



Environmental Services Group
Southern Region

Candelaria Gas Com C#1 *C-27-29N-10W*
Meter Code 95726

Pit was excavated to 5 feet beneath ground surface, where groundwater was encountered. The headspace soil reading from excavation bottom was 4 parts per million. Soil analytical were as follows; benzene - <0.5 mg/kg, total BTEX - 1 mg/kg, TPH - 10 mg/kg. One groundwater sample was collected with analytical results as follows; benzene - <0.5 ppb, toluene - <0.5 ppb, ethylbenzene - <0.5 ppb, total xylenes - 0.7 ppb.

A RECON® survey was conducted and four soil-gas samples and four groundwater samples were collected, one on each side of the pit. All samples were collected and analyzed using a laboratory-grade gas chromatograph by Philip Environmental's

RECON® System. No BTEX constituents were detected.

Denny B. Zent
DEPUTY OIL & GAS INSPECTOR

IFEB 0 '6 97

Approved



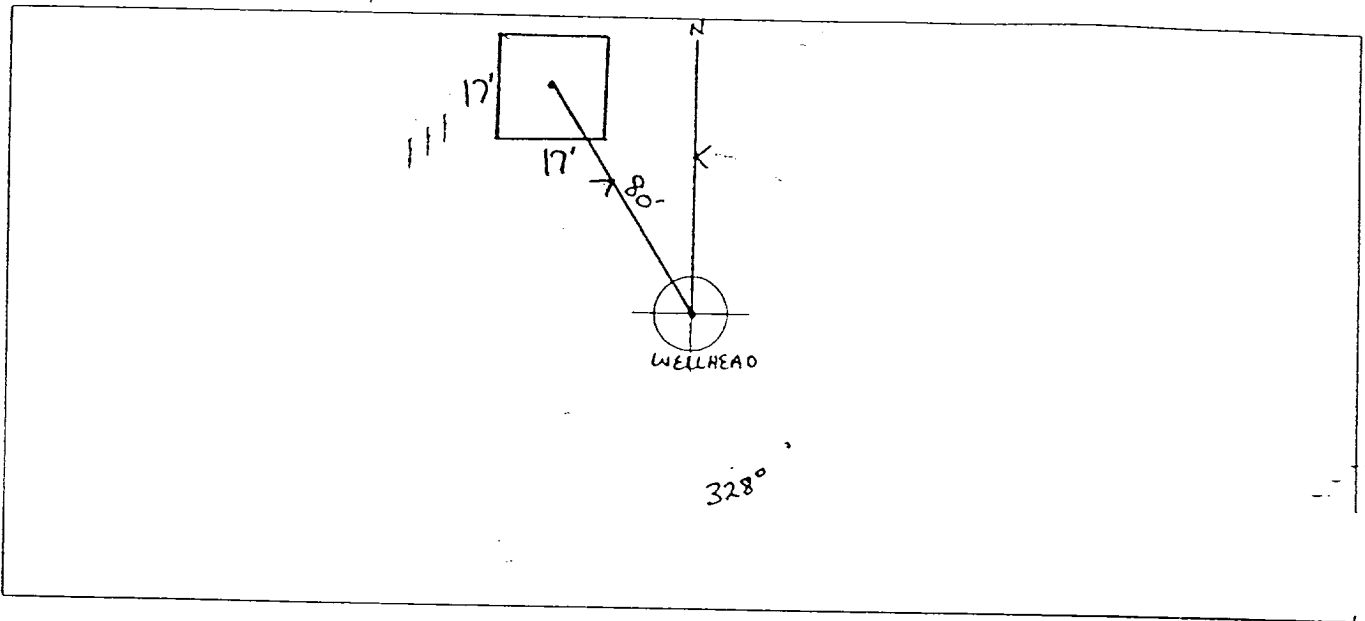
FIELD PIT SITE ASSESSMENT FORM

GENERAL	Meter: <u>95726</u> Location: <u>CANDELARIA GAS CoM C #1</u> Operator #: <u>0203</u> Operator Name: <u>Amoco</u> P/L District: <u>BLOOMFIELD</u> Coordinates: Letter: <u>C</u> Section <u>27</u> Township: <u>29</u> Range: <u>10</u> Or Latitude _____ Longitude _____ Pit Type: Dehydrator _____ Location Drip: <u>X</u> Line Drip: _____ Other: _____ Site Visit Date: <u>4.11.94</u> Run: <u>10</u> <u>42</u>
SITE ASSESSMENT	NMOCD Zone: Inside Land Type: BLM ☐ (From NMOCD Vulnerable State ☐ Maps) Zone ☒ Fee ☒ Outside ☐ Indian _____ Depth to Groundwater Less Than 50 Feet (20 points) ☒ 50 Ft to 99 Ft (10 points) ☐ Greater Than 100 Ft (0 points) ☐ Wellhead Protection Area : Is it less than 1000 ft from wells, springs, or other sources of fresh water extraction? , or ; Is it less than 200 ft from a private domestic water source? ☐ YES (20 points) ☒ NO (0 points) Horizontal Distance to Surface Water Body Less Than 200 Ft (20 points) ☐ 200 Ft to 1000 Ft (10 points) ☒ Greater Than 1000 Ft (0 points) ☐ Name of Surface Water Body <u>SAN JUAN RIVER</u> (Surface Water Body : Perennial Rivers, Major Wash, Streams, Creeks, Irrigation Canals, Ditches, Lakes, Ponds) TOTAL HAZARD RANKING SCORE: <u>30</u> POINTS
REMARKS	Remarks : <u>TWO PITS ON LOCATION. WILL CLOSE ONLY ONE. PIT IS</u> <u>DRY. LOCATION IS NEXT TO SAN JUAN RIVER.</u>

95726

ORIGINAL PIT LOCATION

Original Pit : a) Degrees from North 328° Footage to Wellhead 80'
b) Degrees from North _____ Footage to Dogleg _____
Dogleg Name _____
c) Length : 17' Width : 17' Depth : 3'



Remarks :

STARTED TAKING PICTURES AT 2:43 PM.
END DUMP

Completed By:

Ed Thompson
Signature

4.11.94

Phase I Excavation

FIELD PIT REMEDIATION/CLOSURE FORM

GENERAL

Water: 45726 Location: CANDALARIA GAS COM C #1
 Coordinates: Letter: C Section 27 Township: 29 Range: 10
 Or Latitude _____ Longitude _____
 Date Started : 5-5-94 Area: 10 Run: 42

FIELD OBSERVATIONS

Sample Number(s): KD 39
 Sample Depth: 5' Feet
 Final PID Reading 4 ppm PID Reading Depth 5' Feet
 Yes No
 Groundwater Encountered ☒ (1) ☐ (2) Approximate Depth 5' Feet

CLOSURE

Remediation Method :
 Excavation ☒ (1) Approx. Cubic Yards 40
 Onsite Bioremediation ☐ (2)
 Backfill Pit Without Excavation ☐ (3)
 Soil Disposition:
 Envirotech ☐ (1) ☒ (3) Tierra
 Other Facility ☐ (2) Name: _____
 Pit Closure Date: 5-5-94 Pit Closed By: BEI

REMARKS

Remarks : Dug pit to Approximately 5' Encountered Ground water
TOOK Samples, EPN& Inspector Ricky Cosby WAS ON LOCATION.
closed Pit.

Signature of Specialist: Kenny Deacon



FIELD SERVICES LABORATORY

ANALYTICAL REPORT

PIT CLOSURE PROJECT - Soil Samples Inside the GWV Zone

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	KD39	945083
MTR CODE SITE NAME:	95726	Candelaria Gas Com #1
SAMPLE DATE TIME (Hrs):	05/05/94	1250
PROJECT:	Phase I	
DATE OF TPH EXT. ANAL.:	05/10/94	05/10/94
DATE OF BTEX EXT. ANAL.:	05/13/94	05/14/94
TYPE DESCRIPTION:	VC	Brown gray fine sand

Field Remarks: Ref Water #945085

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q	M(g)	V(ml)
BENZENE	<0.025	MG/KG				
TOLUENE	<0.025	MG/KG				
ETHYL BENZENE	<0.025	MG/KG				
TOTAL XYLENES	<0.025	MG/KG				
TOTAL BTEX	<0.10	MG/KG				
TPH (418.1)	< 10	MG/KG			2.04	28
HEADSPACE PID	4	PPM				
PERCENT SOLIDS	77.1	%				

— TPH is by EPA Method 418.1 and BTEX is by EPA Method 8020 —

The Surrogate Recovery was at 89 % for this sample All QA/QC was acceptable.

Narrative:

TI Comed analysis.

DF = Dilution Factor Used

Approved By: Valerie Lander

Date: 7/19/96



Page _____ of _____

White
Teal
Canary - EPN/G / ah
Pink - Field Sampler



FIELD SERVICES LABORATORY
ANALYTICAL REPORT
PIT CLOSURE PROJECT - Water

SAMPLE IDENTIFICATION

SAMPLE NUMBER:	945085
FIELD ID:	RC
MTR CODE:	95726
SAMPLE DATE:	05/05/94
SAMPLE TYPE:	G
SITE NAME:	Candelaria G.C. #1
PROJECT:	Excavation
DATE OF BTEX ANALYSIS:	05/17/94

FIELD COMMENTS: Ref Soil #945083

EPA Method 8020 (BTEX) RESULTS

PARAMETER	RESULT	QUALIFIER	WQCC LIMIT PPB
TDS - TOTAL DISSOLVED SOLIDS (PPM)	Not Required		None
BENZENE (PPB)	<0.5		10
TOLUENE (PPB)	<0.5		740
ETHYL BENZENE (PPB)	<0.5		750
TOTAL XYLENES (PPB)	0.7		620
SURROGATE % RECOVERY	107	Allowed Range 80 to 120 %	

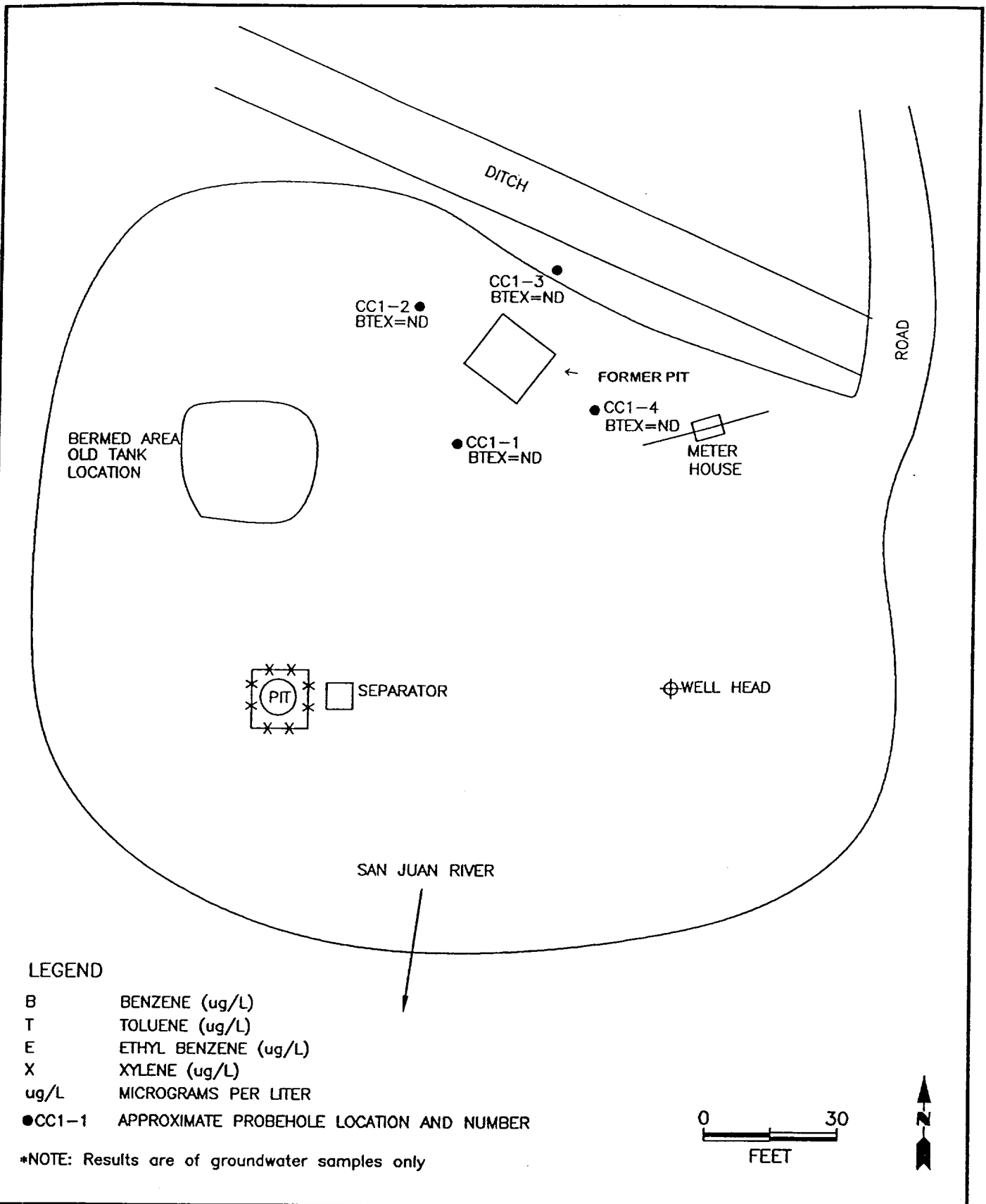
NOTES:

ATI performed analysis.

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RECON®



TITLE:
 EPNG RECON Pits
 Candelaria Gas
 Com C #1

SCALE	1=30	DATE	
DWN:	JEN	4/6/95	
DES:	JEN	4/6/95	
CHKD:	SP	4/6/95	
APPD:	SP	4/6/95	

PROJECT NO: 13947
 EPNG
 SAN JUAN COUNTY, NM

Figure 12

REV:

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**BURLINGTON
ENVIRONMENTAL**

**RECON SAMPLER ANALYSIS
DATA SUMMARY TABLE**
Project: 13947

Sample I.D.	Probe Hole Number	Depth (feet)	Benzene (ug/L)	Toluene (ug/L)	Ethyl benzene (ug/L)	m+p-Xylene (ug/L)	o-Xylene (ug/L)	Comments
Blank-27	N/A	N/A	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	QC - System Blank
Blank-28	N/A	N/A	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	QC - Probe Rod Blank
T1A-1-3	PH-01	3	3	ND(1)	ND(1)	ND(1)	ND(1)	Groundwater
T1A-2-2-3	PH-02	2.3	225	ND(1)	ND(1)	ND(1)	ND(1)	Groundwater
T1A-2-2-3-D	PH-02	2.3	243	ND(1)	ND(1)	ND(1)	ND(1)	QC - Duplicate
T1A-3-3-3-5	PH-03	3.35	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	Groundwater
T1A-4-3	PH-04	3	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	Soil-gas
T1A-4-3-1	PH-04	3.1	362	ND(1)	10	19	<1	Groundwater
T1A-5-3	PH-05	3	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	Groundwater
T1A-6-4-5	PH-06	4.5	27,175	72,165	15,218	88,766	32,402	Groundwater
T1A-7-4-5	PH-07	4.5	706	632	498	1,306	929	Groundwater
T1A-8-4-5	PH-08	4.5	7	14	ND(1)	24	4	Groundwater
T1A-9-4-5	PH-09	4.5	20,659	12,837	4,730	23,826	9,198	Groundwater
T1A-10-4	PH-10	4	68	49	84	ND(1)*	5	Groundwater
T1A-11-4	PH-11	4	<1	<1	3	ND(1)	3	Groundwater
T1A-12-1-8	PH-12	2	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	Groundwater
Blank-29	N/A	N/A	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	QC - System Blank
QCRT-10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	QC - Retention Times
Blank-30	N/A	N/A	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	QC - System Blank
STD-0312	N/A	N/A	229	253	226	241	231	Calibration Standard
Blank-31	N/A	N/A	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	QC - System Blank
Blank-32	N/A	N/A	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	QC - Probe Rod Blank
CC1-1-3	PH-01	3	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	Soil-gas
CC1-1-6	PH-01	6	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	Groundwater
CC1-2-3	PH-02	3	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	Soil-gas
CC1-2-6	PH-02	6	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	Groundwater
CC1-3-3	PH-03	3	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	Soil-gas
CC1-3-6	PH-03	6	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	Groundwater

D = duplicate analysis

QC = quality control

ug/L = micrograms of compound detected per liter of headspace vapor analyzed

ND = not detected at the lower quantifiable limit indicated in parenthesis

N/A = not applicable

* = possible interference

QA Review:

Larry W. Wood

Review Date:

March 31, 1995



**BURLINGTON
ENVIRONMENTAL**

**RECON SAMPLE ANALYSIS
DATA SUMMARY TABLE**
Project: 13947

Sample I.D.	Probe Hole Number	Depth (feet)	Benzene (ug/L)	Toluene (ug/L)	Ethyl benzene (ug/L)	m+p-Xylene (ug/L)	o-Xylene (ug/L)	Comments
CC1-4-3	PH-04	3	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	Soil-gas
GC1-4-6	PH-04	6	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	Groundwater
C23-1-6	PH-01	6	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	Groundwater
C23-2-6	PH-02	6	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	Groundwater
C23-3-6	PH-03	6	533	46	77	675	23	Groundwater
C23-3-2	PH-03	2	5,961	374,338	358,848	70,188	32,179	Groundwater
C23-4-3	PH-04	3	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	Soil-gas
C23-4-6	PH-04	6	ND(1)	2	ND(1)	4	2	Groundwater
C23-5-2	PH-05	2	224	203	138	9	3	Soil-gas
C23-5-6	PH-05	6	8,391	13,477	8,117	24,869	11,100	Groundwater
C23-6-6	PH-06	6	14,905	60,242	25,333	126,469	68,278	Groundwater
C23-7-6	PH-07	6	4,592	10,086	2,512	11,759	6,075	Groundwater
C23-7-6-D	PH-07	6	4,631	9,264	2,449	7,383	4,014	QC - Duplicate
Blank-33	N/A	N/A	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	QC - System Blank
QCRT-11	N/A	N/A	N/A	N/A	N/A	N/A	N/A	QC - Retention Times
Blank-34	N/A	N/A	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	QC - System Blank
STD-0315	N/A	N/A	229	253	226	241	231	Calibration Standard
Blank-35	N/A	N/A	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	QC - System Blank
Blank-36	N/A	N/A	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	QC - Probe Rod Blank
C23-8-5	PH-08	5	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	Groundwater
GC1-1-3	PH-01	3	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	Soil-gas
GC1-1-6	PH-01	6	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	Groundwater
GC1-2-3	PH-02	3	1	ND(1)	ND(1)	ND(1)	ND(1)	Soil-gas
GC1-2-6	PH-02	6	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	Groundwater
GC1-3-3	PH-03	3	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	Soil-gas
GC1-3-9	PH-03	9	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	Groundwater
GC1-4-3	PH-04	3	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	Soil-gas
GC1-4-9	PH-04	9	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	Groundwater

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