

District III
1000 Rio Brazos Rd, Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

2040 South Pacheco Street
Santa Fe, New Mexico 87505

GW site

SUBMIT 1 COPY TO
APPROPRIATE
DISTRICT OFFICE
AND 1 COPY TO
SMA & FE OFFICE

RECEIVED

NOV - 1 1999

OIL CON. DIV.

DIST. 3

PIT REMEDIATION AND CLOSURE REPORT

Operator:		PNM Gas Services (Greystone)		Telephone:		324-3764										
Address:		603 W. Elm Street Farmington, NM 87401														
Facility or Well Name:		Linda #1A														
Location:	Unit	D	Sec	31	T	27 N	R 8 W County San Juan									
Pit Type:	Separator	☐	Dehydrator	☐	Other	Abandoned.										
Land Type:	BLM	☐	State	☐	Fee	☐	Other Navajo Reservation									
Pit Location:	Pit dimensions:		length	15 '	width	15 '	depth 3 '									
(Attach diagram)	Reference:	wellhead	☒	other												
	Footage from reference:	225'														
	Direction from reference:	15	Degrees	☒	East	North	☐									
				☐	West	South	☒									
Depth to Ground Water: <table border="0"> <tr> <td>Less than 50 feet</td> <td>(20 points)</td> <td></td> </tr> <tr> <td>50 feet to 99 feet</td> <td>(10 points)</td> <td></td> </tr> <tr> <td>Greater than 100 feet</td> <td>(0 points)</td> <td>20</td> </tr> </table> (Vertical distance from contaminants to seasonal high water elevation of ground water)								Less than 50 feet	(20 points)		50 feet to 99 feet	(10 points)		Greater than 100 feet	(0 points)	20
Less than 50 feet	(20 points)															
50 feet to 99 feet	(10 points)															
Greater than 100 feet	(0 points)	20														
Wellhead Protection Area: <table border="0"> <tr> <td>Yes</td> <td>(20 points)</td> <td></td> </tr> <tr> <td>No</td> <td>(0 points)</td> <td>0</td> </tr> </table> (Less than 200 feet from a private domestic water source, or, less than 1,000 feet from all other water sources)								Yes	(20 points)		No	(0 points)	0			
Yes	(20 points)															
No	(0 points)	0														
Distance to Surface Water: <table border="0"> <tr> <td>Less than 200 feet</td> <td>(20 points)</td> <td></td> </tr> <tr> <td>200 feet to 1,000 feet</td> <td>(10 points)</td> <td></td> </tr> <tr> <td>Greater than 1,000 feet</td> <td>(0 points)</td> <td>10</td> </tr> </table> (Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches)								Less than 200 feet	(20 points)		200 feet to 1,000 feet	(10 points)		Greater than 1,000 feet	(0 points)	10
Less than 200 feet	(20 points)															
200 feet to 1,000 feet	(10 points)															
Greater than 1,000 feet	(0 points)	10														
RANKING SCORE (TOTAL POINTS) :							30									

Date Remediation Started: 06/29/1998 Date Completed: 06/30/1998

Remediation Method: Excavation X Approx. Cubic Yard 1037
(Check all appropriate sections) Landfarmed X Amount Landfarmed (cubic yds) 957
Other 80 cu yds overburden.

Remediation Location: Onsite X - 800 cu yds. Offsite 237 cu yds - Navajo C #1
(i.e., landfarmed onsite, name and location of offsite facility)

Backfill Material Location: _____

General Description of Remedial Action:

Excavated contaminated soil to a pit size of 35' X 50' X 16' and landfarmed soil onsite within a bermed area at a depth of 6" to 12". Soil was aerated by disking/plowing until soil met regulatory levels.

Ground Water Encountered: No ☐ Yes ☒ Depth 16'

Final Pit Closure Sampling:

Sample Location Walls

(if multiple samples, attach sample result and diagram of sample locations and depths.)

Sample depth 15' & 16'Sample date 06/30/1998 Sample time 9:30:00 AM

Sample Results

Benzene (ppm) < 0.001Total BTEX (ppm) 0.003200

Field headspace (ppm) _____

TPH (ppm) < 25.00 Method 8015BVertical Extent (ft) _____ Risk Analysis form attached Yes ☐ No ☒

Ground Water Sample: Yes ☒ No ☐ (If yes, see attached Groundwater Site Summary Report)

I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND MY BELIEF

DATE October 28, 1999SIGNATURE Maureen Gannon

PRINTED NAME **Maureen Gannon**
AND TITLE **Project Manager**

Groundwater Site Summary Report

Quarter/Year: 4th/98, 1st/99, 2nd/99 & 3rd/99

Operator: Chateau
Sec: 31 Twn: 27N Rng: 8W Unit: D
Canyon: Blanco

Vulnerable Class: Original
OCD Ranking: 40
Lead Agency: NEPA/USEPA

Topo Map: Figure 1

Well Completion Diagrams: Previously submitted

Site Map with Analytical Results: Figure 2

Groundwater Contour Map: Figure 3 (October 1998), Figure 4 (February 1999), Figure 5 (April 1999) and Figure 6 (September 1999)

Hydrograph: Figure 7

Full suite-Groundwater Sampling Results: Previously submitted

Analytical Results: attached 2nd/99 & 3rd/99 only

Site Hydrology:

The Linda 1A site lies on the western side of Blanco Canyon, a north-draining wash with a fairly broad alluvial plain (about one-quarter mile wide). Blanco Canyon joins Largo Canyon about seven miles from its mouth with the San Juan River. The site's elevation is about 6063 ft. amsl.

Fine to medium grained sands were found in shallow soils beneath the site. Some clayey materials were encountered at depths greater than 5 feet.

Depth to water has ranged from about 16 to 18 feet beneath the site. Groundwater flow direction is towards the north and northeast, towards the wash in Blanco Canyon (east) and parallel with the drainage direction of Blanco Canyon (north) (Figure(s) 3a & 3b). The site hydrograph shows that water levels have risen about 1 foot over the last two quarters.

Activities for Previous Year:

Quarterly sampling took place on October 22, 1998, February 11, 1999, April 28, 1999 and again on September 28, 1999. Water level measurements were taken in the four monitoring wells. PNM conducted groundwater sampling in each well for chemical analyses of benzene, toluene, ethylbenzene, and xylenes (BTEX). All sampling was performed in strict compliance with EPA protocol. PNM delivered the samples to OnSite Technologies, Farmington, New Mexico. The samples were analyzed for BTEX using EPA Method 8021B. Monitor well, MW-2, was resampled during September 1999 quarterly monitoring for chlorides, sulfates and total dissolved solids (TDS).

Results:

Figure 2 presents a site map showing BTEX for each monitoring well since groundwater contamination was discovered. Results of the first four quarters of monitoring have shown BTEX concentrations to be below laboratory detection limits in all four wells. Water quality results from monitor well MW-2 revealed chlorides at concentrations equal to the WQCC standard at 250 ppm. Sulfates were slightly elevated at 750 ppm and TDS at 2130 ppm, both above the WQCC standards of 600 ppm and 1000 ppm, respectively. Through literature research and discussions with the OCD, these concentrations are not uncommon to the San Juan Basin and are most likely naturally occurring since the chloride values are relatively low.

Public Service Company of New Mexico - Gas Services

Environmental Services Division - Alvarado Square, MS-0408
Albuquerque, NM 87158

Contact: **Maureen Gannon**

Telephone: **505-241-2974**

PNMGS: Nov99ClosureRPT

01-Nov-99

PNMGS Well Site: Linda 1A (continued)

Further Action:

Consistent with PNM's San Juan Basin Groundwater Management Plan, PNM requests closure of the Linda 1A. This request is based upon the analytical data collected over the last two years at the site. The excavation of source materials was successful in achieving clean-up at the Linda 1A. BTEX concentrations in all wells have been below laboratory detection limits for four consecutive quarters.

Upon approval of the groundwater closure report, PNM will plug and abandon the five groundwater monitoring wells at the site. The concrete pad and metal vault surrounding each well will be removed. The well casing will be cut to ground surface and each well will be plugged to the surface with cement containing 5% bentonite.

Public Service Company of New Mexico - Gas Services

Environmental Services Division - Alvarado Square, MS-0408
Albuquerque, NM 87158

Contact: Maureen Gannon

Telephone: 505-241-2974



Figure 1

Linda 1A Groundwater Site

Twn. 27N Rng. 8W Sec. 31 Unit D

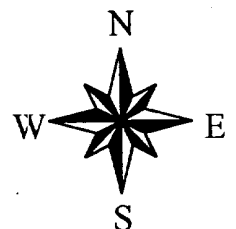
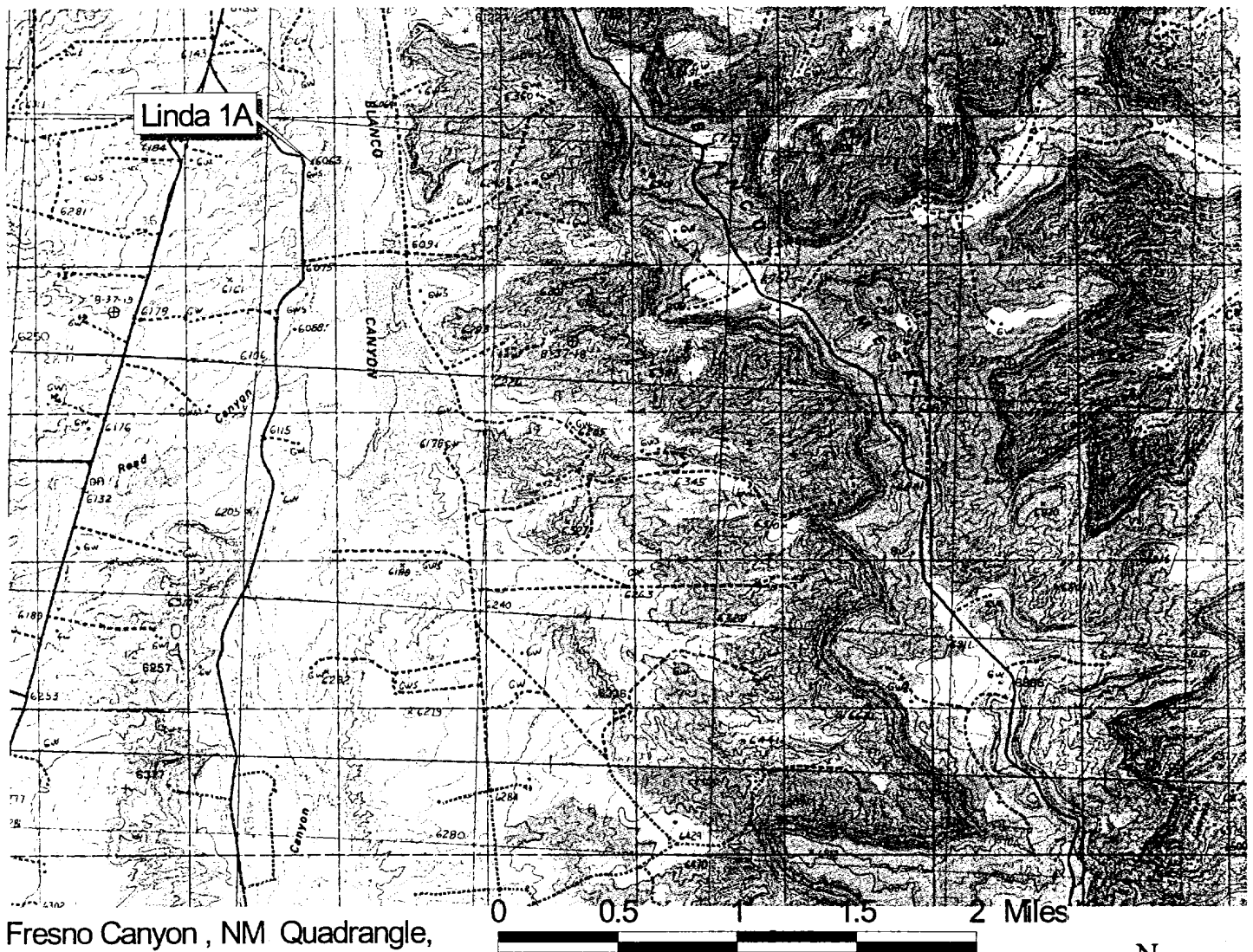


Figure 2. Linda 1A Site Map with Analytical Results (Concentrations in ppb)

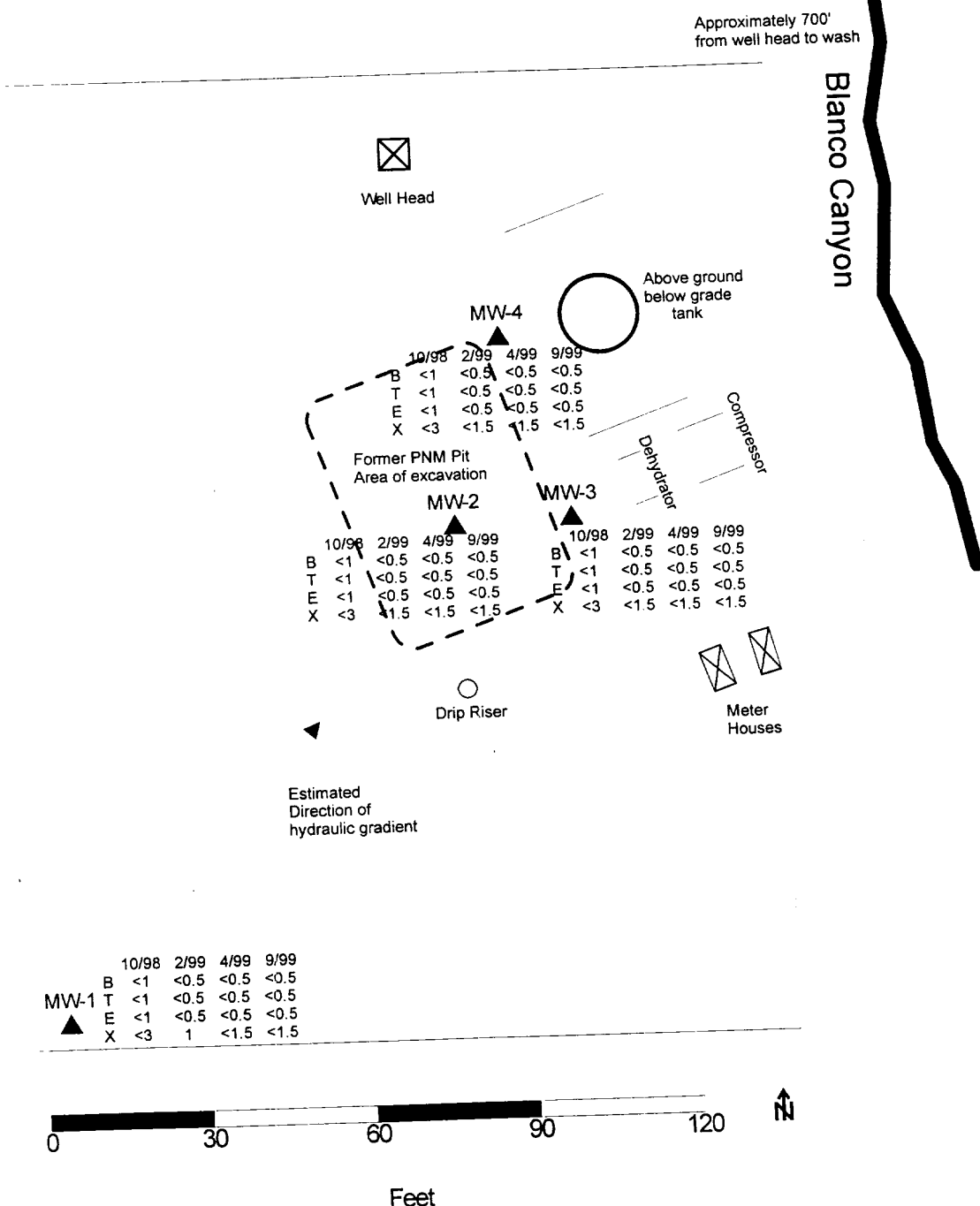


Figure 3.
Linda 1A Groundwater Contour Map
(October 1998)

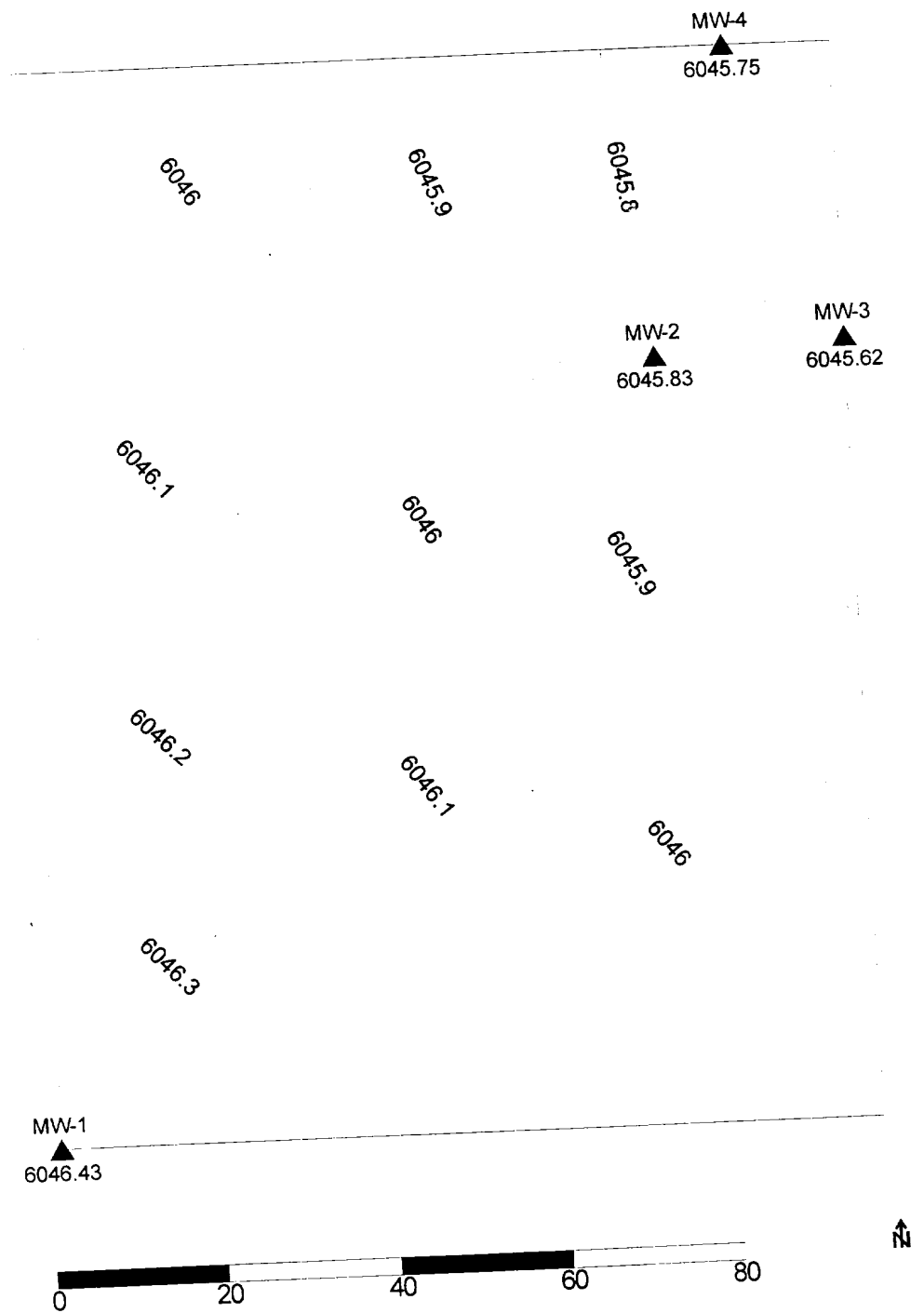


Figure 4.
Linda 1A Groundwater Contour Map
(February 1999)

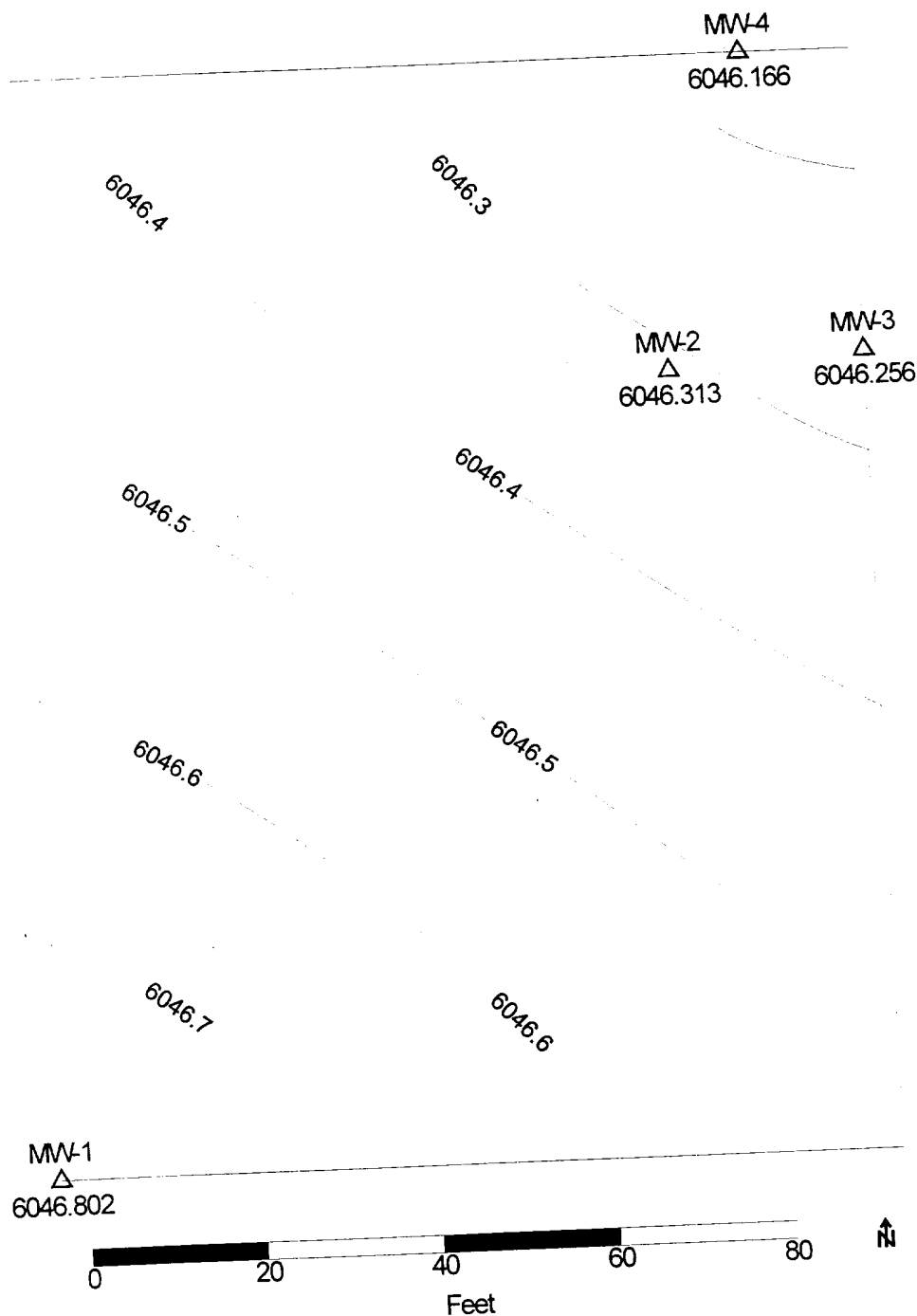


Figure 5.
Linda 1A Groundwater Contour Map
(April 1999)

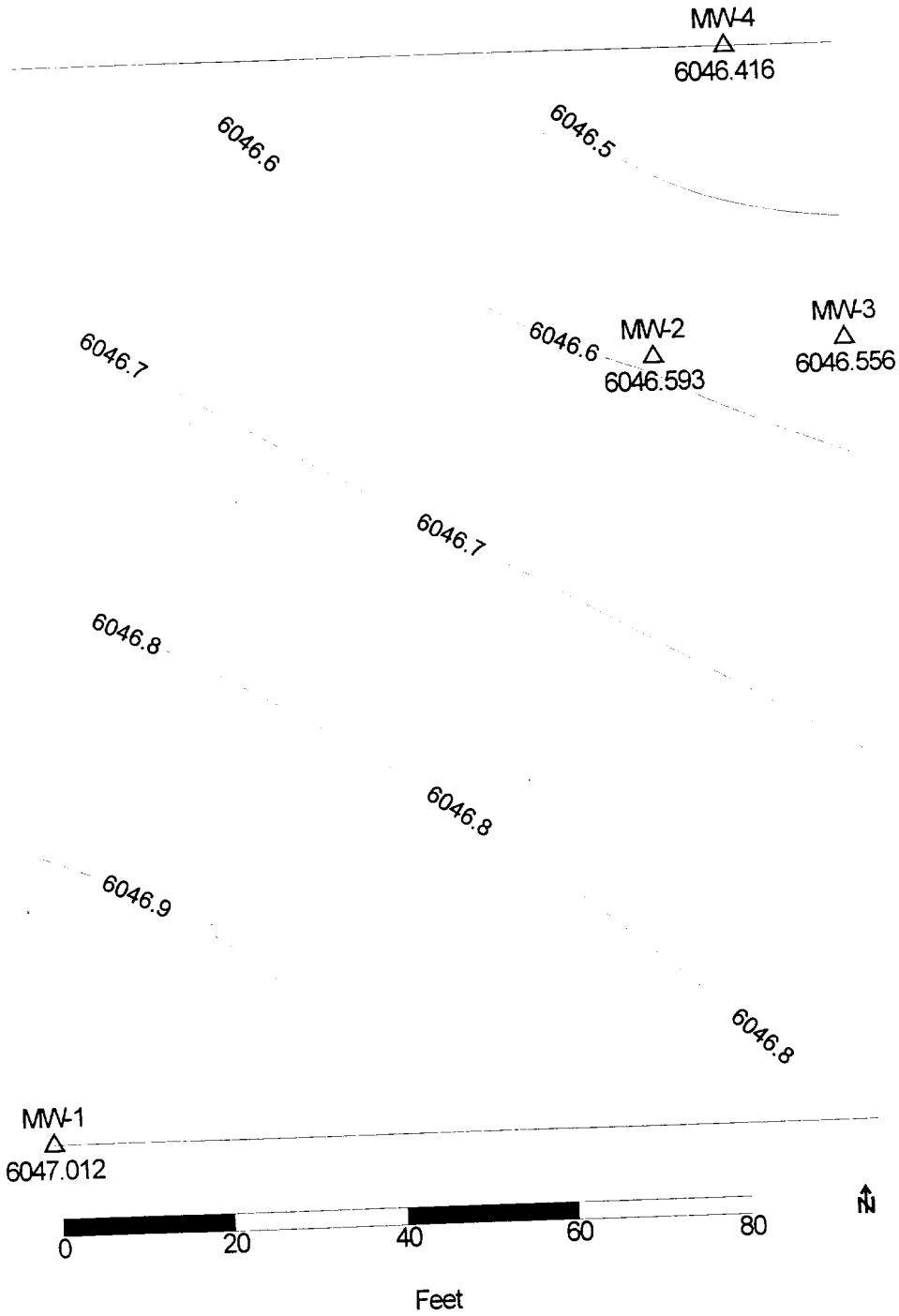


Figure 6.
Linda 1A Groundwater Contour Map
(September 1999)

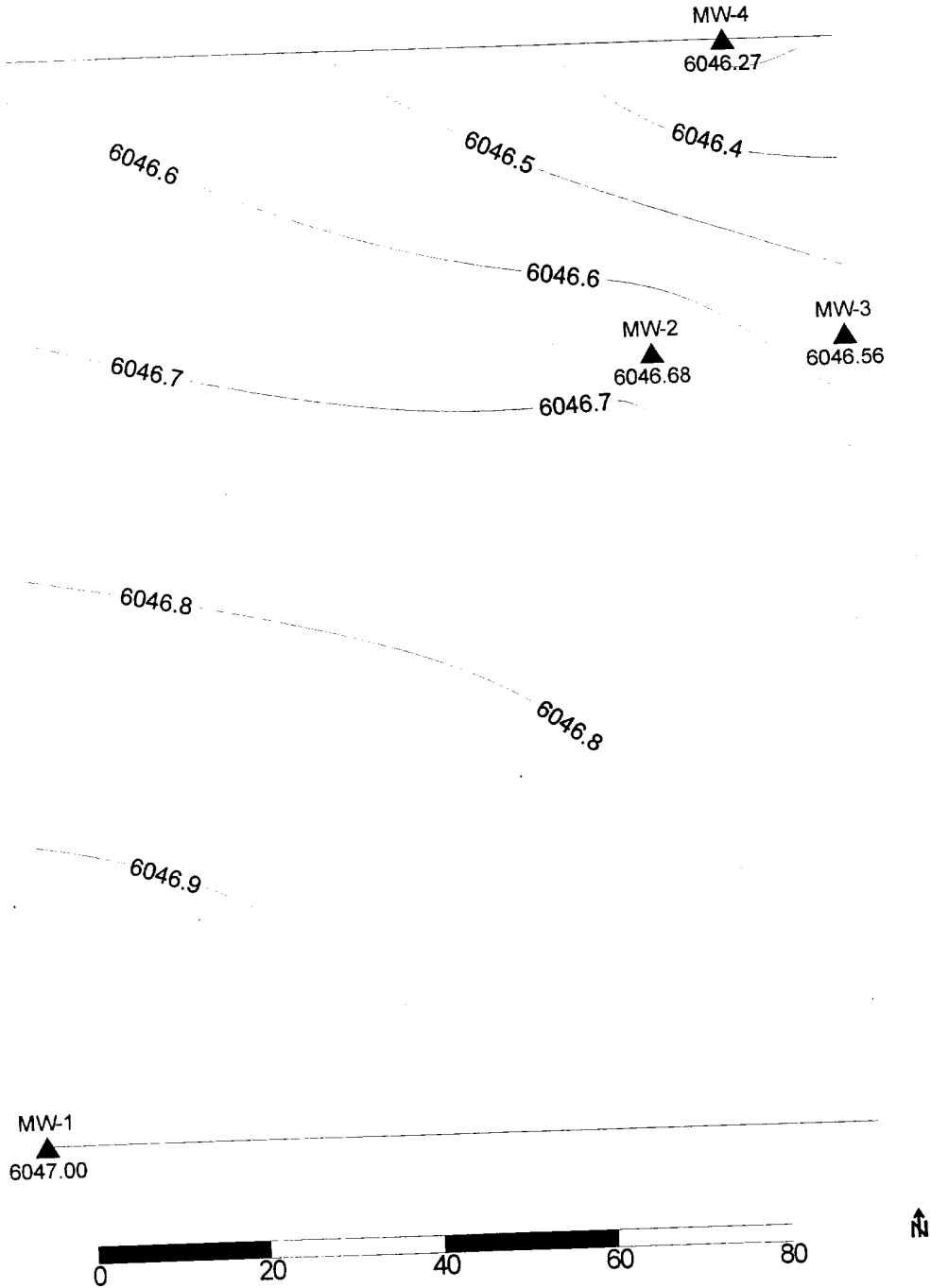
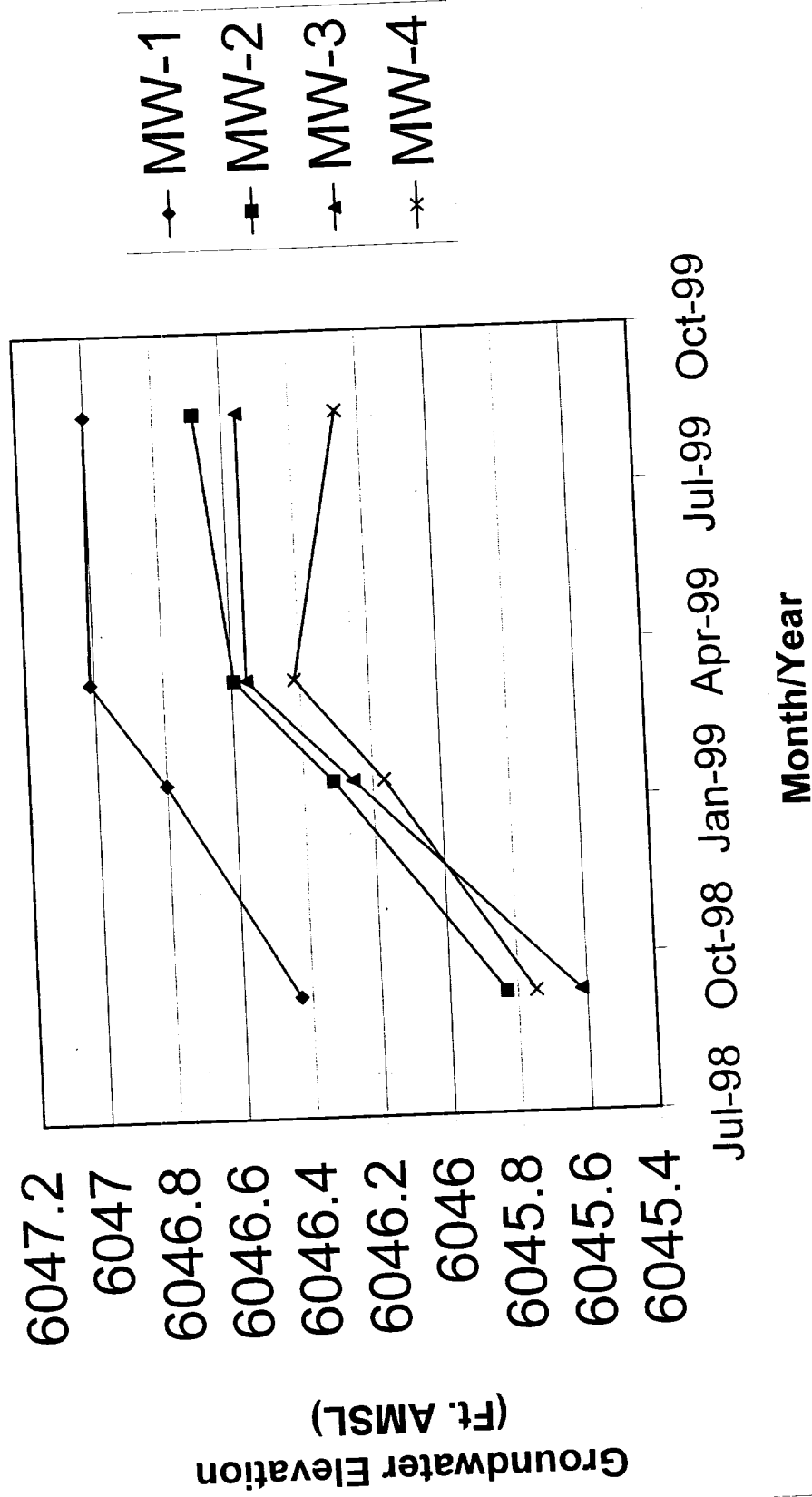


Figure 7. Linda 1A Hydrograph



OFF: (505) 325-5667



LAB: (505) 325-1556
RECEIVED
MAY 21 1999

May 14, 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

RECEIVED
MAY 21 1999

RE: Linda 1A

Order No.: 9905001

Dear Maureen Gannon,

On Site Technologies, LTD. received 5 samples on 5/3/99 for the analyses presented in the following report.

The Samples were analyzed for the following tests:
Aromatic Volatiles by GC/PID (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", written over a horizontal line.

David Cox

P.O. BOX 2606 • FARMINGTON, NM 87499

- Technically Based Data / Committed to the Environment -

OFF: (505) 325-5667



LAB: (505) 325-1556

On Site Technologies, LTD.

Date: 14-May-99

CLIENT: PNM - Public Service Company of NM

Project: Linda 1A

Lab Order: 9905001

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: 14-May-99

Client:	PNM - Public Service Company of NM	Client Sample Info:	Linda 1A
Work Order:	9905001	Client Sample ID:	9904281000; MW-1
Lab ID:	9905001-01A	Matrix:	AQUEOUS
Project:	Linda 1A	Collection Date:	4/28/99 10:00:00 AM
		COC Record:	7535

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
AROMATIC VOLATILES BY GC/PID		SW8021B				Analyst: DC
Benzene	ND	0.5		µg/L	1	5/7/99
Toluene	ND	0.5		µg/L	1	5/7/99
Ethylbenzene	ND	0.5		µg/L	1	5/7/99
m,p-Xylene	ND	1		µg/L	1	5/7/99
o-Xylene	ND	0.5		µg/L	1	5/7/99

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

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- TECHNOLOGY SERVING INDUSTRY WITH THE ENVIRONMENT -

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 14-May-99

Client:	PNM - Public Service Company of NM	Client Sample Info:	Linda 1A
Work Order:	9905001	Client Sample ID:	9904281030; MW-2
Lab ID:	9905001-02A	Matrix:	AQUEOUS
Project:	Linda 1A	Collection Date:	4/28/99 10:30:00 AM
		COC Record:	7535

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
AROMATIC VOLATILES BY GC/PID		SW8021B				Analyst: DC
Benzene	ND	0.5		µg/L	1	5/7/99
Toluene	ND	0.5		µg/L	1	5/7/99
Ethylbenzene	ND	0.5		µg/L	1	5/7/99
m,p-Xylene	ND	1		µg/L	1	5/7/99
o-Xylene	ND	0.5		µg/L	1	5/7/99

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- THIS REPORT MUST BE READ WITH THE QUALIFIERS -

1 of 1

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 14-May-99

Client: PNM - Public Service Company of NM
Work Order: 9905001
Lab ID: 9905001-03A **Matrix:** AQUEOUS
Project: Linda 1A

Client Sample Info: Linda 1A
Client Sample ID: 9904281100; MW-3
Collection Date: 4/28/99 11:00:00 AM
COC Record: 7535

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
AROMATIC VOLATILES BY GC/PID		SW8021B		Analyst: DC		
Benzene	ND	0.5		µg/L	1	5/7/99
Toluene	ND	0.5		µg/L	1	5/7/99
Ethylbenzene	ND	0.5		µg/L	1	5/7/99
m,p-Xylene	ND	1		µg/L	1	5/7/99
o-Xylene	ND	0.5		µg/L	1	5/7/99

Qualifiers:
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Surr: - Surrogate

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1 of 1

- TECHNOLOGIES, PIONEERING QUALITY WITH THE ENVIRONMENT -

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 14-May-99

Client:	PNM - Public Service Company of NM	Client Sample Info:	Linda 1A
Work Order:	9905001	Client Sample ID:	9904281130; MW-4
Lab ID:	9905001-04A	Matrix:	AQUEOUS
Project:	Linda 1A	Collection Date:	4/28/99 11:30:00 AM
		COC Record:	7535

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
AROMATIC VOLATILES BY GC/PID		SW8021B				Analyst: DC
Benzene	ND	0.5		µg/L	1	5/7/99
Toluene	ND	0.5		µg/L	1	5/7/99
Ethylbenzene	ND	0.5		µg/L	1	5/7/99
m,p-Xylene	ND	1		µg/L	1	5/7/99
o-Xylene	ND	0.5		µg/L	1	5/7/99

Qualifiers:

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ND - Not Detected at Practical Quantitation Limit

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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

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1 of 1

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 14-May-99

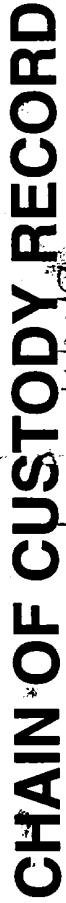
Client:	PNM - Public Service Company of NM	Client Sample Info:	Linda 1A
Work Order:	9905001	Client Sample ID:	9904281015; Open Excav. Strmwtr
Lab ID:	9905001-05A	Matrix:	AQUEOUS
Project:	Linda 1A	Collection Date:	4/28/99 10:15:00 AM
		COC Record:	7535

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
AROMATIC VOLATILES BY GC/PID		SW8021B				Analyst: DC
Benzene	ND	0.5		µg/L	1	5/3/99
Toluene	ND	0.5		µg/L	1	5/3/99
Ethylbenzene	ND	0.5		µg/L	1	5/3/99
m,p-Xylene	ND	1		µg/L	1	5/3/99
o-Xylene	ND	0.5		µg/L	1	5/3/99

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	Surrr: - Surrogate

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1 of 1



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

Date:

Page: 1 of 1

5357

[illegible]

District/County:	White - On Site	Yellow - LAB	Pink - Sampler	Goldenrod - Client

OFF: (505) 325-5667



LAB: (505) 325-1556

October 13, 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

RECEIVED
OCT 18 1999

RE: Linda 1A

Order No.: 9909081

Dear Maureen Gannon,

On Site Technologies, LTD. received 4 samples on 09/28/1999 for the analyses presented in the following report.

The Samples were analyzed for the following tests:

Aromatic Volatiles by GC/PID (SW8021B)

Chloride (E325.3)

Sulfate (M4500-SO4 D)

Total Dissolved Solids (E160.1)

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", with a stylized flourish at the end.

David Cox



On Site Technologies, LTD.

Date: 13-Oct-99

CLIENT: PNM - Public Service Company of NM
Project: Linda 1A
Lab Order: 9909081

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.

Methods for Chemical Analysis of Water and Wastes, EPA-600/4-79-020, March 1983.

Standard Methods for the Examination of Water and Wastewater, 18th Edition, 1992.

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

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 13-Oct-99

Client:	PNM - Public Service Company of NM	Client Sample Info:	Linda 1A
Work Order:	9909081	Client Sample ID:	9909281025; MW-1
Lab ID:	9909081-01A	Matrix:	AQUEOUS
Project:	Linda 1A	Collection Date:	09/28/1999 10:25:00 AM
		COC Record:	7827

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
AROMATIC VOLATILES BY GC/PID		SW8021B		Analyst: DM		
Benzene	ND	0.5		µg/L	1	09/30/1999
Toluene	ND	0.5		µg/L	1	09/30/1999
Ethylbenzene	ND	0.5		µg/L	1	09/30/1999
m,p-Xylene	ND	1		µg/L	1	09/30/1999
o-Xylene	ND	0.5		µg/L	1	09/30/1999

Qualifiers:

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S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

Surr: - Surrogate

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1 of 1

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 13-Oct-99

Client:	PNM - Public Service Company of NM	Client Sample Info:	Linda 1A
Work Order:	9909081	Client Sample ID:	9909281100; MW-2
Lab ID:	9909081-02A	Matrix:	AQUEOUS
Project:	Linda 1A	Collection Date:	09/28/1999 11:00:00 AM
		COC Record:	7827

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
AROMATIC VOLATILES BY GC/PID		SW8021B		Analys:: DM		
Benzene	ND	0.5		µg/L	1	09/30/1999
Toluene	ND	0.5		µg/L	1	09/30/1999
Ethylbenzene	ND	0.5		µg/L	1	09/30/1999
m,p-Xylene	ND	1		µg/L	1	09/30/1999
o-Xylene	ND	0.5		µg/L	1	09/30/1999

Qualifiers:

PQL - Practical Quantitation Limit
ND - Not Detected at Practical Quantitation Limit
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S - Spike Recovery outside accepted recovery limits
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Surr: - Surrogate

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1 of 1

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 13-Oct-99

Client:	PNM - Public Service Company of NM	Client Sample Info:	Linda 1A
Work Order:	9909081	Client Sample ID:	9909281100; MW-2
Lab ID:	9909081-02B	Matrix:	AQUEOUS
Project:	Linda 1A	Collection Date:	09/28/1999 11:00:00 AM
		COC Record:	7827

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
CHLORIDE		E325.3				Analyst: HR
Chloride	250		1	mg/L	1	10/04/1999
SULFATE		M4500-SO4 D				Analyst: HR
Sulfate	750		8	mg/L	1	10/04/1999
TOTAL DISSOLVED SOLIDS		E160.1				Analyst: HR
Total Dissolved Solids (Residue, Filterable)	2130		40	mg/L	1	10/01/1999

Qualifiers:

PQL - Practical Quantitation Limit
ND - Not Detected at Practical Quantitation Limit
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1 of 1

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 13-Oct-99

Client:	PNM - Public Service Company of NM	Client Sample Info:	Linda 1A
Work Order:	9909081	Client Sample ID:	9909281200; MW-3
Lab ID:	9909081-03A	Matrix:	AQUEOUS
Project:	Linda 1A	Collection Date:	09/28/1999 12:00:00 PM
		COC Record:	7827

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
AROMATIC VOLATILES BY GC/PID		SW8021B		Analyst: DM		
Benzene	ND	0.5		µg/L	1	09/30/1999
Toluene	ND	0.5		µg/L	1	09/30/1999
Ethylbenzene	ND	0.5		µg/L	1	09/30/1999
m,p-Xylene	ND	1		µg/L	1	09/30/1999
o-Xylene	ND	0.5		µg/L	1	09/30/1999

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
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1 of 1

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 13-Oct-99

Client:	PNM - Public Service Company of NM	Client Sample Info:	Linda 1A
Work Order:	9909081	Client Sample ID:	9909281145; MW-4
Lab ID:	9909081-04A	Matrix:	AQUEOUS
Project:	Linda 1A	Collection Date:	09/28/1999 11:45:00 AM
		COC Record:	7827

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
AROMATIC VOLATILES BY GC/PID		SW8021B		Analyst: DM		
Benzene	ND	0.5		µg/L	1	09/30/1999
Toluene	ND	0.5		µg/L	1	09/30/1999
Ethylbenzene	ND	0.5		µg/L	1	09/30/1999
m,p-Xylene	ND	1		µg/L	1	09/30/1999
o-Xylene	ND	0.5		µg/L	1	09/30/1999

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

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

Purchase Order No.:

**SEND
INVOICE
TO**

Name Denver Bearden

Company	PNM Gas Services

Address **603 W. Elm Street**

City, State, Zip Farmington, NM 87401

Sampling Location:

Linda A

Sampler:

Mark S. Kelians

SAMPLE IDENTIFICATION

Ms. A. 9.2.3.1025

W-3 9909281100

0001 E66066

mw-4 990928 1145

Relinquished by:

Relinquished by:

Relinquished by:

Method of Shipment:

Authorized by:

Date _____

(Client Signature Must Accompany Request)

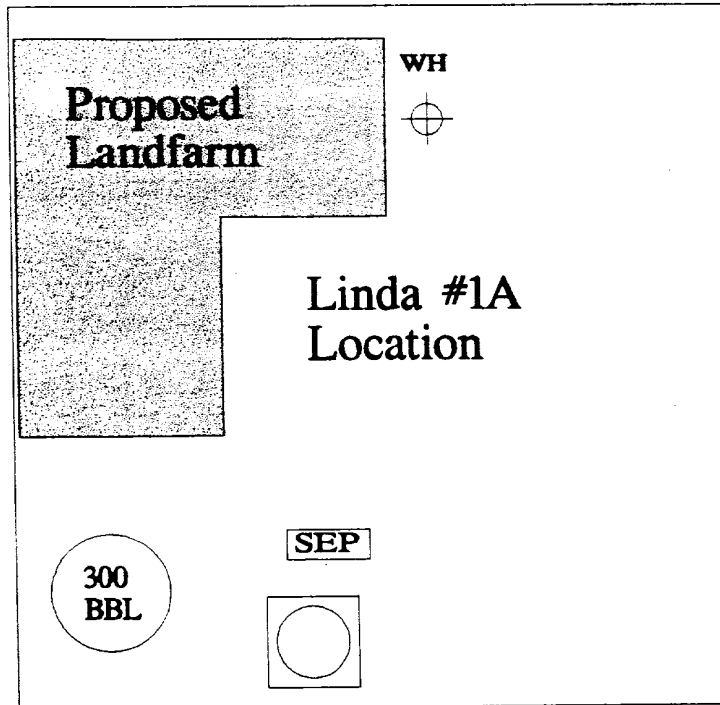
Distribution: White	On Site	Yellow LAB	Pink Sampler	Goldenrod - Client
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Goldenrod - Client

Goldenrod - Client

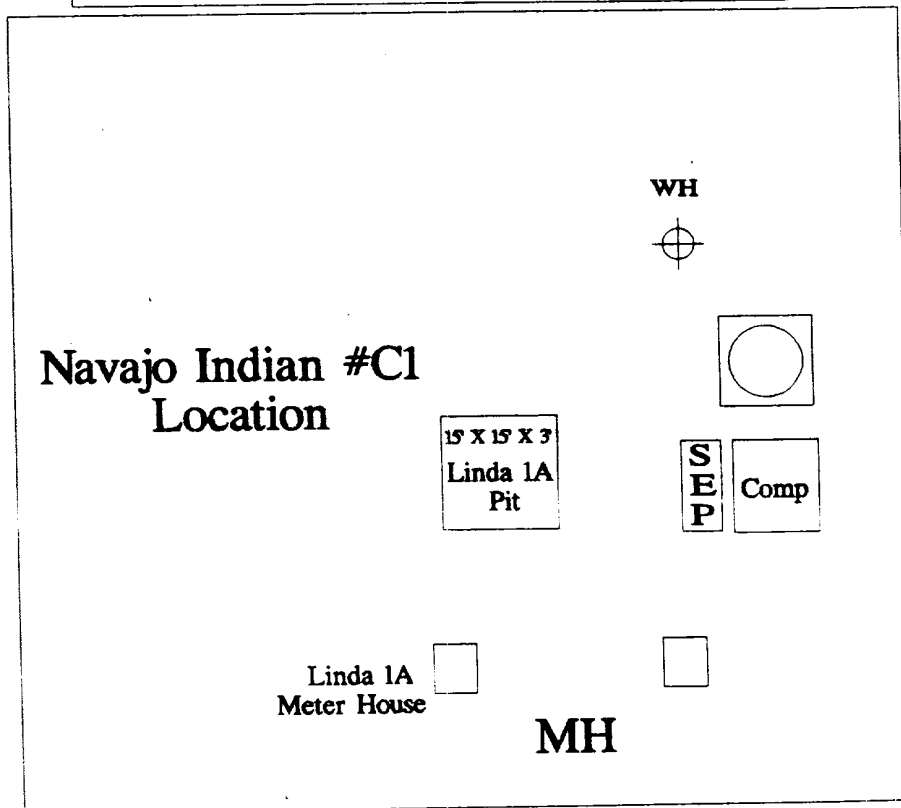
Goldenrod - Client

Linda #1A
Chateau
Lease # NOG-06511133
(D)-31-27N-8W
San Juan County



200' X 200'

Field headspace: 76 (walls)



250' X 250'

OFF: (505) 325-5667



LAB: (505) 325-1556

On Site Technologies, LTD.

Date: 10-Jul-98

CLIENT: PNM - Public Service Company of NM

Project: Linda 1A

Lab Order: 9806118

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: 10-Jul-98

Client: PNM - Public Service Company of NM
Work Order: 9806118
Lab ID: 9806118-01A **Matrix:** SOIL
Project: Linda 1A

Client Sample Info: Linda 1A
Client Sample ID: 9806300930; Walls
Collection Date: 6/30/98 9:30:00 AM
COC Record: 5240

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				Analyst: DC
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	7/7/98
BTEX		SW8020A				Analyst: DC
Benzene	ND	1		µg/Kg	1	7/5/98
Toluene	ND	2		µg/Kg	1	7/5/98
Ethylbenzene	ND	1		µg/Kg	1	7/5/98
m,p-Xylene	3.1	2		µg/Kg	1	7/5/98
o-Xylene	1	1		µg/Kg	1	7/5/98

. 2032 ppm

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

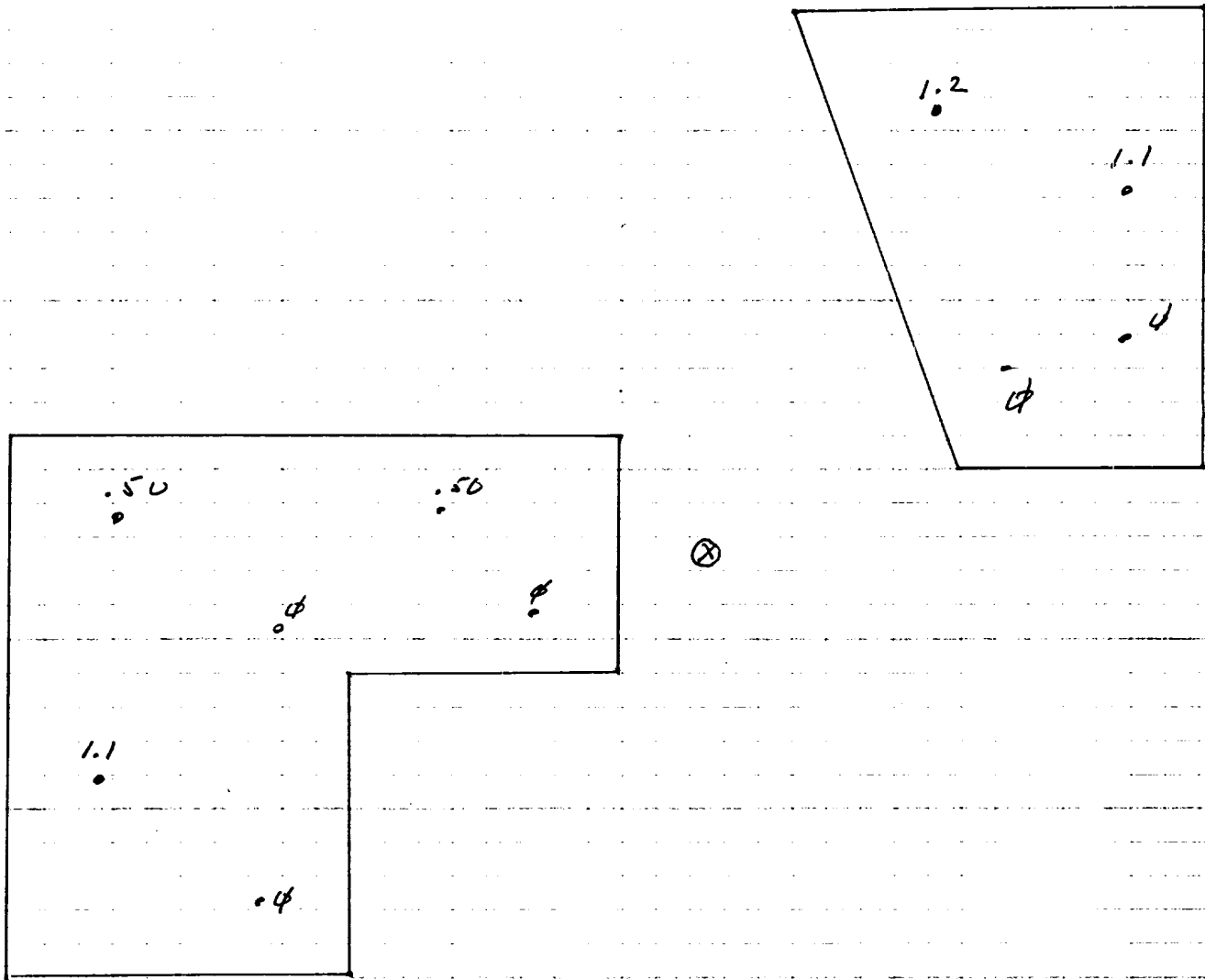
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Linda # 1A
Chuteau Oil
Sec. 31, 27N, 8W, D

7/28/98

Land Farm : On location



800 yards
2"-12" depth

soil vapor head space = 3.1 ppm

980728 1530

OFF: (505) 325-5667



LAB: (505) 325-1556

On Site Technologies, LTD.

Date: 30-Jul-98

CLIENT: PNM - Public Service Company of NM

Project: PNM Pit Remediation

Lab Order: 9807079

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.

ANALYTICAL REPORT

Date: 30-Jul-98

Client:	PNM - Public Service Company of NM	Client Sample Info:	Linda #1A LF
Work Order:	9807079	Client Sample ID:	9807281530; On Location
Lab ID:	9807079-01A	Matrix:	SOIL
Project:	PNM Pit Remediation	Collection Date:	7/28/98 3:30:00 PM
		COC Record:	7329

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				Analyst: HR
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	7/29/98

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

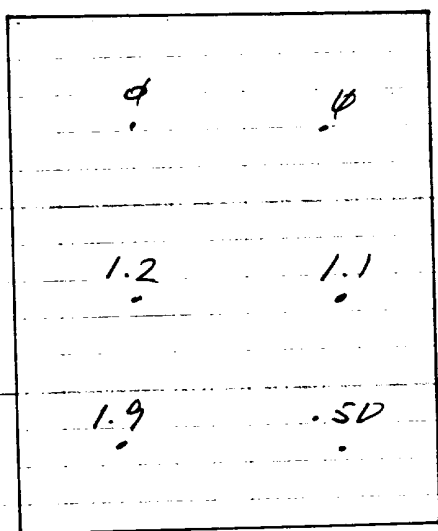
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Linda #1A
Chuteau Co.
Sec. 31, 27N, 8W, D

7-28-98

Land form : Navajo C#1
same leg-1



237 yards

2"-12" depth

soil vapor head perc = 6.1

9807281545

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 30-Jul-98

Client:	PNM - Public Service Company of NM	Client Sample Info:	Linda #1A LF
Work Order:	9807079	Client Sample ID:	9807281545; Navajo C#1
Lab ID:	9807079-02A	Matrix:	SOIL
Project:	PNM Pit Remediation	Collection Date:	7/28/98 3:45:00 PM
		COC Record:	7329

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				Analyst: HR
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	7/29/98

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

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