

AP-19

ASSESEMENT

REPORT

Part Four of Four

YEAR(S):
Jan. 17, 2003

Exceptions Report:

Report #/Lab ID#: 118058 Matrix: water
Client: Environmental Tech Group Attn: Ken Dutton
Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW28

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
TPH by GC (as gasoline)	P	The precision of the MS & MSD (or sample and sample duplicate for those analyses where MS/MSD are not run) is outside advisory/acceptance limits.
TPH by GC (as gasoline)	P	
Nickel/ICP	J	See J-flag discussion above.
Potassium/AA	B	One or more method/calib. or Prep. blanks associated with the analysis were found to have analyte above the RQL. However, the sample result is more than five times the conc. of the blank and impact on sample quantitation is negligible.
Potassium/AA	B	
Sodium/ICP	B	One or more method/calib. or Prep. blanks associated with the analysis were found to have analyte above the RQL. However, the sample result is more than five times the conc. of the blank and impact on sample quantitation is negligible.
Sodium/ICP	B	
Ethylbenzene	J	See J-flag discussion above.
Benzo[a]anthracene	J	See J-flag discussion above.
Benzo[a]pyrene	J	See J-flag discussion above.
Fluorene	J	See J-flag discussion above.
Naphthalene	J	See J-flag discussion above.

Notes:

Client: Environmental Tech Group
Attn: Ken Dutton
Address: 2540 W. Marland
Hobbs Nm 88240
Phone: 505 397-4882 **FAX:** 505 397-4701

Report#/Lab ID#: 118059 **Report Date:** 09/13/01
Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW29
Sample Matrix: water
Date Received: 08/14/2001 **Time:** 11:00
Date Sampled: 08/09/2001 **Time:** 10:59

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
A/BN Extraction-PAH	---	---	---	---	08/16/01	3520	---	---	---	---	---
Hardness	5700	mg/L CaC	---	---	08/29/01	SM 2340B	---	---	---	---	---
Metals Dig.-Hg	---	---	---	---	08/22/01	7470&245.1	---	---	---	---	---
Metals Dig.-HNO3	---	---	---	---	08/21/01	3015	---	---	---	---	---
Total dissolved solids	683	mg/L	1	<1	08/16/01	160.1	---	2.93	---	---	---
TPH by GC (as diesel)	<5	mg/L	5	<5	09/10/01	8015 mod.	---	12.1	83	109.5	-NA-
TPH by GC (as diesel-ext)	---	---	---	---	09/10/01	3510	---	---	---	---	97.2
TPH by GC (as gasoline)	0.6	mg/L	0.25	<0.25	08/22/01	8015 mod.	P	17.59	94.5	112.7	109.59
Arsenic/ICP	<0.05	mg/L	0.05	<0.05	08/24/01	6010 & 200.7	---	2.01	99.84	92.3	103.47
Barium/ICP	1.02	mg/L	0.02	<0.02	08/24/01	6010 & 200.7	---	17.78	69.8	97.75	80.09
Cadmium/ICP	<0.005	mg/L	0.005	<0.005	08/24/01	6010 & 200.7	---	0.81	97.43	93.5	101.89
Calcium/ICP	2120	mg/L	20	<20	08/24/01	6010 & 200.7	---	0.26	100.59	99	116.46
Chromium/ICP	0.118	mg/L	0.02	<0.02	08/24/01	6010 & 200.7	---	0.08	89.48	98.5	102
Cobalt/ICP	<0.02	mg/L	0.02	<0.02	09/08/01	6010 & 200.7	---	0.82	104.32	106	102.96
Copper/ICP	0.0659	mg/L	0.04	<0.04	08/24/01	6010 & 200.7	---	1.15	104.79	90.3	101.26
Iron/ICP	92.4	mg/L	10	<10	08/24/01	6010 & 200.7	---	0.23	95.07	99.23	106.31
Lead/ICP	0.0284	mg/L	0.02	<0.02	08/24/01	6010 & 200.7	J	0.1	91.46	101.1	105.41
Magnesium/ICP	110	mg/L	10	<10	08/24/01	6010 & 200.7	---	16.64	87.32	105.55	110.23
Manganese/ICP	1.42	mg/L	0.02	<0.02	08/24/01	6010 & 200.7	---	0.14	94.95	98.75	103.92
Mercury/CVAA	<0.0002	mg/L	0.0002	<0.0002	08/22/01	245.1&7470	---	9.15	73.74	83	99.33
Molybdenum/ICP	<0.02	mg/L	0.02	<0.02	09/08/01	6010 & 200.7	---	2.2	108.6	106.5	101.26

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.

Client: Environmental Tech Group
Attn: Ken Dutton

Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW29

Report#/Lab ID#: 118059
Sample Matrix: water

REPORT OF ANALYSIS-cont.

QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Nickel/ICP	0.076	mg/L	0.04	<0.04	08/24/01	6010 & 200.7	---	1.04	84.23	102	97.27
Potassium/AA	37.6	mg/L	2	<2	08/22/01	258.1&7610	B	0.61	92.03	96.52	96.06
Selenium/ICP	<0.05	mg/L	0.05	<0.05	08/24/01	6010 & 200.7	---	1.48	95.81	90.93	100.14
Silver/GFAA	<0.004	mg/L	0.004	<0.004	08/21/01	272.2&7761	---	0.99	93.58	102.5	97
Sodium/ICP	87.1	mg/L	1	<1	08/24/01	6010 & 200.7	B	9.58	91.51	105.4	107.88
Zinc/ICP	0.215	mg/L	0.02	<0.02	08/24/01	6010 & 200.7	---	0.22	93.04	93.5	103.69
Alkalinity, total	380	mg/L	10	<10	08/16/01	310.1	---	1.53	-NA-	-NA-	-NA-
Chloride	128	mg/L	2.5	<2.5	08/20/01	325.2&9251	---	0.65	105.2	105.78	96.98
Fluoride	0.99	mg/L	0.05	<0.05	08/15/01	340.2	---	8.57	99.1	87.98	87.98
Nitrate/Nitrite-N	0.116	mg/L	0.1	<0.1	08/15/01	353.1	---	2.06	109.18	111.87	106.2
Sulfate	15.7	mg/L	1	<1	08/20/01	375.4&9038	---	1.02	105.48	100.01	102.95
Extractable organics-PAH	---	---	---	---	08/22/01	8270c	---	---	---	---	---
Volatile organics-8260b/BTEX	---	---	---	---	08/21/01	8260b	---	---	---	---	---
Benzene	68.3	µg/L	1	<1	08/21/01	8260b	---	0.9	84.1	87.2	86.1
Ethylbenzene	<1	µg/L	1	<1	08/21/01	8260b	---	1.4	98.5	102.3	96.4
m,p-Xylenes	<1	µg/L	1	<1	08/21/01	8260b	J	2	94.1	98.5	92.3
o-Xylene	2.54	µg/L	1	<1	08/21/01	8260b	---	1.9	99.4	100.5	98.2
Toluene	<1	µg/L	1	<1	08/21/01	8260b	---	1.6	84.5	86	88.2
Acenaphthene	0.138	µg/L	0.05	<0.05	08/22/01	8270c	---	14.2	68.5	88	72.1
Acenaphthylene	<0.05	µg/L	0.05	<0.05	08/22/01	8270c	---	14	70.9	92.1	75.8
Anthracene	<0.05	µg/L	0.05	<0.05	08/22/01	8270c	---	1.3	81.2	83.6	88.5
Benzo[a]anthracene	<0.05	µg/L	0.05	<0.05	08/22/01	8270c	J	1.1	87.6	83.2	95.6
Benzo[a]pyrene	<0.05	µg/L	0.05	<0.05	08/22/01	8270c	---	2.3	72.6	85.8	73.3
Benzo[b]fluoranthene	<0.05	µg/L	0.05	<0.05	08/22/01	8270c	---	1.1	70.1	82.2	81.9
Benzo[g,h,i]perylene	<0.05	µg/L	0.05	<0.05	08/22/01	8270c	---	1.1	88.5	89	107.3
Benzo[j,k]fluoranthene	<0.05	µg/L	0.05	<0.05	08/22/01	8270c	---	1	79.6	89	78.6
Chrysene	<0.05	µg/L	0.05	<0.05	08/22/01	8270c	---	1.8	86.5	86.3	87.8
Dibenz[a,h]anthracene	<0.05	µg/L	0.05	<0.05	08/22/01	8270c	---	0.7	92.1	93.1	99.4
Fluoranthene	<0.05	µg/L	0.05	<0.05	08/22/01	8270c	---	0.4	82.7	83.7	83.5
Fluorene	0.678	µg/L	0.05	<0.05	08/22/01	8270c	---	7.2	66.7	85.3	70.6
Indeno[1,2,3-cd]pyrene	<0.05	µg/L	0.05	<0.05	08/22/01	8270c	---	0.1	82.5	85.2	100.2
Naphthalene	0.126	µg/L	0.05	<0.05	08/22/01	8270c	---	23.8	63.9	99.9	66.9

Client: Environmental Tech Group
Attn: Ken Dutton

Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW29

Report#/Lab ID#: 118059
Sample Matrix: water

REPORT OF ANALYSIS-cont.

QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Phenanthrene	<0.05	µg/L	0.05	<0.05	08/22/01	8270c	J	4.3	87.1	88.8	89.9
Pyrene	<0.05	µg/L	0.05	<0.05	08/22/01	8270c	---	1.6	82.5	87.3	87.2

Client: Environmental Tech Group
Attn: Ken Dutton

Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW29

Report#/Lab ID#: 118059
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Chlorobenzene-d5(Sur) p-Terphenyl	8015 mod.	105	50 - 150	---
	8015 mod.	60.9	50-150	---
1,2-Dichloroethane-d4 Toluene-d8	8260b	104	80-120	---
	8260b	106	88-110	---
2-Fluorobiphenyl Nitrobenzene-d5 Terphenyl-d14	8270c	49	43-116	---
	8270c	68	35-114	---
	8270c	65.2	33-141	---

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

Exceptions Report:

Report #/Lab ID#: 118059 Matrix: water
Client: Environmental Tech Group
Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW29
Attn: Ken Dutton

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
TPH by GC (as gasoline)	P	The precision of the MS & MSD (or sample and sample duplicate for those analyses where MS/MSD are not run) is outside advisory/acceptance limits.
TPH by GC (as gasoline)	P	
Lead/ICP	J	See J-flag discussion above.
Potassium/AA	B	One or more method/calib. or Prep. blanks associated with the analysis were found to have analyte above the RQL. However, the sample result is more than five times the conc. of the blank and impact on sample quantitation is negligible.
Potassium/AA	B	
Sodium/ICP	B	One or more method/calib. or Prep. blanks associated with the analysis were found to have analyte above the RQL. However, the sample result is more than five times the conc. of the blank and impact on sample quantitation is negligible.
Sodium/ICP	B	
m,p-Xylenes	J	See J-flag discussion above.
Benzoflanthracene	J	See J-flag discussion above.
Phenanthrene	J	See J-flag discussion above.

Notes:

Client: Environmental Tech Group
Attn: Ken Dutton
Address: 2540 W. Marland
Hobbs Nm 88240
Phone: 505 397-4882 **FAX:** 505 397-4701

Report#/Lab ID#: 118060 **Report Date:** 09/13/01
Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW30
Sample Matrix: water
Date Received: 08/14/2001 **Time:** 11:00
Date Sampled: 08/09/2001 **Time:** 10:45

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	---	---	---	---	08/16/01	3520	---	---	---	---	---
Hardness	5900	mg/L CaC	---	---	08/29/01	SM 2340B	---	---	---	---	---
Metals Dig.-Hg	---	---	---	---	08/22/01	7470&245.1	---	---	---	---	---
Metals Dig.-HNO3	---	---	---	---	08/21/01	3015	---	---	---	---	---
Total dissolved solids	1060	mg/L	1	<1	08/16/01	160.1	---	2.93	NA-	NA-	NA-
TPH by GC (as diesel)	<5	mg/L	5	<5	09/10/01	8015 mod.	---	12.1	83	109.5	97.2
TPH by GC (as diesel-ext)	---	---	---	---	09/10/01	3510	---	---	---	---	---
TPH by GC (as gasoline)	3.8	mg/L	0.25	<0.25	08/22/01	8015 mod.	P	17.59	94.5	112.7	109.59
Arsenic/ICP	<0.05	mg/L	0.05	<0.05	08/24/01	6010 & 200.7	---	2.01	99.84	92.3	103.47
Barium/ICP	3.91	mg/L	0.02	<0.02	08/24/01	6010 & 200.7	---	17.78	69.8	97.75	80.09
Cadmium/ICP	<0.005	mg/L	0.005	<0.005	08/24/01	6010 & 200.7	---	0.81	97.43	93.5	101.89
Calcium/ICP	2170	mg/L	20	<20	08/24/01	6010 & 200.7	---	0.26	100.59	99	116.46
Chromium/ICP	0.0763	mg/L	0.02	<0.02	08/24/01	6010 & 200.7	---	0.08	89.48	98.5	102
Cobalt/ICP	<0.02	mg/L	0.02	<0.02	09/08/01	6010 & 200.7	---	0.82	104.32	106	102.96
Copper/ICP	0.0479	mg/L	0.04	<0.04	08/24/01	6010 & 200.7	---	1.15	104.79	90.3	101.26
Iron/ICP	56.9	mg/L	10	<10	08/24/01	6010 & 200.7	---	0.23	95.07	99.23	106.31
Lead/ICP	<0.02	mg/L	0.02	<0.02	08/24/01	6010 & 200.7	---	0.1	91.46	101.1	105.41
Magnesium/ICP	106	mg/L	10	<10	08/24/01	6010 & 200.7	---	16.64	87.32	105.55	110.23
Manganese/ICP	1.05	mg/L	0.02	<0.02	08/24/01	6010 & 200.7	---	0.14	94.95	98.75	103.92
Mercury/CVAA	<0.0002	mg/L	0.0002	<0.0002	08/22/01	245.1&7470	---	9.15	73.74	83	99.33
Molybdenum/ICP	<0.02	mg/L	0.02	<0.02	09/08/01	6010 & 200.7	---	2.2	108.6	106.5	101.26

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.

Client: Environmental Tech Group
Attn: Ken Dutton

Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW30

Report#/Lab ID#: 118060
Sample Matrix: water

REPORT OF ANALYSIS-cont.

QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Nickel/ICP	0.0495	mg/L	0.04	<0.04	08/24/01	6010 & 200.7	---	1.04	84.23	102	97.27
Potassium/AA	19.7	mg/L	1	<1	08/22/01	258.1&7610	B	0.61	92.03	96.52	96.06
Selenium/ICP	<0.05	mg/L	0.05	<0.05	08/24/01	6010 & 200.7	---	1.48	95.81	90.93	100.14
Silver/GFAA	<0.004	mg/L	0.004	<0.004	08/21/01	272.2&7761	---	0.99	93.58	102.5	97
Sodium/ICP	189	mg/L	1	<1	08/24/01	6010 & 200.7	B	9.58	91.51	105.4	107.88
Zinc/ICP	0.181	mg/L	0.02	<0.02	08/24/01	6010 & 200.7	---	0.22	93.04	93.5	103.69
Alkalinity, total	420	mg/L	10	<10	08/16/01	310.1	---	1.53	-NA-	-NA-	-NA-
Chloride	316	mg/L	2.5	<2.5	08/20/01	325.2&9251	---	0.65	105.2	105.78	96.98
Fluoride	1.2	mg/L	0.05	<0.05	08/15/01	340.2	---	8.57	99.1	87.98	87.98
Nitrate/Nitrite-N	0.0229	mg/L	0.01	<0.01	08/15/01	353.1	---	2.06	109.18	111.87	106.2
Sulfate	5.19	mg/L	1	<1	08/20/01	375.4&9038	---	1.02	105.48	100.01	102.95
Extractable organics-PAH	---	---	---	---	08/22/01	8270c	---	---	---	---	---
Volatile organics-8260b/BTEX	---	---	---	---	08/21/01	8260b	---	---	---	---	---
Benzene	290	µg/L	10	<10	08/21/01	8260b	---	0.9	84.1	87.2	86.1
Ethylbenzene	146	µg/L	1	<1	08/21/01	8260b	---	1.4	98.5	102.3	96.4
m,p-Xylenes	336	µg/L	1	<1	08/21/01	8260b	---	2	94.1	98.5	92.3
o-Xylene	15.5	µg/L	1	<1	08/21/01	8260b	---	1.9	99.4	100.5	98.2
Toluene	5.11	µg/L	1	<1	08/21/01	8260b	---	1.6	84.5	86	88.2
Acenaphthene	<0.05	µg/L	0.05	<0.05	08/22/01	8270c	J	14.2	68.5	88	72.1
Acenaphthylene	<0.05	µg/L	0.05	<0.05	08/22/01	8270c	---	14	70.9	92.1	75.8
Anthracene	<0.05	µg/L	0.05	<0.05	08/22/01	8270c	---	1.3	81.2	83.6	88.5
Benzo[a]anthracene	<0.05	µg/L	0.05	<0.05	08/22/01	8270c	---	1.1	87.6	83.2	95.6
Benzo[a]pyrene	<0.05	µg/L	0.05	<0.05	08/22/01	8270c	---	2.3	72.6	85.8	73.3
Benzo[b]fluoranthene	<0.05	µg/L	0.05	<0.05	08/22/01	8270c	---	1.1	70.1	82.2	81.9
Benzo[g,h,i]perylene	<0.05	µg/L	0.05	<0.05	08/22/01	8270c	---	1.1	88.5	89	107.3
Benzo[j,k]fluoranthene	<0.05	µg/L	0.05	<0.05	08/22/01	8270c	---	1	79.6	89	78.6
Chrysene	<0.05	µg/L	0.05	<0.05	08/22/01	8270c	---	1.8	86.5	86.3	87.8
Dibenz[a,h]anthracene	<0.05	µg/L	0.05	<0.05	08/22/01	8270c	---	0.7	92.1	93.1	99.4
Fluoranthene	<0.05	µg/L	0.05	<0.05	08/22/01	8270c	---	0.4	82.7	83.7	83.5
Fluorene	<0.05	µg/L	0.05	<0.05	08/22/01	8270c	J	7.2	66.7	85.3	70.6
Indeno[1,2,3-cd]pyrene	<0.05	µg/L	0.05	<0.05	08/22/01	8270c	---	0.1	82.5	85.2	100.2
Naphthalene	0.107	µg/L	0.05	<0.05	08/22/01	8270c	---	23.8	63.9	99.9	66.9

Client: Environmental Tech Group
Attn: Ken Dutton

Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW30

Report#/Lab ID#: 118060
Sample Matrix: water

REPORT OF ANALYSIS-cont.

QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Phenanthrene	<0.05	µg/L	0.05	<0.05	08/22/01	8270c	---	4.3	87.1	88.8	89.9
Pyrene	<0.05	µg/L	0.05	<0.05	08/22/01	8270c	---	1.6	82.5	87.3	87.2

Client: Environmental Tech Group
Attn: Ken Dutton

Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW30

Report#/Lab ID#: 118060
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Chlorobenzene-d5(Sur)	8015 mod.	127.4	50 - 150	---
p-Terphenyl	8015 mod.	57.3	50-150	---
1,2-Dichloroethane-d4	8260b	125	80-120	X
Toluene-d8	8260b	117	88-110	X
2-Fluorobiphenyl	8270c	43.6	43-116	---
Nitrobenzene-d5	8270c	60.1	35-114	---
Terphenyl-d14	8270c	56.2	33-141	---

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

Exceptions Report:

Report #/Lab ID#: 118060	Matrix: water	Attn: Ken Dutton
Client: Environmental Tech Group		
Project ID: Jimmy Cooper EOT 2074C		
Sample Name: MW30		

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
TPH by GC (as gasoline)	P	The precision of the MS & MSD (or sample and sample duplicate for those analyses where MS/MSD are not run) is outside advisory/acceptance limits.
TPH by GC (as gasoline)	P	
Potassium/AA	B	One or more method/calib. or Prep. blanks associated with the analysis were found to have analyte above the RQL. However, the sample result is more than five times the conc. of the blank and impact on sample quantitation is negligible.
Potassium/AA	B	
Sodium/ICP	B	One or more method/calib. or Prep. blanks associated with the analysis were found to have analyte above the RQL. However, the sample result is more than five times the conc. of the blank and impact on sample quantitation is negligible.
Sodium/ICP	B	
Acenaphthene	J	See J-flag discussion above.
Fluorene	J	See J-flag discussion above.
1,2-Dichloroethane-d4	X	Surrogate recovery outside advisory/acceptance limits. Typically verified by reanalysis or reextraction & reanalysis. In some well known matrices (sample sources with known interferences) and for some conditions, reextraction and/or reanalysis may be at analysts discretion.
1,2-Dichloroethane-d4	X	
Toluene-d8	X	Surrogate recovery outside advisory/acceptance limits. Typically verified by reanalysis or reextraction & reanalysis. In some well known matrices (sample sources with known interferences) and for some conditions, reextraction and/or reanalysis may be at analysts discretion.
Toluene-d8	X	

Notes:

Client: Environmental Tech Group
Attn: Ken Dutton
Address: 2540 W. Marland
Hobbs Nm 88240
Phone: 505 397-4882 **FAX:** 505 397-4701

Report#/Lab ID#: 118061 **Report Date:** 09/13/01
Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW31
Sample Matrix: water
Date Received: 08/14/2001 **Time:** 11:00
Date Sampled: 08/09/2001 **Time:** 10:30

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA 1

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
A/BN Extraction-PAH	---	---	---	---	08/16/01	3520	---	---	---	---	---
Hardness	3700	mg/L CaC	---	---	08/29/01	SM 2340B	---	---	---	---	---
Metals Dig.-Hg	---	---	---	---	08/22/01	7470&245.1	---	---	---	---	---
Metals Dig.-HNO3	---	---	---	---	08/21/01	3015	---	---	---	---	---
Total dissolved solids	1060	mg/L	1	<1	08/16/01	160.1	---	2.93	-NA-	-NA-	-NA-
TPH by GC (as diesel)	<5	mg/L	5	<5	09/10/01	8015 mod.	---	12.1	83	109.5	97.2
TPH by GC (as diesel-ext)	---	---	---	---	09/10/01	3510	---	---	---	---	---
TPH by GC (as gasoline)	<0.25	mg/L	0.25	<0.25	08/22/01	8015 mod.	J,P	17.59	94.5	112.7	109.59
Arsenic/ICP	<0.05	mg/L	0.05	<0.05	08/24/01	6010 & 200.7	---	0.5	118.82	102.4	111.31
Barium/ICP	1.77	mg/L	0.02	<0.02	08/24/01	6010 & 200.7	---	1.31	91.37	91	84.5
Cadmium/ICP	<0.005	mg/L	0.005	<0.005	08/24/01	6010 & 200.7	---	0.97	114.37	101.5	108.63
Calcium/ICP	1370	mg/L	20	<20	08/24/01	6010 & 200.7	---	0.26	100.59	99	116.46
Chromium/ICP	0.0642	mg/L	0.02	<0.02	08/24/01	6010 & 200.7	---	1.68	114.47	104.88	111.4
Cobalt/ICP	<0.04	mg/L	0.04	<0.04	08/24/01	6010 & 200.7	J	0.82	104.32	106	102.96
Copper/ICP	0.0484	mg/L	0.04	<0.04	08/24/01	6010 & 200.7	---	2.72	116.87	106.25	107.7
Iron/ICP	31.3	mg/L	0.1	<0.1	08/24/01	6010 & 200.7	---	1.2	117.58	93.85	114.3
Lead/ICP	<0.02	mg/L	0.02	<0.02	08/24/01	6010 & 200.7	---	2.19	114.21	103.65	112.57
Magnesium/ICP	79	mg/L	10	<10	08/24/01	6010 & 200.7	---	16.64	87.32	105.55	110.23
Manganese/ICP	1.12	mg/L	0.02	<0.02	08/24/01	6010 & 200.7	---	2.23	115.9	101	111.33
Mercury/CVAA	<0.0002	mg/L	0.0002	<0.0002	08/22/01	245.1&7470	---	9.15	73.74	83	99.33
Molybdenum/ICP	<0.02	mg/L	0.02	<0.02	08/24/01	6010 & 200.7	---	2.2	108.6	106.5	101.26

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.

Client: Environmental Tech Group
Attn: Ken Dutton

Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW31

Report#/Lab ID#: 118061
Sample Matrix: water

REPORT OF ANALYSIS-cont.

QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Nickel/ICP	0.0477	mg/L	0.04	<0.04	08/24/01	6010 & 200.7	---	1.09	103.94	100.88	104.38
Potassium/AA	17.3	mg/L	1	<1	08/22/01	258.1&7610	B	0.61	92.03	96.52	96.06
Selenium/ICP	<0.05	mg/L	0.05	<0.05	08/24/01	6010 & 200.7	---	1.09	113.55	101.4	108.13
Silver/GFAA	<0.004	mg/L	0.004	<0.004	08/21/01	272.2&7761	---	0.99	93.58	102.5	97
Sodium/ICP	84.6	mg/L	1	<1	08/24/01	6010 & 200.7	---	0.37	99.26	102.9	112.39
Zinc/ICP	0.137	mg/L	0.02	<0.02	08/24/01	6010 & 200.7	---	1.37	116.21	103.5	111.41
Alkalinity, total	310	mg/L	10	<10	08/16/01	310.1	---	1.53	-NA-	-NA-	-NA-
Chloride	229	mg/L	2.5	<2.5	08/20/01	325.2&9251	---	0.65	105.2	105.78	96.98
Fluoride	1.1	mg/L	0.05	<0.05	08/15/01	340.2	---	8.57	99.1	87.98	87.98
Nitrate/Nitrite-N	0.714	mg/L	0.01	<0.01	08/15/01	353.1	---	2.06	109.18	111.87	106.2
Sulfate	88.6	mg/L	2	<2	08/20/01	375.4&9038	---	1.02	105.48	100.01	102.95
Extractable organics-PAH	---	---	---	---	08/27/01	8270c	---	---	---	---	---
Volatile organics-8260b/BTEX	---	---	---	---	08/21/01	8260b	---	---	---	---	---
Benzene	2.06	µg/L	1	<1	08/21/01	8260b	---	0.9	84.1	87.2	86.1
Ethylbenzene	<1	µg/L	1	<1	08/21/01	8260b	J	1.4	98.5	102.3	96.4
m,p-Xylenes	1.34	µg/L	1	<1	08/21/01	8260b	---	2	94.1	98.5	92.3
o-Xylene	<1	µg/L	1	<1	08/21/01	8260b	---	1.9	99.4	100.5	98.2
Toluene	<1	µg/L	1	<1	08/21/01	8260b	---	1.6	84.5	86	88.2
Acenaphthene	<0.05	µg/L	0.05	<0.05	08/27/01	8270c	---	14.2	68.5	88	72.1
Acenaphthylene	<0.05	µg/L	0.05	<0.05	08/27/01	8270c	---	14	70.9	92.1	75.8
Anthracene	<0.05	µg/L	0.05	<0.05	08/27/01	8270c	---	1.3	81.2	83.6	88.5
Benzo[a]anthracene	<0.05	µg/L	0.05	<0.05	08/27/01	8270c	---	1.1	87.6	83.2	95.6
Benzo[a]pyrene	<0.05	µg/L	0.05	<0.05	08/27/01	8270c	---	2.3	72.6	85.8	73.3
Benzo[b]fluoranthene	<0.05	µg/L	0.05	<0.05	08/27/01	8270c	---	1.1	70.1	82.2	81.9
Benzo[g,h,i]perylene	<0.05	µg/L	0.05	<0.05	08/27/01	8270c	---	1.1	88.5	89	107.3
Benzo[j,k]fluoranthene	<0.05	µg/L	0.05	<0.05	08/27/01	8270c	---	1	79.6	89	78.6
Chrysene	<0.05	µg/L	0.05	<0.05	08/27/01	8270c	J	1.8	86.5	86.3	87.8
Dibenz[a,h]anthracene	<0.05	µg/L	0.05	<0.05	08/27/01	8270c	---	0.7	92.1	93.1	99.4
Fluoranthene	<0.05	µg/L	0.05	<0.05	08/27/01	8270c	---	0.4	82.7	83.7	83.5
Fluorene	<0.05	µg/L	0.05	<0.05	08/27/01	8270c	---	7.2	66.7	85.3	70.6
Indeno[1,2,3-cd]pyrene	<0.05	µg/L	0.05	<0.05	08/27/01	8270c	---	0.1	82.5	85.2	100.2
Naphthalene	<0.05	µg/L	0.05	<0.05	08/27/01	8270c	---	23.8	63.9	99.9	66.9

Client: Environmental Tech Group
Attn: Ken Dutton

Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW31

Report#/Lab ID#: 118061
Sample Matrix: water

REPORT OF ANALYSIS-cont.

QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Phenanthrene	<0.05	µg/L	0.05	<0.05	08/27/01	8270c	---	4.3	87.1	88.8	89.9
Pyrene	<0.05	µg/L	0.05	<0.05	08/27/01	8270c	---	1.6	82.5	87.3	87.2

Client: Environmental Tech Group
Attn: Ken Dutton

Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW31

Report#/Lab ID#: 118061
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Chlorobenzene-d5(Sur) p-Terphenyl	8015 mod.	112.6	50 - 150	---
	8015 mod.	59.3	50-150	---
1,2-Dichloroethane-d4 Toluene-d8	8260b	111	80-120	---
	8260b	101	88-110	---
2-Fluorobiphenyl Nitrobenzene-d5 Terphenyl-d14	8270c	56.2	43-116	---
	8270c	110	35-114	---
	8270c	85.7	33-141	---

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

Exceptions Report:

Report #/Lab ID#: 118061	Matrix: water	Attn: Ken Dutton
Client: Environmental Tech Group		
Project ID: Jimmy Cooper EOT 2074C		
Sample Name: MW31		

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
TPH by GC (as gasoline)	P	The precision of the MS & MSD (or sample and sample duplicate for those analyses where MS/MSD are not run) is outside advisory/acceptance limits.
TPH by GC (as gasoline)	P	
TPH by GC (as gasoline)	J	See J-flag discussion above.
Cobalt/ICP	J	See J-flag discussion above.
Potassium/AA	B	One or more method/calib. or Prep. blanks associated with the analysis were found to have analyte above the RQL. However, the sample result is more than five times the conc. of the blank and impact on sample quantitation is negligible.
Potassium/AA	B	
Ethylbenzene	J	See J-flag discussion above.
Chrysene	J	See J-flag discussion above.

Notes:

למכר שטח

1063

Bill to (if different):

Company Name Es 11

Address

City _____ State _____ Zip _____

ATTN:

Phone _____ Fax _____

Rush Status (must be confirmed with lab mgr.):

Project Name/PO#: Jimmy Cooper

20746

Analyses Requested (1)

Please attach explanatory information as required

Sample Received By

$$T = 3.7$$

(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/POL). 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.

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

CHAIN-OF-CUSTODY

Send Reports to:

Company Name ETGZ

Address 2540 W MARLAND

City HOOVER State NM Zip 88240

ATTN: KEN DUTTON

Phone (505) 397-4882 Fax (505) 397-4701

Rush Status (must be confirmed with lab mgr.):

Project Name/PO#: Jimmy Cooper Sampler: Simon Casas

EOI 2074C

Bill to (if different):

Company Name EOI

Address

City State Zip

ATTN:

Phone Fax

6063

6063

104

ANALYSYS INC.

4221 Freidrich Lane, Suite 190, Austin, TX 78744
(512) 444-5896

Analyses Requested (1)

Please attach explanatory information as required

Client Sample No. Description/Identification	Date Sampled	Time Sampled	No. of Containers	Soil	Water	Waste	Lab I.D. # (Lab only)	Comments
MW 17	8-10-01	1215			X		118050	X
MW 19	8-9-01	1015					118051	X
MW 21		1000					118052	X
MW 23		0930					118053	X
MW 24		1235					118054	X
MW 25		1305					118055	X
MW 26		1330					118056	X
MW 27		1220					118057	X
MW 28		1245					118058	X
MW 29		1059					118059	X

(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 = 3.7

Sample Relinquished By			Sample Received By		
Name	Affiliation	Date	Name	Affiliation	Date
Simon Casas		8-13-01	ASZ	ASZ	8/14/01
					10:00

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



4221 Freidrich Lane, Suite 190, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 444-5896 • FAX (512) 447-4766

Client: Environmental Tech Group
Attn: Jason Henry
Address: 4600 West Wall
Midland
Tx 79703
Phone: 915 522-1139 FAX: 915 520-4310

Report#/Lab ID#: 121171 Report Date: 11/12/01
Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 32
Sample Matrix: water
Date Received: 10/23/2001 Time: 14:04
Date Sampled: 10/18/2001 Time: 14:30

REPORT OF ANALYSIS

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
A/BN extraction-PAH	---	---	---	---	10/23/01	3520	---	---	---	---	---
Metals Dig.-Hg	---	---	---	---	10/29/01	7470&245.1	---	---	---	---	---
Metals Dig.-HNO ₃	---	---	---	---	10/23/01	3015	---	---	---	---	---
Metals Dig.-HNO ₃ *filtered	---	---	---	---	10/24/01	3005A	---	---	---	---	---
Total dissolved solids	749	mg/L	1	<1	10/25/01	160.1	---	4.45	-NA-	-NA-	-NA-
TPH by GC (as diesel)	38.8	mg/L	0.5	<0.5	11/06/01	8015 mod.	---	19.4	77.5	107.1	110.6
TPH by GC (as diesel-ext)	---	---	---	---	10/23/01	3540	---	---	---	---	---
TPH by GC (as gasoline)	15	mg/L	0.5	<0.5	10/23/01	8015 mod.	---	11.2	73.7	102.3	97.8
Aluminum/ICP	0.808	mg/L	0.2	<0.2	11/05/01	6010 & 200.7	---	7.89	106.17	98.81	109.46
Arsenic/ICP	<0.05	mg/L	0.05	<0.05	11/05/01	6010 & 200.7	---	2.57	100.2	104.55	100.99
Barium/ICP	0.282	mg/L	0.01	<0.01	11/05/01	6010 & 200.7	---	2.89	102.94	100.5	106.04
Beryllium/ICP	<0.004	mg/L	0.004	<0.004	11/05/01	6010 & 200.7	---	1.83	104.4	103.75	106.63
Boron/ICP	0.226	mg/L	0.02	<0.02	11/05/01	6010 & 200.7	---	4.74	99.8	104.5	102.82
Cadmium/ICP	<0.005	mg/L	0.005	<0.005	11/05/01	6010 & 200.7	J	2.77	98.12	102.5	101.49
Calcium/ICP*filtered	121	mg/L	10	<10	11/02/01	6010 & 200.7	---	2.3	102.62	102.1	101.58
Chromium/ICP	<0.01	mg/L	0.01	<0.01	11/05/01	6010 & 200.7	J	2.41	100.77	106.5	105.08
Cobalt/ICP	<0.02	mg/L	0.02	<0.02	11/05/01	6010 & 200.7	---	2.67	98.54	103.25	104.3
Copper/ICP	0.0344	mg/L	0.02	<0.02	11/05/01	6010 & 200.7	---	2.75	99.56	98.95	103.06
Iron/ICP	1.24	mg/L	0.05	<0.05	11/05/01	6010 & 200.7	---	4.26	104.32	107.85	106.98
Lead/ICP	<0.02	mg/L	0.02	<0.02	11/05/01	6010 & 200.7	---	3	100.3	109.5	106.22
Magnesium/ICP*filtered	27.2	mg/L	5	<5	11/02/01	6010 & 200.7	---	0.89	101.08	100.6	104.05

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.

Client: Environmental Tech Group
Attn: Jason Henry

Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 32

Report#/Lab ID#: 121171
Sample Matrix: water

REPORT OF ANALYSIS-cont.

QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Manganese/ICP	0.157	mg/L	0.01	<0.01	11/05/01	6010 & 200.7	---	2.86	101.27	108	105.7
Mercury/CVAA	<0.0002	mg/L	0.0002	<0.0002	10/30/01	245.1&7470	---	1.8	103.03	100	100
Molybdenum/ICP	<0.02	mg/L	0.02	<0.02	11/05/01	6010 & 200.7	---	2.41	87.95	105.25	89.91
Nickel/ICP	<0.02	mg/L	0.02	<0.02	11/05/01	6010 & 200.7	---	3.01	100.08	108.38	106.39
Potassium/AA*filtered	2.8	mg/L	0.25	<0.25	11/01/01	258.1&7610	---	2.32	128.78	99.04	111.66
Selenium/ICP	<0.05	mg/L	0.05	<0.05	11/05/01	6010 & 200.7	---	3.21	83.33	103.13	85.9
Silver/GFAA	<0.002	mg/L	0.002	<0.002	10/25/01	272.2&7761	---	0	91.74	90	81
Sodium/ICP*filtered	90.5	mg/L	1	<1	11/02/01	6010 & 200.7	---	2.19	98.99	95.8	100.09
Strontium/ICP	1.84	mg/L	0.05	<0.05	11/05/01	6010 & 200.7	---	2.25	101.63	102.05	107.57
Tin/ICP	<0.05	mg/L	0.05	<0.05	11/05/01	6010 & 200.7	---	0.97	82.9	105	100.41
Vanadium/ICP	<0.02	mg/L	0.02	<0.02	11/05/01	6010 & 200.7	---	2.16	105.48	107.9	108.2
Zinc/ICP	0.123	mg/L	0.01	<0.01	11/05/01	6010 & 200.7	---	3.02	101.24	102.63	105.26
Alkalinity, bicarbonate	390	mg/L	10	<10	10/29/01	SM2320	---	0	-NA-	-NA-	-NA-
Alkalinity, carbonate	<10	mg/L	10	<10	10/29/01	SM2320	---	0	-NA-	-NA-	-NA-
Chloride	137	mg/L	2.5	<2.5	10/25/01	325.2&9251	---	2.4	102.72	107.7	97.1
Sulfate	19.9	mg/L	1	<1	10/26/01	375.4&9038	---	0.32	89.01	89.66	101.92
Extractable organics-PAH	---	---	---	---	10/30/01	8270c	---	-NA-	-NA-	-NA-	-NA-
Volatile organics-8260b/BTEX	---	---	---	---	11/01/01	8260b	---	---	---	---	---
Benzene	13.1	µg/L	1	<1	11/01/01	8260b	---	3.2	89.6	112.4	96.5
Ethylbenzene	17.4	µg/L	1	<1	11/01/01	8260b	---	0.7	94	98.5	102.2
m,p-Xylenes	42.3	µg/L	1	<1	11/01/01	8260b	---	1	83.3	87.2	88.6
o-Xylene	8.77	µg/L	1	<1	11/01/01	8260b	---	1.2	94.3	97.6	101.2
Toluene	<1	µg/L	1	<1	11/01/01	8260b	---	5.6	95.6	119	98.1
Acenaphthene	6.8	µg/L	0.5	<0.5	10/30/01	8270c	---	2.5	43.7	84.7	58.2
Acenaphthylene	14.5	µg/L	0.5	<0.5	10/30/01	8270c	---	11.7	47	82.2	52
Anthracene	20.9	µg/L	0.5	<0.5	10/30/01	8270c	---	20.9	43.6	81.6	61.6
Benzo[a]anthracene	16.4	µg/L	0.5	<0.5	10/30/01	8270c	---	22.3	49	97.1	69.4
Benzo[a]pyrene	<0.5	µg/L	0.5	<0.5	10/30/01	8270c	---	15.3	51.3	92.3	73.3
Benzo[b]fluoranthene	1.67	µg/L	0.5	<0.5	10/30/01	8270c	---	17.4	51.7	94.8	75.3
Benzo[g,h,i]perylene	<0.5	µg/L	0.5	<0.5	10/30/01	8270c	---	14.4	51.5	88	65.9
Benzo[j,k]fluoranthene	0.965	µg/L	0.5	<0.5	10/30/01	8270c	---	12.1	53.3	102.3	78
Chrysene	2.05	µg/L	0.5	<0.5	10/30/01	8270c	---	18.2	47.8	93.5	67.1

Client: Environmental Tech Group
Attn: Jason Henry

Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 32

Report#/Lab ID#: 121171
Sample Matrix: water

REPORT OF ANALYSIS-cont.

QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Dibenz[a,h]anthracene	<0.5	µg/L	0.5	<0.5	10/30/01	8270c	---	14.1	52	89	69.8
Fluoranthene	2.71	µg/L	0.5	<0.5	10/30/01	8270c	---	28.3	56.4	113.6	87.4
Fluorene	36.4	µg/L	0.5	<0.5	10/30/01	8270c	---	3.2	46	88	61
Indeno[1,2,3-cd]pyrene	<0.5	µg/L	0.5	<0.5	10/30/01	8270c	---	13.6	51	87.4	68.1
Naphthalene	58.8	µg/L	0.5	<0.5	10/30/01	8270c	---	12.5	48.2	85.9	62.9
Phenanthrene	77.8	µg/L	0.5	<0.5	10/30/01	8270c	---	13.3	46	84.5	97.1
Pyrene	2.67	µg/L	0.5	<0.5	10/30/01	8270c	---	27.9	38.2	82.8	53.3

Client: Environmental Tech Group
Attn: Jason Henry

Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 32

Report#/Lab ID#: 121171
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	138	50-150	---
Nitrobenzene-d5	8015 mod.	none/diluted	diluted @ 10X	D
p-Terphenyl	8015 mod.	125	50-150	---
1,2-Dichloroethane-d4	8260b	100	80-120	---
Toluene-d8	8260b	94.7	88-110	---
2-Fluorobiphenyl	8270c	none/diluted	diluted @ 10X	D
Terphenyl-d14	8270c	none/diluted	diluted @ 10X	D

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

Exceptions Report:

Report #/Lab ID#: 121171	Matrix: water	Attn: Jason Henry
Client: Environmental Tech Group		
Project ID: Jimmy Cooper EOT 2074C		
Sample Name: MW 32		

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
Cadmium/ICP	J	See J-flag discussion above.
Chromium/ICP	J	See J-flag discussion above.
2-Fluorobiphenyl	D	Sample diluted to assure quantitation within calibration range or due to Matrix interferences or other matrix effects (eg. high non-target organic levels). Surrogate recoveries not accurately quantifiable.
2-Fluorobiphenyl	D	Sample diluted to assure quantitation within calibration range or due to Matrix interferences or other matrix effects (eg. high non-target organic levels). Surrogate recoveries not accurately quantifiable.
Nitrobenzene-d5	D	Sample diluted to assure quantitation within calibration range or due to Matrix interferences or other matrix effects (eg. high non-target organic levels). Surrogate recoveries not accurately quantifiable.
Nitrobenzene-d5	D	Sample diluted to assure quantitation within calibration range or due to Matrix interferences or other matrix effects (eg. high non-target organic levels). Surrogate recoveries not accurately quantifiable.
Terphenyl-d14	D	Sample diluted to assure quantitation within calibration range or due to Matrix interferences or other matrix effects (eg. high non-target organic levels). Surrogate recoveries not accurately quantifiable.
Terphenyl-d14	D	Sample diluted to assure quantitation within calibration range or due to Matrix interferences or other matrix effects (eg. high non-target organic levels). Surrogate recoveries not accurately quantifiable.

Notes:

Client: Environmental Tech Group
Attn: Jason Henry
Address: 4600 West Wall
Midland

Tx 79703

Phone: 915 522-1139 **FAX:** 915 520-4310

Report#/Lab ID#: 121172 **Report Date:** 11/12/01
Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 34
Sample Matrix: water
Date Received: 10/23/2001 **Time:** 14:04
Date Sampled: 10/18/2001 **Time:** 13:35

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	---	---	---	---	10/23/01	3520	---	---	---	---	---
Metals Dig.-Hg	---	---	---	---	10/29/01	7470&245.1	---	---	---	---	---
Metals Dig.-HNO ₃	---	---	---	---	10/23/01	3015	---	---	---	---	---
Metals Dig.-HNO ₃ *filtered	---	---	---	---	10/24/01	3005A	---	---	---	---	---
Total dissolved solids	993	mg/L	1	<1	10/25/01	160.1	---	4.45	-NA-	-NA-	-NA-
TPH by GC (as diesel)	<0.5	mg/L	0.5	<0.5	11/06/01	8015 mod.	J	19.4	77.5	107.1	110.6
TPH by GC (as diesel-ext)	---	---	---	---	10/23/01	3540	---	---	---	---	---
TPH by GC (as gasoline)	<0.5	mg/L	0.5	<0.5	10/23/01	8015 mod.	J	11.2	73.7	102.3	97.8
Aluminum/ICP	21.2	mg/L	0.2	<0.2	11/05/01	6010 & 200.7	---	7.89	106.17	98.81	109.46
Arsenic/ICP	<0.05	mg/L	0.05	<0.05	11/05/01	6010 & 200.7	---	2.57	100.2	104.55	100.99
Barium/ICP	0.487	mg/L	0.01	<0.01	11/05/01	6010 & 200.7	---	2.89	102.94	100.5	106.04
Beryllium/ICP	<0.004	mg/L	0.004	<0.004	11/05/01	6010 & 200.7	---	1.83	104.4	103.75	106.63
Boron/ICP	0.211	mg/L	0.02	<0.02	11/05/01	6010 & 200.7	---	4.74	99.8	104.5	102.82
Cadmium/ICP	<0.005	mg/L	0.005	<0.005	11/05/01	6010 & 200.7	---	2.77	98.12	102.5	101.49
Calcium/ICP*filtered	132	mg/L	10	<10	11/02/01	6010 & 200.7	---	2.3	102.62	102.1	101.58
Chromium/ICP	0.0236	mg/L	0.01	<0.01	11/05/01	6010 & 200.7	---	2.41	100.77	106.5	105.08
Cobalt/ICP	<0.02	mg/L	0.02	<0.02	11/05/01	6010 & 200.7	J	2.67	98.54	103.25	104.3
Copper/ICP	<0.02	mg/L	0.02	<0.02	11/05/01	6010 & 200.7	J	2.75	99.56	98.95	103.06
Iron/ICP	12.3	mg/L	0.05	<0.05	11/05/01	6010 & 200.7	---	4.26	104.32	107.85	106.98
Lead/ICP	<0.02	mg/L	0.02	<0.02	11/05/01	6010 & 200.7	J	3	100.3	109.5	106.22
Magnesium/ICP*filtered	27.7	mg/L	5	<5	11/02/01	6010 & 200.7	---	0.89	101.08	100.6	104.05

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.

Client: Environmental Tech Group
Attn: Jason Henry

Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 34

Report#/Lab ID#: 121172
Sample Matrix: water

REPORT OF ANALYSIS-cont.

QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Manganese/ICP	0.629	mg/L	0.01	<0.01	11/05/01	6010 & 200.7	---	2.86	101.27	108	105.7
Mercury/CVAA	<0.0002	mg/L	0.0002	<0.0002	10/30/01	245.1&7470	---	1.8	103.03	100	100
Molybdenum/ICP	<0.02	mg/L	0.02	<0.02	11/05/01	6010 & 200.7	---	2.41	87.95	105.25	89.91
Nickel/ICP	<0.02	mg/L	0.02	<0.02	11/05/01	6010 & 200.7	J	3.01	100.08	108.38	106.39
Potassium/AA*filtered	4.68	mg/L	0.25	<0.25	11/01/01	258.1&7610	---	2.32	128.78	99.04	111.66
Selenium/ICP	<0.05	mg/L	0.05	<0.05	11/05/01	6010 & 200.7	---	3.21	83.33	103.13	85.9
Silver/GFAA	<0.002	mg/L	0.002	<0.002	10/25/01	272.2&7761	---	0	91.74	90	81
Sodium/ICP*filtered	243	mg/L	50	<50	11/02/01	6010 & 200.7	---	2.19	98.99	95.8	100.09
Strontium/ICP	1.85	mg/L	0.05	<0.05	11/05/01	6010 & 200.7	---	2.25	101.63	102.05	107.57
Tin/ICP	<0.05	mg/L	0.05	<0.05	11/05/01	6010 & 200.7	---	0.97	82.9	105	100.41
Vanadium/ICP	0.0531	mg/L	0.02	<0.02	11/05/01	6010 & 200.7	---	2.16	105.48	107.9	108.2
Zinc/ICP	0.0547	mg/L	0.01	<0.01	11/05/01	6010 & 200.7	---	3.02	101.24	102.63	105.26
Alkalinity, bicarbonate	420	mg/L	10	<10	10/29/01	SM2320	---	0	-NA-	-NA-	-NA-
Alkalinity, carbonate	<10	mg/L	10	<10	10/29/01	SM2320	---	0	-NA-	-NA-	-NA-
Chloride	303	mg/L	2.5	<2.5	10/25/01	325.2&9251	---	2.4	102.72	107.7	97.1
Sulfate	12.8	mg/L	1	<1	10/26/01	375.4&9038	---	0.32	89.01	89.66	101.92
Extractable organics-PAH	---	---	---	---	10/30/01	8270c	---	-NA-	-NA-	-NA-	-NA-
Volatile organics-8260b/BTEX	---	---	---	---	10/31/01	8260b	---	---	---	---	---
Benzene	58.4	µg/L	1	<1	10/31/01	8260b	---	4.1	100.5	89.1	95.8
Ethylbenzene	2.64	µg/L	1	<1	10/31/01	8260b	---	2.6	93.3	93	89.2
m,p-Xylenes	4.75	µg/L	1	<1	10/31/01	8260b	---	4.3	86.1	82.6	82.7
o-Xylene	1.74	µg/L	1	<1	10/31/01	8260b	---	18.9	119.2	94.2	99.6
Toluene	<1	µg/L	1	<1	10/31/01	8260b	---	0.6	101.7	90.6	93.6
Acenaphthene	0.764	µg/L	0.05	<0.05	10/30/01	8270c	---	2.5	43.7	84.7	58.2
Acenaphthylene	0.76	µg/L	0.05	<0.05	10/30/01	8270c	---	11.7	47	82.2	52
Anthracene	0.628	µg/L	0.05	<0.05	10/30/01	8270c	---	20.9	43.6	81.6	61.6
Benzo[a]anthracene	0.132	µg/L	0.05	<0.05	10/30/01	8270c	---	22.3	49	97.1	69.4
Benzo[a]pyrene	0.114	µg/L	0.05	<0.05	10/30/01	8270c	---	15.3	51.3	92.3	73.3
Benzo[b]fluoranthene	0.099	µg/L	0.05	<0.05	10/30/01	8270c	---	17.4	51.7	94.8	75.3
Benzo[g,h,i]perylene	<0.05	µg/L	0.05	<0.05	10/30/01	8270c	---	14.4	51.5	88	65.9
Benzo[k]fluoranthene	0.077	µg/L	0.05	<0.05	10/30/01	8270c	---	12.1	53.3	102.3	78
Chrysene	0.788	µg/L	0.05	<0.05	10/30/01	8270c	---	18.2	47.8	93.5	67.1

Client: Environmental Tech Group
Attn: Jason Henry

Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 34

Report#/Lab ID#: 121172
Sample Matrix: water

REPORT OF ANALYSIS-cont.

QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Dibenz[a,h]anthracene	<0.05	µg/L	0.05	<0.05	10/30/01	8270c	---	14.1	52	89	69.8
Fluoranthene	0.384	µg/L	0.05	<0.05	10/30/01	8270c	---	28.3	56.4	113.6	87.4
Fluorene	3.05	µg/L	0.05	<0.05	10/30/01	8270c	---	3.2	46	88	61
Indeno[1,2,3-cd]pyrene	<0.05	µg/L	0.05	<0.05	10/30/01	8270c	---	13.6	51	87.4	68.1
Naphthalene	5.96	µg/L	0.05	<0.05	10/30/01	8270c	---	12.5	48.2	85.9	62.9
Phenanthrene	4.03	µg/L	0.05	<0.05	10/30/01	8270c	---	13.3	46	84.5	97.1
Pyrene	0.102	µg/L	0.05	<0.05	10/30/01	8270c	---	27.9	38.2	82.8	53.3



4221 Freidrich Lane, Suite 190, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 7840408
(512) 444-5896 • FAX (512) 447-4766

Client: Environmental Tech Group
Attn: Jason Henry

Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 34

Report#/Lab ID#: 121172
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	125	50-150	---
Nitrobenzene-d5	8015 mod.	88.6	35-114	---
p-Terphenyl	8015 mod.	124	50-150	---
1,2-Dichloroethane-d4	8260b	112	80-120	---
Toluene-d8	8260b	95.2	88-110	---
2-Fluorobiphenyl	8270c	53.6	43-116	---
Terphenyl-d14	8270c	50.9	33-141	---

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

Exceptions Report:

Report #/Lab ID#: 121172 Matrix: water
Client: Environmental Tech Group Attn: Jason Henry
Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 34

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
TPH by GC (as diesel)	J	See J-flag discussion above.
TPH by GC (as gasoline)	J	See J-flag discussion above.
Cobalt/ICP	J	See J-flag discussion above.
Copper/ICP	J	See J-flag discussion above.
Lead/ICP	J	See J-flag discussion above.
Nickel/ICP	J	See J-flag discussion above.

Notes:

Client: Environmental Tech Group
Attn: Jason Henry
Address: 4600 West Wall
Midland Tx 79703
Phone: 915 522-1139 **FAX:** 915 520-4310

Report#/Lab ID#: 121173 **Report Date:** 11/12/01
Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 35
Sample Matrix: water
Date Received: 10/23/2001 **Time:** 14:04
Date Sampled: 10/18/2001 **Time:** 11:50

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA 1

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
A/BN extraction-PAH	---	---	---	---	10/23/01	3520	---	---	---	---	---
Metals Dig.-Hg	---	---	---	---	10/29/01	7470&245.1	---	---	---	---	---
Metals Dig.-HNO ₃	---	---	---	---	10/23/01	3015	---	---	---	---	---
Metals Dig.-HNO ₃ *filtered	---	---	---	---	10/24/01	3005A	---	---	---	---	---
Total dissolved solids	964	mg/L	1	<1	10/25/01	160.1	---	4.45	-NA-	-NA-	-NA-
TPH by GC (as diesel)	<0.5	mg/L	0.5	<0.5	10/31/01	8015 mod.	---	2.9	100.7	106.4	84.6
TPH by GC (as diesel-ext)	---	---	---	---	10/23/01	3540	---	---	---	---	---
TPH by GC (as gasoline)	<0.5	mg/L	0.5	<0.5	10/31/01	8015 mod.	J	9.2	93.8	94.4	72.2
Aluminum/ICP	18.9	mg/L	0.2	<0.2	11/05/01	6010 & 200.7	---	7.89	106.17	98.81	109.46
Arsenic/ICP	<0.05	mg/L	0.05	<0.05	11/05/01	6010 & 200.7	---	2.57	100.2	104.55	100.99
Barium/ICP	0.443	mg/L	0.01	<0.01	11/05/01	6010 & 200.7	---	2.89	102.94	100.5	106.04
Beryllium/ICP	<0.004	mg/L	0.004	<0.004	11/05/01	6010 & 200.7	---	1.83	104.4	103.75	106.63
Boron/ICP	0.28	mg/L	0.02	<0.02	11/05/01	6010 & 200.7	---	4.74	99.8	104.5	102.82
Cadmium/ICP	<0.005	mg/L	0.005	<0.005	11/05/01	6010 & 200.7	---	2.77	98.12	102.5	101.49
Calcium/ICP*filtered	142	mg/L	10	<10	11/02/01	6010 & 200.7	---	1.67	94.95	99.75	96.71
Chromium/ICP	0.0158	mg/L	0.01	<0.01	11/05/01	6010 & 200.7	---	2.41	100.77	106.5	105.08
Cobalt/ICP	<0.02	mg/L	0.02	<0.02	11/05/01	6010 & 200.7	J	2.67	98.54	103.25	104.3
Copper/ICP	<0.02	mg/L	0.02	<0.02	11/05/01	6010 & 200.7	J	2.75	99.56	98.95	103.06
Iron/ICP	12.1	mg/L	0.05	<0.05	11/05/01	6010 & 200.7	---	4.26	104.32	107.85	106.98
Lead/ICP	<0.02	mg/L	0.02	<0.02	11/05/01	6010 & 200.7	J	3	100.3	109.5	106.22
Magnesium/ICP*filtered	24.8	mg/L	5	<5	11/02/01	6010 & 200.7	S,M	9.1	97.02	106.45	96.94

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.

Client: Environmental Tech Group
Attn: Jason Henry

Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 35

Report#/Lab ID#: 121173
Sample Matrix: water

REPORT OF ANALYSIS-cont.

QUALITY ASSURANCE DATA 1

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Manganese/ICP	0.245	mg/L	0.01	<0.01	11/05/01	6010 & 200.7	---	2.86	101.27	108	105.7
Mercury/CVAA	<0.0002	mg/L	0.0002	<0.0002	10/30/01	245.1&7470	---	1.8	103.03	100	100
Molybdenum/ICP	<0.02	mg/L	0.02	<0.02	11/05/01	6010 & 200.7	---	2.41	87.95	105.25	89.91
Nickel/ICP	<0.02	mg/L	0.02	<0.02	11/05/01	6010 & 200.7	J	3.01	100.08	108.38	106.39
Potassium/AA*filtered	5.91	mg/L	0.5	<0.5	11/01/01	258.1&7610	---	2.32	128.78	99.04	111.66
Selenium/ICP	<0.05	mg/L	0.05	<0.05	11/05/01	6010 & 200.7	---	3.21	83.33	103.13	85.9
Silver/GFAA	<0.002	mg/L	0.002	<0.002	10/25/01	272.2&7761	---	0	91.74	90	81
Sodium/ICP*filtered	123	mg/L	50	<50	11/02/01	6010 & 200.7	---	3.94	94.77	93.8	97.61
Strontium/ICP	1.88	mg/L	0.05	<0.05	11/05/01	6010 & 200.7	---	2.25	101.63	102.05	107.57
Tin/ICP	<0.05	mg/L	0.05	<0.05	11/05/01	6010 & 200.7	---	0.97	82.9	105	100.41
Vanadium/ICP	0.0742	mg/L	0.02	<0.02	11/05/01	6010 & 200.7	---	2.16	105.48	107.9	108.2
Zinc/ICP	0.0421	mg/L	0.01	<0.01	11/05/01	6010 & 200.7	---	3.02	101.24	102.63	105.26
Alkalinity, bicarbonate	350	mg/L	10	<10	10/29/01	SM2320	---	0	-NA-	-NA-	-NA-
Alkalinity, carbonate	<10	mg/L	10	<10	10/29/01	SM2320	---	0	-NA-	-NA-	-NA-
Chloride	167	mg/L	2.5	<2.5	10/25/01	325.2&9251	---	2.4	102.72	107.7	97.1
Sulfate	152	mg/L	5	<5	10/26/01	375.4&9038	---	0.32	89.01	89.66	101.92
Extractable organics-PAH	---	---	---	---	10/29/01	8270c	---	-NA-	-NA-	-NA-	-NA-
Volatile organics-8260b/BTEX	---	---	---	---	10/30/01	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	10/30/01	8260b	---	0.2	86.8	94	85.1
Ethylbenzene	<1	µg/L	1	<1	10/30/01	8260b	---	4.9	101.6	103	97.2
m,p-Xylenes	<1	µg/L	1	<1	10/30/01	8260b	---	4.7	96.2	97.2	91.9
o-Xylene	<1	µg/L	1	<1	10/30/01	8260b	---	4.4	103.6	103.6	99
Toluene	<1	µg/L	1	<1	10/30/01	8260b	---	0.1	92	96.8	89.7
Acenaphthene	<0.05	µg/L	0.05	<0.05	10/29/01	8270c	---	2.5	43.7	84.7	58.2
Acenaphthylene	<0.05	µg/L	0.05	<0.05	10/29/01	8270c	---	11.7	47	82.2	52
Anthracene	<0.05	µg/L	0.05	<0.05	10/29/01	8270c	---	20.9	43.6	81.6	61.6
Benzo[a]anthracene	<0.05	µg/L	0.05	<0.05	10/29/01	8270c	---	22.3	49	97.1	69.4
Benzo[a]pyrene	<0.05	µg/L	0.05	<0.05	10/29/01	8270c	---	15.3	51.3	92.3	73.3
Benzo[b]fluoranthene	<0.05	µg/L	0.05	<0.05	10/29/01	8270c	---	17.4	51.7	94.8	75.3
Benzo[g,h,i]perylene	<0.05	µg/L	0.05	<0.05	10/29/01	8270c	---	14.4	51.5	88	65.9
Benzo[k]fluoranthene	<0.05	µg/L	0.05	<0.05	10/29/01	8270c	---	12.1	53.3	102.3	78
Chrysene	<0.05	µg/L	0.05	<0.05	10/29/01	8270c	---	18.2	47.8	93.5	67.1

Client: Environmental Tech Group
Attn: Jason Henry

Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 35

Report#/Lab ID#: 121173
Sample Matrix: water

REPORT OF ANALYSIS-cont.

QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Dibenz[a,h]anthracene	<0.05	µg/L	0.05	<0.05	10/29/01	8270c	---	14.1	52	89	69.8
Fluoranthene	<0.05	µg/L	0.05	<0.05	10/29/01	8270c	---	28.3	56.4	113.6	87.4
Fluorene	<0.05	µg/L	0.05	<0.05	10/29/01	8270c	---	3.2	46	88	61
Indeno[1,2,3-cd]pyrene	<0.05	µg/L	0.05	<0.05	10/29/01	8270c	---	13.6	51	87.4	68.1
Naphthalene	<0.05	µg/L	0.05	<0.05	10/29/01	8270c	---	12.5	48.2	85.9	62.9
Phenanthrene	<0.05	µg/L	0.05	<0.05	10/29/01	8270c	---	13.3	46	84.5	97.1
Pyrene	<0.05	µg/L	0.05	<0.05	10/29/01	8270c	---	27.9	38.2	82.8	53.3

Client: Environmental Tech Group
Attn: Jason Henry

Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 35

Report#/Lab ID#: 121173
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	101	50-150	---
Nitrobenzene-d5	8015 mod.	100	35-114	---
p-Terphenyl	8015 mod.	104	50-150	---
1,2-Dichloroethane-d4	8260b	97.8	80-120	---
Toluene-d8	8260b	109	88-110	---
2-Fluorobiphenyl	8270c	58.1	43-116	---
Terphenyl-d14	8270c	88.3	33-141	---

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

Exceptions Report:

Report #/Lab ID#: 121173	Matrix: water	Attn: Jason Henry
Client: Environmental Tech Group		
Project ID: Jimmy Cooper EOT 2074C		
Sample Name: MW 35		

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
TPH by GC (as gasoline)	J	See J-flag discussion above.
Cobalt/ICP	J	See J-flag discussion above.
Copper/ICP	J	See J-flag discussion above.
Lead/ICP	J	See J-flag discussion above.
Magnesium/ICP*filtered	S,M	MS and/or MSD recoveries outside advisory/acceptance limits. LCS recovery in-limits; indicative of matrix interference as evidenced by M-flag.
Nickel/ICP	J	See J-flag discussion above.

Notes:

Client: Environmental Tech Group
Attn: Jason Henry
Address: 4600 West Wall
Midland
Tx 79703
Phone: 915 522-1139 **FAX:** 915 520-4310

Report# / Lab ID#: 121174 **Report Date:** 11/12/01
Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 36
Sample Matrix: water
Date Received: 10/23/2001 **Time:** 14:04
Date Sampled: 10/18/2001 **Time:** 14:00

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA 1

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
A/BN extraction-PAH	---	---	---	---	10/23/01	3520	---	---	---	---	---
Metals Dig.-Hg	---	---	---	---	10/29/01	7470&245.1	---	---	---	---	---
Metals Dig.-HNO ₃	---	---	---	---	10/23/01	3015	---	---	---	---	---
Metals Dig.-HNO ₃ *filtered	---	---	---	---	10/24/01	3005A	---	---	---	---	---
Total dissolved solids	997	mg/L	1	<1	10/25/01	160.1	---	4.45	-NA-	-NA-	-NA-
TPH by GC (as diesel)	<0.5	mg/L	0.5	<0.5	10/31/01	8015 mod.	---	2.9	100.7	106.4	84.6
TPH by GC (as diesel-ext)	---	---	---	---	10/23/01	3540	---	---	---	---	---
TPH by GC (as gasoline)	<0.5	mg/L	0.5	<0.5	10/31/01	8015 mod.	---	9.2	93.8	94.4	72.2
Aluminum/ICP	21.7	mg/L	0.2	<0.2	11/05/01	6010 & 200.7	---	7.89	106.17	98.81	109.46
Arsenic/ICP	<0.05	mg/L	0.05	<0.05	11/05/01	6010 & 200.7	---	2.57	100.2	104.55	100.99
Barium/ICP	1.69	mg/L	0.01	<0.01	11/05/01	6010 & 200.7	---	2.89	102.94	100.5	106.04
Beryllium/ICP	<0.004	mg/L	0.004	<0.004	11/05/01	6010 & 200.7	---	1.83	104.4	103.75	106.63
Boron/ICP	0.209	mg/L	0.02	<0.02	11/05/01	6010 & 200.7	---	4.74	99.8	104.5	102.82
Cadmium/ICP	0.0078	mg/L	0.005	<0.005	11/05/01	6010 & 200.7	---	2.77	98.12	102.5	101.49
Calcium/ICP*filtered	124	mg/L	10	<10	11/02/01	6010 & 200.7	---	1.67	94.95	99.75	96.71
Chromium/ICP	0.0318	mg/L	0.01	<0.01	11/05/01	6010 & 200.7	---	2.41	100.77	106.5	105.08
Cobalt/ICP	<0.02	mg/L	0.02	<0.02	11/05/01	6010 & 200.7	J	2.67	98.54	103.25	104.3
Copper/ICP	<0.02	mg/L	0.02	<0.02	11/05/01	6010 & 200.7	---	2.75	99.56	98.95	103.06
Iron/ICP	12.6	mg/L	0.05	<0.05	11/05/01	6010 & 200.7	---	4.26	104.32	107.85	106.98
Lead/ICP	<0.02	mg/L	0.02	<0.02	11/05/01	6010 & 200.7	J	3	100.3	109.5	106.22
Magnesium/ICP*filtered	24.7	mg/L	5	<5	11/02/01	6010 & 200.7	S,M	9.1	97.02	106.45	96.94

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 Lastor

Richard Lastor

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.

Client: Environmental Tech Group
Attn: Jason Henry

Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 36

Report#/Lab ID#: 121174
Sample Matrix: water

REPORT OF ANALYSIS-cont.

QUALITY ASSURANCE DATA 1

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Manganese/ICP	0.624	mg/L	0.01	<0.01	11/05/01	6010 & 200.7	---	2.86	101.27	108	105.7
Mercury/CVAA	<0.0002	mg/L	0.0002	<0.0002	10/30/01	245.1&7470	---	1.8	103.03	100	100
Molybdenum/ICP	<0.02	mg/L	0.02	<0.02	11/05/01	6010 & 200.7	---	2.41	87.95	105.25	89.91
Nickel/ICP	<0.02	mg/L	0.02	<0.02	11/05/01	6010 & 200.7	J	3.01	100.08	108.38	106.39
Potassium/AA *filtered	4.6	mg/L	0.25	<0.25	11/01/01	258.1&7610	---	2.32	128.78	99.04	111.66
Selenium/ICP	<0.05	mg/L	0.05	<0.05	11/05/01	6010 & 200.7	---	3.21	83.33	103.13	85.9
Silver/GFAA	<0.002	mg/L	0.002	<0.002	10/25/01	272.2&7761	---	0	91.74	90	81
Sodium/ICP*filtered	178	mg/L	50	<50	11/02/01	6010 & 200.7	---	3.94	94.77	93.8	97.61
Strontium/ICP	1.91	mg/L	0.05	<0.05	11/05/01	6010 & 200.7	---	2.25	101.63	102.05	107.57
Tin/ICP	<0.05	mg/L	0.05	<0.05	11/05/01	6010 & 200.7	---	0.97	82.9	105	100.41
Vanadium/ICP	0.049	mg/L	0.02	<0.02	11/05/01	6010 & 200.7	---	2.16	105.48	107.9	108.2
Zinc/ICP	0.0302	mg/L	0.01	<0.01	11/05/01	6010 & 200.7	---	3.02	101.24	102.63	105.26
Alkalinity, bicarbonate	420	mg/L	10	<10	10/29/01	SM2320	---	0	-NA-	-NA-	-NA-
Alkalinity, carbonate	<10	mg/L	10	<10	10/29/01	SM2320	---	0	-NA-	-NA-	-NA-
Chloride	291	mg/L	2.5	<2.5	10/25/01	325.2&9251	---	2.4	102.72	107.7	97.1
Sulfate	17.7	mg/L	1	<1	10/26/01	375.4&9038	---	0.32	89.01	89.66	101.92
Extractable organics-PAH	---	---	---	---	10/30/01	8270c	---	-NA-	-NA-	-NA-	-NA-
Volatile organics-8260b/BTEX	---	---	---	---	10/31/01	8260b	---	---	---	---	---
Benzene	44.2	µg/L	1	<1	10/31/01	8260b	---	4.1	100.5	89.1	95.8
Ethylbenzene	8.16	µg/L	1	<1	10/31/01	8260b	---	2.6	93.3	93	89.2
m,p-Xylenes	21.2	µg/L	1	<1	10/31/01	8260b	---	4.3	86.1	82.6	82.7
o-Xylene	<1	µg/L	1	<1	10/31/01	8260b	J	18.9	119.2	94.2	99.6
Toluene	<1	µg/L	1	<1	10/31/01	8260b	---	0.6	101.7	90.6	93.6
Acenaphthene	0.278	µg/L	0.05	<0.05	10/30/01	8270c	---	2.5	43.7	84.7	58.2
Acenaphthylene	0.137	µg/L	0.05	<0.05	10/30/01	8270c	---	11.7	47	82.2	52
Anthracene	0.186	µg/L	0.05	<0.05	10/30/01	8270c	---	20.9	43.6	81.6	61.6
Benzo[a]anthracene	<0.05	µg/L	0.05	<0.05	10/30/01	8270c	J	22.3	49	97.1	69.4
Benzo[a]pyrene	<0.05	µg/L	0.05	<0.05	10/30/01	8270c	---	15.3	51.3	92.3	73.3
Benzo[b]fluoranthene	<0.05	µg/L	0.05	<0.05	10/30/01	8270c	J	17.4	51.7	94.8	75.3
Benzo[g,h,i]perylene	<0.05	µg/L	0.05	<0.05	10/30/01	8270c	---	14.4	51.5	88	65.9
Benzo[k]fluoranthene	<0.05	µg/L	0.05	<0.05	10/30/01	8270c	J	12.1	53.3	102.3	78
Chrysene	0.195	µg/L	0.05	<0.05	10/30/01	8270c	---	18.2	47.8	93.5	67.1

Client: Environmental Tech Group
Attn: Jason Henry

Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 36

Report#/Lab ID#: 121174
Sample Matrix: water

REPORT OF ANALYSIS-cont.

QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Dibenz[a,h]anthracene	<0.05	µg/L	0.05	<0.05	10/30/01	8270c	---	14.1	52	89	69.8
Fluoranthene	0.149	µg/L	0.05	<0.05	10/30/01	8270c	---	28.3	56.4	113.6	87.4
Fluorene	1.23	µg/L	0.05	<0.05	10/30/01	8270c	---	3.2	46	88	61
Indeno[1,2,3-cd]pyrene	<0.05	µg/L	0.05	<0.05	10/30/01	8270c	---	13.6	51	87.4	68.1
Naphthalene	1.86	µg/L	0.05	<0.05	10/30/01	8270c	---	12.5	48.2	85.9	62.9
Phenanthrene	0.845	µg/L	0.05	<0.05	10/30/01	8270c	---	13.3	46	84.5	97.1
Pyrene	0.069	µg/L	0.05	<0.05	10/30/01	8270c	---	27.9	38.2	82.8	53.3

Client: Environmental Tech Group
Attn: Jason Henry

Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 36

Report#/Lab ID#: 121174
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	90	50-150	---
Nitrobenzene-d5	8015 mod.	69.9	35-114	---
p-Terphenyl	8015 mod.	102	50-150	---
1,2-Dichloroethane-d4	8260b	85.9	80-120	---
Toluene-d8	8260b	99.7	88-110	---
2-Fluorobiphenyl	8270c	53.3	43-116	---
Terphenyl-d14	8270c	60.1	33-141	---

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

Exceptions Report:

Report #/Lab ID#: 121174 Matrix: water
Client: Environmental Tech Group
Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 36

Attn: Jason Henry

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
Cobalt/ICP	J	See J-flag discussion above.
Lead/ICP	J	See J-flag discussion above.
Magnesium/ICP*filtered	S,M	MS and/or MSD recoveries outside advisory/acceptance limits. LCS recovery in-limits; indicative of matrix interference as evidenced by M-flag.
Nickel/ICP	J	See J-flag discussion above.
o-Xylene	J	See J-flag discussion above.
Benzo[a]anthracene	J	See J-flag discussion above.
Benzo[b]fluoranthene	J	See J-flag discussion above.
Benzo[j,k]fluoranthene	J	See J-flag discussion above.

Notes:

Client: Environmental Tech Group
Attn: Jason Henry
Address: 4600 West Wall
Midland
Tx 79703
Phone: 915 522-1139 **FAX:** 915 520-4310

Report#/Lab ID#: 121175 **Report Date:** 11/12/01
Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 37
Sample Matrix: water
Date Received: 10/23/2001 **Time:** 14:04
Date Sampled: 10/18/2001 **Time:** 13:00

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	---	---	---	---	10/23/01	3520	---	---	---	---	---
Metals Dig.-Hg	---	---	---	---	10/29/01	7470&245.1	---	---	---	---	---
Metals Dig.-HNO ₃	---	---	---	---	10/23/01	3015	---	---	---	---	---
Metals Dig.-HNO ₃ *filtered	---	---	---	---	10/24/01	3005A	---	---	---	---	---
Total dissolved solids	793	mg/L	1	<1	10/25/01	160.1	---	4.45	-NA-	-NA-	-NA-
TPH by GC (as diesel)	<0.5	mg/L	0.5	<0.5	10/31/01	8015 mod.	---	2.9	100.7	106.4	84.6
TPH by GC (as diesel-ext)	---	---	---	---	10/23/01	3540	---	---	---	---	---
TPH by GC (as gasoline)	<0.5	mg/L	0.5	<0.5	10/31/01	8015 mod.	---	9.2	93.8	94.4	72.2
Aluminum/ICP	5.84	mg/L	0.2	<0.2	11/05/01	6010 & 200.7	---	7.89	106.17	98.81	109.46
Arsenic/ICP	<0.05	mg/L	0.05	<0.05	11/05/01	6010 & 200.7	---	2.57	100.2	104.55	100.99
Barium/ICP	0.239	mg/L	0.01	<0.01	11/05/01	6010 & 200.7	---	2.89	102.94	100.5	106.04
Beryllium/ICP	<0.004	mg/L	0.004	<0.004	11/05/01	6010 & 200.7	---	1.83	104.4	103.75	106.63
Boron/ICP	0.228	mg/L	0.02	<0.02	11/05/01	6010 & 200.7	---	4.74	99.8	104.5	102.82
Cadmium/ICP	<0.005	mg/L	0.005	<0.005	11/05/01	6010 & 200.7	---	2.77	98.12	102.5	101.49
Calcium/ICP*filtered	124	mg/L	10	<10	11/02/01	6010 & 200.7	---	1.67	94.95	99.75	96.71
Chromium/ICP	0.0111	mg/L	0.01	<0.01	11/05/01	6010 & 200.7	---	2.41	100.77	106.5	105.08
Cobalt/ICP	<0.02	mg/L	0.02	<0.02	11/05/01	6010 & 200.7	---	2.67	98.54	103.25	104.3
Copper/ICP	<0.02	mg/L	0.02	<0.02	11/05/01	6010 & 200.7	J	2.75	99.56	98.95	103.06
Iron/ICP	11.3	mg/L	0.05	<0.05	11/05/01	6010 & 200.7	---	4.26	104.32	107.85	106.98
Lead/ICP	<0.02	mg/L	0.02	<0.02	11/05/01	6010 & 200.7	J	3	100.3	109.5	106.22
Magnesium/ICP*filtered	23.1	mg/L	5	<5	11/02/01	6010 & 200.7	S,M	9.1	97.02	106.45	96.94

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.

Client: Environmental Tech Group
Attn: Jason Henry

Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 37

Report#/Lab ID#: 121175
Sample Matrix: water

REPORT OF ANALYSIS-cont.

QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Manganese/ICP	0.122	mg/L	0.01	<0.01	11/05/01	6010 & 200.7	---	2.86	101.27	108	105.7
Mercury/CVAA	<0.0002	mg/L	0.0002	<0.0002	10/30/01	245.1&7470	---	1.8	103.03	100	100
Molybdenum/ICP	<0.02	mg/L	0.02	<0.02	11/05/01	6010 & 200.7	---	2.41	87.95	105.25	89.91
Nickel/ICP	<0.02	mg/L	0.02	<0.02	11/05/01	6010 & 200.7	J	3.01	100.08	108.38	106.39
Potassium/AA*filtered	5.4	mg/L	0.25	<0.25	11/01/01	258.1&7610	---	2.32	128.78	99.04	111.66
Selenium/ICP	<0.05	mg/L	0.05	<0.05	11/05/01	6010 & 200.7	---	3.21	83.33	103.13	85.9
Silver/GFAA	<0.002	mg/L	0.002	<0.002	10/25/01	272.2&7761	---	0	91.74	90	81
Sodium/ICP*filtered	110	mg/L	50	<50	11/02/01	6010 & 200.7	---	3.94	94.77	93.8	97.61
Strontium/ICP	1.47	mg/L	0.05	<0.05	11/05/01	6010 & 200.7	---	2.25	101.63	102.05	107.57
Tin/ICP	<0.05	mg/L	0.05	<0.05	11/05/01	6010 & 200.7	---	0.97	82.9	105	100.41
Vanadium/ICP	0.039	mg/L	0.02	<0.02	11/05/01	6010 & 200.7	---	2.16	105.48	107.9	108.2
Zinc/ICP	0.0906	mg/L	0.01	<0.01	11/05/01	6010 & 200.7	---	3.02	101.24	102.63	105.26
Alkalinity, bicarbonate	340	mg/L	10	<10	10/29/01	SM2320	---	0	-NA-	-NA-	-NA-
Alkalinity, carbonate	<10	mg/L	10	<10	10/29/01	SM2320	---	0	-NA-	-NA-	-NA-
Chloride	133	mg/L	2.5	<2.5	10/25/01	325.2&9251	---	2.4	102.72	107.7	97.1
Sulfate	124	mg/L	5	<5	10/26/01	375.4&9038	---	0.32	89.01	89.66	101.92
Extractable organics-PAH	---	---	---	---	10/29/01	8270c	---	-NA-	-NA-	-NA-	-NA-
Volatile organics-8260b/BTEX	---	---	---	---	10/30/01	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	10/30/01	8260b	---	0.2	86.8	94	85.1
Ethylbenzene	<1	µg/L	1	<1	10/30/01	8260b	---	4.9	101.6	103	97.2
m,p-Xylenes	<1	µg/L	1	<1	10/30/01	8260b	---	4.7	96.2	97.2	91.9
o-Xylene	<1	µg/L	1	<1	10/30/01	8260b	---	4.4	103.6	103.6	99
Toluene	<1	µg/L	1	<1	10/30/01	8260b	---	0.1	92	96.8	89.7
Acenaphthene	<0.05	µg/L	0.05	<0.05	10/29/01	8270c	---	2.5	43.7	84.7	58.2
Acenaphthylene	<0.05	µg/L	0.05	<0.05	10/29/01	8270c	---	11.7	47	82.2	52
Anthracene	<0.05	µg/L	0.05	<0.05	10/29/01	8270c	---	20.9	43.6	81.6	61.6
Benzo[a]anthracene	<0.05	µg/L	0.05	<0.05	10/29/01	8270c	---	22.3	49	97.1	69.4
Benzo[a]pyrene	<0.05	µg/L	0.05	<0.05	10/29/01	8270c	---	15.3	51.3	92.3	73.3
Benzo[b]fluoranthene	<0.05	µg/L	0.05	<0.05	10/29/01	8270c	---	17.4	51.7	94.8	75.3
Benzo[g,h,i]perylene	<0.05	µg/L	0.05	<0.05	10/29/01	8270c	---	14.4	51.5	88	65.9
Benzo[k]fluoranthene	<0.05	µg/L	0.05	<0.05	10/29/01	8270c	---	12.1	53.3	102.3	78
Chrysene	<0.05	µg/L	0.05	<0.05	10/29/01	8270c	---	18.2	47.8	93.5	67.1

Client: Environmental Tech Group
Attn: Jason Henry

Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 37

Report#/Lab ID#: 121175
Sample Matrix: water

REPORT OF ANALYSIS-cont.

QUALITY ASSURANCE DATA ¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Dibenz[a,h]anthracene	<0.05	µg/L	0.05	<0.05	10/29/01	8270c	---	14.1	52	89	69.8
Fluoranthene	<0.05	µg/L	0.05	<0.05	10/29/01	8270c	---	28.3	56.4	113.6	87.4
Fluorene	<0.05	µg/L	0.05	<0.05	10/29/01	8270c	---	3.2	46	88	61
Indeno[1,2,3-cd]pyrene	<0.05	µg/L	0.05	<0.05	10/29/01	8270c	---	13.6	51	87.4	68.1
Naphthalene	<0.05	µg/L	0.05	<0.05	10/29/01	8270c	J	12.5	48.2	85.9	62.9
Phenanthrene	<0.05	µg/L	0.05	<0.05	10/29/01	8270c	---	13.3	46	84.5	97.1
Pyrene	<0.05	µg/L	0.05	<0.05	10/29/01	8270c	---	27.9	38.2	82.8	53.3

Client: Environmental Tech Group
Attn: Jason Henry

Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 37

Report#/Lab ID#: 121175
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	95	50-150	---
Nitrobenzene-d5	8015 mod.	85.4	35-114	---
p-Terphenyl	8015 mod.	101	50-150	---
1,2-Dichloroethane-d4	8260b	106	80-120	---
Toluene-d8	8260b	107	88-110	---
2-Fluorobiphenyl	8270c	51.5	43-116	---
Terphenyl-d14	8270c	79.4	33-141	---

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

Exceptions Report:

Report #/Lab ID#: 121175 **Matrix:** water
Client: Environmental Tech Group
Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 37

Attn: Jason Henry

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 TNRRCC-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
Copper/ICP	J	See J-flag discussion above.
Lead/ICP	J	See J-flag discussion above.
Magnesium/ICP*filtered	S,M	MS and/or MSD recoveries outside advisory/acceptance limits. LCS recovery in-limits; indicative of matrix interference as evidenced by M-flag.
Nickel/ICP	J	See J-flag discussion above.
Naphthalene	J	See J-flag discussion above.

Notes:

Client: Environmental Tech Group
Attn: Jason Henry
Address: 4600 West Wall
Midland
Phone: 915 522-1139 **FAX:** 915 520-4310
Tx 79703

Report#/Lab ID#: 121176 **Report Date:** 11/12/01
Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 38
Sample Matrix: water
Date Received: 10/23/2001 **Time:** 14:04
Date Sampled: 10/18/2001 **Time:** 14:45

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA 1

Parameter	Result	Units	RQL 5	Blank	Date	Method 6	Data Qual 7	Prec. 2	Recov. 3	CCV 4	LCS 4
A/BN extraction-PAH	---	---	---	---	10/23/01	3520	---	---	---	---	---
Metals Dig.-Hg	---	---	---	---	10/29/01	7470&245.1	---	---	---	---	---
Metals Dig.-HNO3	---	---	---	---	10/23/01	3015	---	---	---	---	---
Metals Dig.-HNO3*filtered	---	---	---	---	10/24/01	3005A	---	---	---	---	---
Total dissolved solids	797	mg/L	1	<1	10/25/01	160.1	---	4.45	-NA-	-NA-	-NA-
TPH by GC (as diesel)	1.58	mg/L	0.5	<0.5	10/31/01	8015 mod.	---	2.9	100.7	106.4	84.6
TPH by GC (as diesel-ext)	---	---	---	---	10/23/01	3540	---	---	---	---	---
TPH by GC (as gasoline)	0.628	mg/L	0.5	<0.5	10/31/01	8015 mod.	---	9.2	93.8	94.4	72.2
Aluminum/ICP	5.04	mg/L	0.2	<0.2	11/05/01	6010 & 200.7	---	7.89	106.17	98.81	109.46
Arsenic/ICP	<0.05	mg/L	0.05	<0.05	11/05/01	6010 & 200.7	---	2.57	100.2	104.55	100.99
Barium/ICP	0.341	mg/L	0.01	<0.01	11/05/01	6010 & 200.7	---	2.89	102.94	100.5	106.04
Beryllium/ICP	<0.004	mg/L	0.004	<0.004	11/05/01	6010 & 200.7	---	1.83	104.4	103.75	106.63
Boron/ICP	0.227	mg/L	0.02	<0.02	11/05/01	6010 & 200.7	---	4.74	99.8	104.5	102.82
Cadmium/ICP	<0.005	mg/L	0.005	<0.005	11/05/01	6010 & 200.7	---	2.77	98.12	102.5	101.49
Calcium/ICP*filtered	120	mg/L	10	<10	11/02/01	6010 & 200.7	---	1.67	94.95	99.75	96.71
Chromium/ICP	<0.01	mg/L	0.01	<0.01	11/05/01	6010 & 200.7	J	2.41	100.77	106.5	105.08
Cobalt/ICP	<0.02	mg/L	0.02	<0.02	11/05/01	6010 & 200.7	---	2.67	98.54	103.25	104.3
Copper/ICP	<0.02	mg/L	0.02	<0.02	11/05/01	6010 & 200.7	---	2.75	99.56	98.95	103.06
Iron/ICP	3.45	mg/L	0.05	<0.05	11/05/01	6010 & 200.7	---	4.26	104.32	107.85	106.98
Lead/ICP	<0.02	mg/L	0.02	<0.02	11/05/01	6010 & 200.7	---	3	100.3	109.5	106.22
Magnesium/ICP*filtered	22.1	mg/L	5	<5	11/02/01	6010 & 200.7	S,M	9.1	97.02	106.45	96.94

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.

Client: Environmental Tech Group
Attn: Jason Henry

Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 38

Report#/Lab ID#: 121176
Sample Matrix: water

REPORT OF ANALYSIS-cont.

QUALITY ASSURANCE DATA 1

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Manganese/ICP	0.212	mg/L	0.01	<0.01	11/05/01	6010 & 200.7	---	2.86	101.27	108	105.7
Mercury/CVAA	<0.0002	mg/L	0.0002	<0.0002	10/30/01	245.1&7470	---	1.8	103.03	100	100
Molybdenum/ICP	<0.02	mg/L	0.02	<0.02	11/05/01	6010 & 200.7	---	2.41	87.95	105.25	89.91
Nickel/ICP	<0.02	mg/L	0.02	<0.02	11/05/01	6010 & 200.7	J	3.01	100.08	108.38	106.39
Potassium/AA*filtered	4.54	mg/L	0.25	<0.25	11/01/01	258.1&7610	---	2.32	128.78	99.04	111.66
Selenium/ICP	<0.05	mg/L	0.05	<0.05	11/05/01	6010 & 200.7	---	3.21	83.33	103.13	85.9
Silver/GFAA	<0.002	mg/L	0.002	<0.002	10/25/01	272.2&7761	---	0	91.74	90	81
Sodium/ICP*filtered	121	mg/L	50	<50	11/02/01	6010 & 200.7	---	3.94	94.77	93.8	97.61
Strontium/ICP	1.84	mg/L	0.05	<0.05	11/05/01	6010 & 200.7	---	2.25	101.63	102.05	107.57
Tin/ICP	<0.05	mg/L	0.05	<0.05	11/05/01	6010 & 200.7	---	0.97	82.9	105	100.41
Vanadium/ICP	0.0424	mg/L	0.02	<0.02	11/05/01	6010 & 200.7	---	2.16	105.48	107.9	108.2
Zinc/ICP	0.0153	mg/L	0.01	<0.01	11/05/01	6010 & 200.7	---	3.02	101.24	102.63	105.26
Alkalinity, bicarbonate	340	mg/L	10	<10	10/29/01	SM2320	---	0	-NA-	-NA-	-NA-
Alkalinity, carbonate	<10	mg/L	10	<10	10/29/01	SM2320	---	0	-NA-	-NA-	-NA-
Chloride	146	mg/L	2.5	<2.5	10/25/01	325.2&9251	---	2.4	102.72	107.7	97.1
Sulfate	125	mg/L	5	<5	10/26/01	375.4&9038	---	0.32	89.01	89.66	101.92
Extractable organics-PAH	---	---	---	---	10/30/01	8270c	---	-NA-	-NA-	-NA-	-NA-
Volatile organics-8260b/BTEX	---	---	---	---	10/30/01	8260b	---	---	---	---	---
Benzene	1.69	µg/L	1	<1	10/30/01	8260b	---	0.2	86.8	94	85.1
Ethylbenzene	1.3	µg/L	1	<1	10/30/01	8260b	---	4.9	101.6	103	97.2
m,p-Xylenes	4.67	µg/L	1	<1	10/30/01	8260b	---	4.7	96.2	97.2	91.9
o-Xylene	1.07	µg/L	1	<1	10/30/01	8260b	---	4.4	103.6	103.6	99
Toluene	<1	µg/L	1	<1	10/30/01	8260b	---	0.1	92	96.8	89.7
Acenaphthene	<0.5	µg/L	0.5	<0.5	10/30/01	8270c	---	2.5	43.7	84.7	58.2
Acenaphthylene	<0.5	µg/L	0.5	<0.5	10/30/01	8270c	J	11.7	47	82.2	52
Anthracene	<0.5	µg/L	0.5	<0.5	10/30/01	8270c	J	20.9	43.6	81.6	61.6
Benzo[a]anthracene	<0.5	µg/L	0.5	<0.5	10/30/01	8270c	---	22.3	49	97.1	69.4
Benzo[a]pyrene	<0.5	µg/L	0.5	<0.5	10/30/01	8270c	---	15.3	51.3	92.3	73.3
Benzo[b]fluoranthene	<0.5	µg/L	0.5	<0.5	10/30/01	8270c	---	17.4	51.7	94.8	75.3
Benzo[g,h,i]perylene	<0.5	µg/L	0.5	<0.5	10/30/01	8270c	---	14.4	51.5	88	65.9
Benzo[j,k]fluoranthene	<0.5	µg/L	0.5	<0.5	10/30/01	8270c	---	12.1	53.3	102.3	78
Chrysene	0.787	µg/L	0.5	<0.5	10/30/01	8270c	---	18.2	47.8	93.5	67.1

Client: Environmental Tech Group
Attn: Jason Henry

Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 38

Report#/Lab ID#: 121176
Sample Matrix: water

REPORT OF ANALYSIS-cont.

QUALITY ASSURANCE DATA 1

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Dibenz[a,h]anthracene	<0.5	µg/L	0.5	<0.5	10/30/01	8270c	---	14.1	52	89	69.8
Fluoranthene	0.807	µg/L	0.5	<0.5	10/30/01	8270c	---	28.3	56.4	113.6	87.4
Fluorene	0.904	µg/L	0.5	<0.5	10/30/01	8270c	---	3.2	46	88	61
Indeno[1,2,3-cd]pyrene	<0.5	µg/L	0.5	<0.5	10/30/01	8270c	---	13.6	51	87.4	68.1
Naphthalene	0.719	µg/L	0.5	<0.5	10/30/01	8270c	---	12.5	48.2	85.9	62.9
Phenanthrene	2.68	µg/L	0.5	<0.5	10/30/01	8270c	---	13.3	46	84.5	97.1
Pyrene	<0.5	µg/L	0.5	<0.5	10/30/01	8270c	---	27.9	38.2	82.8	53.3

Client: Environmental Tech Group
Attn: Jason Henry

Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 38

Report#/Lab ID#: 121176
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	96	50-150	---
Nitrobenzene-d5	8015 mod.	none/diluted	diluted @ 10X	D
p-Terphenyl	8015 mod.	96	50-150	---
1,2-Dichloroethane-d4	8260b	95.1	80-120	---
Toluene-d8	8260b	110	88-110	---
2-Fluorobiphenyl	8270c	none/diluted	diluted @ 10X	D
Terphenyl-d14	8270c	none/diluted	diluted @ 10X	D

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

Exceptions Report:

Report #/Lab ID#: 121176 **Matrix:** water
Client: Environmental Tech Group **Attn:** Jason Henry
Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 38

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 TNRC-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
Chromium/ICP	J	See J-flag discussion above.
Magnesium/ICP*filtered	S,M	MS and/or MSD recoveries outside advisory/acceptance limits. LCS recovery in-limits; indicative of matrix interference as evidenced by M-flag.
Nickel/ICP	J	See J-flag discussion above.
Acenaphthylene	J	See J-flag discussion above.
Anthracene	J	See J-flag discussion above.
2-Fluorobiphenyl	D	Sample diluted to assure quantitation within calibration range or due to Matrix interferences or other matrix effects (eg. high non-target organic levels). Surrogate recoveries not accurately quantifiable.
2-Fluorobiphenyl	D	Sample diluted to assure quantitation within calibration range or due to Matrix interferences or other matrix effects (eg. high non-target organic levels). Surrogate recoveries not accurately quantifiable.
Nitrobenzene-d5	D	Sample diluted to assure quantitation within calibration range or due to Matrix interferences or other matrix effects (eg. high non-target organic levels). Surrogate recoveries not accurately quantifiable.
Nitrobenzene-d5	D	Sample diluted to assure quantitation within calibration range or due to Matrix interferences or other matrix effects (eg. high non-target organic levels). Surrogate recoveries not accurately quantifiable.
Terphenyl-d14	D	Sample diluted to assure quantitation within calibration range or due to Matrix interferences or other matrix effects (eg. high non-target organic levels). Surrogate recoveries not accurately quantifiable.
Terphenyl-d14	D	Sample diluted to assure quantitation within calibration range or due to Matrix interferences or other matrix effects (eg. high non-target organic levels). Surrogate recoveries not accurately quantifiable.

Notes:



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Client: Environmental Tech Group
Attn: Jason Henry
Address: 4600 West Wall
Midland

Tx 79703

Phone: 915 522-1139 **FAX:** 915 520-4310

Report# / Lab ID#: 121177 **Report Date:** 11/12/01
Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 39
Sample Matrix: water
Date Received: 10/23/2001 **Time:** 14:04
Date Sampled: 10/18/2001 **Time:** 11:05

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	---	---	---	---	10/23/01	3520	---	---	---	---	---
Metals Dig.-Hg	---	---	---	---	10/29/01	7470&245.1	---	---	---	---	---
Metals Dig.-HNO ₃	---	---	---	---	10/23/01	3015	---	---	---	---	---
Metals Dig.-HNO ₃ *filtered	---	---	---	---	10/24/01	3005A	---	---	---	---	---
Total dissolved solids	729	mg/L	1	<1	10/25/01	160.1	---	4.45	-NA-	-NA-	-NA-
TPH by GC (as diesel)	<0.5	mg/L	0.5	<0.5	10/31/01	8015 mod.	---	2.9	100.7	106.4	84.6
TPH by GC (as diesel-ext)	---	---	---	---	10/23/01	3540	---	---	---	---	---
TPH by GC (as gasoline)	<0.5	mg/L	0.5	<0.5	10/31/01	8015 mod.	---	9.2	93.8	94.4	72.2
Aluminum/ICP	42.3	mg/L	0.2	<0.2	11/05/01	6010 & 200.7	---	7.89	106.17	98.81	109.46
Arsenic/ICP	<0.05	mg/L	0.05	<0.05	11/05/01	6010 & 200.7	---	2.57	100.2	104.55	100.99
Barium/ICP	0.564	mg/L	0.01	<0.01	11/05/01	6010 & 200.7	---	2.89	102.94	100.5	106.04
Beryllium/ICP	<0.004	mg/L	0.004	<0.004	11/05/01	6010 & 200.7	J	1.83	104.4	103.75	106.63
Boron/ICP	0.269	mg/L	0.02	<0.02	11/05/01	6010 & 200.7	---	4.74	99.8	104.5	102.82
Cadmium/ICP	<0.005	mg/L	0.005	<0.005	11/05/01	6010 & 200.7	---	2.77	98.12	102.5	101.49
Calcium/ICP*filtered	100	mg/L	10	<10	11/02/01	6010 & 200.7	---	1.67	94.95	99.75	96.71
Chromium/ICP	0.0844	mg/L	0.01	<0.01	11/05/01	6010 & 200.7	---	2.41	100.77	106.5	105.08
Cobalt/ICP	<0.02	mg/L	0.02	<0.02	11/05/01	6010 & 200.7	J	2.67	98.54	103.25	104.3
Copper/ICP	<0.02	mg/L	0.02	<0.02	11/05/01	6010 & 200.7	J	2.75	99.56	98.95	103.06
Iron/ICP	24.5	mg/L	0.05	<0.05	11/05/01	6010 & 200.7	---	4.26	104.32	107.85	106.98
Lead/ICP	<0.02	mg/L	0.02	<0.02	11/05/01	6010 & 200.7	J	3	100.3	109.5	106.22
Magnesium/ICP*filtered	18	mg/L	5	<5	11/02/01	6010 & 200.7	S,M	9.1	97.02	106.45	96.94

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.

Client: Environmental Tech Group
Attn: Jason Henry

Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 39

Report#/Lab ID#: 121177
Sample Matrix: water

REPORT OF ANALYSIS-cont.

QUALITY ASSURANCE DATA 1

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Manganese/ICP	0.421	mg/L	0.01	<0.01	11/05/01	6010 & 200.7	---	2.86	101.27	108	105.7
Mercury/CVAA	<0.0002	mg/L	0.0002	<0.0002	10/30/01	245.1&7470	---	1.8	103.03	100	100
Molybdenum/ICP	<0.02	mg/L	0.02	<0.02	11/05/01	6010 & 200.7	---	2.41	87.95	105.25	89.91
Nickel/ICP	0.031	mg/L	0.02	<0.02	11/05/01	6010 & 200.7	---	3.01	100.08	108.38	106.39
Potassium/AA*filtered	4.65	mg/L	0.25	<0.25	11/01/01	258.1&7610	---	2.32	128.78	99.04	111.66
Selenium/ICP	<0.05	mg/L	0.05	<0.05	11/05/01	6010 & 200.7	---	3.21	83.33	103.13	85.9
Silver/GFAA	<0.002	mg/L	0.002	<0.002	10/25/01	272.2&7761	---	0	91.74	90	81
Sodium/ICP*filtered	111	mg/L	50	<50	11/02/01	6010 & 200.7	---	3.94	94.77	93.8	97.61
Strontium/ICP	1.61	mg/L	0.05	<0.05	11/05/01	6010 & 200.7	---	2.25	101.63	102.05	107.57
Tin/ICP	<0.05	mg/L	0.05	<0.05	11/05/01	6010 & 200.7	---	0.97	82.9	105	100.41
Vanadium/ICP	0.252	mg/L	0.02	<0.02	11/05/01	6010 & 200.7	---	2.16	105.48	107.9	108.2
Zinc/ICP	0.0792	mg/L	0.01	<0.01	11/05/01	6010 & 200.7	---	3.02	101.24	102.63	105.26
Alkalinity, bicarbonate	260	mg/L	10	<10	10/29/01	SM2320	---	0	-NA-	-NA-	-NA-
Alkalinity, carbonate	<10	mg/L	10	<10	10/29/01	SM2320	---	0	-NA-	-NA-	-NA-
Chloride	110	mg/L	2.5	<2.5	10/25/01	325.2&9251	---	2.4	102.72	107.7	97.1
Sulfate	155	mg/L	5	<5	10/26/01	375.4&9038	---	0.32	89.01	89.66	101.92
Extractable organics-PAH	---	---	---	---	10/29/01	8270c	---	-NA-	-NA-	-NA-	-NA-
Volatile organics-8260b/BTEX	---	---	---	---	10/30/01	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	10/30/01	8260b	---	0.2	86.8	94	85.1
Ethylbenzene	<1	µg/L	1	<1	10/30/01	8260b	---	4.9	101.6	103	97.2
m,p-Xylenes	<1	µg/L	1	<1	10/30/01	8260b	---	4.7	96.2	97.2	91.9
o-Xylene	<1	µg/L	1	<1	10/30/01	8260b	---	4.4	103.6	103.6	99
Toluene	<1	µg/L	1	<1	10/30/01	8260b	---	0.1	92	96.8	89.7
Acenaphthene	<0.05	µg/L	0.05	<0.05	10/29/01	8270c	---	2.5	43.7	84.7	58.2
Acenaphthylene	<0.05	µg/L	0.05	<0.05	10/29/01	8270c	---	11.7	47	82.2	52
Anthracene	<0.05	µg/L	0.05	<0.05	10/29/01	8270c	---	20.9	43.6	81.6	61.6
Benzo[a]anthracene	<0.05	µg/L	0.05	<0.05	10/29/01	8270c	---	22.3	49	97.1	69.4
Benzo[a]pyrene	<0.05	µg/L	0.05	<0.05	10/29/01	8270c	J	15.3	51.3	92.3	73.3
Benzo[b]fluoranthene	<0.05	µg/L	0.05	<0.05	10/29/01	8270c	---	17.4	51.7	94.8	75.3
Benzo[g,h,i]perylene	<0.05	µg/L	0.05	<0.05	10/29/01	8270c	---	14.4	51.5	88	65.9
Benzo[k]fluoranthene	<0.05	µg/L	0.05	<0.05	10/29/01	8270c	---	12.1	53.3	102.3	78
Chrysene	<0.05	µg/L	0.05	<0.05	10/29/01	8270c	---	18.2	47.8	93.5	67.1

Client: Environmental Tech Group
Attn: Jason Henry

Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 39

Report#/Lab ID#: 121177
Sample Matrix: water

REPORT OF ANALYSIS-cont.

QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Dibenz[a,h]anthracene	<0.05	µg/L	0.05	<0.05	10/29/01	8270c	---	14.1	52	89	69.8
Fluoranthene	<0.05	µg/L	0.05	<0.05	10/29/01	8270c	---	28.3	56.4	113.6	87.4
Fluorene	<0.05	µg/L	0.05	<0.05	10/29/01	8270c	---	3.2	46	88	61
Indeno[1,2,3-cd]pyrene	<0.05	µg/L	0.05	<0.05	10/29/01	8270c	---	13.6	51	87.4	68.1
Naphthalene	0.083	µg/L	0.05	<0.05	10/29/01	8270c	---	12.5	48.2	85.9	62.9
Phenanthrene	<0.05	µg/L	0.05	<0.05	10/29/01	8270c	---	13.3	46	84.5	97.1
Pyrene	<0.05	µg/L	0.05	<0.05	10/29/01	8270c	---	27.9	38.2	82.8	53.3



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(512) 444-5896 • FAX (512) 447-4766

Client: Environmental Tech Group
Attn: Jason Henry

Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 39

Report#/Lab ID#: 121177
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	89	50-150	---
Nitrobenzene-d5	8015 mod.	70.6	35-114	---
p-Terphenyl	8015 mod.	98	50-150	---
1,2-Dichloroethane-d4	8260b	98.7	80-120	---
Toluene-d8	8260b	109	88-110	---
2-Fluorobiphenyl	8270c	46	43-116	---
Terphenyl-d14	8270c	88.8	33-141	---

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

Exceptions Report:

Report #/Lab ID#: 121177	Matrix: water	Attn: Jason Henry
Client: Environmental Tech Group		
Project ID: Jimmy Cooper EOT 2074C		
Sample Name: MW 39		

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
Beryllium/ICP	J	See J-flag discussion above.
Cobalt/ICP	J	See J-flag discussion above.
Copper/ICP	J	See J-flag discussion above.
Lead/ICP	J	See J-flag discussion above.
Magnesium/ICP*filtered	S,M	MS and/or MSD recoveries outside advisory/acceptance limits. LCS recovery in-limits; indicative of matrix interference as evidenced by M-flag.
Benzofalpyrene	J	See J-flag discussion above.

Notes:



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2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 444-5896 • FAX (512) 447-4766

Client: Environmental Tech Group
Attn: Jason Henry
Address: 4600 West Wall
Midland

Tx 79703

Phone: 915 522-1139 **FAX:** 915 520-4310

Report#/Lab ID#: 121178 **Report Date:** 11/12/01

Project ID: Jimmy Cooper EOT 2074C

Sample Name: MW 40

Sample Matrix: water

Date Received: 10/23/2001 **Time:** 14:04

Date Sampled: 10/18/2001 **Time:** 11:25

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA 1

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
A/BN extraction-PAH	---	---	---	---	10/23/01	3520	---	---	---	---	---
Metals Dig.-Hg	---	---	---	---	10/29/01	7470&245.1	---	---	---	---	---
Metals Dig.-HNO ₃	---	---	---	---	10/23/01	3015	---	---	---	---	---
Metals Dig.-HNO ₃ *filtered	---	---	---	---	10/24/01	3005A	---	---	---	---	---
Total dissolved solids	754	mg/L	1	<1	10/25/01	160.1	---	4.45	-NA-	-NA-	-NA-
TPH by GC (as diesel)	<0.5	mg/L	0.5	<0.5	10/31/01	8015 mod.	---	2.9	100.7	106.4	84.6
TPH by GC (as diesel-ext)	---	---	---	---	10/23/01	3540	---	---	---	---	---
TPH by GC (as gasoline)	<0.5	mg/L	0.5	<0.5	10/31/01	8015 mod.	---	9.2	93.8	94.4	72.2
Aluminum/ICP	17.4	mg/L	0.2	<0.2	11/05/01	6010 & 200.7	---	7.89	106.17	98.81	109.46
Arsenic/ICP	<0.05	mg/L	0.05	<0.05	11/05/01	6010 & 200.7	J	2.57	100.2	104.55	100.99
Barium/ICP	2.42	mg/L	1	<1	11/05/01	6010 & 200.7	---	2.89	102.94	100.5	106.04
Beryllium/ICP	<0.004	mg/L	0.004	<0.004	11/05/01	6010 & 200.7	---	1.83	104.4	103.75	106.63
Boron/ICP	0.173	mg/L	0.02	<0.02	11/05/01	6010 & 200.7	---	4.74	99.8	104.5	102.82
Cadmium/ICP	<0.005	mg/L	0.005	<0.005	11/05/01	6010 & 200.7	---	2.77	98.12	102.5	101.49
Calcium/ICP*filtered	110	mg/L	10	<10	11/02/01	6010 & 200.7	---	1.67	94.95	99.75	96.71
Chromium/ICP	0.0304	mg/L	0.01	<0.01	11/05/01	6010 & 200.7	---	2.41	100.77	106.5	105.08
Cobalt/ICP	<0.02	mg/L	0.02	<0.02	11/05/01	6010 & 200.7	J	2.67	98.54	103.25	104.3
Copper/ICP	<0.02	mg/L	0.02	<0.02	11/05/01	6010 & 200.7	---	2.75	99.56	98.95	103.06
Iron/ICP	10.6	mg/L	0.05	<0.05	11/05/01	6010 & 200.7	---	4.26	104.32	107.85	106.98
Lead/ICP	<0.02	mg/L	0.02	<0.02	11/05/01	6010 & 200.7	J	3	100.3	109.5	106.22
Magnesium/ICP*filtered	35	mg/L	5	<5	11/02/01	6010 & 200.7	S,M	9.1	97.02	106.45	96.94

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 (" $\leq$ ") 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.

Client: Environmental Tech Group
Attn: Jason Henry

Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 40

Report#/Lab ID#: 121178
Sample Matrix: water

REPORT OF ANALYSIS-cont.

QUALITY ASSURANCE DATA 1

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Manganese/ICP	0.588	mg/L	0.01	<0.01	11/05/01	6010 & 200.7	---	2.86	101.27	108	105.7
Mercury/CVAA	<0.0002	mg/L	0.0002	<0.0002	10/30/01	245.1&7470	---	1.8	103.03	100	100
Molybdenum/ICP	<0.02	mg/L	0.02	<0.02	11/05/01	6010 & 200.7	---	2.41	87.95	105.25	89.91
Nickel/ICP	<0.02	mg/L	0.02	<0.02	11/05/01	6010 & 200.7	J	3.01	100.08	108.38	106.39
Potassium/AA*filtered	3.93	mg/L	0.25	<0.25	11/01/01	258.1&7610	---	2.32	128.78	99.04	111.66
Selenium/ICP	<0.05	mg/L	0.05	<0.05	11/05/01	6010 & 200.7	---	3.21	83.33	103.13	85.9
Silver/GFAA	<0.002	mg/L	0.002	<0.002	10/25/01	272.2&7761	---	0	91.74	90	81
Sodium/ICP*filtered	94.7	mg/L	50	<50	11/02/01	6010 & 200.7	---	3.94	94.77	93.8	97.61
Strontium/ICP	2.08	mg/L	0.05	<0.05	11/05/01	6010 & 200.7	---	2.25	101.63	102.05	107.57
Tin/ICP	<0.05	mg/L	0.05	<0.05	11/05/01	6010 & 200.7	---	0.97	82.9	105	100.41
Vanadium/ICP	0.0756	mg/L	0.02	<0.02	11/05/01	6010 & 200.7	---	2.16	105.48	107.9	108.2
Zinc/ICP	0.0338	mg/L	0.01	<0.01	11/05/01	6010 & 200.7	---	3.02	101.24	102.63	105.26
Alkalinity, bicarbonate	460	mg/L	10	<10	10/29/01	SM2320	---	0	-NA-	-NA-	-NA-
Alkalinity, carbonate	<10	mg/L	10	<10	10/29/01	SM2320	---	0	-NA-	-NA-	-NA-
Chloride	115	mg/L	2.5	<2.5	10/25/01	325.2&9251	---	2.4	102.72	107.7	97.1
Sulfate	25.2	mg/L	1	<1	10/26/01	375.4&9038	---	0.32	89.01	89.66	101.92
Extractable organics-PAH	---	---	---	---	10/29/01	8270c	---	-NA-	-NA-	-NA-	-NA-
Volatile organics-8260b/BTEX	---	---	---	---	10/30/01	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	10/30/01	8260b	---	0.2	86.8	94	85.1
Ethylbenzene	<1	µg/L	1	<1	10/30/01	8260b	---	4.9	101.6	103	97.2
m,p-Xylenes	<1	µg/L	1	<1	10/30/01	8260b	---	4.7	96.2	97.2	91.9
o-Xylene	<1	µg/L	1	<1	10/30/01	8260b	---	4.4	103.6	103.6	99
Toluene	<1	µg/L	1	<1	10/30/01	8260b	---	0.1	92	96.8	89.7
Acenaphthene	<0.05	µg/L	0.05	<0.05	10/29/01	8270c	J	2.5	43.7	84.7	58.2
Acenaphthylene	<0.05	µg/L	0.05	<0.05	10/29/01	8270c	J	11.7	47	82.2	52
Anthracene	0.15	µg/L	0.05	<0.05	10/29/01	8270c	---	20.9	43.6	81.6	61.6
Benzo[a]anthracene	<0.05	µg/L	0.05	<0.05	10/29/01	8270c	---	22.3	49	97.1	69.4
Benzo[a]pyrene	<0.05	µg/L	0.05	<0.05	10/29/01	8270c	---	15.3	51.3	92.3	73.3
Benzo[b]fluoranthene	<0.05	µg/L	0.05	<0.05	10/29/01	8270c	---	17.4	51.7	94.8	75.3
Benzo[g,h,i]perylene	<0.05	µg/L	0.05	<0.05	10/29/01	8270c	---	14.4	51.5	88	65.9
Benzo[k]fluoranthene	<0.05	µg/L	0.05	<0.05	10/29/01	8270c	J	12.1	53.3	102.3	78
Chrysene	0.244	µg/L	0.05	<0.05	10/29/01	8270c	---	18.2	47.8	93.5	67.1

Client: Environmental Tech Group
Attn: Jason Henry

Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 40

Report#/Lab ID#: 121178
Sample Matrix: water

REPORT OF ANALYSIS-cont.

QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Dibenz[a,h]anthracene	<0.05	µg/L	0.05	<0.05	10/29/01	8270c	---	14.1	52	89	69.8
Fluoranthene	0.111	µg/L	0.05	<0.05	10/29/01	8270c	---	28.3	56.4	113.6	87.4
Fluorene	0.072	µg/L	0.05	<0.05	10/29/01	8270c	---	3.2	46	88	61
Indeno[1,2,3-cd]pyrene	<0.05	µg/L	0.05	<0.05	10/29/01	8270c	---	13.6	51	87.4	68.1
Naphthalene	0.303	µg/L	0.05	<0.05	10/29/01	8270c	---	12.5	48.2	85.9	62.9
Phenanthrene	0.157	µg/L	0.05	<0.05	10/29/01	8270c	---	13.3	46	84.5	97.1
Pyrene	0.062	µg/L	0.05	<0.05	10/29/01	8270c	---	27.9	38.2	82.8	53.3

Client: Environmental Tech Group
Attn: Jason Henry

Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 40

Report#/Lab ID#: 121178
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	102	50-150	---
Nitrobenzene-d5	8015 mod.	104	35-114	---
p-Terphenyl	8015 mod.	118	50-150	---
1,2-Dichloroethane-d4	8260b	105	80-120	---
Toluene-d8	8260b	108	88-110	---
2-Fluorobiphenyl	8270c	60	43-116	---
Terphenyl-d14	8270c	79.9	33-141	---

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

Exceptions Report:

Report #/Lab ID#: 121178 Matrix: water
Client: Environmental Tech Group
Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 40

Attn: Jason Henry

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
Arsenic/ICP	J	See J-flag discussion above.
Cobalt/ICP	J	See J-flag discussion above.
Lead/ICP	J	See J-flag discussion above.
Magnesium/ICP*filtered	S,M	MS and/or MSD recoveries outside advisory/acceptance limits. LCS recovery in-limits; indicative of matrix interference as evidenced by M-flag.
Nickel/ICP	J	See J-flag discussion above.
Acenaphthene	J	See J-flag discussion above.
Acenaphthylene	J	See J-flag discussion above.
Benzo[a,k]fluoranthene	J	See J-flag discussion above.

Notes:

Client: Environmental Tech Group

Attn: Jason Henry

Address: 4600 West Wall

Midland

Tx 79703

Phone: 915 522-1139 **FAX:** 915 520-4310

Report#/Lab ID#: 121179 **Report Date:** 11/12/01

Project ID: Jimmy Cooper EOT 2074C

Sample Name: MW 41

Sample Matrix: water

Date Received: 10/23/2001 **Time:** 14:04

Date Sampled: 10/18/2001 **Time:** 11:40

REPORT OF ANALYSIS

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
A/BN extraction-PAH	---	---	---	---	10/23/01	3520	---	---	---	---	---
Metals Dig.-Hg	---	---	---	---	10/29/01	7470&245.1	---	---	---	---	---
Metals Dig.-HNO ₃	---	---	---	---	10/23/01	3015	---	---	---	---	---
Metals Dig.-HNO ₃ *filtered	---	---	---	---	10/24/01	3005A	---	---	---	---	---
Total dissolved solids	701	mg/L	1	<1	10/25/01	160.1	---	---	---	---	---
TPH by GC (as diesel)	<0.5	mg/L	0.5	<0.5	10/31/01	8015 mod.	---	4.45	-NA-	-NA-	-NA-
TPH by GC (as diesel-ext)	---	---	---	---	10/23/01	3540	---	2.9	100.7	106.4	84.6
TPH by GC (as gasoline)	<0.5	mg/L	0.5	<0.5	10/31/01	8015 mod.	---	---	---	---	---
Aluminum/ICP	<0.2	mg/L	0.2	<0.2	11/05/01	6010 & 200.7	---	0.9	104.27	101.63	108.63
Arsenic/ICP	0.095	mg/L	0.05	<0.05	11/05/01	6010 & 200.7	---	2.57	100.2	104.55	100.99
Barium/ICP	0.195	mg/L	0.01	<0.01	11/06/01	6010 & 200.7	---	2.89	102.94	100.5	106.04
Beryllium/ICP	<0.004	mg/L	0.004	<0.004	11/05/01	6010 & 200.7	---	0.21	106.93	107.5	101.38
Boron/ICP	0.758	mg/L	0.02	<0.02	11/05/01	6010 & 200.7	---	0.19	112.39	95.75	97.33
Cadmium/ICP	<0.005	mg/L	0.005	<0.005	11/05/01	6010 & 200.7	---	0.24	104.69	103.25	103.48
Calcium/ICP*filtered	96	mg/L	10	<10	11/02/01	6010 & 200.7	---	1.67	94.95	99.75	96.71
Chromium/ICP	<0.01	mg/L	0.01	<0.01	11/05/01	6010 & 200.7	J	1.68	105.61	98.38	101.78
Cobalt/ICP	<0.02	mg/L	0.02	<0.02	11/05/01	6010 & 200.7	---	0.51	101.11	106	100.66
Copper/ICP	<0.02	mg/L	0.02	<0.02	11/05/01	6010 & 200.7	---	0.65	100.74	100.5	103.25
Iron/ICP	0.133	mg/L	0.05	<0.05	11/05/01	6010 & 200.7	---	4.26	104.32	107.85	106.98
Lead/ICP	<0.02	mg/L	0.02	<0.02	11/05/01	6010 & 200.7	---	0.5	99.92	109.4	97.95
Magnesium/ICP*filtered	16.3	mg/L	5	<5	11/02/01	6010 & 200.7	S,M	9.1	97.02	106.45	96.94

QUALITY ASSURANCE DATA¹

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.

Client: Environmental Tech Group
Attn: Jason Henry

Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 41

Report#/Lab ID#: 121179
Sample Matrix: water

REPORT OF ANALYSIS-cont.

QUALITY ASSURANCE DATA 1

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Manganese/ICP	0.035	mg/L	0.01	<0.01	11/05/01	6010 & 200.7	---	2.86	101.27	108	105.7
Mercury/CVAA	<0.0002	mg/L	0.0002	<0.0002	10/30/01	245.1&7470	---	1.8	103.03	100	100
Molybdenum/ICP	<0.02	mg/L	0.02	<0.02	11/05/01	6010 & 200.7	J	0.72	84.07	101.63	82.46
Nickel/ICP	0.0244	mg/L	0.02	<0.02	11/05/01	6010 & 200.7	---	0.52	101.4	98.63	100.03
Potassium/AA*filtered	4.45	mg/L	0.25	<0.25	11/01/01	258.1&7610	---	2.32	128.78	99.04	111.66
Selenium/ICP	<0.05	mg/L	0.05	<0.05	11/05/01	6010 & 200.7	---	0.18	81.35	94	79.55
Silver/GFAA	<0.002	mg/L	0.002	<0.002	10/25/01	272.2&7761	---	0	91.74	90	81
Sodium/ICP*filtered	108	mg/L	50	<50	11/02/01	6010 & 200.7	---	3.94	94.77	93.8	97.61
Strontium/ICP	2.33	mg/L	0.05	<0.05	11/05/01	6010 & 200.7	---	0.69	104.31	104.58	99.65
Tin/ICP	<0.05	mg/L	0.05	<0.05	11/05/01	6010 & 200.7	---	0.97	82.9	105	100.41
Vanadium/ICP	<0.02	mg/L	0.02	<0.02	11/05/01	6010 & 200.7	---	2.16	105.48	107.9	108.2
Zinc/ICP	<0.01	mg/L	0.01	<0.01	11/05/01	6010 & 200.7	---	0.6	103.25	105.63	101.64
Alkalinity, bicarbonate	260	mg/L	10	<10	10/29/01	SM2320	---	0	-NA-	-NA-	-NA-
Alkalinity, carbonate	<10	mg/L	10	<10	10/29/01	SM2320	---	0	-NA-	-NA-	-NA-
Chloride	110	mg/L	2.5	<2.5	10/25/01	325.2&9251	---	2.4	102.72	107.7	97.1
Sulfate	130	mg/L	5	<5	10/26/01	375.4&9038	---	0.32	89.01	89.66	101.92
Extractable organics-PAH	---	---	---	---	10/29/01	8270c	---	-NA-	-NA-	-NA-	-NA-
Volatile organics-8260b/BTEX	---	---	---	---	10/30/01	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	10/30/01	8260b	---	0.2	86.8	94	85.1
Ethylbenzene	<1	µg/L	1	<1	10/30/01	8260b	---	4.9	101.6	103	97.2
m,p-Xylenes	<1	µg/L	1	<1	10/30/01	8260b	---	4.7	96.2	97.2	91.9
o-Xylene	<1	µg/L	1	<1	10/30/01	8260b	---	4.4	103.6	103.6	99
Toluene	<1	µg/L	1	<1	10/30/01	8260b	---	0.1	92	96.8	89.7
Acenaphthene	<0.05	µg/L	0.05	<0.05	10/29/01	8270c	---	2.5	43.7	84.7	58.2
Acenaphthylene	<0.05	µg/L	0.05	<0.05	10/29/01	8270c	---	11.7	47	82.2	52
Anthracene	<0.05	µg/L	0.05	<0.05	10/29/01	8270c	---	20.9	43.6	81.6	61.6
Benzo[a]anthracene	<0.05	µg/L	0.05	<0.05	10/29/01	8270c	---	22.3	49	97.1	69.4
Benzo[a]pyrene	<0.05	µg/L	0.05	<0.05	10/29/01	8270c	---	15.3	51.3	92.3	73.3
Benzo[b]fluoranthene	<0.05	µg/L	0.05	<0.05	10/29/01	8270c	---	17.4	51.7	94.8	75.3
Benzo[g,h,i]perylene	<0.05	µg/L	0.05	<0.05	10/29/01	8270c	---	14.4	51.5	88	65.9
Benzo[j,k]fluoranthene	<0.05	µg/L	0.05	<0.05	10/29/01	8270c	---	12.1	53.3	102.3	78
Chrysene	<0.05	µg/L	0.05	<0.05	10/29/01	8270c	---	18.2	47.8	93.5	67.1

Client: Environmental Tech Group
Attn: Jason Henry

Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 41

Report#/Lab ID#: 121179
Sample Matrix: water

REPORT OF ANALYSIS-cont.

QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Dibenz[a,h]anthracene	<0.05	µg/L	0.05	<0.05	10/29/01	8270c	---	14.1	52	89	69.8
Fluoranthene	<0.05	µg/L	0.05	<0.05	10/29/01	8270c	---	28.3	56.4	113.6	87.4
Fluorene	<0.05	µg/L	0.05	<0.05	10/29/01	8270c	---	3.2	46	88	61
Indeno[1,2,3-cd]pyrene	<0.05	µg/L	0.05	<0.05	10/29/01	8270c	---	13.6	51	87.4	68.1
Naphthalene	<0.05	µg/L	0.05	<0.05	10/29/01	8270c	---	12.5	48.2	85.9	62.9
Phenanthrene	<0.05	µg/L	0.05	<0.05	10/29/01	8270c	---	13.3	46	84.5	97.1
Pyrene	<0.05	µg/L	0.05	<0.05	10/29/01	8270c	---	27.9	38.2	82.8	53.3

Client: Environmental Tech Group
Attn: Jason Henry

Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 41

Report#/Lab ID#: 121179
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	92	50-150	---
Nitrobenzene-d5	8015 mod.	105	35-114	---
p-Terphenyl	8015 mod.	109	50-150	---
1,2-Dichloroethane-d4	8260b	96.5	80-120	---
Toluene-d8	8260b	109	88-110	---
2-Fluorobiphenyl	8270c	52.4	43-116	---
Terphenyl-d14	8270c	88.9	33-141	---

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

Exceptions Report:

Report #/Lab ID#: 121179	Matrix: water	Attn: Jason Henry
Client: Environmental Tech Group		
Project ID: Jimmy Cooper EOT 2074C		
Sample Name: MW 41		

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
Chromium/ICP	J	See J-flag discussion above.
Magnesium/ICP*filtered	S,M	MS and/or MSD recoveries outside advisory/acceptance limits. LCS recovery in-limits; indicative of matrix interference as evidenced by M-flag.
Molybdenum/ICP	J	See J-flag discussion above.

Notes:

Client: Environmental Tech Group
Attn: Jason Henry
Address: 4600 West Wall
Midland Tx 79703
Phone: 915 522-1139 **FAX:** 915 520-4310

Report#/Lab ID#: 121180 **Report Date:** 11/12/01
Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 42
Sample Matrix: water
Date Received: 10/23/2001 **Time:** 14:04
Date Sampled: 10/18/2001 **Time:** 11:15

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	---	---	---	---	10/23/01	3520	---	---	---	---	---
Metals Dig.-Hg	---	---	---	---	10/29/01	7470&245.1	---	---	---	---	---
Metals Dig.-HNO ₃	---	---	---	---	10/23/01	3015	---	---	---	---	---
Metals Dig.-HNO ₃ *filtered	---	---	---	---	10/24/01	3005A	---	---	---	---	---
Total dissolved solids	915	mg/L	1	<1	10/25/01	160.1	---	4.45	-NA-	-NA-	-NA-
TPH by GC (as diesel)	<0.5	mg/L	0.5	<0.5	10/31/01	8015 mod.	---	2.9	100.7	106.4	84.6
TPH by GC (as diesel-ext)	---	---	---	---	10/23/01	3540	---	---	---	---	---
TPH by GC (as gasoline)	<0.5	mg/L	0.5	<0.5	10/31/01	8015 mod.	---	9.2	93.8	94.4	72.2
Aluminum/ICP	23.7	mg/L	0.2	<0.2	11/06/01	6010 & 200.7	---	7.89	106.17	98.81	109.46
Arsenic/ICP	<0.05	mg/L	0.05	<0.05	11/06/01	6010 & 200.7	---	2.57	100.2	104.55	100.99
Barium/ICP	0.329	mg/L	0.01	<0.01	11/06/01	6010 & 200.7	---	2.89	102.94	100.5	106.04
Beryllium/ICP	<0.004	mg/L	0.004	<0.004	11/06/01	6010 & 200.7	---	1.83	104.4	103.75	106.63
Boron/ICP	0.238	mg/L	0.02	<0.02	11/06/01	6010 & 200.7	---	4.74	99.8	104.5	102.82
Cadmium/ICP	<0.005	mg/L	0.005	<0.005	11/06/01	6010 & 200.7	---	2.77	98.12	102.5	101.49
Calcium/ICP*filtered	118	mg/L	10	<10	11/02/01	6010 & 200.7	---	1.67	94.95	99.75	96.71
Chromium/ICP	0.0211	mg/L	0.01	<0.01	11/06/01	6010 & 200.7	---	2.41	100.77	106.5	105.08
Cobalt/ICP	<0.02	mg/L	0.02	<0.02	11/06/01	6010 & 200.7	---	2.67	98.54	103.25	104.3
Copper/ICP	<0.02	mg/L	0.02	<0.02	11/06/01	6010 & 200.7	J	2.75	99.56	98.95	103.06
Iron/ICP	13.3	mg/L	0.05	<0.05	11/06/01	6010 & 200.7	---	4.26	104.32	107.85	106.98
Lead/ICP	<0.02	mg/L	0.02	<0.02	11/06/01	6010 & 200.7	J	3	100.3	109.5	106.22
Magnesium/ICP*filtered	31.5	mg/L	5	<5	11/02/01	6010 & 200.7	S,M	9.1	97.02	106.45	96.94

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.

Client: Environmental Tech Group
Attn: Jason Henry

Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 42

Report#/Lab ID#: 121180
Sample Matrix: water

REPORT OF ANALYSIS-cont.

QUALITY ASSURANCE DATA 1

Parameter	Result	Units	RQL 5	Blank	Date	Method 6	Data Qual 7	Prec. 2	Recov. 3	CCV 4	LCS 4
Manganese/ICP	0.246	mg/L	0.01	<0.01	11/06/01	6010 & 200.7	---	2.86	101.27	108	105.7
Mercury/CVAA	<0.0002	mg/L	0.0002	<0.0002	10/30/01	245.1&7470	---	1.8	103.03	100	100
Molybdenum/ICP	<0.02	mg/L	0.02	<0.02	11/06/01	6010 & 200.7	---	2.41	87.95	105.25	89.91
Nickel/ICP	<0.02	mg/L	0.02	<0.02	11/06/01	6010 & 200.7	J	3.01	100.08	108.38	106.39
Potassium/AA*filtered	4.65	mg/L	0.25	<0.25	11/01/01	258.1&7610	---	2.32	128.78	99.04	111.66
Selenium/ICP	<0.05	mg/L	0.05	<0.05	11/06/01	6010 & 200.7	---	3.21	83.33	103.13	85.9
Silver/GFAA	<0.002	mg/L	0.002	<0.002	10/25/01	272.2&7761	---	0	91.74	90	81
Sodium/ICP*filtered	134	mg/L	50	<50	11/02/01	6010 & 200.7	---	3.94	94.77	93.8	97.61
Strontium/ICP	2.29	mg/L	0.05	<0.05	11/06/01	6010 & 200.7	---	2.25	101.63	102.05	107.57
Tin/ICP	<0.05	mg/L	0.05	<0.05	11/06/01	6010 & 200.7	---	0.97	82.9	105	100.41
Vanadium/ICP	0.0882	mg/L	0.02	<0.02	11/06/01	6010 & 200.7	---	2.16	105.48	107.9	108.2
Zinc/ICP	0.0298	mg/L	0.01	<0.01	11/06/01	6010 & 200.7	---	3.02	101.24	102.63	105.26
Alkalinity, bicarbonate	400	mg/L	10	<10	10/29/01	SM2320	---	0	-NA-	-NA-	-NA-
Alkalinity, carbonate	<10	mg/L	10	<10	10/29/01	SM2320	---	0	-NA-	-NA-	-NA-
Chloride	138	mg/L	2.5	<2.5	10/25/01	325.2&9251	---	2.4	102.72	107.7	97.1
Sulfate	153	mg/L	5	<5	10/26/01	375.4&9038	---	0.32	89.01	89.66	101.92
Extractable organics-PAH	---	---	---	---	10/30/01	8270c	---	-NA-	-NA-	-NA-	-NA-
Volatile organics-8260b/BTEX	---	---	---	---	10/30/01	8260b	---	---	---	---	---
Benzene	<1	μg/L	1	<1	10/30/01	8260b	---	0.2	86.8	94	85.1
Ethylbenzene	<1	μg/L	1	<1	10/30/01	8260b	---	4.9	101.6	103	97.2
m,p-Xylenes	<1	μg/L	1	<1	10/30/01	8260b	---	4.7	96.2	97.2	91.9
o-Xylene	<1	μg/L	1	<1	10/30/01	8260b	---	4.4	103.6	103.6	99
Toluene	<1	μg/L	1	<1	10/30/01	8260b	---	0.1	92	96.8	89.7
Acenaphthene	<0.05	μg/L	0.05	<0.05	10/30/01	8270c	---	2.5	43.7	84.7	58.2
Acenaphthylene	<0.05	μg/L	0.05	<0.05	10/30/01	8270c	---	11.7	47	82.2	52
Anthracene	<0.05	μg/L	0.05	<0.05	10/30/01	8270c	---	20.9	43.6	81.6	61.6
Benzo[a]anthracene	<0.05	μg/L	0.05	<0.05	10/30/01	8270c	---	22.3	49	97.1	69.4
Benzo[a]pyrene	<0.05	μg/L	0.05	<0.05	10/30/01	8270c	---	15.3	51.3	92.3	73.3
Benzo[b]fluoranthene	<0.05	μg/L	0.05	<0.05	10/30/01	8270c	---	17.4	51.7	94.8	75.3
Benzo[g,h,i]perylene	<0.05	μg/L	0.05	<0.05	10/30/01	8270c	---	14.4	51.5	88	65.9
Benzo[j,k]fluoranthene	<0.05	μg/L	0.05	<0.05	10/30/01	8270c	---	12.1	53.3	102.3	78
Chrysene	<0.05	μg/L	0.05	<0.05	10/30/01	8270c	---	18.2	47.8	93.5	67.1

Client: Environmental Tech Group
Attn: Jason Henry

Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 42

Report#/Lab ID#: 121180
Sample Matrix: water

REPORT OF ANALYSIS-cont.

QUALITY ASSURANCE DATA 1

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Dibenz[a,h]anthracene	<0.05	µg/L	0.05	<0.05	10/30/01	8270c	---	14.1	52	89	69.8
Fluoranthene	<0.05	µg/L	0.05	<0.05	10/30/01	8270c	---	28.3	56.4	113.6	87.4
Fluorene	<0.05	µg/L	0.05	<0.05	10/30/01	8270c	---	3.2	46	88	61
Indeno[1,2,3-cd]pyrene	<0.05	µg/L	0.05	<0.05	10/30/01	8270c	---	13.6	51	87.4	68.1
Naphthalene	<0.05	µg/L	0.05	<0.05	10/30/01	8270c	---	12.5	48.2	85.9	62.9
Phenanthrene	<0.05	µg/L	0.05	<0.05	10/30/01	8270c	---	13.3	46	84.5	97.1
Pyrene	<0.05	µg/L	0.05	<0.05	10/30/01	8270c	---	27.9	38.2	82.8	53.3

Client: Environmental Tech Group
Attn: Jason Henry

Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 42

Report#/Lab ID#: 121180
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	136	50-150	---
Nitrobenzene-d5	8015 mod.	82.5	35-114	---
p-Terphenyl	8015 mod.	138	50-150	---
1,2-Dichloroethane-d4	8260b	103	80-120	---
Toluene-d8	8260b	109	88-110	---
2-Fluorobiphenyl	8270c	45.3	43-116	---
Terphenyl-d14	8270c	64.1	33-141	---

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

Exceptions Report:

Report #/Lab ID#: 121180 Matrix: water
Client: Environmental Tech Group Attn: Jason Henry
Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 42

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
Copper/ICP	J	See J-flag discussion above.
Lead/ICP	J	See J-flag discussion above.
Magnesium/ICP*filtered	S,M	MS and/or MSD recoveries outside advisory/acceptance limits. LCS recovery in-limits; indicative of matrix interference as evidenced by M-flag.
Nicke/ICP	J	See J-flag discussion above.

Notes:

Client: Environmental Tech Group
Attn: Jason Henry
Address: 4600 West Wall
Midland Tx 79703
Phone: 915 522-1139 **FAX:** 915 520-4310

Report#/Lab ID#: 121181 **Report Date:** 11/12/01
Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 43
Sample Matrix: water
Date Received: 10/23/2001 **Time:** 14:04
Date Sampled: 10/18/2001 **Time:** 12:25

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	---	---	---	---	10/23/01	3520	---	---	---	---	---
Metals Dig.-Hg	---	---	---	---	10/29/01	7470&245.1	---	---	---	---	---
Metals Dig.-HNO ₃	---	---	---	---	10/23/01	3015	---	---	---	---	---
Metals Dig.-HNO ₃ *filtered	---	---	---	---	10/24/01	3005A	---	---	---	---	---
Total dissolved solids	772	mg/L	1	<1	10/25/01	160.1	---	4.45	-NA-	-NA-	-NA-
TPH by GC (as diesel)	<0.5	mg/L	0.5	<0.5	10/31/01	8015 mod.	---	2.9	100.7	106.4	84.6
TPH by GC (as diesel-ext)	---	---	---	---	10/23/01	3540	---	---	---	---	---
TPH by GC (as gasoline)	<0.5	mg/L	0.5	<0.5	10/31/01	8015 mod.	---	9.2	93.8	94.4	72.2
Aluminum/ICP	40.7	mg/L	0.2	<0.2	11/06/01	6010 & 200.7	---	7.89	106.17	98.81	109.46
Arsenic/ICP	<0.05	mg/L	0.05	<0.05	11/06/01	6010 & 200.7	J	2.57	100.2	104.55	100.99
Barium/ICP	0.88	mg/L	0.01	<0.01	11/06/01	6010 & 200.7	---	2.89	102.94	100.5	106.04
Beryllium/ICP	<0.004	mg/L	0.004	<0.004	11/06/01	6010 & 200.7	---	1.83	104.4	103.75	106.63
Boron/ICP	0.298	mg/L	0.02	<0.02	11/06/01	6010 & 200.7	---	4.74	99.8	104.5	102.82
Cadmium/ICP	<0.005	mg/L	0.005	<0.005	11/06/01	6010 & 200.7	---	2.77	98.12	102.5	101.49
Calcium/ICP*filtered	121	mg/L	10	<10	11/02/01	6010 & 200.7	---	1.67	94.95	99.75	96.71
Chromium/ICP	0.0383	mg/L	0.01	<0.01	11/06/01	6010 & 200.7	---	2.41	100.77	106.5	105.08
Cobalt/ICP	<0.02	mg/L	0.02	<0.02	11/06/01	6010 & 200.7	J	2.67	98.54	103.25	104.3
Copper/ICP	<0.02	mg/L	0.02	<0.02	11/06/01	6010 & 200.7	J	2.75	99.56	98.95	103.06
Iron/ICP	22.6	mg/L	0.05	<0.05	11/06/01	6010 & 200.7	---	4.26	104.32	107.85	106.98
Lead/ICP	<0.02	mg/L	0.02	<0.02	11/06/01	6010 & 200.7	J	3	100.3	109.5	106.22
Magnesium/ICP*filtered	23.3	mg/L	5	<5	11/02/01	6010 & 200.7	S,M	9.1	97.02	106.45	96.94

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.

Client: Environmental Tech Group
Attn: Jason Henry

Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 43

Report#/Lab ID#: 121181
Sample Matrix: water

REPORT OF ANALYSIS-cont.

QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Manganese/ICP	0.473	mg/L	0.01	<0.01	11/06/01	6010 & 200.7	---	2.86	101.27	108	105.7
Mercury/CVAA	<0.0002	mg/L	0.0002	<0.0002	10/30/01	245.1&7470	---	1.8	103.03	100	100
Molybdenum/ICP	<0.02	mg/L	0.02	<0.02	11/06/01	6010 & 200.7	---	2.41	87.95	105.25	89.91
Nickel/ICP	0.0249	mg/L	0.02	<0.02	11/06/01	6010 & 200.7	---	3.01	100.08	108.38	106.39
Potassium/AA *filtered	3.18	mg/L	0.25	<0.25	11/01/01	258.1&7610	---	2.32	128.78	99.04	111.66
Selenium/ICP	<0.05	mg/L	0.05	<0.05	11/06/01	6010 & 200.7	---	3.21	83.33	103.13	85.9
Silver/GFAA	<0.002	mg/L	0.002	<0.002	10/25/01	272.2&7761	---	0	91.74	90	81
Sodium/ICP*filtered	102	mg/L	50	<50	11/02/01	6010 & 200.7	---	3.94	94.77	93.8	97.61
Strontium/ICP	2.35	mg/L	0.05	<0.05	11/06/01	6010 & 200.7	---	2.25	101.63	102.05	107.57
Tin/ICP	<0.05	mg/L	0.05	<0.05	11/06/01	6010 & 200.7	---	0.97	82.9	105	100.41
Vanadium/ICP	0.206	mg/L	0.02	<0.02	11/06/01	6010 & 200.7	---	2.16	105.48	107.9	108.2
Zinc/ICP	0.0559	mg/L	0.01	<0.01	11/06/01	6010 & 200.7	---	3.02	101.24	102.63	105.26
Alkalinity, bicarbonate	410	mg/L	10	<10	10/29/01	SM2320	---	0	-NA-	-NA-	-NA-
Alkalinity, carbonate	<10	mg/L	10	<10	10/29/01	SM2320	---	0	-NA-	-NA-	-NA-
Chloride	121	mg/L	2.5	<2.5	10/25/01	325.2&9251	---	2.4	102.72	107.7	97.1
Sulfate	49.6	mg/L	5	<5	10/26/01	375.4&9038	---	0.32	89.01	89.66	101.92
Extractable organics-PAH	---	---	---	---	11/09/01	8270c	---	-NA-	-NA-	-NA-	-NA-
Volatile organics-8260b/BTEX	---	---	---	---	10/30/01	8260b	---	---	---	---	---
Benzene	5.94	µg/L	1	<1	10/30/01	8260b	---	0.2	86.8	94	85.1
Ethylbenzene	3.8	µg/L	1	<1	10/30/01	8260b	---	4.9	101.6	103	97.2
m,p-Xylenes	9.42	µg/L	1	<1	10/30/01	8260b	---	4.7	96.2	97.2	91.9
o-Xylene	2.76	µg/L	1	<1	10/30/01	8260b	---	4.4	103.6	103.6	99
Toluene	<1	µg/L	1	<1	10/30/01	8260b	---	0.1	92	96.8	89.7
Acenaphthene	<0.05	µg/L	0.05	<0.05	11/09/01	8270c	J	2.5	43.7	84.7	58.2
Acenaphthylene	<0.05	µg/L	0.05	<0.05	11/09/01	8270c	---	11.7	47	82.2	52
Anthracene	<0.05	µg/L	0.05	<0.05	11/09/01	8270c	J	20.9	43.6	81.6	61.6
Benzo[a]anthracene	<0.05	µg/L	0.05	<0.05	11/09/01	8270c	J	22.3	49	97.1	69.4
Benzo[a]pyrene	<0.05	µg/L	0.05	<0.05	11/09/01	8270c	J	15.3	51.3	92.3	73.3
Benzo[b]fluoranthene	<0.05	µg/L	0.05	<0.05	11/09/01	8270c	J	17.4	51.7	94.8	75.3
Benzo[g,h,i]perylene	<0.05	µg/L	0.05	<0.05	11/09/01	8270c	J	14.4	51.5	88	65.9
Benzo[k]fluoranthene	<0.05	µg/L	0.05	<0.05	11/09/01	8270c	J	12.1	53.3	102.3	78
Chrysene	<0.05	µg/L	0.05	<0.05	11/09/01	8270c	J	18.2	47.8	93.5	67.1

Client: Environmental Tech Group
Attn: Jason Henry

Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 43

Report#/Lab ID#: 121181
Sample Matrix: water

REPORT OF ANALYSIS-cont.

QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Dibenz[a,h]anthracene	<0.05	µg/L	0.05	<0.05	11/09/01	8270c	---	14.1	52	89	69.8
Fluoranthene	<0.05	µg/L	0.05	<0.05	11/09/01	8270c	J	28.3	56.4	113.6	87.4
Fluorene	<0.05	µg/L	0.05	<0.05	11/09/01	8270c	J	3.2	46	88	61
Indeno[1,2,3-cd]pyrene	<0.05	µg/L	0.05	<0.05	11/09/01	8270c	J	13.6	51	87.4	68.1
Naphthalene	<0.05	µg/L	0.05	<0.05	11/09/01	8270c	J	12.5	48.2	85.9	62.9
Phenanthrene	<0.05	µg/L	0.05	<0.05	11/09/01	8270c	J	13.3	46	84.5	97.1
Pyrene	<0.05	µg/L	0.05	<0.05	11/09/01	8270c	J	27.9	38.2	82.8	53.3

Client: Environmental Tech Group
Attn: Jason Henry

Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 43

Report#/Lab ID#: 121181
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5 p-Terphenyl	8015 mod.	77	50-150	---
	8015 mod.	100	50-150	---
1,2-Dichloroethane-d4 Toluene-d8	8260b	95.1	80-120	---
	8260b	109	88-110	---
2-Fluorobiphenyl Nitrobenzene-d5 Terphenyl-d14	8270c	43.5	43-116	---
	8270c	37.9	35-114	---
	8270c	44.3	33-141	---

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

Exceptions Report:

Report #/Lab ID#: 121181	Matrix: water	Attn: Jason Henry
Client: Environmental Tech Group		
Project ID: Jimmy Cooper EOT 2074C		
Sample Name: MW 43		

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
Arsenic/ICP	J	See J-flag discussion above.
Cobalt/ICP	J	See J-flag discussion above.
Copper/ICP	J	See J-flag discussion above.
Lead/ICP	J	See J-flag discussion above.
Magnesium/ICP*filtered	S,M	MS and/or MSD recoveries outside advisory/acceptance limits. LCS recovery in-limits; indicative of matrix interference as evidenced by M-flag.
Acenaphthene	J	See J-flag discussion above.
Anthracene	J	See J-flag discussion above.
Benzo[a]anthracene	J	See J-flag discussion above.
Benzo[a]pyrene	J	See J-flag discussion above.
Benzo[b]fluoranthene	J	See J-flag discussion above.
Benzo[g,h,i]perylene	J	See J-flag discussion above.
Benzo[j,k]fluoranthene	J	See J-flag discussion above.
Chrysene	J	See J-flag discussion above.
Fluoranthene	J	See J-flag discussion above.
Fluorene	J	See J-flag discussion above.
Indeno[1,2,3-cd]pyrene	J	See J-flag discussion above.
Naphthalene	J	See J-flag discussion above.
Phenanthrene	J	See J-flag discussion above.
Pyrene	J	See J-flag discussion above.

Exceptions Report:

Report #/Lab ID#: 121181	Matrix: water	Attn: Jason Henry
Client: Environmental Tech Group		
Project ID: Jimmy Cooper EOT 2074C		
Sample Name: MW 43		

Notes:

Client: Environmental Tech Group
Attn: Jason Henry
Address: 4600 West Wall
Midland
Tx 79703
Phone: 915 522-1139 **FAX:** 915 520-4310

Report# / Lab ID#: 121182 **Report Date:** 11/12/01
Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 44
Sample Matrix: water
Date Received: 10/23/2001 **Time:** 14:04
Date Sampled: 10/18/2001 **Time:** 12:15

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA 1

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
A/BN extraction-PAH	---	---	---	---	10/23/01	3520	---	---	---	---	---
Metals Dig.-Hg	---	---	---	---	10/30/01	7470&245.1	---	---	---	---	---
Metals Dig.-HNO3	---	---	---	---	10/23/01	3015	---	---	---	---	---
Metals Dig.-HNO3*filtered	---	---	---	---	10/24/01	3005A	---	---	---	---	---
Total dissolved solids	776	mg/L	1	<1	10/25/01	160.1	---	4.45	-NA-	-NA-	-NA-
TPH by GC (as diesel)	<0.5	mg/L	0.5	<0.5	10/31/01	8015 mod.	---	2.9	100.7	106.4	84.6
TPH by GC (as diesel-ext)	---	---	---	---	10/23/01	3540	---	---	---	---	---
TPH by GC (as gasoline)	<0.5	mg/L	0.5	<0.5	10/31/01	8015 mod.	---	9.2	93.8	94.4	72.2
Aluminum/ICP	21.5	mg/L	0.2	<0.2	11/06/01	6010 & 200.7	---	7.89	106.17	98.81	109.46
Arsenic/ICP	<0.05	mg/L	0.05	<0.05	11/06/01	6010 & 200.7	---	2.57	100.2	104.55	100.99
Barium/ICP	0.276	mg/L	0.01	<0.01	11/06/01	6010 & 200.7	---	2.89	102.94	100.5	106.04
Beryllium/ICP	<0.004	mg/L	0.004	<0.004	11/06/01	6010 & 200.7	---	1.83	104.4	103.75	106.63
Boron/ICP	0.24	mg/L	0.02	<0.02	11/06/01	6010 & 200.7	---	4.74	99.8	104.5	102.82
Cadmium/ICP	<0.005	mg/L	0.005	<0.005	11/06/01	6010 & 200.7	---	2.77	98.12	102.5	101.49
Calcium/ICP*filtered	125	mg/L	10	<10	11/02/01	6010 & 200.7	---	1.67	94.95	99.75	96.71
Chromium/ICP	0.0226	mg/L	0.01	<0.01	11/06/01	6010 & 200.7	---	2.41	100.77	106.5	105.08
Cobalt/ICP	<0.02	mg/L	0.02	<0.02	11/06/01	6010 & 200.7	---	2.67	98.54	103.25	104.3
Copper/ICP	<0.02	mg/L	0.02	<0.02	11/06/01	6010 & 200.7	J	2.75	99.56	98.95	103.06
Iron/ICP	13.3	mg/L	0.05	<0.05	11/06/01	6010 & 200.7	---	4.26	104.32	107.85	106.98
Lead/ICP	<0.02	mg/L	0.02	<0.02	11/06/01	6010 & 200.7	J	3	100.3	109.5	106.22
Magnesium/ICP*filtered	23.1	mg/L	5	<5	11/02/01	6010 & 200.7	S,M	9.1	97.02	106.45	96.94

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.

Client: Environmental Tech Group
Attn: Jason Henry

Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 44

Report#/Lab ID#: 121182
Sample Matrix: water

REPORT OF ANALYSIS-cont.

QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Manganese/ICP	0.347	mg/L	0.01	<0.01	11/06/01	6010 & 200.7	---	2.86	101.27	108	105.7
Mercury/CVAA	<0.0002	mg/L	0.0002	<0.0002	10/31/01	245.1&7470	---	1.82	110.1	93	100
Molybdenum/ICP	<0.02	mg/L	0.02	<0.02	11/06/01	6010 & 200.7	---	2.41	87.95	105.25	89.91
Nickel/ICP	<0.02	mg/L	0.02	<0.02	11/06/01	6010 & 200.7	J	3.01	100.08	108.38	106.39
Potassium/AA*filtered	3.87	mg/L	0.25	<0.25	11/01/01	258.1&7610	---	2.32	128.78	99.04	111.66
Selenium/ICP	<0.05	mg/L	0.05	<0.05	11/06/01	6010 & 200.7	---	3.21	83.33	103.13	85.9
Silver/GFAA	<0.002	mg/L	0.002	<0.002	10/29/01	272.2&7761	---	1.07	84.4	82.5	85
Sodium/ICP*filtered	104	mg/L	50	<50	11/02/01	6010 & 200.7	---	3.94	94.77	93.8	97.61
Strontium/ICP	1.93	mg/L	0.05	<0.05	11/06/01	6010 & 200.7	---	2.25	101.63	102.05	107.57
Tin/ICP	<0.05	mg/L	0.05	<0.05	11/06/01	6010 & 200.7	---	0.97	82.9	105	100.41
Vanadium/ICP	0.089	mg/L	0.02	<0.02	11/06/01	6010 & 200.7	---	2.16	105.48	107.9	108.2
Zinc/ICP	0.0435	mg/L	0.01	<0.01	11/06/01	6010 & 200.7	---	3.02	101.24	102.63	105.26
Alkalinity, bicarbonate	330	mg/L	10	<10	10/29/01	SM2320	---	0	-NA-	-NA-	-NA-
Alkalinity, carbonate	<10	mg/L	10	<10	10/29/01	SM2320	---	0	-NA-	-NA-	-NA-
Chloride	121	mg/L	2.5	<2.5	10/25/01	325.2&9251	---	2.4	102.72	107.7	97.1
Sulfate	119	mg/L	5	<5	10/26/01	375.4&9038	---	0.32	89.01	89.66	101.92
Extractable organics-PAH	---	---	---	---	10/30/01	8270c	---	-NA-	-NA-	-NA-	-NA-
Volatile organics-8260b/BTEX	---	---	---	---	10/30/01	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	10/30/01	8260b	---	0.2	86.8	94	85.1
Ethylbenzene	<1	µg/L	1	<1	10/30/01	8260b	---	4.9	101.6	103	97.2
m,p-Xylenes	<1	µg/L	1	<1	10/30/01	8260b	---	4.7	96.2	97.2	91.9
o-Xylene	<1	µg/L	1	<1	10/30/01	8260b	---	4.4	103.6	103.6	99
Toluene	<1	µg/L	1	<1	10/30/01	8260b	---	0.1	92	96.8	89.7
Acenaphthene	0.196	µg/L	0.05	<0.05	10/30/01	8270c	---	2.5	43.7	84.7	58.2
Acenaphthylene	<0.05	µg/L	0.05	<0.05	10/30/01	8270c	---	11.7	47	82.2	52
Anthracene	0.128	µg/L	0.05	<0.05	10/30/01	8270c	---	20.9	43.6	81.6	61.6
Benzo[a]anthracene	<0.05	µg/L	0.05	<0.05	10/30/01	8270c	---	22.3	49	97.1	69.4
Benzo[a]pyrene	<0.05	µg/L	0.05	<0.05	10/30/01	8270c	---	15.3	51.3	92.3	73.3
Benzo[b]fluoranthene	<0.05	µg/L	0.05	<0.05	10/30/01	8270c	---	17.4	51.7	94.8	75.3
Benzo[g,h,i]perylene	<0.05	µg/L	0.05	<0.05	10/30/01	8270c	---	14.4	51.5	88	65.9
Benzo[j,k]fluoranthene	<0.05	µg/L	0.05	<0.05	10/30/01	8270c	---	12.1	53.3	102.3	78
Chrysene	<0.05	µg/L	0.05	<0.05	10/30/01	8270c	J	18.2	47.8	93.5	67.1

Client: Environmental Tech Group
Attn: Jason Henry

Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 44

Report#/Lab ID#: 121182
Sample Matrix: water

REPORT OF ANALYSIS-cont.

QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Dibenz[a,h]anthracene	<0.05	µg/L	0.05	<0.05	10/30/01	8270c	---	14.1	52	89	69.8
Fluoranthene	0.915	µg/L	0.05	<0.05	10/30/01	8270c	---	28.3	56.4	113.6	87.4
Fluorene	0.427	µg/L	0.05	<0.05	10/30/01	8270c	---	3.2	46	88	61
Indeno[1,2,3-cd]pyrene	<0.05	µg/L	0.05	<0.05	10/30/01	8270c	---	13.6	51	87.4	68.1
Naphthalene	0.83	µg/L	0.05	<0.05	10/30/01	8270c	---	12.5	48.2	85.9	62.9
Phenanthrene	2.58	µg/L	0.05	<0.05	10/30/01	8270c	---	13.3	46	84.5	97.1
Pyrene	0.24	µg/L	0.05	<0.05	10/30/01	8270c	---	27.9	38.2	82.8	53.3



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2209 N. Padre Island Dr., Corpus Christi, TX 7840408
(512) 444-5896 • FAX (512) 447-4766

Client: Environmental Tech Group
Attn: Jason Henry

Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 44

Report#/Lab ID#: 121182
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	90	50-150	---
Nitrobenzene-d5	8015 mod.	87.4	35-114	---
p-Terphenyl	8015 mod.	95	50-150	---
1,2-Dichloroethane-d4	8260b	97.5	80-120	---
Toluene-d8	8260b	110	88-110	---
2-Fluorobiphenyl	8270c	52.6	43-116	---
Terphenyl-d14	8270c	67.1	33-141	---

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

Exceptions Report:

Report #/Lab ID#: 121182	Matrix: water	Attn: Jason Henry
Client: Environmental Tech Group		
Project ID: Jimmy Cooper EOT 2074C		
Sample Name: MW 44		

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
Copper/ICP	J	See J-flag discussion above.
Lead/ICP	J	See J-flag discussion above.
Magnesium/ICP*filtered	S,M	MS and/or MSD recoveries outside advisory/acceptance limits. LCS recovery in-limits; indicative of matrix interference as evidenced by M-flag.
Nickel/ICP	J	See J-flag discussion above.
Chrysene	J	See J-flag discussion above.

Notes:



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(512) 444-5896 • FAX (512) 447-4766

Client: Environmental Tech Group
Attn: Jason Henry
Address: 4600 West Wall
Midland

Tx 79703

Phone: 915 522-1139 FAX: 915 520-4310

Report#/Lab ID#: 121183 Report Date: 11/12/01

Project ID: Jimmy Cooper EOT 2074C

Sample Name: MW 47

Sample Matrix: water

Date Received: 10/23/2001 Time: 14:04

Date Sampled: 10/18/2001 Time: 12:45

REPORT OF ANALYSIS

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
A/BN extraction-PAH	---	---	---	---	10/23/01	3520	---	---	---	---	---
Metals Dig.-Hg	---	---	---	---	10/30/01	7470&245.1	---	---	---	---	---
Metals Dig.-HNO ₃	---	---	---	---	10/24/01	3015	---	---	---	---	---
Metals Dig.-HNO ₃ *filtered	---	---	---	---	10/24/01	3005A	---	---	---	---	---
Total dissolved solids	1130	mg/L	1	<1	10/25/01	160.1	---	4.45	-NA-	-NA-	-NA-
TPH by GC (as diesel)	<0.5	mg/L	0.5	<0.5	10/31/01	8015 mod.	---	2.9	100.7	106.4	84.6
TPH by GC (as diesel-ext)	---	---	---	---	10/23/01	3540	---	---	---	---	---
TPH by GC (as gasoline)	<0.5	mg/L	0.5	<0.5	10/31/01	8015 mod.	---	9.2	93.8	94.4	72.2
Aluminum/ICP	17.7	mg/L	0.2	<0.2	11/06/01	6010 & 200.7	---	7.89	106.17	98.81	109.46
Arsenic/ICP	<0.05	mg/L	0.05	<0.05	11/06/01	6010 & 200.7	---	2.57	100.2	104.55	100.99
Barium/ICP	0.391	mg/L	0.01	<0.01	11/06/01	6010 & 200.7	---	2.89	102.94	100.5	106.04
Beryllium/ICP	<0.004	mg/L	0.004	<0.004	11/06/01	6010 & 200.7	---	1.83	104.4	103.75	106.63
Boron/ICP	0.22	mg/L	0.02	<0.02	11/06/01	6010 & 200.7	---	4.74	99.8	104.5	102.82
Cadmium/ICP	<0.005	mg/L	0.005	<0.005	11/06/01	6010 & 200.7	---	2.77	98.12	102.5	101.49
Calcium/ICP*filtered	146	mg/L	10	<10	11/02/01	6010 & 200.7	---	1.67	94.95	99.75	96.71
Chromium/ICP	0.018	mg/L	0.01	<0.01	11/06/01	6010 & 200.7	---	2.41	100.77	106.5	105.08
Cobalt/ICP	<0.02	mg/L	0.02	<0.02	11/06/01	6010 & 200.7	---	2.67	98.54	103.25	104.3
Copper/ICP	<0.02	mg/L	0.02	<0.02	11/06/01	6010 & 200.7	---	2.75	99.56	98.95	103.06
Iron/ICP	10.1	mg/L	0.05	<0.05	11/06/01	6010 & 200.7	---	4.26	104.32	107.85	106.98
Lead/ICP	<0.02	mg/L	0.02	<0.02	11/06/01	6010 & 200.7	J	3	100.3	109.5	106.22
Magnesium/ICP*filtered	29.7	mg/L	5	<5	11/02/01	6010 & 200.7	S,M	9.1	97.02	106.45	96.94

QUALITY ASSURANCE DATA¹

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.

Client: Environmental Tech Group
Attn: Jason Henry

Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 47

Report#/Lab ID#: 121183
Sample Matrix: water

REPORT OF ANALYSIS-cont.

QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Manganese/ICP	0.471	mg/L	0.01	<0.01	11/06/01	6010 & 200.7	---	2.86	101.27	108	105.7
Mercury/CVAA	<0.0002	mg/L	0.0002	<0.0002	10/31/01	245.1&7470	---	1.82	110.1	93	100
Molybdenum/ICP	<0.02	mg/L	0.02	<0.02	11/06/01	6010 & 200.7	---	2.41	87.95	105.25	89.91
Nickel/ICP	<0.02	mg/L	0.02	<0.02	11/06/01	6010 & 200.7	J	3.01	100.08	108.38	106.39
Potassium/AA*filtered	5.57	mg/L	0.25	<0.25	11/01/01	258.1&7610	---	2.32	128.78	99.04	111.66
Selenium/ICP	<0.05	mg/L	0.05	<0.05	11/06/01	6010 & 200.7	---	3.21	83.33	103.13	85.9
Silver/GFAA	<0.002	mg/L	0.002	<0.002	10/29/01	272.2&7761	---	1.07	84.4	82.5	85
Sodium/ICP*filtered	167	mg/L	50	<50	11/02/01	6010 & 200.7	---	3.94	94.77	93.8	97.61
Strontium/ICP	2.71	mg/L	0.05	<0.05	11/06/01	6010 & 200.7	---	2.25	101.63	102.05	107.57
Tin/ICP	<0.05	mg/L	0.05	<0.05	11/06/01	6010 & 200.7	---	0.97	82.9	105	100.41
Vanadium/ICP	0.0716	mg/L	0.02	<0.02	11/06/01	6010 & 200.7	---	2.16	105.48	107.9	108.2
Zinc/ICP	0.0319	mg/L	0.01	<0.01	11/06/01	6010 & 200.7	---	3.02	101.24	102.63	105.26
Alkalinity, bicarbonate	400	mg/L	10	<10	10/29/01	SM2320	---	0	-NA-	-NA-	-NA-
Alkalinity, carbonate	<10	mg/L	10	<10	10/29/01	SM2320	---	0	-NA-	-NA-	-NA-
Chloride	325	mg/L	2.5	<2.5	10/25/01	325.2&9251	---	2.4	102.72	107.7	97.1
Sulfate	30.4	mg/L	1	<1	10/26/01	375.4&9038	---	0.32	89.01	89.66	101.92
Extractable organics-PAH	---	---	---	---	10/30/01	8270c	---	-NA-	-NA-	-NA-	-NA-
Volatle organics-8260b/BTEX	---	---	---	---	10/30/01	8260b	---	---	---	---	---
Benzene	4.59	µg/L	1	<1	10/30/01	8260b	---	4.1	100.5	89.1	95.8
Ethylbenzene	1.14	µg/L	1	<1	10/30/01	8260b	---	2.6	93.3	93	89.2
m,p-Xylenes	1.6	µg/L	1	<1	10/30/01	8260b	---	4.3	86.1	82.6	82.7
o-Xylene	1.56	µg/L	1	<1	10/30/01	8260b	---	18.9	119.2	94.2	99.6
Toluene	<1	µg/L	1	<1	10/30/01	8260b	---	0.6	101.7	90.6	93.6
Acenaphthene	<0.05	µg/L	0.05	<0.05	10/30/01	8270c	---	2.5	43.7	84.7	58.2
Acenaphthylene	<0.05	µg/L	0.05	<0.05	10/30/01	8270c	J	11.7	47	82.2	52
Anthracene	<0.05	µg/L	0.05	<0.05	10/30/01	8270c	J	20.9	43.6	81.6	61.6
Benzo[a]anthracene	<0.05	µg/L	0.05	<0.05	10/30/01	8270c	---	22.3	49	97.1	69.4
Benzo[a]pyrene	<0.05	µg/L	0.05	<0.05	10/30/01	8270c	---	15.3	51.3	92.3	73.3
Benzo[b]fluoranthene	<0.05	µg/L	0.05	<0.05	10/30/01	8270c	---	17.4	51.7	94.8	75.3
Benzo[g,h,i]perylene	<0.05	µg/L	0.05	<0.05	10/30/01	8270c	---	14.4	51.5	88	65.9
Benzo[k]fluoranthene	<0.05	µg/L	0.05	<0.05	10/30/01	8270c	---	12.1	53.3	102.3	78
Chrysene	<0.05	µg/L	0.05	<0.05	10/30/01	8270c	J	18.2	47.8	93.5	67.1

Client: Environmental Tech Group
Attn: Jason Henry

Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 47

Report#/Lab ID#: 121183
Sample Matrix: water

REPORT OF ANALYSIS-cont.

QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Dibenz[a,h]anthracene	<0.05	µg/L	0.05	<0.05	10/30/01	8270c	---	14.1	52	89	69.8
Fluoranthene	0.362	µg/L	0.05	<0.05	10/30/01	8270c	---	28.3	56.4	113.6	87.4
Fluorene	0.297	µg/L	0.05	<0.05	10/30/01	8270c	---	3.2	46	88	61
Indeno[1,2,3-cd]pyrene	<0.05	µg/L	0.05	<0.05	10/30/01	8270c	---	13.6	51	87.4	68.1
Naphthalene	0.924	µg/L	0.05	<0.05	10/30/01	8270c	---	12.5	48.2	85.9	62.9
Phenanthrene	1.34	µg/L	0.05	<0.05	10/30/01	8270c	---	13.3	46	84.5	97.1
Pyrene	0.088	µg/L	0.05	<0.05	10/30/01	8270c	---	27.9	38.2	82.8	53.3

Client: Environmental Tech Group
Attn: Jason Henry

Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 47

Report#/Lab ID#: 121183
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	65	50-150	---
Nitrobenzene-d5	8015 mod.	94.7	35-114	---
p-Terphenyl	8015 mod.	107	50-150	---
1,2-Dichloroethane-d4	8260b	94.8	80-120	---
Toluene-d8	8260b	94.9	88-110	---
2-Fluorobiphenyl	8270c	60.6	43-116	---
Terphenyl-d14	8270c	77.3	33-141	---

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

Exceptions Report:

Report #/Lab ID#: 121183 Matrix: water
Client: Environmental Tech Group Attn: Jason Henry
Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 47

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
Lead/ICP	J	See J-flag discussion above.
Magnesium/ICP*filtered	S,M	MS and/or MSD recoveries outside advisory/acceptance limits. LCS recovery in-limits; indicative of matrix interference as evidenced by M-flag.
Nickel/ICP	J	See J-flag discussion above.
Acenaphthylene	J	See J-flag discussion above.
Anthracene	J	See J-flag discussion above.
Chrysene	J	See J-flag discussion above.

Notes:

Client: Environmental Tech Group

Attn: Jason Henry

Address: 4600 West Wall

Midland

Tx 79703

Phone: 915 522-1139

FAX: 915 520-4310

Report#/Lab ID#: 121184 **Report Date:** 11/12/01

Project ID: Jimmy Cooper EOT 2074C

Sample Name: MW 48

Sample Matrix: water

Date Received: 10/23/2001 **Time:** 14:04

Date Sampled: 10/18/2001 **Time:** 14:10

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	---	---	---	---	10/23/01	3520	---	---	---	---	---
Metals Dig.-Hg	---	---	---	---	10/30/01	7470&245.1	---	---	---	---	---
Metals Dig.-HNO ₃	---	---	---	---	10/24/01	3015	---	---	---	---	---
Metals Dig.-HNO ₃ *filtered	---	---	---	---	10/24/01	3005A	---	---	---	---	---
Total dissolved solids	730	mg/L	1	<1	10/25/01	160.1	---	4.45	-NA-	-NA-	-NA-
TPH by GC (as diesel)	<0.5	mg/L	0.5	<0.5	10/31/01	8015 mod.	---	2.9	100.7	106.4	84.6
TPH by GC (as diesel-ext)	---	---	---	---	10/23/01	3540	---	---	---	---	---
TPH by GC (as gasoline)	<0.5	mg/L	0.5	<0.5	10/31/01	8015 mod.	---	9.2	93.8	94.4	72.2
Aluminum/ICP	42.3	mg/L	0.2	<0.2	11/06/01	6010 & 200.7	---	7.89	106.17	98.81	109.46
Arsenic/ICP	<0.05	mg/L	0.05	<0.05	11/06/01	6010 & 200.7	J	2.57	100.2	104.55	100.99
Barium/ICP	0.645	mg/L	0.01	<0.01	11/06/01	6010 & 200.7	---	2.89	102.94	100.5	106.04
Beryllium/ICP	<0.004	mg/L	0.004	<0.004	11/06/01	6010 & 200.7	J	1.83	104.4	103.75	106.63
Boron/ICP	0.241	mg/L	0.02	<0.02	11/06/01	6010 & 200.7	---	4.74	99.8	104.5	102.82
Cadmium/ICP	<0.005	mg/L	0.005	<0.005	11/06/01	6010 & 200.7	---	2.77	98.12	102.5	101.49
Calcium/ICP*filtered	127	mg/L	10	<10	11/02/01	6010 & 200.7	---	1.67	94.95	99.75	96.71
Chromium/ICP	0.0511	mg/L	0.01	<0.01	11/06/01	6010 & 200.7	---	2.41	100.77	106.5	105.08
Cobalt/ICP	<0.02	mg/L	0.02	<0.02	11/06/01	6010 & 200.7	J	2.67	98.54	103.25	104.3
Copper/ICP	<0.02	mg/L	0.02	<0.02	11/06/01	6010 & 200.7	J	2.75	99.56	98.95	103.06
Iron/ICP	27	mg/L	0.05	<0.05	11/06/01	6010 & 200.7	---	4.26	104.32	107.85	106.98
Lead/ICP	<0.02	mg/L	0.02	<0.02	11/06/01	6010 & 200.7	J	3	100.3	109.5	106.22
Magnesium/ICP*filtered	23.4	mg/L	5	<5	11/02/01	6010 & 200.7	S,M	9.1	97.02	106.45	96.94

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.

Client: Environmental Tech Group
Attn: Jason Henry

Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 48

Report#/Lab ID#: 121184
Sample Matrix: water

REPORT OF ANALYSIS-cont.

QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Manganese/ICP	0.834	mg/L	0.01	<0.01	11/06/01	6010 & 200.7	---	2.86	101.27	108	105.7
Mercury/CVAA	<0.0002	mg/L	0.0002	<0.0002	10/31/01	245.1&7470	---	1.82	110.1	93	100
Molybdenum/ICP	<0.02	mg/L	0.02	<0.02	11/06/01	6010 & 200.7	---	2.41	87.95	105.25	89.91
Nickel/ICP	0.0387	mg/L	0.02	<0.02	11/06/01	6010 & 200.7	---	3.01	100.08	108.38	106.39
Potassium/AA*filtered	4.41	mg/L	0.25	<0.25	11/01/01	258.1&7610	---	2.32	128.78	99.04	111.66
Selenium/ICP	<0.05	mg/L	0.05	<0.05	11/06/01	6010 & 200.7	---	3.21	83.33	103.13	85.9
Silver/GFAA	<0.002	mg/L	0.002	<0.002	10/29/01	272.2&7761	---	1.07	84.4	82.5	85
Sodium/ICP*filtered	97.3	mg/L	50	<50	11/02/01	6010 & 200.7	---	3.94	94.77	93.8	97.61
Strontium/ICP	3.59	mg/L	0.05	<0.05	11/06/01	6010 & 200.7	---	2.25	101.63	102.05	107.57
Tin/ICP	<0.05	mg/L	0.05	<0.05	11/06/01	6010 & 200.7	---	0.97	82.9	105	100.41
Vanadium/ICP	0.158	mg/L	0.02	<0.02	11/06/01	6010 & 200.7	---	2.16	105.48	107.9	108.2
Zinc/ICP	0.0881	mg/L	0.01	<0.01	11/06/01	6010 & 200.7	---	3.02	101.24	102.63	105.26
Alkalinity, bicarbonate	410	mg/L	10	<10	10/29/01	SM2320	---	0	-NA-	-NA-	-NA-
Alkalinity, carbonate	<10	mg/L	10	<10	10/29/01	SM2320	---	0	-NA-	-NA-	-NA-
Chloride	134	mg/L	2.5	<2.5	10/25/01	325.2&9251	---	2.4	102.72	107.7	97.1
Sulfate	43.9	mg/L	1	<1	10/26/01	375.4&9038	---	0.32	89.01	89.66	101.92
Extractable organics-PAH	---	---	---	---	10/30/01	8270c	---	-NA-	-NA-	-NA-	-NA-
Volatile organics-8260b/BTEX	---	---	---	---	10/30/01	8260b	---	---	---	---	---
Benzene	3.64	µg/L	1	<1	10/30/01	8260b	---	0.2	86.8	94	85.1
Ethylbenzene	6.07	µg/L	1	<1	10/30/01	8260b	---	4.9	101.6	103	97.2
m,p-Xylenes	15.2	µg/L	1	<1	10/30/01	8260b	---	4.7	96.2	97.2	91.9
o-Xylene	4.56	µg/L	1	<1	10/30/01	8260b	---	4.4	103.6	103.6	99
Toluene	<1	µg/L	1	<1	10/30/01	8260b	---	0.1	92	96.8	89.7
Acenaphthene	0.421	µg/L	0.05	<0.05	10/30/01	8270c	---	2.5	43.7	84.7	58.2
Acenaphthylene	0.26	µg/L	0.05	<0.05	10/30/01	8270c	---	11.7	47	82.2	52
Anthracene	0.214	µg/L	0.05	<0.05	10/30/01	8270c	---	20.9	43.6	81.6	61.6
Benzo[a]anthracene	<0.05	µg/L	0.05	<0.05	10/30/01	8270c	J	22.3	49	97.1	69.4
Benzo[a]pyrene	<0.05	µg/L	0.05	<0.05	10/30/01	8270c	---	15.3	51.3	92.3	73.3
Benzo[b]fluoranthene	<0.05	µg/L	0.05	<0.05	10/30/01	8270c	---	17.4	51.7	94.8	75.3
Benzo[g,h,i]perylene	<0.05	µg/L	0.05	<0.05	10/30/01	8270c	---	14.4	51.5	88	65.9
Benzo[j,k]fluoranthene	<0.05	µg/L	0.05	<0.05	10/30/01	8270c	---	12.1	53.3	102.3	78
Chrysene	0.187	µg/L	0.05	<0.05	10/30/01	8270c	---	18.2	47.8	93.5	67.1

Client: Environmental Tech Group
Attn: Jason Henry

Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 48

Report#/Lab ID#: 121184
Sample Matrix: water

REPORT OF ANALYSIS-cont.

QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Dibenz[a,h]anthracene	<0.05	µg/L	0.05	<0.05	10/30/01	8270c	---	14.1	52	89	69.8
Fluoranthene	0.146	µg/L	0.05	<0.05	10/30/01	8270c	---	28.3	56.4	113.6	87.4
Fluorene	1.69	µg/L	0.05	<0.05	10/30/01	8270c	---	3.2	46	88	61
Indeno[1,2,3-cd]pyrene	<0.05	µg/L	0.05	<0.05	10/30/01	8270c	---	13.6	51	87.4	68.1
Naphthalene	2.4	µg/L	0.05	<0.05	10/30/01	8270c	---	12.5	48.2	85.9	62.9
Phenanthrene	2.65	µg/L	0.05	<0.05	10/30/01	8270c	---	13.3	46	84.5	97.1
Pyrene	0.054	µg/L	0.05	<0.05	10/30/01	8270c	---	27.9	38.2	82.8	53.3

Client: Environmental Tech Group
Attn: Jason Henry

Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 48

Report#/Lab ID#: 121184
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	79	50-150	---
Nitrobenzene-d5	8015 mod.	86.9	35-114	---
p-Terphenyl	8015 mod.	74	50-150	---
1,2-Dichloroethane-d4	8260b	105	80-120	---
Toluene-d8	8260b	107	88-110	---
2-Fluorobiphenyl	8270c	66.9	43-116	---
Terphenyl-d14	8270c	77.8	33-141	---

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

Exceptions Report:

Report #/Lab ID#: 121184	Matrix: water	Attn: Jason Henry
Client: Environmental Tech Group		
Project ID: Jimmy Cooper EOT 2074C		
Sample Name: MW 48		

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
Arsenic/ICP	J	See J-flag discussion above.
Beryllium/ICP	J	See J-flag discussion above.
Cobalt/ICP	J	See J-flag discussion above.
Copper/ICP	J	See J-flag discussion above.
Lead/ICP	J	See J-flag discussion above.
Magnesium/ICP*filtered	S,M	MS and/or MSD recoveries outside advisory/acceptance limits. LCS recovery in-limits; indicative of matrix interference as evidenced by M-flag.
Benzo[a]anthracene	J	See J-flag discussion above.

Notes:

Client: Environmental Tech Group
Attn: Jason Henry
Address: 4600 West Wall
Midland

Tx 79703

Phone: 915 522-1139 **FAX:** 915 520-4310

Report#/Lab ID#: 121185 **Report Date:** 11/12/01

Project ID: Jimmy Cooper EOT 2074C

Sample Name: MW 49

Sample Matrix: water

Date Received: 10/23/2001 **Time:** 14:04

Date Sampled: 10/18/2001 **Time:** 13:50

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA 1

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
A/BN extraction-PAH	---	---	---	---	10/23/01	3520	---	---	---	---	---
Metals Dig.-Hg	---	---	---	---	10/30/01	7470&245.1	---	---	---	---	---
Metals Dig.-HNO ₃	---	---	---	---	10/24/01	3015	---	---	---	---	---
Metals Dig.-HNO ₃ *filtered	---	---	---	---	10/24/01	3005A	---	---	---	---	---
Total dissolved solids	1120	mg/L	1	<1	10/25/01	160.1	---	4.45	-NA-	-NA-	-NA-
TPH by GC (as diesel)	<0.5	mg/L	0.5	<0.5	10/31/01	8015 mod.	---	2.9	100.7	106.4	84.6
TPH by GC (as diesel-ext)	---	---	---	---	10/23/01	3540	---	---	---	---	---
TPH by GC (as gasoline)	<0.5	mg/L	0.5	<0.5	10/31/01	8015 mod.	---	9.2	93.8	94.4	72.2
Aluminum/ICP	51.4	mg/L	0.2	<0.2	11/06/01	6010 & 200.7	---	7.89	106.17	98.81	109.46
Arsenic/ICP	<0.05	mg/L	0.05	<0.05	11/06/01	6010 & 200.7	J	2.57	100.2	104.55	100.99
Barium/ICP	0.483	mg/L	0.01	<0.01	11/06/01	6010 & 200.7	---	2.89	102.94	100.5	106.04
Beryllium/ICP	<0.004	mg/L	0.004	<0.004	11/06/01	6010 & 200.7	J	1.83	104.4	103.75	106.63
Boron/ICP	0.207	mg/L	0.02	<0.02	11/06/01	6010 & 200.7	---	4.74	99.8	104.5	102.82
Cadmium/ICP	<0.005	mg/L	0.005	<0.005	11/06/01	6010 & 200.7	---	2.77	98.12	102.5	101.49
Calcium/ICP*filtered	143	mg/L	10	<10	11/02/01	6010 & 200.7	---	1.67	94.95	99.75	96.71
Chromium/ICP	0.0488	mg/L	0.01	<0.01	11/06/01	6010 & 200.7	---	2.41	100.77	106.5	105.08
Cobalt/ICP	<0.02	mg/L	0.02	<0.02	11/06/01	6010 & 200.7	J	2.67	98.54	103.25	104.3
Copper/ICP	<0.02	mg/L	0.02	<0.02	11/06/01	6010 & 200.7	J	2.75	99.56	98.95	103.06
Iron/ICP	30.5	mg/L	0.05	<0.05	11/06/01	6010 & 200.7	---	4.26	104.32	107.85	106.98
Lead/ICP	<0.02	mg/L	0.02	<0.02	11/06/01	6010 & 200.7	J	3	100.3	109.5	106.22
Magnesium/ICP*filtered	25.7	mg/L	5	<5	11/02/01	6010 & 200.7	S,M	9.1	97.02	106.45	96.94

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.

Client: Environmental Tech Group
Attn: Jason Henry

Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 49

Report#/Lab ID#: 121185
Sample Matrix: water

REPORT OF ANALYSIS-cont.

QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Manganese/ICP	0.963	mg/L	0.01	<0.01	11/06/01	6010 & 200.7	---	2.86	101.27	108	105.7
Mercury/CVAA	<0.0002	mg/L	0.0002	<0.0002	10/31/01	245.1&7470	---	1.82	110.1	93	100
Molybdenum/ICP	<0.02	mg/L	0.02	<0.02	11/06/01	6010 & 200.7	---	2.41	87.95	105.25	89.91
Nickel/ICP	0.0321	mg/L	0.02	<0.02	11/06/01	6010 & 200.7	---	3.01	100.08	108.38	106.39
Potassium/AA*filtered	5.46	mg/L	0.25	<0.25	11/01/01	258.1&7610	---	2.32	128.78	99.04	111.66
Selenium/ICP	<0.05	mg/L	0.05	<0.05	11/06/01	6010 & 200.7	---	3.21	83.33	103.13	85.9
Silver/GFAA	<0.002	mg/L	0.002	<0.002	10/29/01	272.2&7761	---	1.07	84.4	82.5	85
Sodium/ICP*filtered	189	mg/L	50	<50	11/02/01	6010 & 200.7	---	3.94	94.77	93.8	97.61
Strontium/ICP	2.47	mg/L	0.05	<0.05	11/06/01	6010 & 200.7	---	2.25	101.63	102.05	107.57
Tin/ICP	<0.05	mg/L	0.05	<0.05	11/06/01	6010 & 200.7	---	0.97	82.9	105	100.41
Vanadium/ICP	0.146	mg/L	0.02	<0.02	11/06/01	6010 & 200.7	---	2.16	105.48	107.9	108.2
Zinc/ICP	0.0872	mg/L	0.01	<0.01	11/06/01	6010 & 200.7	---	3.02	101.24	102.63	105.26
Alkalinity, bicarbonate	400	mg/L	10	<10	10/29/01	SM2320	---	0	-NA-	-NA-	-NA-
Alkalinity, carbonate	<10	mg/L	10	<10	10/29/01	SM2320	---	0	-NA-	-NA-	-NA-
Chloride	326	mg/L	2.5	<2.5	10/25/01	325.2&9251	---	2.4	102.72	107.7	97.1
Sulfate	62.3	mg/L	2	<2	10/26/01	375.4&9038	---	0.32	89.01	89.66	101.92
Extractable organics-PAH	---	---	---	---	10/30/01	8270c	---	-NA-	-NA-	-NA-	-NA-
Volatile organics-8260b/BTEX	---	---	---	---	10/30/01	8260b	---	---	---	---	---
Benzene	8.27	µg/L	1	<1	10/30/01	8260b	---	4.1	100.5	89.1	95.8
Ethylbenzene	4.37	µg/L	1	<1	10/30/01	8260b	---	2.6	93.3	93	89.2
m,p-Xylenes	13.2	µg/L	1	<1	10/30/01	8260b	---	4.3	86.1	82.6	82.7
o-Xylene	3.13	µg/L	1	<1	10/30/01	8260b	---	18.9	119.2	94.2	99.6
Toluene	<1	µg/L	1	<1	10/30/01	8260b	---	0.6	101.7	90.6	93.6
Acenaphthene	0.066	µg/L	0.05	<0.05	10/30/01	8270c	---	2.5	43.7	84.7	58.2
Acenaphthylene	<0.05	µg/L	0.05	<0.05	10/30/01	8270c	---	11.7	47	82.2	52
Anthracene	<0.05	µg/L	0.05	<0.05	10/30/01	8270c	J	20.9	43.6	81.6	61.6
Benzo[a]anthracene	<0.05	µg/L	0.05	<0.05	10/30/01	8270c	---	22.3	49	97.1	69.4
Benzo[a]pyrene	<0.05	µg/L	0.05	<0.05	10/30/01	8270c	---	15.3	51.3	92.3	73.3
Benzo[b]fluoranthene	<0.05	µg/L	0.05	<0.05	10/30/01	8270c	---	17.4	51.7	94.8	75.3
Benzo[g,h,i]perylene	<0.05	µg/L	0.05	<0.05	10/30/01	8270c	---	14.4	51.5	88	65.9
Benzo[j,k]fluoranthene	<0.05	µg/L	0.05	<0.05	10/30/01	8270c	---	12.1	53.3	102.3	78
Chrysene	<0.05	µg/L	0.05	<0.05	10/30/01	8270c	---	18.2	47.8	93.5	67.1

Client: Environmental Tech Group
Attn: Jason Henry

Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 49

Report#/Lab ID#: 121185
Sample Matrix: water

REPORT OF ANALYSIS-cont.

QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Dibenz[a,h]anthracene	<0.05	µg/L	0.05	<0.05	10/30/01	8270c	---	14.1	52	89	69.8
Fluoranthene	0.334	µg/L	0.05	<0.05	10/30/01	8270c	---	28.3	56.4	113.6	87.4
Fluorene	0.217	µg/L	0.05	<0.05	10/30/01	8270c	---	3.2	46	88	61
Indeno[1,2,3-cd]pyrene	<0.05	µg/L	0.05	<0.05	10/30/01	8270c	---	13.6	51	87.4	68.1
Naphthalene	0.367	µg/L	0.05	<0.05	10/30/01	8270c	---	12.5	48.2	85.9	62.9
Phenanthrene	1.33	µg/L	0.05	<0.05	10/30/01	8270c	---	13.3	46	84.5	97.1
Pyrene	0.079	µg/L	0.05	<0.05	10/30/01	8270c	---	27.9	38.2	82.8	53.3

Client: Environmental Tech Group
Attn: Jason Henry

Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 49

Report#/Lab ID#: 121185
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	80	50-150	---
Nitrobenzene-d5	8015 mod.	83.9	35-114	---
p-Terphenyl	8015 mod.	92	50-150	---
1,2-Dichloroethane-d4	8260b	97.1	80-120	---
Toluene-d8	8260b	92.7	88-110	---
2-Fluorobiphenyl	8270c	55.1	43-116	---
Terphenyl-d14	8270c	78.3	33-141	---

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

Exceptions Report:

Report #/Lab ID#: 121185	Matrix: water	Attn: Jason Henry
Client: Environmental Tech Group		
Project ID: Jimmy Cooper EOT 2074C		
Sample Name: MW 49		

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
Arsenic/ICP	J	See J-flag discussion above.
Beryllium/ICP	J	See J-flag discussion above.
Cobalt/ICP	J	See J-flag discussion above.
Copper/ICP	J	See J-flag discussion above.
Lead/ICP	J	See J-flag discussion above.
Magnesium/ICP*filtered	S,M	MS and/or MSD recoveries outside advisory/acceptance limits. LCS recovery in-limits; indicative of matrix interference as evidenced by M-flag.
Anthracene	J	See J-flag discussion above.

Notes:

CHAIN-OF-CUSTODY

Send Reports To:

Company Name E.T.G.I.
Address 5600 West Wall
City Midland State TX Zip 79703
ATTN: Jason Henry
Phone (915) 522 1139 Fax (915) 522-4131

Bill to (if different):

Company Name ECO 11
 Address _____
 City _____ State _____ Zip _____
 ATTN: _____
 Phone _____ Fax _____

Rush Status (must be confirmed with lab mgr.):

Project Name/PO#: Jimmy Cooper Sampler: Simon-Casas
EOT 2074C

FOR 2074C

Client Sample No. Description/Identification	Date Sampled	Time Sampled	No. of Containers	Soil	Water	Waste	Lab I.D. # (Lab only)
MW 32	10/18/01	1430	9		✓		121171
MW 34		1335			✓		121172
MW 35		1150					121173
MW 36		1400					121174
MW 37		1300					121175
MW 38		1445					121176
MW 39		1105					121177
MW 40		1125					121178
MW 41		1140					121179
MW 42	✓	1115	✓		✓		121180

(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 (MIDL/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.

Sample Relinquished By			Sample Received By		
Name	Affiliation	Date	Name	Affiliation	Date
Samuel Carter	STG-I	10-22-01	Mr. Denise Humphrey	ASL	10/23/01

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

20

CHAIN-OF-CUSTODY

Send Reports To:

Company Name E. T. G. I.

Address 4600 West Wall

City/Mail And State TX Zip 79703

ATTN: Jason Henry

Phone (915) 572 1139 Fax (915) 520-4310

Rush Status (must be confirmed with lab mgr).

Project Name/PO#: Jimmy Gordon

Est 2074C

Bill to (if different):

Company Name E011

Address

City _____ State _____ Zip _____

ATTN:

Phone _____ Fax _____

0

Project Name/P.#.: 1000 Carson Sampled

Est 2074C

Analyses Requested (1)

Please attach explanatory information as required

[illegible]

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.

Temp 0.0°C

Sample Relinquished By				Sample Received By			
Name	Affiliation	Date	Time	Name	Affiliation	Date	Time
Amanjass	BTGT	10-22-01	1200	Malanie Humphrey	ASI	10/23/01	1404

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

Client: Environmental Tech Group
Attn: Britt Byerly
Address: 4600 West Wall
Midland Tx 79703
Phone: (915) 522-1139 **FAX:** (915) 520-4310

Report#/Lab ID#: 123942 **Report Date:** 01/07/02
Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 31
Sample Matrix: water
Date Received: 12/18/2001 **Time:** 10:10
Date Sampled: 12/14/2001 **Time:** 13:30

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)	<0.5	mg/L	0.5	<0.5	12/28/01	8015 mod.	---	4.8	70.1	114.2	78.8
TPH by GC (as diesel-ext)	---	---	---	---	12/20/01	3540	---	---	---	---	---
TPH by GC (as gasoline)	<0.5	mg/L	0.5	<0.5	12/28/01	8015 mod.	---	6.9	74.9	114.5	109.5
Volatile organics-8260b/BTEX	---	---	---	---	12/22/01	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	12/22/01	8260b	---	1.3	98.9	101.2	101.5
Ethylbenzene	<1	µg/L	1	<1	12/22/01	8260b	---	1.9	91.3	92.7	92.6
m,p-Xylenes	<1	µg/L	1	<1	12/22/01	8260b	---	2.7	93.1	93.8	94
o-Xylene	<1	µg/L	1	<1	12/22/01	8260b	---	2.1	94.1	94.8	94.6
Toluene	<1	µg/L	1	<1	12/22/01	8260b	---	0.7	103.7	105.6	106.9

QUALITY ASSURANCE DATA¹

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.

Client: Environmental Tech Group

Attn: Britt Byerly

Address: 4600 West Wall

Midland

Tx 79703

Phone: (915) 522-1139 **FAX:** (915) 520-4310

Report#/Lab ID#: 123922 **Report Date:** 01/07/02

Project ID: Jimmy Cooper EOT 2074C

Sample Name: MW 2

Sample Matrix: water

Date Received: 12/18/2001 **Time:** 10:10

Date Sampled: 12/14/2001 **Time:** 10:15

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
TPH by GC (as diesel)	3.27	mg/L	0.5	<0.5	12/28/01	8015 mod.	---	19.5	103.8	112.1	80.6
TPH by GC (as diesel-ext)	---	---	---	---	12/20/01	3540	---	---	---	---	---
TPH by GC (as gasoline)	<0.5	mg/L	0.5	<0.5	12/28/01	8015 mod.	J	2.9	122.8	112.9	108.2
Volatiles organics-8260b/BTEX	---	---	---	---	12/21/01	8260b	---	---	---	---	---
Benzene	4.36	µg/L	1	<1	12/21/01	8260b	---	3.4	91.5	96.9	87.6
Ethylbenzene	<1	µg/L	1	<1	12/21/01	8260b	---	1.6	92.1	93.7	85.5
m,p-Xylenes	<1	µg/L	1	<1	12/21/01	8260b	J	4.5	85.8	87.4	79.1
o-Xylene	<1	µg/L	1	<1	12/21/01	8260b	---	2.2	97	94.9	88.6
Toluene	<1	µg/L	1	<1	12/21/01	8260b	---	3.2	92.6	92.8	85.8

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Respectfully Submitted,

Richard Laster

Richard Laster

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Client: Environmental Tech Group
Attn: Britt Byerly

Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 2

Report#/Lab ID#: 123922
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	144	50-150	---
p-Terphenyl	8015 mod.	107	50-150	---
1,2-Dichloroethane-d4	8260b	83.6	80-120	---
Toluene-d8	8260b	96.4	88-110	---

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

Exceptions Report:

Report #/Lab ID#: 123922	Matrix: water	Attn: Britt Byerly
Client: Environmental Tech Group		
Project ID: Jimmy Cooper EOT 2074C		
Sample Name: MW 2		

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
TPH by GC (as gasoline)	J	See J-flag discussion above.
m,p-Xylenes	J	See J-flag discussion above.

Notes:

Client: Environmental Tech Group
Attn: Britt Byerly
Address: 4600 West Wall
Midland Tx 79703
Phone: (915) 522-1139 **FAX:** (915) 520-4310

Report#/Lab ID#: 123923 **Report Date:** 01/07/02
Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 3
Sample Matrix: water
Date Received: 12/18/2001 **Time:** 10:10
Date Sampled: 12/14/2001 **Time:** 10:30

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)	12.9	mg/L	0.5	<0.5	12/28/01	8015 mod.	---	19.5	103.8	112.1	80.6
TPH by GC (as diesel-ext)	---	---	---	---	12/20/01	3540	---	---	---	---	---
TPH by GC (as gasoline)	13.2	mg/L	0.5	<0.5	12/28/01	8015 mod.	---	2.9	122.8	112.9	108.2
Volatile organics-8260b/BTEX	---	---	---	---	12/24/01	8260b	---	---	---	---	---
Benzene	757	µg/L	50	<50	12/21/01	8260b	---	3.4	91.5	96.9	87.6
Ethylbenzene	151	µg/L	50	<50	12/21/01	8260b	---	1.6	92.1	93.7	85.5
m,p-Xylenes	360	µg/L	50	<50	12/21/01	8260b	---	4.5	85.8	87.4	79.1
o-Xylene	62.4	µg/L	50	<50	12/21/01	8260b	---	2.2	97	94.9	88.6
Toluene	1.34	µg/L	1	<1	12/24/01	8260b	---	3.2	92.6	92.8	85.8

QUALITY ASSURANCE DATA¹

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Respectfully Submitted,

Richard Laster

Richard Laster

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Client: Environmental Tech Group
Attn: Britt Byerly

Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 3

Report#/Lab ID#: 123923
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5 p-Terphenyl	8015 mod.	103	50-150	---
	8015 mod.	122	50-150	---
1,2-Dichloroethane-d4 Toluene-d8	8260b	80.6	80-120	---
	8260b	88.5	88-110	---

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

Client: Environmental Tech Group
Attn: Britt Byerly
Address: 4600 West Wall
Midland
Tx 79703
Phone: (915) 522-1139 **FAX:** (915) 520-4310

Report#/Lab ID#: 123924 **Report Date:** 01/07/02
Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 4
Sample Matrix: water
Date Received: 12/18/2001 **Time:** 10:10
Date Sampled: 12/14/2001 **Time:** 10:40

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
TPH by GC (as diesel)	<0.5	mg/L	0.5	<0.5	12/28/01	8015 mod.	---	19.5	103.8	112.1	80.6
TPH by GC (as diesel-ext)	---	---	---	---	12/20/01	3540	---	---	---	---	---
TPH by GC (as gasoline)	4.43	mg/L	0.5	<0.5	12/28/01	8015 mod.	---	2.9	122.8	112.9	108.2
Volatiles organics-8260b/BTEX	---	---	---	---	12/21/01	8260b	---	---	---	---	---
Benzene	248	µg/L	50	<50	12/21/01	8260b	---	3.4	91.5	96.9	87.6
Ethylbenzene	321	µg/L	50	<50	12/21/01	8260b	---	1.6	92.1	93.7	85.5
m,p-Xylenes	1000	µg/L	50	<50	12/21/01	8260b	---	4.5	85.8	87.4	79.1
o-Xylene	409	µg/L	50	<50	12/21/01	8260b	---	2.2	97	94.9	88.6
Toluene	71.4	µg/L	50	<50	12/21/01	8260b	---	3.2	92.6	92.8	85.8

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Client: Environmental Tech Group
Attn: Britt Byerly

Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 4

Report#/Lab ID#: 123924
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5 p-Terphenyl	8015 mod.	94	50-150	---
	8015 mod.	112	50-150	---
1,2-Dichloroethane-d4 Toluene-d8	8260b	105	80-120	---
	8260b	93.4	88-110	---

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

Client: Environmental Tech Group
Attn: Britt Byerly
Address: 4600 West Wall
Midland Tx 79703
Phone: (915) 522-1139 **FAX:** (915) 520-4310

Report#/Lab ID#: 123925 **Report Date:** 01/07/02
Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 5
Sample Matrix: water
Date Received: 12/18/2001 **Time:** 10:10
Date Sampled: 12/14/2001 **Time:** 10:00

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
TPH by GC (as diesel)	8.07	mg/L	0.5	<0.5	12/28/01	8015 mod.	---	19.5	103.8	112.1	80.6
TPH by GC (as diesel-ext)	---	---	---	---	12/20/01	3540	---	---	---	---	---
TPH by GC (as gasoline)	7.23	mg/L	0.5	<0.5	12/28/01	8015 mod.	---	2.9	122.8	112.9	108.2
Volatile organics-8260b/BTEX	---	---	---	---	12/24/01	8260b	---	---	---	---	---
Benzene	2.16	µg/L	1	<1	12/24/01	8260b	---	1.3	98.9	101.2	101.5
Ethylbenzene	32.2	µg/L	1	<1	12/24/01	8260b	---	1.9	91.3	92.7	92.6
m,p-Xylenes	156	µg/L	1	<1	12/24/01	8260b	---	2.7	93.1	93.8	94
o-Xylene	66.2	µg/L	1	<1	12/24/01	8260b	---	2.1	94.1	94.8	94.6
Toluene	1.19	µg/L	1	<1	12/24/01	8260b	---	0.7	103.7	105.6	106.9

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Client: Environmental Tech Group
Attn: Britt Byerly

Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 5

Report#/Lab ID#: 123925
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5 p-Terphenyl	8015 mod.	108	50-150	---
	8015 mod.	137	50-150	---
1,2-Dichloroethane-d4 Toluene-d8	8260b	114	80-120	---
	8260b	106	88-110	---

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

Client: Environmental Tech Group
Attn: Britt Byerly
Address: 4600 West Wall
Midland Tx 79703
Phone: (915) 522-1139 **FAX:** (915) 520-4310

Report#/Lab ID#: 123926 **Report Date:** 01/07/02
Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 6
Sample Matrix: water
Date Received: 12/18/2001 **Time:** 10:10
Date Sampled: 12/14/2001 **Time:** 09:45

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
TPH by GC (as diesel)	<0.5	mg/L	0.5	<0.5	12/28/01	8015 mod.	J	19.5	103.8	112.1	80.6
TPH by GC (as diesel-ext)	---	---	---	---	12/20/01	3540	---	---	---	---	---
TPH by GC (as gasoline)	<0.5	mg/L	0.5	<0.5	12/28/01	8015 mod.	---	2.9	122.8	112.9	108.2
Volatile organics-8260b/BTEX	---	---	---	---	12/24/01	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	12/24/01	8260b	---	1.3	98.9	101.2	101.5
Ethylbenzene	<1	µg/L	1	<1	12/24/01	8260b	---	1.9	91.3	92.7	92.6
m,p-Xylenes	<1	µg/L	1	<1	12/24/01	8260b	---	2.7	93.1	93.8	94
o-Xylene	<1	µg/L	1	<1	12/24/01	8260b	---	2.1	94.1	94.8	94.6
Toluene	<1	µg/L	1	<1	12/24/01	8260b	---	0.7	103.7	105.6	106.9

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Client: Environmental Tech Group Attn: Britt Byerly	Project ID: Jimmy Cooper EOT 2074C Sample Name: MW 6	Report#/Lab ID#: 123926 Sample Matrix: water
--	---	---

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5 p-Terphenyl	8015 mod.	116	50-150	---
	8015 mod.	125	50-150	---
1,2-Dichloroethane-d4 Toluene-d8	8260b	116	80-120	---
	8260b	104	88-110	---

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

Exceptions Report:

Report #/Lab ID#: 123926 Matrix: water
Client: Environmental Tech Group Attn: Britt Byerly
Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 6

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

Notes:

Client: Environmental Tech Group
Attn: Britt Byerly
Address: 4600 West Wall
Midland Tx 79703
Phone: (915) 522-1139 **FAX:** (915) 520-4310

Report#/Lab ID#: 123927 **Report Date:** 01/07/02
Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 12
Sample Matrix: water
Date Received: 12/18/2001 **Time:** 10:10
Date Sampled: 12/14/2001 **Time:** 10:50

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
TPH by GC (as diesel)	<0.5	mg/L	0.5	<0.5	12/28/01	8015 mod.	---	19.5	103.8	112.1	80.6
TPH by GC (as diesel-ext)	---	---	---	---	12/20/01	3540	---	---	---	---	---
TPH by GC (as gasoline)	<0.5	mg/L	0.5	<0.5	12/28/01	8015 mod.	J	2.9	122.8	112.9	108.2
Volatile organics-8260b/BTEX	---	---	---	---	12/22/01	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	12/22/01	8260b	---	1.3	98.9	101.2	101.5
Ethylbenzene	<1	µg/L	1	<1	12/22/01	8260b	---	1.9	91.3	92.7	92.6
m,p-Xylenes	<1	µg/L	1	<1	12/22/01	8260b	---	2.7	93.1	93.8	94
o-Xylene	<1	µg/L	1	<1	12/22/01	8260b	---	2.1	94.1	94.8	94.6
Toluene	<1	µg/L	1	<1	12/22/01	8260b	---	0.7	103.7	105.6	106.9

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Respectfully Submitted,

Richard Laster

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Client: Environmental Tech Group
Attn: Britt Byerly

Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 12

Report#/Lab ID#: 123927
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	119	50-150	---
p-Terphenyl	8015 mod.	143	50-150	---
1,2-Dichloroethane-d4	8260b	114	80-120	---
Toluene-d8	8260b	92.7	88-110	---

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

Exceptions Report:

Report #/Lab ID#: 123927	Matrix: water	Attn: Britt Byerly
Client: Environmental Tech Group		
Project ID: Jimmy Cooper EOT 2074C		
Sample Name: MW 12		

Sample Temperature/Condition $\leq 6^{\circ}\text{C}$

The typical sample temperature criteria (except for metals by ICP, GFAA and AA and a very few other tests) is $\leq 6^{\circ}\text{C}$. 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
TPH by GC (as gasoline)	J	See J-flag discussion above.

Notes:

Client: Environmental Tech Group
Attn: Britt Byerly
Address: 4600 West Wall
Midland Tx 79703
Phone: (915) 522-1139 **FAX:** (915) 520-4310

Report#/Lab ID#: 123928 **Report Date:** 01/07/02
Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 13
Sample Matrix: water
Date Received: 12/18/2001 **Time:** 10:10
Date Sampled: 12/14/2001 **Time:** 16:00

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
TPH by GC (as diesel)	<0.5	mg/L	0.5	<0.5	12/28/01	8015 mod.	---	19.5	103.8	112.1	80.6
TPH by GC (as diesel-ext)	---	---	---	---	12/20/01	3540	---	---	---	---	---
TPH by GC (as gasoline)	<0.5	mg/L	0.5	<0.5	12/28/01	8015 mod.	---	2.9	122.8	112.9	108.2
Volatile organics-8260b/BTEX	---	---	---	---	12/22/01	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	12/22/01	8260b	---	1.3	98.9	101.2	101.5
Ethylbenzene	<1	µg/L	1	<1	12/22/01	8260b	---	1.9	91.3	92.7	92.6
m,p-Xylenes	<1	µg/L	1	<1	12/22/01	8260b	J	2.7	93.1	93.8	94
o-Xylene	<1	µg/L	1	<1	12/22/01	8260b	---	2.1	94.1	94.8	94.6
Toluene	<1	µg/L	1	<1	12/22/01	8260b	---	0.7	103.7	105.6	106.9

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

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Client: Environmental Tech Group
Attn: Britt Byerly

Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 13

Report#/Lab ID#: 123928
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5 p-Terphenyl	8015 mod.	129	50-150	---
	8015 mod.	136	50-150	---
1,2-Dichloroethane-d4 Toluene-d8	8260b	106	80-120	---
	8260b	94.8	88-110	---

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

Exceptions Report:

Report #/Lab ID#: 123928	Matrix: water	Attn: Britt Byerly
Client: Environmental Tech Group		
Project ID: Jimmy Cooper EOT 2074C		
Sample Name: MW 13		

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
m,p-Xylenes	J	See J-flag discussion above.

Notes:

Client: Environmental Tech Group
Attn: Britt Byerly
Address: 4600 West Wall
Midland Tx 79703
Phone: (915) 522-1139 **FAX:** (915) 520-4310

Report#/Lab ID#: 123929 **Report Date:** 01/07/02
Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 14
Sample Matrix: water
Date Received: 12/18/2001 **Time:** 10:10
Date Sampled: 12/14/2001 **Time:** 11:30

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA 1

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)	<0.5	mg/L	0.5	<0.5	12/28/01	8015 mod.	---	19.5	103.8	112.1	80.6
TPH by GC (as diesel-ext)	---	---	---	---	12/20/01	3540	---	---	---	---	---
TPH by GC (as gasoline)	<0.5	mg/L	0.5	<0.5	12/28/01	8015 mod.	J	2.9	122.8	112.9	108.2
Volatiles organics-8260b/BTEX	---	---	---	---	12/22/01	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	12/22/01	8260b	---	1.3	98.9	101.2	101.5
Ethylbenzene	<1	µg/L	1	<1	12/22/01	8260b	---	1.9	91.3	92.7	92.6
m,p-Xylenes	<1	µg/L	1	<1	12/22/01	8260b	---	2.7	93.1	93.8	94
o-Xylene	<1	µg/L	1	<1	12/22/01	8260b	---	2.1	94.1	94.8	94.6
Toluene	<1	µg/L	1	<1	12/22/01	8260b	---	0.7	103.7	105.6	106.9

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Respectfully Submitted,

Richard Laster

Richard Laster

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Client: Environmental Tech Group
Attn: Britt Byerly

Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 14

Report#/Lab ID#: 123929
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	105	50-150	---
p-Terphenyl	8015 mod.	139	50-150	---
1,2-Dichloroethane-d4	8260b	110	80-120	---
Toluene-d8	8260b	95.6	88-110	---

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

Exceptions Report:

Report #/Lab ID#: 123929	Matrix: water	Attn: Britt Byerly
Client: Environmental Tech Group		
Project ID: Jimmy Cooper EOT 2074C		
Sample Name: MW 14		

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.
- ☐ 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
TPH by GC (as gasoline)	J	See J-flag discussion above.

Notes:

Client: Environmental Tech Group
Attn: Britt Byerly
Address: 4600 West Wall
Midland Tx 79703
Phone: (915) 522-1139 **FAX:** (915) 520-4310

Report#/Lab ID#: 123930 **Report Date:** 01/07/02
Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 15
Sample Matrix: water
Date Received: 12/18/2001 **Time:** 10:10
Date Sampled: 12/14/2001 **Time:** 11:15

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
TPH by GC (as diesel)	<0.5	mg/L	0.5	<0.5	12/28/01	8015 mod.	---	19.5	103.8	112.1	80.6
TPH by GC (as diesel-ext)	---	---	---	---	12/20/01	3540	---	---	---	---	---
TPH by GC (as gasoline)	<0.5	mg/L	0.5	<0.5	12/28/01	8015 mod.	J	2.9	122.8	112.9	108.2
Volatile organics-8260b/BTEX	---	---	---	---	12/22/01	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	12/22/01	8260b	---	1.3	98.9	101.2	101.5
Ethylbenzene	<1	µg/L	1	<1	12/22/01	8260b	---	1.9	91.3	92.7	92.6
m,p-Xylenes	<1	µg/L	1	<1	12/22/01	8260b	---	2.7	93.1	93.8	94
o-Xylene	<1	µg/L	1	<1	12/22/01	8260b	---	2.1	94.1	94.8	94.6
Toluene	<1	µg/L	1	<1	12/22/01	8260b	---	0.7	103.7	105.6	106.9

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Richard Laster

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Client: Environmental Tech Group
Attn: Britt ByerlyProject ID: Jimmy Cooper EOT 2074C
Sample Name: MW 15Report#/Lab ID#: 123930
Sample Matrix: water**REPORT OF SURROGATE RECOVERY**

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	111	50-150	---
p-Terphenyl	8015 mod.	103	50-150	---
1,2-Dichloroethane-d4	8260b	109	80-120	---
Toluene-d8	8260b	95.2	88-110	---

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

Exceptions Report:

Report #/Lab ID#: 123930	Matrix: water	Attn: Britt Byerly
Client: Environmental Tech Group		
Project ID: Jimmy Cooper EOT 2074C		
Sample Name: MW 15		

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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J flag Discussion

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Comments pertaining to Data Qualifiers and QC data:

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

Notes:

Client: Environmental Tech Group
Attn: Britt Byerly
Address: 4600 West Wall
Midland Tx 79703
Phone: (915) 522-1139 **FAX:** (915) 520-4310

Report#/Lab ID#: 123931 **Report Date:** 01/07/02
Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 16
Sample Matrix: water
Date Received: 12/18/2001 **Time:** 10:10
Date Sampled: 12/14/2001 **Time:** 11:00

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA 1

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)	<0.5	mg/L	0.5	<0.5	12/28/01	8015 mod.	J	19.5	103.8	112.1	80.6
TPH by GC (as diesel-ext)	---	---	---	---	12/20/01	3540	---	---	---	---	---
TPH by GC (as gasoline)	<0.5	mg/L	0.5	<0.5	12/28/01	8015 mod.	J	2.9	122.8	112.9	108.2
Volatile organics-8260b/BTEX	---	---	---	---	12/22/01	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	12/22/01	8260b	---	1.3	98.9	101.2	101.5
Ethylbenzene	<1	µg/L	1	<1	12/22/01	8260b	---	1.9	91.3	92.7	92.6
m,p-Xylenes	<1	µg/L	1	<1	12/22/01	8260b	---	2.7	93.1	93.8	94
o-Xylene	<1	µg/L	1	<1	12/22/01	8260b	---	2.1	94.1	94.8	94.6
Toluene	<1	µg/L	1	<1	12/22/01	8260b	---	0.7	103.7	105.6	106.9

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Richard Laster

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Client: Environmental Tech Group
Attn: Britt Byerly

Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 16

Report#/Lab ID#: 123931
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5 p-Terphenyl	8015 mod.	145	50-150	---
	8015 mod.	147	50-150	---
1,2-Dichloroethane-d4 Toluene-d8	8260b	116	80-120	---
	8260b	94.5	88-110	---

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

Exceptions Report:

Report #/Lab ID#: 123931 Matrix: water
Client: Environmental Tech Group Attn: Britt Byerly
Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 16

Sample Temperature/Condition <=6°C

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Comments pertaining to Data Qualifiers and QC data:

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

Notes:

Client: Environmental Tech Group
Attn: Britt Byerly
Address: 4600 West Wall
Midland Tx 79703
Phone: (915) 522-1139 **FAX:** (915) 520-4310

Report#/Lab ID#: 123932 **Report Date:** 01/07/02
Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 17
Sample Matrix: water
Date Received: 12/18/2001 **Time:** 10:10
Date Sampled: 12/14/2001 **Time:** 11:45

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
TPH by GC (as diesel)	<0.5	mg/L	0.5	<0.5	12/28/01	8015 mod.	J	19.5	103.8	112.1	80.6
TPH by GC (as diesel-ext)	---	---	---	---	12/20/01	3540	---	---	---	---	---
TPH by GC (as gasoline)	<0.5	mg/L	0.5	<0.5	12/28/01	8015 mod.	---	2.9	122.8	112.9	108.2
Volatile organics-8260b/BTEX	---	---	---	---	12/22/01	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	12/22/01	8260b	---	1.3	98.9	101.2	101.5
Ethylbenzene	<1	µg/L	1	<1	12/22/01	8260b	---	1.9	91.3	92.7	92.6
m,p-Xylenes	<1	µg/L	1	<1	12/22/01	8260b	---	2.7	93.1	93.8	94
o-Xylene	<1	µg/L	1	<1	12/22/01	8260b	---	2.1	94.1	94.8	94.6
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Richard Laster

Richard Laster

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Client: Environmental Tech Group
Attn: Britt Byerly

Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 17

Report#/Lab ID#: 123932
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	118	50-150	---
p-Terphenyl	8015 mod.	123	50-150	---
1,2-Dichloroethane-d4	8260b	119	80-120	---
Toluene-d8	8260b	94	88-110	---

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

Exceptions Report:

Report #/Lab ID#: 123932	Matrix: water	Attn: Britt Byerly
Client: Environmental Tech Group		
Project ID: Jimmy Cooper EOT 2074C		
Sample Name: MW 17		

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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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 Tech Group
Attn: Britt Byerly
Address: 4600 West Wall
Midland Tx 79703
Phone: (915) 522-1139 **FAX:** (915) 520-4310

Report#/Lab ID#: 123933 **Report Date:** 01/07/02
Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 19
Sample Matrix: water
Date Received: 12/18/2001 **Time:** 10:10
Date Sampled: 12/14/2001 **Time:** 13:45

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)	<0.5	mg/L	0.5	<0.5	12/28/01	8015 mod.	---	19.5	103.8	112.1	80.6
TPH by GC (as diesel-ext)	---	---	---	---	12/20/01	3540	---	---	---	---	---
TPH by GC (as gasoline)	<0.5	mg/L	0.5	<0.5	12/28/01	8015 mod.	J	2.9	122.8	112.9	108.2
Volatiles organics-8260b/BTEX	---	---	---	---	12/22/01	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	12/22/01	8260b	---	1.3	98.9	101.2	101.5
Ethylbenzene	<1	µg/L	1	<1	12/22/01	8260b	---	1.9	91.3	92.7	92.6
m,p-Xylenes	<1	µg/L	1	<1	12/22/01	8260b	---	2.7	93.1	93.8	94
o-Xylene	<1	µg/L	1	<1	12/22/01	8260b	---	2.1	94.1	94.8	94.6
Toluene	<1	µg/L	1	<1	12/22/01	8260b	---	0.7	103.7	105.6	106.9

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.

Client: Environmental Tech Group
Attn: Britt Byerly

Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 19

Report#/Lab ID#: 123933
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5 p-Terphenyl	8015 mod.	94	50-150	---
	8015 mod.	141	50-150	---
1,2-Dichloroethane-d4 Toluene-d8	8260b	112	80-120	---
	8260b	98.5	88-110	---

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

Exceptions Report:

Report #/Lab ID#: 123933	Matrix: water	Attn: Britt Byerly
Client: Environmental Tech Group		
Project ID: Jimmy Cooper EOT 2074C		
Sample Name: MW 19		

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
TPH by GC (as gasoline)	J	See J-flag discussion above.

Notes:

Client: Environmental Tech Group
Attn: Britt Byerly
Address: 4600 West Wall
Midland Tx 79703
Phone: (915) 522-1139 **FAX:** (915) 520-4310

Report#/Lab ID#: 123934 **Report Date:** 01/07/02
Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 21
Sample Matrix: water
Date Received: 12/18/2001 **Time:** 10:10
Date Sampled: 12/14/2001 **Time:** 14:00

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
TPH by GC (as diesel)	<0.5	mg/L	0.5	<0.5	12/28/01	8015 mod.	J	19.5	103.8	112.1	80.6
TPH by GC (as diesel-ext)	---	---	---	---	12/20/01	3540	---	---	---	---	---
TPH by GC (as gasoline)	<0.5	mg/L	0.5	<0.5	12/28/01	8015 mod.	J	2.9	122.8	112.9	108.2
Volatile organics-8260b/BTEX	---	---	---	---	12/22/01	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	12/22/01	8260b	---	1.3	98.9	101.2	101.5
Ethylbenzene	<1	µg/L	1	<1	12/22/01	8260b	---	1.9	91.3	92.7	92.6
m,p-Xylenes	<1	µg/L	1	<1	12/22/01	8260b	---	2.7	93.1	93.8	94
o-Xylene	<1	µg/L	1	<1	12/22/01	8260b	---	2.1	94.1	94.8	94.6
Toluene	<1	µg/L	1	<1	12/22/01	8260b	---	0.7	103.7	105.6	106.9

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Respectfully Submitted,

Richard Laster

Richard Laster

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Client: Environmental Tech Group
Attn: Britt Byerly

Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 21

Report#/Lab ID#: 123934
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	139	50-150	---
p-Terphenyl	8015 mod.	137	50-150	---
1,2-Dichloroethane-d4	8260b	105	80-120	---
Toluene-d8	8260b	95.6	88-110	---

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

Exceptions Report:

Report #/Lab ID#: 123934	Matrix: water	Attn: Britt Byerly
Client: Environmental Tech Group		
Project ID: Jimmy Cooper EOT 2074C		
Sample Name: MW 21		

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
TPH by GC (as diesel)	J	See J-flag discussion above.
TPH by GC (as gasoline)	J	See J-flag discussion above.

Notes:

Client: Environmental Tech Group
Attn: Britt Byerly
Address: 4600 West Wall
Midland Tx 79703
Phone: (915) 522-1139 **FAX:** (915) 520-4310

Report#/Lab ID#: 123935 **Report Date:** 01/07/02
Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 23
Sample Matrix: water
Date Received: 12/18/2001 **Time:** 10:10
Date Sampled: 12/14/2001 **Time:** 14:15

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
TPH by GC (as diesel)	<0.5	mg/L	0.5	<0.5	12/28/01	8015 mod.	---	19.5	103.8	112.1	80.6
TPH by GC (as diesel-ext)	---	---	---	---	12/20/01	3540	---	---	---	---	---
TPH by GC (as gasoline)	<0.5	mg/L	0.5	<0.5	12/28/01	8015 mod.	J	2.9	122.8	112.9	108.2
Volatiles organics-8260b/BTEX	---	---	---	---	12/22/01	8260b	---	---	---	---	---
Benzene	71.4	µg/L	1	<1	12/22/01	8260b	---	1.3	98.9	101.2	101.5
Ethylbenzene	36.9	µg/L	1	<1	12/22/01	8260b	---	1.9	91.3	92.7	92.6
m,p-Xylenes	96.2	µg/L	1	<1	12/22/01	8260b	---	2.7	93.1	93.8	94
o-Xylene	29.9	µg/L	1	<1	12/22/01	8260b	---	2.1	94.1	94.8	94.6
Toluene	6.49	µg/L	1	<1	12/22/01	8260b	---	0.7	103.7	105.6	106.9

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Respectfully Submitted,

Richard Laster

Richard Laster

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Client: Environmental Tech Group
Attn: Britt Byerly

Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 23

Report#/Lab ID#: 123935
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	119	50-150	---
p-Terphenyl	8015 mod.	133	50-150	---
1,2-Dichloroethane-d4	8260b	115	80-120	---
Toluene-d8	8260b	94.5	88-110	---

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

Exceptions Report:

Report #/Lab ID#: 123935	Matrix: water	Attn: Britt Byerly
Client: Environmental Tech Group		
Project ID: Jimmy Cooper EOT 2074C		
Sample Name: MW 23		

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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Comments pertaining to Data Qualifiers and QC data:

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

Notes:

Client: Environmental Tech Group
Attn: Britt Byerly
Address: 4600 West Wall
Midland Tx 79703
Phone: (915) 522-1139 **FAX:** (915) 520-4310

Report#/Lab ID#: 123936 **Report Date:** 01/07/02
Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 24
Sample Matrix: water
Date Received: 12/18/2001 **Time:** 10:10
Date Sampled: 12/14/2001 **Time:** 12:15

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
TPH by GC (as diesel)	2.05	mg/L	0.5	<0.5	12/28/01	8015 mod.	---	19.5	103.8	112.1	80.6
TPH by GC (as diesel-ext)	---	---	---	---	12/20/01	3540	---	---	---	---	---
TPH by GC (as gasoline)	1	mg/L	0.5	<0.5	12/28/01	8015 mod.	---	2.9	122.8	112.9	108.2
Volatile organics-8260b/BTEX	---	---	---	---	12/22/01	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	12/22/01	8260b	---	1.3	98.9	101.2	101.5
Ethylbenzene	<1	µg/L	1	<1	12/22/01	8260b	---	1.9	91.3	92.7	92.6
m,p-Xylenes	1.23	µg/L	1	<1	12/22/01	8260b	---	2.7	93.1	93.8	94
o-Xylene	<1	µg/L	1	<1	12/22/01	8260b	J	2.1	94.1	94.8	94.6
Toluene	<1	µg/L	1	<1	12/22/01	8260b	---	0.7	103.7	105.6	106.9

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Richard Laster

Richard Laster

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Client: Environmental Tech Group
Attn: Britt Byerly

Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 24

Report#/Lab ID#: 123936
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5 p-Terphenyl	8015 mod.	94	50-150	---
	8015 mod.	120	50-150	---
1,2-Dichloroethane-d4 Toluene-d8	8260b	130	80-120	X
	8260b	106	88-110	---

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

Exceptions Report:

Report #/Lab ID#: 123936	Matrix: water	Attn: Britt Byerly
Client: Environmental Tech Group		
Project ID: Jimmy Cooper EOT 2074C		
Sample Name: MW 24		

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.
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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
o-Xylene	J	See J-flag discussion above.
1,2-Dichloroethane-d4	X	Surrogate recovery outside advisory/acceptance limits. Typically verified by reanalysis or reextraction & reanalysis. In some well known matrices
1,2-Dichloroethane-d4	X	(sample sources with known interferences) and for some conditions, reextraction and/or reanalysis may be at analysts discretion.

Notes:

Client: Environmental Tech Group
Attn: Britt Byerly
Address: 4600 West Wall
Midland Tx 79703
Phone: (915) 522-1139 **FAX:** (915) 520-4310

Report#/Lab ID#: 123937 **Report Date:** 01/07/02
Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 25
Sample Matrix: water
Date Received: 12/18/2001 **Time:** 10:10
Date Sampled: 12/14/2001 **Time:** 12:45

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)	<0.5	mg/L	0.5	<0.5	12/28/01	8015 mod.	J	19.5	103.8	112.1	80.6
TPH by GC (as diesel-ext)	---	---	---	---	12/20/01	3540	---	---	---	---	---
TPH by GC (as gasoline)	<0.5	mg/L	0.5	<0.5	12/28/01	8015 mod.	J	2.9	122.8	112.9	108.2
Volatiles organics-8260b/BTEX	---	---	---	---	12/24/01	8260b	---	---	---	---	---
Benzene	2.48	µg/L	1	<1	12/24/01	8260b	---	1.3	98.9	101.2	101.5
Ethylbenzene	3.08	µg/L	1	<1	12/24/01	8260b	---	1.9	91.3	92.7	92.6
m,p-Xylenes	<1	µg/L	1	<1	12/24/01	8260b	---	2.7	93.1	93.8	94
o-Xylene	<1	µg/L	1	<1	12/24/01	8260b	---	2.1	94.1	94.8	94.6
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QUALITY ASSURANCE DATA¹

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Richard Laster

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Client: Environmental Tech Group
Attn: Britt Byerly

Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 25

Report#/Lab ID#: 123937
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5 p-Terphenyl	8015 mod.	126	50-150	---
	8015 mod.	128	50-150	---
1,2-Dichloroethane-d4 Toluene-d8	8260b	112	80-120	---
	8260b	104	88-110	---

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

Exceptions Report:

Report #/Lab ID#: 123937	Matrix: water	Attn: Britt Byerly
Client: Environmental Tech Group		
Project ID: Jimmy Cooper EOT 2074C		
Sample Name: MW 25		

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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Comments pertaining to Data Qualifiers and QC data:

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

Notes:

Client: Environmental Tech Group
Attn: Britt Byerly
Address: 4600 West Wall
Midland Tx 79703
Phone: (915) 522-1139 **FAX:** (915) 520-4310

Report#/Lab ID#: 123938 **Report Date:** 01/07/02
Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 26
Sample Matrix: water
Date Received: 12/18/2001 **Time:** 10:10
Date Sampled: 12/14/2001 **Time:** 13:00

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)	<0.5	mg/L	0.5	<0.5	12/28/01	8015 mod.	J	19.5	103.8	112.1	80.6
TPH by GC (as diesel-ext)	---	---	---	---	12/20/01	3540	---	---	---	---	---
TPH by GC (as gasoline)	<0.5	mg/L	0.5	<0.5	12/28/01	8015 mod.	---	2.9	122.8	112.9	108.2
Volatiles organics-8260b/BTEX	---	---	---	---	12/24/01	8260b	---	---	---	---	---
Benzene	27.7	µg/L	1	<1	12/24/01	8260b	---	1.3	98.9	101.2	101.5
Ethylbenzene	16.6	µg/L	1	<1	12/24/01	8260b	---	1.9	91.3	92.7	92.6
m,p-Xylenes	53.3	µg/L	1	<1	12/24/01	8260b	---	2.7	93.1	93.8	94
o-Xylene	8.67	µg/L	1	<1	12/24/01	8260b	---	2.1	94.1	94.8	94.6
Toluene	<1	µg/L	1	<1	12/24/01	8260b	J	0.7	103.7	105.6	106.9

QUALITY ASSURANCE DATA¹

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.

Client: Environmental Tech Group
Attn: Britt Byerly

Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 26

Report#/Lab ID#: 123938
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	90	50-150	---
p-Terphenyl	8015 mod.	114	50-150	---
1,2-Dichloroethane-d4	8260b	103	80-120	---
Toluene-d8	8260b	106	88-110	---

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

Exceptions Report:

Report #/Lab ID#: 123938 Matrix: water
Client: Environmental Tech Group Attn: Britt Byerly
Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 26

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
TPH by GC (as diesel)	J	See J-flag discussion above.
Toluene	J	See J-flag discussion above.

Notes:

Client: Environmental Tech Group
Attn: Britt Byerly
Address: 4600 West Wall
Midland Tx 79703
Phone: (915) 522-1139 **FAX:** (915) 520-4310

Report#/Lab ID#: 123939 **Report Date:** 01/07/02
Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 27
Sample Matrix: water
Date Received: 12/18/2001 **Time:** 10:10
Date Sampled: 12/14/2001 **Time:** 12:00

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)	<0.5	mg/L	0.5	<0.5	12/28/01	8015 mod.	J	19.5	103.8	112.1	80.6
TPH by GC (as diesel-ext)	---	---	---	---	12/20/01	3540	---	---	---	---	---
TPH by GC (as gasoline)	<0.5	mg/L	0.5	<0.5	12/28/01	8015 mod.	---	2.9	122.8	112.9	108.2
Volatiles organics-8260b/BTEX	---	---	---	---	12/22/01	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	12/22/01	8260b	---	1.3	98.9	101.2	101.5
Ethylbenzene	<1	µg/L	1	<1	12/22/01	8260b	---	1.9	91.3	92.7	92.6
m,p-Xylenes	<1	µg/L	1	<1	12/22/01	8260b	---	2.7	93.1	93.8	94
o-Xylene	<1	µg/L	1	<1	12/22/01	8260b	---	2.1	94.1	94.8	94.6
Toluene	<1	µg/L	1	<1	12/22/01	8260b	---	0.7	103.7	105.6	106.9

QUALITY ASSURANCE DATA¹

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Respectfully Submitted,

Richard Laster

Richard Laster

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Client: Environmental Tech Group
Attn: Britt Byerly

Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 27

Report#/Lab ID#: 123939
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5 p-Terphenyl	8015 mod.	128	50-150	---
	8015 mod.	61	50-150	---
1,2-Dichloroethane-d4 Toluene-d8	8260b	128	80-120	X
	8260b	107	88-110	---

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

Exceptions Report:

Report #/Lab ID#: 123939	Matrix: water	Attn: Britt Byerly
Client: Environmental Tech Group		
Project ID: Jimmy Cooper EOT 2074C		
Sample Name: MW 27		

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
TPH by GC (as diesel)	J	See J-flag discussion above.
1,2-Dichloroethane-d4	X	Surrogate recovery outside advisory/acceptance limits. Typically verified by reanalysis or reextraction & reanalysis. In some well known matrices (sample sources with known interferences) and for some conditions, reextraction and/or reanalysis may be at analysts discretion.
1,2-Dichloroethane-d4	X	

Notes:

Client: Environmental Tech Group
Attn: Britt Byerly
Address: 4600 West Wall
Midland Tx 79703
Phone: (915) 522-1139 **FAX:** (915) 520-4310

Report#/Lab ID#: 123940 **Report Date:** 01/07/02
Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 28
Sample Matrix: water
Date Received: 12/18/2001 **Time:** 10:10
Date Sampled: 12/14/2001 **Time:** 12:30

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
TPH by GC (as diesel)	<0.5	mg/L	0.5	<0.5	12/28/01	8015 mod.	J	19.5	103.8	112.1	80.6
TPH by GC (as diesel-ext)	---	---	---	---	12/20/01	3540	---	---	---	---	---
TPH by GC (as gasoline)	<0.5	mg/L	0.5	<0.5	12/28/01	8015 mod.	---	2.9	122.8	112.9	108.2
Volatile organics-8260b/BTEX	---	---	---	---	12/22/01	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	12/22/01	8260b	---	1.3	98.9	101.2	101.5
Ethylbenzene	<1	µg/L	1	<1	12/22/01	8260b	---	1.9	91.3	92.7	92.6
m,p-Xylenes	<1	µg/L	1	<1	12/22/01	8260b	---	2.7	93.1	93.8	94
o-Xylene	<1	µg/L	1	<1	12/22/01	8260b	---	2.1	94.1	94.8	94.6
Toluene	<1	µg/L	1	<1	12/22/01	8260b	---	0.7	103.7	105.6	106.9

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Client: Environmental Tech Group
Attn: Britt Byerly

Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 28

Report#/Lab ID#: 123940
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	135	50-150	---
p-Terphenyl	8015 mod.	139	50-150	---
1,2-Dichloroethane-d4	8260b	130	80-120	X
Toluene-d8	8260b	102	88-110	---

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

Exceptions Report:

Report #/Lab ID#: 123940	Matrix: water	Attn: Britt Byerly
Client: Environmental Tech Group		
Project ID: Jimmy Cooper EOT 2074C		
Sample Name: MW 28		

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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Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
TPH by GC (as diesel)	J	See J-flag discussion above.
1,2-Dichloroethane-d4	X	Surrogate recovery outside advisory/acceptance limits. Typically verified by reanalysis or reextraction & reanalysis. In some well known matrices (sample sources with known interferences) and for some conditions, reextraction and/or reanalysis may be at analysts discretion.
1,2-Dichloroethane-d4	X	

Notes:

Client: Environmental Tech Group

Attn: Britt Byerly

Address: 4600 West Wall

Midland

Tx 79703

Phone: (915) 522-1139 **FAX:** (915) 520-4310

Report#/Lab ID#: 123941 **Report Date:** 01/07/02

Project ID: Jimmy Cooper EOT 2074C

Sample Name: MW 29

Sample Matrix: water

Date Received: 12/18/2001 **Time:** 10:10

Date Sampled: 12/14/2001 **Time:** 13:15

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
TPH by GC (as diesel)	<0.5	mg/L	0.5	<0.5	12/28/01	8015 mod.	---	19.5	103.8	112.1	80.6
TPH by GC (as diesel-ext)	---	---	---	---	12/20/01	3540	---	---	---	---	---
TPH by GC (as gasoline)	<0.5	mg/L	0.5	<0.5	12/28/01	8015 mod.	---	2.9	122.8	112.9	108.2
Volatile organics-8260b/BTEX	---	---	---	---	12/24/01	8260b	---	---	---	---	---
Benzene	77.7	µg/L	1	<1	12/24/01	8260b	---	1.3	98.9	101.2	101.5
Ethylbenzene	5.02	µg/L	1	<1	12/24/01	8260b	---	1.9	91.3	92.7	92.6
m,p-Xylenes	2.93	µg/L	1	<1	12/24/01	8260b	---	2.7	93.1	93.8	94
o-Xylene	2	µg/L	1	<1	12/24/01	8260b	---	2.1	94.1	94.8	94.6
Toluene	<1	µg/L	1	<1	12/24/01	8260b	J	0.7	103.7	105.6	106.9

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Richard Laster

Richard Laster

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Client: Environmental Tech Group
Attn: Britt Byerly

Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 29

Report#/Lab ID#: 123941
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	95	50-150	---
p-Terphenyl	8015 mod.	130	50-150	---
1,2-Dichloroethane-d4	8260b	125	80-120	X
Toluene-d8	8260b	103	88-110	---

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

Exceptions Report:

Report #/Lab ID#: 123941 Matrix: water
Client: Environmental Tech Group Attn: Britt Byerly
Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 29

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

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J flag Discussion

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Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
Toluene	J	See J-flag discussion above.
1,2-Dichloroethane-d4	X	Surrogate recovery outside advisory/acceptance limits. Typically verified by reanalysis or reextraction & reanalysis. In some well known matrices (sample sources with known interferences) and for some conditions, reextraction and/or reanalysis may be at analysts discretion.
1,2-Dichloroethane-d4	X	

Notes:

Client: Environmental Tech Group
Attn: Britt Byerly

Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 31

Report#/Lab ID#: 123942
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5 p-Terphenyl	8015 mod.	105	50-150	---
	8015 mod.	134	50-150	---
1,2-Dichloroethane-d4 Toluene-d8	8260b	121	80-120	X
	8260b	103	88-110	---

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

Exceptions Report:

Report #/Lab ID#: 123942	Matrix: water
Client: Environmental Tech Group	Attn: Britt Byerly
Project ID: Jimmy Cooper EOT 2074C	
Sample Name: MW 31	

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
1,2-Dichloroethane-d4	X	Surrogate recovery outside advisory/acceptance limits. Typically verified by reanalysis or reextraction & reanalysis. In some well known matrices (sample sources with known interferences) and for some conditions, reextraction and/or reanalysis may be at analysts discretion.
1,2-Dichloroethane-d4	X	

Notes:

Client: Environmental Tech Group
Attn: Britt Byerly
Address: 4600 West Wall
Midland Tx 79703
Phone: (915) 522-1139 FAX: (915) 520-4310

Report#/Lab ID#: 123943 Report Date: 01/07/02
Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 32
Sample Matrix: water
Date Received: 12/18/2001 Time: 10:10
Date Sampled: 12/14/2001 Time: 14:45

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
TPH by GC (as diesel)	5.09	mg/L	0.5	<0.5	12/28/01	8015 mod.	---	4.8	70.1	114.2	78.8
TPH by GC (as diesel-ext)	---	---	---	---	12/20/01	3540	---	---	---	---	---
TPH by GC (as gasoline)	1.9	mg/L	0.5	<0.5	12/28/01	8015 mod.	---	6.9	74.9	114.5	109.5
Volatile organics-8260b/BTEX	---	---	---	---	12/24/01	8260b	---	---	---	---	---
Benzene	11.2	µg/L	1	<1	12/24/01	8260b	---	1.3	98.9	101.2	101.5
Ethylbenzene	8	µg/L	1	<1	12/24/01	8260b	---	1.9	91.3	92.7	92.6
m,p-Xylenes	10.9	µg/L	1	<1	12/24/01	8260b	---	2.7	93.1	93.8	94
o-Xylene	2.39	µg/L	1	<1	12/24/01	8260b	---	2.1	94.1	94.8	94.6
Toluene	<1	µg/L	1	<1	12/24/01	8260b	---	0.7	103.7	105.6	106.9

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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.

Client: Environmental Tech Group
Attn: Britt Byerly

Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 32

Report#/Lab ID#: 123943
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	96	50-150	---
p-Terphenyl	8015 mod.	133	50-150	---
1,2-Dichloroethane-d4	8260b	121	80-120	X
Toluene-d8	8260b	108	88-110	---

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

Exceptions Report:

Report #/Lab ID#: 123943	Matrix: water	Attn: Britt Byerly
Client: Environmental Tech Group		
Project ID: Jimmy Cooper EOT 2074C		
Sample Name: MW 32		

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
1,2-Dichloroethane-d4	X	Surrogate recovery outside advisory/acceptance limits. Typically verified by reanalysis or reextraction & reanalysis. In some well known matrices
1,2-Dichloroethane-d4	X	(sample sources with known interferences) and for some conditions, reextraction and/or reanalysis may be at analysts discretion.

Notes:

Client: Environmental Tech Group
Attn: Britt Byerly
Address: 4600 West Wall
Midland Tx 79703
Phone: (915) 522-1139 **FAX:** (915) 520-4310

Report#/Lab ID#: 123944 **Report Date:** 01/07/02
Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 34
Sample Matrix: water
Date Received: 12/18/2001 **Time:** 10:10
Date Sampled: 12/14/2001 **Time:** 15:30

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
TPH by GC (as diesel)	2.78	mg/L	0.5	<0.5	12/28/01	8015 mod.	---	4.8	70.1	114.2	78.8
TPH by GC (as diesel-ext)	---	---	---	---	12/20/01	3540	---	---	---	---	---
TPH by GC (as gasoline)	<0.5	mg/L	0.5	<0.5	12/28/01	8015 mod.	J	6.9	74.9	114.5	109.5
Volatile organics-8260b/BTEX	---	---	---	---	12/24/01	8260b	---	---	---	---	---
Benzene	41.1	µg/L	1	<1	12/24/01	8260b	---	1.1	95	103.1	118.1
Ethylbenzene	5.01	µg/L	1	<1	12/24/01	8260b	---	0.1	88.6	88.7	89.4
m,p-Xylenes	8.2	µg/L	1	<1	12/24/01	8260b	---	0.3	80.8	81	81.4
o-Xylene	1.71	µg/L	1	<1	12/24/01	8260b	---	0.3	96.4	98.1	87.5
Toluene	<1	µg/L	1	<1	12/24/01	8260b	---	1.9	98.4	103.9	121.3

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Respectfully Submitted,

Richard Laster

Richard Laster

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Client: Environmental Tech Group
Attn: Britt Byerly

Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 34

Report#/Lab ID#: 123944
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	121	50-150	---
p-Terphenyl	8015 mod.	133	50-150	---
1,2-Dichloroethane-d4	8260b	85.5	80-120	---
Toluene-d8	8260b	88.8	88-110	---

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

Exceptions Report:

Report #/Lab ID#: 123944	Matrix: water	Attn: Britt Byerly
Client: Environmental Tech Group		
Project ID: Jimmy Cooper EOT 2074C		
Sample Name: MW 34		

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). State of sample preservation unknown.
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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 gasoline)	J	See J-flag discussion above.

Notes:

Client: Environmental Tech Group
Attn: Britt Byerly
Address: 4600 West Wall
Midland Tx 79703
Phone: (915) 522-1139 **FAX:** (915) 520-4310

Report#/Lab ID#: 123945 **Report Date:** 01/07/02
Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 35
Sample Matrix: water
Date Received: 12/18/2001 **Time:** 10:10
Date Sampled: 12/14/2001 **Time:** 16:30

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
TPH by GC (as diesel)	<0.5	mg/L	0.5	<0.5	12/28/01	8015 mod.	---	4.8	70.1	114.2	78.8
TPH by GC (as diesel-ext)	---	---	---	---	12/20/01	3540	---	---	---	---	---
TPH by GC (as gasoline)	<0.5	mg/L	0.5	<0.5	12/28/01	8015 mod.	J	6.9	74.9	114.5	109.5
Volatile organics-8260b/BTEX	---	---	---	---	12/22/01	8260b	---	---	---	---	---
Benzene	1.49	µg/L	1	<1	12/22/01	8260b	---	1.1	95	103.1	118.1
Ethylbenzene	<1	µg/L	1	<1	12/22/01	8260b	J	0.1	88.6	88.7	89.4
m,p-Xylenes	<1	µg/L	1	<1	12/24/01	8260b	---	0.3	80.8	81	81.4
o-Xylene	<1	µg/L	1	<1	12/22/01	8260b	---	0.3	96.4	98.1	87.5
Toluene	<1	µg/L	1	<1	12/22/01	8260b	J	1.9	98.4	103.9	121.3

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Respectfully Submitted,

Richard Laster

Richard Laster

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Client: Environmental Tech Group
Attn: Britt Byerly

Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 35

Report#/Lab ID#: 123945
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5 p-Terphenyl	8015 mod.	147	50-150	---
	8015 mod.	149	50-150	---
1,2-Dichloroethane-d4 Toluene-d8	8260b	89.1	80-120	---
	8260b	104	88-110	---

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

Exceptions Report:

Report #/Lab ID#: 123945	Matrix: water	Attn: Britt Byerly
Client: Environmental Tech Group		
Project ID: Jimmy Cooper EOT 2074C		
Sample Name: MW 35		

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 gasoline)	J	See J-flag discussion above.
Ethylbenzene	J	See J-flag discussion above.
Toluene	J	See J-flag discussion above.

Notes:

Client: Environmental Tech Group
Attn: Britt Byerly
Address: 4600 West Wall
Midland Tx 79703
Phone: (915) 522-1139 **FAX:** (915) 520-4310

Report#/Lab ID#: 123946 **Report Date:** 01/07/02
Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 36
Sample Matrix: water
Date Received: 12/18/2001 **Time:** 10:10
Date Sampled: 12/14/2001 **Time:** 18:00

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)	<0.5	mg/L	0.5	<0.5	12/28/01	8015 mod.	J	4.8	70.1	114.2	78.8
TPH by GC (as diesel-ext)	---	---	---	---	12/20/01	3540	---	---	---	---	---
TPH by GC (as gasoline)	<0.5	mg/L	0.5	<0.5	12/28/01	8015 mod.	---	6.9	74.9	114.5	109.5
Volatile organics-8260b/BTEX	---	---	---	---	12/24/01	8260b	---	---	---	---	---
Benzene	27.5	µg/L	1	<1	12/24/01	8260b	---	1.1	95	103.1	118.1
Ethylbenzene	6.98	µg/L	1	<1	12/24/01	8260b	---	0.1	88.6	88.7	89.4
m,p-Xylenes	18.3	µg/L	1	<1	12/24/01	8260b	---	0.3	80.8	81	81.4
o-Xylene	2.77	µg/L	1	<1	12/24/01	8260b	---	0.3	96.4	98.1	87.5
Toluene	<1	µg/L	1	<1	12/24/01	8260b	---	1.9	98.4	103.9	121.3

QUALITY ASSURANCE DATA¹

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Client: Environmental Tech Group
Attn: Britt Byerly

Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 36

Report#/Lab ID#: 123946
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	91	50-150	---
p-Terphenyl	8015 mod.	70	50-150	---
1,2-Dichloroethane-d4	8260b	84.7	80-120	---
Toluene-d8	8260b	89.5	88-110	---

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

Exceptions Report:

Report #/Lab ID#: 123946 Matrix: water
Client: Environmental Tech Group Attn: Britt Byerly
Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 36

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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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 Tech Group

Attn: Britt Byerly

Address: 4600 West Wall

Midland

Tx 79703

Phone: (915) 522-1139 **FAX:** (915) 520-4310

Report#/Lab ID#: 123947 **Report Date:** 01/07/02

Project ID: Jimmy Cooper EOT 2074C

Sample Name: MW 37

Sample Matrix: water

Date Received: 12/18/2001 **Time:** 10:10

Date Sampled: 12/14/2001 **Time:** 16:15

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
TPH by GC (as diesel)	<0.5	mg/L	0.5	<0.5	12/28/01	8015 mod.	---	4.8	70.1	114.2	78.8
TPH by GC (as diesel-ext)	---	---	---	---	12/20/01	3540	---	---	---	---	---
TPH by GC (as gasoline)	<0.5	mg/L	0.5	<0.5	12/28/01	8015 mod.	---	6.9	74.9	114.5	109.5
Volatile organics-8260b/BTEX	---	---	---	---	12/24/01	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	12/22/01	8260b	---	1.1	95	103.1	118.1
Ethylbenzene	<1	µg/L	1	<1	12/24/01	8260b	---	0.1	88.6	88.7	89.4
m,p-Xylenes	<1	µg/L	1	<1	12/24/01	8260b	---	0.3	80.8	81	81.4
o-Xylene	<1	µg/L	1	<1	12/24/01	8260b	---	0.3	96.4	98.1	87.5
Toluene	<1	µg/L	1	<1	12/22/01	8260b	J	1.9	98.4	103.9	121.3

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Client: Environmental Tech Group
Attn: Britt Byerly

Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 37

Report#/Lab ID#: 123947
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	107	50-150	---
p-Terphenyl	8015 mod.	123	50-150	---
1,2-Dichloroethane-d4	8260b	114	80-120	---
Toluene-d8	8260b	93.4	88-110	---

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

Exceptions Report:

Report #/Lab ID#: 123947	Matrix: water	Attn: Britt Byerly
Client: Environmental Tech Group		
Project ID: Jimmy Cooper EOT 2074C		
Sample Name: MW 37		

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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Comments pertaining to Data Qualifiers and QC data:

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

Notes:

Client: Environmental Tech Group

Attn: Britt Byerly

Address: 4600 West Wall

Midland

Tx 79703

Phone: (915) 522-1139 FAX: (915) 520-4310

Report#/Lab ID#: 123948 Report Date: 01/07/02

Project ID: Jimmy Cooper EOT 2074C

Sample Name: MW 38

Sample Matrix: water

Date Received: 12/18/2001 Time: 10:10

Date Sampled: 12/14/2001 Time: 15:45

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
TPH by GC (as diesel)	4.24	mg/L	0.5	<0.5	12/28/01	8015 mod.	---	4.8	70.1	114.2	78.8
TPH by GC (as diesel-ext)	---	---	---	---	12/20/01	3540	---	---	---	---	---
TPH by GC (as gasoline)	<0.5	mg/L	0.5	<0.5	12/28/01	8015 mod.	J	6.9	74.9	114.5	109.5
Volatile organics-8260b/BTEX	---	---	---	---	12/22/01	8260b	---	---	---	---	---
Benzene	3.8	µg/L	1	<1	12/22/01	8260b	---	1.1	95	103.1	118.1
Ethylbenzene	<1	µg/L	1	<1	12/22/01	8260b	J	0.1	88.6	88.7	89.4
m,p-Xylenes	2.76	µg/L	1	<1	12/22/01	8260b	---	0.3	80.8	81	81.4
o-Xylene	<1	µg/L	1	<1	12/22/01	8260b	J	0.3	96.4	98.1	87.5
Toluene	<1	µg/L	1	<1	12/22/01	8260b	---	1.9	98.4	103.9	121.3

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Respectfully Submitted,

Richard Laster

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Client: Environmental Tech Group
Attn: Britt Byerly

Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 38

Report#/Lab ID#: 123948
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	97	50-150	---
p-Terphenyl	8015 mod.	144	50-150	---
1,2-Dichloroethane-d4	8260b	86.6	80-120	---
Toluene-d8	8260b	104	88-110	---

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

Exceptions Report:

Report #/Lab ID#: 123948 **Matrix:** water
Client: Environmental Tech Group **Attn:** Britt Byerly
Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 38

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
TPH by GC (as gasoline)	J	See J-flag discussion above.
Ethylbenzene	J	See J-flag discussion above.
o-Xylene	J	See J-flag discussion above.

Notes:

Client: Environmental Tech Group

Attn: Britt Byerly

Address: 4600 West Wall

Midland

Tx 79703

Phone: (915) 522-1139 **FAX:** (915) 520-4310

Report#/Lab ID#: 123949 **Report Date:** 01/07/02

Project ID: Jimmy Cooper EOT 2074C

Sample Name: MW 39

Sample Matrix: water

Date Received: 12/18/2001 **Time:** 10:10

Date Sampled: 12/14/2001 **Time:** 17:30

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
TPH by GC (as diesel)	<0.5	mg/L	0.5	<0.5	12/28/01	8015 mod.	---	4.8	70.1	114.2	78.8
TPH by GC (as diesel-ext)	---	---	---	---	12/20/01	3540	---	---	---	---	---
TPH by GC (as gasoline)	<0.5	mg/L	0.5	<0.5	12/28/01	8015 mod.	---	6.9	74.9	114.5	109.5
Volatile organics-8260b/BTEX	---	---	---	---	12/22/01	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	12/22/01	8260b	J	1.1	95	103.1	118.1
Ethylbenzene	<1	µg/L	1	<1	12/22/01	8260b	---	0.1	88.6	88.7	89.4
m,p-Xylenes	<1	µg/L	1	<1	12/22/01	8260b	J	0.3	80.8	81	81.4
o-Xylene	<1	µg/L	1	<1	12/22/01	8260b	---	0.3	96.4	98.1	87.5
Toluene	<1	µg/L	1	<1	12/22/01	8260b	---	1.9	98.4	103.9	121.3

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Respectfully Submitted,

Richard Laster

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Client: Environmental Tech Group
Attn: Britt Byerly

Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 39

Report#/Lab ID#: 123949
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5 p-Terphenyl	8015 mod.	110	50-150	---
	8015 mod.	137	50-150	---
1,2-Dichloroethane-d4 Toluene-d8	8260b	108	80-120	---
	8260b	100	88-110	---

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

Exceptions Report:

Report #/Lab ID#: 123949 Matrix: water
Client: Environmental Tech Group Attn: Britt Byerly
Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 39

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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Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
Benzene	J	See J-flag discussion above.
m,p-Xylenes	J	See J-flag discussion above.

Notes:

Client: Environmental Tech Group
Attn: Britt Byerly
Address: 4600 West Wall
Midland
Tx 79703
Phone: (915) 522-1139 **FAX:** (915) 520-4310

Report#/Lab ID#: 123950 **Report Date:** 01/07/02
Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 40
Sample Matrix: water
Date Received: 12/18/2001 **Time:** 10:10
Date Sampled: 12/14/2001 **Time:** 17:00

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
TPH by GC (as diesel)	<0.5	mg/L	0.5	<0.5	12/28/01	8015 mod.	---	4.8	70.1	114.2	78.8
TPH by GC (as diesel-ext)	---	---	---	---	12/20/01	3540	---	---	---	---	---
TPH by GC (as gasoline)	<0.5	mg/L	0.5	<0.5	12/28/01	8015 mod.	---	6.9	74.9	114.5	109.5
Volatile organics-8260b/BTEX	---	---	---	---	12/24/01	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	12/24/01	8260b	---	1.1	95	103.1	118.1
Ethylbenzene	<1	µg/L	1	<1	12/24/01	8260b	---	0.1	88.6	88.7	89.4
m,p-Xylenes	<1	µg/L	1	<1	12/24/01	8260b	---	0.3	80.8	81	81.4
o-Xylene	<1	µg/L	1	<1	12/24/01	8260b	---	0.3	96.4	98.1	87.5
Toluene	<1	µg/L	1	<1	12/24/01	8260b	---	1.9	98.4	103.9	121.3

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Client: Environmental Tech Group Attn: Britt Byerly	Project ID: Jimmy Cooper EOT 2074C Sample Name: MW 40	Report#/Lab ID#: 123950 Sample Matrix: water
--	--	---

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	132	50-150	---
p-Terphenyl	8015 mod.	127	50-150	---
1,2-Dichloroethane-d4	8260b	90.3	80-120	---
Toluene-d8	8260b	88.5	88-110	---

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

Client: Environmental Tech Group
Attn: Britt Byerly
Address: 4600 West Wall
Midland Tx 79703
Phone: (915) 522-1139 FAX: (915) 520-4310

Report#/Lab ID#: 123951 Report Date: 01/07/02
Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 41
Sample Matrix: water
Date Received: 12/18/2001 Time: 10:10
Date Sampled: 12/14/2001 Time: 16:45

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
TPH by GC (as diesel)	<0.5	mg/L	0.5	<0.5	12/28/01	8015 mod.	J	4.8	70.1	114.2	78.8
TPH by GC (as diesel-ext)	---	---	---	---	12/20/01	3540	---	---	---	---	---
TPH by GC (as gasoline)	<0.5	mg/L	0.5	<0.5	12/28/01	8015 mod.	J	6.9	74.9	114.5	109.5
Volatiles organics-8260b/BTEX	---	---	---	---	12/22/01	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	12/22/01	8260b	---	1.1	95	103.1	118.1
Ethylbenzene	<1	µg/L	1	<1	12/22/01	8260b	---	0.1	88.6	88.7	89.4
m,p-Xylenes	<1	µg/L	1	<1	12/22/01	8260b	J	0.3	80.8	81	81.4
o-Xylene	<1	µg/L	1	<1	12/22/01	8260b	---	0.3	96.4	98.1	87.5
Toluene	<1	µg/L	1	<1	12/22/01	8260b	---	1.9	98.4	103.9	121.3

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Client: Environmental Tech Group Attn: Britt Byerly	Project ID: Jimmy Cooper EOT 2074C Sample Name: MW 41
Report#/Lab ID#: 123951 Sample Matrix: water	

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	123	50-150	---
p-Terphenyl	8015 mod.	149	50-150	---
1,2-Dichloroethane-d4	8260b	101	80-120	---
Toluene-d8	8260b	99.6	88-110	---

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

Exceptions Report:

Report #/Lab ID#: 123951	Matrix: water	Attn: Britt Byerly
Client: Environmental Tech Group		
Project ID: Jimmy Cooper EOT 2074C		
Sample Name: MW 41		

Sample Temperature/Condition <=6°C

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Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
TPH by GC (as diesel)	J	See J-flag discussion above.
TPH by GC (as gasoline)	J	See J-flag discussion above.
m,p-Xylenes	J	See J-flag discussion above.

Notes:



ANALYSYS
INC.

4221 Freidrich Lane, Suite 190, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 444-5896 • FAX (512) 447-4766

Client: Environmental Tech Group

Attn: Britt Byerly

Address: 4600 West Wall
Midland

Tx 79703

Phone: (915) 522-1139 **FAX:** (915) 520-4310

Report#/Lab ID#: 123952 **Report Date:** 01/07/02

Project ID: Jimmy Cooper EOT 2074C

Sample Name: MW 42

Sample Matrix: water

Date Received: 12/18/2001 **Time:** 10:10

Date Sampled: 12/14/2001 **Time:** 17:15

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
TPH by GC (as diesel)	<0.5	mg/L	0.5	<0.5	12/28/01	8015 mod.	---	4.8	70.1	114.2	78.8
TPH by GC (as diesel-ext)	---	---	---	---	12/20/01	3540	---	---	---	---	---
TPH by GC (as gasoline)	<0.5	mg/L	0.5	<0.5	12/28/01	8015 mod.	---	6.9	74.9	114.5	109.5
Volatile organics-8260b/BTEX	---	---	---	---	12/22/01	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	12/22/01	8260b	---	1.1	95	103.1	118.1
Ethylbenzene	<1	µg/L	1	<1	12/22/01	8260b	---	0.1	88.6	88.7	89.4
m,p-Xylenes	<1	µg/L	1	<1	12/22/01	8260b	---	0.3	80.8	81	81.4
o-Xylene	<1	µg/L	1	<1	12/22/01	8260b	---	0.3	96.4	98.1	87.5
Toluene	<1	µg/L	1	<1	12/22/01	8260b	---	1.9	98.4	103.9	121.3

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Client: Environmental Tech Group
Attn: Britt Byerly

Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 42

Report#/Lab ID#: 123952
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	104	50-150	---
p-Terphenyl	8015 mod.	130	50-150	---
1,2-Dichloroethane-d4	8260b	88.5	80-120	---
Toluene-d8	8260b	103	88-110	---

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

Client: Environmental Tech Group

Attn: Britt Byerly

Address: 4600 West Wall
Midland

Tx 79703

Phone: (915) 522-1139 **FAX:** (915) 520-4310

Report#/Lab ID#: 123953 **Report Date:** 01/07/02

Project ID: Jimmy Cooper EOT 2074C

Sample Name: MW 43

Sample Matrix: water

Date Received: 12/18/2001 **Time:** 10:10

Date Sampled: 12/14/2001 **Time:** 15:00

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
TPH by GC (as diesel)	<0.5	mg/L	0.5	<0.5	12/28/01	8015 mod.	---	4.8	70.1	114.2	78.8
TPH by GC (as diesel-ext)	---	---	---	---	12/20/01	3540	---	---	---	---	---
TPH by GC (as gasoline)	<0.5	mg/L	0.5	<0.5	12/28/01	8015 mod.	J	6.9	74.9	114.5	109.5
Volatile organics-8260b/BTEX	---	---	---	---	12/22/01	8260b	---	---	---	---	---
Benzene	8.04	µg/L	1	<1	12/22/01	8260b	---	1.1	95	103.1	118.1
Ethylbenzene	8.01	µg/L	1	<1	12/22/01	8260b	---	0.1	88.6	88.7	89.4
m,p-Xylenes	20.9	µg/L	1	<1	12/22/01	8260b	---	0.3	80.8	81	81.4
o-Xylene	5.62	µg/L	1	<1	12/22/01	8260b	---	0.3	96.4	98.1	87.5
Toluene	<1	µg/L	1	<1	12/22/01	8260b	---	1.9	98.4	103.9	121.3

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Client: Environmental Tech Group
Attn: Britt Byerly

Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 43

Report#/Lab ID#: 123953
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5 p-Terphenyl	8015 mod.	124	50-150	---
	8015 mod.	127	50-150	---
1,2-Dichloroethane-d4 Toluene-d8	8260b	107	80-120	---
	8260b	102	88-110	---

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

Exceptions Report:

Report #/Lab ID#: 123953	Matrix: water	Attn: Britt Byerly
Client: Environmental Tech Group		
Project ID: Jimmy Cooper EOT 2074C		
Sample Name: MW 43		

Sample Temperature/Condition <=6°C

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Comments pertaining to Data Qualifiers and QC data:

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

Notes:

Client: Environmental Tech Group

Attn: Britt Byerly

Address: 4600 West Wall

Midland

Tx 79703

Phone: (915) 522-1139 **FAX:** (915) 520-4310

Report#/Lab ID#: 123954 **Report Date:** 01/07/02

Project ID: Jimmy Cooper EOT 2074C

Sample Name: MW 44

Sample Matrix: water

Date Received: 12/18/2001 **Time:** 10:10

Date Sampled: 12/14/2001 **Time:** 15:15

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
TPH by GC (as diesel)	<0.5	mg/L	0.5	<0.5	12/28/01	8015 mod.	---	4.8	70.1	114.2	78.8
TPH by GC (as diesel-ext)	---	---	---	---	12/20/01	3540	---	---	---	---	---
TPH by GC (as gasoline)	<0.5	mg/L	0.5	<0.5	12/28/01	8015 mod.	---	6.9	74.9	114.5	109.5
Volatile organics-8260b/BTEX	---	---	---	---	12/22/01	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	12/22/01	8260b	---	1.1	95	103.1	118.1
Ethylbenzene	<1	µg/L	1	<1	12/22/01	8260b	---	0.1	88.6	88.7	89.4
m,p-Xylenes	<1	µg/L	1	<1	12/22/01	8260b	---	0.3	80.8	81	81.4
o-Xylene	<1	µg/L	1	<1	12/22/01	8260b	---	0.3	96.4	98.1	87.5
Toluene	<1	µg/L	1	<1	12/22/01	8260b	---	1.9	98.4	103.9	121.3

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.

Client: Environmental Tech Group
Attn: Britt Byerly

Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 44

Report#/Lab ID#: 123954
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	117	50-150	---
p-Terphenyl	8015 mod.	133	50-150	---
1,2-Dichloroethane-d4	8260b	102	80-120	---
Toluene-d8	8260b	107	88-110	---

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

Client: Environmental Tech Group

Attn: Britt Byerly

Address: 4600 West Wall

Midland

Tx 79703

Phone: (915) 522-1139 **FAX:** (915) 520-4310

Report#/Lab ID#: 123955 **Report Date:** 01/07/02

Project ID: Jimmy Cooper EOT 2074C

Sample Name: MW 47

Sample Matrix: water

Date Received: 12/18/2001 **Time:** 10:10

Date Sampled: 12/14/2001 **Time:** 14:30

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
TPH by GC (as diesel)	<0.5	mg/L	0.5	<0.5	12/28/01	8015 mod.	---	4.8	70.1	114.2	78.8
TPH by GC (as diesel-ext)	---	---	---	---	12/20/01	3540	---	---	---	---	---
TPH by GC (as gasoline)	<0.5	mg/L	0.5	<0.5	12/28/01	8015 mod.	---	6.9	74.9	114.5	109.5
Volatile organics-8260b/BTEX	---	---	---	---	12/24/01	8260b	---	---	---	---	---
Benzene	3.53	µg/L	1	<1	12/24/01	8260b	---	1.1	95	103.1	118.1
Ethylbenzene	<1	µg/L	1	<1	12/24/01	8260b	J	0.1	88.6	88.7	89.4
m,p-Xylenes	<1	µg/L	1	<1	12/24/01	8260b	J	0.3	80.8	81	81.4
o-Xylene	<1	µg/L	1	<1	12/24/01	8260b	J	0.3	96.4	98.1	87.5
Toluene	<1	µg/L	1	<1	12/24/01	8260b	---	1.9	98.4	103.9	121.3

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Richard Laster

Richard Laster

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Client: Environmental Tech Group
Attn: Britt Byerly

Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 47

Report#/Lab ID#: 123955
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	114	50-150	---
p-Terphenyl	8015 mod.	149	50-150	---
1,2-Dichloroethane-d4	8260b	88.6	80-120	---
Toluene-d8	8260b	90.1	88-110	---

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

Exceptions Report:

Report #/Lab ID#: 123955 **Matrix:** water
Client: Environmental Tech Group **Attn:** Britt Byerly
Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 47

Sample Temperature/Condition $\leq 6^{\circ}\text{C}$

The typical sample temperature criteria (except for metals by ICP, GF AA and AA and a very few other tests) is $\leq 6^{\circ}\text{C}$. 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.
m,p-Xylenes	J	See J-flag discussion above.
o-Xylene	J	See J-flag discussion above.

Notes:

Client: Environmental Tech Group

Attn: Britt Byerly

Address: 4600 West Wall

Midland

Tx 79703

Phone: (915) 522-1139 **FAX:** (915) 520-4310

Report#/Lab ID#: 123956 **Report Date:** 01/07/02

Project ID: Jimmy Cooper EOT 2074C

Sample Name: MW 48

Sample Matrix: water

Date Received: 12/18/2001 **Time:** 10:10

Date Sampled: 12/14/2001 **Time:** 18:15

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
TPH by GC (as diesel)	<0.5	mg/L	0.5	<0.5	12/29/01	8015 mod.	J	4.8	70.1	114.2	78.8
TPH by GC (as diesel-ext)	---	---	---	---	12/20/01	3540	---	---	---	---	---
TPH by GC (as gasoline)	<0.5	mg/L	0.5	<0.5	12/28/01	8015 mod.	J	6.9	74.9	114.5	109.5
Volatile organics-8260b/BTEX	---	---	---	---	12/22/01	8260b	---	---	---	---	---
Benzene	3.66	µg/L	1	<1	12/22/01	8260b	---	1.1	95	103.1	118.1
Ethylbenzene	4.07	µg/L	1	<1	12/22/01	8260b	---	0.1	88.6	88.7	89.4
m,p-Xylenes	4.46	µg/L	1	<1	12/22/01	8260b	---	0.3	80.8	81	81.4
o-Xylene	<1	µg/L	1	<1	12/22/01	8260b	J	0.3	96.4	98.1	87.5
Toluene	<1	µg/L	1	<1	12/22/01	8260b	---	1.9	98.4	103.9	121.3

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Respectfully Submitted,

Richard Laster

Richard Laster

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Client: Environmental Tech Group
Attn: Britt Byerly

Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 48

Report#/Lab ID#: 123956
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	132	50-150	---
p-Terphenyl	8015 mod.	135	50-150	---
1,2-Dichloroethane-d4	8260b	104	80-120	---
Toluene-d8	8260b	99	88-110	---

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

Exceptions Report:

Report #/Lab ID#: 123956	Matrix: water	Attn: Britt Byerly
Client: Environmental Tech Group		
Project ID: Jimmy Cooper EOT 2074C		
Sample Name: MW 48		

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
TPH by GC (as diesel)	J	See J-flag discussion above.
TPH by GC (as gasoline)	J	See J-flag discussion above.
o-Xylene	J	See J-flag discussion above.

Notes:

Client: Environmental Tech Group
Attn: Britt Byerly
Address: 4600 West Wall
Midland Tx 79703
Phone: (915) 522-1139 **FAX:** (915) 520-4310

Report#/Lab ID#: 123957 **Report Date:** 01/07/02
Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 49
Sample Matrix: water
Date Received: 12/18/2001 **Time:** 10:10
Date Sampled: 12/14/2001 **Time:** 17:45

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
TPH by GC (as diesel)	<0.5	mg/L	0.5	<0.5	12/29/01	8015 mod.	---	4.8	70.1	114.2	78.8
TPH by GC (as diesel-ext)	---	---	---	---	12/20/01	3540	---	---	---	---	---
TPH by GC (as gasoline)	1.13	mg/L	0.5	<0.5	12/28/01	8015 mod.	---	6.9	74.9	114.5	109.5
Volatile organics-8260b/BTEX	---	---	---	---	12/22/01	8260b	---	---	---	---	---
Benzene	10.8	µg/L	1	<1	12/22/01	8260b	---	1.1	95	103.1	118.1
Ethylbenzene	19.3	µg/L	1	<1	12/22/01	8260b	---	0.1	88.6	88.7	89.4
m,p-Xylenes	59.2	µg/L	1	<1	12/22/01	8260b	---	0.3	80.8	81	81.4
o-Xylene	15.5	µg/L	1	<1	12/22/01	8260b	---	0.3	96.4	98.1	87.5
Toluene	<1	µg/L	1	<1	12/22/01	8260b	J	1.9	98.4	103.9	121.3

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Respectfully Submitted,

Richard Laster

Richard Laster

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Client: Environmental Tech Group
Attn: Britt Byerly

Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 49

Report#/Lab ID#: 123957
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5 p-Terphenyl	8015 mod.	113	50-150	---
	8015 mod.	127	50-150	---
1,2-Dichloroethane-d4 Toluene-d8	8260b	99.5	80-120	---
	8260b	104	88-110	---

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

Exceptions Report:

Report #/Lab ID#: 123957	Matrix: water	Attn: Britt Byerly
Client: Environmental Tech Group		
Project ID: Jimmy Cooper EOT 2074C		
Sample Name: MW 49		

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
Toluene	J	See J-flag discussion above.

Notes:

CHAIN-OF-CUSTODY

Send Reports To:

Company Name E.T.G.I.

Address 4600 West Wall

City Midland State TX Zip 79703

ATTN: Bertie Byerly

Phone (915) 522-1139 Fax (915) 520-4310

Bill to (if different):

Company Name EOT

Address _____

City _____ State _____ Zip _____

ATTN: _____

Phone _____ Fax _____

Rush Status (must be confirmed with lab mgr.): _____

Project Name/PO#: Jimmy Cooper Sampler: Simon Casas

EOT 18074C

ANALYSYS INC.

4221 Freidrich Lane, Suite 190, Austin, TX 78714

Phone: (512) 444-5896

Fax: (512) 447-4766

Analyses Requested (1)

Please attach explanatory information as required

Client Sample No. Description/Identification	Date Sampled	Time Sampled	No. of Containers	Soil	Water	Waste	Lab I.D. # (Lab only)	Comments
MW 2	12-14-01	1015	6		X		123922	X
MW 3		1030					123923	
MW 4		1040					123924	
MW 5		1000					123925	
MW 6		0945					123926	
MW 12		1050					123927	
MW 13		1600					123928	
MW 14		1130					123929	
MW 15		1115					123930	
MW 16		1100					123931	

Box 8015 DR 01/01/01

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 (MIDL/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 HSLC list at ASI's option. Specific compound lists must be supplied for all GC procedures.

Temp 1.7 °C

Sample Relinquished By			Sample Received By		
Name	Affiliation	Date	Name	Affiliation	Date
Simon Casas	E.T.G.I.	12/17-01/1200	Michael Thompson	ASI	12/18/01 1010

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

Feb 4

CHAIN-OF-CUSTODY

Send Reports To:

Company Name E.T.G., Inc.
 Address 4600 West Wall
 City Irving State TX Zip 79703
 ATTN: Keith Byerly
 Phone (915) 522 1159 Fax (915) 520-4310

Bill to (if different):

Company Name EOTI
 Address _____
 City _____ State _____ Zip _____
 ATTN: _____
 Phone _____ Fax _____

Rush Status (must be confirmed with lab mgr.): _____

Project Name/PO#: Jimmy Cooper Sampler: Simon Case

60720746

Client Sample No. Description/Identification	Date Sampled	Time Sampled	No. of Containers	Soil	Water	Waste	Lab I.D. # (Lab only)	Analyses Requested (1)	
								Please attach explanatory information as required	
MW 17	12-14-01	1145	5		X		123932	X	
MW 19		1345					123933		
MW 21		1400					123934		
MW 23		1415					123935		
MW 24		1215					123936		
MW 25		1245					123937		
MW 26		1300					123938		
MW 27		1200					123939		
MW 28		1230					123940		
MW 29		1315					123941		

EOTI 60720746
 EOTI 60720746
 EOTI 60720746

(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 (ADD/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.

Temp 7.7 °C

Sample Relinquished By			Sample Received By		
Name	Affiliation	Date	Name	Affiliation	Date
Simon Case	E.T.G.I.	12/17/01	Melanie Humphrey	ASI	12/18/01
					1010

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

CHAIN-OF-CUSTODY

Send Reports To:

Company Name E.T.G.I.
 Address 4600 W. 135th WALL
 City MIDLAND State TX Zip 79703
 ATTN: Bart Byers
 Phone (915) 522 1139 Fax (915) 520-4310

Bill to (if different):

Company Name E.T.G.I.
 Address _____
 City _____ State _____ Zip _____
 ATTN: _____
 Phone _____ Fax _____

Rush Status (must be confirmed with lab mgr.): _____

Project Name/PO# Jimmy Carpes Sampler: James Carpes
507/2034C

Client Sample No. Description/Identification	Date Sampled	Time Sampled	No. of Containers	Soil	Water	Waste	Lab I.D. # (Lab only)	Comments
MW 31	12-4-01	1330	5		X		123942	X
MW 32		1445					123943	
MW 34		1530					123944	
MW 35		1600					123945	
MW 36		1615					123946	
MW 37		1545					123947	
MW 38		1730					123948	
MW 39		1700					123949	
MW 40		1645					123950	
MW 41							123951	

Analyses Requested (1)

Please attach explanatory information as required

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 (MIDL/PHL). For GC/MS volatiles and extractables, unless specific analytical parameter lists are specified on 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.

Sample Relinquished By			Sample Received By		
Name	Affiliation	Date	Name	Affiliation	Date
James Carpes	ETGI	12/4/01	Michael Thompson	ASI	12/18/01

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

Client: Environmental Tech Group
Attn: Britt Byerly
Address: 4600 West Wall
Midland Tx 79703

Phone: (915) 522-1139 FAX: (915) 520-4310

Report#/Lab ID#: 127656 Report Date: 04/16/02
Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 2
Sample Matrix: water
Date Received: 04/03/2002 Time: 09:46
Date Sampled: 04/01/2002 Time: 14:05

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
TPH by GC (as diesel)	<0.5	mg/L	0.5	<0.5	04/08/02	8015 mod.	---	2.8	109.4	116.4	119.8
TPH by GC (as diesel-ext)	---	---	---	---	04/08/02	3540	---	---	---	---	---
TPH by GC (as gasoline)	<0.5	mg/L	0.5	<0.5	04/08/02	8015 mod.	---	1.6	102.2	109.9	111.8
Volatile organics-8260b/BTEX	---	---	---	---	04/05/02	8260b	---	---	---	---	---
Benzene	13.5	µg/L	1	<1	04/05/02	8260b	---	9.2	91.7	88.8	86.7
Ethylbenzene	1.46	µg/L	1	<1	04/05/02	8260b	---	0.3	109	108.6	106.2
m,p-Xylenes	3.89	µg/L	1	<1	04/05/02	8260b	---	0.6	115	114.8	111.6
o-Xylene	<1	µg/L	1	<1	04/05/02	8260b	---	2	109.7	108.4	110.1
Toluene	<1	µg/L	1	<1	04/05/02	8260b	---	15.2	105.2	99.8	95.7

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.

Client: Environmental Tech Group
Attn: Britt Byerly

Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 2

Report#/Lab ID#: 127656
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	145	50-150	---
p-Terphenyl	8015 mod.	141	50-150	---
1,2-Dichloroethane-d4	8260b	91.3	80-120	---
Toluene-d8	8260b	101	88-110	---

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

Client: Environmental Tech Group
Attn: Britt Byerly
Address: 4600 West Wall
Midland

Tx 79703

Phone: (915) 522-1139 **FAX:** (915) 520-4310

Report#/Lab ID#: 127657 **Report Date:** 04/16/02
Project ID: Jimmy Cooper EOT 2074C

Sample Name: MW 5

Sample Matrix: water

Date Received: 04/03/2002 **Time:** 09:46

Date Sampled: 04/01/2002 **Time:** 14:20

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA 1

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)	15.5	mg/L	0.5	<0.5	04/08/02	8015 mod.	---	2.8	109.4	116.4	119.8
TPH by GC (as diesel-ext)	---	---	---	---	04/08/02	3540	---	---	---	---	---
TPH by GC (as gasoline)	3.77	mg/L	0.5	<0.5	04/08/02	8015 mod.	---	1.6	102.2	109.9	111.8
Volatile organics-8260b/BTEX	---	---	---	---	04/05/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	04/05/02	8260b	J	0.3	99.2	95.7	100.7
Ethylbenzene	3.81	µg/L	1	<1	04/05/02	8260b	---	0.3	97.3	100.8	98
m,p-Xylenes	18.6	µg/L	1	<1	04/05/02	8260b	---	0.1	100.1	104.6	100.8
o-Xylene	7.91	µg/L	1	<1	04/05/02	8260b	---	1.6	95.9	99.1	96.9
Toluene	<1	µg/L	1	<1	04/05/02	8260b	---	0.3	107.8	103.2	111.7

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

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Client: Environmental Tech Group
Attn: Britt Byerly

Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 5

Report#/Lab ID#: 127657
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5 p-Terphenyl	8015 mod.	142	50-150	---
	8015 mod.	140	50-150	---
1,2-Dichloroethane-d4 Toluene-d8	8260b	107	80-120	---
	8260b	95	88-110	---

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

Exceptions Report:

Report #/Lab ID#: 127657	Matrix: water	Attn: Britt Byerly
Client: Environmental Tech Group		
Project ID: Jimmy Cooper EOT 2074C		
Sample Name: MW 5		

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
Benzene	J	See J-flag discussion above.

Notes:

Client: Environmental Tech Group
Attn: Britt Byerly
Address: 4600 West Wall
Midland Tx 79703

Phone: (915) 522-1139 **FAX:** (915) 520-4310

Report#/Lab ID#: 127658 **Report Date:** 04/16/02
Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 6
Sample Matrix: water
Date Received: 04/03/2002 **Time:** 09:46
Date Sampled: 04/01/2002 **Time:** 14:12

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
TPH by GC (as diesel)	<0.5	mg/L	0.5	<0.5	04/08/02	8015 mod.	---	2.8	109.4	116.4	119.8
TPH by GC (as diesel-ext)	---	---	---	---	04/08/02	3540	---	---	---	---	---
TPH by GC (as gasoline)	<0.5	mg/L	0.5	<0.5	04/08/02	8015 mod.	---	1.6	102.2	109.9	111.8
Volatile organics-8260b/BTEX	---	---	---	---	04/05/02	8260b	---	---	---	---	---
Benzene	4.75	µg/L	1	<1	04/05/02	8260b	---	9.2	91.7	88.8	86.7
Ethylbenzene	1.32	µg/L	1	<1	04/05/02	8260b	---	0.3	109	108.6	106.2
m,p-Xylenes	<1	µg/L	1	<1	04/05/02	8260b	J	0.6	115	114.8	111.6
o-Xylene	<1	µg/L	1	<1	04/05/02	8260b	---	2	109.7	108.4	110.1
Toluene	<1	µg/L	1	<1	04/05/02	8260b	---	15.2	105.2	99.8	95.7

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Respectfully Submitted,

Richard Laster

Richard Laster

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Client: Environmental Tech Group
Attn: Britt Byerly

Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 6

Report#/Lab ID#: 127658
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5 p-Terphenyl	8015 mod.	149	50-150	---
	8015 mod.	141	50-150	---
1,2-Dichloroethane-d4 Toluene-d8	8260b	102	80-120	---
	8260b	96.1	88-110	---

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

Exceptions Report:

Report #/Lab ID#: 127658	Matrix: water	Attn: Britt Byerly
Client: Environmental Tech Group		
Project ID: Jimmy Cooper EOT 2074C		
Sample Name: MW 6		

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
m,p-Xylenes	J	See J-flag discussion above.

Notes:

Client: Environmental Tech Group
Attn: Britt Byerly
Address: 4600 West Wall
Midland

Tx 79703

Phone: (915) 522-1139 **FAX:** (915) 520-4310

Report#/Lab ID#: 127659 **Report Date:** 04/16/02
Project ID: Jimmy Cooper EOT 2074C

Sample Name: MW 12

Sample Matrix: water

Date Received: 04/03/2002 **Time:** 09:46

Date Sampled: 04/01/2002 **Time:** 16:05

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA 1

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)	<0.5	mg/L	0.5	<0.5	04/08/02	8015 mod.	---	2.8	109.4	116.4	119.8
TPH by GC (as diesel-ext)	---	---	---	---	04/08/02	3540	---	---	---	---	---
TPH by GC (as gasoline)	<0.5	mg/L	0.5	<0.5	04/08/02	8015 mod.	---	1.6	102.2	109.9	111.8
Volatile organics-8260b/BTEX	---	---	---	---	04/04/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	04/04/02	8260b	---	0.3	99.2	95.7	100.7
Ethylbenzene	<1	µg/L	1	<1	04/04/02	8260b	J	0.3	97.3	100.8	98
m,p-Xylenes	3.11	µg/L	1	<1	04/04/02	8260b	---	0.1	100.1	104.6	100.8
o-Xylene	1.27	µg/L	1	<1	04/04/02	8260b	---	1.6	95.9	99.1	96.9
Toluene	<1	µg/L	1	<1	04/04/02	8260b	---	0.3	107.8	103.2	111.7

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Respectfully Submitted,

Richard Laster

Richard Laster

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Client: Environmental Tech Group
Attn: Britt Byerly

Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 12

Report#/Lab ID#: 127659
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	148	50-150	---
p-Terphenyl	8015 mod.	140	50-150	---
1,2-Dichloroethane-d4	8260b	100	80-120	---
Toluene-d8	8260b	97	88-110	---

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

Exceptions Report:

Report #/Lab ID#: 127659	Matrix: water	Attn: Britt Byerly
Client: Environmental Tech Group		
Project ID: Jimmy Cooper EOT 2074C		
Sample Name: MW 12		

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

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- ☐ 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 Tech Group
Attn: Britt Byerly
Address: 4600 West Wall
Midland

Tx 79703

Phone: (915) 522-1139 **FAX:** (915) 520-4310

Report#/Lab ID#: 127660 **Report Date:** 04/16/02
Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 13
Sample Matrix: water
Date Received: 04/03/2002 **Time:** 09:46
Date Sampled: 04/01/2002 **Time:** 15:50

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA 1

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)	<0.5	mg/L	0.5	<0.5	04/08/02	8015 mod.	---	2.8	109.4	116.4	119.8
TPH by GC (as diesel-ext)	---	---	---	---	04/08/02	3540	---	---	---	---	---
TPH by GC (as gasoline)	<0.5	mg/L	0.5	<0.5	04/08/02	8015 mod.	---	1.6	102.2	109.9	111.8
Volatiles organics-8260b/BTEX	---	---	---	---	04/05/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	04/05/02	8260b	---	0.4	85.5	80.6	82.4
Ethylbenzene	<1	µg/L	1	<1	04/05/02	8260b	---	4.1	111.5	98.7	106.4
m,p-Xylenes	<1	µg/L	1	<1	04/05/02	8260b	---	5.4	117.3	103.1	109.6
o-Xylene	<1	µg/L	1	<1	04/05/02	8260b	---	4.7	111.6	101.8	106.5
Toluene	<1	µg/L	1	<1	04/05/02	8260b	---	0.6	93	85	88.2

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Respectfully Submitted,

Richard Laster

Richard Laster

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Client: Environmental Tech Group
Attn: Britt Byerly

Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 13

Report#/Lab ID#: 127660
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5 p-Terphenyl	8015 mod.	149	50-150	---
	8015 mod.	139	50-150	---
1,2-Dichloroethane-d4 Toluene-d8	8260b	97	80-120	---
	8260b	101	88-110	---

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

Client: Environmental Tech Group
Attn: Britt Byerly
Address: 4600 West Wall
Midland Tx 79703

Phone: (915) 522-1139 FAX: (915) 520-4310

Report#/Lab ID#: 127661 Report Date: 04/16/02
Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 14
Sample Matrix: water
Date Received: 04/03/2002 Time: 09:46
Date Sampled: 04/01/2002 Time: 16:30

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
TPH by GC (as diesel)	<0.5	mg/L	0.5	<0.5	04/08/02	8015 mod.	---	2.8	109.4	116.4	119.8
TPH by GC (as diesel-ext)	---	---	---	---	04/08/02	3540	---	---	---	---	---
TPH by GC (as gasoline)	<0.5	mg/L	0.5	<0.5	04/08/02	8015 mod.	---	1.6	102.2	109.9	111.8
Volatile organics-8260b/BTEX	---	---	---	---	04/05/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	04/05/02	8260b	---	9.2	91.7	88.8	86.7
Ethylbenzene	<1	µg/L	1	<1	04/05/02	8260b	---	0.3	109	108.6	106.2
m,p-Xylenes	<1	µg/L	1	<1	04/05/02	8260b	---	0.6	115	114.8	111.6
o-Xylene	<1	µg/L	1	<1	04/05/02	8260b	---	2	109.7	108.4	110.1
Toluene	<1	µg/L	1	<1	04/05/02	8260b	---	15.2	105.2	99.8	95.7

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Respectfully Submitted,

Richard Laster

Richard Laster

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Client: Environmental Tech Group
Attn: Britt Byerly

Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 14

Report#/Lab ID#: 127661
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5 p-Terphenyl	8015 mod.	111	50-150	---
	8015 mod.	98	50-150	---
1,2-Dichloroethane-d4 Toluene-d8	8260b	91.9	80-120	---
	8260b	98	88-110	---

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

Client: Environmental Tech Group

Attn: Britt Byerly

Address: 4600 West Wall

Tx 79703

Midland

Phone: (915) 522-1139 **FAX:** (915) 520-4310

Report#/Lab ID#: 127662 **Report Date:** 04/16/02

Project ID: Jimmy Cooper EOT 2074C

Sample Name: MW 15

Sample Matrix: water

Date Received: 04/03/2002 **Time:** 09:46

Date Sampled: 04/01/2002 **Time:** 16:20

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
TPH by GC (as diesel)	<0.5	mg/L	0.5	<0.5	04/08/02	8015 mod.	---	2.8	109.4	116.4	119.8
TPH by GC (as diesel-ext)	---	---	---	---	04/08/02	3540	---	---	---	---	---
TPH by GC (as gasoline)	<0.5	mg/L	0.5	<0.5	04/08/02	8015 mod.	---	1.6	102.2	109.9	111.8
Volatile organics-8260b/BTEX	---	---	---	---	04/05/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	04/05/02	8260b	---	9.2	91.7	88.8	86.7
Ethylbenzene	<1	µg/L	1	<1	04/05/02	8260b	---	0.3	109	108.6	106.2
m,p-Xylenes	<1	µg/L	1	<1	04/05/02	8260b	---	0.6	115	114.8	111.6
o-Xylenes	<1	µg/L	1	<1	04/05/02	8260b	---	2	109.7	108.4	110.1
Toluene	<1	µg/L	1	<1	04/05/02	8260b	---	15.2	105.2	99.8	95.7

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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.

Client: Environmental Tech Group
Attn: Britt Byerly

Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 15

Report#/Lab ID#: 127662
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	109	50-150	---
p-Terphenyl	8015 mod.	99.5	50-150	---
1,2-Dichloroethane-d4	8260b	89.3	80-120	---
Toluene-d8	8260b	97.7	88-110	---

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

Client: Environmental Tech Group
Attn: Britt Byerly
Address: 4600 West Wall
Midland Tx 79703

Phone: (915) 522-1139 FAX: (915) 520-4310

Report#/Lab ID#: 127663 Report Date: 04/16/02
Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 16
Sample Matrix: water
Date Received: 04/03/2002 Time: 09:46
Date Sampled: 04/01/2002 Time: 16:25

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA 1

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)	<0.5	mg/L	0.5	<0.5	04/08/02	8015 mod.	---	2.8	109.4	116.4	119.8
TPH by GC (as diesel-ext)	---	---	---	---	04/08/02	3540	---	---	---	---	---
TPH by GC (as gasoline)	<0.5	mg/L	0.5	<0.5	04/08/02	8015 mod.	---	1.6	102.2	109.9	111.8
Volatile organics-8260b/BTEX	---	---	---	---	04/05/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	04/05/02	8260b	---	9.2	91.7	88.8	86.7
Ethylbenzene	<1	µg/L	1	<1	04/05/02	8260b	---	0.3	109	108.6	106.2
m,p-Xylenes	<1	µg/L	1	<1	04/05/02	8260b	---	0.6	115	114.8	111.6
o-Xylene	<1	µg/L	1	<1	04/05/02	8260b	---	2	109.7	108.4	110.1
Toluene	<1	µg/L	1	<1	04/05/02	8260b	---	15.2	105.2	99.8	95.7

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Respectfully Submitted,

Richard Laster

Richard Laster

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Client: Environmental Tech Group
Attn: Britt Byerly

Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 16

Report#/Lab ID#: 127663
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	138	50-150	---
p-Terphenyl	8015 mod.	92	50-150	---
1,2-Dichloroethane-d4	8260b	89.5	80-120	---
Toluene-d8	8260b	99.7	88-110	---

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

Client: Environmental Tech Group
Attn: Britt Byerly
Address: 4600 West Wall
Midland Tx 79703

Phone: (915) 522-1139 FAX: (915) 520-4310

Report#/Lab ID#: 127664 Report Date: 04/16/02
Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 17
Sample Matrix: water
Date Received: 04/03/2002 Time: 09:46
Date Sampled: 04/01/2002 Time: 15:55

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA 1

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)	<0.5	mg/L	0.5	<0.5	04/08/02	8015 mod.	---	2.8	109.4	116.4	119.8
TPH by GC (as diesel-ext)	---	---	---	---	04/08/02	3540	---	---	---	---	---
TPH by GC (as gasoline)	<0.5	mg/L	0.5	<0.5	04/08/02	8015 mod.	---	1.6	102.2	109.9	111.8
Volatile organics-8260b/BTEX	---	---	---	---	04/05/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	04/05/02	8260b	---	9.2	91.7	88.8	86.7
Ethylbenzene	<1	µg/L	1	<1	04/05/02	8260b	---	0.3	109	108.6	106.2
m,p-Xylenes	<1	µg/L	1	<1	04/05/02	8260b	---	0.6	115	114.8	111.6
o-Xylene	<1	µg/L	1	<1	04/05/02	8260b	---	2	109.7	108.4	110.1
Toluene	<1	µg/L	1	<1	04/05/02	8260b	---	15.2	105.2	99.8	95.7

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 Lauster

Richard Lauster

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Client: Environmental Tech Group
Attn: Britt Byerly

Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 17

Report#/Lab ID#: 127664
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5 p-Terphenyl	8015 mod.	116	50-150	---
	8015 mod.	95.2	50-150	---
1,2-Dichloroethane-d4 Toluene-d8	8260b	100	80-120	---
	8260b	93.9	88-110	---

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

Client: Environmental Tech Group
Attn: Britt Byerly
Address: 4600 West Wall
Midland Tx 79703

Phone: (915) 522-1139 FAX: (915) 520-4310

Report# / Lab ID#: 127665 Report Date: 04/16/02
Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 19
Sample Matrix: water
Date Received: 04/03/2002 Time: 09:46
Date Sampled: 04/01/2002 Time: 15:35

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA 1

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)	<0.5	mg/L	0.5	<0.5	04/08/02	8015 mod.	---	2.8	109.4	116.4	119.8
TPH by GC (as diesel-ext)	---	---	---	---	04/08/02	3540	---	---	---	---	---
TPH by GC (as gasoline)	<0.5	mg/L	0.5	<0.5	04/08/02	8015 mod.	---	1.6	102.2	109.9	111.8
Volatle organics-8260b/BTEX	---	---	---	---	04/05/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	04/05/02	8260b	---	9.2	91.7	88.8	86.7
Ethylbenzene	<1	µg/L	1	<1	04/05/02	8260b	---	0.3	109	108.6	106.2
m,p-Xylenes	<1	µg/L	1	<1	04/05/02	8260b	---	0.6	115	114.8	111.6
o-Xylene	<1	µg/L	1	<1	04/05/02	8260b	---	2	109.7	108.4	110.1
Toluene	<1	µg/L	1	<1	04/05/02	8260b	---	15.2	105.2	99.8	95.7

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Respectfully Submitted,

Richard Laster

Richard Laster

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Client: Environmental Tech Group
Attn: Britt Byerly

Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 19

Report#/Lab ID#: 127665
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	125	50-150	---
p-Terphenyl	8015 mod.	94.2	50-150	---
1,2-Dichloroethane-d4	8260b	89.8	80-120	---
Toluene-d8	8260b	99.7	88-110	---

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

Client: Environmental Tech Group
Attn: Britt Byerly
Address: 4600 West Wall
Midland Tx 79703

Phone: (915) 522-1139 FAX: (915) 520-4310

Report#/Lab ID#: 127666 Report Date: 04/16/02
Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 21
Sample Matrix: water
Date Received: 04/03/2002 Time: 09:46
Date Sampled: 04/01/2002 Time: 15:40

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
TPH by GC (as diesel)	<0.5	mg/L	0.5	<0.5	04/08/02	8015 mod.	---	2.8	109.4	116.4	119.8
TPH by GC (as diesel-ext)	---	---	---	---	04/08/02	3540	---	---	---	---	---
TPH by GC (as gasoline)	<0.5	mg/L	0.5	<0.5	04/08/02	8015 mod.	---	1.6	102.2	109.9	111.8
Volatile organics-8260b/BTEX	---	---	---	---	04/05/02	8260b	---	---	---	---	---
Benzene	1.11	µg/L	1	<1	04/05/02	8260b	---	9.2	91.7	88.8	86.7
Ethylbenzene	1.21	µg/L	1	<1	04/05/02	8260b	---	0.3	109	108.6	106.2
m,p-Xylenes	5.68	µg/L	1	<1	04/05/02	8260b	---	0.6	115	114.8	111.6
o-Xylene	1.86	µg/L	1	<1	04/05/02	8260b	---	2	109.7	108.4	110.1
Toluene	<1	µg/L	1	<1	04/05/02	8260b	J	15.2	105.2	99.8	95.7

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Respectfully Submitted,

Richard Laster

Richard Laster

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Client: Environmental Tech Group
Attn: Britt Byerly

Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 21

Report#/Lab ID#: 127666
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	122	50-150	---
p-Terphenyl	8015 mod.	93.1	50-150	---
1,2-Dichloroethane-d4	8260b	100	80-120	---
Toluene-d8	8260b	98.8	88-110	---

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

Exceptions Report:

Report #/Lab ID#: 127666	Matrix: water	Attn: Britt Byerly
Client: Environmental Tech Group		
Project ID: Jimmy Cooper EOT 2074C		
Sample Name: MW 21		

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
Toluene	J	See J-flag discussion above.

Notes:

Client: Environmental Tech Group
Attn: Britt Byerly
Address: 4600 West Wall
Midland

Tx 79703

Phone: (915) 522-1139 **FAX:** (915) 520-4310

Report#/Lab ID#: 127667 **Report Date:** 04/16/02

Project ID: Jimmy Cooper EOT 2074C

Sample Name: MW 23

Sample Matrix: water

Date Received: 04/03/2002 **Time:** 09:46

Date Sampled: 04/01/2002 **Time:** 15:45

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
TPH by GC (as diesel)	<0.5	mg/L	0.5	<0.5	04/08/02	8015 mod.	J	2.8	109.4	116.4	119.8
TPH by GC (as diesel-ext)	---	---	---	---	04/08/02	3540	---	---	---	---	---
TPH by GC (as gasoline)	0.884	mg/L	0.5	<0.5	04/08/02	8015 mod.	J	1.6	102.2	109.9	111.8
Volatile organics-8260b/BTEX	---	---	---	---	04/09/02	8260b	---	---	---	---	---
Benzene	54.1	µg/L	1	<1	04/09/02	8260b	---	9.2	91.7	88.8	86.7
Ethylbenzene	52.5	µg/L	1	<1	04/09/02	8260b	---	0.3	109	108.6	106.2
m,p-Xylenes	93.8	µg/L	1	<1	04/09/02	8260b	---	0.6	115	114.8	111.6
o-Xylene	34.6	µg/L	1	<1	04/09/02	8260b	---	2	109.7	108.4	110.1
Toluene	2.73	µg/L	1	<1	04/09/02	8260b	---	15.2	105.2	99.8	95.7

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Respectfully Submitted,

Richard Laster

Richard Laster

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4221 Freidrich Lane, Suite 190, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 7840408
(512) 444-5896 • FAX (512) 447-4766

Client: Environmental Tech Group
Attn: Britt Byerly

Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 23

Report#/Lab ID#: 127667
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	96.7	50-150	---
p-Terphenyl	8015 mod.	83.5	50-150	---
1,2-Dichloroethane-d4	8260b	91.2	80-120	---
Toluene-d8	8260b	91.2	88-110	---

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

Exceptions Report:

Report #/Lab ID#: 127667 Matrix: water
Client: Environmental Tech Group Attn: Britt Byerly
Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 23

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
TPH by GC (as diesel)	J	See J-flag discussion above.
TPH by GC (as gasoline)	J	See J-flag discussion above.

Notes:

Client: Environmental Tech Group
Attn: Britt Byerly
Address: 4600 West Wall
Midland Tx 79703

Phone: (915) 522-1139 **FAX:** (915) 520-4310

Report#/Lab ID#: 127668 **Report Date:** 04/16/02
Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 24
Sample Matrix: water
Date Received: 04/03/2002 **Time:** 09:46
Date Sampled: 04/01/2002 **Time:** 16:10

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA 1

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)	26.4	mg/L	0.5	<0.5	04/08/02	8015 mod.	---	2.8	109.4	116.4	119.8
TPH by GC (as diesel-ext)	---	---	---	---	04/08/02	3540	---	---	---	---	---
TPH by GC (as gasoline)	12.9	mg/L	0.5	<0.5	04/08/02	8015 mod.	---	1.6	102.2	109.9	111.8
Volatile organics-8260b/BTEX	---	---	---	---	04/09/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	04/09/02	8260b	---	9.2	91.7	88.8	86.7
Ethylbenzene	<1	µg/L	1	<1	04/09/02	8260b	---	0.3	109	108.6	106.2
m,p-Xylenes	1.11	µg/L	1	<1	04/09/02	8260b	---	0.6	115	114.8	111.6
o-Xylene	<1	µg/L	1	<1	04/09/02	8260b	J	2	109.7	108.4	110.1
Toluene	<1	µg/L	1	<1	04/09/02	8260b	---	15.2	105.2	99.8	95.7

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Respectfully Submitted,

Richard Laster

Richard Laster

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Client: Environmental Tech Group
Attn: Britt Byerly

Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 24

Report#/Lab ID#: 127668
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	97.2	50-150	---
p-Terphenyl	8015 mod.	75.1	50-150	---
1,2-Dichloroethane-d4	8260b	102	80-120	---
Toluene-d8	8260b	94.5	88-110	---

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

Exceptions Report:

Report #/Lab ID#: 127668	Matrix: water	Attn: Britt Byerly
Client: Environmental Tech Group		
Project ID: Jimmy Cooper EOT 2074C		
Sample Name: MW 24		

Sample Temperature/Condition $\leq 6^{\circ}\text{C}$

The typical sample temperature criteria (except for metals by ICP, GFAA and AA and a very few other tests) is $\leq 6^{\circ}\text{C}$. 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
o-Xylene	J	See J-flag discussion above.

Notes:

Client: Environmental Tech Group

Attn: Britt Byerly

Address: 4600 West Wall

Midland

Tx 79703

Phone: (915) 522-1139 FAX: (915) 520-4310

Report#/Lab ID#: 127669 Report Date: 04/16/02

Project ID: Jimmy Cooper EOT 2074C

Sample Name: MW 25

Sample Matrix: water

Date Received: 04/03/2002 Time: 09:46

Date Sampled: 04/01/2002 Time: 16:35

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
TPH by GC (as diesel)	<0.5	mg/L	0.5	<0.5	04/08/02	8015 mod.	---	2.8	109.4	116.4	119.8
TPH by GC (as diesel-ext)	---	---	---	---	04/08/02	3540	---	---	---	---	---
TPH by GC (as gasoline)	0.564	mg/L	0.5	<0.5	04/08/02	8015 mod.	---	1.6	102.2	109.9	111.8
Volatile organics-8260b/BTEX	---	---	---	---	04/09/02	8260b	---	---	---	---	---
Benzene	4.34	µg/L	1	<1	04/09/02	8260b	---	0.4	85.5	80.6	82.4
Ethylbenzene	6.54	µg/L	1	<1	04/09/02	8260b	---	4.1	111.5	98.7	106.4
m,p-Xylenes	8.6	µg/L	1	<1	04/09/02	8260b	---	5.4	117.3	103.1	109.6
o-Xylene	<1	µg/L	1	<1	04/09/02	8260b	---	4.7	111.6	101.8	106.5
Toluene	<1	µg/L	1	<1	04/09/02	8260b	---	0.6	93	85	88.2

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Respectfully Submitted,

Richard Laster

Richard Laster

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Client: Environmental Tech Group
Attn: Britt Byerly

Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 25

Report#/Lab ID#: 127669
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	101	50-150	---
p-Terphenyl	8015 mod.	93.1	50-150	---
1,2-Dichloroethane-d4	8260b	105	80-120	---
Toluene-d8	8260b	94.1	88-110	---

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

Client: Environmental Tech Group

Attn: Britt Byerly

Address: 4600 West Wall
Midland

Tx 79703

Phone: (915) 522-1139 **FAX:** (915) 520-4310

Report#/Lab ID#: 127670 **Report Date:** 04/16/02

Project ID: Jimmy Cooper EOT 2074C

Sample Name: MW 26

Sample Matrix: water

Date Received: 04/03/2002 **Time:** 09:46

Date Sampled: 04/01/2002 **Time:** 16:40

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
TPH by GC (as diesel)	<0.5	mg/L	0.5	<0.5	04/08/02	8015 mod.	---	2.8	109.4	116.4	119.8
TPH by GC (as diesel-ext)	---	---	---	---	04/08/02	3540	---	---	---	---	---
TPH by GC (as gasoline)	0.885	mg/L	0.5	<0.5	04/08/02	8015 mod.	---	1.6	102.2	109.9	111.8
Volatile organics-8260b/BTEX	---	---	---	---	04/05/02	8260b	---	---	---	---	---
Benzene	26.7	µg/L	1	<1	04/05/02	8260b	---	9.2	91.7	88.8	86.7
Ethylbenzene	28.8	µg/L	1	<1	04/05/02	8260b	---	0.3	109	108.6	106.2
m,p-Xylenes	63.6	µg/L	1	<1	04/05/02	8260b	---	0.6	115	114.8	111.6
o-Xylene	3.21	µg/L	1	<1	04/05/02	8260b	---	2	109.7	108.4	110.1
Toluene	<1	µg/L	1	<1	04/05/02	8260b	---	15.2	105.2	99.8	95.7

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Client: Environmental Tech Group
Attn: Britt Byerly

Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 26

Report#/Lab ID#: 127670
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	113	50-150	---
p-Terphenyl	8015 mod.	89.9	50-150	---
1,2-Dichloroethane-d4	8260b	106	80-120	---
Toluene-d8	8260b	97.1	88-110	---

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

Client: Environmental Tech Group
Attn: Britt Byerly
Address: 4600 West Wall
Midland

Tx 79703

Phone: (915) 522-1139 **FAX:** (915) 520-4310

Report#/Lab ID#: 127671 **Report Date:** 04/16/02
Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 27
Sample Matrix: water
Date Received: 04/03/2002 **Time:** 09:46
Date Sampled: 04/01/2002 **Time:** 16:00

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
TPH by GC (as diesel)	<0.5	mg/L	0.5	<0.5	04/08/02	8015 mod.	---	2.8	109.4	116.4	119.8
TPH by GC (as diesel-ext)	---	---	---	---	04/08/02	3540	---	---	---	---	---
TPH by GC (as gasoline)	<0.5	mg/L	0.5	<0.5	04/08/02	8015 mod.	---	1.6	102.2	109.9	111.8
Volatiles organics-8260b/BTEX	---	---	---	---	04/05/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	04/05/02	8260b	---	9.2	91.7	88.8	86.7
Ethylbenzene	<1	µg/L	1	<1	04/05/02	8260b	---	0.3	109	108.6	106.2
m,p-Xylenes	<1	µg/L	1	<1	04/05/02	8260b	---	0.6	115	114.8	111.6
o-Xylene	<1	µg/L	1	<1	04/05/02	8260b	---	2	109.7	108.4	110.1
Toluene	<1	µg/L	1	<1	04/05/02	8260b	---	15.2	105.2	99.8	95.7

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4221 Freidrich Lane, Suite 190, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 7840408
(512) 444-5896 • FAX (512) 447-4766

Client: Environmental Tech Group
Attn: Britt Byerly

Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 27

Report#/Lab ID#: 127671
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	118	50-150	---
p-Terphenyl	8015 mod.	102	50-150	---
1,2-Dichloroethane-d4	8260b	90.4	80-120	---
Toluene-d8	8260b	99	88-110	---

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

Client: Environmental Tech Group
Attn: Britt Byerly
Address: 4600 West Wall
Midland Tx 79703
Phone: (915) 522-1139 FAX: (915) 520-4310

Report# / Lab ID#: 127672 Report Date: 04/16/02
Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 28
Sample Matrix: water
Date Received: 04/03/2002 Time: 09:46
Date Sampled: 04/01/2002 Time: 16:15

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
TPH by GC (as diesel)	<0.5	mg/L	0.5	<0.5	04/08/02	8015 mod.	---	2.8	109.4	116.4	119.8
TPH by GC (as diesel-ext)	---	---	---	---	04/08/02	3540	---	---	---	---	---
TPH by GC (as gasoline)	<0.5	mg/L	0.5	<0.5	04/08/02	8015 mod.	---	1.6	102.2	109.9	111.8
Volatile organics-8260b/BTEX	---	---	---	---	04/05/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	04/05/02	8260b	J	9.2	91.7	88.8	86.7
Ethylbenzene	<1	µg/L	1	<1	04/05/02	8260b	---	0.3	109	108.6	106.2
m,p-Xylenes	<1	µg/L	1	<1	04/05/02	8260b	---	0.6	115	114.8	111.6
o-Xylene	<1	µg/L	1	<1	04/05/02	8260b	---	2	109.7	108.4	110.1
Toluene	<1	µg/L	1	<1	04/05/02	8260b	---	15.2	105.2	99.8	95.7

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Richard Laster

Richard Laster

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Client: Environmental Tech Group
Attn: Britt Byerly

Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 28

Report#/Lab ID#: 127672
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	106	50-150	---
p-Terphenyl	8015 mod.	93.9	50-150	---
1,2-Dichloroethane-d4	8260b	80.2	80-120	---
Toluene-d8	8260b	102	88-110	---

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

Exceptions Report:

Report #/Lab ID#: 127672	Matrix: water	Attn: Britt Byerly
Client: Environmental Tech Group		
Project ID: Jimmy Cooper EOT 2074C		
Sample Name: MW 28		

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
Benzene	J	See J-flag discussion above.

Notes:

Client: Environmental Tech Group
Attn: Britt Byerly
Address: 4600 West Wall
Midland Tx 79703

Phone: (915) 522-1139 **FAX:** (915) 520-4310

Report#/Lab ID#: 127673 **Report Date:** 04/16/02

Project ID: Jimmy Cooper EOT 2074C

Sample Name: MW 29

Sample Matrix: water

Date Received: 04/03/2002 **Time:** 09:46

Date Sampled: 04/01/2002 **Time:** 16:45

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
TPH by GC (as diesel)	<0.5	mg/L	0.5	<0.5	04/08/02	8015 mod.	---	2.8	109.4	116.4	119.8
TPH by GC (as diesel-ext)	---	---	---	---	04/08/02	3540	---	---	---	---	---
TPH by GC (as gasoline)	0.819	mg/L	0.5	<0.5	04/08/02	8015 mod.	---	1.6	102.2	109.9	111.8
Volatile organics-8260b/BTEX	---	---	---	---	04/05/02	8260b	---	---	---	---	---
Benzene	51.4	µg/L	1	<1	04/05/02	8260b	---	9.2	91.7	88.8	86.7
Ethylbenzene	7.54	µg/L	1	<1	04/05/02	8260b	---	0.3	109	108.6	106.2
m,p-Xylenes	8.07	µg/L	1	<1	04/05/02	8260b	---	0.6	115	114.8	111.6
o-Xylene	1.59	µg/L	1	<1	04/05/02	8260b	---	2	109.7	108.4	110.1
Toluene	<1	µg/L	1	<1	04/05/02	8260b	---	15.2	105.2	99.8	95.7

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Respectfully Submitted,

Richard Laster

Richard Laster

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Client: Environmental Tech Group
Attn: Britt Byerly

Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 29

Report#/Lab ID#: 127673
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	111	50-150	---
p-Terphenyl	8015 mod.	104	50-150	---
1,2-Dichloroethane-d4	8260b	109	80-120	---
Toluene-d8	8260b	98.2	88-110	---

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

Client: Environmental Tech Group
Attn: Britt Byerly
Address: 4600 West Wall
Midland Tx 79703

Phone: (915) 522-1139 **FAX:** (915) 520-4310

Report#/Lab ID#: 127674 **Report Date:** 04/16/02
Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 31
Sample Matrix: water
Date Received: 04/03/2002 **Time:** 09:46
Date Sampled: 04/01/2002 **Time:** 15:35

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
TPH by GC (as diesel)	<0.5	mg/L	0.5	<0.5	04/08/02	8015 mod.	---	2.8	109.4	116.4	119.8
TPH by GC (as diesel-ext)	---	---	---	---	04/08/02	3540	---	---	---	---	---
TPH by GC (as gasoline)	<0.5	mg/L	0.5	<0.5	04/08/02	8015 mod.	---	1.6	102.2	109.9	111.8
Volatile organics-8260b/BTEX	---	---	---	---	04/05/02	8260b	---	---	---	---	---
Benzene	1.63	µg/L	1	<1	04/05/02	8260b	---	9.2	91.7	88.8	86.7
Ethylbenzene	<1	µg/L	1	<1	04/05/02	8260b	---	0.3	109	108.6	106.2
m,p-Xylenes	<1	µg/L	1	<1	04/05/02	8260b	---	0.6	115	114.8	111.6
o-Xylene	<1	µg/L	1	<1	04/05/02	8260b	---	2	109.7	108.4	110.1
Toluene	<1	µg/L	1	<1	04/05/02	8260b	---	15.2	105.2	99.8	95.7

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Respectfully Submitted,

Richard Laster

Richard Laster

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Client: Environmental Tech Group Attn: Britt Byerly	Project ID: Jimmy Cooper EOT 2074C Sample Name: MW 31	Report#/Lab ID#: 127674 Sample Matrix: water
--	--	---

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	109	50-150	---
p-Terphenyl	8015 mod.	93.6	50-150	---
1,2-Dichloroethane-d4	8260b	98.1	80-120	---
Toluene-d8	8260b	99.2	88-110	---

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

Client: Environmental Tech Group
Attn: Britt Byerly
Address: 4600 West Wall
Midland Tx 79703

Phone: (915) 522-1139 FAX: (915) 520-4310

Report#/Lab ID#: 127675 Report Date: 04/16/02
Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 32
Sample Matrix: water
Date Received: 04/03/2002 Time: 09:46
Date Sampled: 04/01/2002 Time: 15:15

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
TPH by GC (as diesel)	3.08	mg/L	0.5	<0.5	04/08/02	8015 mod.	---	2.8	109.4	116.4	119.8
TPH by GC (as diesel-ext)	---	---	---	---	04/08/02	3540	---	---	---	---	---
TPH by GC (as gasoline)	2.13	mg/L	0.5	<0.5	04/08/02	8015 mod.	---	1.6	102.2	109.9	111.8
Volatile organics-8260b/BTEX	---	---	---	---	04/09/02	8260b	---	---	---	---	---
Benzene	5.05	µg/L	1	<1	04/09/02	8260b	---	0.4	85.5	80.6	82.4
Ethylbenzene	3.21	µg/L	1	<1	04/09/02	8260b	---	4.1	111.5	98.7	106.4
m,p-Xylenes	5.61	µg/L	1	<1	04/09/02	8260b	---	5.4	117.3	103.1	109.6
o-Xylene	1.3	µg/L	1	<1	04/09/02	8260b	---	4.7	111.6	101.8	106.5
Toluene	<1	µg/L	1	<1	04/09/02	8260b	---	0.6	93	85	88.2

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Client: Environmental Tech Group
Attn: Britt Byerly

Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 32

Report#/Lab ID#: 127675
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	101	50-150	---
p-Terphenyl	8015 mod.	95.4	50-150	---
1,2-Dichloroethane-d4	8260b	108	80-120	---
Toluene-d8	8260b	90.7	88-110	---

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

Client: Environmental Tech Group
Attn: Britt Byerly
Address: 4600 West Wall
Midland

Tx 79703

Phone: (915) 522-1139 **FAX:** (915) 520-4310

Report#/Lab ID#: 127676 **Report Date:** 04/16/02

Project ID: Jimmy Cooper EOT 2074C

Sample Name: MW 35

Sample Matrix: water

Date Received: 04/03/2002 **Time:** 09:46

Date Sampled: 04/01/2002 **Time:** 15:00

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA 1

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)	<0.5	mg/L	0.5	<0.5	04/09/02	8015 mod.	---	2.9	112.2	111.9	110.1
TPH by GC (as diesel-ext)	---	---	---	---	04/09/02	3540	---	---	---	---	---
TPH by GC (as gasoline)	<0.5	mg/L	0.5	<0.5	04/09/02	8015 mod.	---	9.4	102.7	94	104.5
Volatile organics-8260b/BTEX	---	---	---	---	04/04/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	04/04/02	8260b	---	1.4	94.1	99	95.8
Ethylbenzene	<1	µg/L	1	<1	04/04/02	8260b	---	5.5	95.4	97.6	99.2
m,p-Xylenes	<1	µg/L	1	<1	04/04/02	8260b	---	5.5	98.3	101.3	102.7
o-Xylene	<1	µg/L	1	<1	04/04/02	8260b	---	5.4	93.6	95.1	96.5
Toluene	<1	µg/L	1	<1	04/04/02	8260b	---	0.2	104.8	106.5	103.7

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4221 Freidrich Lane, Suite 190, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 7840408
(512) 444-5896 • FAX (512) 447-4766

Client: Environmental Tech Group
Attn: Britt Byerly

Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 35

Report#/Lab ID#: 127676
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5 p-Terphenyl	8015 mod.	112	50-150	---
	8015 mod.	90.2	50-150	---
1,2-Dichloroethane-d4 Toluene-d8	8260b	89.3	80-120	---
	8260b	94.3	88-110	---

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

Client: Environmental Tech Group
Attn: Britt Byerly
Address: 4600 West Wall
Midland Tx 79703

Phone: (915) 522-1139 **FAX:** (915) 520-4310

Report#/Lab ID#: 127677 **Report Date:** 04/16/02
Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 36
Sample Matrix: water
Date Received: 04/03/2002 **Time:** 09:46
Date Sampled: 04/01/2002 **Time:** 17:00

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA 1

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)	<0.5	mg/L	0.5	<0.5	04/09/02	8015 mod.	---	2.9	112.2	111.9	110.1
TPH by GC (as diesel-ext)	---	---	---	---	04/09/02	3540	---	---	---	---	---
TPH by GC (as gasoline)	<0.5	mg/L	0.5	<0.5	04/09/02	8015 mod.	J	9.4	102.7	94	104.5
Volatile organics-8260b/BTEX	---	---	---	---	04/09/02	8260b	---	---	---	---	---
Benzene	34	µg/L	1	<1	04/09/02	8260b	---	9.2	91.7	88.8	86.7
Ethylbenzene	4.76	µg/L	1	<1	04/09/02	8260b	---	0.3	109	108.6	106.2
m,p-Xylenes	<1	µg/L	1	<1	04/09/02	8260b	J	0.6	115	114.8	111.6
o-Xylene	<1	µg/L	1	<1	04/09/02	8260b	---	2	109.7	108.4	110.1
Toluene	<1	µg/L	1	<1	04/09/02	8260b	---	15.2	105.2	99.8	95.7

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Client: Environmental Tech Group
Attn: Britt Byerly

Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 36

Report#/Lab ID#: 127677
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	104	50-150	---
p-Terphenyl	8015 mod.	77.1	50-150	---
1,2-Dichloroethane-d4	8260b	103	80-120	---
Toluene-d8	8260b	95.1	88-110	---

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

Exceptions Report:

Report #/Lab ID#: 127677	Matrix: water	Attn: Britt Byerly
Client: Environmental Tech Group		
Project ID: Jimmy Cooper EOT 2074C		
Sample Name: MW 36		

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
TPH by GC (as gasoline)	J	See J-flag discussion above.
m,p-Xylenes	J	See J-flag discussion above.

Notes:

Client: Environmental Tech Group
Attn: Britt Byerly
Address: 4600 West Wall
Midland Tx 79703

Phone: (915) 522-1139 FAX: (915) 520-4310

Report#/Lab ID#: 127678 Report Date: 04/16/02
Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 37
Sample Matrix: water
Date Received: 04/03/2002 Time: 09:46
Date Sampled: 04/01/2002 Time: 15:10

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
TPH by GC (as diesel)	<0.5	mg/L	0.5	<0.5	04/09/02	8015 mod.	---	2.9	112.2	111.9	110.1
TPH by GC (as diesel-ext)	---	---	---	---	04/09/02	3540	---	---	---	---	---
TPH by GC (as gasoline)	<0.5	mg/L	0.5	<0.5	04/09/02	8015 mod.	---	9.4	102.7	94	104.5
Volatiles organics-8260b/BTEX	---	---	---	---	04/04/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	04/04/02	8260b	---	1.4	94.1	99	95.8
Ethylbenzene	<1	µg/L	1	<1	04/04/02	8260b	---	5.5	95.4	97.6	99.2
m,p-Xylenes	<1	µg/L	1	<1	04/04/02	8260b	---	5.5	98.3	101.3	102.7
o-Xylene	<1	µg/L	1	<1	04/04/02	8260b	---	5.4	93.6	95.1	96.5
Toluene	<1	µg/L	1	<1	04/04/02	8260b	---	0.2	104.8	106.5	103.7

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Respectfully Submitted,

Richard Laster

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Client: Environmental Tech Group
Attn: Britt Byerly

Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 37

Report#/Lab ID#: 127678
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5 p-Terphenyl	8015 mod.	106	50-150	---
	8015 mod.	92.8	50-150	---
1,2-Dichloroethane-d4 Toluene-d8	8260b	106	80-120	---
	8260b	93.6	88-110	---

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

Client: Environmental Tech Group
Attn: Britt Byerly
Address: 4600 West Wall
Midland Tx 79703

Phone: (915) 522-1139 **FAX:** (915) 520-4310

Report#/Lab ID#: 127679 **Report Date:** 04/16/02
Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 38
Sample Matrix: water
Date Received: 04/03/2002 **Time:** 09:46
Date Sampled: 04/01/2002 **Time:** 15:05

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA 1

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)	8.05	mg/L	0.5	<0.5	04/09/02	8015 mod.	---	2.9	112.2	111.9	110.1
TPH by GC (as diesel-ext)	---	---	---	---	04/09/02	5340	---	---	---	---	---
TPH by GC (as gasoline)	1.95	mg/L	0.5	<0.5	04/09/02	8015 mod.	---	9.4	102.7	94	104.5
Volatiles organics-8260b/BTEX	---	---	---	---	04/09/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	04/09/02	8260b	---	0.4	85.5	80.6	82.4
Ethylbenzene	<1	µg/L	1	<1	04/09/02	8260b	---	4.1	111.5	98.7	106.4
m,p-Xylenes	<1	µg/L	1	<1	04/09/02	8260b	J	5.4	117.3	103.1	109.6
o-Xylene	<1	µg/L	1	<1	04/09/02	8260b	---	4.7	111.6	101.8	106.5
Toluene	<1	µg/L	1	<1	04/09/02	8260b	---	0.6	93	85	88.2

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Client: Environmental Tech Group
Attn: Britt Byerly

Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 38

Report#/Lab ID#: 127679
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	78.8	50-150	---
p-Terphenyl	8015 mod.	107	50-150	---
1,2-Dichloroethane-d4	8260b	107	80-120	---
Toluene-d8	8260b	95.6	88-110	---

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

Exceptions Report:

Report #/Lab ID#: 127679	Matrix: water	Attn: Britt Byerly
Client: Environmental Tech Group		
Project ID: Jimmy Cooper EOT 2074C		
Sample Name: MW 38		

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.
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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
m,p-Xylenes	J	See J-flag discussion above.

Notes:

Client: Environmental Tech Group
Attn: Britt Byerly
Address: 4600 West Wall
Midland Tx 79703

Phone: (915) 522-1139 **FAX:** (915) 520-4310

Report#/Lab ID#: 127680 **Report Date:** 04/16/02
Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 39
Sample Matrix: water
Date Received: 04/03/2002 **Time:** 09:46
Date Sampled: 04/01/2002 **Time:** 14:55

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
TPH by GC (as diesel)	<0.5	mg/L	0.5	<0.5	04/09/02	8015 mod.	---	2.9	112.2	111.9	110.1
TPH by GC (as diesel-ext)	---	---	---	---	04/09/02	5340	---	---	---	---	---
TPH by GC (as gasoline)	<0.5	mg/L	0.5	<0.5	04/09/02	8015 mod.	---	9.4	102.7	94	104.5
Volatile organics-8260b/BTEX	---	---	---	---	04/04/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	04/04/02	8260b	---	1.4	94.1	99	95.8
Ethylbenzene	<1	µg/L	1	<1	04/04/02	8260b	---	5.5	95.4	97.6	99.2
m,p-Xylenes	<1	µg/L	1	<1	04/04/02	8260b	---	5.5	98.3	101.3	102.7
o-Xylene	<1	µg/L	1	<1	04/04/02	8260b	---	5.4	93.6	95.1	96.5
Toluene	<1	µg/L	1	<1	04/04/02	8260b	---	0.2	104.8	106.5	103.7

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

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CNALYSYS
INC.

4221 Freidrich Lane, Suite 190, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 7840408
(512) 444-5896 • FAX (512) 447-4766

Client: Environmental Tech Group
Attn: Britt Byerly

Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 39

Report#/Lab ID#: 127680
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5 p-Terphenyl	8015 mod.	96.5	50-150	---
	8015 mod.	83.9	50-150	---
1,2-Dichloroethane-d4 Toluene-d8	8260b	92.9	80-120	---
	8260b	96.1	88-110	---

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

Client: Environmental Tech Group
Attn: Britt Byerly
Address: 4600 West Wall
Midland Tx 79703

Phone: (915) 522-1139 **FAX:** (915) 520-4310

Report#/Lab ID#: 127681 **Report Date:** 04/16/02
Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 41
Sample Matrix: water
Date Received: 04/03/2002 **Time:** 09:46
Date Sampled: 04/01/2002 **Time:** 14:50

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
TPH by GC (as diesel)	<0.5	mg/L	0.5	<0.5	04/09/02	8015 mod.	---	2.9	112.2	111.9	110.1
TPH by GC (as diesel-ext)	---	---	---	---	04/09/02	3540	---	---	---	---	---
TPH by GC (as gasoline)	<0.5	mg/L	0.5	<0.5	04/09/02	8015 mod.	J	9.4	102.7	94	104.5
Volatile organics-8260b/BTEX	---	---	---	---	04/04/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	04/04/02	8260b	---	1.4	94.1	99	95.8
Ethylbenzene	<1	µg/L	1	<1	04/04/02	8260b	---	5.5	95.4	97.6	99.2
m,p-Xylenes	<1	µg/L	1	<1	04/04/02	8260b	---	5.5	98.3	101.3	102.7
o-Xylene	<1	µg/L	1	<1	04/04/02	8260b	---	5.4	93.6	95.1	96.5
Toluene	<1	µg/L	1	<1	04/04/02	8260b	---	0.2	104.8	106.5	103.7

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Client: Environmental Tech Group
Attn: Britt Byerly

Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 41

Report#/Lab ID#: 127681
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	108	50-150	---
p-Terphenyl	8015 mod.	80.4	50-150	---
1,2-Dichloroethane-d4	8260b	92.8	80-120	---
Toluene-d8	8260b	96.3	88-110	---

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

Exceptions Report:

Report #/Lab ID#: 127681 Matrix: water
Client: Environmental Tech Group Attn: Britt Byerly
Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 41

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-TTRP 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 gasoline)	J	See J-flag discussion above.

Notes:

Client: Environmental Tech Group

Attn: Britt Byerly

Address: 4600 West Wall
Midland

Tx 79703

Phone: (915) 522-1139 **FAX:** (915) 520-4310

Report#/Lab ID#: 127682 **Report Date:** 04/16/02

Project ID: Jimmy Cooper EOT 2074C

Sample Name: MW 42

Sample Matrix: water

Date Received: 04/03/2002 **Time:** 09:46

Date Sampled: 04/01/2002 **Time:** 14:45

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
TPH by GC (as diesel)	<0.5	mg/L	0.5	<0.5	04/09/02	8015 mod.	---	2.9	112.2	111.9	110.1
TPH by GC (as diesel-ext)	---	---	---	---	04/09/02	3540	---	---	---	---	---
TPH by GC (as gasoline)	<0.5	mg/L	0.5	<0.5	04/09/02	8015 mod.	---	9.4	102.7	94	104.5
Volatile organics-8260b/BTEX	---	---	---	---	04/04/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	04/04/02	8260b	---	1.4	94.1	99	95.8
Ethylbenzene	<1	µg/L	1	<1	04/04/02	8260b	---	5.5	95.4	97.6	99.2
m,p-Xylenes	<1	µg/L	1	<1	04/04/02	8260b	---	5.5	98.3	101.3	102.7
o-Xylene	<1	µg/L	1	<1	04/04/02	8260b	---	5.4	93.6	95.1	96.5
Toluene	<1	µg/L	1	<1	04/04/02	8260b	---	0.2	104.8	106.5	103.7

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Respectfully Submitted,

Richard Laster

Richard Laster

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4221 Freidrich Lane, Suite 190, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 7840408
(512) 444-5896 • FAX (512) 447-4766

Client: Environmental Tech Group
Attn: Britt Byerly

Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 42

Report#/Lab ID#: 127682
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5 p-Terphenyl	8015 mod.	97.3	50-150	---
	8015 mod.	89.4	50-150	---
1,2-Dichloroethane-d4 Toluene-d8	8260b	99.7	80-120	---
	8260b	96.8	88-110	---

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

Client: Environmental Tech Group
Attn: Britt Byerly
Address: 4600 West Wall
Midland

Tx 79703

Phone: (915) 522-1139 **FAX:** (915) 520-4310

Report#/Lab ID#: 127683 **Report Date:** 04/16/02

Project ID: Jimmy Cooper EOT 2074C

Sample Name: MW 43

Sample Matrix: water

Date Received: 04/03/2002 **Time:** 09:46

Date Sampled: 04/01/2002 **Time:** 15:25

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
TPH by GC (as diesel)	<0.5	mg/L	0.5	<0.5	04/09/02	8015 mod.	---	2.9	112.2	111.9	110.1
TPH by GC (as diesel-ext)	---	---	---	---	04/09/02	3540	---	---	---	---	---
TPH by GC (as gasoline)	<0.5	mg/L	0.5	<0.5	04/09/02	8015 mod.	J	9.4	102.7	94	104.5
Volatile organics-8260b/BTEX	---	---	---	---	04/09/02	8260b	---	---	---	---	---
Benzene	3.11	µg/L	1	<1	04/09/02	8260b	---	0.4	85.5	80.6	82.4
Ethylbenzene	6.83	µg/L	1	<1	04/09/02	8260b	---	4.1	111.5	98.7	106.4
m,p-Xylenes	21	µg/L	1	<1	04/09/02	8260b	---	5.4	117.3	103.1	109.6
o-Xylene	3.63	µg/L	1	<1	04/09/02	8260b	---	4.7	111.6	101.8	106.5
Toluene	<1	µg/L	1	<1	04/09/02	8260b	---	0.6	93	85	88.2

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Client: Environmental Tech Group
Attn: Britt Byerly

Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 43

Report#/Lab ID#: 127683
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5 p-Terphenyl	8015 mod.	77	50-150	---
	8015 mod.	67.6	50-150	---
1,2-Dichloroethane-d4 Toluene-d8	8260b	114	80-120	---
	8260b	93.3	88-110	---

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

Exceptions Report:

Report #/Lab ID#: 127683	Matrix: water	Attn: Brita Byerly
Client: Environmental Tech Group		
Project ID: Jimmy Cooper EOT 2074C		
Sample Name: MW 43		

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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Comments pertaining to Data Qualifiers and QC data:

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

Notes:

Client: Environmental Tech Group

Attn: Britt Byerly

Address: 4600 West Wall

Midland

Tx 79703

Phone: (915) 522-1139 **FAX:** (915) 520-4310

Report#/Lab ID#: 127684 **Report Date:** 04/16/02

Project ID: Jimmy Cooper EOT 2074C

Sample Name: MW 44

Sample Matrix: water

Date Received: 04/03/2002 **Time:** 09:46

Date Sampled: 04/01/2002 **Time:** 15:20

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
TPH by GC (as diesel)	<0.5	mg/L	0.5	<0.5	04/09/02	8015 mod.	---	2.9	112.2	111.9	110.1
TPH by GC (as diesel-ext)	---	---	---	---	04/09/02	3540	---	---	---	---	---
TPH by GC (as gasoline)	<0.5	mg/L	0.5	<0.5	04/09/02	8015 mod.	---	9.4	102.7	94	104.5
Volatile organics-8260b/BTEX	---	---	---	---	04/04/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	04/04/02	8260b	---	1.4	94.1	99	95.8
Ethylbenzene	<1	µg/L	1	<1	04/04/02	8260b	---	5.5	95.4	97.6	99.2
m,p-Xylenes	<1	µg/L	1	<1	04/04/02	8260b	---	5.5	98.3	101.3	102.7
o-Xylene	<1	µg/L	1	<1	04/04/02	8260b	---	5.4	93.6	95.1	96.5
Toluene	<1	µg/L	1	<1	04/04/02	8260b	---	0.2	104.8	106.5	103.7

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Client: Environmental Tech Group
Attn: Britt Byerly

Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 44

Report#/Lab ID#: 127684
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	106	50-150	---
p-Terphenyl	8015 mod.	93.3	50-150	---
1,2-Dichloroethane-d4	8260b	98.1	80-120	---
Toluene-d8	8260b	96.6	88-110	---

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

Client: Environmental Tech Group
Attn: Britt Byerly
Address: 4600 West Wall
Midland Tx 79703

Phone: (915) 522-1139 **FAX:** (915) 520-4310

Report#/Lab ID#: 127685 **Report Date:** 04/16/02
Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 46
Sample Matrix: water
Date Received: 04/03/2002 **Time:** 09:46
Date Sampled: 04/01/2002 **Time:** 17:50

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
TPH by GC (as diesel)	27.5	mg/L	0.5	<0.5	04/09/02	8015 mod.	---	2.9	112.2	111.9	110.1
TPH by GC (as diesel-ext)	---	---	---	---	04/09/02	3540	---	---	---	---	---
TPH by GC (as gasoline)	25.3	mg/L	0.5	<0.5	04/09/02	8015 mod.	---	9.4	102.7	94	104.5
Volatile organics-8260b/BTEX	---	---	---	---	04/09/02	8260b	---	---	---	---	---
Benzene	27.9	µg/L	1	<1	04/09/02	8260b	---	0.4	85.5	80.6	82.4
Ethylbenzene	71.1	µg/L	1	<1	04/09/02	8260b	---	4.1	111.5	98.7	106.4
m,p-Xylenes	225	µg/L	1	<1	04/09/02	8260b	---	5.4	117.3	103.1	109.6
o-Xylene	50.9	µg/L	1	<1	04/09/02	8260b	---	4.7	111.6	101.8	106.5
Toluene	<1	µg/L	1	<1	04/09/02	8260b	J	0.6	93	85	88.2

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Richard Laster

Richard Laster

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Client: Environmental Tech Group
Attn: Britt Byerly

Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 46

Report#/Lab ID#: 127685
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	99.3	50-150	---
p-Terphenyl	8015 mod.	70	50-150	---
1,2-Dichloroethane-d4	8260b	84.9	80-120	---
Toluene-d8	8260b	98.1	88-110	---

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

Exceptions Report:

Report #/Lab ID#: 127685	Matrix: water	Attn: Britt Byerly
Client: Environmental Tech Group		
Project ID: Jimmy Cooper EOT 2074C		
Sample Name: MW 46		

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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Comments pertaining to Data Qualifiers and QC data:

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

Notes:

Client: Environmental Tech Group

Attn: Britt Byerly

Address: 4600 West Wall
Midland Tx 79703

Phone: (915) 522-1139 FAX: (915) 520-4310

Report#/Lab ID#: 127686 Report Date: 04/16/02

Project ID: Jimmy Cooper EOT 2074C

Sample Name: MW 47

Sample Matrix: water

Date Received: 04/03/2002 Time: 09:46

Date Sampled: 04/01/2002 Time: 15:30

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA 1

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)	<0.5	mg/L	0.5	<0.5	04/09/02	8015 mod.	---	2.9	112.2	111.9	110.1
TPH by GC (as diesel-ext)	---	---	---	---	04/09/02	3540	---	---	---	---	---
TPH by GC (as gasoline)	<0.5	mg/L	0.5	<0.5	04/09/02	8015 mod.	---	9.4	102.7	94	104.5
Volatile organics-8260b/BTEX	---	---	---	---	04/04/02	8260b	---	---	---	---	---
Benzene	4.34	µg/L	1	<1	04/04/02	8260b	---	1.4	94.1	99	95.8
Ethylbenzene	<1	µg/L	1	<1	04/04/02	8260b	---	5.5	95.4	97.6	99.2
m,p-Xylenes	<1	µg/L	1	<1	04/04/02	8260b	---	5.5	98.3	101.3	102.7
o-Xylene	<1	µg/L	1	<1	04/04/02	8260b	---	5.4	93.6	95.1	96.5
Toluene	<1	µg/L	1	<1	04/04/02	8260b	---	0.2	104.8	106.5	103.7

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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.



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4221 Freidrich Lane, Suite 190, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 7840408
(512) 444-5896 • FAX (512) 447-4766

Client: Environmental Tech Group
Attn: Britt Byerly

Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 47

Report#/Lab ID#: 127686
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5 p-Terphenyl	8015 mod.	100	50-150	---
	8015 mod.	90	50-150	---
1,2-Dichloroethane-d4 Toluene-d8	8260b	108	80-120	---
	8260b	96.5	88-110	---

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

Client: Environmental Tech Group
Attn: Britt Byerly
Address: 4600 West Wall
Midland

Tx 79703

Phone: (915) 522-1139 **FAX:** (915) 520-4310

Report#/Lab ID#: 127687 **Report Date:** 04/16/02

Project ID: Jimmy Cooper EOT 2074C

Sample Name: MW 48

Sample Matrix: water

Date Received: 04/03/2002 **Time:** 09:46

Date Sampled: 04/01/2002 **Time:** 17:05

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
TPH by GC (as diesel)	<0.5	mg/L	0.5	<0.5	04/09/02	8015 mod.	---	2.9	112.2	111.9	110.1
TPH by GC (as diesel-ext)	---	---	---	---	04/09/02	3540	---	---	---	---	---
TPH by GC (as gasoline)	<0.5	mg/L	0.5	<0.5	04/09/02	8015 mod.	J	9.4	102.7	94	104.5
Volatile organics-8260b/BTEX	---	---	---	---	04/09/02	8260b	---	---	---	---	---
Benzene	2.81	µg/L	1	<1	04/09/02	8260b	---	0.4	85.5	80.6	82.4
Ethylbenzene	4.73	µg/L	1	<1	04/09/02	8260b	---	4.1	111.5	98.7	106.4
m,p-Xylenes	8.3	µg/L	1	<1	04/09/02	8260b	---	5.4	117.3	103.1	109.6
o-Xylene	1.94	µg/L	1	<1	04/09/02	8260b	---	4.7	111.6	101.8	106.5
Toluene	<1	µg/L	1	<1	04/09/02	8260b	---	0.6	93	85	88.2

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Client: Environmental Tech Group
Attn: Britt Byerly

Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 48

Report#/Lab ID#: 127687
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	100	50-150	---
p-Terphenyl	8015 mod.	92.5	50-150	---
1,2-Dichloroethane-d4	8260b	111	80-120	---
Toluene-d8	8260b	93.1	88-110	---

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

Exceptions Report:

Report #/Lab ID#: 127687	Matrix: water	Attn: Britt Byerly
Client: Environmental Tech Group		
Project ID: Jimmy Cooper EOT 2074C		
Sample Name: MW 48		

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
TPH by GC (as gasoline)	J	See J-flag discussion above.

Notes:



4221 Freidrich Lane, Suite 190, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 444-5896 • FAX (512) 447-4766

Client: Environmental Tech Group

Attn: Britt Byerly

Address: 4600 West Wall
Midland

Tx 79703

Phone: (915) 522-1139 FAX: (915) 520-4310

Report#/Lab ID#: 127688 Report Date: 04/16/02

Project ID: Jimmy Cooper EOT 2074C

Sample Name: MW 49

Sample Matrix: water

Date Received: 04/03/2002 Time: 09:46

Date Sampled: 04/01/2002 Time: 16:50

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
TPH by GC (as diesel)	<0.5	mg/L	0.5	<0.5	04/09/02	8015 mod.	J	2.9	112.2	111.9	110.1
TPH by GC (as diesel-ext)	---	---	---	---	04/09/02	3540	---	---	---	---	---
TPH by GC (as gasoline)	<0.5	mg/L	0.5	<0.5	04/09/02	8015 mod.	J	9.4	102.7	94	104.5
Volatile organics-8260b/BTEX	---	---	---	---	04/04/02	8260b	---	---	---	---	---
Benzene	11	µg/L	1	<1	04/04/02	8260b	---	1.4	94.1	99	95.8
Ethylbenzene	8.84	µg/L	1	<1	04/04/02	8260b	---	5.5	95.4	97.6	99.2
m,p-Xylenes	28.4	µg/L	1	<1	04/04/02	8260b	---	5.5	98.3	101.3	102.7
o-Xylene	4.39	µg/L	1	<1	04/04/02	8260b	---	5.4	93.6	95.1	96.5
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(512) 444-5896 • FAX (512) 447-4766

Client: Environmental Tech Group
Attn: Britt Byerly

Project ID: Jimmy Cooper EOT 2074C
Sample Name: MW 49

Report#/Lab ID#: 127688
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5 p-Terphenyl	8015 mod.	102	50-150	---
	8015 mod.	82.4	50-150	---
1,2-Dichloroethane-d4 Toluene-d8	8260b	107	80-120	---
	8260b	96.7	88-110	---

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Report #/Lab ID#: 127688	Matrix: water	Attn: Britt Byerly
Client: Environmental Tech Group		
Project ID: Jimmy Cooper EOT 2074C		
Sample Name: MW 49		

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

Notes:

2037
10/44

CHAIN-OF-CUSTODY

Send Reports To:

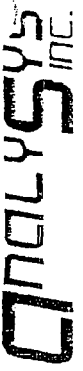
Company Name E.T.G.I.
 Address 4600 West Wall
 City Middleboro State TX Zip 79703
 ATTN: Byerly
 Phone (817) 522-1139 Fax (817) 520-4319

Bill to (if different):

Company Name EOT
 Address _____
 City _____ State _____ Zip _____
 ATTN: _____
 Phone _____ Fax _____

Rush Status (must be confirmed with lab mgr.): _____

Project Name/PO#: Jimmy Cooper Sampler: Simon Lopez
EOT 2074C



4221 Freidrich Lane, Suite 190, Austin, TX 78744
 Phone: (512) 434-5806
 Fax: (512) 437-4766

Client Sample No. Description/Identification	Date Sampled	Time Sampled	No. of Containers	Soil	Water	Waste	Lab I.D. # (Lab only)	Analyses Requested (1)	
								Please attach explanatory information as required	
MW 2	4-1-02	1405	5		X		127656	X	
MW 5		1420					127657		
MW 6		1412					127658		
MW 12		1605					127659		
MW 13		1550					127660		
MW 14		1630					127661		
MW 15		1620					127662		
MW 16		1625					127663		
MW 17		1555					127664		
MW 19		1535					127665		

874 8/28
 874 8/28
 874 8/28

(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 (MIDL/PL). 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. For all other analyses, ASI's HSL. For all ASI's option. Specific compound lists must be supplied for all GC procedures.

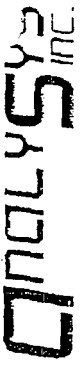
Temp: 0.0°C

Sample Relinquished By			Sample Received By		
Name	Affiliation	Date	Name	Affiliation	Date
Simon Lopez	EOT	4-2-02	Walter Thompson	ASI	4/3/02
					09:46

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

2084

CHAIN-OF-CUSTODY



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 Fax: (512) 447-4766

Send Reports To:

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 Address 4600 West Wall
 City Midland State TX Zip 79703
 ATTN: Britt Byrd
 Phone (915) 522-1139 Fax (915) 520-4319

Bill to (if different):
 Company Name E.T.G.I.
 Address _____
 City _____ State _____ Zip _____
 ATTN: _____ Phone _____ Fax _____

Rush Status (must be confirmed with lab mgr.): _____

Project Name/PO#: Jimmy Cooper Sampler: Sam Cooro

Analyses Requested (I)

Please attach explanatory information as required

Client Sample No. Description/Identification	Date Sampled	Time Sampled	No. of Containers	Soil	Water	Waste	Lab I.D. # (Lab only)	Comments
MW 21	4-2-02	1540	5		X		127666	X
MW 23		1545					127667	
MW 24		1610					127668	
MW 25		1635					127669	
MW 26		1640					127670	
MW 27		1600					127671	
MW 28		1615					127672	
MW 29		1645					127673	
MW 31		1535					127674	
MW 32		1515					127675	

(1) Unless specifically requested otherwise on this Chain-of-custody and/or attached documentation, all analyses will be conducted using AST's method of choice and all data will be reported to AST's normal reporting limits (KDD, PPQ). 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, AST will default to Priority Pollutants or AST's HSE list at AST's option. Specific compound lists must be supplied for all GC procedures.

Temp: 0.0°C

Sample Relinquished By			Sample Received By		
Name	Affiliation	Date	Name	Affiliation	Date
Sam Cooro	E.T.G.I.	4-2-02	Malanie Thompson	AST	4/3/02
					09:46

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