



PSC 99



# City of Albuquerque

ENTERED

## Environmental Health Department

Environmental Services Division

P.O. Box 1293

Albuquerque, NM 87103

(505)768-2600

(505)768-2617 fax

### Fax Cover Sheet

TO KIRBY OLSON

LOCATION NMED

FAX NUMBER 505-827-1544

PAGES TO FOLLOW 10

FROM DOUG EARP

DATE 8/24/97 TIME \_\_\_\_\_ AM/PM

VOC results for Aug. 1997 sampling of wells NCLF-4,

NCLF-5 NCLF-6 NCLF-7 and NCLF-8

new wells

STATE OF NEW MEXICO

DEPARTMENT OF HEALTH

## SCIENTIFIC LABORATORY DIVISION

P.O. Box 4700  
Albuquerque, NM 87196-4700700 Camino de Salud, NE  
[505] 841-2500

ORGANIC CHEMISTRY SECTION [505] 841-2570

REPORT TO CLIENT: 

Mary Carnes

Albuq. Environ. Health Dept.

Environmental Services Div

P.O. Box 1293

Albuquerque, NM 87103

SLD No.: OR-9901586

REQUEST ID No.: 2291489

RECEIVED AT SLD: 8/12/99

SLD COPY

USER

30110

SAMPLE COLLECTION: DATE: 8/11/99

TIME: 1315

BY: CARNES

SAMPLING LOCATION: NCLF-4

SAMPLE MATRIX: Water

REPORTING UNITS: µg/L

Remarks:

Sample marked as: being preserved with Hydrochloric Acid;

## EPA METHOD 8260 MASS SPECTROMETER VOLATILES BY PURGE AND TRAP

DATE EXTRACTED: N/A

DATE ANALYZED:

SAMPLE VOL (ml): 5

ANALYSIS No.: OR-9901586

SLD BATCH No.: 269

DILUTION FACTOR: 1.00

REQUEST ID No.: 2291489

SAMPLE PRESERVATION: Sample Temperature when received: 12 Degrees C.; pH = 3

CAS #	ANALYTE NAME	CONC. (µg/L)	QUAL.	SDL
71-43-2	Benzene		U	1.0
108-86-1	Bromobenzene		U	1.0
74-97-5	Bromochloromethane		U	1.0
75-27-4	Bromodichloromethane*		U	1.0
75-25-2	Bromoform*		U	1.0
74-83-9	Bromomethane		U	1.0
78-93-3	2-Butanone (MEK)		U	10.0
104-51-8	n-Butylbenzene		U	1.0
135-98-8	sec-Butylbenzene		U	1.0
98-06-6	tert-Butylbenzene		U	1.0
1634-04-4	tert-Butyl methyl ether (MTBE)		U	10.0
56-23-5	Carbon tetrachloride		U	1.0
108-90-7	Chlorobenzene (monochlorobenzene)		U	1.0
75-00-3	Chloroethane		U	1.0
67-66-3	Chloroform*		U	1.0
74-87-3	Chloromethane		U	1.0
95-49-8	2-Chlorotoluene		U	1.0
106-43-4	4-Chlorotoluene		U	1.0
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		U	1.0
124-48-1	Dibromochloromethane*		U	1.0
106-93-4	1,2-Dibromoethane (Ethylene dibromide (EDB))		U	1.0
74-95-3	Dibromomethane		U	1.0
95-50-1	1,2-Dichlorobenzene (o-Dichlorobenzene)		U	1.0
541-73-1	1,3-Dichlorobenzene (m-Dichlorobenzene)		U	1.0
106-46-7	1,4-Dichlorobenzene (p-Dichlorobenzene)		U	1.0
75-71-8	Dichlorodifluoromethane		U	1.0
75-34-3	1,1-Dichloroethane		U	1.0
107-06-2	1,2-Dichloroethane		U	1.0
75-35-4	1,1-Dichloroethene		U	1.0
156-59-2	cis-1,2-Dichloroethene		U	1.0
156-60-5	trans-1,2-Dichloroethene		U	1.0
78-87-5	1,2-Dichloropropane		U	1.0
142-28-9	1,3-Dichloropropane		U	1.0
594-20-7	2,2-Dichloropropane		U	1.0
563-58-6	1,1-Dichloropropene		U	1.0

1006-10-15	cis-1,3-Dichloropropene		U	1.0
1006-10-26	trans-1,3-Dichloropropene		U	1.0
100-41-4	Ethylbenzene		U	1.0
87-68-3	Hexachlorobutadiene		U	1.0
98-82-8	Isopropylbenzene		U	1.0
99-87-6	4-Isopropyltoluene		U	1.0
75-09-2	Methylene chloride (Dichloromethane)		U	2.0
91-20-3	Naphthalene		U	1.0
103-65-1	Propylbenzene		U	1.0
100-42-5	Styrene		U	1.0
630-20-6	1,1,1,2-Tetrachloroethane		U	1.0
79-34-5	1,1,2,2-Tetrachloroethane		U	1.0
127-18-4	Tetrachloroethene	2.2		1.0
109-99-9	Tetrahydrofuran (THF)		U	10.0
108-88-3	Toluene		U	1.0
87-61-6	1,2,3-Trichlorobenzene		U	1.0
120-82-1	1,2,4-Trichlorobenzene		U	1.0
71-55-6	1,1,1-Trichloroethane		U	1.0
79-00-5	1,1,2-Trichloroethane		U	1.0
79-01-6	Trichloroethene		U	1.0
75-69-4	Trichlorofluoromethane		U	1.0
96-18-4	1,2,3-Trichloropropane		U	1.0
95-63-6	1,2,4-Trimethylbenzene		U	1.0
108-67-8	1,3,5-Trimethylbenzene		U	1.0
75-01-4	Vinyl Chloride		U	1.0
95-47-6	o-Xylene*		U	1.0
N/A	p- & m-Xylenes*		U	1.0
N/A	*Total Xylenes*	0.0	U	1.0
N/A	*Total Trihalomethanes*	0.0	U	1.0

## Laboratory Remarks:

LABORATORY BATCH QUALITY CONTROL SUMMARY			
SURROGATE RECOVERIES:	SURROGATE COMPOUNDS	CONCENTRATION	% RECOVERY
	Dibromofluoromethane	9.56	96%
	1,2-Dichloroethane-d4	10.31	103%
	Toluene-d8	9.5	95%
	4-Bromofluorobenzene	8.12	81%
LABORATORY FORTIFIED BLANK RECOVERIES	The percent recoveries for compounds in the batch spike were within 80% to 120% with the exception of the compound(s) listed below: COMPOUND                      CONCENTRATION (ug/L)    % RECOVERY <b>No Exceptions</b>		
LABORATORY BLANKS	No target compounds were detected above the sample detection limit in laboratory blank with the exception of the compound(s) listed below: COMPOUND                      CONCENTRATION (ug/L) <b>No Exceptions</b>		

Analyst: CR Cyndl ReynoldsQC Approved By: T.H.C. Timothy Chapman

## DEFINITIONS

- \*\* Concentration Exceeds EPA's allowable Maximum Contamination Level
- CAS# Chemical Abstract Services Number - Unique number to help identify analytes listed by different names
- CONC. Concentration (ug/L) of analyte actually detected in the sample
- QUAL Qualifier of analytical results as follows:
- B Analyte was detected in laboratory blank
  - E Analyte was detected at a level above the concentration of the calibration curve.
  - J Analyte was detected at a level below which an accurate quantitation can be given ( ~5 \* SDL)
  - U No analyte was detected above the Sample Detection Limit.
- SDL Sample Detection Limit - The lowest concentration which can be differentiated from Zero with 99% confidence taking sample size (compositing) into account.
- ug/L Concentration Units - micrograms per liter which is approximately equivalent to Parts Per Billion (ppb)

STATE OF NEW MEXICO

DEPARTMENT OF HEALTH

## SCIENTIFIC LABORATORY DIVISION

P.O. Box 4700  
Albuquerque, NM 87196-4700700 Camino de Salud, NE  
[505] 841-2500

ORGANIC CHEMISTRY SECTION [505] 841-2570

REPORT TO CLIENT: 

Mary Carnes
Albuq. Environ. Health Dept.
Environmental Services Div
P.O. Box 1293
Albuquerque, NM 87103

SLD No.: OR- 9901585

REQUEST ID No.: 2291490

RECEIVED AT SLD: 8/12/99

SLD COPY USER 30110

SAMPLE COLLECTION: DATE: 8/11/99 TIME: 1030 BY: CARNES

SAMPLING LOCATION: NCLF-5

SAMPLE MATRIX: Water

REPORTING UNITS: µg/L

Remarks: Sample marked as: being preserved with Hydrochloric Acid;

## EPA METHOD 8260 MASS SPECTROMETER VOLATILES BY PURGE AND TRAP

DATE EXTRACTED: N/A

DATE ANALYZED: 8/16/99 5 Days; Within EPA Analysis Time

SAMPLE VOL (ml): 5

ANALYSIS No.: OR- 9901585

SLD BATCH No.: 269

DILUTION FACTOR: 1.00

REQUEST ID No.: 2291490

SAMPLE PRESERVATION: Sample Temperature when received: 11 Degrees C.; pH = 2

CAS #	ANALYTE NAME	CONC. (µg/L)	QUAL	SDL
71-43-2	Benzene		U	1.0
108-86-1	Bromobenzene		U	1.0
74-97-5	Bromochloromethane		U	1.0
75-27-4	Bromodichloromethane*		U	1.0
75-25-2	Bromoform*		U	1.0
74-83-9	Bromomethane		U	1.0
78-93-3	2-Butanone (MEK)		U	10.0
104-51-8	n-Butylbenzene		U	1.0
135-98-8	sec-Butylbenzene		U	1.0
98-06-6	tert-Butylbenzene		U	1.0
1634-04-4	tert-Butyl methyl ether (MTBE)		U	10.0
56-23-5	Carbon tetrachloride		U	1.0
108-90-7	Chlorobenzene (monochlorobenzene)		U	1.0
75-00-3	Chloroethane		U	1.0
67-66-3	Chloroform*		U	1.0
74-87-3	Chloromethane		U	1.0
95-49-8	2-Chlorotoluene		U	1.0
106-43-4	4-Chlorotoluene		U	1.0
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		U	1.0
124-48-1	Dibromochloromethane*		U	1.0
106-93-4	1,2-Dibromoethane (Ethylene dibromide (EDB))		U	1.0
74-95-3	Dibromomethane		U	1.0
95-50-1	1,2-Dichlorobenzene (o-Dichlorobenzene)		U	1.0
541-73-1	1,3-Dichlorobenzene (m-Dichlorobenzene)		U	1.0
106-46-7	1,4-Dichlorobenzene (p-Dichlorobenzene)		U	1.0
75-71-8	Dichlorodifluoromethane		U	1.0
75-34-3	1,1-Dichloroethane		U	1.0
107-06-2	1,2-Dichloroethane		U	1.0
75-35-4	1,1-Dichloroethene		U	1.0
156-59-2	cis-1,2-Dichloroethene		U	1.0
156-60-5	trans-1,2-Dichloroethene		U	1.0
78-87-5	1,2-Dichloropropane		U	1.0
142-28-9	1,3-Dichloropropane		U	1.0
594-20-7	2,2-Dichloropropane		U	1.0
563-58-6	1,1-Dichloropropene		U	1.0
1006-10-15	cis-1,3-Dichloropropene		U	1.0

1006-10-26	trans-1,3-Dichloropropane		U	1.0
100-41-4	Ethylbenzene		U	1.0
87-68-3	Hexachlorobutadiene		U	1.0
98-82-8	Isopropylbenzene		U	1.0
99-87-6	4-Isopropyltoluene		U	1.0
75-09-2	Methylene chloride (Dichloromethane)		U	2.0
91-20-3	Naphthalene		U	1.0
103-65-1	Propylbenzene		U	1.0
105-42-5	Styrene		U	1.0
630-20-6	1,1,1,2-Tetrachloroethane		U	1.0
79-34-5	1,1,2,2-Tetrachloroethane		U	1.0
127-18-4	Tetrachloroethane	0.4	J	1.0
109-99-9	Tetrahydrofuran (THF)		U	10.0
108-88-3	Toluene		U	1.0
87-61-6	1,2,3-Trichlorobenzene		U	1.0
120-82-1	1,2,4-Trichlorobenzene		U	1.0
71-55-6	1,1,1-Trichloroethane		U	1.0
79-00-5	1,1,2-Trichloroethane		U	1.0
79-01-6	Trichloroethene		U	1.0
75-69-4	Trichlorofluoromethane		U	1.0
96-18-4	1,2,3-Trichloropropane		U	1.0
95-63-6	1,2,4-Trimethylbenzene		U	1.0
108-67-8	1,3,5-Trimethylbenzene		U	1.0
75-01-4	Vinyl Chloride		U	1.0
95-47-6	o-Xylene		U	1.0
N/A	p- & m-Xylenes		U	1.0
N/A	*Total Xylenes*	0.0	U	1.0
N/A	*Total Trihalomethanes*	0.0	U	1.0

## Laboratory Remarks:

LABORATORY BATCH QUALITY CONTROL SUMMARY									
SURROGATE RECOVERIES:	SURROGATE COMPOUNDS	CONCENTRATION	% RECOVERY						
	Dibromofluoromethane	9.26	93%						
	1,2-Dichloroethane-d4	10.41	104%						
	Toluene-d8	9.59	96%						
	4-Bromofluorobenzene	7.96	80% Low						
LABORATORY FORTIFIED BLANK RECOVERIES	The percent recoveries for compounds in the batch spike were within 80% to 120% with the exception of the compound(s) listed below: <table border="1"> <thead> <tr> <th>COMPOUND</th> <th>CONCENTRATION (µg/L)</th> <th>% RECOVERY</th> </tr> </thead> <tbody> <tr> <td colspan="3">No Exceptions</td> </tr> </tbody> </table>			COMPOUND	CONCENTRATION (µg/L)	% RECOVERY	No Exceptions		
COMPOUND	CONCENTRATION (µg/L)	% RECOVERY							
No Exceptions									
LABORATORY BLANKS	No target compounds were detected above the sample detection limit in laboratory blank with the exception of the compound(s) listed below: <table border="1"> <thead> <tr> <th>COMPOUND</th> <th>CONCENTRATION (µg/L)</th> </tr> </thead> <tbody> <tr> <td colspan="2">No Exceptions</td> </tr> </tbody> </table>			COMPOUND	CONCENTRATION (µg/L)	No Exceptions			
COMPOUND	CONCENTRATION (µg/L)								
No Exceptions									

Analyst: CR Cyndi ReynoldsQC Approved By: T. H. C. Timothy Chapman

## DEFINITIONS

- \*\* Concentration Exceeds EPA's allowable Maximum Contamination Level
- CAS# Chemical Abstract Services Number - Unique number to help identify analytes listed by different names
- CONC. Concentration (µg/L) of analyte actually detected in the sample
- QUAL Qualifier of analytical results as follows:
- B Analyte was detected in laboratory blank
  - F Analyte was detected at a level above the concentration of the calibration curve.
  - J Analyte was detected at a level below which an accurate quantitation can be given ( $\sim 5 \cdot \text{SDL}$ )
  - U No analyte was detected above the Sample Detection Limit.
- SDL Sample Detection Limit - The lowest concentration which can be differentiated from Zero with 99% confidence taking sample size (compositing) into account.
- µg/L Concentration Units - micrograms per liter which is approximately equivalent to Parts Per Billion (ppb).

STATE OF NEW MEXICO

DEPARTMENT OF HEALTH

## SCIENTIFIC LABORATORY DIVISION

P.O. Box 4700  
Albuquerque, NM 87196-4700700 Camino de Salud, NE  
[505] 841-2500

ORGANIC CHEMISTRY SECTION (505) 841-2570

REPORT TO CLIENT: 

Mary Carnes

Albuq. Environ. Health Dept.

Environmental Services Div

P.O. Box 1293

Albuquerque, NM 87103

SLD No.: OR- 9901584

REQUEST ID No.: 2291491

RECEIVED AT SLD: 8/12/99

SLD COPY

USER 30110

SAMPLE COLLECTION: DATE: 8/10/99

TIME: 1510

BY: CARNES

SAMPLING LOCATION: NCLF-6

SAMPLE MATRIX: Water

REPORTING UNITS: µg/L

Remarks:

Sample marked as: being preserved with Hydrochloric Acid;

## EPA METHOD 8260 MASS SPECTROMETER VOLATILES BY PURGE AND TRAP

DATE EXTRACTED: N/A

DATE ANALYZED: 8/16/99 6 Days: Within EPA Analysis Time

SAMPLE VOL (ml): 5

ANALYSIS No.: OR- 9901584

SLD BATCH No.: 269

DILUTION FACTOR: 1.00

REQUEST ID No.: 2291491

SAMPLE PRESERVATION: Sample Temperature when received: 10 Degrees C.; pH = 2

CAS #	ANALYTE NAME	CONC. (µg/L)	QUAL.	SDL
71-43-2	Benzene		U	1.0
108-86-1	Bromobenzene		U	1.0
74-97-5	Bromochloromethane		U	1.0
75-27-4	Bromodichloromethane*		U	1.0
75-25-2	Bromoform*		U	1.0
74-83-9	Bromomethane		U	1.0
78-93-3	2-Butanone (MEK)		U	10.0
104-51-8	n-Butylbenzene		U	1.0
135-98-8	sec-Butylbenzene		U	1.0
98-06-6	tert-Butylbenzene		U	1.0
1634-04-4	tert-Butyl methyl ether (MTBE)		U	10.0
56-23-5	Carbon tetrachloride		U	1.0
108-90-7	Chlorobenzene (monochlorobenzene)		U	1.0
75-00-3	Chloroethane		U	1.0
67-66-3	Chloroform*		U	1.0
74-87-3	Chloromethane		U	1.0
95-49-8	2-Chlorotoluene		U	1.0
106-43-4	4-Chlorotoluene		U	1.0
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		U	1.0
124-48-1	Dibromochloromethane*		U	1.0
106-93-4	1,2-Dibromoethane (Ethylene dibromide (EDB))		U	1.0
74-95-3	Dibromomethane		U	1.0
95-50-1	1,2-Dichlorobenzene (o-Dichlorobenzene)		U	1.0
541-73-1	1,3-Dichlorobenzene (m-Dichlorobenzene)		U	1.0
106-46-7	1,4-Dichlorobenzene (p-Dichlorobenzene)		U	1.0
75-71-8	Dichlorodifluoromethane		U	1.0
75-34-3	1,1-Dichloroethane		U	1.0
107-06-2	1,2-Dichloroethane		U	1.0
75-35-4	1,1-Dichloroethene		U	1.0
156-59-2	cis-1,2-Dichloroethene		U	1.0
156-60-5	trans-1,2-Dichloroethene		U	1.0
78-87-5	1,2-Dichloropropane		U	1.0
142-28-9	1,3-Dichloropropane		U	1.0
594-20-7	2,2-Dichloropropane		U	1.0
563-58-6	1,1-Dichloropropene		U	1.0
1006-10-15	cis-1,3-Dichloropropene		U	1.0

1006-10-26	trans-1,3-Dichloropropene		U	1.0
100-41-4	Ethylbenzene		U	1.0
87-68-3	Hexachlorobutadiene		U	1.0
98-82-8	Isopropylbenzene		U	1.0
99-87-6	4-Isopropyltoluene		U	1.0
75-09-2	Methylene chloride (Dichloromethane)		U	2.0
91-20-3	Naphthalene		U	1.0
103-65-1	Propylbenzene		U	1.0
100-42-5	Styrene		U	1.0
630-20-6	1,1,1,2-Tetrachloroethane		U	1.0
79-34-5	1,1,2,2-Tetrachloroethane		U	1.0
127-18-4	Tetrachloroethene	1.7		1.0
109-99-9	Tetrahydrofuran (THF)		U	10.0
108-88-3	Toluene		U	1.0
87-61-6	1,2,3-Trichlorobenzene		U	1.0
120-82-1	1,2,4-Trichlorobenzene		U	1.0
71-55-6	1,1,1-Trichloroethane		U	1.0
79-00-5	1,1,2-Trichloroethane		U	1.0
79-01-6	Trichloroethene		U	1.0
75-69-4	Trichlorofluoromethane		U	1.0
96-18-4	1,2,3-Trichloropropane		U	1.0
95-63-6	1,2,4-Trimethylbenzene		U	1.0
108-67-8	1,3,5-Trimethylbenzene		U	1.0
75-01-4	Vinyl Chloride		U	1.0
95-47-6	o-Xylene*		U	1.0
N/A	p- & m-Xylenes*		U	1.0
N/A	*Total Xylenes*	0.0	U	1.0
N/A	*Total Trihalomethanes*	0.0	U	1.0

Laboratory Remarks:

## LABORATORY BATCH QUALITY CONTROL SUMMARY

SURROGATE	SURROGATE COMPOUNDS	CONCENTRATION	% RECOVERY
RECOVERIES:	Dibromofluoromethane	9.51	95%
	1,2-Dichloroethane-d4	9.98	100%
	Toluene-d8	9.62	96%
	4-Bromofluorobenzene	7.92	79% Low
LABORATORY FORTIFIED	The percent recoveries for compounds in the batch spike were within 80% to 120% with the exception of the compound(s) listed below:		
BLANK RECOVERIES	COMPOUND	CONCENTRATION (µg/L)	% RECOVERY
	No Exceptions		
LABORATORY BLANKS	No target compounds were detected above the sample detection limit in laboratory blank with the exception of the compound(s) listed below:		
	COMPOUND	CONCENTRATION (µg/L)	
	No Exceptions		

Analyst: CR Cyndi ReynoldsQC Approved By: T.H.C. Timothy Chapman

## DEFINITIONS

**	Concentration Exceeds EPA's allowable Maximum Contamination Level
CAS#	Chemical Abstract Services Number - Unique number to help identify analytes listed by different names
CONC.	Concentration (µg/L) of analyte actually detected in the sample
QUAL	Qualifier of analytical results as follows:
	B Analyte was detected in laboratory blank
	E Analyte was detected at a level above the concentration of the calibration curve.
	J Analyte was detected at a level below which an accurate quantitation can be given (~5 * SDL)
	U No analyte was detected above the Sample Detection Limit.
SDL	Sample Detection Limit - The lowest concentration which can be differentiated from Zero with 99% confidence taking sample size (compositing) into account.
µg/L	Concentration Units - micrograms per liter which is approximately equivalent to Parts Per Billion (ppb)

STATE OF NEW MEXICO

DEPARTMENT OF HEALTH

## SCIENTIFIC LABORATORY DIVISION

P.O. Box 4700  
Albuquerque, NM 87196-4700700 Camino de Salud, NE  
[505] 841-2500

ORGANIC CHEMISTRY SECTION (505) 841-2570

REPORT TO CLIENT: 

Mary Carnes

Albuq. Environ. Health Dept.

Environmental Services Div

P.O. Box 1293

Albuquerque, NM 87103

SLD No.: OR-9901583

REQUEST ID No.: 2286999

RECEIVED AT SLD: 8/12/99

SLD COPY

USER

30110

SAMPLE COLLECTION: DATE: 8/10/99 TIME: 1330 BY: CARNES  
 SAMPLING LOCATION: NAZARETH/CORONADO LANDFILL NCLF-7  
 SAMPLE MATRIX: Water REPORTING UNITS: µg/L

Remarks:

Sample marked as: being preserved with Hydrochloric Acid;

## EPA METHOD 8260 MASS SPECTROMETER VOLATILES BY PURGE AND TRAP

DATE EXTRACTED: N/A

DATE ANALYZED: 8/16/99 6 Days: Within EPA Analysis TimeSAMPLE VOL (ml): 5

ANALYSIS No.: OR-9901583

SLD BATCH No.: 269

DILUTION FACTOR: 1.00

REQUEST ID No.: 2286999

SAMPLE PRESERVATION: Sample Temperature when received: 10 Degrees C.; pH = 3

CAS #	ANALYTE NAME	CONC. (µg/L)	QUAL.	SDL
71-43-2	Benzene		U	1.0
108-86-1	Bromobenzene		U	1.0
74-97-5	Bromochloromethane		U	1.0
75-27-4	Bromodichloromethane*		U	1.0
75-25-2	Bromoform*		U	1.0
74-83-9	Bromomethane		U	1.0
78-93-3	2-Butanone (MEK)		U	10.0
104-51-8	n-Butylbenzene		U	1.0
135-98-8	sec-Butylbenzene		U	1.0
98-06-6	tert-Butylbenzene		U	1.0
1634-04-4	tert-Butyl methyl ether (MTBE)		U	10.0
56-23-5	Carbon tetrachloride		U	1.0
108-90-7	Chlorobenzene (monochlorobenzene)		U	1.0
75-00-3	Chloroethane		U	1.0
67-66-3	Chloroform*		U	1.0
74-87-3	Chloromethane		U	1.0
95-49-8	2-Chlorotoluene		U	1.0
106-43-4	4-Chlorotoluene		U	1.0
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		U	1.0
124-48-1	Dibromochloromethane*		U	1.0
106-93-4	1,2-Dibromoethane (Ethylene dibromide (EDB))		U	1.0
74-95-3	Dibromomethane		U	1.0
95-50-1	1,2-Dichlorobenzene (o-Dichlorobenzene)		U	1.0
541-73-1	1,3-Dichlorobenzene (m-Dichlorobenzene)		U	1.0
106-46-7	1,4-Dichlorobenzene (p-Dichlorobenzene)		U	1.0
75-71-8	Dichlorodifluoromethane		U	1.0
75-34-3	1,1-Dichloroethane		U	1.0
107-06-2	1,2-Dichloroethane		U	1.0
75-35-4	1,1-Dichloroethene		U	1.0
156-59-2	cis-1,2-Dichloroethene		U	1.0
156-60-5	trans-1,2-Dichloroethene		U	1.0
78-87-5	1,2-Dichloropropane		U	1.0
142-28-9	1,3-Dichloropropane		U	1.0
594-20-7	2,2-Dichloropropane		U	1.0
563-58-6	1,1-Dichloropropene		U	1.0
1006-10-15	cis-1,3-Dichloropropene		U	1.0



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User Code: 13  
Submitter

1006-10-26	trans-1,3-Dichloropropene		U	1.0
100-41-4	Ethylbenzene		U	1.0
87-68-3	Hexachlorobutadione		U	1.0
98-82-8	Isopropylbenzene		U	1.0
99-87-6	4-Isopropyltoluene		U	1.0
75-09-2	Methylene chloride (Dichloromethane)		U	2.0
91-20-3	Naphthalene		U	1.0
103-65-1	Propylbenzene		U	1.0
100-42-5	Styrene		U	1.0
630-20-6	1,1,1,2-Tetrachloroethane		U	1.0
79-34-5	1,1,2,2-Tetrachloroethane		U	1.0
127-18-4	Tetrachloroethene	1.7		1.0
109-99-9	Tetrahydrofuran (THF)		U	10.0
108-88-3	Toluene		U	1.0
87-61-6	1,2,3-Trichlorobenzene		U	1.0
120-82-1	1,2,4-Trichlorobenzene		U	1.0
71-55-6	1,1,1-Trichloroethane		U	1.0
79-00-5	1,1,2-Trichloroethane		U	1.0
79-01-6	Trichloroethene		U	1.0
75-69-4	Trichlorofluoromethane		U	1.0
96-18-4	1,2,3-Trichloropropane		U	1.0
95-63-6	1,2,4-Trimethylbenzene		U	1.0
108-67-8	1,3,5-Trimethylbenzene		U	1.0
75-01-4	Vinyl Chloride		U	1.0
95-47-6	o-Xylene*		U	1.0
N/A	p- & m-Xylenes*		U	1.0
N/A	*Total Xylenes*	0.0	U	1.0
N/A	*Total Trihalomethanes*	0.0	U	1.0

Laboratory Remarks:

LABORATORY BATCH QUALITY CONTROL SUMMARY									
SURROGATE RECOVERIES:	SURROGATE COMPOUNDS	CONCENTRATION	% RECOVERY						
	Dibromofluoromethane	9.36	94%						
	1,2-Dichloroethane-d4	10.37	104%						
	Toluene-d8	9.7	97%						
	4-Bromofluorobenzene	7.99	80% Low						
LABORATORY FORTIFIED BLANK RECOVERIES	The percent recoveries for compounds in the batch spike were within 80% to 120% with the exception of the compound(s) listed below: <table border="1"> <thead> <tr> <th>COMPOUND</th> <th>CONCENTRATION (ug/L)</th> <th>% RECOVERY</th> </tr> </thead> <tbody> <tr> <td colspan="3">No Exceptions</td> </tr> </tbody> </table>			COMPOUND	CONCENTRATION (ug/L)	% RECOVERY	No Exceptions		
COMPOUND	CONCENTRATION (ug/L)	% RECOVERY							
No Exceptions									
LABORATORY BLANKS	No target compounds were detected above the sample detection limit in laboratory blank with the exception of the compound(s) listed below: <table border="1"> <thead> <tr> <th>COMPOUND</th> <th>CONCENTRATION (ug/L)</th> </tr> </thead> <tbody> <tr> <td colspan="2">No Exceptions</td> </tr> </tbody> </table>			COMPOUND	CONCENTRATION (ug/L)	No Exceptions			
COMPOUND	CONCENTRATION (ug/L)								
No Exceptions									

Analyst: CR

Cyndi Reynolds

QC Approved By:

T.H.C.  
Timothy Chapman

DEFINITIONS

- \*\* Concentration Exceeds EPA's allowable Maximum Contamination Level
- CAS# Chemical Abstract Services Number - Unique number to help identify analytes listed by different names
- CONC. Concentration (ug/L) of analyte actually detected in the sample
- QUAL Qualifier of analytical results as follows:
  - B Analyte was detected in laboratory blank
  - E Analyte was detected at a level above the concentration of the calibration curve.
  - J Analyte was detected at a level below which an accurate quantitation can be given (-5 \* SDI)
  - U No analyte was detected above the Sample Detection Limit.
- SDL Sample Detection Limit - The lowest concentration which can be differentiated from Zero with 99% confidence taking sample size (compositing) into account.
- ug/L Concentration Units - micrograms per liter which is approximately equivalent to Parts Per Billion (ppb)

STATE OF NEW MEXICO

DEPARTMENT OF HEALTH

## SCIENTIFIC LABORATORY DIVISION

P.O. Box 4700  
Albuquerque, NM 87196-4700700 Camino de Salud, NE  
[505] 841-2500

ORGANIC CHEMISTRY SECTION (505) 841-2570

REPORT TO CLIENT: 

Mary Carnes

Albuq. Environ. Health Dept.

Environmental Services Div

P.O. Box 1293

Albuquerque, NM 87103

SLD No.: OR- 9901582

REQUEST ID No.: 2287001

RECEIVED AT SLD: 8/12/99

SLD COPY USER 30110

SAMPLE COLLECTION: DATE: 8/10/99 TIME: 1115 BY: CARNES  
 SAMPLING LOCATION: NCLF-8  
 SAMPLE MATRIX: Water REPORTING UNITS: µg/L

Remarks: Sample marked as: being preserved with Hydrochloric Acid;

## EPA METHOD 8260 MASS SPECTROMETER VOLATILES BY PURGE AND TRAP

DATE EXTRACTED: NA  
 DATE ANALYZED: 8/16/99 6 Days: Within EPA Analysis Time  
 SAMPLE VOL (ml): 5

ANALYSIS No.: OR- 9901582

SLD BATCH No.: 269

DILUTION FACTOR: 1.00

REQUEST ID No.: 2287001

SAMPLE PRESERVATION: Sample Temperature when received: 9 Degrees C.; pH = 3

CAS #	ANALYTE NAME	CONC. (µg/L)	QUAL.	SDL
71-43-2	Benzene		U	1.0
108-86-1	Bromobenzene		U	1.0
74-97-5	Bromochloromethane		U	1.0
75-27-4	Bromodichloromethane*		U	1.0
75-25-2	Bromoform*		U	1.0
74-83-9	Bromomethane		U	1.0
78-93-3	2-Butanone (MEK)		U	10.0
104-51-8	n-Butylbenzene		U	1.0
135-98-8	sec-Butylbenzene		U	1.0
98-06-6	tert-Butylbenzene		U	1.0
1634-04-4	tert-Butyl methyl ether (MTBE)		U	10.0
56-23-5	Carbon tetrachloride		U	1.0
108-90-7	Chlorobenzene (monochlorobenzene)		U	1.0
75-00-3	Chloroethane		U	1.0
67-66-3	Chloroform*		U	1.0
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96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		U	1.0
124-48-1	Dibromochloromethane*		U	1.0
106-93-4	1,2-Dibromoethane (Ethylene dibromide (EDB))		U	1.0
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127-18-4	Tetrachloroethene	2.8		1.0
109-99-9	Tetrahydrofuran (THF)		U	10.0
108-88-3	Toluene		U	1.0
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N/A	p- & m-Xylenes*		U	1.0
N/A	*Total Xylenes*	0.0	U	1.0
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## Laboratory Remarks:

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Analyst: CR Cyndi ReynoldsQC Approved By: T.H.C. Timothy Chapman**DEFINITIONS**

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