALITY CONTROL DATA

ATI I.D. : 802304

TEST : EPA METHOD 502.2

CLIENT : ASL HYDROLOGIC & ENV. SERVICES
PROJECT # : 236.01
PROJECT NAME : WSP
R F I.D. : 80299901

DATE ANALYZED : 02/25/98
SAMPLE MATRIX : AQUEOUS
UNITS : UG/L

COMPOUNDS	SAMPLE RESULT	CONC. SPIKED	SPIKED SAMPLE	% REC.	DUP. SPIKED SAMPLE	DUP. % REC.	RPD
1,1-DICHLOROETHYLENE	<0.5	10.0	9.0	90	9.1	91	1
TRICHLOROETHENE	<0.5	10.0	11.2	112	11.1	111	1
TETRACHLOROETHENE	<0.5	10.0	11.1	111	11.0	110	1
BENZENE	<0.5	10.0	10.0	100	9.7	97	3
BROMODICHLOROMETHANE	<0.5	10.0	10.8	108	10.8	108	0
CHLOROFORM	<0.5	10.0	10.8	108	11.0	110	2
1,1,1-TRICHLOROETHANE	<0.5	10.0	11.6	116	11.6	116	0
TOLUENE	<0.5	10.0	10.2	102	9.8	98	4
CHLOROBENZENE	<0.5	10.0	10.1	101	10.1	101	0
N-BUTYLBENZENE	<0.5	10.0	10.3	103	10.0	100	3

$$\text{Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative \% Difference)} = \frac{(\text{Spiked Sample Result} - \text{Duplicate Spike Sample Result})}{\text{Average of Spiked Sample}} \times 100$$

American Environmental Network (Arizona), Inc.

DATE OF ANALYSIS REPORT

AEN ID: 802304

09-Mar-98

METHOD	SAMPLE #	DATE	ANALYST
EPA METHOD 502.2	01	02/25/98	ANUPA JAIN
	02	02/25/98	ANUPA JAIN
	03	02/25/98	ANUPA JAIN
	04	02/25/98	ANUPA JAIN
	05	02/25/98	ANUPA JAIN
	06	02/25/98	ANUPA JAIN
PETROLEUM HYDROCARBONS, IR	01	03/05/98	MARIA A. RIVERA
	02	03/05/98	MARIA A. RIVERA
	03	03/05/98	MARIA A. RIVERA
	04	03/05/98	MARIA A. RIVERA

Methods for Chemical Analysis of Water and Wastes, EPA-600 4-79-020, March 1983

Methods for the Determination of Organic Compounds in Drinking Water, EPA 600/4-88/039, December 1988, Revised, July 1991

AEN American Environmental Network (Arizona), Inc.
830 S Street,
Phoenix, Arizona 85044
(602) 496-4400

CHAIN OF CUSTODY

DATE _____ PAGE 1 OF 1

EN L D. 802304

REPORT: Attn. to: JEFF TREMBLY

COMPANY: ASL Hydrologic + ENV Service
ADDRESS: 1130 E Missouri Ave, #110
PHOENIX AZ 85014
PHONE: (602) 263-9522
FAX: 263-7765

BILL TO: Same
COMPANY:
ADDRESS:

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	MATRIX	LAB ID	TPH IR 416.1	Diesel (BLS-191)	M8015 Diesel C10 - C22	M8015 C6 - C32 (GRO 080 050)	M8015 Gas C6-C10	BTEX GC 602 / 8021 / 8020	PCB 608 / 8082 / 8080	Pesticides 508 / 608 / 8081 / 8080	Herbicides 515.1 / 8151 / 8150	PAH HPLC 610 / 8310	SV GC/MS 625 / 8270 Tics: Yes / No	VOC Halocarbons GC 601 / 8021 / 8010	VOC Aromatics GC 602 / 8021 / 8020	VOC GC/MS 624 / 8260 / 8240 Tics: Yes / No	VOC GC/MS 524.2 (DW)	VOC GC 502.2 (DW)	Total 8 RCRA Metals	TCLP 8 RCRA Metals (1311)	NUMBER OF CONTAINERS
MW-P-2	2/19/98	1045	H_2O	1	X															X			4
MW-P-1	2/19/98	1245	↓	2	X															X			4
DEI-12	2/19/98	330	↓	3	X															X			4
DEI-10	2/19/98	515	↓	4	X															X			4
Equipment Blank	2/19/98	440	↓	5																X			2
Trip Blank	2/18/98	0730	↓	6																X			1

PROJECT INFORMATION

PROJ. NO.: 236.01
PROJ. NAME: WSP
PO NO.:
SHIPPED VIA:

☐ UST (72 hr ext.) ☐ NPDES ☐ SDWA ☐ RCRA ☐ OTHER

SAMPLE RECEIPT

NO. CONTAINERS: 19
CUSTODY SEALS: Y / N / NA
RECEIVED INTACT: Y / N / NA
RECEIVED ICE: Y / N / NA

PRIOR AUTHORIZATION IS REQUIRED FOR RUSH PROJECTS

(RUSH) ☐ 24hr ☐ 48hr ☐ 72hr ☐ 1 WEEK (NORMAL) ☒ 2 WEEKS

Drinking Water Methods Req. Yes / No

Comments:

SAMPLED & RELINQUISHED BY: 1.

Signature: [signature] Time: 8:57
Printed Name: Marguerite Ariso Date:
Company: ASL Phone: 263-9522

RELINQUISHED BY: 2.

Signature: Time:
Printed Name: Date:
Company:

RELINQUISHED BY: 3.

Signature: Time:
Printed Name: Date:
Company:

RECEIVED BY: 1.

Signature: Time:
Printed Name: Date:
Company:

RECEIVED BY: 2.

Signature: Time:
Printed Name: Date:
Company:

RECEIVED BY: (LAB) 3.

Signature: Lucas Menendez Time: 08:57
Printed Name: Lucas Menendez Date: 2/20/98
American Environmental Network

PLEASE FILL THIS FORM IN COMPLETELY. SHADED AREAS ARE FOR LAB USE ONLY.