

1R - 412

REPORTS

DATE:

9/24/2001

2/12/02

E.O.T.T. Energy Pipeline
Notification of Ground Water Impact

September 24, 2001

Mr. William C. Olson, Hydrologist
Energy, Minerals, and Natural Resources Department
New Mexico Oil Conservation Division, Environmental Bureau
P.O. Box 6429
1220 S. St. Francis Drive
Santa Fe, New Mexico 87505

Subject: Written notification of ground water impact

Dear Mr. Olson,

Environmental Plus, Inc.(EPI), 2100 Avenue O, Eunice, New Mexico, on behalf of E.O.T.T. Energy Pipeline, Midland, Texas submits this written notification of ground water impact at the "Clay Osborn Jalmat #1" remediation site (E.O.T.T. reference #2000-10606), in the Unit Letter P (SE¼ of the SE¼) of Section 12, T25S, and R36E, Lea County, New Mexico in excess of the Water Quality Control Commission (WQCC) standards presented in 20 NMAC 6.2.3103. This submittal follows the verbal notification made on September 19, 2001 and is consistent with the notification requirements of 19 NMAC 15.116. A copy of the laboratory analytical reports and a summary matrix are attached along with a site location map.

The listed parameters in excess of the WQCC standards are Iron, Manganese, Aluminum, Boron, Fluoride, Chloride, Sulfate, Total Dissolved Solids, and Total Mercury. Please note that the E.O.T.T. crude oil waste stream is restricted to organic hydrocarbons and cannot be responsible for the inorganic contamination. However, nominal concentrations of Benzene, Toluene, Xylene, and Naphthalene were detected but are an order of magnitude below the standards. The crude oil source term at the site has been assessed and will be remediated to NMOCD standards to eliminate the potential for future ground water impacts. There are no domestic, agricultural, or public supply wells within 2000' of the site. A remediation work plan addressing soil and ground water will be developed and submitted for your consensus. All official communication should be sent to;

Mr. Wayne Brunette
E.O.T.T. Energy Pipeline
P.O. Box 1660
Midland, Texas 79703

Sincerely,


Pat McCasland
EPI Technical Manager

cc: Paul Sheeley, NMOCD Hobbs
Wayne Brunette, E.O.T.T.
Cutty Cunningham, ENRON
Ben Miller, EPI Vice President and General Manager
file

E.O.T.T. Energy Pipeline
Clay Osborn Jalmat #1 Monitor Well Ground Water Data

7/10/2001

Parameter	Units	Clay Osborn Jalmat #1 Monitor Well EJM171001MW AnalySya, Inc.	New Mexico Water Quality Control Commission Standards 20 NMAC 6.2.3103	Background Concentrations Clay Osborn Pond Monitor Well 2001
TPH ¹ (GRO) ²	mg/L	<0.25	no standard	<0.25
TPH (DRO) ³	mg/L	<0.02	no standard	<0.02
TPH (DRO+GRO)	mg/L	<0.25	no standard	<0.25
Benzene	µg/L	1.1	10.0	<1.00
Toluene	µg/L	1.3	750.0	<1.00
Ethyl Benzene	µg/L	<1	750.0	<1.00
m, p-XYLENE	µg/L	2.2		<1.00
o-XYLENE	µg/L	1.6		<1.00
Total Xylene ⁴	µg/L	3.88	620.00	<1.00
Naphthalene	µg/L	0.061		<0.05
Acenaphthylene	µg/L	<0.05		<0.05
Acenaphthene	µg/L	<0.05		<0.05
Fluorene	µg/L	<0.05		<0.05
Phenanthrene	µg/L	<0.05		<0.05
Anthracene	µg/L	<0.05		<0.05
Fluoranthene	µg/L	<0.05		<0.05
Pyrene	µg/L	<0.05		<0.05
Benzo[a]anthracene	µg/L	<0.05		<0.05
Chrysene	µg/L	<0.05		<0.05
Benzo[b]fluoranthene	µg/L	<0.05		<0.05
Benzo[k]fluoranthene	µg/L	<0.05		<0.05
Benzo[a]pyrene	µg/L	<0.05	0.700	<0.05
Indeno[1,2,3-cd]pyrene	µg/L	<0.05		<0.05
Dibenzo[a,h]anthracene	µg/L	<0.05		<0.05
Benzo[g,h,i]perylene	µg/L	<0.05		<0.05
PAH ⁵ : Total naphthalene plus monomethylnaphthalenes	µg/L	0.061	30.000	<0.05
Potassium (K)	mg/L	14.2		7.5
Iron (Fe)	mg/L	9.84	1.0	5.1
Manganese (Mn)	mg/L	0.544	0.2	0.1
Magnesium (Mg)	mg/L	145.0		61.7
Aluminum (Al)	mg/L	16.2	5.0	7.6
Arsenic (As)	mg/L	0.0106	0.1	<0.05
Barium (Ba)	mg/L	0.259	1.0	0.2
Boron (B)	mg/L	1.370	0.8	0.4
Cadmium (Cd)	mg/L	<0.005	0.0	<0.005
Chromium (Cr)	mg/L	0.015	0.1	<0.01
Cobalt (Co)	mg/L	<0.02	0.1	<0.02
Copper (Cu)	mg/L	<0.02	1.0	<0.02
Lead (Pb)	mg/L	0.0017	0.1	<0.02
Mercury (Hg)	mg/L	0.0120	0.0	<0.0002
Molybdenum (Mo)	mg/L	<0.02	1.0	<0.02
Nickel (Ni)	mg/L	<0.02	0.2	<0.02
Selenium (Se)	mg/L	<0.002	0.1	<0.05
Silver (Ag)	mg/L	<0.002	0.1	0.0
Zinc (Zn)	mg/L	0.033	10.0	<0.01
Calcium (Ca)	mg/L	379.00		188.0
Sodium (Na)	mg/L	949.00		83.1
Nitrate/Nitrite - N	mg/L	0.110	10.0	0.7
Fluoride (F)	mg/L	1.900	1.6	1.7
Chloride (Cl)	mg/L	2040.0	250.0	259.0
Sulfate (SO ₄)	mg/L	638.0	600.0	325.0
Total Alkalinity	mg/L	280.0		290.0
Total Dissolved Solids (TDS)	mg/L	4590.0	1000.0	1280.0
Conductivity (micromhos/cm)	µmhos/cm	5500.0		1500.0
pH	SU	6.8	6.0 - 9.0	7.0

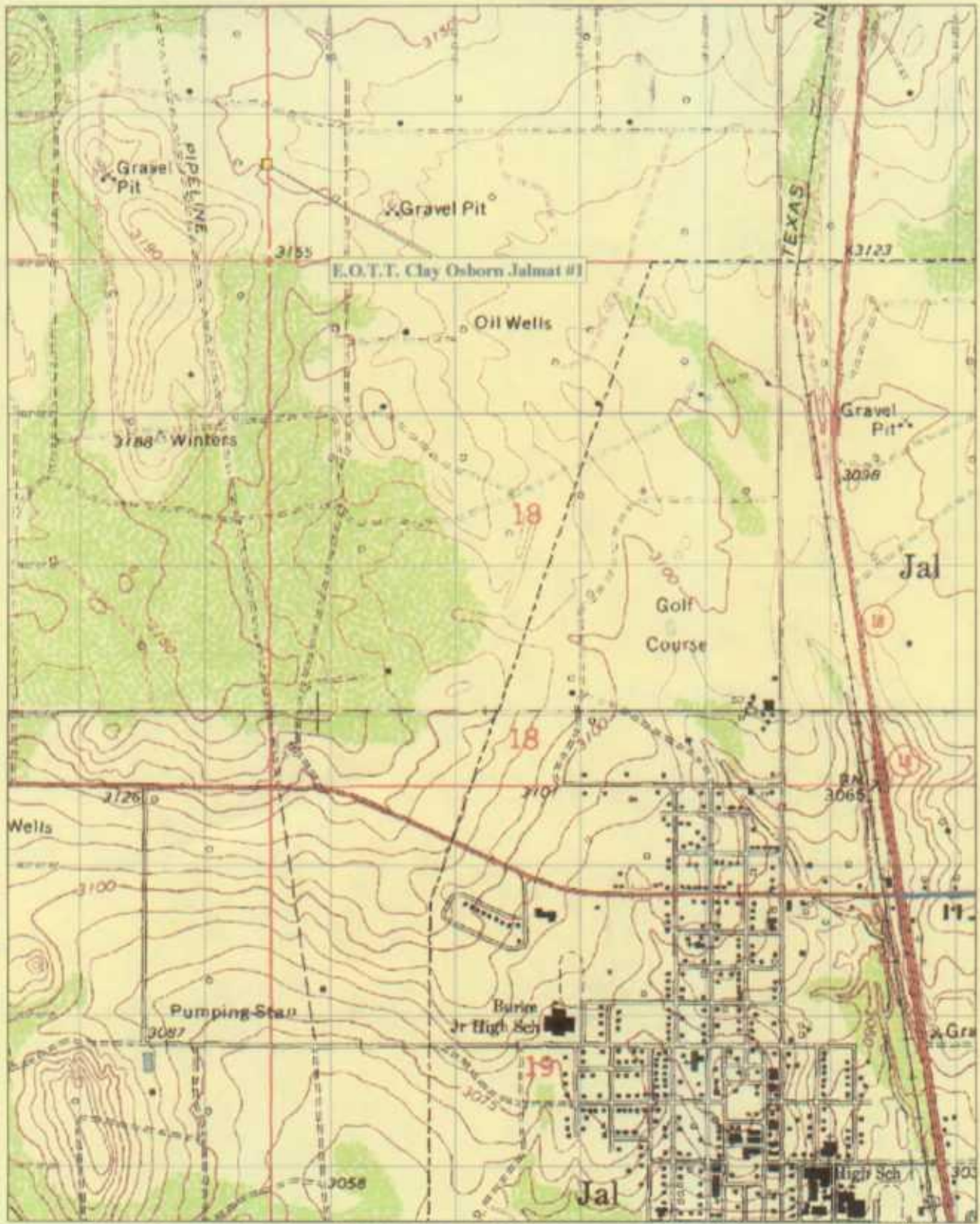
¹TPH - Total Petroleum Hydrocarbon

²GRO - Gasoline Range Organics C₆-C₁₂

³DRO - Diesel Range Organics C₁₂-C₂₄

⁴Total Xylene - Sum of the m, p, and o - Xylene values.

⁵NA - Not Analyzed



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1000 ft

Client: Environmental Plus, Inc.

Attn: Pat McCasland

Address: 1324 M.St Po Box

Eunice,

NM 88231

Phone: (505) 394-3481 **FAX:** (505) 394-2601

Report#/Lab ID#: 115989 **Report Date:** 07/24/01

Project ID: 2000 10606 Clay Osborn Jalmat I

Sample Name: EJM171001MW

Sample Matrix: water

Date Received: 07/11/2001 **Time:** 13:21

Date Sampled: 07/10/2001 **Time:** 08:30

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		07/22/01	8260b	---	---	---	---	---
Benzene	1.13	µg/L	1	<1	07/22/01	8260b	---	0.2	85.2	93.5	81.6
Ethylbenzene	<1	µg/L	1	<1	07/22/01	8260b	J	1.5	96.6	97.4	92.4
m,p-Xylenes	2.24	µg/L	1	<1	07/22/01	8260b	---	1.4	94.2	95.8	92
o-Xylene	1.64	µg/L	1	<1	07/22/01	8260b	---	0.7	97	96.9	94.4
Toluene	1.28	µg/L	1	<1	07/22/01	8260b	---	0	87.4	87.4	83.5

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program. © Copyright 2000, AnalySys, Inc., Austin, TX. All rights reserved. No part of this publication may be reproduced or transmitted in any form or by any means without the express written consent of AnalySys, Inc.

Respectfully Submitted,

Richard Laster

Richard Laster

1. Quality assurance data is for the sample batch which included this sample. 2. Precision (PREC) is the absolute value of the relative percent (%) difference between duplicate measurements. 3. Recovery (Recov.) is the percent (%) of analyte recovered from a spiked sample. 4. Calibration Verification (CCV) and Laboratory Control Sample (LCS) results are expressed as the percent (%) recovery of analyte from a known standard or matrix. 5. Reporting Quantitation Limits (RQL), typically at or above the Practical Quantitation Limit (PQL) of the analytical method. 6. Method numbers typically denote USEPA procedures. Less than (" $<$ ") values reflect nominal quantitation limits adjusted for any required dilutions. 7. Data Qualifiers are J = analyte potentially present between the PQL and the MDL. B = Analyte detected in associated method blank(s). S1 =MS and/or MSD recovery exceed advisory limits. S2 =Post digestion spike (PDS) recovery exceeds advisory limit. S3 =MS and/or MSD and PDS recoveries exceed advisory limits. P =Precision higher than advisory limit. M =Matrix interference.

Received 8.10.01

Client: Environmental Plus, Inc.
Attn: Pat McCasland

Project ID: 2000 10606 Clay Osborn Jalmat 1
Sample Name: EJM171001MW

Report#/Lab ID#: 115989
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	97.9	80-120	---
Toluene-d8	8260b	96.1	88-110	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

Exceptions Report:

Report #/Lab ID#: 115989 Matrix: water
Client: Environmental Plus, Inc. Attn: Pat McCasland
Project ID: 2000 10606 Clay Osborn Jalmat I
Sample Name: EJM171001MW

Sample Temperature/Condition <=6°C

The typical sample temperature criteria (except for metals by ICP, GFAA and AA and a very few other tests) is <= 6°C. Possible exceptions include samples submitted to laboratory within such a short time after sampling that cooling measures used in the field and during transport had insufficient time to achieve desired temperatures in the samples (see sample collection and sample receipt times) and samples where the temperature could not be measured due to sample submission in a manner precluding temperature measurement without impacting sample integrity (ex. in a bottle with no cooler).

Sample Bottles & Preservation

- ☒ Sample received in appropriate container(s) and appear to be appropriately preserved.
☐ Sample received in appropriate container(s). State of sample preservation unknown.
☐ Sample received in inappropriate container(s) and/or with unknown state of preservation.

J flag Discussion

A J flag data qualifier indicates (as required under TNRCC-TRRP reporting requirements) that the raw calculated analyte concentration in the sample (uncorrected for background levels/blanks and other potential sources of sampling and analytical contamination), though less than the Reported Quantitation Limit (RQL) is greater than the Detection Limit. Because the reported result is below the quantitation limit for this project/sample (or test procedure), GC/MS organics results may or MAY NOT have been verified as to the presence and relative ratio of target ions (eg. the material causing the J flag "hit" in such situations may be nothing more than background ion-fragment noise.)

Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
Ethylbenzene	J	See J-flag discussion above.

Notes:

Client: Environmental Plus, Inc.
Attn: Pat McCasland
Address: 1324 M.St Po Box
Eunice, NM 88231
Phone: (505) 394-3481 **FAX:** (505) 394-2601

Report#/Lab ID#: 115990 **Report Date:** 07/26/01
Project ID: 2000 10606 Clay Osborn Jalmat I
Sample Name: EJM171001MW
Sample Matrix: water
Date Received: 07/11/2001 **Time:** 13:21
Date Sampled: 07/10/2001 **Time:** 08:50

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Conductance	5500	µS/cm	1	<1	07/16/01	120.1 & 9050	---	0.7	-NA-	-NA-	-NA-
Metals Dig.-HNO3	---	---	---	---	07/19/01	3015	---	---	---	---	---
pH	6.8	pH units	---	---	07/13/01	150.1 & 9040	---	0	-NA-	-NA-	-NA-
Total dissolved solids	4590	mg/L	1	<1	07/13/01	160.1	---	1.54	-NA-	-NA-	-NA-
Calcium/ICP	379	mg/L	10	<10	07/19/01	6010 & 200.7	---	0.74	99.52	103.25	108.09
Iron/ICP	9.84	mg/L	0.05	<0.05	07/20/01	6010 & 200.7	---	0.8	104.65	101.65	107.86
Magnesium/ICP	145	mg/L	5	<5	07/19/01	6010 & 200.7	---	1.03	92.19	98.05	103.38
Manganese/ICP	0.544	mg/L	0.01	<0.01	07/20/01	6010 & 200.7	---	0.32	106.04	108	107.09
Potassium/AA	14.2	mg/L	0.5	<0.5	07/24/01	258.1 & 7610	---	4.67	91.95	96.68	98.53
Sodium/ICP	949	mg/L	50	<50	07/19/01	6010 & 200.7	---	0.03	102.37	107.95	106.8
Alkalinity, total	280	mg/L	10	<10	07/13/01	310.1	---	0	-NA-	-NA-	-NA-
Chloride	2040	mg/L	25	<25	07/19/01	325.2 & 9251	---	0.38	111.02	112.44	98.22
Fluoride	1.9	mg/L	0.05	<0.05	07/16/01	340.2	---	6.5	112.98	91.8	91.8
Nitrate/Nitrite-N	0.11	mg/L	0.01	<0.01	07/23/01	353.1	---	3.3	105.6	103.03	99.49
Sulfate	638	mg/L	50	<50	07/20/01	375.4 & 9038	---	2	100.11	97.93	101.2

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Respectfully Submitted,

Richard Laster

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Client: Environmental Plus, Inc.

Attn: Pat McCasland

Address: 1324 M.St Po Box
Eunice, NM 88231

Phone: (505) 394-3481 FAX: (505) 394-2601

Report#/Lab ID#: 115991 Report Date: 08/01/01

Project ID: 2000 10606 Clay Osborn Jalmat I

Sample Name: EJM171001MW

Sample Matrix: water

Date Received: 07/11/2001 Time: 13:21

Date Sampled: 07/10/2001 Time: 09:00

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
A/BN extraction-PAH	---	---	---	---	07/17/01	3520	---	---	---	---	---
Extractable organics-PAH	---	---	---	---	07/27/01	8270c	---	---	---	---	---
Acenaphthene	<0.05	µg/L	0.05	<0.05	07/27/01	8270c	---	15.5	54.7	88.1	47.5
Acenaphthylene	<0.05	µg/L	0.05	<0.05	07/27/01	8270c	---	12.2	48.3	82.2	38.5
Anthracene	<0.05	µg/L	0.05	<0.05	07/27/01	8270c	---	3.8	74.5	118.3	70.6
Benzo[a]anthracene	<0.05	µg/L	0.05	<0.05	07/27/01	8270c	---	4.7	66.4	90.7	59.6
Benzo[a]pyrene	<0.05	µg/L	0.05	<0.05	07/27/01	8270c	J	6	72.2	107.9	64.7
Benzo[b]fluoranthene	<0.05	µg/L	0.05	<0.05	07/27/01	8270c	---	6.8	65.2	93.5	63.3
Benzo[g,h,i]perylene	<0.05	µg/L	0.05	<0.05	07/27/01	8270c	---	3.6	82.4	106.6	76.4
Benzo[j,k]fluoranthene	<0.05	µg/L	0.05	<0.05	07/27/01	8270c	---	7.1	78.1	117.5	70.8
Chrysene	<0.05	µg/L	0.05	<0.05	07/27/01	8270c	J	5.4	72.8	105.1	67.7
Dibenz[a,h]anthracene	<0.05	µg/L	0.05	<0.05	07/27/01	8270c	---	0.6	86.2	102.9	77.3
Fluoranthene	<0.05	µg/L	0.05	<0.05	07/27/01	8270c	J	0.1	86.7	115.7	78.4
Fluorene	<0.05	µg/L	0.05	<0.05	07/27/01	8270c	---	12.5	55.4	86.2	47.2
Indeno[1,2,3-cd]pyrene	<0.05	µg/L	0.05	<0.05	07/27/01	8270c	---	3.6	81.5	105.3	74.2
Naphthalene	0.061	µg/L	0.05	<0.05	07/27/01	8270c	---	13.4	60.2	95.4	50.7
Phenanthrene	<0.05	µg/L	0.05	<0.05	07/27/01	8270c	J	4.6	82.8	114.2	70.6
Pyrene	<0.05	µg/L	0.05	<0.05	07/27/01	8270c	---	3	73.7	101.4	60.6

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Client: Environmental Plus, Inc.

Attn: Pat McCasland

Project ID: 2000 10606 Clay Osborn Jalmat I

Sample Name: EJM171001MW

Report#/Lab ID#: 115991

Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
2-Fluorobiphenyl	8270c	71.2	43-116	---
Nitrobenzene-d5	8270c	84.4	35-114	---
Terphenyl-d14	8270c	128	33-141	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

Exceptions Report:

Report #/Lab ID#: 115991 Matrix: water

Client: Environmental Plus, Inc. Attn: Pat McCasland

Project ID: 2000 10606 Clay Osborn Jalmat 1

Sample Name: EJM171001MW

Sample Temperature/Condition <=6°C

The typical sample temperature criteria (except for metals by ICP, GFAA and AA and a very few other tests) is <= 6°C. Possible exceptions include samples submitted to laboratory within such a short time after sampling that cooling measures used in the field and during transport had insufficient time to achieve desired temperatures in the samples (see sample collection and sample receipt times) and samples where the temperature could not be measured due to sample submission in a manner precluding temperature measurement without impacting sample integrity (ex. in a bottle with no cooler).

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- ☒ Sample received in appropriate container(s) and appear to be appropriately preserved.
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A J flag data qualifier indicates (as required under TNRCC-TRRP reporting requirements) that the raw calculated analyte concentration in the sample (uncorrected for background levels/blanks and other potential sources of sampling and analytical contamination), though less than the Reported Quantitation Limit (RQL) is greater than the Detection Limit. Because the reported result is below the quantitation limit for this project/sample (or test procedure), GC/MS organics results may or MAY NOT have been verified as to the presence and relative ratio of target ions (eg. the material causing the J flag "hit" in such situations may be nothing more than background ion-fragment noise.)

Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
Benz[a]pyrene	J	See J-flag discussion above.
Chrysene	J	See J-flag discussion above.
Fluoranthene	J	See J-flag discussion above.
Phenanthrene	J	See J-flag discussion above.

Notes:

Client: Environmental Plus, Inc.

Attn: Pat McCasland

Address: 1324 M.St Po Box
Eunice, NM 88231

Phone: (505) 394-3481 **FAX:** (505) 394-2601

Report#/Lab ID#: 115992 **Report Date:** 07/30/01

Project ID: 2000 10606 Clay Osborn Jalmat 1

Sample Name: EJM171001MW

Sample Matrix: water

Date Received: 07/11/2001 **Time:** 13:21

Date Sampled: 07/10/2001 **Time:** 08:00

REPORT OF ANALYSIS

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
TPH by GC (as diesel)	<0.02	mg/L	0.02	<0.02	07/27/01	8015 mod	J	2.8	72.7	111.1	103.5
TPH by GC (as diesel-ext)	---	---	---	---	07/17/01	3520	---	-NA-	-NA-	-NA-	-NA-
TPH by GC (as gasoline)	<0.25	mg/L	0.25	<0.25	07/17/01	8015 mod.	---	2.93	101.7	116.9	110.6

QUALITY ASSURANCE DATA¹

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Respectfully Submitted,

Richard Laster

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Client: Environmental Plus, Inc.
Attn: Pat McCasland

Project ID: 2000 10606 Clay Osborn Jalmat 1
Sample Name: EJM171001MW

Report#/Lab ID#: 115992
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
p-Terphenyl	8015 mod	73.8	50-150	---
Chlorobenzene-d5(Sur)	8015 mod.	96.7	50 - 150	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

Exceptions Report:

Report #/Lab ID#: 115992 Matrix: water
Client: Environmental Plus, Inc. Attn: Pat McCasland
Project ID: 2000 10606 Clay Osborn Jalmat 1
Sample Name: EJM171001MW

Sample Temperature/Condition <=6°C

The typical sample temperature criteria (except for metals by ICP, GFAA and AA and a very few other tests) is <= 6°C. Possible exceptions include samples submitted to laboratory within such a short time after sampling that cooling measures used in the field and during transport had insufficient time to achieve desired temperatures in the samples (see sample collection and sample receipt times) and samples where the temperature could not be measured due to sample submission in a manner precluding temperature measurement without impacting sample integrity (ex. in a bottle with no cooler).

Sample Bottles & Preservation

- ☒ Sample received in appropriate container(s) and appear to be appropriately preserved.
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J flag Discussion

A J flag data qualifier indicates (as required under TNRCC-TRRP reporting requirements) that the raw calculated analyte concentration in the sample (uncorrected for background levels/blanks and other potential sources of sampling and analytical contamination), though less than the Reported Quantitation Limit (RQL) is greater than the Detection Limit. Because the reported result is below the quantitation limit for this project/sample (or test procedure), GC/MS organics results may or MAY NOT have been verified as to the presence and relative ratio of target ions (eg. the material causing the J flag "hit" in such situations may be nothing more than background ion-fragment noise.)

Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
TPH by GC (as diesel)	J	See J-flag discussion above.

Notes:

Client: Environmental Plus, Inc.

Attn: Pat McCasland

Address: 1324 M.St Po Box
Eunice, NM 88231

Phone: (505) 394-3481 **FAX:** (505) 394-2601

Report#/Lab ID#: 115993 **Report Date:** 08/06/01

Project ID: 2000 10606 Clay Osborn Jalmat 1

Sample Name: EJM171001MW

Sample Matrix: water

Date Received: 07/11/2001 **Time:** 13:21

Date Sampled: 07/10/2001 **Time:** 08:20

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Metals Dig.-Hg	---	---	---	---	07/16/01	7470&245.1	---	---	---	---	---
Metals Dig.-HNO ₃	---	---	---	---	07/18/01	3015	---	---	---	---	---
Aluminum/ICP	16.2	mg/L	0.2	<0.2	07/26/01	6010 & 200.7	---	0.99	102.14	90.19	95.10
Arsenic/GFAA	0.0106	mg/L	0.001	<0.001	07/19/01	7060 & 206.2	---	1.07	104.65	104.1	92.42
Barium/ICP	0.259	mg/L	0.01	<0.01	07/20/01	6010 & 200.7	---	1.28	104.02	97.25	107.09
Boron/ICP	1.37	mg/L	0.02	<0.02	07/26/01	6010 & 200.7	---	0.02	103.13	93	102.99
Cadmium/ICP	<0.005	mg/L	0.005	<0.005	07/20/01	6010 & 200.7	---	1.68	108	100.75	110.5
Chromium/ICP	0.015	mg/L	0.01	<0.01	07/20/01	6010 & 200.7	---	0.36	104.45	105.5	107.47
Cobalt/ICP	<0.02	mg/L	0.02	<0.02	07/26/01	6010 & 200.7	J	0.53	99.64	95.5	95.71
Copper/ICP	<0.02	mg/L	0.02	<0.02	07/26/01	6010 & 200.7	J	0.22	100.79	96	100.9
Iron/ICP	9.71	mg/L	0.05	<0.05	07/26/01	6010 & 200.7	---	0.15	100.77	104.58	99.86
Lead/GFAA	0.0017	mg/L	0.001	<0.001	07/19/01	239.2&7421	---	0.5	93.35	95	93.6
Manganese/ICP	0.498	mg/L	0.01	<0.01	07/26/01	6010 & 200.7	---	0	103.39	102	101.26
Mercury/CVAA	0.012	mg/L	0.0002	<0.0002	07/16/01	245.1&7470	---	2.69	114.14	107	99.33
Molybdenum/ICP	<0.02	mg/L	0.02	<0.02	07/26/01	6010 & 200.7	---	0.65	101.28	98.25	99.84
Nickel/ICP	<0.02	mg/L	0.02	<0.02	07/26/01	6010 & 200.7	J	0.19	100.64	100.88	96.53
Selenium/GFAA	<0.002	mg/L	0.002	<0.002	07/19/01	7740 & 270.2	---	0.14	98.01	94	82.3
Silver/GFAA	<0.002	mg/L	0.002	<0.002	07/19/01	272.2&7761	---	8.48	72.48	82.5	100.0
Zinc/ICP	0.033	mg/L	0.01	<0.01	07/26/01	6010 & 200.7	---	0.22	101.59	96.25	99.95

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program. © Copyright 2000, AnalySys, Inc., Austin, TX. All rights reserved. No part of this publication may be reproduced or transmitted in any form or by any means without the express written consent of AnalySys, Inc.

Respectfully Submitted,

Richard Laster

Richard Laster

1. Quality assurance data is for the sample batch which included this sample. 2. Precision (PREC) is the absolute value of the relative percent (%) difference between duplicate measurements. 3. Recovery (Recov.) is the percent (%) of analyte recovered from a spiked sample. 4. Calibration Verification (CCV) and Laboratory Control Sample (LCS) results are expressed as the percent (%) recovery of analyte from a known standard or matrix. 5. Reporting Quantitation Limits (RQL), typically at or above the Practical Quantitation Limit (PQL) of the analytical method. 6. Method numbers typically denote USEPA procedures. Less than ("<") values reflect nominal quantitation limits adjusted for any required dilutions. 7. Data Qualifiers are J = analyte potentially present between the PQL and the MDL. B = Analyte detected in associated method blank(s). S1 = MS and/or MSD recovery exceed advisory limits. S2 = Post digestion spike (PDS) recovery exceeds advisory limit. S3 = MS and/or MSD and PDS recoveries exceed advisory limits. P = Precision higher than advisory limit. M = Matrix interference.

Exceptions Report:

Report #/Lab ID#: 115993 Matrix: water
Client: Environmental Plus, Inc. Attn: Pat McCasland
Project ID: 2000 10606 Clay Osborn Jalmat 1
Sample Name: EJM171001MW

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Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
Cobalt/ICP	J	See J-flag discussion above.
Copper/ICP	J	See J-flag discussion above.
Nickel/ICP	J	See J-flag discussion above.

Notes:

SHOULC INC.

Bill to (if different):

Company Name Felt
Address 5805 East Highway 20
City Midland State Tx Zip 79701
ATTN: Wayne
Phone 915-556-1090 Fax 915-684-3479

Analyses Requested (1)

Project Name/PO#: 2000 106060
 Sampler: Lady Miller
 C/A: School: Talent 1

(1) Unless specifically requested otherwise on this Chain-of-custody and/or attached documentation, all analyses will be conducted using ASI's method of choice and all data will be reported to ASI's normal reporting limits (MDL/PQL). For GC/MS volatiles and extractables, unless specific analytical parameter lists are specified on this chain-of-custody or attached to this chain-of-custody, ASI will default to Priority Pollutants or ASI's HSL list at ASI's option. Specific compound lists must be supplied for all GC procedures.

$$T = 1.002$$

Sample Relinquished By				Sample Received By			
Name	Affiliation	Date	Time	Name	Affiliation	Date	Time
Greg Miller	CPI	7-10-01	1000	E. H. [Signature]	AST	7-11-01	13:21

(Tendering of above described samples to AnalySys, Inc. for analytical testing constitutes agreement by buyer/sampler to AnalySys, Inc.'s standard terms.)