

3R - 327

**GENERAL
CORRESPONDENCE**

YEAR(S):

1999-1998

OFF: (505) 325-5667



LAB: (505) 325-1556

February 23, 1999

Maureen Gannon
PNM - Public Service Company of NM
Alvarado Square Mail Stop 0408
Albuquerque, NM 87158
TEL: (505) 241-2974
FAX (505) 241-2340

1st Quarter 1999

RE: Linda 1A

Order No.: 9902067

Dear Maureen Gannon,

On Site Technologies, LTD. received 4 samples on 2/11/99 for the analyses presented in the following report.

The Samples were analyzed for the following tests:
BTEX (SW8021B)

There were no problems with the analyses and all data for associated QC met EPA or laboratory specifications except where noted in the Case Narrative.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

A handwritten signature in black ink, appearing to read "David Cox".

David Cox

OFF: (505) 325-5667



LAB: (505) 325-1556

On Site Technologies, LTD.

Date: 23-Feb-99

CLIENT: PNM - Public Service Company of NM
Project: Linda 1A
Lab Order: 9902067

CASE NARRATIVE

Samples were analyzed using the methods outlined in the following references:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, 3rd Edition

All method blanks, laboratory spikes, and/or matrix spikes met quality assurance objectives.

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 23-Feb-99

Client:	PNM - Public Service Company of NM	Client Sample Info:	Linda 1A
Work Order:	9902067	Client Sample ID:	9902111420; MW-1
Lab ID:	9902067-01A	Matrix:	AQUEOUS
Project:	Linda 1A	Collection Date:	2/11/99 2:20:00 PM
		COC Record:	7531

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
BTEX		SW8021B				Analyst: HR
Benzene	ND	0.5		µg/L	1	2/17/99
Toluene	ND	0.5		µg/L	1	2/17/99
Ethylbenzene	ND	0.5		µg/L	1	2/17/99
m,p-Xylene	1	1		µg/L	1	2/17/99
o-Xylene	ND	0.5		µg/L	1	2/17/99

Qualifiers:

PQL - Practical Quantitation Limit
ND - Not Detected at Practical Quantitation Limit
J - Analyte detected below Practical Quantitation Limit
B - Analyte detected in the associated Method Blank

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
Surr: - Surrogate

1 of 1

P.O. BOX 2606 • FARMINGTON, NM 87499

- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 23-Feb-99

Client:	PNM - Public Service Company of NM	Client Sample Info:	Linda 1A
Work Order:	9902067	Client Sample ID:	9902111450; MW-2
Lab ID:	9902067-02A	Matrix:	AQUEOUS
Project:	Linda 1A	Collection Date:	2/11/99 2:50:00 PM
		COC Record:	7531

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
BTEX		SW8021B				Analyst: HR
Benzene	ND	0.5		µg/L	1	2/17/99
Toluene	ND	0.5		µg/L	1	2/17/99
Ethylbenzene	ND	0.5		µg/L	1	2/17/99
m,p-Xylene	ND	1		µg/L	1	2/17/99
o-Xylene	ND	0.5		µg/L	1	2/17/99

Qualifiers:

PQL - Practical Quantitation Limit
ND - Not Detected at Practical Quantitation Limit
J - Analyte detected below Practical Quantitation Limit
B - Analyte detected in the associated Method Blank

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
Surr: - Surrogate

P.O. BOX 2606 • FARMINGTON, NM 87499

- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

1 of 1

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 23-Feb-99

Client:	PNM - Public Service Company of NM	Client Sample Info:	Linda 1A
Work Order:	9902067	Client Sample ID:	9902111515; MW-3
Lab ID:	9902067-03A	Matrix:	AQUEOUS
Project:	Linda 1A	Collection Date:	2/11/99 3:15:00 PM
		COC Record:	7531

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
BTEX		SW8021B				Analyst: HR
Benzene	ND	0.5		µg/L	1	2/17/99
Toluene	ND	0.5		µg/L	1	2/17/99
Ethylbenzene	ND	0.5		µg/L	1	2/17/99
m,p-Xylene	ND	1		µg/L	1	2/17/99
o-Xylene	ND	0.5		µg/L	1	2/17/99

Qualifiers:

PQL - Practical Quantitation Limit
ND - Not Detected at Practical Quantitation Limit
J - Analyte detected below Practical Quantitation Limit
B - Analyte detected in the associated Method Blank

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
Surr: - Surrogate

P.O. BOX 2606 • FARMINGTON, NM 87499

- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

1 of 1

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 23-Feb-99

Client:	PNM - Public Service Company of NM	Client Sample Info:	Linda 1A
Work Order:	9902067	Client Sample ID:	9902111535; MW-4
Lab ID:	9902067-04A	Matrix:	AQUEOUS
Project:	Linda 1A	Collection Date:	2/11/99 3:35:00 PM
		COC Record:	7531

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
BTEX		SW8021B				Analyst: HR
Benzene	ND	0.5		µg/L	1	2/17/99
Toluene	ND	0.5		µg/L	1	2/17/99
Ethylbenzene	ND	0.5		µg/L	1	2/17/99
m,p-Xylene	ND	1		µg/L	1	2/17/99
o-Xylene	ND	0.5		µg/L	1	2/17/99

Qualifiers:

PQL - Practical Quantitation Limit

S - Spike Recovery outside accepted recovery limits

ND - Not Detected at Practical Quantitation Limit

R - RPD outside accepted recovery limits

J - Analyte detected below Practical Quantitation Limit

E - Value above quantitation range

B - Analyte detected in the associated Method Blank

Surr: - Surrogate

1 of 1

P.O. BOX 2606 • FARMINGTON, NM 87499

- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

On Site Technologies, LTD.

Date: 23-Feb-99

CLIENT: PNM - Public Service Company of NM

Work Order: 9902067

Project: Linda 1A

QC SUMMARY REPORT

Method Blank

Sample ID: MB1	Batch ID: GC-1_990217	Test Code: SW8021B	Units: µg/L	Analysis Date: 2/17/99	Prep Date:
Client ID:	9902067	Run ID: GC-1_990217A		SeqNo: 11133	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Benzene	.0423	0.5			J
Ethylbenzene	ND	0.5			
m,p-Xylene	ND	1			
Methyl tert-Butyl Ether	ND	1			
o-Xylene	.0269	0.5			J
Toluene	.1228	0.5			J

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

On Site Technologies, LTD.

Date: 23-Feb-99

CLIENT: PNM - Public Service Company of NM
Work Order: 9902067
Project: Linda 1A

QC SUMMARY REPORT

Sample Matrix Spike

Sample ID: 9902063-02AMS	Batch ID: GC-1_990217	Test Code: SW8021B	Units: µg/L	Analysis Date 2/17/99	Prep Date:						
Client ID: 9902067	Run ID: GC-1_990217A			SeqNo: 11134							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	621.5	2.5	200	432.8	94.3%	73	115				
Ethylbenzene	202.6	2.5	200	0.762	100.9%	74	117				
m,p-Xylene	388.5	5	400	1.306	96.8%	76	112				
Methyl tert-Butyl Ether	205	5	200	0	102.5%	62	122				
o-Xylene	202.5	2.5	200	0.9555	100.8%	83	112				
Toluene	200.7	2.5	200	0.763	100.0%	71	120				

Sample ID: 9902063-02AMSD		Batch ID: GC-1_990217		Test Code: SW8021B		Units: µg/L		Analysis Date 2/17/99		Prep Date:	
Client ID: 9902067		Run ID: GC-1_990217A		PQL		SPK value		SeqNo: 11135			
Analyte	Result										
Benzene	631.3	2.5	200	432.8	99.2%	73	115	621.5	1.6%	8	
Ethylbenzene	205.6	2.5	200	0.762	102.4%	74	117	202.6	1.5%	9	
m,p-Xylene	393.8	5	400	1.306	98.1%	76	112	388.5	1.4%	9	
Methyl tert-Butyl Ether	203.6	5	200	0	101.8%	62	122	205	0.7%	7	
o-Xylene	205.2	2.5	200	0.9555	102.1%	83	112	202.5	1.3%	9	
Toluene	203.8	2.5	200	0.763	101.5%	71	120	200.7	1.5%	9	

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

On Site Technologies, LTD.

Date: 23-Feb-99

CLIENT: PNM - Public Service Company of NM
Work Order: 9902067
Project: Linda 1A

QC SUMMARY REPORT

Laboratory Control Spike - generic

Sample ID: LCS WATER		Batch ID: GC-1_990217		Test Code: SW8021B		Units: µg/L		Analysis Date 2/17/99		Prep Date:	
Client ID:		9902067		Run ID: GC-1_990217A				SeqNo: 11132			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	39.99	0.5	40	0.0423	99.9%	84	110				
Ethylbenzene	40.12	0.5	40	0	100.3%	86	113				
m,p-Xylene	77.23	1	80	0	96.5%	81	114				
Methyl tert-Butyl Ether	41.32	1	40	0	103.3%	69	129				
o-Xylene	39.98	0.5	40	0.0269	99.9%	86	112				
Toluene	39.75	0.5	40	0.1228	99.1%	85	111				

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

On Site Technologies, LTD.

Date: 23-Feb-99

CLIENT: PNM - Public Service Company of NM

Work Order: 9902067

Project: Linda 1A

QC SUMMARY REPORT

Continuing Calibration Verification Standard

Sample ID: CCV1 QC0606/07		Batch ID: GC-1_990217		Test Code: SW8021B		Units: µg/L		Analysis Date 2/17/99		Prep Date:	
Client ID: 9902067		Run ID: 9902067		PQL		SPK value		SeqNo: 11129			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	21.27	0.5	20	0	106.3%	85	115				
Ethylbenzene	21.16	0.5	20	0	105.8%	85	115				
m,p-Xylene	40.62	1	40	0	101.5%	85	115				
Methyl tert-Butyl Ether	21.15	1	20	0	105.8%	85	115				
o-Xylene	21.08	0.5	20	0	105.4%	85	115				
Toluene	21.04	0.5	20	0	105.2%	85	115				
1,4-Difluorobenzene	93.24	0	100	0	93.2%	84	100				
4-Bromochlorobenzene	97.55	0	100	0	97.6%	87	105				
Fluorobenzene	94.06	0	100	0	94.1%	87	99				

Sample ID: CCV2 QC0606/07		Batch ID: GC-1_990217		Test Code: SW8021B		Units: µg/L		Analysis Date 2/17/99		Prep Date:	
Client ID: 9902067		Run ID: 9902067		PQL		SPK value		SeqNo: 11130			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	21.68	0.5	20	0	108.4%	85	115				
Ethylbenzene	21.52	0.5	20	0	107.6%	85	115				
m,p-Xylene	41.22	1	40	0	103.1%	85	115				
Methyl tert-Butyl Ether	20.81	1	20	0	104.1%	85	115				
o-Xylene	21.42	0.5	20	0	107.1%	85	115				
Toluene	21.42	0.5	20	0	107.1%	85	115				
1,4-Difluorobenzene	94.01	0	100	0	94.0%	84	100				
4-Bromochlorobenzene	96.02	0	100	0	96.0%	87	105				
Fluorobenzene	94.09	0	100	0	94.1%	87	99				

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

CLIENT: PNM - Public Service Company of NM

Work Order: 9902067

Project: Linda 1A

QC SUMMARY REPORT

Continuing Calibration Verification Standard

Sample ID: CCV3 QC0606/07		Batch ID: GC-1_990217		Test Code: SW8021B		Units: µg/L		Analysis Date 2/17/99		Prep Date:	
Client ID:		9902067		Run ID: GC-1_990217A				SeqNo: 11131			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	40.77	0.5	40	0	101.9%	85	115				
Ethylbenzene	40.64	0.5	40	0	101.6%	85	115				
m,p-Xylene	77.98	1	80	0	97.5%	85	115				
Methyl tert-Butyl Ether	40.07	1	40	0	100.2%	85	115				
o-Xylene	40.58	0.5	40	0	101.4%	85	115				
Toluene	40.48	0.5	40	0	101.2%	85	115				
1,4-Difluorobenzene	93.25	0	100	0	93.2%	84	100				
4-Bromochlorobenzene	97.11	0	100	0	97.1%	87	105				
Fluorobenzene	93.63	0	100	0	93.6%	87	99				

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

On Site Technologies, LTD.

Date: 23-Feb-99

CLIENT: PNM - Public Service Company of NM

Work Order: 9902067

Project: Linda 1A

Test No: SW8021B

QC SUMMARY REPORT SURROGATE RECOVERIES

BTEX

Sample ID	14FBZ	4BCBZ	FLBZ				
9902052-01A	90.6	96.1	91.9				
9902060-04A	92.4	96.1	92.8				
9902060-05A	92.8	97	93				
9902063-02A	92.5	97.2	93.1				
9902063-02AMS	92.2	97.6	92.2				
9902063-02AMSD	92	97.1	92.2				
9902063-03A	93.6	96.9	94				
9902063-04A	94.1	97.4	94.8				
9902063-05A	94.4	96.8	94.9				
9902063-06A	87	89.5	92.3				
9902063-08A	88.1	90.8	93.9				
9902065-01A	87.1	89.4	87.7				
9902065-02A	94.1	97.6	94.7				
9902065-03A	90.8	94.8	90.8				
9902065-04A	90.4	94.6	91.3				
9902067-01A	94.8	97.2	94.6				
9902067-02A	93.7	96.6	93.8				
9902067-03A	95.2	97.5	95.5				
9902067-04A	94.4	97.3	95				
9902069-02A	91.5	93.7	92.1				
CCV1 QC0606/07	93.2	97.6	94				
CCV2 QC0606/07	94	96	94.1				
CCV3 QC0606/07	93.2	97.1	93.6				
LCS WATER	93.4	97.5	93.6				
MB1	94	96.9	95.1				

Acronym

14FBZ

4BCBZ

FLBZ

Surrogate

= 1,4-Difluorobenzene

= 4-Bromochlorobenzene

= Fluorobenzene

QC Limits

84-100

87-105

87-99

* Surrogate recovery outside acceptance limits

CHAIN OF CUSTODY RECORD

Date:

11/99

Page:

of

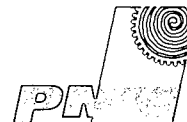
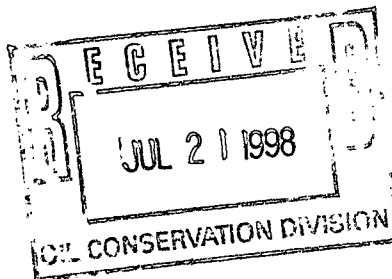
612 E. Murphy Dr. • P.O. Box 2606 • Farmington, NM 87499
LAB: (505) 325-5667 • FAX: (505) 325-6256

[illegible]

Public Service Company
of New Mexico
Alvarado Square MS 0408
Albuquerque, NM 87158

July 17, 1998

Mr. William Olson
Hydrogeologist
Oil Conservation Division
2040 So. Pacheco
Santa Fe, New Mexico 87505



RE: NOTIFICATION OF GROUNDWATER CONTAMINATION AT THE LINDA 1A WELL SITE

Dear Bill:

Pursuant to New Mexico Water Quality Control Commission (WQCC) Regulations, section 1-203, PNM hereby provides written notification of groundwater contamination at the Linda 1A well site, located in section 31, township 27 North, range 8 West, unit letter "D". A topographic map showing the location of the site is provided as an attachment. The operator is Chateau Oil. This letter follows e-mail notification provided to you on Monday, July 6, 1998 (M. Gannon, PNM to B. Olson. OCD, 7/06/98).

On June 30, 1998, PNM field personnel collected a sample from groundwater in an excavation approximately 16 feet below ground surface at the subject location. The groundwater sample was delivered to OnSite Technologies, Ltd., in Farmington, New Mexico, for laboratory analysis of BTEX using EPA method 8020. A hardcopy of the analytical results is attached and analytical results are summarized below:

Component	Units	WQCC Stds.	Pit Excavation Water Sample
Benzene	ppb	10	20
Toluene	ppb	750	28
Ethylbenzene	ppb	750	48
Xylenes	ppb	620	300
Total BTEX	ppb		396

Boldtype indicates a WQCC exceedance.

This letter serves as written notification of groundwater impact at the Linda 1A. PNM will conduct future activities at the site pursuant to PNM's Groundwater Management Plan. If you have any questions, please call me at (505) 241-2974. Thank you.

Sincerely,
PNM

A handwritten signature in cursive script, appearing to read "Maureen Gannon".

Maureen Gannon
Project Manager

MDG/LINDA1A01.LTR.

Attachment

cc: Colin Adams, PNM
Chester Deal, Chateau
Ingrid Deklau, WFS
Denny Foust, OCD-Aztec Office
Kathy Juckes, PNM- file copy
Bill von Drehle, WFS

Linda 1A S31, T27N, R8W, Unit D



FRESNO CANYON, NEW MEXICO

OFF: (505) 325-5667



LAB: (505) 325-1556

July 01, 1998

RECEIVED

JUL 06 1998

Maureen Gannon
PNM - Public Service Company of NM
Alvarado Square Mail Stop 0408
Albuquerque, NM 87158
TEL: (505) 241-2974
FAX (505) 241-2340

RE: Linda 1A

Order No.: 9806115

Dear Maureen Gannon,

On Site Technologies, LTD. received 1 sample on 6/30/98 for the analyses presented in the following report.

The Samples were analyzed for the following tests:
BTEX (SW8020A)

There were no problems with the analyses and all data for associated QC met EPA or laboratory specifications except where noted in the Case Narrative.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

A handwritten signature in dark ink, appearing to read "David Cox", written in a cursive style.

David Cox

OFF: (505) 325-5667



LAB: (505) 325-1556

On Site Technologies, LTD.

Date: 01-Jul-98

CLIENT: PNM - Public Service Company of NM

Project: Linda 1A

Lab Order: 9806115

CASE NARRATIVE

Samples were analyzed using the methods outlined in the following references:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, 3rd Edition

All method blanks, laboratory spikes, and/or matrix spikes met quality assurance objectives.

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 01-Jul-98

Client:	PNM - Public Service Company of NM	Client Sample Info:	Linda 1A
Work Order:	9806115	Client Sample ID:	9806300715; Groundwater
Lab ID:	9806115-01A	Matrix:	AQUEOUS
Project:	Linda 1A	Collection Date:	6/30/98 7:15:00 AM
		COC Record:	5242

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
BTEX		SW8020A				Analyst: DC
Benzene	20	0.5		µg/L	1	6/29/98
Toluene	28	0.5		µg/L	1	6/29/98
Ethylbenzene	48	0.5		µg/L	1	6/29/98
m,p-Xylene	250	1		µg/L	1	6/29/98
o-Xylene	50	0.5		µg/L	1	6/29/98

39-

Qualifiers:	PQL - Practical Quantitation Limit	S - Spike Recovery outside accepted recovery limits
	ND - Not Detected at Practical Quantitation Limit	R - RPD outside accepted recovery limits
	J - Analyte detected below Practical Quantitation Limit	E - Value above quantitation range
	B - Analyte detected in the associated Method Blank	Surr: - Surrogate

1 of 1

P.O. BOX 2606 • FARMINGTON, NM 87499

- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

On Site Technologies, LTD.

Date: 01-Jul-98

CLIENT: PNM - Public Service Company of NM
Work Order: 9806115
Project: Linda 1A

QC SUMMARY REPORT

Method Blank

Sample ID: MB1	Batch ID: GC-1_980629	Test Code: SW8020A	Units: µg/L	Analysis Date 6/29/98	Prep Date:						
Client ID:	9806115	Run ID: GC-1_980629A		SeqNo: 3789							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	.0605	0.5									J
Ethylbenzene	ND	0.5									
m,p-Xylene	ND	1									
Methyl tert-Butyl Ether	ND	1									
o-Xylene	ND	0.5									J
Toluene	.0959	0.5									

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

On Site Technologies, LTD.

Date: 01-Jul-98

CLIENT: PNM - Public Service Company of NM
Work Order: 9806115
Project: Linda 1A

QC SUMMARY REPORT

Sample Matrix Spike

Sample ID: 9806108-01AMS		Batch ID: GC-1_980629		Test Code: SW8020A		Units: µg/L		Analysis Date 6/29/98		Prep Date:	
Client ID:		9806115		Run ID:		GC-1_980629A		SeqNo: 3790			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	804	10	800	9.574	99.3%	56	128				
Ethylbenzene	799.9	10	800	5.584	99.3%	78	107				
m,p-Xylene	1558	20	1600	35.42	95.2%	67	118				
Methyl tert-Butyl Ether	815.6	20	800	1.918	101.7%	70	130				
o-Xylene	811.5	10	800	30.23	97.7%	78	107				
Toluene	806.7	10	800	7.356	99.9%	74	116				

Sample ID: 9806108-01AMSD		Batch ID: GC-1_980629		Test Code: SW8020A		Units: µg/L		Analysis Date 6/29/98		Prep Date:	
Client ID:		9806115		Run ID:		GC-1_980629A		SeqNo: 3791			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	801.9	10	800	9.574	99.0%	56	128	804	0.3%	12	
Ethylbenzene	828.2	10	800	5.584	102.8%	78	107	799.9	3.5%	11	
m,p-Xylene	1599	20	1600	35.42	97.7%	67	118	1558	2.6%	10	
Methyl tert-Butyl Ether	793.5	20	800	1.918	99.0%	70	130	815.6	2.7%	15	
o-Xylene	810	10	800	30.23	97.5%	78	107	811.5	0.2%	14	
Toluene	805.6	10	800	7.356	99.8%	74	116	806.7	0.1%	14	

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

On Site Technologies, LTD.

Date: 01-Jul-98

CLIENT: PNM - Public Service Company of NM
Work Order: 9806115
Project: Linda 1A

QC SUMMARY REPORT

Laboratory Control Spike - generic

Sample ID: LCS WATER	Batch ID: GC-1_980629	Test Code: SW8020A	Units: µg/L	Analysis Date 6/29/98	Prep Date:						
Client ID:	9806115	Run ID: GC-1_980629A		SeqNo: 3788							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	40.9	0.5	40	0.0605	102.1%	56	128				
Ethylbenzene	41.34	0.5	40	0	103.4%	78	107				
m,p-Xylene	79.94	1	80	0	99.9%	67	118				
Methyl tert-Butyl Ether	39.65	1	40	0	99.1%	70	130				
o-Xylene	41.28	0.5	40	0	103.2%	78	107				
Toluene	41.14	0.5	40	0.0959	102.6%	74	116				

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

On Site Technologies, LTD.

Date: 01-Jul-98

CLIENT: PNM - Public Service Company of NM
 Work Order: 9806115
 Project: Linda 1A

QC SUMMARY REPORT

Continuing Calibration Verification Standard

Sample ID: CCV1 QC0529/30		Batch ID: GC-1_980629		Test Code: SW8020A		Units: µg/L		Analysis Date 6/29/98		Prep Date:	
Client ID:		9806115		Run ID:		GC-1_980629A		SeqNo: 3783			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	21.81	0.5	20	0	109.0%	85	115				
Ethylbenzene	22.74	0.5	20	0	113.7%	85	115				
m,p-Xylene	43.02	1	40	0	107.6%	85	115				
Methyl tert-Butyl Ether	21.12	1	20	0	105.6%	85	115				
o-Xylene	21.94	0.5	20	0	109.7%	85	115				
Toluene	21.92	0.5	20	0	109.6%	85	115				
1,4-Difluorobenzene	92.74	0	100	0	92.7%	70	130				
4-Bromochlorobenzene	78.19	0	100	0	78.2%	70	130				
Fluorobenzene	92.95	0	100	0	93.0%	70	130				

Sample ID: CCV2 QC0529/30		Batch ID: GC-1_980629		Test Code: SW8020A		Units: µg/L		Analysis Date 6/29/98		Prep Date:	
Client ID:		9806115		Run ID: GC-1_980629A				SeqNo: 3784			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	20.8	0.5	20	0	104.0%	85	115				
Ethylbenzene	20.86	0.5	20	0	104.3%	85	115				
m,p-Xylene	39.92	1	40	0	99.8%	85	115				
Methyl tert-Butyl Ether	21.44	1	20	0	107.2%	85	115				
o-Xylene	21.96	0.5	20	0	109.8%	85	115				
Toluene	20.91	0.5	20	0	104.6%	85	115				
1,4-Difluorobenzene	93.16	0	100	0	93.2%	70	130				
4-Bromochlorobenzene	82.4	0	100	0	82.4%	70	130				
Fluorobenzene	92.45	0	100	0	92.5%	70	130				

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

CLIENT: PNM - Public Service Company of NM

Work Order: 9806115

Project: Linda 1A

QC SUMMARY REPORT

Continuing Calibration Verification Standard

Sample ID: CCV3 QC0529/30	Batch ID: GC-1_980629	Test Code: SW8020A	Units: µg/L	Analysis Date 6/29/98	Prep Date:
Client ID: 9806115	Run ID: GC-1_980629A	PQL	SPK value	SeqNo: 3785	
Analyte	Result	SPK	SPK Ref Val	LowLimit	HighLimit
Benzene	40.4	0.5	40	0	115
Ethylbenzene	41.74	0.5	40	0	115
m,p-Xylene	79.6	1	80	0	115
Methyl tert-Butyl Ether	38.21	1	40	0	115
o-Xylene	40.66	0.5	40	0	115
Toluene	40.64	0.5	40	0	115
1,4-Difluorobenzene	91.47	0	100	0	130
4-Bromochlorobenzene	76.37	0	100	0	130
Fluorobenzene	92.11	0	100	0	130

Sample ID: CCV4 QC0529/30	Batch ID: GC-1_980629	Test Code: SW8020A	Units: µg/L	Analysis Date 6/29/98	Prep Date:
Client ID: 9806115	Run ID: GC-1_980629A	PQL	SPK value	SeqNo: 3786	
Analyte	Result	SPK	SPK Ref Val	LowLimit	HighLimit
Benzene	20.71	0.5	20	0	115
Ethylbenzene	21.81	0.5	20	0	115
m,p-Xylene	41.38	1	40	0	115
o-Xylene	20.98	0.5	20	0	115
Toluene	20.99	0.5	20	0	115
1,4-Difluorobenzene	91.74	0	100	0	130
4-Bromochlorobenzene	69.12	0	100	0	130
Fluorobenzene	92.31	0	100	0	130

S

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

CLIENT: PNM - Public Service Company of NM

Work Order: 9806115

Project: Linda 1A

QC SUMMARY REPORT

Continuing Calibration Verification Standard

Sample ID: CCV5 QC0529/30 Batch ID: GC-1_980629 Test Code: SW8020A Units: µg/L Analysis Date 6/29/98 Prep Date:

Client ID: 9806115 Run ID: GC-1_980629A SeqNo: 3787

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	20.56	0.5	20	0	102.8%	85	115				
Ethylbenzene	20.99	0.5	20	0	105.0%	85	115				
m,p-Xylene	40.25	1	40	0	100.6%	85	115				
o-Xylene	20.86	0.5	20	0	104.3%	85	115				
Toluene	20.94	0.5	20	0	104.7%	85	115				
1,4-Difluorobenzene	91.64	0	100	0	91.6%	70	130				S
4-Bromochlorobenzene	67.61	0	100	0	67.6%	70	130				
Fluorobenzene	91.88	0	100	0	91.9%	70	130				

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

On Site Technologies, LTD.

Date: 01-Jul-98

CLIENT: PNM - Public Service Company of NM
Work Order: 9806115
Project: Linda 1A
Test No: SW8020A

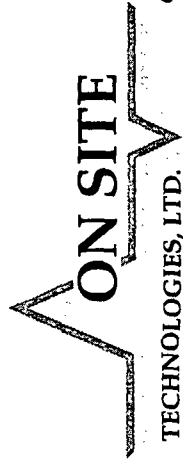
QC SUMMARY REPORT SURROGATE RECOVERIES

BTEX

Sample ID	14FBZ	4BCBZ	FLBZ					
9806097-01A	90.6	60 *	90.8					
9806097-06A	91.5	54.3 *	90.3					
9806097-07A	92.5	77.5	92.7					
9806097-08A	90.2	55.1 *	90.5					
9806097-09A	89.3	81.5	90.4					
9806097-12A	90.8	83.3	91.3					
9806097-13A	90.8	82.6	91.5					
9806097-15A	92.6	81.8	91.9					
9806108-01A	91.3	70.4	91.7					
9806108-01AMS	92.2	84.3	92.7					
9806108-01AMSD	92.1	80	92.5					
9806108-02A	91.1	60 *	91.1					
9806108-03A	91	54.8 *	90.3					
9806109-01A	91.5	68.4 *	92.7					
9806115-01A	87	76.1	89.4					
CCV1 QC0529/30	92.7	78.2	93					
CCV2 QC0529/30	93.2	82.4	92.4					
CCV3 QC0529/30	91.5	76.4	92.1					
CCV4 QC0529/30	91.7	69.1 *	92.3					
CCV5 QC0529/30	91.6	67.6 *	91.9					
LCS WATER	92.4	78.2	92.3					
MB1	93.2	72.5	93					

Acronym	Surrogate	QC Limits
14FBZ	= 1,4-Difluorobenzene	70-130
4BCBZ	= 4-Bromochlorobenzene	70-130
FLBZ	= Fluorobenzene	70-130

* Surrogate recovery outside acceptance limits

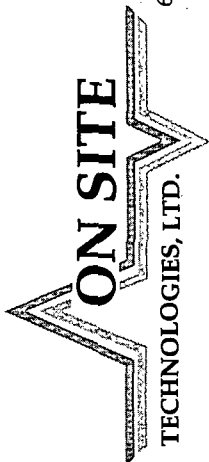


657 W. Maple • P. O. Box 2606 • Farmington NM 87499
LAB: (505) 325-5667 • FAX: (505) 325-6256

[illegible]

Distribution:	White – On Site	Yellow – LAB	Pink – Sampler	Goldenrod – Client
---------------	-----------------	--------------	----------------	--------------------

CHAIN OF CUSTODY RECORD



6557 W. Maple • P. O. Box 2606 • Farmington NM 87499
LAB: (505) 325-5667 • FAX: (505) 325-6256

[illegible]

Distribution:	White – On Site	Yellow – LAB	Pink – Sampler	Goldenrod – Client
---------------	-----------------	--------------	----------------	--------------------

Olson, William

From: MGannon[SMTP:MGannon@mail.pnm.com]
Sent: Monday, July 06, 1998 5:33 PM
To: billolson
Cc: MSikeli; billV; ingridD
Subject: Groundwater Contamination at the Linda 1A
Importance: High

PNM has discovered a new contaminated groundwater site during routine pit excavation:

Site name: Linda 1A
Location: S31 T27N R8W Unit "D"
Operator: Chateau (Synder)
Depth to GW: 16'
Contaminant Concentration: benzene 20 ppb; BTEX 396 ppb

A written notification shall be made to OCD within 15 days with a hardcopy of the analytical results. In the meantime, if you have any questions, please call me at (505) 241-2974.

Maureen Gannon

Maureen Gannon



STATE OF
NEW MEXICO
OIL
CONSERVATION
DIVISION

MEMORANDUM OF MEETING OR CONVERSATION

☒ Telephone	☐ Personal	Time 1101	Date 7/2/98
<u>Originating Party</u>		<u>Other Parties</u>	
Mark Siciliano - PNM		Bill Olson - Environmental Bureau voice mail	
<u>Subject</u>			
Linda #1A (operated by Chateron) Well site			
<u>Discussion</u>			
Notice of groundwater contamination at debris pit location - unit D, sec 31, T27N, R8W			
Initial GW results -			
Benzene 20 ppb			
Toluene 28 ppb			
Ethylbenzene 48 ppb			
Xylene 300 ppb			
<u>Conclusions or Agreements</u>			
<u>Distribution</u>		<u>Signed</u>	
file		Bill Olson	
Denny Faust - OCD Aztec			