

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.

ATTN: MR. JESSE TAYLOR

P.O. BOX 4845

MIDLAND, TEXAS 79704

FAX: 505-392-3760

Sample Type: Water

Sample Condition: Intact/ Iced/HCI

Project #: EOT 1044C
Project Name: Bob Durham
Project Location: Monument, N.M.

Sampling Date: See Below Receiving Date: 02/03/00 Analysis Date: 02/04/00

ELT#	FIELD CODE	/ SAMPLE DATE	BENZENE (mg/L)	TOLUENE (mg/L)	ETHYLBENZENE (mg/L)	m.p-XYLENE (mg/L)	o-XYLENE (mg/L)	
23358	MW-3	02/03/00	0.480	0.235	0.153	0.441	0.170	
23359	MW-9 MW-10	02/02/00	0.020	0.007 0.004	0.001 <0.001	0.004 <0.001	0.002 <0.001	•
23361 23362	MW-11 MW-13	02/02/00	0.027 0.821	0.009	0.002 0.020	0.004 0.007	0.001 0.004	
23363 23364	MW-14 MW-15	02/03/00 02/03/00	0.004 <0.001	0.001 <0.001	<0.001 <0.001	<0.001 <0.001	<0.001 <0.001	. •
	-			A.				
	% IA % EA		101 104	97 99	95 97	98 101	95 99	
1	BLANK		<0.001	<0.001	<0.001	<0.001	<0.001	

METHODS: EPA SW 846-8021B,5030

Reland K Tuttle

2-/5-00 Date

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.

ATTN: MR. JESSE TAYLOR

P.O. BOX 4845

MIDLAND, TEXAS 79704

FAX: 505-392-3760

Sample Type: Water

Sample Condition: Intact/ Iced

Project #: EOT 1044C
Project Name: Bob Durham
Project Location: Monument, N.M.

Sampling Date: See Below Receiving Date: 02/03/00 Analysis Date: See Below

ELT#	FIELD CODE / SAMPLE DATE	Sulfate mg/L	Chloride mg/L	Carbonate mg/L	Bicarbonate mg/L	TDS mg/L	
23358	MW-3 02/03/00	82.8	80	. 0	<b>30</b> 0	568	
23359	MW-9 02/02/00	107.8	106	0 .	300	660	,
23360	MW-10 02/02/00	109.5	89	ō	300	618	
23361	MW-11 02/02/00	182.5	115	Ō	350	823	, <u>.</u>
23362	MW-13 02/02/00	89.8	115	0	370	703	
23363	MW-14 02/03/00	230.0	106	0	350	840	
23364	MW-15 02/03/00	178.8	106	0 .	350	803	
	QUALITY CONTROL	52.1	5318	•	, •	*	
	TRUE VALUE	<del>5</del> 0.0	5000	*	. •		
	% PRECISION	104	106	•	* .		
,	ANALYSIS DATE	02/12/00	02/07/00	02/12/00	02/12/00	02/11/00	• • •

METHODS: EPA 375.4, 325.3, 310, 160.1

Raland K. Tuttle

2-16-20 Date

Project Manager.		000 077
JESSE 101.08	FAX H: (91) 664 - 9166	ANALYSIS REQUEST
Company Name & Address: FT 7-7  Project #:	Project Name:	•S 6 <sup>1</sup>
Frojert Location: Weny Ment New Ment	Sampler Standfree:	9 C1 C1 PD P
	MATRIX PRESERVATIVE SETTIOD	sy 64 8 sA gA 8 8 8 8 9 8 9 8 9 8 9 8 9 8 8 8 8 8 8
LAB # FIELD CODE (LAB USE)	N CONTAIN	TIME 81120 11 H 4130 12 Held 1201
11143	5 14,5 x	X X
MW Y	2.2	130031
Mw/0		1/220
M. 18		1603
1 1	~	540/
MWIS	-1	N/ N N N N N N N N N N N N N N N N N N
Relinquished by: Bate: Date:	Thme: Received by:	REMARKS MIL ROSMET - K DUTTON
Relinquished by: Date:	Times: Received	
Relinquished by:	Times: Received by Laboratory:	

I

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.

ATTN: MR. JESSE TAYLOR

P.O. BOX 4845

MIDLAND, TEXAS 79704

FAX: 505-392-2760

Sample Type: Water

Sample Condition: Intact/Iced/HCI

Project #: EOT 1044C
Project Name: Bob Durham
Project Location: Monument, N.M.

Sampling Date: 02/17/00 Receiving Date: 02/18/00 Analysis Date: 02/19/00

ELT#	FIELD C	ODE	BENZENE mg/L	TOLUENE mg/L	ETHYLBENZENE mg/L	m,p-XYLENE mg/L	o-XYLENE mg/L	
23650	MW 1	7	0.001	<0.001	<0.001	<0.001	<0.001	
23651	MW 1	8	<0.001	<0.001	<0.001	<0.001	<0.001	• •
23652	MW 1	9	<0.001	<0.001	<0.001	<0.001	<0.001	
23653	MW 2	2	<0.001	< 0.001	<0.001	<0.001	< 0.001	
23654	MW 2	4	<0.001	< 0.001	<0.001	<0.001	<0.001	
23655	MW 2	25	<0.001	<0.001	<0.001	<0.001	<0.001	
				•		•		,
	%  A		110	105	101	108	102	
•	% EA	٠.	113	109	106	110	104	
•	BLANK		<0.001	<0.001	<0.001	<0.001	<0.001	

METHODS: SW 846-8021B,5030

Reland K Tuttle

Z-Z9-00

Date

#### ENVIRONMENTAL LAB OF

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.

ATTN: MR. JESSE TAYLOR

P.O. BOX 4845

MIDLAND, TEXAS 79704

FAX: 505-392-3760

Sample Type: Water

Sample Condition: Intact/ Iced

Project #: EOT 1044C Project Name: Bob Durham Project Location: Monument, N.M. Sampling Date: 02/17/00 Receiving Date: 02/18/00

Analysis Date: See Below

ELT#	FIELD CODE	Sulfate mg/L	Chloride mg/L	Carbonate mg/L	Bicarbonate mg/L	TDS mg/L
23650	MW 17	2.40	100	-		
•		248	133	0	300	864
23651	MW 18	251	142	, <b>0</b>	280	868
23652	MW 19	102	89	.0	220	501
23653	MW 22	213	89	0 -	300	7 <b>22</b>
23654	MW 24	105	, 80	, · <b>0</b>	240	546
23655	MW 25	97	89	0	230	548
•	•					
	`	-		, .	•	•
	QUALITY CONTROL	48.5	5052	. *	*	•
	TRUE VALUE	<b>5</b> 0.0	5000	*		•
	% PRECISION	97	101	*	#	•
*	ANALYSIS DATE	2/23/00	2/23/00	2/24/00	2/24/00	2/19/00

METHODS: EPA 375.4, 325.3, 310, 160.1

S) 563-1713 CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST	-3760 ANALYSIS REQU	TONTE SON SANTELEN SA	REMARKS P. L. L. L. T. C. J. W. W. Mail Fact W. C. W. C.
Lab of Texas, Inc. 12600 Wed 1	FAX H3 (915) 664 FAX H3 (505) 352	Project Name:  Project Name:  Sampler Signatud::  Soll MATRIX  HOCE  OTHER  NOUNE NOTHER  Project Name:  Soll MATRIX  HOOS  NOUNE Signatud::  A HOCL  NOTHER  NOUNE NOTHER  OTHER  NOUNE  OTHER  OTHER	Date:   Time:   Received by:
Environmenta	1056	Fraject II.  Fraject Lacadon:  Fraject Lacadon:  MWWW.M. P. C. C. T. 104 4C  Fraject Lacadon:  MWW.M. P. C. C. C. M. M. P. C. C. C. M. M. P. C. C. C. M. M. P. C.	Relinquished by: Relinquished by:



"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.

ATTN: MR. JESSE TAYLOR

P.O. BOX 4845

MIDLAND, TEXAS 79704

FAX: 915-520-4310 FAX: 505-392-3760

SampleType: Water

Sample Condition: Intact/ Iced/HCI/ 32 deg. F

Project #: EOT 2044C
Project Name: Bob Durham
Project Location: Monument, N.M.

Sampling Date: 06/09/00 Receiving Date: 06/10/00 Analysis Date: 06/13/00

ELT#	FIELD CODE	. BENZENE mg/L	TOLUENE mg/L	ETHYLBENZENE mg/L	m.p-XYLENE mg/L	o-XYLENE mg/L
26574	E WM	0.433	0.016	0.119	0.095	0,056
26575	MW 9	0.078	0.002	0.002	0.002	0.001
26576	MW 10	<0.001	<0.001	<0.001	<0.001	0.001
26577	MW 11	0.006	< 0.001	< 0.001	<0.001	<0.001
26578	MW 13	0.777	0.007	0. <b>059</b>	0.044	0.010
26579	MW 14	0.003	<0.001	<0.001	<0.001	<0.001
26580	MW 15	0.010	<0.001	<0.001	<0.001	<0.001
26581	MW 17	<0.001	<0.001	< 0.001	< 0.001	<0.001
26582	MW 18	<0.001	< 0.001	<0.001	< 0.001	<0,001
26583	MW 19	<0.001	<0.001	<0.001	< 0.001	<0.001
26584	MW 20	0.004	0.001	0.001	0.003	<0.001
26585	MW 21	0,001	0.001	0.001	0.002	0.001
26586	MW 22	<0.001	<0.001	<0.001	< 0.001	<0.001
26587	MW 24	<0.001	<0.001	< 0.001	< 0.001	<0.001
26588	MW 25	<0.001	< 0.001	< 0.001	<0.001	<0.001
26589	MW 26	<0.001	< 0.001	<0.001	<0.001	<0.001
26590	MW 27	<0.001	<0.001	<0.001	<0.001	<0.001
	% IA	90	87	89	96	88
	% EA	92	90	90	97	89
	BLANK	<0.001	<0.001	<0.001	<0.001	<0.001

METHODS: SW 846-8021B,5030

Unesh Ban Ph D

6/16/00



"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC. ATTN: MR. JESSE TAYLOR P.O. BOX 4845

MIDLAND, TEXAS 79704 FAX: 505-392-3760 FAX: 915-520-4310

Sample Type: Water

Sample Condition: Intact/ load/ 32 deg. F

Project #: EOT 2044C Project Name: Bob Durham Project Location: Monument, N.M. Sampling Date: 06/09/00 Receiving Date: 06/10/00 Analysis Date: See Below

ELT#	FIELD CODE	Sudate mg/L	Chloride mg/L	Carbonale mg/L	Bicarbonate mg/L	TDS mg/L
26584	MW 20	130.7	106	0	360	783
26585	MW 21	81.2	81	Ö	366	694
26589	MW 26	158.8	177	Ō	280	855
26590	MW 27	164.5	112	0	286	792
	QUALITY CONTROL	56.8	<del>5</del> 495	•	•	*
	TRUE VALUE	50.0	5000	*	*	*
	% PRECISION	114	110	*	•	•
	ANALYSIS DATE	06/27/00	06/16/00	06/23/00	06/23/00	06/16/00

METHODS: EPA 375.4, 325.3, 310, 160.1

Environmental Lab of Texas, Inc. 12600 Wert 1-20 Ex	KAS, Inc. 12600 Wert 1-20 Ex. (915) 563-1800		CHAIN-OF-CUSTODY RECORD AND	DRD AND ANALYSIS REQUEST	QUEST
Project Numero: JESSE TAYLOR	Phone # (5°C). FAX #: (5°C)	1392-8731	ANALY SIS REQUEST	REQUEST	
Company Name & Address: 676.7	MI andudia	79204			
	Project Name:			0	,
FOT 2044C	Bag, Due	KLTIAN		70	
Project Location:	Sampler Signature:	6	10 P		
Modument MA	other)	diana	9 €8 13 €8	57 06 70)	i Neg
W	MATRIX	PRESERVATIVE SAMPLING METHOD	eA g/ eA g/ e	12.131 12.131 12.131 13.131	
LAB# FIELD CODE	3E น s\vmor		elsleN elslei A elslei	W 1 3743 1049 1	
ONLY )	N CON	HND3 HONE HONE DATE	97EX 1PH TCLP I TCLP 7 TCLP 5 TCLP 5	1040 1040 1440 1440	
Mus 21	12-WES   X         X   X	6.4 12	×	7 X X X	
MW 32	2   V	900/			
1911 24	7	81111			
My 25	2   1	9181			
Mw 2.6	15 W:5111 1111	Mr.u   X	>	X	
MW27	1 N N 9	1130	-   -   -   -   -   -   -   -   -   -		
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(age)	That: Rech	Received by: Leele It for FR	FAX LESULTS ! 1	HORES OFFICE	V
Relinquished by: Date:	Times: Receiv	Received by:	32°F		
Relinquished by: Date:	Times: Receh	Received by Laboratory.	INVOICE : FOTT	- losm	
	•				

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ENVIRONMENTAL TECHNOLOGY GROUP, INC.

ATTN: MR. JESSE TAYLOR

P.O. BOX 4845

MIDLAND, TEXAS 79704

FAX: 915-520-4310 FAX: 505-397-4701

SampleType: Water

Sample Condition: Intact/ Iced/ HCl/ 34 deg. F

Project #: EOT 2044C
Project Name: Bob Durham
Project Location: Monument, N.M.

Sampling Date: 07/13/00 Receiving Date: 07/14/00 Analysis Date: 07/23/00

ELT#	FIELD CODE	BENZENE mg/L	TOLUENE mg/L	ETHYLBENZENE mg/L	m.p-XYLENE mg/L	o-XYLENE mo/L	
674.06	,				,		
28189	MW-29	<0. <b>0</b> 01	<0.001	<0.001	< 0.001	<0.001	
28190	MW-30	<0.001	0.001	0.001	0.002	<0.001	
28191	MW-31	0.002	0.002	<0,001	<0.001	<0.001	
28192	MW-32	< 0.001	0.003	<0.001	<0.001	<0.001	
28193	MW-33	0.008	0.002	<0.001	0.002	<0.001	
28194	MW-34	<0.001	< 0.001	<0.001	<0.001	<0.001	
28195	MW-35	< 0.001	<0.001	<0.001	<0.001	<0.001	
28196	MW-36	<0.001	<0.001	<0.001	<0.001	<0.001	

% IA	98	95	98	112	100
% EA	95	91	94	106	95
BLANK	<0.001	<0.001	<0.001	<0.001	<0.001

METHODS: SW 846-8021B,5030

Kal an Ch Jullo
Raland K. Tuttle

7-26-00

Date

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.

ATTN: MR. JESSE TAYLOR

P.O. BOX 4845

MIDLAND, TEXAS 79704

FAX: 505-397-4701 FAX: 915-520-4310

Sample Type: Water

Sample Condition: Intact/ loed/ 34 deg. F

Project #: EOT 2044C
Project Name: Bob Durham
Project Location: Monument, N.M.

Sampling Date: 07/13/00 Receiving Date: 07/14/00 Analysis Date: See Below

ELTH	FIELD CODE	Sulfate mg/L	Chloride mg/L	Carbonale mg/L	Bicarbonate mg/L	TDS .
26189	MW 29	308	292	0	344	1406
28190	MW 30	90	106	0	320	615
28191	MW 31	62	168	0	420	801
28192	MW 32	136	97	0	323	676
28193	MW 33	199	118	Ö	332	796
28194	MW 34	212	142	Ó	293	825
28195	MW 35	175	102	0	273	645
28196	MW 36	168	97	0	267	646
QI	UALITY CONTROL	47.7	5406	•	•	•
TF	RUE VALUE	50.0	5000	•	•	•
%	PRECISION	95	108			•
AA	NALYSIS DATE	07/19/00	07/18/00	7/18/00	07/18/00	07/19/00

METHODS: EPA 375.4, 325.3, 310, 160.1

Ralandt Jual

7-27-00 Date

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.

ATTN: BETH ALDRICH P.O. BOX 4845 MIDLAND, TEXAS 79704 FAX: 915-520-4310

FAX: 505-397-4701

SampleType: Water

Sample Condition: Intact/ Iced/ HCI

Project #: EOT 2044C Project Name: Bob Durham Project Location: Monument, N.M. Sampling Date: 09/20/00 Receiving Date: 09/22/00 Analysis Date: 09/28/00

ELT#	FIELD CODE	BENZENE mg/L	TOLUENE ing/L	FTHYLBENZENE ing/L	m,p-XYLENE mg/L	o XYLENE Mg/L	TOTAL BTEX mg/L
31197	MW 3	0.138	0.004	0.120	0.100	0.029	0.701
31198	MW 9	0.012	<0.001	<0.003	<0.001	<0.029	0.391
31199	MW 10	0.003	< 0.001	<0.003	<0.001	0.001	0.012
31200	MW 11 :	0.014	<0.001	<0.001	<0.001	< 0.002	C.014
31201	MW 13	0.946	<0.002	0.076	0.163	0.044	1.23
31202	MW 14	0 005	<0.001	<0.001	<0.001	<0.001	0.005
81203	MW 15	0.012	<0.001	<0.001	<0.001	<0.001	0.003
31204	MW 17	0.001	< 0.001	<0.001	<0.001	<0.001	0.012
31205	MW 18	< 0.001	0.001	0.001	0.006	0.003	0.001
1206	MW 19	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
31207	MW 20	0.002	<0.001	<0.001	<0.001	<0.001	0.002
31214	MW 21	0.004	<0.001	<0.001	0.001	<0.001	0.002
31215	MW 22	< 0.001	< 0.001	<0.001	<0.001	<0.001	<0.003
31216	MW 24	<0.001	<0.001	<0.001	<0.001	<0.001	<0.003
% I <i>F</i> % E		98 87	96 89	96	100	92	
BLA.		<0.001	<0.001	86 <0.001	8 <del>9</del> <0.001	90 <0.001	

METHODS: SW 846-80218,5030

Ralan ox Joul

9-30-00

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.

ATTN: BETH ALDRICH

P.O. BOX 4845

MIOLAND, TEXAS 79704 FAX: 915-520-4310 FAX: 505-397-4701

SampleType: Water

Sample Condition: Intact/ Iced/ HCI

Project #: EOT 2044C Project Name: Bob Durham Project Location: Monument, N.M Sampling Date: 09/20/00 Receiving Date: 09/22/00 Analysis Date: 09/29/00

ELTA	FIELD CODE	genzene .mg/L	IGLUENE mg/l	ETHYLBENZFNE mg/l	may-XYI,ENL mg/L	a XYLENE nig/L	TOTAL Blex mg/L
31217	MW 25	<0.001	100.0>	-0.001			
31218				< 0.001	<0.001	<0.001	<0.001
<del>_</del>	MW 26	<0.001	<0.001	<0.001	<0.001	< 0.001	< 0.001
31219	MW 27	<0.001	< 0 001	< 0.001	< 0.001	< 0.001	<0.001
31220	MW 29	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	100.0>
31221	MW 30	<0.001	< 0.001	< 0.001	< 0.001	< 0.001	<0.001
31222	MW 31	< 0.001	< 0.001	0.001	< 0.001	< 0.001	0.001
31223	MW 33	< 0.001	< 0.001	< 0.001	<0.001	<0.001	<0.001
31224	MW 34	< 0.001	< 0.001	<0.001	<0.001	<0.001	<0.001
31225	MW 35	< 0.001	< 0.001	< 0.001	<0.001	<0.001	<0.001
31226	MW 36	< 0.001	<0.001	<0.001	<0.001	<0.001	<0.001
31227	EB 1	<0.001	< 0.001				
		10.001	~0.001	<0.001	<0.001	<0.001	<0.001

% IA	93	92	92	95	86
% EA	98	97	97	96	93
BLANK	<0.001	<0.001	<0.001	< 0.001	<0.001

METHODS: SW 846-8021B,5030

Raland K. Tuttle

9-30-00 Date

21713 CILLIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST  CACAF 235		ANALYSIS REQUEST 206/3						9# Cq 9# Cq	4 6 6 4 9 6 4 6 9 6 9 6 9 6 9 9 9 9 9 9	8.1 8.1 8.1 8.1 8.1 8.1 8.1 8.1	ME	이 기 기 기 이	X ST		1.232		7476			12.7	73.	4025	REMARKS.	INVOICE: EOIT	FAX RESULTS HORDES OFFICE	)	
CXAS, Inc. 12600 Wet1-20 East Odese, Texas 79763 (915) 562-1800 FAX (915) 562-1713	Phone H: 505 397-4882	TAIN: (Pa) 397-478		MARLAND HOBBS NM	Project Name:	808 DURHAM	1 =	Amo kos	F NIATRY PRESERVATIVE METHOD	1010	CONT.  THER  THER	NI HI HI CO NI	2 V X   X   X   4.26									7		30 7.3c On B	Than:	Time: Received by Laboratory;	
Environmental Lab of Texas, In	Project Massers	BETH ALDERCH	Company Huma & Address: FTG Z	2540 W		EOT 2444C	Project Location	MONUMENT NIM		111 mm	2000 01314 (250 651)	-	31214 MW 21	31215 my 22	31216 my 24	31217 MW 25		31219 My 27	 31221 MW 30		31223 MW 33	my	Date	Enes	1036: Dale:	dimedity.	

Mar	03 01	:E0	26b				_1_	 <del>-                                    </del>	<del></del>	<del></del>	-,	Y7	<del>y</del> -	 <del></del>	- <b></b>	······································	p.6
REQUEST	343															FF.C.	
CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST		1			≉Λ 2Α 9 ≉Α β/ ε	TCLP Metals Total Metals A TCLP Volatife TCLP Semi Vi TCS									TNUNCE FOIT	т.	Kesurs: EOT
, 12600 West 1-20 East Odeser, Teras 79763 (915) 563-1800 FAX (915) 563-1713	Phone N: 605) 397-4882 FAXN: (505) 197-474,	MARLAND HEBSS NM	Project Name: 1808 D.	Supplier Signature:	METITOD SAMPLING	NOUTER SOLL  SOUL  SOUL	2 Y X	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1							1 Rectred by: REALA	That: 8:00 A N'N LEAVEN OF	That: Received by Laboratory MAIL
Environmental Lab of Texas, Inc.	Project Manger. BETH ALDRICH	Company Name & Address: F7GZ	Project 1: - LOT 2044C	Project Locations		ראם הפב)     ראש הפב   (האש הפב)	MW.	31227 68 1						Relinguished by:	000	3	Newsquared by: Date:

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC. ATTN: BETH ALDRICH P.O. BOX 4845

MIDLAND, TEXAS 79704 FAX: 915-520-4310

Sample Type: Water

Sample Condition: Intact/ Iced/ HCI/ -0.5 deg, C

Project #: EOT 2044C/ TNM-LF-2000-7

Project Name: Bob Durham Project Location: Monument, N.M. Sampling Date: 12/20/00 Receiving Date: 12/22/00 Analysis Date: 12/27/00

ELT#	FIELD CDDE	BENZENE mg/L	TOLUENE mg/L	ETHYLBENZENE mg/L	m,p-XYLENE mg/L	a-XYLENE rng/L
35585	MW 3	0.117	0.002	0.044	0.030	0.003
35586	MW 9	0.022	< 0.002	0.003	8.000	0.003
35587	MW 10	0.004	<0.001	< 0.001	0.003	<0.001
35588	MW 11 1	0.005	< 0.001	<0.001 <0.001	<0.001	<0.001
3558 <del>9</del>	MW 13	0.673	0.002		<0.001	<0.001
15590	MW 14	<0.001		0.092	0.158	fl.054
35591	MW 15	0.004	<0.001	< 0.001	< 0.001	< 0.001
95592	MW 17	-	< 0.001	<0.001	< 0.001	<0.001
95593	MW 19	<0.001 <0.001	<0.001	<0.001	<0.001	<0.001
5594	MW 20		<0.001	<0.001	<0.001	<0.001
15595	MW 21	< 0.001	< 0.001	< 0.001	<0.001	< 0.001
35596	MW 22	< 0.001	<0.001	<0.001	0.001	<0.001
35597		< 0.001	<0.001	<0.001	< 0.001	<().001
,,,,,,,	MW 24	<0.001	<0.001	<0.001	<0.001	<0.001
%1A		85	85	<b>3B</b>	90	86
%EA	_	90	85	91	92	86
BLANK	(	<0.001	< 0.001	< 0.001	<0.001	<0.001

METHODS: EPA SW 846-8021B ,5030

Rilade Jours

Raland K. Tuttle

/2-29-00



"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.

ATTN: BETH ALDRICH

P.O. BOX 4845

MIDLAND, TEXAS 79704 FAX: 915-520-4310

Sample Type: Water

%EA

BLANK

Sample Condition: Intact/ Iced/ HCI/ -0.5 deg. C

Project #: EOT 2044C/ TNM-LF-2000-7

Project Name: Bob Durham Project Location: Monument, N.M.

Sampling Date: 12/20/00 \* Receiving Date: 12/22/00

Analysis Date: 12/28/00

FIELD CODE	mg/L	TOLUENE nig/L	ETHYLBENZENE mg/L	m,p-XYLENE ing/L	o-XYLENE nig/L
8 MW 25 9 MW 26 0 MW 27 1 MW 29 2 MW 30 3 MW 31 4 MW 33 5 MW 34 6 MW 35 7 MW 36 8 EB 1	<0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001	<0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001	<0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001	<0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001	<0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001

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METHODS: EPA 5W 846-80218 .5030

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COPY

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.

ATTN: MR. JESSE TAYLOR 2540 W. MARLAND HOBBS, N.M. 88240

FAX: 505-397-4701

Sample Type: Water

Sample Condition: Intact/ Iced/ 0.5 deg. C

Project #: ECT 2044C Project Name: Bob Durham Project Location: Monument, N.M. Sampling Date: 03/21/01 Receiving Date: 03/26/01 Analysis Date: 03/29/01

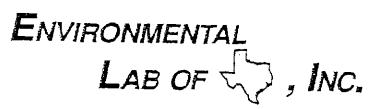
ELT≄	FIELD CODE	BENZENE mg/L	TOLUÉNE mg/L	ETHYLBENZENE mg/L	m,p-XYLENE mg/L	o-XYLENE mg/L	
38520	MW-3	0.130	<0.005	0.030	0.038	<0.005	
38521	e-wm	0.008	<0.001	0.002	<0.001	<0.001	
8522 .	MW-10	0.018	< 0.001	0.002	< 0.001	<0.001	
8523	MW-11	0.006	<0.001	<0.001	<0.001	< 0.001	
8524	MW-13	0.517	< 0.005	0.117	0.161	0.008	
8525	MW-14	< 0.001	< 0.001	<0.001	<0.001	<0.001	
8525	MW-15	0.007	< 0.001	<0.001	<0.001	<0.001	
8527	MW-17	<0.001	<0.001	<0.00%	<0.001	< 0.001	
8528	MW-18	<0.001	< 0.001	<0.001	< 0.001	<0.001	
38528	MW-18	<0.001	<0.001	(00.0>	<0.001	≺0.001	4

%IA	91	97 `	100	99	99
%EA	86	89	93	90	92
BLANK -	<0.001	<0.001	<0.001	<0.001	<0.001

METHODS: EPA SW 846-8021B ,5030

Galang K Tuttle

4-2-01



"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.

ATTN: MR. JESSE TAYLOR 2540 W. MARLAND HOBBS, N.M. 88240 FAX: 505-397-4701

Sample Type: Water

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Sample Condition: Intact/ Iced/ 0.5 deg. C

Project #: ECT 2044C Project Name: Bob Durham Project Location: Monument, N.M. Sampling Date: 03/21/01 Receiving Date: 03/26/01 Analysis Date: 04/02/01

SLT#	FIELD CODE	BENZENE riig/L	TOLUENE mg/L	ETHYLBENZENE mg/L	m,p-XYLENE mg/L	o-XYLENE mg/L	
38529	MW-19	<0.001	<0.001	-0.001	-0.001	<0.001	
-	·			<0.001	<0.001		
38530	MW-20	<0.001	< 0.001	<0.001	<0.001	<0.001	
36531	MW-21	0.002	<0.001	0.002	0.001	<0.001	
38532	MW-22	<0.001	<0.001	< 0.001	< 0.001	<0.001	
38533	MW-24	<0.001	< 0.001	< 0.001	IOO.0>	<0.001	
38534	MW-25	< 0.001	< 0.001	<0.001	< 0.001	<0.001	
38535	MW-26	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	
38536	MW-27	< 0.001	< 0.001	< 0.001	<0.001	<0.001	
38537	MW-29	<0.001	< 0.001	<0.001	< 0.001	< 0.001	
38538	MW-30	<0.001	< 0.001	<0.001	< 0.001	<0.001	
38539	MW-31	0,006	<0.001	0.002	<0.001	<0.001	
38540	MW-33	<0.001	<0.001	<0.001	<0.001	<0.001	
38541	MW-34	<0.001	< 0.001	< 0.001	<0.001	<0.001	
38542	MW-35	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	
38543	MW-36	< 0.001	< 0.001	<0.001	<0.001	<0.001	
38544	EB-1	<0.001	< 0.001	<0.001	<0.001	<0.001	
%IA		89	95	99	98	99	
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METHODS: EPA SW 846-8021B ,5030

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9-2-0/ Date

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST Project Lac: MONEMENT NM Project Name GOB DUCKELL Project #: 601 2044C Coc#43 Environmental Lab of Texas, Inc. Company Addiess 25 49 W HARKAND Lamoneth (5/25) 397-4882 Phone: 915-563-1803 Fax: 915-563-1713 Pruject Manager. Company Home ETGZ CHYSTALIZED - HOBBS Sampler Signature Charac 126ub West ( 20 East Octobra, Teras 79763

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CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Name: ROB JURKAN Project N. EOT DAY Project Loc. 1700 UMEN 7 Sumpany Address. 25 40 10 MARIAND 1 chephone 12 (5/45) 399-4882 Phone: 915-563-1800 Fax: 915-563-1713 CHYSTATER NOBBS NH 1556 Company Dame FLGI Fruject Manager. Saturder Signature 2 Izüberyesi Fal Edst Odessa, fetas 79763

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Environmental Lab of Texas, Inc.

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Received by:

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(806) 794-1296

2001Order Number: A01060718 EOT 2044C Bob Durham

Page Number: 1 of 2 Monument NM

#### Summary Report

Ken Dutton

Report Date:

June 14, 2001

ETGI

2540 W. Marland

Hobbs, NM

Order ID Number: A01060713

Project Number: Project Name:

EOT 2044C Bob Durham

Project Location: Monument NM

	•		Date	Time	Date
Sample	Description	Matrix	Taken	Taken	Received
172786	MW-3	Water	6/5/01	15:45	6/7/01
172787	MW-9	Water	6/5/01	13:32	6/7/01
172788	MW-10	Water	6/5/01	13:17	6/7/01
172789	MW-11	Water	6/5/01	12:42	6/7/01
172790	MW-13	Water	6/5/01	12:30	6/7/01
172791	MW-14	Water	6/5/01	12:15	6/7/01
172792	MW-15	Water	6/5/01	13:00	6/7/01
172793	MW-17	Water	6/5/01	13:45	6/7/01
172794	MW-18	Water	6/5/01	14:00	6/7/01
172795	MW-19	Water	6/5/01	9:46	6/7/01
172796	MW-20	Water	6/5/01	10:30	6/7/01
172797	MW-21	Water	6/5/01	10:40	6/7/01
172798	MW-22	Water	6/5/01	10:00	6/7/01
172799	MW-24	Water	6/5/01	9:30	6/7/01
172800	MW-25	Water	6/5/01	9:15	6/7/01
172801	MW-26	Water	6/5/01	15:31	6/7/01
172802	MW-27	Water	6/5/01	13:11	6/7/01
172803	MW-30	Water	6/5/01	11:22	6/7/01
172804	MW-29	Water	6/5/01	11:00	6/7/01
172805	MW-31	Water	6/5/01	11:45	6/7/01
172806	MW-33	Water	6/5/01	12:00	6/7/01
172807	MW-34	Water	6/5/01	14:16	6/7/01
172808	MW-35	Water	6/5/01	14:33	6/7/01
172809	MW-36	Water	6/5/01	14:52	6/7/01
172810	EB-1	Water	6/5/01	16:00	6/7/01

This report consists of a total of 2 page(s) and is intended only as a summary of results for the sample(s) listed above.

-			BTEX		
	Benzene	Toluene	Ethylbenzene	M.P.O-Xylene	Total BTEX
Sample - Field Code	(mg/L)	mg/L)	(mg/L)	(mg/L)	(mg/L)
172786 - MW-3	0.122	<:0.005	0.0333	0.0266	0.182
: 172787 - MW-9	0.0098	<:U.0 <b>0</b> 5	<0.005	< 0.005	0.0098
172788 - MW-10	0.0717	<:0.005	< 0.005	< 0.005	0.0717
172789 - MW-11	< 0.001	< 0.001	0.0032	< 0.001	0.0077
172790 - MW-18	1).=79	< 0.005	0.143	0.236	0.858
172791 - MW-14	< 0.001	<:0.001	< 0.001	< 0.001	< 5.001
172792 - MW-15	0.002	< 9.001	< 0.001	< 0.001	0.002
170793 - MW-17	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005

TraceAnalysis, Inc.

6701 Aberdeen Ave., Suite 9

Lubbock, TX 79424-1515

(806) 794-1296

Report Date: June 14, 2001Order Number: A01060718

EOT 2044C

Bob Durham

Page Number: 2 of 2 Monument NM

}			BTEX		
	Benzene	Toluene	Ethylbenzene	M,P,O-Xylene	Total BTEX
Sample - Field Code	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
172794 - MW-18	< 0.005	< 0.005	<0.005	< 0.005	< 0.005
172795 - MW-19	< 0.001	< 0.001	<0.001	< 0.001	< 0.001
172796 - MW-20	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
172797 - MW-21	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
172798 - MW-22	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
172799 - MW-24	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
172800 - MW-25	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
172801 - MW-26	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
172802 - MW-27	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
172803 - MW-30	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
172804 - MW-29	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
172805 - MW-31	< 0.001	< 0.001	0.001	< 0.001	0.001
172806 - MW-33	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
172807 - MW-34	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
172808 - MW-35	< 0.005	< 0.005	< 0.00,5	< 0.005	< 0.005
172809 - MW-36	< 0.005	< 0.005	< 0.005	<0.005	< 0.005
172810 - EB-1	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001

6701 Aberdeen Avenue, Suite 9 155 McCutcheon, Suite H Lubbock, Texas 79424 El Paso, Texas 79932

800 • 378 • 1296 888 • 588 • 3443 806 • 794 • 1296 915 • 585 • 3443 FAX 806 • 794 • 1298 FAX 915 • 585 • 4944

E-Mail: lab@traceanalysis.com

#### Analytical and Quality Control Report

Ken Dutton

Report Date:

June 14, 2001

ETGI

2540 W. Marland Hobbs, NM

Order ID Number: A01060718

Project Number: E0
Project Name: Bo
Project Location: M

EOT 2044C Bob Durham Monument NM

Enclosed are the Analytical Results and Quality Control Data Reports for the following samples submitted to Trace-Analysis, Inc.

			Date	Time	Date
Sample	Description	Matrix	Taken	Taken	Received
172786	MW-3	Water	6/5/01	15:45	6/7/01
172787	MW-9	Water	6/5/01	13:32	6/7/01
172788	MW-10	Water	6/5/01	13:17	6/7/01
172789	MW-11	Water	6/5/01	12:42	6/7/01
172790	MW-13	Water	6/5/01	12:30	6/7/01
172791	MW-14	Water	6/5/01	12:15	6/7/01
172792	MW-15	Water	6/5/01	13:00	6/7/01
172793	MW-17	Water	6/5/01	13:45	6/7/01
172794	MW-18	Water	6/5/01	14:00	6/7/01
172795	MW-19	Water	6/5/01	9:46	6/7/01
172796	MW-20	Water	6/5/01	10:30	6/7/01
172797	MW-21	Water	6/5/01	10:40	6/7/01
172798	MW-22	Water	6/5/01	10:00	6/7/01
172799	MW-24	Water	6/5/01	9:30	6/7/01
172800	MW-25	Water	6/5/01	9:15	6/7/01
172801	MW-26	Water	6/5/01	15:31	6/7/01
172802	MW-27	Water	6/5/01	13:11	6/7/01
172803	MW-30	Water	6/5/01	11:22	6/7/01
172804	MW-29	Water	6/5/01	11:00	6/7/01
172805	MW-31	Water	6/5/01	11:45	6/7/01
172806	MW-33	Water	6/5/01	12:00	6/7/01
172807	MW-34	Water	6/5/01	14:16	6/7/01
172808	MW-35	Water	6/5/01	14.33	6/7/01
172809	MW-36	Water	6/5/01	14:52	6/7/01
172810	EB-1	Water	6/5/01	16:00	6/7/01

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 16 pages and shall not be reproduced except in its entirety including the chain of custody +COC), without written approval of TraceAnalysis. Inc.

Dr. Blair Leftwich, Director

#### Analytical Report

Sample: 172786 - MW-3

Analysis:	BLEX	Analytical Method:	S 8021B	QC Batch:	QC11811	Date Analyzed:	6/9/01
Analyst:	CG	Preparation Method:	E 5030B	Prep Batch:	PB10097	Date Prepared:	6/9/01

Param	Flag	Result	Units	Dilution	RDL
Benzene		0.122	mg/L	5	0.001
Toluene	•	< 0.005	$_{ m mg/L}$	5	0.001
Ethylbenzene		0.0333	mg/L	5	0.001
M,P,O-Xylene		0.0266	mg/L	5	0.001
Total BTEX	•	0.182	mg/L	5	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
TFT	,	0.439	mg/L	5	0.10	87	72 - 128
4-BFB		0.447	m mg/L	5	0.10	89	72 - 128

Sample: 172787 - MW-9

Analysis:	$\mathtt{BTEX}$	Analytical Method:	S 8021B	QC Batch:	QC11811	Date Analyzed:	6/9/01
Analyst:	CG	Preparation Method:	E 5030B	Prep Batch:	PB10097	Date Prepared:	6/9/01

Param	Flag	Result	Units	Dilution	RDL
Benzene		0.0098	mg/L	5	0.001
Toluene		< 0.005	$m_{\mathbf{g}}/L$	5	0.001
Ethylbenzene		< 0.005	m mg/L	5	0.001
M,P,O-Xylene		< 0.005	mg/L	5	0.001
Total BTEX		0.0098	$_{ m mg/L}$	5	0.001

				•	Spike	Percent	Recovery
Surrogate	Flag	Result	Units	Dilution	Amount	Recovery	Limits
TFT		0.454	m mg/L	5	0.10	90	72 - 128
4-BFB		0.448	m mg/L	5	0.10	89	72 - 128

Sample: 172788 - MW-10

Analysis:	BTEX	Analytical Method:	S 8021B	QC Batch:	QC11811	Date Analyzed:	6/9/01
Analyst:	CG	Preparation Method:	E 5030B	Prep Batch:	PB10097	Date Prepared:	6/9/01

Param	Flag	Result	Units ·	Dilution	RDL
Benzene		0.0717	mg/L	5	0.001
Toluene		< 0.005	$\mathrm{mg}/\mathrm{L}$	5	0.001
Ethylbenzene		< 0.005	mg/L	5.	0.001
M.P.O-Xylene		< 0.005	m mg/L	5	0.001
Iotai BTEN		v.0717	mg/L	5 <u> </u>	0.001

Order Number: A01060718 Bob Durham Page Number: 4 of 16 Monument NM

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
TFT 4-BFB		0.384 0.391	mg/L mg/L	5 5	0.10 0.10	76 78	72 - 128 72 - 128

Sample: 172789 - MW-11

Analysis: BTEX Analytical Method: S 8021B QC Batch: QC11811 Date Analyzed: 6/9/01 Analyst: CG Preparation Method: E 5030B Prep Batch: PB10097 Date Prepared: 6/9/01

Param	Flag	Result	Units	Dilution	$\mathtt{RDL}$
Benzene		< 0.001	mg/L	1	0.001
Toluene		< 0.001	m mg/L	1	0.001
Ethylbenzene		0.0032	$ m mg/L_{:}$	1	0.001
M,P,O-Xylene		< 0.001	mg/L	1	0.001
Total BTEX		0.0077	mg/L	1	0.001
Test Comments		0.0032	$_{ m mg/L}$	1	

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
TFT		0.0926	mg/L	1	0.10	92	72 - 128
4-BFB		0.0931	${ m mg/L}$	1	0.10	93	72 - 128

Sample: 172790 - MW-13

Analysis: BTEX Analytical Method: S 8021B QC Batch: QC11905 Date Analyzed: 6/11/01 Analyst: CG Preparation Method: E 5030B Prep Batch: PB10186 Date Prepared: 6/11/01

Param	Flag	Result	Units	Dilution	ar.	$\mathtt{RDL}$
Benzene		0.479	mg/L	5		0.001
Toluene		<0.005	m mg/L	5		0.001
Ethylbenzene		0.143	mg/L	5		0.001
M,P,O-Xylene		0.236	mg/L	5		0.001
Total BTEX		0.858	${ m mg/L}$	. 5		0.001

					Spike	Percent	Recovery
Surrogate	Flag	Result	Units	Dilution	Amount	Recovery	Limits
TFT		0.384	mg/L	5	0.10	76	72 - 128
4-BFB		0.411	$\mathtt{mg/L}$	5	0.10	82	72 - 128

Sample: 172791 - MW-14

Analysis: BTEX Analytical Method: S 3021B QC Batch: QC11905 Date Analyzed: 6/11/01 Analyst: CG Preparation Method: E 5030B Prep Batch: PB10186 Date Prepared: 6/11/01

Param	Flag	Result	Units	Dilution	RDL
Benzene		<0.001	ing/L	7	0.001
Toluene		< 0.001	$\mathfrak{m}\mathfrak{q}/L$ _	<u> </u>	0.001

Report Date: June 14, 2001

**EOT 2044C** 

Order Number: A01060718

Bob Durham

Page Number: 5 of 16 Monument NM

$\dots$ Continued	Sample: 172791	Analysis: BTEX			
Param	Flag	Result	Units	Dilution	$\mathtt{RDL}$
Ethylbenzene		< 0.001	mg/L	1	0.001
M,P,O-Xylene		< 0.001	ing/L	1	0.001
Total BTEX		< 0.001	mg/L	1	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
TFT		0.0787	${ m mg/L}$	l	0.10	78	72 - 128
4-BFB		0.0748	mg/L	l	0.10	74	72 - 128

Sample: 172792 - MW-15

Analysis: BTEX Analytical Method: \$ 8021B QC Batch: QC11905 Date Analyzed: 6/11/01 Analyst: CG Preparation Method: E 5030B Prep Batch: PB10186 Date Prepared: 6/11/01

Param	Flag	Result	Units	Dilution	RDL
Benzene		0.002	mg/L	1	0.001
Toluene		< 0.001	mg/L	1	0.001
Ethylbenzene		< 0.001	mg/L	1	0.001
M,P,O-Xylene		< 0.001	m mg/L	1	0.001
Total BTEX		0.002	mg/L	1	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
$\overline{ ext{TFT}}$		0.0781	mg/L	1	0.10	78	72 - 128
4-BFB		0.0748	mg/L	1	0.10	74	72 - 128

172793 - MW-17 Sample:

Analysis: BTEX Analytical Method: \$ 8021B QC Batch: QC11905 Date Analyzed: 6/11/01 Date Prepared: Analyst: CG Preparation Method: E 5030B Prep Batch: PB10186 6/11/01

Param	Flag	Result	Units	Dilution	RDL
Benzene		<0.005	${ m mg/L}$	5	0.001
Toluene		< 0.005	mg/L	. 5	0.001
Ethylbenzene		< 0.005	mg/L	5	0.001
M.P.O-Xylene		< 0.005	m mg/L	′ 5	0.001
Total BTEX		< 0.005	${ m mg/L}$	5	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
TFT		0,372	mg/L	ā	0.10	74	72 - 128
4-BFB		0.358	m mg/L	5	0.10	72	72 - 128

Sample: 172794 - MW-18

BTEK Anaivsis: Analytical Method: QC Batch: S 3021B QC11905 Date Analyzed: 6/11/0I Analyst: CG Preparation Method: E 5030B Prep Batch: PB10186 Date Prepared: 6/11/01 Report Date: June 14, 2001

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Param	Flag	Result	Units	Dilution	RDL
Benzene		< 0.005	mg/L	5	0.001
Toluene		< 0.005	$_{ m mg/L}$	ว้	0.001
Ethylbenzene		< 0.005	mg/L	5 .	0.001
M,P,O-Xylene		< 0.005	mg/L	5	0.001
Total BTEX		< 0.005	mg/L	5	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
$\overline{ ext{TFT}}$		0.371	${ m mg/L}$	5	0.10	74	72 - 128
4-BFB	1	0.353	mg/L	5	0.10	70	72 - 128

Sample: 172795 - MW-19

Analysis: BTEX Analytical Method: S 8021B QC Batch: QC11905 Date Analyzed: 6/11/01 Analyst: CG Preparation Method: E 5030B Prep Batch: PB10186 Date Prepared: 6/11/01

Param	Flag	Result	Units	Dilution	RDL
Benzene		< 0.001	mg/L	1 ,	0.001
Toluene ,		< 0.001	m mg/L	1	0.001
Ethylbenzene		< 0.001	m mg/L .	1	0.001
M,P,O-Xylene		< 0.001	mg/L	1	0.001
Total BTEX		< 0.001	mg/L	1	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
$\overline{ ext{TFT}}$	2	0.0548	${ m mg/L}$	1	0.10	54	72 - 128
4-BFB	3	0.0567	$_{ m mg/L}$	1	0.10	56	72 - 128

Sample: 172796 - MW-20

Analysis: BTEX Analytical Method: S 8021B QC Batch: QC11905 Date Analyzed: 6/11/01 Analyst: CG Preparation Method: E 5030B Prep Batch: PB10186 Date Prepared: 6/11/01

Param	Flag	Result	Units	Dilution	RDL
Benzene		< 0.005	mg/L	5	0.001
Toluene		< 0.005	mg/L	5	0.001
Ethylbenzene		< 0.005	mg/L	5	0.001
M,P,O-Xylene		< 0.005	m mg/L	5	0.001
Total BTEX		< 0.005	mg/L	5	0.001

_					Spike	Percent	Recovery
Surrogate	Flag	Result	Units	Dilution	$\mathbf{Amount}$	Recovery	Limits
TFT		0.376	mg/L	5	0.10	75	72 - 128
4-BFB		0.359	mg/L	5	0.10	72	72 - 128

Low surrogate due to matrix.

<sup>&</sup>quot;Surrogate recovery outside of normal limits due to matrix difficulties.

Surrogate recovery outside of normal limits due to matrix difficulties.

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Sample: 172797 - MW-21

Analysis: BTEX Analytical Method: S 8021B QC Batch: QC11905 Date Analyzed: 6/11/01 Analyst: CG Date Prepared: Preparation Method: E 5030B Prep Batch: PB10186 6/11/01

Param Dilution Flag Result Units RDL Benzene < 0.005 5 mg/L0.001 Toluene 5 < 0.005 mg/L 0.001 Ethylbenzene 5 < 0.005 mg/L0.001 M,P,O-Xylene 5 <0.005 mg/L 0.001 Total BTEX < 0.005 mg/L5 0.001

					Spike	Percent	Recovery
Surrogate	Flag	Result	Units	Dilution	Amount	Recovery	Limits
TFT	3	0.316	mg/L	5	0.10	63	72 - 128
4-BFB	4	0.297	mg/L	5	0.10	59	72 - 128

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Sample: 172798 - MW-22

Analysis: BTEX Analytical Method: S 8021B QC Batch: QC11905 Date Analyzed: 6/11/01 Analyst: CG Preparation Method: E 5030B Prep Batch: PB10186 Date Prepared: 6/11/01

Param	Flag	Result	Units	Dilution	$\mathrm{RDL}$
Benzene		< 0.005	mg/L	5	0.001
Toluene		< 0.005	m mg/L	5	0.001
Ethylbenzene		< 0.005	${ m mg/L}$	5	0.001
M,P,O-Xylene		, < 0.005	m mg/L	5	0.001
Total BTEX		< 0.005	mg/L	5 ' ·	0.001

·					Spike	Percent	Recovery
Surrogate	Flag	Result	Units	Dilution	${f Amount}$	Recovery	Limits
TFT		0.391	mg/L	5	0.10	78	72 - 128
4-BFB		0.374	m mg/L	5	0.10	74	72 - 128

Sample: 172799 - MW-24

Analysis: BTEX Analytical Method: QC Batch: S 8021B QC11905 Date Analyzed: 6/11/01 Analyst: CG Preparation Method: E 5030B Prep Batch: PB10186 Date Prepared: 6/11/01

Param	Flag	R.esult	Units	Dilution	$\mathtt{RDL}$
Benzene		< 0.001	mg/L	1	0.001
Toluene		< 0.001	mg/L	1	0.001
Ethylbenzene		< 0.001	${ m mg/L}$	1	0.001
M.P.O-Xylene		< 0.001	m mg/L	1	0.001
Total BTEX		< 0.001	mg/L	1	0.001

					Spike	Percent	Recovery
Surrogate	Flag	Result	Units	Dilution	Amount	Recovery	Limits
TFT		0.0977	ing/L	1	0.10	97	72 - 128
-BFB		9.0932	mg/L	l	0.10	93	72 - 128

Surrogate recovery outside of normal limits due to matrix difficulties.

<sup>\*</sup>Surrogate recovery outside of normal limits due to matrix difficulties.

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Sample: 172800 - MW-25

Analysis: BTEX Analytical Method: S 8021B QC Batch: QC11905 Date Analyzed: 6/11/01 Analyst: CG Preparation Method: E 5030B Prep Batch: PB10186 Date Prepared: 6/11/01

Param	Flag	Result	Units	Dilution	RDL
Benzene		<0.001	mg/L	1 `	0.001
Toluene		< 0.001	m mg/L	1	0.001
Ethylbenzene		< 0.001	mg/L	1	0.001
M,P,O-Xylene		< 0.001	mg/L	1	0.001
Total BTEX		< 0.001	$_{ m mg/L}$	1	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
TFT		0.072	mg/L	1	0.10	72	72 - 128
4-BFB	5	0.0692	$\mathrm{mg}/\mathrm{L}$	1	0.10	69	72 - 128

Sample: 172801 - MW-26

Analysis: BTEX Analytical Method: S 8021B QC Batch: QC11905 Date Analyzed: 6/11/01 Analyst: CG Preparation Method: E 5030B Prep Batch: PB10186 Date Prepared: 6/11/01

Param	Flag	Result	Units	Dilution	RDL
Benzene		< 0.001	mg/L	1	0.001
Toluene		< 0.001	$\mathrm{mg}/\mathrm{L}$	1 .	0.001
Ethylbenzene		< 0.001	$_{ m mg/L}$	1	0.001
M,P,O-Xylene	•	< 0.001	mg/L	1	0.001
Total BTEX		< 0.001	m mg/L	1	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
TFT		0.0889	mg/L	1	0.10	88	72 - 128
4-BFB		0.0854	$\mathrm{mg}/\mathrm{L}$	1	0.10	85	72 - 128

Sample: 172802 - MW-27

Analysis: BTEX Analytical Method: S 8021B QC Batch: QC11905 Date Analyzed: 6/11/01 Analyst: CG Preparation Method: E 5030B Prep Batch: PB10186 Date Prepared: 6/11/01

Param	Flag	Result	Units	Dilution		RDL
Benzene		< 0.005	mg/L	5	***************************************	0.001
Toluene	•	< 0.005	mg/L	5		0.001
Ethylbenzene		< 0.005	$\mathrm{mg/L}$	5		0.001
M.P.O-Xylene		< 0.005	mg/L	5		0.001
Total BTEX		< 0.005	mg/L	5		ე.೧01

Surrogate	Flag	Resuit	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
IFT		J. <sub>=</sub> 88	mg/L	Ş.	0.10	97	72 - 128
e-BFB		0.466	mg/L	5	0.10	93	72 - 128

Surrogate recovery outside of normal limits due to matrix difficulties.

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Sample: 172803 - MW-30

Analysis: BTEX Analytical Method: S 8021B QC Batch: QC11905 Date Analyzed: 6/11/01 Analyst: CG Preparation Method: E 5030B Prep Batch: PB10186 Date Prepared: 6/11/01

Param	Flag	Result	Units	Dilution	RDL
Benzene		< 0.005	mg/L	5	0.001
Toluene		< 0.005	m mg/L	5	0.001
Ethylbenzene		< 0.005	m mg/L	5	0.001
M,P,O-Xylene		< 0.005	mg/L	5	0.001
Total BTEX		< 0.005	mg/L	5	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
TFT		0.449	mg/L	5	0.10	89	72 - 128
4-BFB		0.428	m mg/L	5 -	0.10	85	72 - 128

Sample: 172804 - MW-29

Analysis: BTEX Analytical Method: S 8021B QC Batch: QC11905 Date Analyzed: 6/11/01 Analyst: CG Preparation Method: E 5030B Prep Batch: PB10186 Date Prepared: 6/11/01

Param	Flag	Result	Units	Dilution	$\mathtt{RDL}$
Benzene		< 0.005	mg/L	5	0.001
Toluene		< 0.005	mg/L	5	0.001
Ethylbenzene		< 0.005	mg/L	ō	0.001
M.P,O-Xylene		< 0.005	mg/L	5	0.001
Total BTEX		< 0.005	m mg/L	5 ,	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
TFT	6	0.26	mg/L	5	0.10	52	72 - 128
4-BFB	7	0.253	${ m mg/L}$	5	0.10	50	72 - 128

Sample: 172805 - MW-31

Analysis: BTEX Analytical Method: S 8021B QC Batch: QC11905 Date Analyzed: 6/11/01 Analyst: CG Preparation Method: E 5030B Prep Batch: PB10186 Date Prepared: 6/11/01

Param	Flag	Result	Units	Dilution	$\mathtt{RDL}$
Benzene		< 0.001	mg/L	1	0.001
Toluene		< 0.001	mg/L	1	0.001
Ethylbenzene		0.001	mg/L	1	0.001
M.P.O-Xylene		< 0.001	mg/L	1	0.001
Total BTEX		0.001	mg/L	1	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
TFT		0.0988	mg, L	<u>ī</u>	0.10	98	72 - 128
4-BFB		9.0949	mg/L	ī	0.10	94	72 - 128

<sup>&</sup>quot;Surrogate recovery outside of normal limits due to matrix difficulties.

Surrogate recovery outside of normal limits due to matrix difficulties.

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Sample: 1

172806 - MW-33

Analysis: BTEX Analytical Method: S 8021B QC Batch: QC11905 Date Analyzed: 6/11/01 Analyst: CG Preparation Method: E 5030B Prep Batch: PB10186 Date Prepared: 6/11/01

Param	Flag	Result	Units	Dilution	$\mathtt{RDL}$
Benzene		< 0.005	mg/L	5	0.001
Toluene		< 0.005	m mg/L	5	0.001
Ethylbenzene		< 0.005	${ m mg/L}$	5	0.001
M.P,O-Xylene		< 0.005	mg/L	5	0.001
Total BTEX		< 0.005	mg/L	5	0.001

					Spike	Percent	Recovery
Surrogate	Flag	Result	$_{ m Units}$	Dilution	Amount	Recovery	Limits
TFT		0.449	m mg/L	· 5	0.10	89	72 - 128
4-BFB		0.446	mg/L	5	0.10	89	72 - 128

Sample:

172807 - MW-34

Analysis: BTEX Analytical Method: S 8021B QC Batch: QC11905 Date Analyzed: 6/11/01 Analyst: CG Preparation Method: E 5030B Prep Batch: PB10186 Date Prepared: 6/11/01

Param	Flag	Result	Units	Dilution	RDL
Benzene		< 0.005	mg/L	5	0.001
Toluene		< 0.005	m mg/L	5	0.001
Ethylbenzene		<0.005	m mg/L	5	0.001
M,P,O-Xylene		< 0.005	mg/L	5	0.001
Total BTEX		< 0.005	m mg/L	5	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
TFT		0.457	mg/L	5	0.10	91	72 - 128
4-BFB		0.446	mg/L	5	0.10	89	72 - 128

Sample:

172808 - MW-35

Analysis: BTEX Analytical Method: S 8021B QC Batch: QC11905 Date Analyzed: 6/11/01 Analyst: CG Preparation Method: E 5030B Prep Batch: PB10186 Date Prepared: 6/11/01

Param	Flag	Result	Units	Dilution	RDL
Benzene		< 0.005	mg/L	5	0.001
Toluene		< 0.005	mg/L	5	0.001
Ethylbenzene		< 0.005	mg/L	5	0.001
M.P.O-Xylene		< 0.005	ing/L	5	0.001
Total BTEX		< 0.005	' mg/L	5	0.001

_			<b></b> .		Spike	Percent	Recovery
Surrogate	Flag	Result	Units	Dilution	Amount	Recovery	Limits
TFT		0.486	mg/L	5	0.10	97	72 - 128
4-BFB		0.47	mg/L	5	0.10	94	72 - 128

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Sample: 172809 - MW-36

Analysis: BTEX Analytical Method: S 8021B QC Batch: QC11905 Date Analyzed: 6/11/01 Analyst: CG Preparation Method: E 5030B Prep Batch: PB10186 Date Prepared: 6/11/01

Param	Flag	Result	Units	Dilution	$\mathtt{RDL}$
Benzene		<0.005	mg/L	5	0.001
Toluene		< 0.005	mg/L	5	0.001
Ethylbenzen <del>e</del>	ı	< 0.005	mg/L	5 .	0.001
M,P,O-Xylene		< 0.005	mg/L	5	0.001
Total BTEX	· ·	< 0.005	mg/L	5	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
TFT		0.49	mg/L	5	0.10	98	72 - 128
4-BFB		0.46	mg/L	5	0.10	92	72 - 128

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Sample: 172810 - EB-1

Analysis: BTEX Analytical Method: S 8021B QC Batch: QC11906 Date Analyzed: 6/11/01 Analyst: CG Preparation Method: E 5030B Prep Batch: PB10188 Date Prepared: 6/11/01

Param	Flag	Result	Units		Dilution	RDL
Benzene		< 0.001	mg/L		1	0.001
Toluene		< 0.001	$\mathrm{mg}/\mathrm{L}$		1	0.001
Ethylbenzene		< 0.001	${ m mg/L}$		1	0.001
M,P,O-Xylene		< 0.001	${ m mg/L}$		1	0.001
Total BTEX		< 0.001	$\mathtt{mg}/\mathtt{L}$	1	1	0.001

Surrogate	Flag	Result	Units .	Dilution	Spike Amount	Percent Recovery	Recovery Limits
TFT		0.0947	${ m mg/L}$	1	0.10	94	72 - 128
4-BFB		0.0904	mg/L	1	0.10	90	72 - 128

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#### Quality Control Report Method Blank

Method Blank

QCBatch: QC11811

Param	Flag	Results	Units	Reporting Limit
Benzene		< 0.001	mg/L	0.001
Toluene	•	< 0.001	${ m mg/L}$	0.001
Ethylbenzene		< 0.001	mg/L	0.001
M,P,O-Xylene		< 0.001	mg/L	0.001
Total BTEX		<0.001	mg/L	0.001

					Spike	Percent	Recovery
Surrogate	Flag	Result	Units	Dilution	Amount	Recovery	Limits
TFT		0.0936	mg/L	ĺ	0.10	· 93	72 - 128
4-BFB		0.0908	${ m mg/L}$	1	0.10	90	72 - 128

Method Blank

QCBatch:

QC11905

_				Reporting
Param	Flag	Results	Units	${f Limit}$
Benzene		< 0.001	mg/L	0.001
Toluene		< 0.001	${f mg/L}$	0.001
Ethylbenzene		< 0.001	${ m mg/L}$	0.001
M,P,O-Xylene		<0.001	$\mathtt{mg}/\mathtt{L}$	0.001
Total BTEX		< 0.001	mg/L	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
TFT		0.0877	mg/Ľ	1	0.10	87	72 - 128
4-BFB		0.0822	mg/L	1	0.10	82	72 - 128

Method Blank

QCBatch:

				Reporting
Param	Flag	Results	Units	Limit
MTBE		< 0.001	mg/L	0.001
Benzene		< 0.001	m mg/L	0.001
Toluene		< 0.001	mg/L	0.001
Ethyibenzene		< 0.001	mg/L	0.001
M.P.O-Xylene		< 0.001	mg/L	0.001
Total BTEX		< 9.001	mg/L	0.001

Z	~~1	D i-	, T. T	Dilanian	Spike	Percent	Recovery
TET TET	Elag	Result 0.0872	mg/L	Dilution	Amount 0.10	Recovery 37	Limits 72 - 128

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					Spike	Percent	Recovery
Surrogate	Flag	Result	Units	Dilution	Amount	Recovery	Limits
4-BFB		0.0836	mg/L	1 .	0.10	83	72 - 128

#### Quality Control Report Lab Control Spikes and Duplicate Spikes

Laboratory Control Spikes

QCBatch:

QC11811

					Spike					
	LCS	LCSD		,	Amount	Matrix			% Rec	RPD
Рагат	Result	Result	Units	Dil.	Added	Result	% Rec	RPD	Limit	Limit
MTBE	0.0944	0.0937	mg/L	1	0.10	< 0.001	94	0	80 - 120	20
Benzene	0.0862	0.0856	mg/L	1	0.10	< 0.001	86	0	80 - 120	20
Toluene	0.0851	0.0847	mg/L	1	0.10	< 0.001	85	0	80 - 120	20
Ethylbenzene	0.085	0.0846	mg/L	1	0.10	< 0.001	85	0	80 - 120	20
M,P,O-Xylene	0.262	0.261	mg/L	1	0.30	< 0.001	87	0	80 - 120	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dilution	Spike Amount	LCS % Rec	LCSD % Rec	Recovery Limits
TFŢ	0.0923	0.0897	mg/L	1	0.10	92	89	72 - 128
4-BFB	0.0908	0.0898	mg/L	1	0.10	90	89	72 - 128

Laboratory Control Spikes

QCBatch:

QC11905

					Spike					
	LCS	LCSD			Amount	Matrix			% Rec	RPD
Param	Result	Result	Units	Dil.	Added	Result	% Rec	RPD	Limit	Limit
MTBE	0.0901	0.0886	mg/L	1	0.10	< 0.001	90	1	80 - 120	20
Benzene	0.0937	0.0918	mg/L	1	0.10	< 0.001	93	2	80 - 120	20
Toluene	0.0929	0.0911	mg/L	1	0.10	< 0.001	92	. 1	80 - 120	20
Ethylbenzene	0.0931	0.0914	mg/L	1	0.10	< 0.001	93	1	80 - 120	20
M,P,O-Xylene	0.29	0.285	mg/L	1	0.30	< 0.001	96	1	80 - 120	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

	LCS	LCSD			Spike	LCS	LCSD	Recovery
Surrogate	Resuit	Result	Units	Dilution	Amount	% Rec	% Rec	Limits
TFT	0.0963	0.0939	mg/L	1	0.10	96	93	72 - 128
4BFB	0.0968	0.093	mg/L	1	0.10	96	93	72 - 128

Laboratory Control Spikes

QCBatch:

Param	LCS Resuit	LCSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
iTBE	0.101	9.103	mg/L		0.10	< 0.001	101	1	80 - 120	20
Benzene	⊍.095	0.0962	mg/L	:	0.10	< 0.001	95	1	80 - 120	20
Toluene	1.0944	0.096	mg/L	-	9.10	< 9.001	94	1	80 ~ 120	20
Ethyrbenzene	0.095	0.0966	mg/L	į	9.10	< 0.001	95	1	80 - 120	20
M.P.O-Rviene	月295	0,3	ing/L		0.30	< 0.001	98	1	80 - 120	20

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Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dilution	Spike Amount	LCS % Rec	LCSD % Rec	Recovery Limits
TFT	0.099	0.101	mg/L	1	0.10	99	101	72 - 128
4-BFB	0.1	0.101	mg/L	1	0.10	100	101	72 - 128

#### Quality Control Report Continuing Calibration Verification Standards

CCV (1)

QCBatch:

QC11811

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
MTBE		mg/L	0.10	0.0998	.: 99	85 - 115	6/9/01
Benzene	•	${ m mg/L}$	0.10	0.0898	. 89	85 <i>-</i> 115	6/9/01
Toluene		${ m mg/L}$	0.10	0.0888	88	85 - 115	6/9/01
Ethylbenzene		mg/L	0.10	8880.0	88	85 - 115	6/9/01
M,P,O-Xylene		${ m mg/L}$	0.30	0.274	91	85 - 115	6/9/01

CCV (2)

QCBatch:

QC11811

Param	Flag	Units	CCVs True Conc.	CCVs , Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
MTBE		mg/L	0.10	0.102	102	85 - 115	6/9/01
Benzene		$\mathrm{mg}/\mathrm{L}$	0.10	0.0937	93	85 - 115	6/9/01
Toluene		m mg/L	0.10	0.0924	92	85 - 115	6/9/01
Ethylbenzene		mg/L	0.10	0.0925	92	85 - 115	6/9/01
M,P,O-Xylene		mg/L	0.30	0.285	95	85 - 115	6/9/01

ICV (1)

QCBatch:

QC11811

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
MTBE		mg/L	0.10	0.102	102	85 - 115	6/9/01
Benzene		mg/L	0.10	0.0943	94	85 - 115	6/9/01
Toluene		mg/L	0.10	0.0935	93	85 - 115	6/9/01
Ethylbenzene		mg/L	0.10	. 0.0943	94	85 - 115	6/9/01
M.P.O-Xvlene		mg/L	0.30	0.292	97	85 - 115	6/9/01

CCV (1)

QCBatch:

Report Date: June 14, 2001

EOT 2044C

Order Number: A01060718 Bob Durham Page Number: 15 of 16 Monument NM

Da	F1	T**: .	CCVs True	CCVs Found	CCVs Percent	Percent Recovery	Date
Param	Flag	Units	Conc.	Conc.	Recovery	Limits	Analyzed
MTBE		m mg/L	0.10	0.0862	86	85 - 115	6/11/01
Benzene		mg/L	0.10	0.0914	91	85 - 115	6/11/01
Toluene		$_{ m mg/L}$	0.10	0.0903	90	85 <i>-</i> 115	6/11/01
Ethylbenzene		mg/L	0.10	0.0904	90	85 - 115	6/11/01
M,P,O-Xylene		mg/L	0.30	0.281	93	85 - 115	6/11/01

CCV (2)

QCBatch:

QC11905

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
MTBE		mg/L	0.10	0.0953	95	85 - 115	6/11/01
Benzene		m mg/L	0.10	0.0943	.: 94	<b>8</b> 5 - 115	6/11/01
Toluene		${ m mg/L}$	0.10	0.0935	93	85 - 115	6/11/01
Ethylbenzene		${ m mg/L}$	0.10	0.0939	93	85 - 115	6/11/01
M,P,O-Xylene		mg/L	0.30	0.291	97	85 - 115	6/11/01

ICV (1)

QCBatch:

QC11905

Param	Flag	Units	CCV5 True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
MTBE		mg/L	0.10	0.0927	92	<b>8</b> 5 - 115	6/11/01
Benzene		${ m mg/L}$	0.10	0.0948	94	85 - 115	6/11/01
Toluene		m mg/L	0.10	0.0944	94	85 - 115	6/11/01
Ethylbenzene		${ m mg/L}$	0.10	0.0949	94	85 - 115	6/11/01
M,P,O-Xylene		${ m mg/L}$	0.30	0.295	98	85 - 115	6/11/01

CCV (1)

QCBatch:

QC11906

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
MTBE	·	mg/L	0.10	0.0913	91	85 - 115	6/11/01
Benzene		mg/L	0.10	0.0855	85	85 - 115	6/11/01
Toluene		m mg/L	0.10	0.085	85	85 - 115	6/11/01
Ethylbenzene		mg/L	0.10	0.085	85	85 - 115	6/11/01
M.P.O-Xylene		mg/L	0.30	0.265	88	85 - 115	6/11/01

CCV (2)

QCBatcii:

QC11996

Param	rijag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
MIBE		:ng,·L	0.10	9.0588	38	S5 - 115	6/11/01

Continued ...

Report Date: June 14, 2001 EOT 2044C

Order Number: A01060718 Bob Durham Page Number: 16 of 16 Monument NM

Continued							
			CCVs	CCV€	CCVs	Percent	
			True	Found	Percent	Recovery	Date
Param	Flag	Units	Conc.	Conc.	Recovery	Limits	Analyzed
Benzene		mg/L	0.10	0.0891	89	85 - 115	6/11/01
Toluene		${ m mg/L}$	0.10	0.0881	88	85 - 115	6/11/01
Ethylbenzene		${ m mg/L}$	0.10	0.0877	87	85 - 115	6/11/01
M,P,O-Xylene		mg/L	0.30	0.272	90	85 - 115	6/11/01

ICV (1)

QCBatch:

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
MTBE		mg/L	0.10	0.091	91	85 - 115	6/11/01
Benzene		mg/L	0.10	0.0893	89	85 - 115	6/11/01
Toluene		mg/L	0.10	0.0888	<sup>:</sup> 88	85 - 115	6/11/01
Ethylbenzene		mg/L	0.10	0.089	89	85 - 115	6/11/01
M.P.O-Xylene		mg/L	0.30	0.2772	92	85 - 115	6/11/01

Pold 27.77 bisboosts most fresettib it emiT boucks andT CHAIN-OF-CUSTODY AND ANALYSIS REQUEST Check If Special Reporting TECTION BY 902 439 813 Hallssti.dca Lunus Are Neederf Circle or Specify Method No. Pesticides 8081A/608 **ANALYSIS REQUEST** AB Order 1D # HD/0607/ bCB.₹ 8085\608 GC/MS Semi. Vol. 82700/625 260 CC:W2 AN 85808/851 REMARKS BCI TCLP Pesticides TCLP Semi Volatiles TCLP Voistites Log-in Review Carrier # AUDIL LAB USE ONLY TCLP Metals Ag As Ba Cd Cr Pb Se Hg Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7 PAH 8270C Headspace 2001XT\1.B14 H9T Intact 81EX 80218<del>/606</del> Temp MTRE 8021B/602 1545 1337 7.75 1421 234 25 1306 1345 1700 14 M 1030 SAMPLING **TIME** 155 McCurchaon, Suite Hi Tel (915) 585-3443 Fax (915) 585-4944 1 (888) 588-3443 El Paso, Texas 79932 Phone #(505) 392-4882 141 10:00 **JTA d** 397 47B PRESERVATIVE NONE Time: BOE JURKHA 10-6-9 HOEN Submitted of submitted constitutes agreement to Terms and Conditions listed on reverse side of C.O.C. Saggler Signatury \*os\*H TraceAnalysis, Inc. Date: Date: Fax #(505) HNO<sup>3</sup> Project Name: HCI 808 SCUDGE MATRIX Receiyed at Laboratory by: AIA 7IOS # **ЯЗТАW** Received by: Received by: InvomA\emuloV CONTAINERS N 110805 1400 Time: Tinie: Time: FIELD CODE Monny WAKLAND ソイグのメ different from above) 185-7-9 MOSSUMENTY NAME (Street, City, Zip) P1 77 MW 17 00 7 7 6701 Abardoon Avenue, Ste Tol (806) 794 (296) Fax (806) 794 (299) 1 (400) 370 (296) THE THE Libbank, Yesan /9424 3 Ž <u>ገ</u> չ 7117 71.7 71 2 25.40 W roject #: エンフ elinguished by: / ompany Name: roject i ocation: ontact Person, elinquished by: efinguished by LAB USE) 44 73.786  $\mathcal{Z}$ ivoice to:  $\mathcal{Z}$ 7 ( AB

TraceAnalysis, Inc. 6701 Aberdaen Avenue, Ste. 9 Tel (806) 794 1296 Fax (806) 794 1298 1 (800) 378 1296 folibock, Texas 79424

Company Name: E 7.G I

155 McCulcheon, Suite H El Paso, Texas 79932 Tel (915) 585-3443 Fax (915) 585-4944 1 (888) 588-3443 Phone #: (505) 397- 4882

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST BICODOIAA LAB Order ID #\_

ANALYSIS REQUEST

(Circle or Specify Method No.)

	OS) 387-47B1			95 dq	Signapare:	221 251 251 251 251 251 251 251 251 251	5000 5000 5000 5000 5000 5000 5000 6000	BO21B/0 BO21B/0 B-0 B-0 B-0 B-0 B-0 B-0 B-0 B-0 B-0 B-	BTEX B BTEX B BTEX B BTEX B BTEN BTEN B BTEN	X 6-5 , cord X	, 0000	30.00	 1831		102	, (O)/	. 5411		2) 2) 1	Date: Time: IABIISE REMARKS:	,
X X CT	S NIM SYZYB		ar various and the same of	Project Name:	Idules	Liver				N N									, 	Received by:	
sss: (Street, City, Zio)	25 % W MAKLAND HODES NIM SYZYIN	antact Person: KEIV DATTON	ivoice to: f different from above) $\not\equiv \sigma / f$	Tolect II FOT & OYYC	roject Location:	IN CHLIMENT NIN	•	I AB # FIELD CODE	ONLY )	123 W/ 1M45 21		·.	 0/ mu 26	03 pt 27		04 mm 29	05 MW 31	06 mw 33	PS 24 CO	lelinguished by: Date: Time:	

Check II Special Reporting Limits Are Needed

Log-in Review

400:01 10-L-9 Time:

Date:

Received at Laboratory by:

Time:

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Headspace Temp\_\_ Coming & MMHD ON 2 123CF 1217

рюн いくいりつ brebnais most inesettib it amiT bruosA nsuT CHAIN-OF-CUSTODY AND ANALYSIS REQUEST 7 Pag 1101504 601 Check If Special Reporting 18 FELLINGENT Hq. 22T. 008 Acroso7 Limits Are Needed (Circle or Specify Method No.) 306\41808 asbicitas<sup>2</sup> **ANALYSIS REQUEST** GC/MS Semi. Vol. 8270C/625 CC:W2 AP!' 8580B/654 REMARKS BCI LAB Order ID #\_ TCLP Pesticides TCLP Semi Volatiles (14/1/1/1/ # 12 July 1/4/1 2 Log-in Review LAB USE ONLY TOLP Metals Ag As Ba Cd.Cr Pb Se Hg N // X Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7 PAH 8270C Headspace 2001XT\1.819 H9T Intact BTEX 80218/602 Temp. MTBE 8021B/602 201 SAMPLING TIME 155 McCutcheon, Suite H Tel (915) 585-3443 Fax (915) 585-4044 1 (888) 589-3443 El Paso, Texas 79932 000 Phone #(505) 397-4812 3974720 JURHAM PRESERVATIVE METHOD NONE Time: Time: 101.9 agas ICE HOSN Sampler Signature: Adding lighted on remores side off. O.C. 'CS<sup>2</sup>H Date: Fax # 5act Date: fraceAnalysis, Inc. Project Name: €ОМН HCI MATRIX SLUDGE Received at Laboratory by AIA ROIL 1/1 **RETAW** Received by Received by InnomA\amuio\ # CONTAINERS 500 Time: Time: Time: (Street, City, Zip) FIELD CODE 11/104 different from above)  $\mathcal{E}_{OII}$ 20440 0 MW 55 Date Date: MONUMENT 78 mm EB-) ENGI 6701 Aberdeen Avenue, Ste Tel (806) 794-1296 Fux (806) 794-1298 1 (800) 378-1296 Lubbach, Texas 79424 F-10 B-17 oject #: FOT oject I ocation: ompany Name: of SS ontact Persons slinquighed by: dinquished by: stinguished by: 7.1808 AU USE 9 OMLY LAB 4



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

Report Date: 10/12/01

Project ID: Bob Durham EOT 2044C

Report#/Lab ID#: 120026

Time: 13:24

Date Received: 10/02/2001 Date Sampled: 09/26/2001

Sample Matrix: water Sample Name: MW 3

Environmental Tech Group Ken Dutton Client: Attn:

Address: 2540 W. Marland

Hobbs

Nm 88240

505 397-4882

Phone:

FAX: 505 397-4701

### REPORT OF ANALYSIS

KEPOKI OF ANALYSIS							OUALITY ASSURANCE DATA!	ASSUR	ANCE DA	TAI	
Parameter	Result	Units	RQL 5	Blank	Date	Method 6	Data Qual 7 Prec. 2 Recov.3   CCV4   LCS4	Prec. 2	Recov.3	CCV4	1.CS4
Volatile organics-8260b/BTEX					10/60/01	8260b	1	1	;		1
Benzene	117	ug/L		⊽	10/60/01	8260h	2 1 1	-	104	8 7171	106.0
Ethylbenzene	15.7	ng/L		7	10/60/01	8260h		- «	5 8	0.4.0	07.7
n,p-Xylenes	16	µg/L	,4	7	10/60/01	8260b	;	8.0	94.4	95	96.1
o-Xylene	⊽	µg/L		⊽	10/60/01	8260b	;	8.1	99.4	97.6	9.66
Louene	7	Hg/L		⊽	10/60/01	8260b	;		8.66	100.4	102.8
								_		-	-

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Richard Laster

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



4221 Freidrich Lane, Suite 190, Austin, TX 7 2209 N. Padre Island Dr., Corpus Christi, TX (512) 444-5896 • FAX (512) 447-4766

Environmental Tech Group Ken Dutton Client: Attn:

Project ID: Bob Durham EOT 2044C Sample Name: MW 3

Report#/Lab ID#: 120026 Sample Matrix: water

## REPORT OF SURROGATE RECOVERY

Surrogate Companied				
on board	Method	Recovery	Recovery Limit	Data Ouglifie
1,4-Uichforoethane-d4	8760h	213	001.08	
Tolings do		7:10	071-00	:
י סותכווב-מס	8260h	97.5	011 00	•
	-	?	011-00	111

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

Report Date: 10/12/01



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

Report Date: 10/12/01

Project ID: Bob Durham EOT 2044C

Report#/Lab ID#: 120027

Time: 09:10 Time: 13:24

Date Received: 10/02/2001 Date Sampled: 09/26/2001

Sample Matrix: water Sample Name: MW 9

Environmental Tech Group Ken Dutton Client: Atln:

Address: 2540 W. Marland

Hobbs

FAX: 505 397-4701

505 397-4882

Phone:

Nm 88240

REPORT OF ANALYSIS

ALL CHANGE IN THE LINE							OUALITY ASSURANCE DATA!	ASSUR	ANCE DA	TAI	
Parameter	Result	Units	ROL 5	Blank	Date	Method 6	Data Onal 7 Proc 2 Recov 3 Cry4   1 Cc4	Prac 2	Recov 3	P(12)	000
Volatile organics-8260b/BTEX					10,00,01				***************************************	1	וני
			;		10/80/01	8760b	* * * *	-	;	-	;
denzene	2)(5	1/2011	-	,	.0,00,0						
Filialbenzens	1	7 (8)		⊽	10/80/01	82606	:		104	104.8	106.9
	⊽	hg/L		⊽	10/08/01	8260h		80	90	0.6.7	60
m,p-Xylenes	7		-					0.0	2	70.7	7.
Valence	7	HB/L		7	10/80/01	8260b	:	0.8	94.4	95	96.1
o A seac	⊽	hg/L	_	v	10/80/01	8260b	1	~	700	7 40	7 00
Tolucite	7	1/011	_	-	. 0,00,0	3 6		1.0	t. ( )	0.,0	77.0
The state of the s	1,	1,8/L	-	<b>!</b>	10/80/01	8260b	-		8.66	100.4	102.8

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Richard Party Richard Laster

of the relative percent (%) difference botween duplicate measurements. 3. Recovery (Recov.) is the percent (%) of analyte 1. Quality assurance data is for the sample batch which included this sample. 2. Precision (PREC) is the absolute value dilutions. 7. Data Qualifiers are I = analyte potentially present between the PQL and the MDL. B = Analyte detected in 4. Calibration Verification (CCV) and Laboratory Control Sample (LCS) results are typically denote USEPA procedures. Less than ("<") values reflect nominal quantitation limits adjusted for any required recovery exceeds advisory limit. S3 =MS and/or MSD and PDS recoveries exceed advisory limits. P = Precision higher 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 associated method blank(s). SI =MS and/or MSD recovery exceed advisory limits. S2 =Post digestim spike (PDS) than advisory limit. M =Matrix interference. recovered from a spiked sample.



4221 Freidrich Lane, Suite 190, Austin, TX 44 & 2209 N. Padre Island Dr., Corpus Christi, TX 7840408 (512) 444-5896 • FAX (512) 447-4766

Client: Environmental Tech Group
Attn: Ken Dutton

Project ID: Bob Dutham EOT 2044C Sample Name: MW 9

Report#/Lab ID#; 120027 Sample Matrix: water

# REPORT OF SURROGATE RECOVERY

Carrie				
outogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
,2-Dichloroethane-d4	8260b	105	80.120	
Coluene-d8	87.KOb	0 00	071-00	
	00070	600.3	017-00	

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



44.8 2209 N. Padre Island Dr., Corpus Christi, TX 78408 FAX (512) 447-4766 4221 Freidrich Lane, Suite 190, Austin, TX

Report Date: 10/12/01

Project ID: Bob Durham EOT 2044C

Sample Name: MW 10 Sample Matrix: water

Report#/Lab ID#: 120028

Time: 13:24 Time:

Date Received: 10/02/2001 Date Sampled: 09/26/2001

(512) 444-5896

Environmental Tech Group Ken Dutton Client: Attn:

Address: 2540 W. Marland

Hobbs

Nm 88240

Phone:

FAX: 505 397-4701 505 397-4882

REPORT OF ANALYSIS

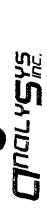
KEPURT OF ANALYSIS							OUALITY ASSURANCE DATA	ASSUR/	NCE DA	TAI	
Parameter	Result Units	Units	RQL 5	Bíank	Date	Method 6	Data Oual 7 Prec, 2 Recov. 3 CCV4 LCS4	Prec. 2	Recov.3	CCV4	LCS4
Volatile organics-8260h/BTEX					10/80/01	8260b	· !	}		;	
Benzene	164	µg/L		⊽	10/80/01	8260b	4.00	1:1	104	104.8	6.901
Eulyloenzene	⊽	µg/L		7	10/80/01	8260b		0.8	96	6.7	1.76
m,p-Aylenes	v	T/Bri		⊽	10/08/01	8260b	,	8.0	94.4	95	96.1
0-Aylene	⊽	hg/L		₹	10/80/01	8260b	;	8.1	99.4	97.6	9.66
i oracije	7	1/8μ		7	10/08/01	8260b	1		8.66	100.4	102.8
								•			

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

Richard

Richard Laster

of the relative percent (%) difference between duplicate measurements. 3. Recovery (Recov.) is the percent (%) of analyte 1. Quality assurance data is for the sample batch which included this sample. 2. Precision (PREC) is the absolute value 4. Calibration Verification (CCV) and Laboratory Control Sample (LCS) results are dibutions. 7. Data Qualifiers are J = analyte potentially present between the PQL and the MDL. B = Analyte detected in typically denote USEPA procedures. Less than ("<") values reflect nominal quantitation limits adjusted for any required recovery exceeds advisory limit. S3 =MS and/or MSD and PDS recoveries exceed advisory limits. I' =Precision higher 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 associated method blank(s). \$1 =MS and/or MSD recovery exceed advisory limits. \$2 =Post digestion spike (PDS) than advisory limit. M = Matrix interference. recovered from a spiked sample.



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

Client: Environmental Tech Group
Attn: Ken Dutton

Project ID: Bob Durham EOT 2044C Sample Name: MW 10

Report#/Lab ID#: 120028 Sample Matrix: water

## REPORT OF SURROGATE RECOVERY

	A CONTRACTOR OF THE PARTY OF TH			
ourrogate Compound	Method	Recovery	Recovery Limit	Data Oualifiers
				2
1,2-Unionochane-d4	8260h	801	90.130	
9	!!!!		011	
l olucine-d8	8260b	80 5	88.110	
		?	211	

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

Exceptions Report:

Attn: Ken Dutton Report #/Lab ID#: 120028 Matrix: water Project ID: Bob Dutham EOT 2044C Client: Environmental Tech Group Sample Name: MW 10

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 sumple collection and sample receipt times) and samples where the temperature could not be measurement of 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

verified as to the presence and relative ratio of target ions (eg. the material causing the I flag "hit" in such situations may be nothing more than background ion-fragment noise.) background levels/blanks and other potential sources of sumpling 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 A I flag data qualifier indicates (as required under TNRCC-TRRP reporting requirements) that the raw calculated analyte concentration in the sample (uncorrected for

Comments pertaining to Data Qualifiers and QC data:

and Course:	Qualif Comment	J See J-flag discussion above.	J See J-Ilag discussion above.			
77777	Quali	ſ	ſ			
2 2 2 2 2	Parameter	Ethylbenzene	m.p-Xylenes	Notes:		والمراقب وال

Page#: 3



4221 Freidrich Lane, Suite 190, Austin, TX 44 & 2209 N. Padre Island Dr., Corpus Christi, TX 78408 (512) 444-5896 • FAX (512) 447-4766

Report Date: 10/12/01 Time: 13:24 Time: Project ID: Bob Durham EOT 2044C Date Received: 10/02/2001 Date Sampled: 09/26/2001 Report#/Lab ID#: 120029 Sample Name: MW 11 Sample Matrix: water Nm 88240 FAX: 505 397-4701 Environmental Tech Group Address: 2540 W. Marland 505 397-4882 Ken Dutton Hobbs Phone: Client: Attn:

REPORT OF ANALYSIS

		1 0:04	ׅ֝֝֝֟֝֝֝֝֝֟֝֝ <del>֚</del>	;		116.9		//6	מעו		9.66	_ x
ATA 1	- 414	CCV4				104.8		70	9	,	97.6	100.4
CATAN		Roch: 3		***		201		2	944		99.4	8.66
ASSIID		Proc 2	.,,,	,		1.1	0		8.0		×.	
OHALITY ASSURANCE DATA	X 2000	Data Onal 7 Pres 2 Recov 3 Cry4 1 re4		:			_	-	-		1	;
		Method o		8260b		8260b	8260h	20010	8260b	007C0	20078	8260b
		Date	.000	10/80/01		10/80/01	10/08/01		10/80/01	10/08/01	70/00/01	10/80/01
	10.0	Diank	-			⊽	V		⊽	V	;	⊽
	5 100	252		1	-	-,						<b>-</b>
	Uhite	CILLIS			1/2/1	18/7 1	hg/L	l/win	7 /3/1	ng/L	75.	Hg/L
	Recuir	117001			282	70.7	⊽	₹	7	⊽	7	7
D. C.	rarameter	1/01-130	Volume organics-8260b/BTEX	Daylor	Delizelle	Ethylbenzene		m,p-Ayrenes	0-Xvlene		Toluche	

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Respectfully Submitted,

Richard Parter

Richard Laster

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

Report Date: 10/12/01

4221 Freidrich Lane, Suite 190, Austin, TX 4 & 2209 N. Padre Island Dr., Corpus Christi, TX 7840408 (512) 444-5896 FAX (512) 447-4766

Environmental Tech Group Client: Attn:

Ken Dutton

Project ID: Bob Durham EOT 2044C Sample Name: MW 11

Report#/Lab ID#: 120029 Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Concentration	***************************************			
Sail ogaic Compound	Method	Recovery	Recovery Limit	Data Onalifiere
		,		The Committee of the Co
1,2-Dictionelliane-64	8260h		001 00	
The fire and the second	) ) !	***	077-00	***
oncelle-up	8260b	9.68	88-110	!
			217	!

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

Report Date: 10/12/01

### Exceptions Report:

Attn: Ken Dutton Report #/Lab ID#: 120029 Matrix: water Project ID: Bob Durham EOT 2044C Client: Environmental Tech Group Sample Name: MW 11

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 sumpling 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

J flag Discussion

Detection Linit. 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.) background levels/blanks and other potential sources of sampling and analytical contamination), though less than the Reported Quantitation Limit (RQL) is greater than the A J flag data qualifier indicates (as required under TNRCC-TRRP reporting requirements) that the raw calculated analyte concentration in the sample (uncorrected for

Comments pertaining to Data Qualifiers and QC data:

Ригате(ег	Qualif	Qualif Comment
Ediylbenzene	-	See J-flag discussion above.
191,p-Xylenes	5	See J-flag discussion above.
Notes:		

Page#: 3



4221 Freidrich Lane, Suite 190, Austin, TX 78/44 & 2209 N. Padre Island Dr., Corpus Christi, TX 78408 (512) 444-5896 • FAX (512) 447-4766

Report Date: 10/12/01

Project ID: Bob Durham EOT 2044C

Sample Name: MW 13 Sample Matrix: water

Report#/Lab ID#: 120030

Time: 13:24 Time: 11:47

Date Received: 10/02/2001 Date Sampled: 09/26/2001

Nm 88240 Environmental Tech Group Address: 2540 W. Marland Ken Dutton Hobbs Client: Alln:

Phone: 505 397-4882 FAX: 505 397-4701

### REPORT OF ANALYSIS

METUAL OF ANALYSIS							OUALITY ASSURANCE DATA!	ASSURA	ANCE DA	LTA1	
Parameter	Result	Units	ROL <sup>5</sup>	Blank	Date	Method 6	Data Onal 7 Proc 2   Recev 3   CCV4   1 C'S4	Proc 2	Recor 3	\$0.JJ	1 6.00
Volatile organics-8260b/BTEX					10/08/01	8260h				3	3
Bansana					,						 !
Delicate	399	µg/L		⊽	10/80/01	8260b	-		104	104.8	106.9
Ediyibenzene	134	µg/L	_	⊽	10/80/01	8260b		~	8	0,47	07.7
m,p-Xylenes	127	//611	-	ī	10,00,01	10760		9 6	? ;	7	71.1
O-Xulene	ì ·	) :		7	10/09/01	g007x	:	×.	94.4	95	1.96
Column	⊽	hg/L	<del>-</del>	⊽	10/80/01	8260b	i	∞:	99.4	97.6	966
1 Ottene	⊽	Hg/L		₹.	10/80/01	8260b	-		8.66	100	102.8
			T				_				)

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Respectfully Submitted, Rickney Latter

Richard Laster

of the relative percent (%) difference between duplicate measurements. 3. Recovery (Recov.) is the percent (%) of analyte 1. Quality assurance data is for the sample batch which included this sample. 2. Precision (PREC) is the absolute value 4. Calibration Verification (CCV) and Laboratory Control Sample (LCS) results are dilutions. 7. Data Qualifiers are J = analyte potentially present between the PQL and the MDJ. B = Analyte detected in lypically denote USEPA procedures. Less than ("<") values reflect nominal quantitation limits adjusted for any required recovery exceeds advisory limit. S3 =MS and/or MSD and PDS recoveries exceed advisory limits. P =Precision higher 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 associated method blank(s). S1 =MS and/or MSD recovery exceed advisory limits. S2 =Post digention spike (PDS) than advisory limit. M ≈Matrix interference. recovered from a spiked sample.

That YSYS

Environmental Tech Group Ken Dutton Client: Attn:

Project ID: Bob Durham EOT 2044C Sample Name: MW 13

Report#/Lab ID#: 120030 Sample Matrix: water

## REPORT OF SURROGATE RECOVERY

name-d4 80-120 8
--

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

Report Date: 10/12/01

#### Exceptions Report:

Attn: Ken Dutton Report #/Lab ID#: 120030 Matrix: water Project ID: Bob Durham EOT 2044C Client: Environmental Tech Group 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 measurement 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 fing Discussion

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.) A J flag data qualifier indicates (as required under TNRCC-TRRP reporting requirements) that the raw calculated analyte concentration in the sample (uncorrected for

Comments pertaining to Data Qualifiers and QC data:

 Qualif Comment	J See J-flag discussion above.		The second secon	
Qualif				
Parameter	Toluene	Notes:	The second se	

Page#: 3



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

Report Date: 10/12/01 Time: 11:40 Time: 13:24 Project ID: Bob Durham EOT 2044C Date Received: 10/02/2001 Date Sampled: 09/26/2001 Report#/Lab ID#: 120031 Sample Name: MW 14 Sample Matrix: water Nm 88240 FAX: 505 397-4701 Environmental Tech Group Address: 2540 W. Marfand 505 397-4882 Ken Dutton Hobbs Phone: Client:

REPORT OF ANALYSIS

							OUALITY	ASSUR	C SUNT	TAI	
Farameter	Descript	11	2								
	Result	Onics	, T	Blank	Date	Method 6	Data Onal 7 Prec 2 Recov 3 Crv4 1 Ce4	Prec 2	Recov 3	CCV4	1 600
Volutile Organics-8260h/RTFX										5	2
	į		i		10/08/01	8260b					
Benzene									,		ì
124218	7	hg/L	_	V	10/80/01	8260h	_	-	101	1010	0 701
J canyinenzene	``	721	-	-		)	7		5	0.101	100.7
Veilland V	;	7		⊽	10/80/01	8260b	:	×	90	067	2 00
u,p-Ayrenes	- V	1/1010	_	-				2	?	20.	1.1
O. Xuleno	;	i io	<b>-</b>	7	10/99/01	8260b	_	8.0	94.4	95	1 96
	マ	T/Z/I	_	V	10/08/01	TUZUO				,	
Toluene	. ,	5		,	10/00/01	97070	•	×.	99.4	97.6	9.66
	7	hg/L		⊽	10/80/01	8260b	i	-	8 00	1007	0 001
		,	-				-	•	,	1.00	0,77

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Richard Laster

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**בווער אא** 

Client: Environmental Tech Group
Attn: Ken Dutton

Project ID: Bob Durham EOT 2044C Sample Name: MW 14

Report#/Lab ID#: 120031 Sample Matrix: water

& 7840408

## REPORT OF SURROGATE RECOVERY

Currocato Composito					
Sarragar Compound	Method	Recovery	Recovery Limit	Data Qualifiers	
1,4-Dichloroethane-d4	8260b	83.5	80-120		
Tolucne-d8	8260h	900	071 00		
		20.0	011-00		

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

### Exceptions Report:

Attn: Ken Dutton Report #/Lab ID#: 120031 Matrix: water Project ID: Bob Durham EOT 2044C Client: Environmental Tech Group 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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J Nag Discussion

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Comments pertaining to Data Qualifiers and QC data:

Qualif Comment	J See J-flag discussion above.	See J-flag discussion above.		
Qualif	7			
Parameter	Benzene	m.p-Xylenes	Notes:	

Page#: 3



F 44 & 2209 N. Padre Island Dr., Corpus Christi, TX 78408 4221 Freidrich Lane, Suite 190, Austin, TX FAX (512) 447-4766 (512) 444-5896

Report Date: 10/12/01 Time: 13:24 Time: 12:08 Project ID: Bob Durham EOT 2044C Date Received: 10/02/2001 Date Sampled: 09/26/2001 Report#/Lab ID#: 120032 Sample Name: MW 15 Sample Matrix: water Nn 88240 FAX: 505 397-4701 Environmental Tech Group Address: 2540 W. Marland 505 397-4882 Ken Dutton Hobbs Phone: Client: Attn:

REPORT OF ANALYSIS

							CUALLIY ASSURANCE DATA	AUGULY.	ANCE OF	LIA 1	
Farancier	Result	Units	ROT 5	Rigar	Dofe	Mothod	Date O. 17   D   1   2   2   2   2   2	10	1	9137	, C
Volatile grounies 90401. Dans					2007	DOTTO		rrec."	recov.		
Same of Sames-62000/BIEA	* ) *		;		10/80/01	8260b			-	* * * *	:
Denzene	7	-	]								
Edvelhamon	7.7	µg/L	_	7	10/08/01	8260b	!		<u> </u>	104.8	1060
l caryiocitzene	⊽	1/00	_	7	10/00/01	30708			? ?	2	;
m.p-Xylenes	, ,	) , D		Į.	10/00/01	97979	:	8.5	9,6	6.3	97.7
0-Xvlene	⊽ .	µg/L		7	10/80/01	8260b	}	0.8	4.4	95	96.1
Tolima	⊽ `	hg/L	<del></del>	7	10/80/01	8260b	Ì	8:	99.4	97.6	9.66
	⊽	μg/L	_	₹	10/80/01	8260b	:		8.66	100.4	102.8

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Richard Parter

Richard Laster

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Report Date: 10/12/01

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

& 7840408

Environmental Tech Group Ken Dutton Client: Attn:

Project ID: Bob Durham EOT 2044C Sample Name: MW 15

Report#/Lab ID#: 120032 Sample Matrix: water

REPORT OF SURROGATE RECOVERY

urrogale Compound	Method	Recovery	Recovery Limit	Data Oualifiers
2-Dichloroethane-d4	8260b	8 86	80.120	
oluene-d8	02K0L	200	071.00	
	00070	7	88-110	1

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



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

Report Date: 10/12/01

Nm 88240 Environmental Tech Group Address: 2540 W. Marland Ken Dutton Hobbs Client: Attn:

505 397-4882 Phone:

FAX: 505 397-4701

Sample Name: MW 17 Sample Matrix: water

Project ID: Bob Durham EOT 2044C

Report#/Lab ID#: 120033

Date Received: 10/02/2001

Time: 13:24 Time: 12:28 Date Sampled: 09/26/2001 LCS4

6.901

97.7 96.1 102.8

100.4

8.66

9.66

REPORT OF ANALYSIS

SIGITURE OF THE PROPERTY OF TH							OUALITY	ASSIIR	NORDA	TAI	
Parameter	Result	Units	ROL 5	Rlank	Date	Mothod 6	D	,			
Volatile Granice, 876(0), (BTICV				1	T T T T T T T T T T T T T T T T T T T	incillou	חמום לחשו	rrec.	recov.	CC	_
VTI O (00070 - compage	- 4 -		}		10/80/01	8260b		;		1	1
Denzene	-,										
Elbyflygnam	ī	HB/L	<b></b>	₹	10/80/01	8260b	;	_	104	104.8	1
רתו לוסרווקרוונ	~	J/gri		V	10/80/01	80808		0		1 1	
m.pXylenes	,			,	70/00/07	970079	,	œ.	<del>2</del>	7.96	
0. X vlene	7	T/8n		⊽	10/80/01	8260b	<b>*</b>	0.8	94.4	95	
College	√	hg/L		7	10/08/01	8260b	!	8	99.4	97.6	
	⊽	Hg/L	·	~	10/80/01	8260b	į	·	8 00	7007	

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Rehard

Richard Laster

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& \$40408

Client: Environmental Tech Group
Attn: Ken Dutton

Project ID: Bob Durham EOT 2044C Sample Name: MW 17

Report#/Lab 1D#: 120033
Sample Matrix: water

## REPORT OF SURROGATE RECOVERY

Surrogoto Change				
Daringaic Compound	Method	Recovery	Recovery Limit	Date Ouglifices
T District			THE PROPERTY AND INC.	משוש לחשווונו א
1,4-Dichloroethane-d4	8260b	000	80-120	
The branch of	,	!	00-1-00	,,,,
TOTACITY-US	8260b	90.3	88-110	į

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



2209 N. Padre Island Dr., Corpus Christi, TX 78408 4221 Freidrich Lane, Suite 190, Austin, TX

Report Date: 10/12/01

FAX (512) 447-4766 (512) 444-5896 •

> Environmental Tech Group Ken Dutton Client: Atín:

Address: 2540 W. Marland

Hobbs

505 397-4882 Phone:

FAX: 505 397-4701

Nm 88240

Sample Name: MW 18 Sample Matrix: water

Project ID: Bob Durham EOT 2044C

Report#/Lab ID#: 120034

Time: 13:24 Date Received: 10/02/2001

Time: 12:40 Date Sampled: 09/26/2001

## REPORT OF ANALYSIS

MELONI OF ARALYSIS							<b>OUALITY ASSURANCE DATA</b> <sup>1</sup>	ASSUR/	NCE DA	TAI		
Faraneter	Result	Units	RQL 5	Blank	Date	Method 6	Data Qual 7 Prec. 2 Recov. 3 CCV4 LCS4	Prec.2	Recov.3	CCV4	LCS4	
Volatile organics-8260b/BTEX					10/80/01	8260 <b>b</b>		1		}	1	
Вепдене	7	hg/L	-	[>	10/80/01	8260b	Tate	1.1	104	104.8	6.901	
Ellylbenzenc	⊽	hg/L		7	10/80/01	8260b	4	0.8	96	96.7	7.76	
n,p-Xylenes	⊽	ng∕L	_	⊽	10/80/01	8260b		8.0	94.4	95	96.1	
U-Ayiche Telmas	₹	HB/L	<b>-</b>	⊽	10/80/01	8260b	-	8.1	99.4	97.6	9.66	
Toriene	7	hg/L		7	10/08/01	8260b	( { t		8.66	100.4	102.8	
					-				-	-	-	

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Richard Laster لمملاعة

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Report Date: 10/12/01



& 840408



Client: Environmental Tech Group

Attn: Ken Dutton

Project ID: Bob Durham EOT 2044C Sample Name: MW 18

Report#/Lab 1D#: 120034 Sample Matrix: water

## REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	601	80-120	ī
Toluene-d8	8260b	90.1	88-110	!

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



41.8 2209 N. Padre Island Dr., Corpus Christi, TX 78408 FAX (512) 447-4766 4221 Freidrich Lane, Suite 190, Austin, TX (512) 444-5896

> Environmental Tech Group Ken Dutton Client: Alln:

Address: 2540 W. Marland

Hobbs

Nm 88240

505 397-4882 Phone:

FAX: 505 397-4701

Report Date: 10/12/01 Project ID: Bob Durham EOT 2044C Report#/Lab ID#: 120035

Sample Name: MW 19 Sample Matrix: water

Time: 13:24 Date Received: 10/02/2001

Time: 09:00 Date Sampled: 09/26/2001

MELONI OF ANALYSIS							OUALITY	ASSUR/	ANCE DA	TAI
Parameter	Result	Units	RQLS	Blank	Date	Method 6	Data Qual 7 Prec 2 Recov. 3 CCV4	Prec 2	Recov.3	ر در ۲۹
Volatile organics-8260b/BTEX			-		10/10/01	8260b	1	:		
Benzene	<b>!</b> >	hg/L	-	<b> </b>	10/10/01	8260b	***	1.3	91.7	114.6
cuiyioenzene	7	µg/L		~	10/10/01	8260b	1	2.6	8.66	102.3
in,p-Ayiches	₹	T/BH	-	7	10/10/01	8260b	. :	3.3	98.2	101.7
Totame	7	hg/L		7	10/10/01	8260b	1	2.1	99.4	101.4
	⊽	hg/L	~		10/10/01	8260b	1 1	0	88.2	1124

100.8 101.5

102 91.8

94.7

114.6 102.3 101.7 101.4 112.4

LCS4

CCV4

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Richard Later

Richard Laster

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Report Date: 10/12/01

4221 Freidrich Lane, Suite 190, Austin, TX (8209 N. Padre Island Dr., Corpus Christi, TX 7840408 (512) 444-5896 FAX (512) 447-4766

Environmental Tech Group Ken Dutton

Client:

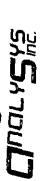
Attn:

Project ID: Bob Durham EOT 2044C Sample Name: MW 19

Report#/Lab ID#: 120035 Sample Matrix: water

## REPORT OF SURROGATE RECOVERY

Surrogate Compound Meth	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	83.4	80-120	
Foluene-d8	8260b	94.8	. 011-88	!



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

Report Date: 10/12/01

Time: 13:24 Time: 14:30

Date Sampled: 09/26/2001

Project ID: Bob Durham EOT 2044C Date Received: 10/02/2001 Report#/Lab ID#: 120036 Sample Name: MW 20 Sample Matrix: water Nm 88240 Environmental Tech Group Address: 2540 W. Marland 505 397-4882 Ken Dutton Hobbs Phone: Client: Attn:

REPORT OF ANALYSIS

FAX: 505 397-4701

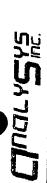
ALL OF ARALISIS							OHALITY ASSIDANCE DATA	AGGINDA	AC RONA	TA 1	
Parameter	Doenli	112.60	5 100					2000	יים איזי	44	
Wolatile with and the money		OHIES	י אַלאַר	Diank	Date	Method "	Data Qual / Prec. 2 Recov. 3 CCV4 L.CS4	Prec. 2	Recov.3	CCV4	LCS4
Volatific Organics-8 2000/B1EX	;		-		10/10/01	8260b			;		
Benzene	7	1/1	-								
Rihulhenzana	7	hg/L	<b>-</b>	⊽	10/10/01	8260b	1		7.16	114.6	94.7
	⊽	µg/L	_	⊽	10/10/01	82504		7 6	0 00	, , ,	
(m,p-Xylenes	7	,,,,,,,	_	! •		20070	;	D.	0.77	102.3	0.101
o-Xvlene	7	7/8rd	-	ν̈́	10/10/01	8260b	3 2	3.3	98.2	101.7	100.8
Taliana	v	HB/F			10/10/01	8260b	-	2.1	99.4	101.4	102
·	v	µg/L		7	10/10/01	8260b	:		688		
								>	1.00	1.1.1	0

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actual faster Richard Laster

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4 & 840408



Environmental Tech Group Client: Atin:

Ken Dutton

Project ID: Bob Durham EOT 2044C Sample Name: MW 20

Report#/Lab ID#: 120036 Sample Matrix: water

# REPORT OF SURROGATE RECOVERY

Commence				
out ogate Compound	Method	Recovery	Recovery Limit	Data Onalifiane
			TANCOLCE J TAILURE	הסום לתמווונוס
1,4-Dichloroethane-d4	8260b	88	80-120	
Tollings Jo	1	}		
ייייייייייייייייייייייייייייייייייייייי	8260b	93.5	017-88	
The state of the s				



11 8 2209 N. Padre Island Dr., Corpus Christi, TX 78408 FAX (512) 447-4766 4221 Freidrich Lane, Suite 190, Austin, TX (512) 444-5896

> Environmental Tech Group Address: 2540 W. Marland Ken Dutton Client: Atin:

Hobbs

Nm 88240

505 397-4882 Phone:

FAX: 505 397-4701

Report Date: 10/12/01 Time: 13:24 Project ID: Bob Durham EOT 2044C Date Received: 10/02/2001 Report#/Lab ID#: 120037 Sample Name: MW 21 Sample Matrix: water

**Time:** 14:00 Date Sampled: 09/26/2001

 $|LCS^4|$ 

101.5 100.8

94.7

114.6 102.3 102

101.4 112.4

88.2

REPORT OF ANALYSIS

MELONI OF ANALYSIS							OUALITY	ACCITO	INCED	TA I
Parameter		ļ					X X X X X X	1000	200	A T (A
	Result	Units	KQL 3	Blank	Date	Method 6	Data Ousl 7 Pres 2 Recov 3 CCV4	Pror 2	Recov 3	レバング
Volatile organics-8260h/RTFX										1
	•		:		10/60/01	8260b	1	} ;	;	;
Benzene		-								
	⊽	T/S/T		~ ~	10/60/01	8260h		-		
Ethylbenzene	7		•		-	20070	•	C:-T	7:1	0.71
	7	HB/L	;	⊽	10/60/01	8260h		7 7	0 00	001
m,p-Xylenes	<u>,</u>	1/200	•	•			!	2.4	77.0	102.3
	7	1/8/1	-	⊽	10/60/01	8260b	;		CXC	1017
0-Aylene	V	110/	_	-	0000			?	i	7.70
Colliana	;	i i	<b>-</b>	7	10/60/01	8260b		2.1	99.4	P 101
	<u></u>	. 1/011	-	7	10,000	10,000				
		)	-	7	- 10/00/01	1 0007X	,	_ _	000	7

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Richard Laster

Richard Laster

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4221 Freidrich Lanc, Suite 190, Austin, TX 4 & 2209 N. Padre Island Dr., Corpus Christi, TX 7840408 (512) 444-5896 • FAX (512) 447-4766

Client: Environmental Tech Group
Atin: Ken Dutton

Project ID: Bob Durham EOT 2044C Sample Name: MW 21

Report#/Lab ID#: 120037 Sample Matrix: water

# REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Oualifiers
1,2-Dichloroethane-d4	R7KOh	050	00, 00	
Toling do		67.79	077-08	
ו המכונב-מס	8260b	95.9	88,110	
			077.00	2 14



4221 Freidrich Lane, Suite 190, Austin, TX 744 & 2209 N. Padre Island Dr., Corpus Christi, TX 78408 (512) 444-5896 FAX (512) 447-4766

Report Date: 30/12/01

Project ID: Bob Durham EOT 2044C

Sample Name: MW 22. Sample Matrix: water

Report#/Lab 1D#: 120038

Environmental Tech Group

Client: Environmental Tech Group
Attn: Ken Dutton
Address: 2540 W. Marland

Hobbs

Nm 88240

Phone: 505 397-4882 FAX: 505 397-4701

OUALITY ASSURANCE DATA!

**Time:** 13:24 **Time:** 14:10.

Date Received: 10/02/2001 Date Sampled: 09/26/2001  $LCS^4$ 

101.5

94.7

102

REPORT OF ANALYSIS

							COALLLI ASSURANCE DATA	1000 CE	といくに リン	
Farameter	Result	Units	RQL 5	Blank	Date	Method 6	Data Qual 7 Prec. 2 Recov. 3 CCV4	Prec. 2	Recov.3	CCV4
Volutio gramiae 01201-10170V				I						)
Totality of Balifes-0.0000 D LEA			-		10/60/01	8260b	; ;			1
Benzene		1/011	_	7	10,00,01	10000		-		
Ribeithanzana	;	10	4	7	10/20/01	97000	;	ij	91.7	14.6
ביווֹ אַנְיבְינוֹינְבְינוֹינְבְינוֹינְבְינוֹינְבְינוֹינְבְינוֹינִבְיוֹינְבְינוֹינְבְינוֹינְבְינוֹינְבְינוֹינְבְיוֹינִבְיוֹינִבְּינוֹינִבְּיוֹינִבְיוֹינִבְּיוֹינִבְּיוֹינִבְּיִינִבְּיִי	⊽	ng/L		7	10/60/01	8260b	1	2.6	8 66	107.3
m,p-Xylenes	7	1/0/1		7	10/00/01	10,00		) (		
2 7 0	;	1/91	-	7	10/60/01	8700D	1	3.3	98.2	(01.7
O'A) ISIN	⊽	µg/L		⊽	10/60/01	8260b	-		P 00	7 101
Loluene	₹	1/0/1	_	7	10,00,01	10,000		i (		
	,	1 2 1		7	10/60/01	82000	;	0	88.7	112.4
			***************************************						_	-

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Respectfully Submitted,

Richard Laster

Richard Laster

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That YSYS

Client: Environmental Tech Group
Attn: Ken Dutton

Project ID: Bob Durham EOT 2044C Sample Name: MW 22

Report#/Lab ID#: 120038
Sample Matrix: water

Ken Dutton

Recovery Limit | Data Qualifiers į 88-110 80-120 Recovery 84.4 95.5 Method 8260b 8260b REPORT OF SURROGATE RECOVERY Surrogate Compound 1,2-Dichloroethane-d4 Toluene-d8



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

Report Date: 10/12/01

Project ID: Bob Durham EOT 2044C

Sample Name: MW 24 Sample Matrix: water

Report#/Lab ID#: 120039

Client: Environmental Tech Group
Attn: Ken Dutton
Address: 2540 W. Mariand
Ilobbs Nan 88240

505 397-4882 **FAX:** 505 397-4701

Phone:

Date Sampled: 09/26/2001 Time: 08:45
QUALITY ASSURANCE DATA

Time: 13:24

Date Received: 10/02/2001

Data Qual 7 Prec. 2 Recov. 3 CCV4 LCS4

Method 6 8260b

10/60/01

Date

101.5

99.8 98.2 99.4 88.2

3.3

8260b 8260b

8260b

10/09/01 10/09/01 10/09/01

10/60/01

8260b 8260b

10/60/0

94.7

114.6 102.3 101.7

91.7

102

101.4

Blank  $\overline{\mathsf{v}}$  $\overrightarrow{\nabla}$  $\overline{\mathsf{v}}$ ROL 5 Units μg/L Hg/L µg/L H8/F µg/L Result V ₹ V  $\overline{\mathbf{v}}$ Ÿ Volatile organics-8260t/BTEX REPORT OF ANALYSIS Ethylbenzene m,p-Xylenes Parameter o-Xylene Benzene Poluene

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Respectfully Submitted,

Richard Laster

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4221 Freidrich Lane, Suite 190, Austin, TX 4 & 1109 N. Padre Island Dr., Corpus Christi, T 840408 (512) 444-5896 FAX (512) 447-4766

Client: Environmental Tech Group
Altn: Ken Dutton

Project ID: Bob Durham EOT 2044C Sample Name: MW 24

Report#/Lab ID#: 120039
Sample Matrix: water

# REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260h	96.2	80-120	9-4-7
Foluene-d8	8260b	1 76	88,110	:
		•	011-00	



741 & 2209 N. Padre Island Dr., Corpus Christi, TX 78408 4221 Freidrich Lane, Suite 190, Austin, TX

FAX (512) 447-4766 (512) 444-5896

Report Date: 10/12/01 Time: 08:30 Time: 13:24 Project ID: Bob Durham EOT 2044C **Date Received:** 10/02/2001 Date Sampled: 09/26/2001 Report#/Lab ID#: 120040 Sample Name: MW 25 Sample Matrix: water Nm 88240 FAX: 505 397-4701 Environmental Tech Group Address: 2540 W. Marland 505 397-4882 Ken Dutton Hobbs Phone: Client: Attn:

REPORT OF ANALYSIS

REPORT OF ANALYSIS							OUALITY /	SSURA	NCE DA	IVI	
Parameter	Result	Units	RQL 5	Blank	Date	Method 6	Data Qual 7   Prec. 2   Recov. 3   CCV 4   LCS 4	Prec.2	Recov.3	CCV4	LCS4
Volatile organics-8260b/BTEX	1		1		10/60/01	8260b		;	:		
Benzene	⊽	µg/L		<1	10/60/01	8260b		1.3	91.7'	114.6	94.7
Ethylbenzene	⊽	µg/L		^1	10/60/01	8260b	}	5.6	8.66	102.3	101.5
m,p-Xylenes	⊽	hg/L	_	7	10/60/01	8260b	į	3.3	98.2	101.7	100.8
o-Xylene	~ ~	Hg/L		7	10/60/01	8260b	1	2.1	99.4	101.4	102
Toluene	⊽	Hg/L	<b>-</b>	7	10/60/01	8260h	:	0	88.2	112.4	91.8
The state of the s									***************************************		

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Richard Laster

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Client: Environmental Tech Group
Atin: Ken Dutton

Project ID: Bob Durham EOT 2044C Sample Name: MW 25

Report#/Lab ID#: 12(0040 Sample Matrix: water

## REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	83.1	80-120	
l'ofuene-d8	8260b	94.7	011.88	
			217 22	1



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

Report Date: 10/12/01

Time: 13:24 Time: 13:30

Project ID: Bob Durham EOT 2044C Date Received: 10/02/2001 Date Sampled: 09/26/2001 Report#/Lab ID#: 120041 Sample Name: MW 26 Sample Matrix: water Nm 88240 FAX: 505 397-4701 Environmental Tech Group Address: 2540 W. Marland Phone: 505 397-4882 Ken Dutton Hobbs Client: Attn:

REPORT OF ANALYSIS

							CUALITY	ASSUR,	ANCE DA	TAT	
rarameter	Result	Units	ROL 5	Rank	Date	Mathod 6	1 Day 0 17   D 3   Card	n	D. 22.2.3	9:300	
Valatile sureming of Col. or const				4	7,007	ITACEMON	Data Cuai	rrec.	MECUA	2	
Volatile of ganics-8200b/B I EX	{		!		10/60/01	8260b				-	
Renzene											
G.41L	7	ηg/L	_	⊽	10/60/01	8260b	:	1.3	61.7	1146	7 76
carynearzene	⊽	T/an	-	7	10/00/01	97£0k		, ,	0		
ni n. Xvlenes		5	,	;	10/00/01	07070	-	0.7	97.0	102.3	201.5
	⊽	hg/L	_	⊽	10/60/01	8260b		ر. د.	98.2	1017	8003
0-Aylene	⊽	T/ZIT	-	V	10/00/01	87.KOb				7	
Toluene	7			;	70/00/07	07070			47,4	101.4	10,
	7	T/8H	_	⊽	10/60/01	8260b	-	0	88.2	112.4	91.8

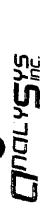
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Rekord Laster

Richard Laster

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Report Date: 10/12/01



4221 Freidrich Lane, Suite 190, Austin, TX 14 & 1209 N. Padre Island Dr., Corpus Christi, TX 7840408 (512) 444-5896 FAX (512) 447-4766

Client: Environmental Tech Group
Attn: Ken Dutton

Project ID: Bob Durham EOT 2044C Sample Name: MW 26

Report#/Lab ID#: 120041 Sample Matrix: water

# REPORT OF SURROGATE RECOVERY

			j		
surrogate Compound	Method	Recovery	Recovery Limit	Data Onalifiere	
1.2 Diable 14				1	
1,2. Diction of the age - 44	8260h	816	001.00		
Polyment do	)	2	00-1-00	!!!	
ו סוובנות-ת	8260b	196	88.110		
		ĭ	017-00	1	



44 & 2209 N. Padre Island Dr., Corpus Christi, TX 78408 FAX (512) 447-4766 4221 Freidrich Lane, Suite 190, Austin, TX (512) 444-5896

Report Date: 10/12/01 Time: 13:45 Time: 13:24 Project ID: Bob Durham EOT 2044C Date Received: 10/02/2001 Date Sampled: 09/26/2001 Report#/Lab ID#: 120042 Sample Name: MW 27 Sample Matrix: water Nm 88240 FAX: 505 397-4701 Environmental Tech Group Address: 2540 W. Marland 505 397-4882 Ken Dutton Hobbs Client: Phone: Alln:

REPORT OF ANALYSIS

ACT ON OF ANALYSIS							OUALITY ASSURANCE DATA	ASSITE	ACE DA	TAI	
Parameter	Result	Units	ROL 5	Blank	Date	Method 6	Data Ousl 7 Proc 2 Recov 3 CCV4   CS4	Dron 2	Recay 3	P(2)	1004
Volatile greenice 2260h/PTEV							Ima Z Hills	1100		رد	בר בר
The state of the s			!		10/60/01	8260b	1 1	- 11.		;	;
Benzene			,								
	⊽	HB/L		7	10/60/01	8260b	_	E.3	91.7	114.6	94.7
Entyloenzene	~	1/6/1		7	10/00/01	ן יייסארס		,			
n. n. X vlenes	_	) ;	1	7	10/20/07	92000	:	0.7	27.8	102.3	101.5
V. V. V. V.	₹	HB/L	-	7	10/60/01	8260b	;	3.3	98.2	101.7	100.8
o-Aylene	⊽	HB/L	_	⊽	10/60/01	8260h	,	,	00 7	7 2	:
Toluene	70							i	77.7	±.	707
	ţ;	HB/L		₹	10/00/01	8260b	:	0	88.2	112.4	91.8
			7								

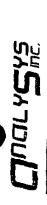
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Richard Parter Respectfully Submitted,

Richard Laster

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

Report Date: 10/12/01



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

> Environmental Tech Group Ken Dutton Client: Attn:

Project ID: Bob Durham EOT 2044C Sample Name: MW 27

Report#/Lab 1D#: 120042 Sample Matrix: water

## REPORT OF SURROGATE RECOVERY

Correction Comments		**************************************		
Dailogaic Compound	Method	Recovery	Recovery Limit	Data Ougliffers
1 1 1.5.6.1		*		
1,2-Dictiologinane-44	8260b	87.6	80-120	
Tollions do		2	271-02	•
1 Oluci)c-uô	8260b	080	88-110	
			077-00	•

### Exceptions Report:

Report #/Lab ID#: 120042 Matrix: water Project ID: Bob Durham EOT 2044C Client: Environmental Tech Group Sample Name: MW 27

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

verified as to the presence and relative ratio of target ions (eg. the material causing the I flag "hit" in such situations may be nothing more than background ion-fragment noise.) 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 A J stag data qualifier indicates (as required under TNRCC-TRRP reporting requirements) that the raw calculated analyte concentration in the sample (uncorrected for

Comments pertaining to Data Qualifiers and QC data:

	IVE.			
Qualif Comment	See J-flag discussion above.			
Qualif	-			
Parameter	Вепделе	Notes:		



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

Report Date: 10/12/01 **Time:** 13:24 Time: 11:00 Project ID: Bob Durham EOT 2044C Date Received: 10/02/2001 Date Sampled: 09/26/2001 Report#/Lab ID#: 120043 Sample Name: MW 29 Sample Matrix: water Nm 88240 FAX: 505 397-4701 Environmental Tech Group Address: 2540 W. Marland 505 397-4882 Ken Dutton Hobbs Phone: Client: Attn:

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The state of All Alian							OUALITY ASSIRANCE DATA	ASSIIR	ANCEDA	TAI	
Parameter	Result	Unite	ROI 5	Rioni	Park	94 6-34					
Volatile graning 87401 O'rev			2	Dialin	naie	Method	Data Qual '   Prec. 4   Recov. 3   CCV 4   LCS 4	Prec.	Kecov.3	CCV4	$LCS^4$
Carrier of games-62000/01 E.A.	* - L		:		10/60/01	8260b					1
Benzene	-		-								
Filivihenzene	; ·	J/M		⊽	10/60/01	8260b	<u>-</u> ,		91.7	114.6	94.7
	⊽	HB/L		⊽	10/60/01	8260h	j	26	× 00	100.3	2 7 9 1
ni,p-Aylenes	~	) 1/2/1		•		)		- - -	0.66	1020	2.10
0-Xvlene	,	1,91		ī	10/60/01	8260b	;	3,3	98.2	101.7	8.001
Toluene	7	Hg/L	·	7	10/60/01	8260b	ř	2.1	99.4	101.4	102
	1>	1/B/L	<b>-</b>	⊽	10/60/01	8260b	~,	0	88.2	112.4	81.6
											,

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Richard Laster

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4221 Freidrich Lane, Suite 190, Austin, TX 44 & 2209 N. Padre Island Dr., Corpus Christi, TX 7840408 (512) 444-5896 FAX (512) 447-4766

Environmental Tech Group Client:

Project ID: Bob Durham EOT 2044C

Report#/Lab ID#: 120043 Sample Matrix: water

Atin:	Atin: Ken Dutton		Tieject (D: D	Freject AD: DOB DUMBER EUT 2044	٦.
			Sample Name: MW 29	: WW 29	
REPOR	REPORT OF SURROGATE RECOVERY				
Surropa	Stirropate Commonned		-		
	compound	Method	Kecovery	Recovery   Recovery Limit   Data Qualifiers	Data Qualifiers
1,2-Dichi	1,2-Dichloroethane-d4	8260b	92	80.120	
Toluene de	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		i \	27-75	1
		8.260b	6.66	88-110	•

### Exceptions Report:

Report #/Lab ID#: 120043 Matrix: water Project ID: Bob Durham EOT 2044C Client: Environmental Tech Group

Attn: Ken Dutton

Sample Temperature/Condition <=6°C

Sample Name: MW 29

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	Qualif Comment	<b></b>
Вепгепе	-	See J-flag discussion above.	
Toluenc	J	See J-flag discussion above,	
Notes:			_

Page#: 3



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

744 &

Nm 88240 Environmental Tech Group Address: 2540 W. Marland Ken Dutton Hobbs Client: Attn:

FAX: 505 397-4701 Phone: 505 397-4882

Report Date: 10/12/01 Time: 13:24 Project ID: Bob Durham EOT 2044C Date Received: 10/02/2001 Report#/Lab ID#: 120044 Sample Name: MW 30 Sample Matrix: water

> This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results tig/L hg/L ₹ ₹ o-Xylene Tolucne

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Richard Laster Rechard

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101.5 100.8

102.3 101.7 101.4

8.66

98.2 99.4

3.3 2.1

8260b 8260b

10/60/01 10/60/01

hg/L

 $\vec{v}$ 

 $\overline{\mathbf{v}}$  $\overline{\mathsf{v}}$ 

μg⁄L

 $\overline{\mathsf{v}}$ 7 ⊽

8260b

10/60/01

10/60/01

8260b 8260b

8260b

0/60/01 10/60/01

94.7

114.6

91.7

102

112.4

88.2

Data Qual 7 Prec. 2 Recov. 3 CCV4 LCS

Method 6

Date

Blank

ROL<sup>5</sup>

Units

Result

Volatile organics-8260b/BTEX

Ethylbenzene m,p-Xylenes

Benzene

REPORT OF ANALYSIS

Parameter

**OUALITY ASSURANCE DATA** 

Time: 11:10

Date Sampled: 09/26/2001

4221 Freidrich Lane, Suite 190, Austin, TX 44 & 2209 N. Padre Island Dr., Corpus Christi, TX 7840408 (512) 444-5896 • FAX (512) 447-4766

Environmental Tech Group Ken Dutton Client: Attn:

Project ID: Bob Durham ECT 2044C Sample Name: MW 30

Report#/Lab ID#: 120044 Sample Matrix: water

REPORT OF SURROGATE RECOVERY

	<u> </u>			
out regate Compound	Method	Recovery	Recovery Limit	Data Onalifiere
2 Dichie				***************************************
, - Deminion Deminine - 04	8260b	859	001.08	
0, 0,000		\.;;;	071-00	
חות מות ביות	8260b	5 66	88-110	
			) 1 - DD	-

### Exceptions Report:

Report #/Lab ID#: 120044 Matrix: water Project 1D: Bob Durham EOT 2044C Client: Environmental Tech Group Sample Name: MW 30

Attn: Ken Dutton

Sample Tempcrature/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

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Comments pertaining to Data Qualifiers and QC data:

	Qualif Comment	J See J-flag discussion above.	J See J. flag discussion above.		
,	Oua	J	ſ		
The state of the s	Farameter	Веплепс	Toluche	Notes:	

Page#: 3



4221 Freidrich Lane, Suite 190, Austin, TY 744 & 2209 N. Padre Island Dr., Corpus Christi, TX 78408 (512) 444-5896 • FAX (512) 447-4766

Report Date: 10/12/01

Time: 13:24 Time: 11:19

Project ID: Bob Durham EOT 2044C Date Received: 10/02/2001 Report#/Lab ID#: 120051 Date Sampled: 09/26/2001 Sample Name: MW 31 Sample Matrix: water Nm 88240 FAX: 505 397-4701 Environmental Tech Group Address: 2540 W. Marland 505 397-4882 Ken Dutton Hobbs Client: Phone: Attn:

REPORT OF ANALYSIS

							OUALITY ASSURANCE DATA	ASSUR.	ANCE D	LAT	
Parameter	D 14	11 -11-	2 - 4								
	Resuit	Chics	KCL,	Blank	Date	Method o	Data Qual 7   Prec. 2   Recov. 3   CCV4   1, CS4	Prec. 2	Recov.	CCV4	CS
Volatile organics-8260b/BTEX	1		•		10/60/01	8260b			1 4	:	
Renzene											
ביו וו	7.82	πg/L	(	⊽	10/60/01	8260b		1.3	91.7	1146	94.7
Ediyibenzene	⊽	ne/I	_	V	10/00/01	40968		, ,	0 00		
n n. Yulenas		) ; ò		;	10/60/01	92000	_	7.0	79.8	102.3	C.I.D.
map attents	₹	HB/L		⊽	10/00/01	8260b	-	3.3	98.2	101.7	100.8
0-Aylene	7	µg/L		V	10/60/01	8260h			7 00	7 172	5
Toluene	``		-		10000			7.7	17.7	4.10x	701
	7	HBVL		⊽	10/60/01	8260b	1	0	88.2	112,4	8 6
			-		-						

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Respectfully Submitted,

Richard Laster
Richard Laster

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



4221 Freidrich Lane, Suite 190, Austin, TX 144 & 2209 N. Padre Island Dr., Corpus Christi, TX 7840408 (512) 444-5896 FAX (512) 447-4766

Environmental Tech Group Client: Alln:

Ken Dutton

Project ID: Bob Durham EOF 2044C Sample Name: MW 31

Report#/Lab ID#: 120051 Sample Matrix: water

## REPORT OF SURROGATE RECOVERY

0				
Surrogate Compound	Method	Recovery	Recovery Limit	Data Onsliffere
		•		C 1211111111111111111111111111111111111
1,2-Dichloroethane-d4	8260b	808	80.120	
7.		2	271-00	
i oluene-dx	8260b	986	88-110	1 t
The state of the s				



4221 Freidrich Lane, Suite 190, Austin, TX 5744 & 2209 N. Padre Island Dr., Corpus Christi, TX 78408 (512) 444-5896 FAX (512) 447-4766

Report Date: 10/12/01

Project ID: Bob Durham EOT 2044C

Sample Name: MW 33 Sample Matrix: water

Report#/Lab ID#: 120045

Time: 13:24 Time: 11:27

Date Received: 10/02/2001 Date Sampled: 09/26/2001

Client: Environmental Tech Group
Attn: Ken Dutton
Address: 2540 W. Marland
Hobbs Nm 88240

Phone: 505 397-4882 FAX: 505 397-4701

### REPORT OF ANALYSIS

METURI UF ANALYSIS							OHALITY ASSURANCE DATAL	ASSIIR	ANCEDA	TAI	
Parameter	Result	Units	ROL	Blank	Date	Method 6	Data Oual 7 Dear 2 Boon 3 Cov4 1 Cost	Drag 2	Pocov 3		P007 -
Volatile organics-8260b/RTEX							המום לתם	1156	meror.	2	נים
dense deservit	-:-		1		10/60/01	8260b	;	;	1	;	1
Benzene	,	1/	-								
	7	1/8/L	_	⊽	10/60/01	8260b	<del>-</del> >	1.3	7.16	114.6	
Euryroenzene	~	ue/L	_	7	10/00/03	TOZCO		`	0		
m n. Yvlenas	. •	ò	7	7	10/60/01	00079	;	7.0	8.76	102.3	
with a strikes	⊽	7/8π		⊽	10/060/01	8260b		er er	98.7	1017	800
0-Aylene	V	1/0/1		ī	10/00/01	10700					
Tolinene	`	) . o		7	10/60/01	00079	i i	7.7	47.66	101.4	
	07:7	hg/L	<	⊽	10/60/01	8260b	,	0	88.2	110.4	
			-		-			,		·	

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Respectfully Submitted,

Richard Later

Richard Laster

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4221 Freidrich Lane, Suite 190, Auslin, T. 744 & 2209 N. Padre Island Dr., Corpus Christi, TX 7840448 (512) 444-5896 FAX (512) 447-4766

Client: Environmental Tech Group
Attn: Ken Dutton

Project ID: Bob Durham EOT 2044C Sample Name: MW 33

Report#/Lab ID#: 120045
Sample Matrix: water

## REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Oualifiers
1,2-Dichloroethane-d4	8260b	94.2	80-120	1
Toluene-d8	8260b	97.8	88-110	1

### Exceptions Report:

Attn: Ken Dutton Report #/Lab ID#: 120045 Matrix: water Project ID: Bob Durham EOT 2044C Client: Environmental Tech Group Sample Name: MW 33

### Sample Temperature/Condition <=6°C

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### Sample Bottles & Preservation

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Comments pertaining to Data Qualifiers and QC data:

Qualif Comment	J See J-flag discussion above.	J See J-flag discussion above.			
Qualif	5	-			
Parameter	Вепгепе	m.p-Xylencs	Notes:		The state of the s

Page#; 3



744 & 2209 N. Padre Island Dr., Corpus Christi, TX 78408 FAX (512) 447-4766 4221 Freidrich Lane, Suite 190, Austin, 7 (512) 444-5896

Report Date: 10/12/01 Time: 13:24 Time: 12:52 Project ID: Bob Durham EOT 2044C Date Sampled: 09/26/2001. Date Received: 10/02/2001 Report#/Lab 1D#: 120046 Sample Name; mw 34 Sample Matrix: water Nm 88240 **FAX:** 505 397-4701 Environmental Tech Group Address: 2540 W. Mariand 505 397-4882 Ken Dutton Hobbs Phone: Client: Attn:

REPORT OF ANALYSIS

KEPOKI OF ANALYSIS							OUALITY ASSURANCE DATA	ASSUR/	NCE DA	TAI	
Parameter	Result	Units	RQL 5	Blank	Date	Method 6	Data Qual 7 Prec. 2 Recov. 3 CCV4 LCS4	Prec.2	Recov.3	CCV4	LCS4
Volatile organics-8260b/BTEX	,		1		10/60/01	8260b		;-			
Benzene	マ	hg/L		⊽	10/60/01	8260b	-	1.3	7.16	114.6	94.7
Ethylbenzene	⊽	μg/L	••••	7	10/60/01	8260b	-{-	2.6	8.66	102.3	101.5
m,p-Xylenes	⊽	µg/L	*******	⊽	10/60/01	8260b	1	3.3	98.2	101.7	100.8
0-Xylene	₹	ng/L		⊽	10/60/01	8260b	ì	2.1	99.4	101,4	102
Loluene	⊽	ug/L		7	10/60/01	8260b	5	0	88.2	112.4	91.8
						•		•		•	

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Richard Laster

Richard Laster

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4221 Freidrich Lane, Suite 190, Austin, T. 744 & 2209 N. Padre Island Dr., Corpus Christi, 7840408 (512) 444-5896 FAX (512) 447-4766

Client: Environmental Tech Group
Attn: Ken Dutton

Project ID: Bob Durham EOT 2044C Sample Name: niw 34

Report#/Lab ID#: 120046 Sample Matrix: water

# REPORT OF SURROGATE RECOVERY

Charleton				The second secon
Surregate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Toluene-d8	8260b	97.2	88-110	

Exceptions Report:

	Attn: Ken Dutton			
Report #/Lab ID#: 120046 Matrix: water	Client: Environmental Tech Group	Project ID: Bob Durham EOT 2044C	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

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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

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 Linit. 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.) A I flag data qualifier indicates (as required under TNRCC-TRRP reporting requirements) that the raw calculated analyte concentration in the sample (uncorrected for

Comments pertaining to Data Qualifiers and QC data:

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Qualit Comment	J See J-flag discussion above.	See J-flag discussion above.				***************************************
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Parameter	Вепхепе	Tolucne	Notes:	And the state of t	**************************************	A THE RESERVE OF THE PARTY OF T

Page#: 3



4221 Freidrich Lane, Suite 190, Austin, 18744 & 2209 N. Padre Island Dr., Corpus Christi, TX 78408 (512) 444-5896 FAX (512) 447-4766

Report Date: 10/12/01

Project ID: Bob Durham EOT 2044C

Sample Name: MW 35 Sample Matrix: water

Report#/Lab ID#: 120047

Client: Environmental Tech Group
Attn: Ken Dutton
Address: 2540 W. Marland

Hobbs Nm 88240

505 397-4882 FAX: 505 397-4701

Phone:

ROL Units  $\mu g/L$ hg/L Hg/L rg/L hg/L Result  $\overline{v}$  $\vec{\mathbf{v}}$  $\vec{v}$  $\vec{v}$ Volatile organics-8260b/BTEX REPORT OF ANALYSIS Ethylbenzene n,p-Xylenes Parameter o-Xylene Benzene loluene

 $LCS^4$ 

Data Qual 7 | Prec. 2 | Recov.3 | CCV4

Method 6

Date

Blank

0/60/01

**OUALITY ASSURANCE DATA** 1

Time: 13:24 Time: 13:10

**Date Received:** 10/02/2001 **Date Sampled:** 09/26/2001

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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 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

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4221 Freidrich Lane, Suite 190, Austin, 1 8744 & 2209 N. Padre Island Dr., Corpus Christi, TX 7840408 (512) 444-5896 • FAX (512) 447-4766

Environmental Tech Group Client: Attn:

Ken Dutton

Project ID: Bob Durham EOT 2044C Sample Name: MW 35

Report#/Lab 1D#: 120047 Sample Matrix: water

## REPORT OF SURROGATE RECOVERY

carrogate Compound	Method	Recovery	Recovery Limit	Data Oualifier
1,2-Dichloroethane-d4	8260b	105	80-120	
Foluenc-d8	8260b	266	88-110	

#### Exceptions Report:

Report #/Lab ID#: 120047 Matrix: water Project ID: Bob Durham EOT 2044C Client: Environmental Tech Group Sample Name: MW 35

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 lemperature 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

Detection Linit. 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 tatio of target ions (eg. the material causing the J flag "hit" in such situations may be nothing more than background ion-fragment noise.) background levels/blanks and other potential sources of sampling and analytical contamination), though less than the Reported Quantitation Limit (RQL) is greater than the A J flag data qualifier indicates (as required under TNRCC-TRRP reporting requirements) that the taw calculated analyte concentration in the sample (uncorrected for

Comments pertaining to Data Oualifiers and OC data:

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Parameter	Qualif	Qualif Comment
Веплен	-,	J See J-flag discussion above.
Toluene	ſ	See J-Ilag discussion above.
Notes:		

Page#: 3



4221 Freidrich Lane, Suite 190, Austin, 18744 & 2209 N. Padre Island Dr., Corpus Christi, TX 78408 (512) 444-5896 PAX (512) 447-4766

Report Date: 10/12/01

Project ID: Bob Durham EOT 2044C

Sample Name: MW 36 Sample Matrix: water

Report#/Lab ID#: 120048

Time: 13:24 Time: 13:20

Date Received: 10/02/2001 Date Sampled: 09/26/2001

Client: Environmental Tech Group
Attn: Ken Dutton

Address: 2540 W. Marland Hobbs

Spoots

Nm 88240

505 397-4882 FAX: 505 397-4701

Phone:

REPORT OF ANALYSIS

Volatile organics-8260b/BTEX

Parameter

Ethylbenzene m.p-Xylenes

Benzene

o-Xylene

Toluene

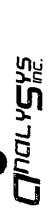
101.5 100.8 LCS<sup>4</sup> 8.16 102 7.7 Data Qual 7 Prec. 2 Recov.3 CCV4 101.4 112.4 114.6 102.3 101.7 **OUALITY ASSURANCE DATA!** 88.2 91.7 8.66 98.2 99.4 2.6 3.3 2.1 Method 6 8260b 8260b 8260b 8260b 8260b 8260b 10/60/01 10/60/01 10/60/01 10/60/01 10/60/01 0/60/01 Date Blank  $\nabla \nabla$  $\forall \ \forall \ \forall$ ROL Units hg/L hg/L µg/L Hg/L η⁄βή Result  $\vec{\nabla}$  $\overline{\mathsf{v}}$  $\overline{\mathsf{v}}$ 

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Respectfully Submitted, Richard Latter

Richard Laster

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4221 Freidrich Lane, Sulte 190, Austin, T. 8744 & 2209 N. Padre Island Dr., Corpus Christi, TX 7840408 (512) 444-5896 • FAX (512) 447-4766

Environmental Tech Group Client: Attn:

Ken Dutton

Project ID: Bob Durham EOT 2044C Sample Name: MW 36

Report#/Lab ID#: 120048 Sample Matrix: water

## REPORT OF SURROGATE RECOVERY

ourrogate Compound	Method	Recovery	Recovery Limit	Data Onalifiers
1,2-Dichloroethane-d4	8260b	107	001.130	
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I oluene-d8	1 82.60h	083	00 1 20	
	2025	200	011-00	

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

Report Date: 10/12/01

Exceptions Report:

Attn: Ken Dutton Report #/Lab ID#: 120048 Matrix: water Project ID: Bob Durham EOT 2044C Client: Environmental Tech Group Sample Name: MW 36

Sample Temperature/Condition <=6°C

The typical sample temperature criteria (except for metals by ICP, GFAA and A 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 prechiding temperature measurement without impacting sample integrity (ex. in a bottle with no eooler).

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. Notes:	
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Page#: 3

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(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 finits (AIDLIPQL). For GCAIS volatiles and extractables, unless specific analytical parameter lists are specified on this chain-of-custody or utuached to this chain-of-custody, ASI will default to brioxity Pollutumus or ASI's option. Specific compound lists must be supplied for all GC procedures. 

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

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Send Reports To:	Address 25 40 W MARLAND	City He Bes State A	ALIN KEN DUTTON	Phonu(5ac) 79-482 Fax (5ac) 187-470	Rush Status (must be confirmed with lab mgr.): Project Name/PO# - 808 MILLON Some	E17		MW 26	MWal	Mw 22	MW 24	MW 25	MW 26	MW 27	MW 29	mw 3@	my 3/

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

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### CHAIN-OF-CUSTODY

Fax  Lab I.D. #  Water Waste (Lab only)							
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	Sample Relinquished	d By		. !	Sample Received	Ву	
Namy	Affiliation	Date	Time	Name	Affiliation	Date	Time
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[Tendering of above described samples to AnalySys, Inc. for analytical testing constitutes agreement by buyer/sampler to AnalySys, Inc.'s standard terms.]



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

> Environmental Tech Group Jason Henry Client: Attas

Address: 4600 West Wall

Midland

79703

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915 522-1139 Phone:

FAX: 915 520-4310

Report Date: 12/11/01 Project ID: Bob Durham EOT 2044C Report#/Lab ID#: 123033 Sample Name: MW 3

Sample Matrix: water

Time: 10:00 Time: 14:00 Date Received: 11/27/2001 Date Sampled: 11/24/2001 ||CS

Data Qual 7 | Prec. 2 | Recov. 3 | CCV4

Method 6 8260b 8260b 8260b 8260b 8260b 8260b

Date

12/06/01 12/06/01

**OUALITY ASSURANCE DATA<sup>1</sup>** 

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86.6 88.4

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12/06/01

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REPORT OF ANALYSIS

Blank  $\vec{\nabla}$  $\vec{v}$  $\vec{\nabla}$  $\overline{\mathsf{v}}$ ROL 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. © Units Copyright 2000, AnalySys, Inc., Austin, TX. All rights reserved. No part of this T/8H μg/l\_  $\mu g/L$ hg/L μg/L Result 24.2 113 18  $\nabla$ Volatile organics-8260b/BTEX Ethylbenzene m,p-Xylenes Parameter o-Xylenc Benzene Poluene

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Respectfully Submitted, Richard

Richard Laster

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Environmental Tech Group That you Client:

Jason Henry Attn:

Project ID: Bob Durham EOT 2044C Sample Name: MW 3

Report#/Lab ID#; 123033 Sample Matrix: water

# REPORT OF SURROGATE RECOVERY

introdute Comments		i		
and Rate Compound	Method	Recovery	Recovery Limit	Data Onalifiers
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,2-Dicitionoeunane-d4	3250b	-	00 170	
<u> </u>			071-00	
oluene-d8	82604	107	00	
	00020	/07	011-00	1 1

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



8744 & 2209 N. Padre Island Dr., Corpus Christi, TX 78408 FAX (512) 447-4766 4221 Freidrich Lane, Suite 190, Austin, (512) 444-5896

Report Date: 12/11/01

Report#/Lab 1D#: 123034

Environmental Tech Group Jason Henry Client: Attn:

Address: 4600 West Wall

Midland

79703

ĭ

Рьове:

FAX: 915 520-4310 915 522-1139

Project ID: Bob Durham EOT 2044C Sample Name: MW 9

**Time:** 10:00 Date Received: 11/27/2001

Date Sampled: 11/24/2001

LCS4

Data Qual 7 Prec. 2 Recov. 3 CCV4

Method 6 8260b 8260b 8260b 8260b 8260b 8260b

QUALITY ASSURANCE DATA 1

Time: 09:30

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Sample Matrix: water

REPORT OF ANALYSIS

Parameter	Result	Units	ROI 5	Units ROLS Right	Poto
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Ethylbenzene	7		-	. •	
	7	1.8/1.		⊽	12/05/01
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Richard Latter

Richard Laster

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

Environmental Tech Group Client: Attn:

Jason Henry

Project ID: Bob Durham EOT 2044C Sample Name: MW 9

Report#/Lab ID#: 123034 Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	107.5	80-120	* = 4
Toluene-d8	8260b	98.2	88-110	;

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

	Attn: Jason Henry	•		,
Report #/Lab ID#: 123034 Matrix: water	Client: Environmental Tech Group	Project 1D: Bob Durham EOT 2044C	Sample Name: MW 9	

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.

I flag Discussion

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.) A J flag data qualifier indicates (as required under TNRCC-TRRP reporting requirements) that the raw calculated analyte concentration in the sample (uncorrected for

Comments pertaining to Data Qualifiers and QC data:

Commission of the Commission of Control	211112	מווח ל כ תקונו:
Parameter	Qualif	Qualif Comment
Bthythenzene	-	J See J-flag discussion atrove.
Notes:		



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

8744 &

78408

Report Date: 12/11/01

Project ID: Bob Durham EOT 2044C

Sample Name: MW 10 Sample Matrix: water

Report#/Lab ID#: 123035

Time: 10:00 Time: 11:15

Date Received: 11/27/2001 Date Sampled: 11/24/2001

Environmental Tech Group Jason Henry Client: Attn:

Address: 4600 West Wall

Midland

915 522-1139 Phone:

FAX: 915 520-4310

79703

REPORT OF ANALYSIS

Data Qual 7 Prec. 2 Recov. 3 CCV4 **QUALITY ASSURANCE DATA!** į Method 6 8260b 8260b 8260b 8260b 8260b 8260b 12/06/01 12/06/01 12/06/01 12/06/01 12/06/01 12/06/01 Date Biank  $\overline{\lor}$  $\vec{\nabla}$  $\overline{\mathsf{v}}$  $\vec{\nabla}$ ROL<sup>5</sup> Units hg/L hg/L ⊓/grt √gh hg/L Result 1.59 93.5 1.9 ⊽ Volatile organics-8260b/BTEX Ethylbenzene m,p-Xylenes Parameter o-Xylene Точиене Вендене

L'CS

82.6 89.2

88.3

86.2 91.2

94.6 89.9 94.8 93.4

85.7 87.4

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83

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tate Richard Laster Richard

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

Environmental Tech Group Client: Attn:

Jason Henry

Project ID: Bob Durham EOT 2044C Sample Name: MW 10

Report#/Lab 1D#: 123035 Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Virrogolo Comment			<u></u>	
	Method	Recovery	Recovery Limit	Data Oualifiers
				-
1,4-Dicilioroefnane-d4	8260h	103	80.120	
· 11	i : : : : : : : : : : : : : : : : : : :	)	077-00	-
l otherse-dg	8250h	105	011 00	
	20070	COT	00-130	:

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



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

Report Date: 12/11/01

Project ID: Bob Durham EOT 2044C

Report#/Lab ID#: 123036

Environmental Tech Group Jason Henry Client: Attn:

Address: 4600 West Wall

Midland

915 522-1139 Phone:

FAX: 915 520-4310

79703

Sample Name: MW 11 Sample Matrix: water

Time: 10:00 Date Received: 11/27/2001

11:45 Date Sampled: 11/24/2001

### REPORT OF ANALYSIS

NETONI OF ANALYSIS							<b>OUALITY ASSURANCE DATA</b> <sup>1</sup>	ASSURA	NCE DA	TA1	
Parameter	Result	Units	RQL 5	Blank	Date	Method 6	Data Qual 7   Prec 2   Recov 3   C(V4   1 C'S4	Prec 2	Recov.3	CCV4	45.71
Volatile organics-8260b/BTEX		1	1		19/08/01	407C8	,			,	2
Danama					10707	92000	′	;	<u> </u>	1	:
מפווכמווב	1.43	µg/L		⊽	12/05/01	8260b	-	1.4	91.6	496	616
Ethylbenzene	⊽	ug/L	-	V	10/50/61	8260h	-	00	101	000	10.20
m.p-Xylenes	7	) (0)	-	; -	10/20/01	20070	`	1	In	97.0	7.CO.
O. Xvlene	; -	1.87.	-4	7	10/50/71	8.260b	;		103.8	101.3	107.2
Tolum	⊽ `	hg/L		⊽	12/05/01	8260b	į	1.3	103	9.001	103.8
Louvelle	⊽	⊤g/l	manual .	7	12/05/01	8260b	:	0	101.3	102.6	100.2
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Richard

Richard Laster

of the relative porcent (%) difference between duplicate measurements. 3. Recovery (Recov.) is the percent (%) of analyte 1. Quality assurance data is for the sample batch which included this sample. 2. Precision (PREC) is the absulute value 4. Calibration Verification (CCV) and Laboratory Control Sample (LCS) results are dilutions. 7. Data Qualifiers are J = analyte potentially present between the PQL and the MDL. B = Analyte detected in typically denote USEPA procedures. Less than ("<") values reflect nominal quantitation limits adjusted for any required recovery exceeds advisory limit. SJ =MS and/or MSD and PDS recoveries exceed advisory limits. P =Precision higher 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 associated method blank(s). S1 =MS and/or MSD recovery exceed advisory limits. S2 =Post digestion spike (117.5) than advisory limit. M =Matrix interference. recovered from a spiked sample.



4221 Freidrich Lane, Suite 190, Austin, T 8744 & 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: Bob Durham EOT 2044C Sample Name: MW 11

Report#/Lab ID#: 123036 Sample Matrix: water

# REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	109.3	80-120	
Toluenc-d8	8260b	104.1	88-110	• • • • • • • • • • • • • • • • • • • •

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

Attn: Jason Henry Report #/Lab ID#:123036 Matrix: water Project ID: Bob Durham EOT 2044C Client: Environmental Tech Group Sumple Name: MW 11

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 lemperature 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

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.) A J flag data qualifier indicates (as required under TNRCC-TRRP reporting requirements) that the raw calculated analyte concentration in the sample (uncorrected for

Comments pertaining to Data Qualifiers and QC data:

	Qualif Comment	J See J-flag discussion above.		A STATE OF THE STA	
	Qualif	ſ			
California and Calain	Parameter	Ethyibenzene	Notes:		

Page#: 3



8744 & 78408 · FAX (512) 447-4766 2209 N. Padre Island Dr., Corpus Christi, 4221 Freidrich Lane, Suite 190, Austin, (512) 444-5896

Report Date: 12/11/01 Time: 10:00 Time: 11:00 Project ID: Bob Durham EOT 2044C Date Received: 11/27/2001 Date Sampled: 11/24/2001 Report#/Lab ID#: 123037 Sample Name: MW 13 Sample Matrix: water 79703 FAX: 915 520-4310 Τ× Environmental Tech Group Address: 4600 West Wall 915 522-1139 Jason Henry Midland Phone: Client: Atin:

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REPORT OF ANALYSIS							<b>OUALITY ASSURANCE DATA</b>	ASSUR/	INCE DA	TA I	
Parameter	Result	Units	RQL5	Blank	Date	Method 6	Data Oual 7 Prec. 2 Recov. 3 CCV4 LCS4	Prec.2	Recov.3	CCV4	LCS4
Volatile organics-8260b/BTEX	-;		t de c		12/06/01	8260b		1		;	
Benzene	215	hg/L	T	<b>!&gt;</b>	12/06/01	8260b	1	4.8	83	88.2	84.1
Ethylbenzene	71.6	Hg/L	_	7	12/06/01	8260b		0.1	68	90.4	87.4
m,p-Xylenes	103	hg/L		⊽	12/06/01	8260b	:	0.3	85.6	87.3	84
0-Xylene	⊽	hg/L		⊽	12/06/01	8260b	;	£:3	87.8	90.3	9'98
Toluene	⊽	Hg/L		⊽	12/06/01	8260b	_	4.3	87.1	92.5	88.4
	A	Annual Property of						_	-		-

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Richard father

Richard Laster

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



Client:

Atto:

4221 Freidrich Lane, Suite 190, Austin, T. 18744 & 2209 N. Padre Island Dr., Corpus Christi, TX 7840408 (512) 444-5896 • FAX (512) 447-4766

Environmental Tech Group Jason Henry

Project ID: Bob Durham EOT 2044C Sample Name: MW 13

Report#/Lab ID#: 123037 Sample Matrix: water

# REPORT OF SURROGATE RECOVERY

Surrogate Commons.	-			
Sare Compound	Method	Recovery	Recovery Limit	Data Oualifiers
1,4-Dichloroethane-d4	407C8	101	00.00	
Toliona 149	00070	101	80-120	:::
יי אות הוויים מיי	8260b	104	017 08	
		•	017-00	1

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

Report #/Lab ID#: 123037 Matrix: water Project ID: Bob Durham EOT 2044C Client: Environmental Tech Group Sample Name: MW 13

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 uneasures used in the field and during transport had insufficient time to achieve desired temperatures in the samples (see sample collection and sample 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

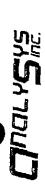
☑ Sample received in appropriate container(s) and appear to be appropriately preserved.
☐ Sample received in appropriate container(s). State of sample preservation unknown.
☐ Sample received in inappropriate container(s) and/or with unknown state of preservation.

#### J flag Discussion

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 Linit. 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 larget ions (eg. the material causing the J flag "hit" in such situations may be nothing more than background ion-fragment noise.) A J fing data qualifier indicates (as required under TNRCC-TRRP reporting requirements) that the raw calculated analyte concentration in the sample (uncorrected for

Comments pertaining to Data Qualifiers and QC data:

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



4221 Freidrich Lane, Suite 190, Austin, 7
2209 N. Padre Island Dr., Corpus Christi,
(512) 444-5896 • FAX (512) 447-4766

3744 &

78408

Client: Environmental Tech Group

Attn: Jason Henry

Address: 4600 West Wall

Midland Tx 79703

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

REPORT OF ANALYSIS

Report#/Lab ID#: 123038 Report Date: 12/11/01
Project ID: Bob Durham EOT 2044C
Sample Name: MW 14
Sample Matrix: water
Date Received: 11/27/2001 Time: 10:00
Date Sampled: 11/24/2001 Time: 10:05

QUALITY ASSURANCE DATA

Method 6

8260b

Data Qual 7 | Prec. 2 | Recov. 3 | CCV4 | I, CS4

103.9 107.2 103.8 100.2

96.4 99.8

101

8260b 8260b 8260b

8260b

101.3 100.6 102.6

103.8

103

101.3

8260b

91.9

91.6

12/05/01 12/02/01 12/05/01 12/05/01 12/05/01 12/05/01 Date Blank  $\vec{\nabla}$  $\vec{\tilde{v}}$  $\forall$ ROLS Units Hg/L Hg/L hg/L Hg/L µg/L 1 Result  $\vec{\mathbf{v}}$  $\vec{v}$  $\overline{\mathsf{v}}$  $\overline{\mathbf{v}}$ Volatile organics-8260b/BTEX Ethylbenzene m,p-Xylenes Parameter o-Xylene Benzene Toluche

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Respectfully Submitted, 1, Quantity Submitted, 19pical

Richard Latter

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



4221 Freidrich Lane, Suite 190, Austin, T. 18744 & 2209 N. Padre Island Dr., Corpus Christi, TX 7840408 (512) 444-5896 FAX (512) 447-4766

Environmental Tech Group Client: Attn:

Jason Henry

Project ID: Bob Durham EOT 2044C Sample Name: MW 14

Report#/Lab ID#: 123038 Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Nethod Recovery Recovery Limit Data Qualifie		Surrogate Compound 1,2-Dichloroethane-d4 Toluene-d8	Method 8260b 8260b	Recovery 109.5	Recovery Limit 80-120 88-110	Data Qualifier
	101ucne-d8 88-110	1,2-Diction of the date of the	8260b	109.5	80.120	
109.5 80.120		1 oluene-d8	8260b	101.9	88.110	

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

Report #/Lab ID#: 123038 Matrix: water Project ID: Bob Durham EOT 2044C Client: Environmental Tech Group Sample Name: MW 14

Attu: 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

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Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Qualif Comment
Вепzепе	_	See J. flug discussion above.
Notes:		



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

Report Date: 12/11/01

Project ID: Bob Durham EOT 2044C

Sample Name: MW 15 Sample Matrix: water

Report#/Lab ID#: 123039

**Time:** 10:00

Date Received: 11/27/2001 Date Sampled: 11/24/2001

79703 č Environmental Tech Group Address: 4600 West Wall Jason Henry Midland Client: Attn:

Phone: 915 522-1139

FAX: 915 520-4310

### REPORT OF ANALYSIS

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ASSUR		Prec. 2		!!		ć.	;	60	;	5. 4.		3.1	77	-
OUALITY ASSURANCE DATA		Data Ougl 7 Prec. 2 Recov. 3 CCV4 1 CS4		-		:		;		;		:	į	
	,	Method o	10700	gng79		82 <b>6</b> 0b		8260b	300	8260b	0.0 KOL	07070	8260h	
		Date	10/06/01	10/60/71		1 12/05/01		10/50/71	10,000,01	10/00/71	10/2/0/61	10/00/71	12/05/01	
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	Limite	STREE	1		,	7/9/1	Port	787	110/1	) )	T/an		1/8/1	)
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Die Carrier Die	rarameter	Volatile one 0000 to towns	Lorance organics-62000/B1EX	Hansona	ביות	Filtillanger	בייו ליוסרוולכווב	In the Xylenes	Canal for June	lo-Xvlene		Toluene		

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Richard fast Respectfully Submitted,

Richard Laster

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



4221 Freidrich Lane, Suite 190, Austin, TX 75744 & 2209 N. Padre Island Dr., Corpus Christi, TX 7840408 (512) 444-5896 • FAX (512) 447-4766

Environmental Tech Group Client: Attn:

Jason Henry

Project ID: Bob Durham EOT 2044C Sample Name: MW 15

Report#/Lab ID#: 123039 Sample Matrix: water

# REPORT OF SURROGATE RECOVERY

urrogate Compound	Method	Recovery	Recovery Limit	Data Onalifiers
,2-Dichloroethane-d4	8260b	103.6	061-08	
10 money 10				
On-artanio	8260b	96	88-110	, , ,
			)	

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



744 & 4221 Freidrich Lane, Suite 190, Auslin, TX 744 & 2209 N. Padre Island Dr., Corpus Christi, TX 78408 FAX (512) 447-4766 (512) 444-5896

Report Date: 12/11/01

Project ID: Bob Durham EOT 2044C

Sample Name: MW 17 Sample Matrix: water

Report#/Lab ID#: 123040

Environmental Tech Group Jason Henry Client: Attn:

Address: 4600 West Wall

Midland

915 522-1139 Phone:

79703 Ĕ

FAX: 915 520-4310

### REPORT OF ANALYSIS

REPORT OF ANALYSIS							<b>QUALITY ASSURANCE DATA!</b>	<b>ASSUR</b>	INCE DA	TA 1	
Parameter	Result	Units	RQLS	RQL 5 Blank	Date	Method 6	Data Qual 7 Prec. 2 Recov.3 CCV4 L.CS4	Prec.2	Recov.3	CCV4	LCS <sup>4</sup>
Volatile organics-8260b/BTEX	•	-			12/05/01	8260b			-	-	,
Benzene	<1	ηg/L	П	⊽	12/02/01	8260b	-	1.4	91.6	96.4	616
Ethylbenzene	7	ng/L		7	12/02/01	8260b	٠,	0.2	101	8.66	103.9
nı,p-Xylenes	2.79	ng/L	-	⊽	12/02/01	8260b	;	-	103.8	101.3	107.2
0-Xylene	1.32	HB/L	_	⊽	12/02/01	8260b	i	£.1	103	100.6	103.8
Loluene	⊽	hB/L		⊽	12/02/01	8260b	1	0	101.3	102.6	100.2
			•		•	•	•	•	•		

Time: 12:15 Time: 10:00

**Date Received:** 11/27/2001 Date Sampled: 11/24/2001

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Richard Later

Richard Laster

of the relative percent (%) difference between duplicate measurements. 3. Recovery (Recov.) is the percent (%) of analyte 1. Quality assurance data is for the sample batch which included this sample. 2. Precision (PREC) is the absolute value 4. Calibration Verification (CCV) and Laboratory Control Sample (LCS) results are dilutions. 7. Data Qualifiers are J = analyte potentially present between the PQL and the MDL. B =Analyte detected in typically denote USEPA procedures. Less than ("<") values reflect nominal quantitation limits adjusted for any required recovery exceeds advisory limit. S3 =MS and/or MSD and PDS recoveries exceed advisory limits. P =Precision higher 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 associated method blunk(s). SI =MS and/or MSD recovery exceed advisory limits. S2 =Post digention spike (PDS) than advisory limit. M ≃Matrix interference. recovered from a spiked sample.



4221 Freidrich Lane, Suite 190, Austin, TX 744 & 2209 N. Padre Island Dr., Corpus Christi, TX 7840408 (512) 444-5896 FAX (512) 447-4766

Environmental Tech Group Jason Henry Client: Attn:

Project ID: Bob Durham EOT 2044C Sample Name: MW 17

Report#/Lab ID#: 123040 Sample Matrix: water

REPORT OF SURROGATE RECOVERY

	Recovery Recovery Limit   Data	110.8 80.120	101.7 88-110
	Method	8260b	8260b
Surrogate Comments	2 Dichlored	College 49	On-circuit.

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

Report Date: 12/11/01

Attn: Jason Henry Report #/Lab ID#: 123040 Matrix: water Project ID: Bob Durham EOT 2044C Client: Environmental Tech Group Sample Name: MW 17

Sample Temperature/Condition <=6°C

The typical sample temperature criteria (except for metals by ICP, GFAA and AA and a wery 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

B 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

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.) A J flag data qualifier indicates (as required under TNRCC-TRRP reporting requirements) that the raw calculated analyte concentration in the sample (uncorrected for

Comments pertaining to Data Qualifiers and QC data;

Parameter	Qualif	Qualif Comment
Вепхепе	7	Sec J-flag discussion above.
Ethylbenzene	ī	J See J. sing discussion above.
Notes:		
**************************************		

Page#: 3



744 8 78408 2209 N. Padre Island Dr., Corpus Christi, TX FAX (512) 447-4766 4221 Freidrich Lane, Suite 190, Austin, T (512) 444-5896

Report Date: 12/11/01

Project ID: Bob Durham EOT 2044C

Sample Name: MW 18 Sample Matrix: water

Report#/Lab ID#: 123041

Time: 10:00 Time: 13:15

Date Received: 11/27/2001 Date Sampled: 11/24/2001

Environmental Tech Group Address: 4600 West Wall Jason Henry Client: Atto:

Midland

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

79703 ×

REPORT OF ANALYSIS

REPORT OF ANALYSIS											1
							OUALITY	ASSUR,	ANCE DA	TAI	
Farameter	Result	Units	RQL 5	Blank	Date	Method 6	Data Onal 7 Proc 2 Recny 3 Cry4	Pres 2	Recny 3	CCVV4	5
Volatile organics-8260b/BTEX	-	* " ,			12/05/01	8760h					i
Вепрепе					10100	20070		:	:	ļ	
The later of the l	⊽	hg/L	<del></del>	⊽	12/05/01	8260b	7	1.4	91.6	96.4	,
	⊽	µg/L		⊽	12/05/01	8260h	1	00	101	0 00	
nı,p-Aylenes	~	1/011	-	ï	10.00	1 0 0		i 5	Ž	0.6	
io-Xylene	, -	) : )	н 1	7	10/00/71	90978	:	~	103.8	101.3	
Tolliene	₹ .	ug/L		⊽	12/05/01	8260b		1.3	103	100.6	
	⊽	µg/L		⊽	12/05/01	8260b	1	0	101.3	102.6	
								,		·	

103.9 107.2 103.8

100.2

676

CV4 LCS

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

Richard Laster

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



4221 Freidrich Lane, Suite 190, Austin, TX + 5744 & 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: Bob Durham EOT 2044C Sample Name: MW 18

Report#/Lab 1D#: 1230:11 Sample Matrix: water

# REPORT OF SURROGATE RECOVERY

3				
Surrogate Compound	Method	Recovery	Recovery Limit	Data Oualifiers
1.2 Dichlomathan 24				
1,4-12 TOTAL OCHIMING-04	8260b	115.4	80-120	i i
(1) Junean Ag				
ר מתכווכיתם	8260b	- 38.T	88-110	
			1	

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

Report #/Lab ID#: 123041 Matrix: water Project ID: Bob Durham EOT 2044C Client: Environmental Tech Group Sample Name: MW 18

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

A 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 I 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 I flag "hit" in such situations may be nothing more than background ion-fragment noise.)

Comments pertaining to Data Qualifiers and QC data;

	J See J-flag discussion above.			
Qualif Comment	Sec J-flag			
Quali	ſ			-
Parameter	Веплере	Notes:		

Page#: 3



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

Report Date: 12/11/01

Project ID: Bob Durham EOT 2044C

Sample Name: MW 19 Sample Matrix: water

Report#/Lab ID#: 123042

**Time:** 10:00 **Time:** 08:30

**Date Received:** 11/27/2001 **Date Sampled:** 11/24/2001

Client: Environmental Tech Group

Attn: Jason Henry
Address: 4600 West Wall

Midland

79703

Ä

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

### REPORT OF ANALYSIS

MELONI OF ANALYSIS							OUALITY ASSURANCE DATA!	ASSUR	NCEDA	TAI	
Parameter	Resuit	Units	RQL 5	Blank	Date	Method 6	Data Oual 7 Prec 2 Recov 3 CCV4	Prec 2	Record		1 664
Volatile organics-8260b/BTEX		:			12/06/01	8260b		1			נ נ
Веплеле	,										
Litrathona	⊽	T/8rl		⊽	12/06/01	8260b	-	5.5	93.2	94.5	94.2
	⊽	hg/L		⊽	12/06/01	8260b	ł	0.0	97.4	100.8	101
III, p. Aylenes	₹	hg/L		7	12/06/01	8260b	:	2.4	100.8	100.7	104.5
U-Aylene Tolucus	⊽	hg/L		⊽	12/06/01	8260b	1	3.1	99.4	9.66	101.7
Totalic	<	hg/L		⊽	12/06/01	8260b	!	4.4	102.1	100.9	102.8
			-							_	

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Respectfully Submitted,

liebard fast

Richard Laster

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



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

> Environmental Tech Group Jason Henry Client: Attn:

Project ID: Bob Durham EOT 2044C Sample Name: MW 19

Report#/Lab 1D#: 123042 Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Onalifiers
				(
1,2-Dichloroethane-d4	8260b	111.2	001108	
T. L Jo		)	071-00	
i oluelie-d8	8260b	102.4	88,110	1
			211.00	

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

Report #/Lab ID#: 123042 Matrix: water Project ID: Bob Durham EOT 2044C Client: Environmental Tech Group Sample Name: MW 19

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

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.) background levels/blanks and other potential sources of sampling and analytical contamination), though less than the Reported Quantitation Limit (RQL) is greater than the A J flag data qualifier indicates (as required under TNRCC-TRRP reporting requirements) that the raw calculated analyte concentration in the sample (uncorrected for

Comments pertaining to Data Qualifiers and QC data:

בייינים בייי	Qualif Comment	J Sec J-flag discussion above.	THE TAX PARTY OF THE TA	THE RESIDENCE OF THE PROPERTY
	Parameter	Benzenc	Notes:	



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

Report Date: 12/11/01

Project ID: Bob Durham EOT 2044C

Sample Name: MW 20 Sample Matrix: water

Report#/Lab ID#: 123043

**Time:** 10:00 Time: 09:00

Date Received: 11/27/2001

Date Sampled: 11/24/2001

Environmental Tech Group Jason Henry Client: Attn:

Address: 4600 West Wall

Midland

Phone:

915 522-1139

FAX: 915 520-4310

79703

REPORT OF ANALYSIS

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THEHIDELEE	Recult	[ mite	1						77.77	1	
Volatile practice of the territory	TIP CONT	CHILS	TACL.	Islank	Date	Method 6	Data Oual 7 Prec 2 Recov 3 Crev4 1 cc4	Prec 2	Record	POST	1001
Comme of Railles-97000/BIRX	;									ָ ע	100
1000000			1	;	10/50/71	8260b	,	1	1	}	
alizalia	~	1/011	-	,	10,000						;
Ethylbenzene	;	16/1	٦-	⊽	10/00/71	8260b	b-m3	<del>τ</del>	916	06.4	010
	⊽	115/F		7	10/20/01	10,700			;	j	11.7
m,p-Xylenes	Ĭ		• •	7	10/00/71	97979	1	0.2	101	8.66	103.9
O. Xvlene	<del>-</del>	hg/L		⊽	12/05/01	8260b	,	_	103.0	, , ,	
	⊽	1/011	_	7	10,000			-	0.001	101.5	10/1
Toluene	``	) <u>.</u>	٠,	7	10/0/71	g0978	;	ŭ.	103	100.6	103.8
	7	hg/L		<b>V</b>	12/02/01	8260h		ς	1013	7 601	0001
The same and the s		Ţ	1			,,,,,	1 2	>		10.50	7.007

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Richard Laster Richard

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7840408 4221 Freidrich Lane, Suite 190, Auslin, TX 2109 N. Padre Island Dr., Corpus Christi, TX (512) 444-5896 • FAX (512) 447-4766

> Environmental Tech Group Jason Henry Client: Attn:

Project ID: Bob Durham EOT 2044C Sample Name: MW 20

Report#/Lab ID#: 123043 Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound ,2-Dichloroethane-d4 foluene-d8	Method 8260b	Recovery 107.5	Recovery Limit 80-120	Data Qualifiers
	97079	L-24:V	88-110	

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

Report #/Lab ID#: 123043 Matrix: water Project ID: Bob Durham EOT 2044C Client: Environmental Tech Group Sample Name: MW 20

Altn: 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.

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J flag Discussion

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Comments pertaining to Data Qualifiers and QC data:

	AND THE PROPERTY OF THE PROPER		
COBIES.	ameler Qualif Comment	Benzene J See J-flag discussion above.	



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

Report Date: 12/11/01

Project ID: Bob Durham EOT 2044C

Sample Name: MW 21 Sample Matrix: water

Report#/Lab ID#: 123044 Environmental Tech Group Client:

Address: 4600 West Wall Jason Henry

Midland

79703

FAX: 915 520-4310

915 522-1139

REPORT OF ANALYSIS

Phone:

**OUALITY ASSURANCE DATA<sup>1</sup>** 

Time: 10:00 Time: 09:15

Date Received: 11/27/2001 Date Sampled: 11/24/2001

#### LCS4 89.2 85.7 83 Data Qual 7 | Prec. 2 | Recov. 3 | CCV4 6.68 94.6 94.8 90.3 91.2 91.4 86.2 87 661 5. 1.7 Method 6 8260b 8260b 8260b 8260b 8260b 8260b 12/06/01 12/06/01 12/06/01 12/06/01 2/06/01 12/06/01 Date Blank $\overline{\lor}$ $\overrightarrow{\nabla}$ $\forall \ \forall$ Ÿ ROL 5 Units μg/L ng/L µg/L rg/L 1/8rt Result 2 $\overline{\mathsf{v}}$ $\overline{\mathsf{v}}$ $\overline{\lor}$ Volatile organics-8260b/BTEX Ethylbenzene m,p-Xylenes Parameter o-Xylene Toluene Benzene

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Richard Laster Richard

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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

Environmental Tech Group Client; Atin:

Jason Henry

Project ID: Bob Durham EOT 2044C Sample Name: MW 21

Report#/Lab ID#: 123044 Sample Matrix: water

# REPORT OF SURROGATE RECOVERY

Surregate Commonna				
	Method	Recovery	Recovery Limit	Data Oualifiers
1,2-Dicilioroethane-d4	8260h	7 00		
Tolhene, 48	20070	0.66	80-120	-
	8260h	701	0.1	•
		5	011-09	

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

Report #/Lab ID#: 123044 Matrix: water Project ID: Bob Durham EOT 2044C Client: Environmental Tech Group Sample Name: MW 21

Attn: Jason Henry

Sampie 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.

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□ Sample received in inappropriate container(s) and or with unknown state or preservation.

□ Sample received in the order or with unknown state or preservation.

□ Sample received in the order or with unknown state or preservation.

□ Sample received in the order or with unknown state 
J flag Discussion

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Comments pertaining to Data Qualifiers and OC data:

מייייייייייייייייייייייייייייייייייייי	Qualif Comment	J See J-flag discussion above.		
	Forameter	Ethylbenzenc	Notes:	



4221 Freidrich Lane, Suite 190, Austin, TX 8744 & 2209 N. Padre Island Dr., Corpus Christi, TX 78408 (512) 444-5896 • FAX (512) 447-4766

Report Date: 12/11/01

Project ID: Bob Durham EOT 2044C

Sample Name: MW 22 Sample Matrix: water

Report#/Lab ID#: 123045

**Time:** 10:00

**Date Received:** 11/27/2001 **Date Sampled:** 11/24/2001

Client: Environmental Tech Group
Attn: Jason Henry

Address: 4600 West Wall

Midland

79703

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Phone: 915 522-1139 FAX

1139 FAX: 915 520-4310

REPORT OF ANALYSIS

Volatile organ

Parameter

Ethylbenzene m.p-Xylenes

Benzene

o-Xylene

Toluene

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	Result	Units	ROL 5	Rlank	Date	Mothed	7. 0.40	•	2		
anive_8260b/PrFBV					7.00	Mernag	Data Qual '  Prec.*   Kecov.   CCV*   LCS*	Frec."	Kecov.	CC	LCS.
ביינים מלחמת חודע	:	1	-	!	12/06/01	8260b					
	7	1/	-								
4	<del>,</del>	Hg/L		⊽	12/06/01	. 92928	:	5.5	93.7	\$ 70	0.70
13	⊽	ug/L		⊽	10/90/61	402C0		1 0	1:00	?	2.1.7
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	7	TEN.	-	V	15/06/01	8260b	1	2.4	8 001	200	2 70
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	7	3 .		,	10/00/21	97979	,	 	99.4	9.66	101.7
	7	hg/L	<b></b>	7	12/06/01	8260b	;	44	107	000	10.0
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report is respectfully culturisted by Applicant The	F							7			

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Respectfully Submitted,

Richard Part

Richard Laster

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



4221 Freidrich Lane, Suite 190, Austin, TX 2744 & 2209 N. Padre Island Dr., Corpus Christi, TX 7840408 (512) 444-5896 • FAX (512) 447-4766

Environmental Tech Group Jason Henry Client: Attn:

Project ID: Bob Durham EOT 2044C Sample Name: MW 22

Report#/Lab ID#: 123045 Sample Matrix: water

# REPORT OF SURROGATE RECOVERY

Brrnoate Compound				
	Method	Recovery	Recovery Limit	Data Oualifiers
,2-Dichloroethane-d4	30000	2000		,
	97900	108.7	80-120	t 1
ordene-d8	8260h	1000	000	
	00070	100.9	88-110	

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



2209 N. Padre Island Dr., Corpus Christi, TX 78408 4221 Freidrich Lane, Svite 190, Austin, TX FAX (512) 447-4766 (511) 444-5896

Report Date: 12/11/01

Project ID: Bob Durham EOT 2044C

Sample Name: MW 24 Sample Matrix: water

Report#/Lab ID#: 123046

Time: 10:00

Date Received: 11/27/2001 Date Sampled: 11/24/2001

79703 ΙX Environmental Tech Group Address: 4600 West Wall Jason Henry Midland Client: Attn:

Phone: 915 522-1139

FAX: 915 520-4310

### REPORT OF ANALYSIS

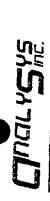
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TAI	27.4	Pr.OJ	)	,		2 70	5	1008	2	1007		9.66	3	100.9
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	,	Method "		8260b		8260b		8260b	10700	82000	AU7CO	97079	8260h	2
		Date		10/00/71		17/06/01	,0,0,0,	10/00/71	10/0/0/01	10/00/71	10/90/61	10/00/21	12/06/01	
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	Result		;		⊽	;	V	•	⊽	,	7	7	7	
Domina	י או מוווכוכל	Volatile graning 00/01 (pare)	Value of Replica-92000/B1EX	Donators	חמוניבווב	Ethylhenzene		m,p-Xylenes		0-Xylene		1 0(ปรก		The second leading of

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Richard Late Respectfully Submitted,

Richard Laster

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



4221 Freidrich Lane, Suite 190, Austin, TX 4 & 2269 N. Padre Island Dr., Corpus Christi, TX 7846408 (512) 444-5896 • FAX (512) 447-4766

Environmental Tech Group Client: Attn:

Jason Henry

Project ID: Bob Durham EOT 2044C Sample Name: MW 24

Report#/Lab ID#: 123046 Sample Matrix: water

REPORT OF SURROGATE RECOVERY

	very Recovery Limit Data Ousliffe	00:00	071-09   1.01	00.5	7
	Method Reco	8260h	<b>-</b>	8260b 1 10	-
J. 1	Surrogate Compound	1,2-Dichloroethane-d4	Toluene.d8		

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



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

Report Date: 12/11/01

Project ID: Bob Durham EOT 2044C

Sample Name: MW 25 Sample Matrix: water

Report#/Lab ID#: 123047

Time: 10:00

Date Received: 11/27/2001 Date Sampled: 11/24/2001

79703 ĭ Environmental Tech Group Address: 4600 West Wall Jason Hemy Midland Client: Attn:

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

Phone:

### REPORT OF ANALYSIS

CICLANIA CONTRACTOR							OHALITY ASSTRANCE DATA	ASSIIR	NOTE D	TAI	
Parameter	Result	Units	ROI S		Date	y 11 - 14				,	
Volatile promise 0000 Journey			77.7	DIMIIN	Date	Method "	Data Qual '   Prec. 4   Recov. 3   CCV4   I, CS4	Prec. 4	Kecov.3	CCV4	LCS
D. Commercial Sentices - 0.2000/D.J.E.A.		1	*	;	12/06/01	8260b		i		:	;
penzene	`	""	-								
Hihvihenzen	7	hg/L		⊽	12/06/01	8260b		5.5	93.2	94.5	94.2
	⊽	µg/L	_	⊽	12/06/01	8260h	1	0	7 00	20.00	
m,p-Aylenes	7	1/5:	-	7				,	ŗ	0.50	101
o-Xylene	; ;	ugu.	<del>-</del>	⊽	10/90/7.1	8260b	:	2.4	100.8	100.7	104.5
Toluene	⊽ -	µg/L	<del></del> -	⊽	12/06/01	8260b	!	3.7	99.4	93.6	101.7
	<	Hg/L		⊽	12/06/01	8260b	1	<u>v</u> .	102.1	100	102 g
		***************************************					_	***		`	1

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Respectfully Submitted,

Richard farter

Richard Laster

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4221 Freidrich Lane, Suite 190, Austin, TX 44 & 2209 N. Padre Island Dr., Corpus Christi, TX 7840408 (512) 444-5896 FAX (512) 447-4766

Environmental Tech Group Client: Attn:

Jason Henry

Project ID: Bob Durham EOT 2044C Sample Name: MW 25

Report#/Lab ID#: 123047 Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrence C.				
Surrogale Compound	Method	Recovery	Recovery Limit	Data Qualifier
1,2-Ulcinoroethane-d4	8260b	1123	80.120	
Toluene-d8	40700	1 70	. 071-00	† 1
	00070	£.501	88-110	;

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

Exceptions Report:

Report #/Lab ID#: 123047 Matrix: water Project ID: Bob Durham EOT 2044C Client: Environmental Tech Group Sample Name: MW 25

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.

C Sample received in appropriate container(s). State of sample preservation unknown.

J flag Discussion

A I fing 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 I flag "hit" in such situations may be nothing more than background ion-fragment noise.)

Comments pertaining to Data Qualifiers and QC data:

			A SACRATE AND A	
Qualif Comment	J See J-flag discussion above.			
Parameter	Вепусае	Notes:	The state of the s	The state of the s



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

Report Date: 12/11/01

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

Midland

ĭ

FAX: 915 520-4310 915 522-1139

Project ID: Bob Durham EOT 2044C Report#/Lab ID#: 123048

Sample Name: MW 26

Sample Matrix: water

Time: 10:00 Date Received: 11/27/2001

Time: 13:45 Date Sampled: 11/24/2001

#### REPORT OF ANALYSIS

Phone:

REPORT OF ANALYSIS							OUALITY ASSURANCE DATA	ASSUR/	NCE DA	TAI	
Parameter	Resuit	Units	RQL 5	Blank	Date	Method 6	Data Qual 7 Prec. 2 Recov. 3 CCV4 LCS4	Prec.2	Recor.3	CCV4	LCS4
Volatile organics-8260b/BTEX		2 2 2			12/06/01	8260b		:		†	;
Benzene	V	hg/L	-	7	12/06/01	8260b		5.5	93.2	94.5	94.2
Eurymenzene	⊽	ηg/L		⊽	12/06/01	8260b	-	6.0	97.4	100.8	101
m,p-Aylenes	⊽	ηg/L	<del></del>	⊽	12/06/01	8260b		2.4	100.8	100.7	104.5
V-Ayrene	⊽	µg/L		⊽	12/06/01	8260b		3.1	99.4	9.66	101.7
າດເພຣາກອ		T/8ri	(	⊽	12/06/01	8260b	1	4.4	102.1	6.001	102.8
										_	

publication may be reproduced or transmitted in any form or by any means without the This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the malytical 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 Respectfully Submitted, express written consent of AnalySys, Inc.

Richard Laster Richard of

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4221 Freidrich Lane, Suite 190, Austin, TX 44 & 2209 N. Padre Island Dr., Corpus Christi, TX 7840408 (512) 444-5896 • FAX (512) 447-4766

Environmental Tech Group Client: Attn:

Jason Henry

Project ID: Bob Durham EOT 2044C Sample Name: MW 26

Report#/Lab ID#: 123048 Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Oualifiers
1 2 5 1 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2				) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) (
1,2-Dichloroethane-d4	8260h	1132	001 08	
W. U 40	)	7:51	077-00	-
i otuene-as	8260b	00 7	88.110	
		<u>.</u>	017-00	1

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



4221 Freidrich Lane, Suite 190, Austin, 7 8744 & 2209 N. Padre Island Dr., Corpus Christi, TX 78408 (512) 444-5896 • FAX (512) 447-4766

Report Date: 12/11/01

Project ID: Bob Durham EOT 2044C

Sample Name: MW 27 Sample Matrix: water

Report#/Lab ID#: 123049

**Time:** 10:00 **Time:** 13:30

**Date Received:** 11/27/2001 **Date Sampled:** 11/24/2001

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

Midland

Phone: 915 522-1139 FA3

FAX: 915 520-4310

79703

ĭ

# REPORT OF ANALYSIS

Parameter			,				OUALITY ASSURANCE DATA	ASSUR,	ANCE DA	LTA 1	
	Kesuit	Units	RQL 5	Blank	Date	Method 6	Data Oual 7 Prec. 2 Recov. 3 Cr.v4 11 Cc4	Prec 2	Recov.3	Cr.V4	1 Ce4
Volatifie organics-8260b/BTEX	-			77.0	12/06/01	8260b		3			
	``	1,	-								!
ifivihenzene	7	HB/L		⊽	12/06/01	8260b	:	5.5	93.2	94.5	94.2
m n. Vulener	₹	hg/L		⊽	12/06/01	8260b	1	6.0	97.4	8 50	Ξ
2	⊽	rig/L		⊽	12/06/01	8260b	:	2,4	100.8	1007	104 5
	⊽ -	Hg/L		⊽	15/06/01	8260b	:	3.1	99.4	9.66	101.7
	⊽	μg/L		⊽	12/06/01	8260b	f I	4.4	102.1	100.9	102.8

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Respectfully Submitted, Richard Latte

Richard Laster

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744 & 7840408 4221 Freidrich Lane, Sulte 190, Austin, T 2209 N. Padre Island Dr., Corpus Christi, P. (512) 444-5896 • FAX (512) 447-4766

> Environmental Tech Group Client: Attn:

Project ID: Bob Durham EOT 2044C Sample Name: MW 27

Report#/Lab 1D#: 123049 Sample Matrix: water

> REPORT OF SURROGATE RECOVERY Jason Henry

Recovery Limit Data Qualifiers 80-120 88-110 Recovery 107.6 105.8 Method 8260b 8260b Surrogate Compound 1,2-Dichloroethane-d4 Toluene-d8

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



8744 & 2209 N. Padre Island Dr., Corpus Christl, TX 78408 FAX (512) 447-4766 4221 Freidrich Lane, Suite 190, Austin, TR (512) 444-5896

Report Date: 12/11/01

Project ID: Bob Durham EOT 2044C

Sample Name: MW 29 Sample Matrix: water

Report#/Lab 1D#: 123050

Time: 10:00 Time: 09:45

Date Received: 11/27/2001 Date Sampled: 11/24/2001

Environmental Tech Group Client: Attn:

Address: 4600 West Wall Jason Henry

Midland

FAX: 915 520-4310 915 522-1139

79703 ĭ

### REPORT OF ANALYSIS

Phone:

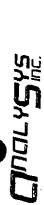
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rarameter	Result	Units	S IOR	Rlonk	2	9 5 - 17 - 18		•	•		
Volatile organica occos marry			7	DIABLE	Date	Meinoa :	Data Qual '  Prec. *   Recov.   CCV *   LCS 4	Prec.*	RCCOV.	, CC	CST
Totalic organics-92000/b1 E.A.	-	į	:	1 1	12/06/01	8260b		;	1		
Benzene	,	1/									
Rebush	7	T/BH	<b>-</b>	7	12/06/01	8260b	-	5.5	93.2	94 5	94.2
	⊽	ηg/L	-	⊽	12/06/01	8260h		0.0	0.7 4	0 001	1 2
n),p-Xylenes	7	1/01.	-	•				) -	†. 	100.0	151
n. Xviene	7	7/8rd	-	Ţ Ņ	[7/00/0]	82 <del>6</del> 0b		2.4	100.8	100.7	101.5
Toliene	⊽ `	HB/L	••••	⊽	12/06/01	8260b	\$ 6 1	3.1	99.4	9.66	101.7
	V	hg/L	-	₹	12/06/01	8260b	;	4.4	102.1	100.9	102.8

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Richard

Richard Laster

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Olient: Environmental Tech Groun

Environmental Tech Group Jason Hemy

Attn:

Project ID: Bob Durham EOT 2044C Sample Name: MW 29

Report#/Lab 1D#: 123050 Sample Matrix: water

44 & 7840408

422 J Freidrich Lane, Suite 190, Austin, TX 220 9 N. Padre Island Dr., Corpus Christi, TX (512) 444-5896 • FAX (512) 447-4766

REPORT OF SURROGATE RECOVERY

Method Recovery Recovery Limit   Data Q	8260b 113.5 80-120	8260b 100.9 88-110 ·
Surrogale Compound	Television of the contract of	1 Ordens-d8

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

Exceptions Report:

	Attn: Jason Henry	(Horse control of the		
Report #/Lab ID#: 123050 Matrix: water	Client: Environmental Tech Group	Project ID: Bob Durham EOT 2044C	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 proclading 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

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.) A J flag data qualifier indicates (as required under TNRCC-TRRP reporting requirements) that the raw calculated analyte concentration in the sample (uncorrected for

Comments pertaining to Data Qualifiers and QC data:

ייים לכ מפופי	Qualif Comment	J See J-tlag discussion above.		And the second s	the state of the s	
	Parameter 0.	Всп2еис	Notes:	White the same of	<del></del>	And the second s

Page#: 3



18744 & 2209 N. Padre Island Dr., Corpus Christi, TX 78408 FAX (512) 447-4766 4221 Freidrich Lane, Suite 190, Austin, TN (512) 444-5896

Report Date: 12/11/01

Project ID: Bob Durham EOT 2044C

Sample Name: MW 30 Sample Matrix: water

Report#/Lab ID#: 123051

Time: 10:00 **Time:** 10:00

Date Received: 11/27/2001 Date Sampled: 11/24/2001

Environmental Tech Group Jason Henry Client: Attn:

Address: 4600 West Wall

Midland

FAX: 915 520-4310 915 522-1139

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#### REPORT OF ANALYSIS

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Edivibenzene		j i		7	10/00/71	8260b	<u> </u>	5.5	93.2	94.5	94.7
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0-Xylene	; 7	) . )		7	12/00/01	8760b		2.4	8.001	100.7	104.5
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Richard

Richard Laster

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

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That YSYS

Environmental Tech Group Jason Henry Client: Atin:

Project ID: Bob Durham EOT 2044C Sample Name: MW 30

Report#/Lab ID#: 123051 Sample Matrix: water

# REPORT OF SURROGATE RECOVERY

Contraction					
our ogaic Compound	Method	Recovery	Recovery I imit	Data Gualifiane	
			ויייים לוחורים	CHIER KINGITICIS	
1,4-Dicilioroethane-d4	8260h	106.0	001.00		
Tolium 40	)	1	071-00		
י חותפוזכ-חס	8260b	104	88.110		
			211		

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

#### Exceptions Report:

Attn: Jason Henry Matrix: water Project ID: Bob Durham EOT 2044C Client: Environmental Tech Group Report #/Lab ID#: 123051

Sample Name: MW 30

# 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 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, Cleanple received in appropriate container(s). State of sample preservation unknown.

Cleanple 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:

	And the second s			
Qualif Comment	See J. flag discussion above.			والمراجعة
Qual	Ţ			
Parameter	Вспzене	Notes:		



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

Report Date: 12/11/01

Project ID: Bob Durham EOT 2044C

Sample Name: MW 31 Sample Matrix: water

Report#/Lab ID#: 123052

Time: 10:00

Date Received: 11/27/2001 Date Sampled: 11/24/2001

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

Midland

915 522-1139 Phone:

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FAX: 915 520-4310

### REPORT OF ANALYSIS

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rarameter	•	11-11									
	Westill.	Cuits	KOL.	Blank	Date	Method	Data Onel 7 Dres 2 Daner 3 Can 4 1 cad	Dron 2	Danny 3	4/100	1004
Volatile organics-8260h/BTFIX						30000	ביווים לתשו			(	(2)
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m.p.Xylenes		i i	•	7	10/00/21	97978		6.0	97.4	8.00	101
	√	hg/L		V	12/08/01	40768		,		1 (	
0-Xylene	7	/61.	-	, .	100011	05000	;	7.7	100.8	100.7	104.5
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Richard Laster

Richard Laster

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

Environmental Tech Group Client: Attn:

Jason Henry

Project ID: Bob Durham EOT 2044C Sample Name: MW 31

Report#/Lab ID#: 123052 Sample Matrix: water

REPORT OF SURROGATE RECOVERY

surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	109.4	80-120	1-4
Foluene-d8	8260b	103.8	88-110	į
	_		2	

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

Exceptions Report:

Attn: Jason Henry Report #/Lab ID#: 123052 Matrix: water Project ID: Bob Durham EOT 2044C Client: Environmental Tech Group 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

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Sample received in inappropriate container(s) and/or with unknown state of preservation.

J flag Discussion

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Comments pertaining to Data Qualifiers and QC data:

		iscussion above.		
S. Carlot	Parameter Qualif Comment	Ethylbenzene J See J-flag discussion above.	Notes:	

Page#: 3



8744 & 2209 N. Padre Island Dr., Corpus Christi, TX 78408 FAX (512) 447-4766 4221 Freidrich Lane, Suite 190, Aastin, 'A (512) 444-5896

Report Date: 12/11/01

Time: 10:00 Time: 10:30

Date Sampled: 11/24/2001

Project ID: Bob Durham EOT 2044C Date Received: 11/27/2001 Report#/Lab 1D#: 123053 Sample Name: MW 33 Sample Matrix: water 79703 FAX: 915 520-4310 Environmental Tech Group Address: 4600 West Wall Phone: 915 522-1139 Jason Henry Midland Client: Attn:

REPORT OF ANALYSIS

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Benzene	-	1/									
Fihulhenzene	7	₽8/L	٦	<b>V</b>	12/06/01	8260b		5.5	93.2	2 75	94.2
	⊽	µg/L	_	<b>∀</b>	12/06/01	8260h			7 7	200	1 2
m,p-Aylenes	7	3/211	•		10000	00070		ر در	4.7	200.8	=======================================
o-Xylene	; ;	1 /8/1	<b>-</b>	₹	10/90/71	8260b	1 .	2.4	100.8	100.7	104.5
Politica	7	HB/L	<del>-</del>	⊽	12/06/01	82606	: -	3.1	99.4	9 66	1017
	<b>V</b>	µg/L		⊽	12/06/01	8260b		4.4	102.1	100 9	102.8

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Richard Laster

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4221 Freidrich Lane, Suite 190, Austin, TX 744 & 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: Bob Dutham EOT 2044C
Sample Name: MW 33

Report#/Lab ID#: 123053
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Director Comments				
arrogare Compound	Method	Recovery	Recovery Limit	Data Qualifiers
,²-Dichloroethane-d4	8260h	1155	00 100	
oluene-d8		7.7.7.	077-00	j j i
	8260b	8.86	88-110	•

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



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

Report Date: 12/11/01

Project ID: Bob Durham EOT 2044C

Sample Name: MW 34 Sample Matrix: water Time: 10:00

Date Received: 11/27/2001 Date Sampled: 11/24/2001

Report#/Lab ID#: 123054

Environmental Tech Group Jason Henry Client: Atin:

Midland

Address: 4600 West Wall

79703

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FAX: 915 520-4310

915 522-1139

### REPORT OF ANALYSIS

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SSCR		Prec.2		í		5.5	•	6.0	1	2.4			,	4.4
CUALITY ASSURANCE DATA	1.7	Data Qual 7 Prec. 2 Recov 3 CCV4   1 CS4		;		-		;				1		:
		Method o		8260b		8260b		8.2606	10,000	97978	10200	00079	8250h	0000
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Richard Last

Richard Laster

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4221 Freidrich Lane, Saite 190, Austin, TX 3744 & 2209 N. Padre Island Dr., Corpus Christi, TX 7840408 (512) 444-5896 FAX (512) 447-4766

Client: Environmental Tech Group Attn:

Jason Henry

Sample Name: MW 34

Project ID: Bob Durham EOT 2044C

Report#/Lab ID#: 123054 Sample Matrix: water

# REPORT OF SURROGATE RECOVERY

Surrogate Compound	Mathod	Donorion	71 - 1	
	DOTTO	Mercare	Recovery Limit	Data Qualitiers
1,2-Dichloroethane-d4	8260b	1116	80-120	
Tolingon do		)	071-00	
ו סותכוזכ-תס	8260b	100.4	88-110	:
			21.00	

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

Exceptions Report:

Attn: Jason Henry Report #/Lab ID#: 123054 Matrix: water Project ID: Bob Durham EOT 2044C. Client: Environmental Tech Group 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 leniperature 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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 Sample received in inappropriate container(s) and/or with unknown state of preservation.

J flag Discussion

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Comments pertaining to Data Qualifiers and QC data;

Qualif Comment	J Sec J-flag discussion above.	AND THE RESERVE OF THE PROPERTY OF THE PROPERT	The second secon	
Parameter Qual	Вепгене	Notes:		



4221 Freidrich Lane, Suite 190, Austin, T. 8744 & 2209 N. Padre Island Dr., Corpus Christi, TX 78408 (512) 444-5896 FAX (512) 447-4766

Report Date: 12/11/01

Project ID: Bob Durham EOT 2044C

Sample Name: MW 35 Sample Matrix: water

Report#/Lab ID#: 123055

**Time:** 10:00 **Time:** 12:30

Date Received: 11/27/2001 Date Sampled: 11/24/2001

Client: Environmental Tech Group

Attn: Jason Henry

Address: 4600 West Wall

Midland

Tx 79703

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

REPORT OF ANALYSIS

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CITTE	RVL	Biank	Date	Method 6	Data Oual 7	Prec. 2	Recov.3	47.7 4	1004	
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	!	ţ	17/06/01	8260b	:	i	1			
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T/Srd		⊽	12/06/01	8260b	1	5.5	93.2	\$ 50	04.0	
1/6/1		``	10/0/01	:0/00		}		,	1	
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) : ) :	4 +	7	10/00/71	8760b	1	3.1	99.4	9.66	1017	
T/Srd		⊽	12/06/01	8260h		7	5	3		
						t T	102.1	7.00	102.8	
	Hg/L hg/L hg/L hg/L hg/L hg/L	Hg/L Hg/L Hg/L Hg/L Hg/L	Hg/L 1	Hg/L 1 <1   1   1   1   1   1   1   1   1	нg/L         1         12/06/01           нg/L         1         <1	нg/L         1         <1         12/06/01         8260b           нg/L         1         <1         12/06/01         8260b	нg/L         1         <1         12/06/01         8260b           нg/L         1         <1         12/06/01         8260b	нg/L         1         <1         12/06/01         8260b           нg/L         1         <1         12/06/01         8260b	нg/L         1         <1         12/06/01         8260b           нg/L         1         <1	Hg/L   1   12/06/01   8260b     5.5   93.2   Hg/L   1   <1   12/06/01   8260b     5.5   93.2   Hg/L   1   <1   12/06/01   8260b     5.4   100.8   Hg/L   1   <1   12/06/01   8260b     2.4   100.8   Hg/L   1   <1   12/06/01   8260b     3.1   99.4   Hg/L   1   <1   4.4   4.4   4.4   4.5

This tunalytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carcfully 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 Later

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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

Environmental Tech Group Client: Attn:

Jason Henry

Project ID: Bob Durham EOT 2044C

Report#/Lab ID#: 123055 Sample Matrix: water

Sample Name: MW 35		Recovery Recovery Limit Data Qualifiers	T	110.2 80-120	104.1 88-110
		Method	10200	00070	8260b
VALUE AND THE PROPERTY OF THE	REPORT OF SURROGATE RECOVERY	Surrogate Compound	2,2 Dichlofoethane-d4	Tolnens do	0n-arana

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



78744 & 2209 N. Padre Island Dr., Corpus Christi, 1X 78408 4221 Freidrich Lanc, Suite 190, Austin, TX FAX (512) 447-4766 (512) 444-5896

Report Date: 12/11/01

Project ID: Bob Durham EOT 2044C

Sample Name: MW 36 Sample Matrix: water

Report#/Lab ID#: 123056

Тіте: 10:00 Time: 12:00

Date Received: 11/27/2001 Date Sampled: 11/24/2001

Environmental Tech Group Client: Attn:

Address: 4600 West Wall

Jason Henry

Midland

79703

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FAX: 915 520-4310

915 522-1139 Phone:

REPORT OF ANALYSIS

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Richard

Richard Laster

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4221 Freidrich Lane, Suite 190, Austin, T. 18744 & 2209 N. Padre Island Dr., Corpus Christi, TX 7840408 (512) 444-5896 • FAX (512) 447-4766

Environmental Tech Group Jason Henry Client: Aiin:

Project 1D: Bob Durham EOT 2044C Sample Name: MW 36

Report#/Lab ID#: 123056 Sample Matrix: water

# REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichlorocthane-d4	8260b	111.5	80-120	
Toluene-d8	8260b	104	88-110	!

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



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

Report Date: 12/11/0]

Project ID: Bob Durham EOT 2044C

Report#/Lab ID#: 123057

Time: 10:00 Time: 14:15

Date Received: 11/27/2001 Date Sampled: 11/24/2001

Sample Name: EB 1 Sample Matrix: water

Client: Environmental Tech Group
Attn: Jason Henry

Address: 4600 West Wall

Midland

79703

Ľ

Phone: 915 522-1139 FAX:

FAX: 915 520-4310

REPORT OF ANALYSIS

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0-Xylene	7			;	10/00/21	00079	:	2,4	8.001	100.7	104.5
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This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carcifully 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.'s Quality Assurance/Quality Control Program. © publication may be reproduced or transmitted in any form or by any means without the express written consent of AnalySys, Inc.

Respectfully Submitted,

Richard Part

Richard Laster

of the relative percent (%) difference between duplicate measurements. 3. Recovery (Recov.) is the percent (%) of analyte I. Quality assurance data is for the sample batch which included this sample. 2. Precision (PREC) is the absolute value 4. Calibration Verification (CCV) and Laboratory Control Sample (LCS) results are dilutions. 7. Data Qualifiers are I = analyte potentially present between the PQL and the MDL. B =Analyte detected in typically denote USEPA procedures. Less than ("<") values restect nominal quantitation limits adjusted for any required recovery exceeds advisory limit. S3 =MS and/or MSD and PDS recoveries exceed advisory limits. P =Precision higher 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 associated method blunk(s). S1 =MS and/or MSD recovery exceed advisory limits. S2 =Post digestion spike (PDS) than advisory limit. M=Matrix interference. recovered from a spiked sample.



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

Environmental Tech Group Client: Atta:

Project ID: Bob Durham EOT 2044C

Report#/Lab 1D#: 123057 Sample Matrix: water

Jason Henry

	Data Oualifiers		
e: EB 1	Recovery Limit   Data Qualifiers	80-120	88-110
Sample Name; EB 1	Recovery	109.4	104.2
	Method	8260b	8260b
REPORT OF SURROGATE RECOVERY	12 Disheret Compound	Tolishe de	On-olonio

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

## CHAIN OF CUSTODY

10/2	שמשות השוש	4221 Freidrich Lane, Suite 190, Austin, TX 78744	Phone: (512) 444-5896 Fax: (512) 447-4766	1000	Anglyces Requested (1)	Please atlach explanatory information as required		
		Bill to (if different):	Address	City State Zip	ATTN:	Phone Fax	0	(Answer Lane)
	CHAIN-OF-CUSTODY	Send Reports To:	Address 4600 West LUMLL	City M. DLAND State 7 Lip 79703	ATTN - ASON HENRY	Phone 415/572 /139 Fax (915) 5AB-4310	Rush Status (must be confirmed with lab mgr.):	Project Name/PO#; 808 Dulyn Sampler

roject Name/PO#: Rol Dur HAM Sample	DURHA	PUNHAM Sample			Love Const	7		Ì	12						·
E01 28	2044 C		<b>}</b> :	17.77	3	<b>)</b>		/-	<u></u>						
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[Tendering of above described samples to AnalySys, Inc. for analytical testing constitutes agreement by buyer/sampler to AnalySys, Inc.'s standard terms.]



### CITAIN-OF-CUSTODY

	Bill to (if different):	Company Name 60// Address	City State Zip	ATTN: Fax
( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( )	Send Reports To:	Address 4600 10 100	City Milledate State 71 Zip 79703	Phone 915/572 1/39 Fax (915) 520-4310 Phone

200	<b>1</b> 00/4 <b>2</b> 0/5	4221 Freidrich Lane Snite 19th Austin TV 297

4221 Freidrich Lause, Suite 190, Austin, TN 78744 Phone: (SL2) 444-5896 Fax; (SL2) 447-4766

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

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[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: Ken Dutton
Address: 2540 W. Marland

Hobbs, Phone: 505 397-4882 FAX: 50

FAX: 505 397-4701

NM 88240

Project 1D: Bob Durham EOT 2044C
Sample Name: MW 3
Sample Matrix: water
Date Received: 03/28/2002 Time

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

Report Date: 04/03/02

Report#/Lab 1D#: 127349

Date Sampled: 03/25/2002 Time: 13:05

Time: 09:33

Prec. 2 Recov.3 CCV4 LCS4

Data Qual 7

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**OUALITY ASSURANCE DATA!** 

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Units ng/L µg/L <u>1</u> μg/L ng/L Result 16.4 18.6  $\nabla \nabla$ Volatile organics-8260b/BTEX REPORT OF ANALYSIS Ethylbenzene m,p-Xylenes Parameter o-Xylene Toluene Benzene

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Respectfully Submitted, Richard Laster

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4121 Freidrich Lane, Suite 190, Austin, TX 78744 & 1209 N. Padre Island Dr., Corpus Christi, TX 7840408 (512) 444-5896 FAX (512) 447-4766

Client: Environmental Tech Group
Attn: Ken Dutton

Project ID: Bob Durham EOT 2044C Sample Name: MW 3

Report#/Lab ID#: 127349 Sample Matrix: water

# REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	100	80-120	770
Toluene-d8	8260b	92.7	88-110	•

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

#### Exceptions Report:

Attn: Ken Dutton Report #/Lab ID#: 127349 Matrix: water Project 1D: Bob Durham EOT 2044C Client: Environmental Tech Group Sample Name: MW 3

Sample Temperature/Conditton <=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

M Sample received in appropriate container(s) and appear to be appropriately preserved.

Cl Sample received in appropriate container(s). State of sample preservation unknown.

Cl Sample received in inappropriate container(s) and/or with unknown state of preservation.

J flag Discussion

background levels/blanks and other potential sources of sampling and analytical contamination), though less than the Keported 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.) A I flag data qualifier indicates (as required under TNRCC-TRRP reporting requirements) that the raw calculated analyte concentration in the sample (uncorrected for

Comments pertaining to Data Qualifiers and QC data;

	on above.			
Qualif Comment	See J-flag discussion above.			
Qualit	J			
Parameter	o-Xylene	Notes:		

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

Report Date: 04/03/02

Time: 09:33 Time: 10:05

Date Received: 03/28/2002 Date Sampled: 03/25/2002

Project ID: Bob Durham EOT 2044C Report#/Lab ID#: 127350 Sample Matrix: water Sample Name: MW 9 NM 88240 Environmental Tech Group Address: 2540 W. Marland Ken Dutton Hobbs, Client: Attn:

REPORT OF ANALYSIS

505 397-4882

Phone:

FAX: 505 397-4701

109.5 102.7 97.4 LCS, 99.4 98.7 Prec. 2 Recov.3 CCV4 104.9 119.9 107.2 99.4 OUALITY ASSURANCE DATA<sup>1</sup> 101.9 100.4 104.1 98.9 113 4.6 5.4 Data Qual 7 Method 6 8260b 8260b 8260b 8260b 8260b 8260b 04/01/02 04/01/02 04/01/02 04/01/02 04/01/02 04/01/02 Date Blank  $\vec{\nabla}$  $\overline{\mathbf{v}}$  $\vec{\nabla}$  $\vec{\nabla}$ RQL<sup>5</sup> Units ng/L hg/L ng/L ng/L Hg/L Result  $\vec{\nabla}$  $\overline{\lor}$  $\vec{\mathsf{v}}$ ⊽ Volatile organics-8260b/BTEX Ethylbenzene m,p-Xylenes Parameter o-Xylene Toluene Вепzепе

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Richard Laster المرملاعيا

of the relative percent (%) difference between duplicate measurements. 3. Recovery (Recov.) is the percent (%) of aunityte 2. Precision (PREC) is the absolute value recovered from a spiked sample. 4. Calibration Verification (CCV) and Laboratory Control Sample (LCS) results are dilutions. 7. Data Qualifiers are I = analyte potentially present between the PQL and the MDL. B = Analyte detected in recovery exceeds advisory limit. S3 =MS and/σr MSD and PDS recoveries exceed advisory limits. P =Precision higher typically denote USEPA procedures. Less than ("<") values reflect nominal quantitation limits adjusted for any required 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 associated method blank(9). S1 =MS and/or MSD recovery exceed advisory limits. S2 =Post digestion spike (PDS) Quality assurance data is for the sample batch which included this sample. than advisory limit. M -Matrix interference.

4221 Freidrich Lane, Suite 190, Austin, TX 78744 & 2209 N. Padre Island Dr., Corpus Christl, TX 7846408 (512) 444-5896 • FAX (512) 447-4766

Environmental Tech Group Ken Dutton Client: Attn:

Project ID: Bob Durham EOT 2044C Sample Name: MW 9

Report#/Lab 1D#: 127350 Sample Matrix: water

# REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	104	80-120	
Toluene-d8	8260b	8.06	88-110	

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

#### Exceptions Report:

Attn: Ken Dutton Matrix: water Project ID: Bob Durham EOT 2044C Client: Environmental Tech Group Report #/Lab 1D#: 127350 Sample Name: MW 9

### 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

Na Sample received in appropriate container(s) and appear to be appropriately preserved. Desample 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

verified as to the presence and relative ratio of target ions (eg. the material causing the I flag "hit" in such situations may be nothing more than background ion-fragment noise.) 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 A J flag data qualifier indicates (as required under TNRCC-TRRP reporting requirements) that the raw calculated analyte concentration in the sample (uncorrected for

# Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Qualif Comment
Вепzепе	-	See J-flag discussion above.
Notes:		

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

Client: Environmental Tech Group Attn: Ken Dutton

Address: 2540 W. Marland

uress: 2540 W. Mariand Hobbs, Phone: 505 397-4882 FAX:

FAX: 505 397-4701

NM 88240

505 397-4882 FAX: 505 397-470

REPORT OF ANALYSIS

Report#/Lab 1D#: 127351 Report Date: 04/03/02
Project 1D: Bob Durham EOT 2044C
Sample Name: MW 10
Sample Matrix: water
Date Received: 03/28/2002 Time: 09:33
Date Sampled: 03/25/2002 Time: 11:10

Blank  $\overline{\mathsf{v}}$  $\overline{\mathsf{v}}$  $\overline{\mathsf{v}}$ ROL<sup>5</sup> Units μg/L ∏/ǵd ug/L ⊓g/L Result 29.2  $\overline{\mathbf{v}}$  $\overline{\mathsf{v}}$  $\vec{\mathsf{v}}$ Volatile organics-8260b/BTEX Ethylbenzene m,p-Xylenes Parameter o-Xylene Benzene Toluene

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04/02/02

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102.8

LCS4

Data Qual 7 Prec. 2 Recov. 3 CCV4

Method 6 8260b

Date

04/02/02

**OUALITY ASSURANCE DATA**1

110.4

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

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Respectfully Submitted,

Richard Laster

שויבור אלא

4221 Freidrich Lane, Sulte 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: Ken Dutton

Project 1B: Bob Durham EOT 2044C Sample Name: MW 10

Report#/Lab 1D#: 127351 Sample Matrix: water

# REPORT OF SURROGATE RECOVERY

S				
Sariogate Compound	Method	Recovery	Recovery Limit	Data Onalifiers
1 7 Diahlaman		,		CONTRACT CONTRACT
1,427Jicilloroemane-d4	82605	102	00.100	
£		707	071-00	1
Totnene-d8	8260h	7.10	00 110	
		71.1	277-00	1

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

#### Exceptions Report:

Attn: Ken Dutton Report #/Lab 1D#: 127351 Matrix: water Project ID: Bob Durham EOT 2044C Client: Environmental Tech Group Sample Name: MW 10

### 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

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.) A I flag data qualifier indicates (as required under TNRCC-TRRP reporting requirements) that the raw calculated analyte concentration in the sample (uncorrected for

Comments pertaining to Data Qualifiers and QC data:

יייי ליייייי ליייייי ליייייי לייייייי ליייייי	Qualif Comment	J See J-flag discussion above.	J See J-slag discussion above.			
) Y	Qualif Commen	J See J-flag	J See J-flag			
	Parameter	Ethylbenzene	m.p.Xylenes	Notes:		

Page#: 3

#### **7**000 8 95

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

Client: Environmental Tech Group Attn: Ken Dutton Address: 2540 W. Marland

Phone: 505 397-4882 FAX:

Hobbs,

FAX: 505 397-4701

NM 88240

Report#/Lab 1D#: 127352 Report Date: 04/03/02
Project ID: Bob Duham EOT 2044C
Sample Name: MW 11
Sample Matrix: water
Date Received: 03/28/2002 Time: 09:33

Date Sampled: 03/25/2002 Time: 10:45

LCS4

Data Qual 7 Prec. 2 Recov.3 CCV4

Method 6 8260b

Date

Blank

RQL<sup>5</sup>

Units

Result

04/01/02

1

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ASSURANCE DATA 1

OUALITY

REPORT OF ANALYSIS

Volatile organics-8260b/BTEX

Parameter

Ethylbenzene m,p-Xylenes

Benzene

O-Xylene <1 μg/L 1
Toluene <1 μg/L 1

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Respectfully Submitted, Richard Latter

Richard Laster

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

109.5

119.9

97.4

98

99.4 102.7

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104.1 98.9 113

8260b 8260b

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Hg/L

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8260b

8260b 8260b

98.7

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5.4 5.2 4.6

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

Environmental Tech Group Ken Dutton Client: Attn:

Project ID: Bob Durham EOT 2044C Sample Name: MW 11

Report#/Lab 1D#: 127352 Sample Matrix: water

# REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Oualifiers
1,2-Dichloroethane-d4	8260b	111	80-120	
Toluene-d8	8260b	92.8	88-110	£ 4

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

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

> NM 88240 Environmental Tech Group Address: 2540 W. Marland Ken Dutton Hobbs, Client: Aftn:

FAX: 505 397-4701 505 397-4882 Phone:

Report Date: 04/03/02 Time: 09:33 Project ID: Bob Durham EOT 2044C Date Received: 03/28/2002 Report#/Lab ID#: 127353 Sample Name: MW 13 Sample Matrix: water

OUALITY ASSURANCE DATA Time: 10:35 Date Sampled: 03/25/2002

LCS4

Data Qual 7 | Prec, 2 | Recov.3 | CCV4

103.9 100.7

102.4

100.3 103.8

95.3

3.6

103.5

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ì

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105.1

98.8

94.7

Method <sup>6</sup> 8260b 8260b 8260b 8260b 8260b 8260b 04/02/02 04/02/02 04/02/02 04/02/02 04/02/02 04/02/02 Date Blank  $\vec{\nabla}$  $\nabla$  $\nabla \nabla$ RQL<sup>5</sup> 9 Units HB/L HB/L ng/L μg/L 7/8nd Result 311 97.1 143  $\overline{\mathsf{v}}$  $\vec{\nabla}$ Volatile organics-8260b/BTEX REPORT OF ANALYSIS Ethylbenzene m,p-Xylenes Parameter o-Xylene Benzene Toluene

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Richard Lather Richard Laster

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	of the relative percent (%) difference between duplicate measurements. 3. Recovery (Recov.) is the nercent (%) of analyte
	recovered from a spiked sample. 4. Calibration Verification (CCV) and Laboratory Control Sample (LCS) results my
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	dilutions. 7. Data Qualifiers are J = analyte potentially present he tween the POL and the MDI B as A notice detected in
	associated method blank(s). SI =MS and/or MSD recovery exceed advisory limits. SJ = Poet dispersion, mike PD ex
	recovery exceeds advisory limit. S3 =MS and/or MSD and PDS recoveries exceed advisory limit. P = Precision limits and PDS recoveries exceed advisory limits.
	than advisory limit. M =Matrix interference

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

Client: Environmental Tech Group

Ken Dutton

Attn:

Project ID: Bob Durham EOT 2044C Sample Name: MW 13

Report#/Lab 1D#: 127353 Sample Matrix: water

# REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	118	80-120	
Toluene-d8	8260b	90.1	88-110	1
			_	

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

### 

4121 Freidrich Lane, Suite 190, Austin, TX 78744 & 2169 N. Padre Island Dr., Corpus Christi, TX 78408 (512) 444-5896 FAX (512) 447-4766

Report Date: 04/03/02

Project ID: Bob Durham EOT 2044C

Sample Name: MW 14 Sample Matrix: water

Report#/Lab 1D#: 127354

Time: 09:33 Time: 10:30

Date Received: 03/28/2002 Date Sampled: 03/25/2002

Client: Environmental Tech Group
Attn: Ken Dutton
Address: 2540 W. Mariand
Hobbs, NM 88240
Phone: 505 397-4882 FAX: 505 397-4701

REPORT OF ANALYSIS

Data Qual 7 | Prec. 2 | Recov. 3 | CCV4 104.9 107.2 119.9 99.4 88 **OUALITY ASSURANCE DATA!** 101.9 100.4 104.1 98.9 113 1 4,6 j Method ' 8260b 8260b 8260b 8260b 8260b 8260b 04/01/02 04/01/02 04/01/02 04/01/02 04/01/02 04/01/02 Date Blank  $\nabla \nabla \nabla$  $\overline{\vee}$ ⊽ ROL Units ∏/gπ hg/L ng/L ηg/L ng/L Result  $\overline{\mathsf{v}}$  $\overrightarrow{\mathsf{v}}$ v  $\vec{v}$ Volatile organics-8260b/BTEX Ethylbenzene m,p-Xylenes Parameter o-Xylene Benzene Toluene

LCS4

102.7

97.4

98.7 99.4 109.5

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Respectfully Submitted,

Richard Laster

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

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

Environmental Tech Group Ken Dutton Client: Attn:

Project ID: Bob Durham EOT 2044C Sample Name: MW 14

Report#/Lab ID#: 127354 Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Oualifiers
1,2-Dichloroethane-d4	8260b	95.4	80-120	
Toluene-d8	10,700		071-08	3 2 2
	97979	94.4	88-110	!

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

### 1701 4**5**45

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

Report Date: 04/03/02

Project ID: Bob Durham EOT 2044C

Sample Name: MW 15 Sample Matrix: water

Report#/Lab 1D#: 127355

Time: 09:33 Time: 11:00

Date Received: 03/28/2002 Date Sampled: 03/25/2002

Environmental Tech Group Address: 2540 W. Marland Ken Dutton Hobbs, Client: Attn:

505 397-4882 Phone:

FAX: 505 397-4701

NM 88240

REPORT OF ANALYSIS

ALL OF AIRALISIS							OUALITY ASSURANCE DATA!	ASSUR,	ANCE DA	TAI	
Parameter	Result	Units	ROL 5	Blank	Date	Method 6	Data Ougl 7 Page 2 Page 3 Cov4	D-0.2	Dornu 3	4700	1 ~
Volatile organice 82505/DTEV						Literiou	וקח ל חשו	rice.	ACCOVE		-
Circus a Sauca-02000/DICA	!		-		04/01/02	8260b	ļ	1	-	}	
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	V	ng/L	_	⊽	04/01/02	8260h		8	1010	107.2	i
Hithylhenzene	ī			. '		)	,	;	7.101	1. 2	
	7	TE/C		⊽'	04/01/02	8260h	1	2	100.4	7 00	
m.p-Xvlenes	7		•	•				·		77.4	
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o-Xylene	V	1/211	_	Ţ	00,00			!	-		•
·	 ;	1/2		7	04/07/07	82 <del>6</del> 0b	:	4.6	0 80	×	
loluene	V	1/20	-	•	20,10110			·	;	,	
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Richard Later 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: Ken Dutton

Project ID: Bob Durham EOT 2044C Sample Name: MW 15

Report#/Lab 1D#: 127355 Sample Matrix: water

# REPORT OF SURROGATE RECOVERY

Method Recovery Recovery Limit D	2	071-00	8260b 92.6 88-110
Surrogate Compound	1,2-Dichloroethane-d4	P. L	1 oinene-d8

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

#### Exceptions Report:

Attn: Ken Dutton Report #/Lab 1D#:127355 Matrix: water Project 1D: Bob Durham EOT 2044C Client: Environmental Tech Group Sample Name: MW 15

### Sample Temperature/Condition <=6°C

The typical sample temperature criteria (except for metals by ICP, GFAA and A 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:

### Incl Y**S**ys

4221 Freidrich Lane, Suite 190, Austin, TX 78744 & 2209 N. Padre Island Dr., Corpus Christi, TX 78408 Report Date: 04/03/02 FAX (512) 447-4766 Time: 09:33 Time: 11:45 Project ID: Bob Durham EOT 2044C Date Received: 03/28/2002 Date Sampled: 03/25/2002 Report#/Lab 1D#: 127356 (512) 444-5896 Sample Name: MW 17 Sample Matrix: water NM 88240 FAX: 505 397-4701 Environmental Tech Group Address: 2540 W. Marland REPORT OF ANALYSIS 505 397-4882 Ken Dutton Hobbs, Phone: Client: Attn:

04/01/02 Blank ⊽  $\overline{V}$  $\overline{\mathbf{v}}$  $\overline{\mathbf{v}}$ V ROL i Units ng/L hg/L HB/L hg/L hg/L Result  $\overline{v}$  $\nabla$  $\overline{\mathsf{v}}$  $\overline{V}$ Volatile organics-8260b/BTEX Ethylbenzene m,p-Xylenes Parameter o-Xylene Benzene Toluene

LCS4

Data Qual 7 Prec, 2 Recov.3 CCV4

Method 6 8260b 82606 8260b 8260b 8260b 8260b

04/01/02

Date

04/01/02 04/01/02

04/01/02

04/01/02

**QUALITY ASSURANCE DATA**<sup>1</sup>

102.7

104.9 99.4

> 104.1 98.9

97.4

99,4

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101.9 100.4

> 5.4 5.2 4.6

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Richard Later Respectfully Submitted, Richard Laster

109.5 of the relative percent (%) difference between duplicate measurements. 3. Recovery (Recov.) is the percent (%) of analyte 4. Calibration Verification (CCV) and Laboratory Control Sample (LCS) results are dilutions. 7. Data Qualifiers are I = analyte potentially present between the PQL and the MDL. B = Analyte delected in Ppically denote USEPA procedures. Less than ("<") values reflect nominal quantiation limits adjusted for any required recovery exceeds advisory limit. S3 =MS and/or MSD and PDS recoveries exceed advisory limits. P =Precision higher 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 associated method blank(s). S1 =MS and/or MSD recovery exceed advisory limits. S2 =Post digestion spike (PDS) 119.9 113 I. Quality assurance data is for the sample batch which included this sample.

**5**4**5**4700**(1** 

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

Client: Environmental Tech Group
Attn: Ken Dutton

Project ID: Bob Durham EOT 2044C Sample Name: MW 17

Report#/Lab ID#: 127356 Sample Matrix: water

REPORT OF SURROGATE RECOVERY

S				
Surrogate Compound	Method	Door		No.
[10 Distance of the second of	DOM: ATT.	Tree over y	Kecovery Limit	Data Qualifiers
1,4"Dictionoemane-d4	8260h	8 50	001.00	
Tolingno-do	)	9.6	077-00	•
	8260b	93.5	88.110	
	-		077-00	

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

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

Report Date: 04/03/02

Project ID: Bob Durham EOT 2044C

Report#/Lab ID#: 127357

NM 88240 Environmental Tech Group Address: 2540 W. Marland Ken Dutton Hobbs, Client: Attn:

505 397-4882

FAX: 505 397-4701

Date Received: 03/28/2002 Sample Name: MW 18 Sample Matrix: water

Date Sampled: 03/25/2002

Time: 09:33

Time: 11:40

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Volatile organics_8260h/BT/EY				۱		WASHING	Data Cual   Frec.   Accov.   CCV.	rrec.	Mecuv."	ניל	
TOTAL STREET			-		04/01/02	8260b	***	:			4
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Ethulbergen	7	7/84		⊽'	04/01/02	8260b		3.8	1019	107.7	ł
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m.n.Xvlenes	,	b L	•	7	70/10/40	82606	-	5.4	100.4	99.4	
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Richard Laster

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4221 Freidrich Lane, Suite 190, Austin, TX 78744 & 2109 N. Padre Island Dr., Corpus Christi, TX 7840408 (512) 444-5896 • FAX (512) 447-4766

Environmental Tech Group Ken Dutton Client: Attn:

Project 1D: Bob Durham EOT 2044C Sample Name: MW 18

Report#/Lab 1D#: 127357 Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	9 5 6	80.120	
Tolinene di			071-00	
	00928	94.6	88-110	

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

### **7**nar **5**000

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

Report Date: 04/03/02

Project ID: Bob Durham EOT 2044C

Sample Name: MW 19 Sample Matrix: water

Report#/Lab 1D#: 127358

Environmental Tech Group Address; 2540 W. Marland Ken Dutton Hobbs, Client: Attn:

505 397-4882 Phone:

NM 88240

FAX: 505 397-4703

Time: 09:15 Date Sampled: 03/25/2002

Time: 09:33

Date Received: 03/28/2002

LCS4

Prec. 2 Recov.3 CCV4

Data Qual 7

Method 6 8260b

**OUALITY ASSURANCE DATA** 

109.5

119.9

4.8

8260b

102.7

104.9

5.2 4.6

99.4 98.7

99.4

100.4 104.1 98.9

5.4

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04/01/02 04/01/02 04/01/02 04/01/02 04/01/02 04/01/02 Date Blank  $\overline{\mathsf{v}}$  $\vec{v}$  $\overline{V}$ ROL Units T/8n ∏/8rl ⊓8/F T/Bit Result ⊽  $\overline{V}$  $\vec{\mathsf{v}}$  $\overline{\mathsf{v}}$ Volatile organics-8260b/BTEX REPORT OF ANALYSIS Ethylbenzene m,p-Xylenes Parameter o-Xylene Benzene Toluene

η/gπ

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Rehard

Respectfully Submitted,

Richard Laster

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

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: Ken Dutton

Project ID: Bob Durham EOT 2044C Sample Name: MW 19

Report#/Lab ID#: 127358 Sample Matrix: water

REPORT OF SURROGATE RECOVERY

	Recovery Limit   Data Qualifiers	00.00	971-08	88-110
	Recovery	- 13	CFT	616
	Method	ROKOH	00070	8260b
Summer of the second se	Surrogate Compound	1,2-Dichioroethane-d4	Tolingua 40	מודבווב-חס

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

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

Report Date: 04/03/02

Environmental Tech Group Ken Dutton Client: Attn:

Address: 2540 W. Marland Hobbs,

NM 88240

505 397-4882 Phone:

FAX: 505 397-4701

Sample Name: MW 20 Sample Matrix: water

Project 1D: Bob Durham EOT 2044C

Report#/Lab 1D#: 127359

Time: 09:33 Date Received: 03/28/2002

Time: 09:30 03/25/2002 Date Sampled: LCS4

Data Qual 7 | Prec. 2 | Recov.3 | CCV4

Method <sup>6</sup> 8260b 8260b 8260b 8260b 82606 8260b

**OUALITY ASSURANCE DATA<sup>1</sup>** 

109.5

119.9

102.7 97.4

104.9

86

99,4

100.4 104.1 98.9 113

107.2 99.4

REPORT OF ANALYSIS

Parameter	Result	Units	ROL <sup>5</sup>	ROL <sup>5</sup> Blank	Date
Volatile organics-8260b/BTEX			, !		04/01/02
Benzene	⊽	ue/L	_	⊽	04/01/02
Ethylbenzene	⊽	J/dil		' V	04/01/02
m,p-Xylenes	' v	2/01		₹ ⊽	70/10/10
o-Xylene	' ⊽	)/all	-	7 7	04/01/02
Toluene	' v	1/011	-	, <u>.</u>	04/01/02

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Richard Later Richard Laster

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CINCILY SYS

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: Ken Dutton

Project ID: Bob Durham EOT 2044C Sample Name: MW 20

Report#/Lab ID#: 127359 Sample Matrix: water

# REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Onalifiare
1.2 Diahla4.				C TAILTING TO A SAME
1,2-2, tilloroethane-d4	8260h	6	00,170	
Taliana 30	20010	7	071-00	17
1 Oldelle-08	R260h	1 70	00 110	
	2022	7.1.7	071-00	1

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

### **J**nal 4**5**%

4221 Freidrich Lane, Suite 196, Austin, TN 78744 & 2209 N. Padre Island Dr., Corpus Christi, TN 78408 FAX (512) 447-4766 (512) 444-5896

Report Date: 04/03/02 Time: 09:33 Time: 09:20 Project ID: Bob Durham EOT 2044C Date Received: 03/28/2002 Date Sampled: 03/25/2002 Report#/Lab 1D#: 127360 Sample Name: MW 21 Sample Matrix; water NM 88240 FAX: 505 397-4701 Environmental Tech Group Address: 2540 W. Marland 505 397-4882 Ken Dutton Hobbs, Phone: Client Attn:

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o-Xviene	' ,	) ;	• ,	7	70/10/40	97978	_,	5.2	104.1	104.9	102.7
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	7	100	٦	⊽	04/01/02	8260b	1	8 4	۲! ا	1100	100 5
144								?	7	117.7	7.77

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Respectfully Submitted, hehard

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: Ken Dutton

Project ID: Bob Durham EOT 2044C Sample Name: MW 21

Report#/Lab 1D#: 127360 Sample Matrix: water

# REPORT OF SURROGATE RECOVERY

Surrogata Comments				
Sairogaic Compound	Method	Recovery	Recovery Limit	Data Qual
1,2-Dichloroethane-d4	8260b	109	80-120	,
Toluene-d8	8260b	93.7	88-110	

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

Attn: Ken Dutton Report #/Lab ID#: 127360 Matrix: water Project ID: Bob Durham EOT 2044C Client: Environmental Tech Group 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 Sample Bottles & Preservation

M Sample received in appropriate container(s) and appear to be appropriately preserved.

I Sample received in appropriate container(s). State of sample preservation unknown.

I Sample received in inappropriate container(s) and/or with unknown state of preservation.

J flag Discussion

background levels/blanks and other potential sources of sampling and analytical contamination), though less than the Reported Quantitation Limit (RQL) is greater than the 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 nois A I flag data qualifier indicates (as required under TNRCC-TRRP reporting requirements) that the raw calculated analyte concentration in the sample (uncorrected for

more than background ion-fragment noise.)		
Qualif Comment	See J-flag discussion above. See J-flag discussion above.	
ramerer Quali		

Page#: 3

#### **5**4**5**4700**[]**

2209 N. Padre Island Dr., Corpus Christi, TX 78408 Report Date: 04/03/02 FAX (512) 447-4766 Tlme: 09:33 Time: 09:25 Project ID: Bob Durham EOT 2044C Date Received: 03/28/2002 Date Sampled: 03/25/2002 Report#/Lab 1D#: 127361 (512) 444-5896 Sample Name: MW 22 Sample Matrix: water NM 88240 FAX: 505 397-4701 Environmental Tech Group Address: 2540 W. Marland REPORT OF ANALYSIS 505 397-4882 Ken Dutton Hobbs, Phone: Client: Attn:

4221 Freidrich Lane, Suite 190, Austin, TX 78744 &

Parameter								١.
	Result	linite	2 100				<b>UVALITY</b>	
Volatile organics-8260h/RTFX		CHALS	יירע. מער	Blank	Date	Method 6	T. C. 17	١١ ١
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rat y oenzene	7	) <u>.</u>	<del>-</del>	<b>∵</b>	04/01/02	8260h		ŀ
m,p-Xylenes	7	mg/L		⊽	04/01/02	2000	1	
0.Xvlens	⊽	ne/L		٠ ٦	04,01,02	97979	1	
	V	1/01		7	04/01/02	82606	1	
l'oluene	, ,	7/94	~~~	⊽	04/01/02	R260h		
	7	mg/L		V	04/01/07		:	
This analytical report is mention.				7	04/01/07	82605	ł	

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Prec. 2 Recov,3 CCV4

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Respectfully Submitted,
Richard Laster

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

Client: Environmental Tech Group
Attn: Ken Dutton

Project 1D: Bob Durham EOT 2044C Sample Name: MW 22

Report#/Lab ID#: 127361 Sample Matrix: water

# REPORT OF SURROGATE RECOVERY

C. 120001				
pariogate compound	Method	Recovery	Recovery Limit	Date Ouglifford
		6	THE CALL OF THE PERSON	Data Cuannicus
1,2-Uichloroethane-d4	8260h	LU3	80-120	
Tolinan 30		)	077-00	:
י מותכווביתס	8260b	93	88-110	•
		1	2	

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

4221 Freidrich Lane, Suite 190, Austin, TX 78744 & 7209 N. Padre Island Dr., Corpos Christi, TX 78408 FAX (512) 447-4766 (512) 444-5896

Report Date: 04/03/02

Project 1D: Bob Durham EOT 2044C

Sample Name: MW 24 Sample Matrix: water

Report#/Lab 1D#: 127362

Environmental Tech Group Ken Dutton Client: Aftn:

Address: 2540 W. Marland

Hobbs,

FAX: 505 397-4701 505 397-4882

Phone:

NM 88240

REPORT OF ANALYSIS

KEFUKI OF ANALYSIS							OUALITY ASSURANCE DATA	ASSURA	INCE DA	TA1		
Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method 6	Data Oual 7   Prec. 2   Recov. 3   CCV 4   1, CS 4	Prec.2	Recov.3	CCV4	LCS4	
Volatile organics-8260b/BTEX	4 4 4		1	1	04/01/02	8260b				1		
Вепгене	V	µg/L		⊽	04/01/02	8260b	}	3.8	101.9	107.2	98.7	
Emylbenzene	⊽	hg/L		⊽	04/01/02	8260b	1	5.4	100.4	99.4	99.4	
m,p-Xylenes	⊽	HB/L	_	⊽'	04/01/02	8260b	1	5.2	104.1	104.9	102.7	
0-Aylene r-1	⊽	hg/L		7	04/01/02	82606	į	4.6	6.86	86	97.4	
l oluene	<	mg/L	_	⊽	04/01/02	8260b	1	8.	113	119.9	109.5	
									•	•		

Time: 09:10 Time: 09:33

Date Received: 03/28/2002 Date Sampled: 03/25/2002

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Respectfully Submitted

Richard Laster

Richard Later

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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

Environmental Tech Group Ken Dutton Client: Attn:

Project ID: Bob Durham EOT 2044C Sample Name: MW 24

Report#/Lab 1D#: 127362 Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Christian Contraction				
our ogate Compound	Method	Recovery	Recovery Limit	Data Onalifiare
1.2 Night and			Transfer of the state of the st	Data Chamiltons
1,4**Dicinotoemane-04	8260b	100	RD.130	
Totale do		2	241.00	1
ומומוניים	8260b	92.8	88-110	
		)		

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

### **1**000 **9**05

2209 N. Padre Island Dr., Corpus Christi, TX 78408 Report Date: 04/03/02 FAX (512) 447-4766 Time: 12:50 Time: 09:33 Project ID: Bob Durham EOT 2044C Date Received: 03/28/2002 Date Sampled: 03/25/2002 Report#/Lab 1D#: 127363 (512) 444-5896 Sample Name: MW 25 Sample Matrix: water NM 88240 FAX: 505 397-4701 Environmental Tech Group Address: 2540 W. Marland REPORT OF ANALYSIS 505 397-4882 Ken Dutton Hobbs, Client: Phone: Attn:

4221 Freidrich Lane, Suite 190, Austin, TX 78744 &

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Jatile Organics 82601 Johns	VIII O (0000 Comes	nzene	VIhenzene		-Xylenes	Viene		uene		This analytical report is respectfully.
	Result Units RQL's Blank Date	organics-8260b/BTEX Result Units RQL 5 Blank Date Method 6	Nganics-8260b/BTEX Result Units RQL <sup>5</sup> Blank Date Method <sup>6</sup> 04/01/02 8260b	cs-8260b/BTEX	Cs-8260b/BTEX	Method 6   Method 6	cs-8260b/BTEX         —         HeSult Onits         RQL S         Blank Blank Blate         Date Method 6           <1	CS-8260b/BTEX He/L 1 Chifs RQL 5 Blank Date Method 6 Action 1 Chifs Blank Date Method 6 Action 1 Chifs Blank Date Method 6 Action 1 Chifs B260b Chifs Chifs B260b Chifs B26	CS-8260b/BTEX	CS-8260b/BTEX

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Respectfully Submitted, Richard Laster

109.5 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 dilutions. 7. Data Qualifiers are J = analyte potentially present between the PQL and the MDL. B = Analyte detected in 4. Calibration Verification (CCV) and Laboratory Control Sample (LCS) results are typically denote USEPA procedures. Less than ("<") values reflect nominal quantitation limits adjusted for any required recovery exceeds advisory limit. S3 =MS and/or MSD and PDS recoveries exceed advisory limits. P =Precision higher expressed as the percent (%) recovery of analyte from a known standard or manix. 5. Reporting Quantitution Limits (RQL), typically at or above the Practical Quantitation Limit (PQL) of the analytical method. 6. Method numbers associated method blank(s). S1 =MS and/or MSD recovery exceed advisory limits. S2 =Post digestion spike (PDS) than advisory limit. M =Matrix interference.

119.9

113

4.8 8.

Project ID: Bob Durham EOT 2044C Sample Name; MW 25

4221 Freidrich Lane, Suite 199, Austin, TX 78744 & 2209 N. Padre Island Dr., Corpus Christi, TX 7840408 (512) 444-5896 FAX (512) 447-4766 Report#/Lab 1D#: 127363 Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Environmental Tech Group

Client:

Ken Dutton

Attn:

Recovery Limit | Data Qualifiers 88-110 80-120 Recovery 94.5 94.1 Method 8260b 8260b Surrogate Compound 1,2-Dichloroethane-d4 Toluene-d8

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

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

> NM 88240 Environmental Tech Group Address: 2540 W. Marland Ken Dutton Hobbs, Client Attn:

FAX: 505 397-4701 505 397-4882 Phone:

Report Date: 04/03/02 Time: 12:30 Time: 09:33 Project ID: Bob Durham EOT 2044C Date Received: 03/28/2002 Report#/Lab 1D#: 127364 Sample Name: MW 26 Sample Matrix: water

Date Sampled: 03/25/2002

LCS4

102.7 97.4 109.5

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Data Qual 7 | Prec, 2 | Recov.3 | CCV4 **OUALITY ASSURANCE DATA!** 101.9 100.4 98.9 104.1 . 3 5.2 ļ Method 6 8260b 8260b 8260b 8260b 8260b 8260b 04/01/02 04/01/02 04/01/02 04/01/02 04/01/02 04/01/02 Date Blank  $\nabla \nabla$  $\nabla \nabla$  $\forall$ RQL<sup>5</sup> Coits ng/L ng/L ng/L μg/L ng/L Resuft  $\vec{\mathbf{v}}$  $\overline{v}$  $\overrightarrow{\mathsf{v}}$  $\nabla$  $\overline{v}$ Volatile organics-8260b/BTEX REPORT OF ANALYSIS Ethylbenzene m,p-Xylenes Parameter o-Xylene Benzene Toluene

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Richard Later Respectfully Submitted, Richard Laster

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

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

Client:

Environmental Tech Group Ken Dutton

Attn:

Project 1D: Bob Durham EOT 2044C Sample Name: MW 26

Report#/Lab 1D#: 127364 Sample Matrix: water

# REPORT OF SURROGATE RECOVERY

	·			
Surrogate Compound	Method	Recovery	Recovery Limit	Data Onsliffore
1,2-Dichloroethane-d4	1 8260h	711	061.08	
<u>.</u> F		1	021-00	ŧ
roinene-d8	8260h	03.3	. 011 00	
		7:47	017-00	

Data Qualifiers: D= Surrogates disuted and X= Surrogates outside advisory recovery simits.

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

Report Date: 04/03/02 Time: 09:33 Time: 10:00 Project 1D: Bob Durham EOT 2044C Date Received: 03/28/2002 Date Sampled: 03/25/2002 Report#/Lab 1D#: 127365 Sample Name: MW 27 Sample Matrix: water NM 88240 FAX: 505 397-4701 Environmental Tech Group Address: 2540 W. Marland 505 397-4882 Ken Dutton Hobbs, Phone: Client: Attn:

REPORT OF ANALYSIS

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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

Environmental Tech Group Client Attn:

Ken Dutton

Project ID: Bob Durham EOT 2044C Sample Name: MW 27

Report#/Lab 1D#: 127365 Sample Matrix: water

# REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Ouglifiers
1,2-Dichloroethane-d4	8260h	100	80.120	
i.		2	077-00	1
1 oinene-d8	8260b	92.5	88-110	***

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

#### וחבור א**ק**אַּבּ

4221 Freidrich Lane, Suite 190, Austin, TX 78744 & 2209 N. Padre Island Dr., Corpus Christi, TX 78408 (512) 444-5896 FAX (512) 447-4766 Report Date: 04/03/02 Time: 10:15 Time: 09:33 Project ID: Bob Durham EOT 2044C Date Received: 03/28/2002 Date Sampled: 03/25/2002 Report#/Lab ID#: 127366 Sample Name: MW 29 Sample Matrix: water NM 88240 FAX: 505 397-4701 Environmental Tech Group Address: 2540 W. Marland REPORT OF ANALYSIS Phone: 505 397-4882 Ken Dutton Hobbs, Client Attn:

Parameter				
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Volatile organics-8260h/RTFX		CHILES	ב לער	Blank
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DCIIZene				
Ethylbenzene	⊽ .	HB/L	<b></b> -	⊽
m.p.Xvlenes	v	ηg/L	-	V
0-Xvlene	⊽	118/F		· V
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Data Qual 7 Prec, 2 Recov.3 CCV4

Method 6 8260b 8260b 8260b 8260b 8260b 8260b

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**QUALITY ASSURANCE DATA**1

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98.7 99.4

107.2

100.4 104.1

3.8 5.2

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Richard Later Respectfully Submitted, Richard Laster

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#### CINCLYSYS

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: Ken Dutton

Project 1D: Bob Durham EOT 2044C Sample Name: MW 29

Report#/Lab 1D#: 127366 Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrossia C				
our ogate Compound	A446.43			
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Tolinens do	00070	35.2	80-120	1111
י מיוריונים	8260h	2		
		74.5	011-88	

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

#### מל**ט**אסוון

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

Report Date: 04/03/02

Environmental Tech Group Address: 2540 W. Marland Ken Dutton Hobbs, Client:

505 397-4882 Phone:

FAX: 505 397-4701

NM 88240

Sample Name: MW 30 Sample Matrix: water

Project ID: Bob Durham EOT 2044C

Report#/Lab ID#: 127367

Time: 09:33 Date Received: 03/28/2002

Time: 10:20 Date Sampled: 03/25/2002

LCS4

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### REPORT OF ANALYSIS

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Benzene	Ī										
Rhylhansons	7	7/8 <del>1</del> 1	-	⊽'	04/01/02	8260b	ţ	3.8	101.9	107.7	1
בימולוטיוולכווכ	⊽ ~	T/Bn		⊽	04/01/02	8260h	ļ	7	1001	6	
m,p-Xylenes	7	1/0::	•	•			;	÷	4.00.	4.7.4	- '
V.Viene	7	T/RH	- <b>-</b>	⊽	04/01/02	8260b	į	5.2	104.1	104.9	_
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Respectfully Submitted, Richard

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

Environmental Tech Group Ken Dutton Client:

Project 1D: Bob Durham EOT 2044C

Report#/Lab ID#: 127367 Sample Matrix: water

Recovery Limit Data Qualifiers 88-110 80-120 Sample Name: MW 30 Recovery 100 93.1 Method 8260b 8260b REPORT OF SURROGATE RECOVERY Surrogate Compound 1,2-Dichloroethane-d4 Toluene-d8 Attn:

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

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

> Environmental Tech Group Address: 2540 W. Marland Ken Dutton Hobbs, Client: Attn:

FAX: 505 397-4701

NM 88240

Report Date: 04/03/02 Time: 09:33 Time: 10:30 Project ID: Bob Durham EOT 2044C Date Received: 03/28/2002 Date Sampled: 03/25/2002 Report#/Lab ID#: 127368 Sample Name: MW31 Sample Matrix: water

LCS4

Data Qual 7 Prec, 2 Recov,3 CCV4

Method <sup>6</sup> 8260b

Date

04/01/02

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ASSURANCE DATA!

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104.9

5.2

99.4

100.4 104.1 98.9

8260b

04/01/02 04/01/02

04/01/02

8260b

8260b

8260b

04/01/02

04/01/02

8260b

98.7

107.2 99.4 109.5

119,9

97.4

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Blank v  $\vec{\mathsf{v}}$  $\overline{\mathsf{v}}$  $\nabla \nabla$ ROL 5 Units T/BH μg/L hg/L η/J/Jπ E/L Result 2.91  $\vec{\mathsf{v}}$ v  $\nabla \nabla$ Volatile organics-8260b/BTEX REPORT OF ANALYSIS Ethylbenzene m,p-Xylenes Parameter o-Xylene Benzene Toluene

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Richard Laster Released

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Page#: 1

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Environmental Tech Group Ken Dutton Client: Attn:

Project ID: Bob Durham EOT 2044C Sample Name: MW 31

Report#/Lab ID#: 127368 Sample Matrix: water

### REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Onalifiers
1.2 0.5.5.	÷			
1,2-Dichioroethane-d4	8260h	96	80-120	
- 1 - E		7	071-00	5
Toluene-d8	8260h	000	01100	
	200	7:47	011-00	1

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

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

Report Date: 04/03/02

Client: Environmental Tech Group
Attn: Ken Dutton
Address: 2540 W. Marland

Hobbs,

NM 88240

Phone: 505 397-4882 FA3

FAX: 505 397-4701

Project 1D: Bob Durham EOT 2044C Sample Name: MW 33 Sample Matrix: water

Report#/Lab 1D#: 127369

Date Received: 03/28/2002 Time: 09:33

Date Sampled: 03/25/2002 Time: 11:30

| Prec. 2 | Recov.3 | CCV4 | LCS4

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97.4

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REPORT OF ANALYSIS

ROL Units µg/L ng/L µg/L Hg/L hg/L Result  $\overline{\mathsf{v}}$  $\overline{V}$  $\vec{v}$  $\overline{V}$ Volatile organics-8260b/BTEX Ethylbenzene m,p-Xylenes Parameter o-Xylene Toluene Benzene

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Respectfully Submitted,

Richard Latter

Richard Laster

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

Environmental Tech Group Client; Attn:

Ken Dutton

Project ID: Bob Durham EOT 2044C Sample Name: MW 33

Report#/Lab 1D#: 127369 Sample Matrix: water

## REPORT OF SURROGATE RECOVERY

ethod Recovery Recovery Limit Data			071.00	8260b   93.3   RR_110	) ) )
Surrogate Compound Me	1.2.1.1.4.1.2.1.4.1.1.1.1.1.1.1.1.1.1.1.	2,2-12,12,110,10emane-04	Tolina do	Op-arana 1	

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

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

Report Date: 04/03/02 Time: 09:33 Time: 12:00 Project 1D: Bob Durham EOT 2044C Date Received: 03/28/2002 Date Sampled: 03/25/2002 Report#/Lab 1D#: 127370 Sample Name: MW 34 Sample Matrix: water NM 88240 FAX: 505 397-4701 Environmental Tech Group Address: 2540 W. Marland 505 397-4882 Ken Dutton Hobbs, Phone: Client: Attn:

REPORT OF ANALYSIS

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Volatile organics-8.2606/B1EX			i		04/01/02	8260b	**-	1	1	1	
Benzene	-	1/=::									
Frhillian	7	μg/L	-	<u></u>	04/01/02	8260b	ï	3.8	6.101	_	08.7
and incircula	V	1/011	_	7	100,10770	-					i
m n. Xvlenee		) , b	4	7	70/10/40	00079	:	5.4	100.4		99.4
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o-Xylene	V		-	,		0000	:	7.7	104.1		102./
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Respectfully Submitted,
Richard Laster

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Environmental Tech Group Ken Dutton Client; Attn:

Project ID: Bob Durham EOT 2044C Sample Name: MW 34

Report#/Lab 1D#: 127370 Sample Matrix: water

# REPORT OF SURROGATE RECOVERY

our ogate Compound	Method	Recovery	Recovery Limit	Data Onalifiers
,2-Dichloroethane-d4	8260b	5 96	80.120	1
•	,		071-00	
.oiuene-d8	8260b	94.4	88-110	i

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

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

Report Date: 04/03/02 Time: 09:33 Time: 12:10 Project 1D: Bob Durham EOT 2044C Date Received: 03/28/2002 Date Sampled: 03/25/2002 Report#/Lab 1D#: 127371 Sample Name: MW 35 Sample Matrix: water NM 88240 FAX: 505 397-4701 Environmental Tech Group Address: 2540 W. Marland 505 397-4882 Ken Dutton Hobbs, Phone: Client: Attn:

REPORT OF ANALYSIS

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voiatue of gaines-6200b/B   E.A.	:		!		04/02/02	8260b	1	;	1	-	
Неподп											
		hg/L		⊽'	04/02/02	8260b	i	2	102.8	103.5	- 60
Ethylbenzene	⊽	1/0/1	_	7	07/07/07	00500F		, ,			
m n-Yulona		) )	٠	<del>,</del>	70/70/40	00079	1	0.0	5.5	100.3	100.7
מיויז ליין ליוי	▽'	ug/L		<b>⊽</b>	04/02/02	8260h	-		100	103.0	102.0
io-Xviene	`		•	. •				)	1.177	0.01	103.7
E	7	7,782	<del>-</del>	₹	04/02/02	8260b	i	٠,	7 7	× × ×	000
1 Oluene	V	1/01	_	7	24,00,00			,	:	?	3
	,	i So		7	70/70/40	97978	-	7.5	105.1	113,7	110,4

6.0

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 ore 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 he reproduced or transmitted in any form or by any means without the express written consent of AnalySys, Inc.

Respectfully Submitted,

Richard Laster

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

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

Environmental Tech Group Ken Dutton Client: Attn:

Project 1D: Bob Durham EOT 2044C Sample Name: MW 35

Report#/Lab 1D#: 127371 Sample Matrix: water

## REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Onalifiers
1,2-Dichloroethane-d4	8260b	112	80.120	
Toluene-d8	8260h	9. 1	071-00	<u> </u>
		1.70	071.00	

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

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

Report Date: 04/03/02 Time: 09:33 Time: 13:15 Project 1D: Bob Durham EOT 2044C Date Received: 03/28/2002 Date Sampled: 03/25/2002 Report#/Lab 1D#: 127372 Sample Name: MW 36 Sample Matrix: water NM 88240 FAX: 505 397-4701 Environmental Tech Group Address: 2540 W. Marland 505 397 4882 Ken Dutton Hobbs, Client: Phone: Attn:

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MET OF AIVAL YSIS						-	OUALITY ASSURANCE DATA1	ASSUR,	ANCE DA	TAI	
Parameter	Result	Units	ROL S	Blank	Date	Method 6	Data Oual 7 Drag 2 Danny 3 Cry4 11 Cc4	Drog 2	Parne 3	4/10/0	700
Volatile organice 2760h/RTEV			,			201222	השום לחמו	1 1 CC.	11000		7
Comment of Prince Octobal DIEA			•		04/02/02	82606		1		i	i
Benzene	- \	-									
	7	rg/L	_	⊽	04/02/02	8260b	:	,	102 8	103 5	1 00
Ethylbenzene	ī		•	•		3		4	102.0	2.00	77.1
	7	T/SH	<u> </u>	7	04/02/02	8260b	!	3.6	05.3	1003	1007
m,p-Xylenes	ĭ	70:	-	-	00,000,00	1		?	1	?	
	7	יושר	~	√'	04/07/07	8260b	;	0.5	102.4	103.R	103.9
o-Aylene	~	1/011	_	7	L0/ L0/ L0	10,700		,			}
Toliana	, ,	1	4	7	70/70/40	97979	t t	··	94.7	98.8	6.86
	√'	ug/L	1	⊽	04/02/02	82601	1	7 4	1041	1101	7 011
								?	7.707	1.0.	110.4

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Richard Later

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: Ken Dutton

Project ID: Bob Durham EOT 2044C Sample Name: MW 36

Report#/Lab 1D#: 127372 Sample Matrix: water

### REPORT OF SURROGATE RECOVERY

Charles of the Contract of the	***************************************			
Sur ugate Compound	Method	Recovery	Recovery Limit	Date Onalitions
1) Dick Comment		6-2-2-	Trace fact the same	Data Chamiters
1,4-Dichloroethane-d4	8260h	101	80.120	
Tohiana Jo			071-00	*
י מוחבות בייני	8260h	916	88.110	
			011.00	

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

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

Report Date: 04/03/02

Project ID: Bob Durham EOT 2044C

Report#/Lab ID#: 127373

Client: Environmental Tech Group
Attn: Ken Dutton
Address: 2540 W. Marland

Hobbs,

NM 88240

Phone: 505 397-4882

FAX: 505 397-4701

Sample Name: EB1 Sample Matrix: water

Date Received: 03/28/2002 Time: 09:33

Date Sampled: 03/25/2002 Time: 13:15

REPORT OF ANALYSIS
Parameter

Volatile organics-8260b/BTEX

 $\overline{\mathsf{v}}$  $\nabla \nabla$  $\nabla$ hg/L hg/L hg/L μg/L ug/L  $\vec{\mathsf{v}}$  $\overrightarrow{\nabla}$  $\vec{v}$  $\overline{\mathsf{v}}$ V Ethylbenzene m,p-Xylenes o-Xylene Toluene Benzene

103.9

100.3 103.8

95.3

94.7 105.1

98.9

100.7

99.1

102.8

LCS.

Data Qual 7 Prec. 2 Recov. 3 CCV4

Method 6 8260b

04/02/02

Date

Blank

ROL<sup>5</sup>

Units

Result

8260b 8260b 8260b

04/02/02 04/02/02 04/02/02

04/02/02

8260b

04/02/02

8260b

**OUALITY ASSURANCE DATA** 

110.4

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Respectfully Submitted,

Wichard Laster

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

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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: Ken Dutton

Project ID: Bob Durham EOT 2044C Sample Name: EB1

Report#/Lab 1D#: 127373 Sample Matrix: water

# REPORT OF SURROGATE RECOVERY

~				
Surrogate Compound	Method	Recovery	Recovery Limit	Data Oualifiers
			•	
1,2-Dichioroethane-d4	8260b	96.5	80-120	3 5 3
			1	
1 oluene-d8	8260b	76	88-110	
			2	

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

### CHAIN-OF-CUSTODY

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Send Reports To:	!	Bill	Bill to (if different):	[ferent]	ا		I INC.
Company Name E. 7G. L.	Ţ,	Com	Company Name	ame	E071		422) Freidrich Lane, Stife 190, Austin, TN 73
Address 46 00 12/557 61966	601966	Address	ess				Fax: (512) 417-1766
City 2/1/22 day State 71 Zip 79705	Z110 29203	City			State	Zip	
NITH KEW DUTTON		ATTN	7				Analyses Remosted (1)
Phone(7/5) 5.72 1/39 Fax(9/5) 520-4310	18/15) 520-431		GB.		Fax		Please attach explanatory infranction as requir
Rush Status (must be confirmed with lab mgr.);	ned with lab mgr	` ~;				d.	
Project Name/POII: Beb Ochan Sampler: Sing	Jake Samp	oler: Sim	N Ca	25			
3860 P. 1.32	34K					\ \ ''	
Client Sample No. Description/Adentification	Date Time No. of Sampled Containers		Soil Water Waste	ler Waste	Lab I.D. #		Comments
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11 2577	3050410	بر			127352		
11 1 2 1 3	3.72 00 56.3	K			127353		
7,7 1(1)	7 25 ch 10 12	7		·	127354		
(1)	1 35 02 11:00	K			127355		
1.1. 5.1.1.	3.35.47 1/248	~			127356	u	

Hartest 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 to provide finite that ASI's method or dischains and extractables, unless specific analytical parameter lists are specified and dischain-of-custody or attached to this chain-of-custody. ASI will default to Private Peducine. ASE HSE list at ASEs aprior. Specific compound lists must be supplied for all CC procedures.

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	By	1)314	2/20/03 09:22	
Ů.	Sample Received By	Affiliation	mohow ASi	2
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	ed By	Date	3-27-02 15	
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[Fendering of above described samples to AnalySys, Inc. for analytical testing constitutes agreement by buyer/sampler to AnalySys, Inc.'s standard terms.]

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	4224 Freidrich Lane, Suite 190, Austin, TN 787-44	Fax; (512) 447-5830		Analyses Degreefol (1)	Pleuse attach explanatory information as required	11/1/1//			Comments									
:(1	G077		State Zip		Fax			1	Lab LD.#	127359   X	127360	127361	127362	127363	127364	127365	127366	S
Bill to (if different):	Company Name	Address	City	ATTN:			T. Sinon Calpa		No. af ontainers Sail Water Waste	· ·	2.	2	.~	ĸ		<u>ر</u>	2	
l	1	LUALL	Zip 79705	(10	9157 SAB-4310	ned with lab mgr.):	JUKHAW Sample	2740	Date Time No. of Sampled Containers	जह उठा है। इत	7-35020g 30	3 25-020-6:25	3-25-01-19-10	3.15-48-79cm	5:35:43/50	3.25.44.2.30	3.25.02/02/05	
Send Reports To:	Company Name E, TG, L	Address 46 00 12/0557 20126	City MILDENDAD State TX Zip 79703	ATTIN KEN DUTTON	Phon (915) 522 1139 Fax (915) 520-43,	Rush Status (must be confirm	Project Name/POH; GOB DURHAM Sampler: Simon Cases	75464.103	Client Sample Na. Description/Identification	0.0 0.00	16 100	1715.61 3.3.	1800 34	25	غان بنازار	13 J. Carre	124 Ash	

limits (MD/1414). For CLAMS vitatifes and extractables, unless specific analytical parameter lists are specified on this chain-of-custody or uttached to this chain-of-custody, ASI will default to Priority Pollmans of ASI's 1831 list at ASI's option. Specific compound lists must be supplied for all GC pracedures. t Muleus specifically requested affectwise on this Chain-of-custody and/or attached documentation, all analyses will be conducted using ASI's method of chaice and all data will be reported to ASI's manual cryanting

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	Ву	Date	3/28/02 09:33	
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18mo: 0.0°C	-	Name	Rulanie Hr	
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	d By	Date	3-27-42	
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[Temering of above described samples to AnalySys, Inc. for analytical testing constitutes agreement by buyer/sampler to AnalySys, Inc.'s standard terms.]

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CHAIN-OF-CUSTODY	ŊΧ					. ~
Send Reports To:		Bill to (i	Bill to (if different):	÷		. :
Company Name E. 7G. L.		Compan	Company Name	E071	4221 Freidrich Lanc. Suite 190, Austin, T.S. 78744	35.7.
Address 46.00 10/055 601426	2UALL.	Address			Fax: (512) 447-4766	
City Milled date State ZZ	Zip 79703	City		State Zip		
AITIN KED OUTT	22/4	ATTN:			Analyses Requested (f)	_
Phone 4/5/522 1/32 Fax (9/5) 52 B- 43	915) 5210-4310	Phone		Fax	Please anach explanatory information as required	princel
Rush Status (must be confirmed with lab mgr.);	ned with lab mgr.):		i		11/////	
Project Name/POIL: BOB DUR HAPPL Sampler: Simon Careo	OCB DURHAM Sample	معسرت.	(,420			
Client Sample No. Description/Identification	Time	No. of ontainers Soil	Water Waste	Lab 1.D. #	Comments	
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hadis (ADD-POL). For CACMS volviles and extractables, tuless specific analytical parameter fists are specified on this chain-of-custody or attached to this chain-of-custody. ASI will default to Privity Pollicante or SI's option. Specific compound lists must be supplied for all GC procedures,

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Cano. O.O.		Name	Welaniste	,
_		Time	7-02 15MV	
	ed By	Date	3-27-02	
	Sample Relinquished By	Affiliation	ETGI	
		Name	Since Cases ETGI	

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

3512 Montopolis Dr., Austin, TX 78744 & 2209 N. Padre Island Dr., Corpus Christi, TX 78408 (512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group	
NM 88240	
	•••
FAX: 505 397-4701	

REPORT OF ANALYSIS							OUALITY ASSURANCE DATA	ASSURA	NCE DA	TA1	
Parameter	Result	Units	RQL5	Blank	Date	Method 6	Data Qual 7	Prec.2	Prec. 2 Recov.3	CCV4	LCS4
Metals DigHNO3					08/13/02	3010A		-			
Total dissolved solids	856	mg/L	-	7	08/10/02	160.1	ļ	1.06	-NA-	-NA-	-NA-
Calcium/ICP	118	mg/L	10	or>	08/17/02	6010 & 200.7		60.0	97.24	102.08	103.18
Magnesium/ICP	19.7	mg/L	2	٧	08/17/02	6010 & 200.7	1	1.75	86.67	99.12	93.87
Potassium/AA	3.58	mg/L	0.5	<0.5	08/14/02	258.1&7610	1	4.94	71.19	95.72	85.53
Sodium/ICP	96.1	mg/L	50	Š	08/17/02	6010 & 200.7	-	1.27	100.11	100.84	104.64
Alkalinity, total	250	Дøш	10	×10	08/19/02	310.1	1	0.5	-NA-	-NA-	-NA-
Chloride	118	mg/L	٠,	V	08/12/02	325,2&9251	-	0.43	96.21	98.44	98.14
Fluoride	4.9	mg/L	0.05	<0.05	08/11/02	340.2	1	0	115.06	100	104.4
Sulfate	181	mg/L	01	<b>√</b> 10	08/15/02	375.4&9038	ı	0.55	106.3	109.4	106.96
Volatile organics-8260b/BTEX			-		08/16/02	8260b		l	-		
Вепzеле		hg/L	I	7	08/16/02	8260b		7.1	109.5	9.66	73.3
Ethylbenzene	⊽	Hg/L	pre-si	⊽	08/16/02	8260b	-	3,3	103.4	103.6	109.8
m,p-Xylenes	⊽	hg/L	-	⊽	08/16/02	8260b	1	4.2	100.7	101.3	106.8
o-Xylene	⊽	hg/L	-	⊽	08/16/02	8260b	-	4.2	105.6	101.8	110.3
Toluene	<b>'</b>	hg/L	1	⊽	08/16/02	8260b	1	5.7	111.2	8'.76	96

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Respectfully Submitted,

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). SI =MS and/or MSD recovery exceed advisory limits. S2 =Post digestion spike (PDS) recovery exceed advisory limit. M =Matrix interference.

3512 Montopolis Dr., Austin, TX 78744 & 2209 N. Padre Island Dr., Corpus Christi, TX 78408 (512) 385-5886 - PAX (512) 385-7411

Project ID: Bob Durham Sample Name: 22 Environmental Tech Group Ken Dutton Client: Attn:

Report#/Lab ID#: 132211 Sample Matrix: water

### REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers	
1 2 Dichlorouthan 44					
47-2000000000000000000000000000000000000	8260b	116	80.120		
Tolings 10		}	27.00	:	
VD-010CH-019	8260b	00	88-110	i	

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

3512 Montopolis Dr., Austin, TX 78744 & 2209 N. Padre Island Dr., Corpus Christi, TX 78408 (512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group	th Group	Report#/Lab ID#: 132212	Report Date: 08/20/02
Ken Dutton		Project ID: Bob Durham	•
Address: 2540 W. Marland		Sample Name: 20	
Hobbs,	NM 88240	Sample Matrix: water	
		Date Received: 08/08/2002	Time: 09:30
Phone: 505 397-4882	FAX: 505 397-4701	Date Sampled: 08/04/2002	Time: 15:00
REPORT OF ANALYSIS		ALI I VII I VIII V	OHALITY ASSIBANCE DATA 1

REPORT OF ANALYSIS							<b>QUALITY ASSURANCE DATA</b> <sup>1</sup>	ASSURA	NCE D	$\Lambda TA^{1}$	
Parameter	Result	Units	RQLS	Blank	Date	Method 6	Data Qual 7 Prec. 2 Recov.3 CCV4	Prec.2	Recov.3	CCV4	LCS4
Metals DigHNO3		-	ļ		08/13/02	3010A		,			
Total dissolved solids	874	mg/L	gened	⊽	08/10/02	160.1	1	1.06	-NA-	-NA-	-N-
Calcium/ICP	131	mg/L	01	<10	08/17/02	6010 & 200.7	*****	0.09	97.24	102.08	103.18
Magnesium/ICP	21.3	mg/L	'n	ΰ	08/17/02	6010 & 200.7	l	1.75	29.98	99.12	93.87
Potassium/AA	3.81	mg/L	0.25	<0.25	08/14/02	258.1&7610	1	1.81	85.52	92.25	102.97
Sodium/ICP	83.6	mg/L	S	Ş	08/17/02	6010 & 200.7	1	1.27	100.11	100.84	104.64
Alkalinity, total	350	mg/L	10	92	08/19/02	310.1		0.5	-NA-	-NA-	-NA-
Chloride	116	mg/L	<b>~</b>	ሪ	08/13/02	325.2&9251	1	9.65	86.79	86.64	87.92
Fluoride	4	mg/L	0.05	<0.05	08/12/02	340.2	1	6.33	114.94	95.81	91.8
Sulfate	84.2	mg/L	2	<10	08/15/02	375.4&29038	l	0.55	106.3	109.4	106.96
Volatile organics-8260b/BTEX			-		08/16/02	8260b	1	ı		1	1.4
Benzene	7	µg/L	-	⊽	08/16/02	8260b		1.7	109.5	9.66	73.3
Ethylbenzene	⊽	µg/L	_	⊽	08/16/02	8260b	1	3.3	103,4	103.6	109.8
m,p-Xylenes	⊽	μg/L	_	7	08/16/02	8260b	1	4.2	100.7	101.3	106.8
o-Xylene	⊽	µg/L	<b>—</b>	⊽	08/16/02	8260b	İ	4.2	105.6	101.8	110,3
Toluene	⊽	Hg/L		7	08/16/02	8260b	1	5.7	111.2	8.76	96
											-

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Respectfully Submitted,

Richard Laster

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3512 Montopolis Dr., Austin, TX 78744 & 2209 N. Padre Island Dr., Corpus Christi, TX 78408 (512) 385-5886 • FAX (512) 385-7411

Environmental Tech Group Ken Dutton Client: Attn:

Project ID: Bob Durham Sample Name: 20

Report#/Lab ID#: 132212 Sample Matrix: water

REPORT OF SURROGATE RECOVERY Surrogate Compound ,2-Dichloroethane-d4

Recovery Limit Data Qualifiers ŧ 80-120 88-110 Recovery 169 184 194 Method 8260b 8260b Toluene-d8

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

Report Date: 08/20/02

3512 Montopolis Dr., Austin, TX 78744 & 2209 N. Padre Island Dr., Corpus Christi, TX 78408 (512) 385-5886 • FAX (512) 385-7411

	ſ
	Report#/Lab ID#: 132213
	Project ID: Bob Durham
	Sample Name: 36
NM 88240	Sample Matrix: water
	Date Received: 08/08/2002
FAX: 505 397-4701	Date Sampled: 08/04/2002

KEPURT OF ANALYSIS							OUALITY ASSURANCE DATA	ASSUR/	ANCE DA	TA1	
Parameter	Result	Units	RQL 5	Blank	Date	Method 6	Data Oual 7 Prec. 2 Recov. 3 CCV4	Prec.2	Recov.3	CCV4	1.CS4
Metals DigHNO3					08/13/02	3010A	,				
Total dissolved solids	800	mg/L	r	⊽	08/10/02	160.1		1.06	-AA-	, A,	ı X
Calcium/ICP	101	mg/L	01	ot>	08/17/02	6010 & 200.7	1	00.0	40.70	102 08	- 1 -
Magnesium/ICP	17.8	mg/L	5	'n	08/17/02	6010 & 200.7	-	1.75	29.98	99 12	
Potassium/AA	3.32	mg/L	0.25	<0.25	08/14/02	258.1&7610	1	1.81	85.52	92.25	102.97
Sodium/ICF	71.8	mg/L	95	<u>გ</u>	08/11/02	6010 & 200.7	1	1.27	100.11	100.84	19.62
Alkalinity, total	260	mg/L	01	VI0	08/19/02	310.1		0.5	-NA-	-NA-	A Z
Chloride	<u>इ</u>	mg/L	'n	'n	08/13/02	325.2&9251	}	0.65	86.79	86.64	87.92
Fluoride	2.5	mg/L	0.05	<0.05	08/12/02	340.2	1	6.33	114,94	95.81	8 6
Sulfate	131	mg/L	01	<10	08/15/02	375,4&9038	l	0.55	106.3	109.4	106.96
Volatile organics-8260b/BTEX	***				08/16/02	8260b		***	1	!	<b>T</b> i
Benzene	1>	hg/L		7	08/16/02	8260b	B. 444	0.2	81.7	102.4	86.4
Ethylbenzene	⊽	µg/L		⊽	08/16/02	8260b	ł	٧.	105.5	97.2	100.3
m,p-Xylenes	⊽	μg/L	Н	⊽	08/16/02	8260b	1	4.7	93	90.6	88.7
0-Xylene	⊽	hg/L		⊽	08/16/02	8260b	i	4.7	102.1	9.96	96.3
i othere	⊽	нgЛ	•	⊽	08/16/02	8260b	1	1.5	84.6	99.1	82.9
			7	The state of the s	1				•		

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Respectfully Submitted,

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3512 Montopolis Dr., Austin, TX 78744 & 2209 N. Padre Island Dr., Corpus Christi, TX 78408 (512) 385-5886 • FAX (512) 385-7411

Report#/Lab ID#: 132213 Sample Matrix: water Project ID: Bob Durham Sample Name: 36 Environmental Tech Group Ken Dutton Client: Attn:

		of the state of th			,
REPORT OF SURROGATE RECOVERY					
Surrogate Compound	Method	Recovery	Recovery Limit   Data Qualifiers	Data Qualifiers	
1,2-Dichloroethane-d4	8260b	94.4	80-120		
Toluene-d8	8260b	105	88-110		

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

Report Date: 08/20/02

Report Date: 08/20/02

Time: 09:30 Time: 18:32

Date Received: 08/08/2002 Date Sampled: 08/04/2002 Report#/Lab ID#: 132214 Project ID: Bob Durham Sample Matrix: water Sample Name: 18 NM 88240 FAX: 505 397-4701 Environmental Tech Group Address: 2540 W. Marland 505 397-4882 Ken Dutton Hobbs, Phone: Client: Attn:

103.18 104.64 102.97 106.96 93.87 Data Qual7 | Prec.2 | Recov.3 | CCV4 | LCS4 Ϋ́ -A'A-87.92 91.8 100.3 96.3 82.9 86.4 88.7 100.84 102.08 92.25 99.12 86.64 109.4 95.81 -AY-102.4 97.2 9.06 9.96 99.1 **QUALITY ASSURANCE DATA** 1 100.11 86.79 114.94 -AA-97.24 86.67 85.52 106.3 -NA-105.5 102.1 84.6 93 1.06 0.09 1.75 1.81 0.65 6.33 0.55 1.27 1.5 0.5 4.7 4.7 Ś 3 1 1 1 6010 & 200.7 6010 & 200.7 6010 & 200.7 258.1&7610 375.4&9038 325.2&9251 Method <sup>6</sup> 3010A 8260b 8260b 8260b 8260b 8260b 160.1 8260b 310.1 08/10/02 08/13/02 08/14/02 08/17/02 08/17/02 08/13/02 08/12/02 08/15/02 08/17/02 08/19/02 08/16/02 08/16/02 08/16/02 08/16/02 08/16/02 08/16/02 Date Blank €0.25 8 < 0.05 Ŋ ~ ~ Ŋ 1 4  $\nabla$  $\nabla$ ROL 5 0.05 ဂ္ဂ mg/L mg/L mg/LUnits mg/L mg/L mg/L mg/L mg/L mg/L ug/L hg/L µg/L E C ug/L Result 21.2 4.5 260 222 3.7 3.7 201  $\forall$  $\nabla$  $\triangle$ Volatile organics-8260b/BTEX REPORT OF ANALYSIS Total dissolved solids Metals Dig.-HNO3 Magnesium/ICP Alkalinity, total Potassium/AA Ethylbenzene m,p-Xylenes Calcium/ICP Sodium/ICP Parameter o-Xylene Chloride Fluoride Benzene Sulfate Toluene

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**[]**חמרא**5**אַּּ

2512 Montopolis Dr., Austin, TX 78744 & 2209 N. Padre Island Dr., Corpus Christi, TX 78408 (512) 385-5886 • FAX (512) 385-7411

Report#/Lab ID#: 132214 Sample Matrix: water

Project ID: Bob Durham Sample Name: 18

REPORT OF SURROGATE RECOVERY

Environmental Tech Group

Client:

Ken Dutton

Attn:

Surrogate Compound	Method	Recovery	Recovery Limit	Data Onalifiere	
				- CIANTED >	
1,2-Dichloroethane-d4	8260h	01	90 100		
		•	071-00	1	
Toluene-d8	8260h	7	00 110		
	2027	\$	011-99		
				•	

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

#### CINCIL YSYS

3512 Montopolis Dr., Austin, TX 78744 & 2209 N. Padre Island Dr., Corpus Christi, TX 78408 (512) 385-5886 • FAX (512) 385-7411

			()
Client: Environmental Tech Group Attn: Ken Dutton Address: 2540 W. Marland	:h Group	Report#/Lab ID#: 132215 Project ID: Bob Durham Sounds Nones Tries Plant	Report Date: 08/20/02
Hobbs,	NM 88240	Sample Matrix: water	
Phone: 505 307 4893	D 4 W. FOF 000 1000	Date Received: 08/08/2002	Time: 09:30
7004-146 COC .	FAA: 303 39/-4/01	Date Sampled: 08/07/2002	Time: 07:00
REPORT OF ANATUCE		The state of the s	

KEPOKT OF ANALYSIS							OHALITY ASSIRANCE DATA1	ASSIID	NCE D	TA1
Parameter	Result	Units	ROL 5	Blank	Date	Method 6	Data Ougl 7   Data 2   Deagu 3   Coxy4	D-2.2	Deepy 3	4000
Volatile organics-8260h/RTFX					7,7,7		Data Cuar	1100		3
			ļ		08/16/02	\$260b		!	400	ļ
Benzene	V	110/1		7	00/71/00	0000		Š		1
Frhylhensone		) )	•	7	70/01/00	97070		0.7	×1.7	102.4
	⊽	μg/L	<b></b>	⊽	08/16/02	8260h	-	v	105.5	07.0
{m,p-Xylenes	7	1/~.,	,,,	7	20,7,7,00	)   (		)	;	!
V. Vilono	7	T MH		√	70/91/90	8260b	1	4.7	93	90.6
o A Jene	⊽	hg/L	<b>, , ,</b>	⊽	08/16/02	8260b	-	4.7	102.1	9,96
louene	⊽	μg/L	₩.	7	08/16/02	8260b		,	84.6	1 00
								!	?	7:,,

LCS4

100.3

86.4

96.3 82.9

88.7

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That Y Sys

3512 Montopolis Dr., Austin, TX 78744 & 2209 N. Padre Island Dr., Corpus Christi, TX 78408 (512) 385-5886 • FAX (512) 385-7411

Sample Name: Trp Blank Project ID: Bob Durham Environmental Tech Group Ken Dutton Client: Attn:

Report#/Lab ID#: 132215 Sample Matrix: water

REPORT OF SURROGATE RECOVERY

	Secovery Recovery Limit Data Qualifier	8260b 94.8 80.120	
Commence of the contract of th	our ogate Compound	1,2-Dichloroethane-d4	Toluene-d8

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

Report Date: 08/20/02

100 y **S**ys

78408 3512 Montopolis Dr., Austin, TX 78744 & 2209 N. Padre Island Dr., Corpus Christi, TX FAX (512) 385-7411 (512) 385-5886

Report Date: 08/20/02

Time: 15:55 Time: 09:30

Date Received: 08/08/2002 Date Sampled: 08/04/2002 Report#/Lab ID#: 132216 Project ID: Bob Durham Sample Name: MW-24 Sample Matrix: water NM 88240 FAX: 505 397-4701 Environmental Tech Group Address: 2540 W. Marland 505 397-4882 Ken Dutton Hobbs. Phone: Client: Attn:

REPORT OF ANALYSIS

REPORT OF ANALYSIS		,					OUALITY ASSURANCE DATA1	SSURA	NCE DA	TA1	
Parameter	Result	Units	RQL 5	Blank	Date	Method 6	Data Qual 7 Prec. 2 Recov.3	Prec.2	Recov3	CCV4	LCS4
Metals DigHNO3	1		1		08/13/02	3010A	1				
Total dissolved solids	595	mg/L	. —	⊽	08/10/02	160.1	1	0.65	-NA-	-NA-	-NA-
Calcium/ICP	109	mg/L	10	<10	08/17/02	6010 & 200.7	***	16.83	93 77	101 84	04 62
Magnesium/ICP	13.3	mg/L	5,	Ŋ	08/17/02	6010 & 200.7	ļ	19.07	91.12	99.56	86.89
Potassium/AA	3.79	mg/L	0.5	<0.5	08/14/02	258.1&7610	ı	4.94	71.19	95.72	85.53
Sodium/ICF	52.9	mg/L	ଝ	00	08/17/02	6010 & 200.7	Newson .	8.71	78.12	99.28	98.56
Alkalinity, total	240	mg/L	2	<10	08/19/02	310.1	B-4	0.5	-NA-	-NA-	-NA-
Chloride	58.4	mg/L	ý	λ	08/12/02	325.2&9251		0.43	96.21	98.44	98.14
Fluoride	0.85	mg/L	0.05	<0.05	08/11/02	340.2		0	115.06	100	104.4
Sulfate	51.1	mg/L	10	V 10	08/15/02	375.4&9038		0.55	106.3	109.4	106.96
Volatile organics-8260b/BTEX					08/16/02	8260b	1	1	-	1	;
Benzene	7	T/SH	-	⊽	08/16/02	8260b		0.2	817	102.4	86.4
Ethylbenzene	⊽	hg/L	: 	.∇	08/16/02	8260b	-	٠,	105.5	97.2	100
m,p-Xylenes	⊽	hg/L		ī	08/16/02	8260b	ı	4.7	93	90.6	7 88 7
o-Xylene	⊽	μg/L	<b></b>	⊽	08/16/02	8260b	!	4.7	102.1	96.6	96.3
10juene		hg/L	1	∇	08/16/02	8260b	1.	1.5	84.6	99.1	82.9
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Richard Laster bradan

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Client: Attn:

78408 3512 Montopolis Dr., Austin, TX 78744 & 2209 N. Padre Island Dr., Corpus Christl, TX (512) 385-5886 • FAX (512) 385-7411

> Project ID: Bob Durham Sample Name: MW-24 Environmental Tech Group Ken Dutton

Report#/Lab ID#: 132216 Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Onaliffers	_
1,4-Dichloroethane-d4	8260h	04.4	001-08		
		***	071-00	1	_
Toluene-d8	8260h	<b>105</b>	00 110		
	00000	3	011-00	1	

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

Report Date: 08/20/02

又 হাতা এতা X 눉 ₽ PORTORIDE 3.002 W CO × gly dins X Ų CHAIN-OF-CUSTODY AND ANALYSIS RE( ववाश्वाता । X AISO POSCO TO 人以不识现物化 310 ANALYSIS REQUEST (Circle or Specify Method No.) SED ME WITHDRY 6.826/A.2T6 anoinAlanousD 1,031 201 प्र Sem Volatiles B270C BOBSB saluelo\ FCLP Semi Voletiles LCCL Volatiles REMARKS: \*CP, から, ICLP Melais Ag As Ba Cd Cr Pb 5e Hg Folei Metals Ag As Ba Cd Cr Pb Se Hg 60108/1470 RAY ON PAH 8270C (8100 New Mexico only) COCFLAI CPH 8015M GRO/DRO TPH 418.1/TX 1005 0000 B1508 X3T8 12. 34 55.51 55.51 SAMPLING **JMIT** 8-4-62 Time: 2 ST ST 5805 East Business 20 Midland, TX 79702 Tel (915) 687-3400 Far (915) 582-2761 ALL EOTT B. ... GY CORP **DATE PRESERVATION** For USE OF TENERGY CORP. P. NONE METHOD 1F 2000-7 × × × ICE Date: NaHSO, <sup>°</sup>CONH × Espour 4 HCF X 2540 Wesl Madand Hobbs, NM 88242 Tel (505) 397-4862 Fex (505) 397-4701 Sampler Signature: Received by: STUDGE MATRIX N N ЯΙΑ ZIOS Xet **MATER** × 4600 West Wat Midland, TX 79703 Tel (915) 522-1139 Fex (915) 520-4310 है JnuomA\əmulo\ 25:27 4 4 # CONTAINERS Time: Time: 111 442 7 12 3 FIELD CODE 819/02 MW-35-64 \*10 7 Date: Date: Chowlowent DUTHAM Derrien MATO! No Service Ph-35 mb-35 mon MIN といっ me どろし Relinquished by: Relinquished by: Project Manager Location; 132216 CEN St Name LABH

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	5 4600 West Wall 2340 West Marland	4600 West Wall 2540 West Marland EOTT Enteror CORP.  Multand, TX 18703 Hobba, Mr. 88242 Red Business 20  Multand, TX 18703 Hobba, Mr. 88242 Multand, TX 18702  Tel (916) 522-1139 Tel (605) 397-4827 Tel (915) 687-3400  Fax (916) 520-4310 Fax (505) 397-4701 Fex (915) 682-2781	4600 West Wab 2340 West Markand EOTT Enterind's CORP.  Multimed, TX 181723 Hobba, Mil 86242 Miland, TX 181723 Hobba, Mil 86242 Miland, TX 18172 Hobba, Mil 86242 Miland, TX 18172 Hobba, Mil 8624 Miland, TX 18172 Hobba, Mil 8624 Miland, TX 18172 Hobba, Mil 8624 Miland, TX 18172 Hobba, Mil 8624 Mil 862	### FOUT Least Number:  ###################################	September   Sept	Sampler Signature:   September   Septemb	Solution   Solution	Sold   Sold	Solution   Solution	Modern, TA 18773 Hooke, May 86242 Feet Business 20 Tel (814) 522-1138 Tel (815) 522-1138	Total Section   Total Sectio	100   100	Solution   Solution	Total Content	### FIELD CODE  ### FIELD CODE	### FIELD CODE   1990	Conversion   Con	San   San			Month Author   Control	Continue   Continue	Continue   National Part   N	FIELD CODE   1   100		FIELD CODE   Fig. 19   Standard Stand	FIELD CODE

78408 2209 N. Padre Island Dr., Corpus Christi, TX FAX (512) 385-7411 78744 & 3512 Montopolis Dr., Austin, TX (512) 385-5886

Report Date: 08/27/02

Report#/Lab ID#: 132501 Project ID: Bob Durham

Sample Name: MW 17 Sample Matrix: water Time: 08:00 Time: 15:40

Date Received: 08/12/2002 Date Sampled: 08/07/2002

Environmental Tech Group Address: 2540 W. Marland Ken Dutton Client: Attn:

Hobbs,

505 397-4882

Phone:

FAX: 505 397-4701

NM 88240

REPORT OF ANALYSIS

VETOKI UF ANALYSIS							OHALITY ASSTIBANCE DATAL	ACTIDA	NOE	1 1 1	
Parameter	Result	Units	ROL 5	Blank	Date	Mothod 6	Dete 0.217	n 2	חביים	TOTAL	£ 0.0
Metals DigHNO3	200		,		2017 1100	incialud.	Data Qual Free, Necov; CCV	rrec."	Necov.	ככל	rcs.
Potal dissolved colida	0	! '		1	08/10/07	3010A	1	!	1	1	-
Solids by the solids	686	mg/L		⊽	08/14/02	160.1	1	2.49	-NA-	-NA-	-NA-
Calcium/ICP	149	mg/L	01	<10	08/17/02	6010 & 2007		0.76	17 64	100.0	000
Magnesiun/ICP	24.1	me/L	٧.	ζ.	08/17/02	6010 % 2007		2 1	40.70	100.2	78.21
Potassium/AA	4.05	Lour		,	20111102	0010 & 200.7		0.74	94.74	99.24	100.63
Sodium/ICP	) S	T Allin	0.43	C7.0>	08/20/02	258.1&7610	1	1.93	87.67	103.73	95.56
	77	mg/L	2	~ ?0	08/17/02	6010 & 200.7	-	1.65	92.95	98.64	98.42
Aikalınıty, total	320	mg/L	10	<10	08/21/02	310.1		0.53	MA	117	1
Chloride	130	ma/I	v	Υ(	00/15/00			CO O	-WW-	-14A-	- <del>\</del>
Fluoride	? :	)	, ,	7 8	70/01/00	323.2009231	C-L	1.67	96.78	97.08	92.46
Culfate	7. ;		50.0	<0.0>	08/16/02	340.2	į	0	101.64	95.81	104.4
Juliar	7.	mg/L	01	<10	08/15/02	375,4&9038	1	0.86	108.50	104 07	1001
Volatile organics-8260b/BTEX					00/00/00	10,00		2.00	20.001	104.01	103.72
					00/20/02	826Ub	1	1	;	1	
beitzene	⊽	l ng/L	_	۲ <u>-</u>	08/20/02	8760h		0	6.50	,	
Ethylbenzene	⊽	ue/L	<b>p</b> ****	7	00/06/80	10000	!	0	5.4.3	<b>%</b>	88.3
m,p-Xylenes	\ \	17011		7 7	00/20/02	97900	1	3.1	92.6	117.7	103.9
J-Xvlene	; ;	1	<b>-</b>	V	08/20/02	8260b	1	3.1	89.2	119.4	96.7
Tol.::	<del>-</del>	l mg/L		⊽	08/20/02	8260b	!	2.5	03.8	115.5	
Tolnene	⊽	μg/L		V	CN/02/80	407C8		) •	0.7.	11.0.0	20.0
					70.00	02000	2	=	100.8	80.1	99.5
This abilitylical report is respectfully submitted by AnalySys, Inc. The enclosed results	dySys, Inc. The	enclosed result		ty assurance da	la is for the ear	1. Quality assurance data is for the cample hatch which included this	A Philosophia				
have been carefully reviewed and to she best of my beautiful	I also also also			17 A (.	35 J	משלטונו אזנונא נוספת משלט	ed this sample.	Precision	2. Precision (PREC) is the absolute int	he shootility	

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

Richard Laster Rechard

of the relative percent (%) difference between duplicate measurements. 3. Recovery (Recov.) is the percent (%) of analyte 2. Precision (PREC) is the absolute value 4. Calibration Verification (CCV) and Laboratory Control Sample (LCS) results are 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 typically denote USEPA procedures. Less than ("<") values reflect nominal quantitation limits adjusted for any required 5. Reporting Quantitation Limits (RQL), typically at or above the Practical Quantitation Limit (PQL) of the analytical method. 6. Method numbers expressed as the percent (%) recovery of analyte from a known standard or matrix. 1. Quality assurance data is for the sample batch which included this sample. than advisory limit. M =Matrix interference. recovered from a spiked sample.

700LY**5**45

3512 Montopolis Dr., Austin, TX 78744 & 2209 N. Padre Island Dr., Corpus Christi, TX 78408 (512) 385-5886 • FAX (512) 385-7411

Sample Matrix: water Project ID: Bob Durham Sample Name: MW 17 Environmental Tech Group Ken Dutton Client: Attn:

Report#/Lab ID#: 132501

# REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	110	80-120	
Toluene-d8	8260b	105	88-110	1

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

Report Date: 08/27/02

700LY**S**YS

3512 Montopolis Dr., Austin, TX 78744 & 2209 N. Padre Island Dr., Corpus Christi, TX 78408 (512) 385-5886 • FAX (512) 385-7411

Report Date: 09/11/02

Report#/Lab ID#: 132505 Project ID: Bob Durham Time: 08:00 Time: 10:45

Date Received: 08/12/2002 Date Sampled: 08/07/2002

Sample Matrix; water

Sample Name: Equipment Blank

Client: Environmental Tech Group
Attn: Ken Dutton

Address: 2540 W. Marland Hobbs, Phone: 505 397-4882 FA

FAX: 505 397-4701

NM 88240

# REPORT OF ANALYSIS

KEPUKI UF ANALYSIS							OHALITY ASSTIBANCE DATAL	ASSYIDA	NCE DA	T.A.1	
Parameter	Result	Units	RQL 5	Blank	Date	Method 6	Data Onal 7 Drag 2 Dagov 3 Cove	D. 20 2	Pacou 3	STATE OF THE PERSONS AND ADDRESS AND ADDRESS AND ADDRESS AND ADDRESS AND ADDRESS AND ADDRESS AND ADDRESS AND ADDRESS AND ADDRESS AND ADDRESS AND ADDRESS AND ADDRESS AND ADDRESS AND ADDRESS AND ADDRESS AND ADDRESS AND ADDRESS AND ADDRESS AND ADDRESS AND ADDRESS AND	1 004
Metals DigHNO3					08/14/02	30104	מפום לחמו	1150.	Mecuri		.co.
Total dissolved solids	70		-		70/1-1/00	V0100	1	i	i	1	;
John William (ICD)	2:4	ngu.	~-	1>	09/11/02	1.60.1	I	5.12	-NA-	-NA-	-NA-
	3.99	mg/L	0.1	<0.1	08/17/02	6010 & 200.7		0.76	87.64	100 2	08.21
Magnesium/ICF	<0.05	mg/L	0.05	<0.05	08/17/02	6010 & 200.7	1	0.74	04 74	7000	100 63
l'otassium/A.A	<0.05	mg/L	0.05	<0.05	08/26/02	258.1&7610	;	7 14	82.00	17:77	00.001
Sodium/ICP	<0.5	mg/L	0.5	<0.5	08/17/02	6010 & 2007		1 65	70.00	70.07	70.001
A kalinity total	5	,	,					0.1	74.93	78.04	78.42
Other state	01>	mg/L	01	01×	08/20/02	310.1	744	1.44	-NA-	-NA.	N.A.
Chioride	_ <0.5	mg/L	0.5	<0.5	08/19/02	325.289251	į	000	74 00	, , ,	200
Fluoride	0.072	The/T.	0.05		00/71/00	240.0		V ,	¥C:74	90.17	91.89
Sulfate	7	) [ ] ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) (	3 ,	0.0/	2001/00	2.040.2	,	0	101.64	95.81	104.4
1.7 1.73	7	IIIB/L		-  -	08/15/02	375.4&9038	1	0.55	106.3	109.4	106.96
Volatile organics-8260b/BTEX	1		1		08/18/02	8260b					
Benzene	\ \ \ \	1/0/1	-	7	00/10/00	.0.00					
Ethylhenzene	· 5	) :	<b></b>	7	70/91/90	8760b	!	8.	8	101.2	89.5
S. T. Vidence	<b>7</b>	HB/L		⊽	08/18/02	8260b	;	_	2 66	103 5	12
in, b-Ayienes	⊽	Hg/L		⊽	08/18/02	8260b	1	7	0 80	1 5	7 2
5-Xylene	7	ug/L		⊽	08/18/02	82.60b		}	20.7	100.4	102.4
Toluene	7		<b>,</b>	' -	0000000	07070	;	<u> </u>	102.8	103.8	106.1
	7	HE L		7	08/18/02	8260b	_	1.2	100.1	105.4	101
This analytical report is respectfully enhantited by ApplySus Inc. The application	lacking Inc. The		_								
have been carefully reviewed and to the best of my knowdades to	nyays, nic. me	enciosed resum		ty assurance da	ta is for the sa	1. Quality assurance data is for the sample batch which included this sample.		2. Precision	2. Precision (PREC) is the absolute volue	the ahead	9.1

Ins 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

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משטרא אליים

3512 Montopolis Dr., Austin, TX 78744 & 2209 N. Padre Island Dr., Corpus Christi, TX 78408 (512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group Attn: Ken Dutton

Project ID: Bob Durham Sample Name: Equipment Blank

Report#/Lab ID#: 132505 Sample Matrix: water

## REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Onalifiers
				<b>C</b>
1,2-Dichioroethane-d4	8260b	109	80-120	1
- T-E				
Toluene-d8	8260b	103	88-110	
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eport #/Lab ID#:132505 Matrix: water
lient: Environmental Tech Group
roject ID: Bob Durham
ample Name: Equipment Blank

## imple 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).

## ample 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.

### flag Discussion

arified 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.) etection 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 ackground levels/blanks and other potential sources of sampling and analytical contamination), though less than the Reported Quantitation Limit (RQL) is greater than the I flag data qualifier indicates (as required under TNRCC-TRRP reporting requirements) that the raw calculated analyte concentration in the sample (uncorrected for

# omments pertaining to Data Qualifiers and QC data:

arameter	Qualif	Qualif Comment
otal dissolved solids	н	Hold time for this parameter exceeded by days.
oluene	-	See J-flag discussion above.
otes:		

3512 Montopolis Dr., Austin, TX 78744 & 2209 N. Padre Island Dr., Corpus Christi, TX 78408 (512) 385-5886 • FAX (512) 385-7411

Report Date: 08/27/02

Report#/Lab ID#: 132502

Client: Environmental Tech Group

Address: 2540 W. Marland

dress: 2540 W. Mariand Hobbs,

NM 88240

505 397-4882 **FAX**:

?hone:

FAX: 505 397-4701

100 COC . WW. 200 721

Project ID: Bob Durham Sample Name: MW 26 Sample Matrix: water Date Received: 08/12/2002 Date Sampled: 08/07/2002

Time: 08:00 Time: 11:33

		-					1				
REPORT OF ANALYSIS		) ·					OUALITY ASSURANCE DATA1	ASSURA	NCE D	LTA1	
Parameter	Result	Units	RQL 5	Blank	Date	Method 6	Data Qual 7 Prec. 2 Recov. 3 CCV4	Prec.2	Recov3	_	LCS4
Metals DigHNO3	9 6 4	1	* 1		08/14/02	3010A		1			i
Fotal dissolved solids	1120	mg/L		⊽	08/14/02	160.1	l l	2.49	-NA-	-NA-	-NA-
Salcium/ICP	127	mg/L	01	<10	08/17/02	6010 & 200.7		0.76	87.64	100.2	98.21
Magnesium/ICP	35	mg/L	S	Ŋ	08/17/02	6010 & 200.7	;	0.74	94.74	99.24	100.63
Potassium/AA	3.78	mg/L	0.25	<0.25	08/20/02	258.1&7610	}	1.93	87.67	103.73	95.56
Sodium/ICP	257	mg/L	50	<50	09/04/02	6010 & 200.7	*	1.35	98.78	99.88	124.46
Alkalinity, total	310	mg/L	10	<10	08/20/02	310.1		1.44	-NA-	-NA-	-NA-
Chloride	276	mg/L	٧.	\$	08/19/02	325.2&9251	† †	0.99	92.54	96.17	91.89
Fluoride	2.2	mg/L	0.05	<0.05	08/16/02	340.2	!	0	101.64	95.81	104.4
Sulfate	123	mg/L	10	<10	08/20/02	375.4&9038	1	1.21	98.07	94.17	6.66
Volatile organics-8260b/BTEX			- 4.4		08/20/02	8260b		1	-		
Benzene	⊽	hg/L	1	⊽	08/20/02	8260b		0.8	94.3	84	88.3
Ethylbenzene	⊽	hg/L		⊽	08/20/02	8260b	-	3.1	95.6	117.7	103.9
m,p-Xylenes	⊽	μg/L		~	08/20/02	8260b	!	3.1	89.2	119.4	7.96
o-Xylene	7	hg/L	_	7	08/20/02	8260b	į	2.5	93.8	115.5	98.3
Toluene	< <u>-</u>	μg/L	,		08/20/02	8260b	f i	-	100.8	80.1	99.5

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

Richard Laster

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Client: Attn:

3512 Montopolis Dr., Austin, TX 78744 & 2209 N. Padre Island Dr., Corpus Christi, TX 78408 (512) 385-5886 • FAX (512) 385-7411

Report#/Lab ID#: 132502 Sample Matrix: water

Project ID: Bob Durham Sample Name: MW 26 Environmental Tech Group Ken Dutton

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	114	80-120	1
Toluene-d8	8260b	105	88-110	}
	_			

78408 2209 N. Padre Island Dr., Corpus Christi, TX FAX (512) 385-7411 78744 & 3512 Montopolis Dr., Austin, TX (512) 385-5886

Report Date: 08/27/02

Report#/Lab ID#: 132503 Project ID: Bob Durham

Sample Name: MW 27 Sample Matrix: water

Time: 14:20 Time: 08:00

Date Received: 08/12/2002 Date Sampled: 08/07/2002

Environmental Tech Group Address: 2540 W. Marland Ken Dutton Zlient: \ttn:

Hobbs,

NM 88240

505 397-4882

Phone:

FAX: 505 397-4701

DEDON'T OF ANIAT WAY								· ******	14.20		
SECULI OF ANALYSIS							OUALITY ASSURANCE DATAL	ASSUR/	NCE DA	TAI	
Parameter	Result	Units	ROLS	Blank	Date	Mathod 6	Posts On 17		T C	100	
Metals DigHNO3					2.5	nacinos	Data Quai : Frec." Recov.	rrec."	Kecovy	<u>ک</u> د	LCS.
Potest all and the property of the party of		!	1	[	08/14/02	3010A	1	3.4	71.		
Total dissol yet solids	860	mg/L	_	⊽	08/14/02	160.1	1	2.49	-NA-	-NA-	Y Z
_alcium/ICP	134	J/Buu	2	<10	08/17/02	6010 & 2007		75.0	67.60		17.
Vagnesium/ICP	22.9	_ πο/I.	<b>'</b>	Υ(	00/11/00	1000 a 0107		2	40.70	7.007	98.21
Potassium/AA	3 06	7 20 1	) (	7 8	00/11/02	5010 & 200./	-	0.74	94.74	99.24	100.63
30dinm/ICP	200	וייים ו	0.43	C7:0>	08/20/02	258.1&7610	1	1.93	87.67	103.73	95 56
	7.57	7/ãш	20	<50	08/17/02	6010 & 200.7	ţ	1.65	92.95	08 64	27.00
Alkalinity, total	320	me/L	10	017	08/00/00	210.1			(4:72	10.07	70.42
Chloride	100	,	? .	2 1	20/02/00	2.016	!	1.44	-NA-	-AA-	-NA-
97.00.17	S	7/Rm	n	0	08/19/02	325.2&9251	!	66.0	92 54	17 7 7	03 50
	1.7	mg/L	0.05	<0.05	08/16/02	340.2		,	10:01	7 1 1 1 1	71.07
Sulfate	4		10	, c.	00/00/00	4.0.0	!	>	101.64	95.81	104.4
Wolotile Argenian 9040t Marry			0.1	2.7	70/07/00	372.4629038	1	1.21	98.07	94.17	6.66
Volatic of gaines-62000/D LEA	à T F		1		08/20/02	8260b		-			
3enzene	∨	ug/L	1	⊽	08/20/02	8050k		ě			
Sthylbenzene	7	Day.		; ;	20,02,00	0000		». O	94.3	84	88.3
n n. Yulanac	,	1/91	-	7	70/07/80	8260b	1	3.	95.6	1177	103.0
ייייי יייי	⊽	hg/L		⊽	08/20/02	8260h			0,00	7 0 1	2.5.2
)-Xylene	⊽	I/an	_	7	08/20/02	0000		1:	7.60	119.4	7.06
Foluene	7			; ;	20/07/00	00000	;	2.5	93.8	115.5	98.3
	,	₩ <i>5</i> /10	-	⊽	08/70/07	8260b	1		100 %	1 08	2 00
T. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.									2	7.	77.7

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Richard Laster

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**J**nary**S**ys

78408 3512 Montopolis Dr., Austin, TX 78744 & 2209 N. Padre Island Dr., Corpus Christi, TX (512) 385-5886 • FAX (512) 385-7411

> Environmental Tech Group Ken Dutton Client:

Attn:

Project ID: Bob Durham Sample Name: MW 27

Report#/Lab ID#: 132503 Sample Matrix: water

REPORT OF SURROGATE RECOVERY

lethod Recovery Recovery Limit Data Qualifiers	8260b 110 80-120	8260b 106 88-110
Surrogate Compound	1,2-Dichloroethane-d4	Toluene-d8

### 01 4 **9** me.

78408 2209 N. Padre Island Dr., Corpus Christi, TX FAX (512) 385-7411 3512 Montopolis Dr., Austin, TX 78744 & (512) 385-5886

Report Date: 08/27/02

Report#/Lab ID#: 132504 Project ID: Bob Durham

Sample Name: MW 35 Sample Matrix: water

Time: 16:45 Time: 08:00

Date Received: 08/12/2002 Date Sampled: 08/07/2002

Environmental Tech Group Ken Dutton lient: ttn:

ddress: 2540 W. Marland Hobbs,

505 397-4882 hone:

FAX: 505 397-4701

88240 Σ

### EPORT OF ANALYSIS

EPORT OF ANALYSIS		:					QUALITY ASSURANCE DATA1	ASSURA	NCE DA	ATA1	
arameter	Result	Units	RQL5	Blank	Date	Method 6	Data Qual 7   Prec. 2   Recov.3   CCV4	Prec.2	Recov.3		LCS4
Aetals DigHNO3	1	****	:	7.6	08/14/02	3010A	1				
Potal dissolved solids	835	mg/L	<b>,</b>	⊽	08/14/02	160.1	ļ	2.49	-NA-	-NA-	-NA-
Calcium/ICP	572	mg/L	10	ol>	08/17/02	6010 & 200.7		0.76	87.64	100 2	98.21
/lagnesium/ICP	34.5	mg/L	S	\$	08/17/02	6010 & 200.7	; ;	0.74	94.74	99.24	100 63
20tassium/AA	4.64	mg/L	0.25	<0.25	08/20/02	258.1&7610	!	1.93	87.67	103.73	95.56
sodium/ICP	94.6	mg/L	20	<50	08/11/02	6010 & 200.7	1	1.65	92.95	98.64	98.42
Alkalinity, total	270	mg/L	10	<10	08/20/02	310.1		1.44	-NA	-NA.	NA.
Chloride	107	mg/L	S	Ą	08/19/02	325.2&9251		0.09	92.54	96.17	91 80
luoride	1.4	mg/L	0.05	<0.05	08/16/02	340.2		Ċ	101 64	95.81	104.4
Sulfate	108	mg/L	2	Ą	08/20/02	375.4&9038	!	0.64	92.19	92.11	96.08
Volatile organics-8260b/BTEX	1 0 1		792		08/18/02	8260b					
Jenzene	V	us/L	-	1	08/18/02	8040F		c	9		
3thy/benzene	∵ ⊽	) (S)	<b>-</b>	7 T	06/16/02	92505		хэ. О	68	101.2	89.5
n n. Xulenec	7 1	764	-4 p	7	70/10/07	82000	1		99.7	103.5	101
trip-txyrenes	⊽ `	LEYL -		⊽	08/18/02	8260b	1	0.7	6.86	100.4	102.4
J-Aylene	<u></u>	µg/L	-	~	08/18/02	8260b	<u> </u>	0	102.8	103.8	106.1
Toluene	√1	µg∕L		⊽	08/18/02	8260b	t 1	1.2	100.1	105.4	101
This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results	alySys, Inc. The	enclosed result		ity assurance do	ita is for the sa	1. Quality assurance data is for the sample batch which included this sample.	4 1	2. Precision	2. Precision (PREC) is the absolute value	the absolut	auley e

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Richard Laster andran

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

78408 3512 Montopolis Dr., Austin, TX 78744 & 2209 N. Padre Island Dr., Corpus Christi, TX (512) 385-5886 • FAX (512) 385-7411

> Environmental Tech Group Ken Dutton Client: Attn:

Project ID: Bob Durham Sample Name: MW 35

Report#/Lab ID#: 132504 Sample Matrix: water

Recovery Limit | Data Qualifiers 1 80-120 88-110 Recovery 120 101 Method 8260b 8260b REPORT OF SURROGATE RECOVERY Surrogate Compound 1,2-Dichloroethane-d4 Toluene-d8

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

Report Date: 08/27/02

IT ENERGY COR	Hobbs, IM 00312 5005 East 80-sthoses 20 Hobbs, IM 00312 Modernd, TX 19/02 Tel (205) 397-4807 Tel (915) 582-2781 Fax (505) 397-4701 Fax (915) 582-2781 (Circle or Specify Method No.)	EOTT Leak Number:	ETGI Project Number: M DACK	20.03 p	Section (1975)	MATER SOIL SOIL AIN AIN AIN AIN AIN AIN AIN AIN AIN AIN	X	X	X X X X X X X X X X X X X X X X X X X	X X 8/7 1/0 46	X 84/048	X X X X X X X	X	K 87 1420	X XX X 8/7 1/540 X	ary 48 XX	V 87.540	Received by: Dale: Time: POERARDYCO.	
For Use On E.O.	Midand, TX 79703 Fet (915) 522-1139 Fax (915) 520-1310	the	Wo	M)(N)		FIELD CODE CODE ## CONTRINERS ## CONTRINERS ## CONTRINERS		X T	 202	\$13.		·- · · · · · · · ·	200	83	(16.7)	82	2.5	Time:	7.33

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TAT 08A04A19 **TAT H2U**別 CHAIN-OF-CUSTODY AND ANALYSIS REQUEST Page 5000 (Circle or Specify Method No.) S.25514,216 anomAlahuhus. ANALYSIS REQUEST 17091 SQ1 20756 Suthinky S270C 60038 asimple Jano 40.0 ZeitheloV imeS RUDT CLP Volstiees TOTAL PROPERTY OF BEING AND PROPERTY OF THE UTAT/80108 숙구 요즘 4억 1급 타고 68 24 6A eleiblAisio1 PAH 6270C (81D0 New Mexico prof) TPH EDISH GRO/DRO REMARKS: URLE Hell SUNT X 1005 EXIVEX 1006 91EX 2021B/B1EX 82E0F SAMPLING LIME 5805 East Business 20 Middend, TX 79702 Tel (915) 687-3400 Fex (915) 502-2781 Time: EOTT ENERGY CORP. **DTAC** For the On EOTT ENERGY CORP. Francis Con PRESERVATION SNON METHOD ICE Date: ValtSO, FONH ETG! Project Number: EOTT Leak Number; Sampler Signalure, HCF 2540 West Medand Hobtos, NM 80242 Tel (505) 397-4882 Fax (505) 397-4101 Received by: Received at STADGE MATRIX ध्राष्ट TIOS **R**3TAW 4EDD West Wah Midland, TX 79703 Tel (915) 522-1139 Fax (915) 520-339 JrnuamAlemulaV ť # CONTAINERS Time: FIELD CODE Refinquished by Relinquished by Project Manager: Project Location (Lab Use Only) Project Name: LAB# '7V3

2209 N. Padre Island Dr., Corpus Christi, TX 78408 FAX (512) 385-7411 3512 Montopolis Dr., Austin, TX 78744 & (512) 385-5886

Report Date: 08/22/02 Time: 08:10 Тіте Date Received: 08/12/2002 Date Sampled: 08/07/2002 Report#/Lab ID#: 132472 Project ID: Bob Durham Sample Name: MW 29 Sample Matrix: water NM 88240 FAX: 505 397-4701 Environmental Tech Group Address: 2540 W. Marland 505 397-4882 Ken Dutton Hobbs, Client: Phone: Attn:

REPORT OF ANALYSIS

CICALORIA CICALORIA							OUALITY ASSURANCE DATA 1	ASSUR/	NCE D	${ m LTA}^{1}$	
Parameter	Result	Units	ROL.5	Blank	Date	Method 6	Data Onal 7 Prec 2 Recov 3 CCV4	Prec 2	Recov3	4VO	1.054
Metals DigHNO3					08/14/02	2010.4				2	
Total dierolized solids	,				70/11/00	WO LOC	;		i	!	1
Joint utssolved solids	1430	mg/L		⊽	08/14/02	1.091	1	2.49	-NA-	-NA-	-NA-
Calcium/ICP	119	mg/L	10	<10	08/17/02	6010 & 200.7		17.98	94.83	102.1	87.07
Magnesium/ICP	45.4	mg/L	٧,	Ą	08/17/02	6010 & 200.7	1	17.84	95.91	98.92	97.03
Potassium/AA	3.45	mg/L	0.25	<0.25	08/15/02	258.1&7610		3.84	117.04	88.36	106.51
Sodium/ICP	143	mg/L	જ	<b>Ş</b>	08/17/02	6010 & 200.7	1	14.03	95.13	99.64	88.06
Alkalinity, total	330	mg/L	10	95	08/20/02	310.1		4	-NA-	-NA.	NA.
Chloride	242	mg/L	٠,	Ą	08/15/02	325,2829251	!	1 67	96 78	97.08	02.46
Fluoride	4.3	mg/L	0.05	<0.05	08/16/02	340.2	ļ	2.05	92.00	2	£ 5
Sulfate	257	mg/L	0	OI>	08/15/02	375,4829038	!	0.86	108.52	104.87	103.72
Volatile organics-8260b/BTEX					08/00/00	40300				2	7).50.
0					20/07/02	00070		i	1	;	-
Denzene F.: .:	7	µg/L		⊽	08/20/02	8260b	-	8.0	94.3	84	88.3
Enylbenzene	⊽	T/8rl	_	⊽	08/20/02	8260b	-	3.1	92.6	117.7	103.9
m,p-Xylenes	⊽	µg/L	<del></del>	⊽	08/20/02	8260b	ļ		89.2	119.4	7.96
0-Xylene	7	hg/L		⊽	08/20/02	8260b	1	2.5	93.8	115.5	98.3
loluene	⊽	hg/L	-	7	08/20/02	8260b	1		100.8	80.1	99.5
			,					_			!

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Richard Latter Richard Laster

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

3512 Montopolis Dr., Austin, TX 78744 & 2209 N. Padre Island Dr., Corpus Christi, TX 78408 (512) 385-5886 • FAX (512) 385-7411

Report#/Lab ID#: 132472 Sample Matrix: water

Project ID: Bob Durham Sample Name: MW 29 Environmental Tech Group Ken Dutton Client: Attn:

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	117	80-120	-
Toluene-d8	8260b	109	88-110	;

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

Report Date: 08/22/02

2209 N. Padre Island Dr., Corpus Christi, TX 78408 FAX (512) 385-7411 3512 Montopolis Dr., Austin, TX 78744 & (512) 385-5886 •

Report Date: 08/22/02 Time: 08:10 Time: 12:03 Date Received: 08/12/2002 Date Sampled: 08/07/2002 Report#/Lab ID#: 132473 Project ID: Bob Durham Sample Name: MW 30 Sample Matrix: water NM 88240 FAX: 505 397-4701 Environmental Tech Group Address: 2540 W. Marland 505 397-4882 Ken Dutton Hobbs, Phone: Client: Attn:

REPORT OF ANALYSIS

REPORT OF ANALYSIS							<b>OUALITY ASSURANCE DATA<sup>1</sup></b>	ASSURA	NCE D/	LTA 1	
Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual 7 Prec. 2 Recov. 3 CCV4	Prec. <sup>2</sup>	Recov.3	CCV4	LCS4
Metals DigHNO3		ï	-		08/14/02	3010A					1
Total dissolved solids	681	mg/L		7	08/14/02	160.1	1	2.49	-N-	-NA-	-NA-
Calcium/ICP	8.76	mg/L	01	0I>	08/17/02	6010 & 200.7		17.98	94.83	102.1	87.07
Magnesium/ICP	14	mg/L	S	Ą	08/17/02	6010 & 200.7	1	17.84	95.91	98.92	97.03
Potassium/A.A.	3.22	mg/L	0.25	<0.25	08/15/02	258.1&7610	ļ	3.84	117.04	88,36	106.51
Sodium/ICP	69.3	mg/L	20	S	08/17/02	6010 & 200.7	ļ	14.03	95.13	99.64	98.06
Alkalinity, total	290	mg/L	01	<10 <10	08/20/02	310.1	-	4.	-NA-	-NA-	-NA-
Chloride	8.98	mg/L	0.5	<0.5	08/15/02	325.28.9251	1	1.67	96.78	97.08	92.46
Fluoride	1.1	mg/L	0.05	<0.05	08/16/02	340.2	1	2.05	98.76	100	100
Sulfate	31.6	mg/L	10	<10	08/12/02	375.4&9038	!	98.0	108.52	104.87	103.72
Volatile organics-8260b/BTEX	****		ļ		08/20/02	8260b			1776	1	
Benzene	⊽	hg/L	1	\	08/20/02	8260b	1	8.0	94.3	84	88.3
Ethylbenzene	⊽	HB/L	<del></del>	۲	08/20/02	8260b	ì	3.1	92.6	117.7	103.9
m,p-Xylenes	⊽	Hg/L	_	⊽	08/20/02	8260b	1	3.1	89.2	119.4	96.7
o-Xylene	⊽	hg/L	_	⊽	08/20/02	8260b	!	2.5	93.8	115.5	98.3
Toluene	<1	μg/L		∇	08/20/02	8260b	1	1.1	100.8	80.1	99.5

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Richard Laster

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**(1)** 

3512 Montopolis Dr., Austin, TX 78744 & 2209 N. Padre Island Dr., Corpus Christi, TX 78408 (512) 385-5886 • FAX (512) 385-7411

Project ID: Bob Durham Sample Name: MW 30 Environmental Tech Group Ken Durton Client: Attn:

Report#/Lab ID#: 132473
| Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers	
1,2-Dichloroethane-d4	8260b	110	80-120	***	
Toluene-d8	8260b	105	88-110	;	

**וו**חמר א**ס**מכּ

3512 Montopolis Dr., Austin, TX 78744 & 2209 N. Padre Island Dr., Corpus Christi, TX 78408 (512) 385-5886 • FAX (512) 385-7411

Report Date: 08/22/02 Time: 14:30 **Time:** 08:10 Date Received: 08/12/2002 Date Sampled: 08/07/2002 Report#/Lab ID#: 132474 Project ID: Bob Durham Sample Name: MW 14 Sample Matrix: water NM 88240 FAX: 505 397-4701 Environmental Tech Group Address: 2540 W. Marland 505 397-4882 Ken Dutton Hobbs, Phone: Client: Attn:

REPORT OF ANALYSIS

MELONI OF AIVALTEES							OUALITY ASSURANCE DATA	ASSUR/	NCE DA	$TA^{1}$	
Parameter	Result	Units	RQL 5	Blank	Date	Method 6	Data Ousl7 Prec.2 Recov3 CCV4	Prec. 2	Recov.3	CCV4	1.CS4
Metals DigHNO3		-		***	08/14/02	3010A					
Total dissolved solids	1800	mg/L	-	7	08/14/02	160.1	1	2.49	-NA-	-ŸĄ	-NA-
Calcium/ICP	163	mg/L	10	<10	08/17/02	6010 & 200.7		17.98	94.83	102.1	87.07
Magnesium/ICP	31	mg/L	\$	٧	08/17/02	6010 & 200.7	1	17.84	95.91	98.92	97.03
Potassium/AA	8.85	mg/L	0.5	<0.5	08/15/02	258.1&7610	1	3.84	117.04	88.36	106.51
SOGIUM/ICP	377	mg/L	20	ş	08/17/02	6010 & 200.7	ì	14.03	95.13	99.64	90.88
Alkalinity, total	330	mg/L	01	01×	08/20/02	310.1		4.1	-NA-	-NA-	-NA-
Chloride	703	mg/L	٠,	Ŋ	08/15/02	325.2&9251	!	1.67	96.78	97.08	92.46
Fluoride	4.	mg/L	0.05	<0.05	08/16/02	340.2	1	2.05	97.86	18	100
Sulfate	186	mg/L	01	<10	08/15/02	375.4&9038	1	98.0	108.52	$\overline{}$	103.72
Volatile organics-8260b/BTEX	**********		1		08/21/02	8260b	l		;		
Benzene		T/8ti	1	\	08/21/02	8260b		1.2	89.9	7.66	806
Ethylbenzene	⊽	нgЛ	_	⊽	08/21/02	8260b		0.3	8.66	8.66	100.4
m,p-Xylenes	⊽	hg/L		⊽	08/21/02	8260b	1	2.1	101.9	96.5	98.2
0-Aylene	⊽ `	hg/L		⊽	08/21/02	8260b	1	2.8	105.6	99.4	101.7
Tolucine	<1	μg/L	····	⊽	08/21/02	8260b	1	4:1	99.9	102.1	8.96

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Respectfully Submitted,

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 1 = 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. P =Poteision spike (PDS) trecovery exceeds advisory limit. S3 =MS and/or MSD and PDS recoveries exceed advisory limits. P =Precision higher than advisory limit. M =Matrix interference.

מייש אים ועל

3512 Montopolis Dr., Austin, TX 78744 & 2209 N. Padre Island Dr., Corpus Christi, TX 78408 (512) 385-5886 • FAX (512) 385-7411

Project ID: Bob Durham Sample Name: MW 14 Environmental Tech Group Ken Dutton Client: Attn:

Report#/Lab ID#: 132474 Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers	
1,2-Dichloroethane-d4	8260b	93.6	80-120		
Toluene-d8	8260b	102	88-110	*	

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

Report Date: 08/22/02

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REPORT OF ANALYSIS							OUALITY ASSURANCE DATA	ASSURA	INCE DA	LTA1	
Parameter	Result	Units	ROL 5	Blank	Date	Method 6	Data Onal 7 Prec 2 Recov 3 CCV4	Prec 2	Recov 3	\$V20	1 CS4
Metals DigHNO3	****	# T T	1	!	08/14/02	30104	,			2	
Total dissolved solids	1630	me/L	,	~	08/14/02	1601		3.40	! Y	\$	! \$
C. 10.10		•		;	70 11 1100	100.1		7.73	: <b>\</b>	-47-	
	142	mg/L	10	V 10	08/17/02	6010 & 200.7		17.98	94.83	102,1	87.07
Magnesium/ICP	28.1	mg/L	S	አ	08/17/02	6010 & 200.7	I	17.84	95.91	98 92	97 M
Potassium/AA	7.53	mg/L	0.25	<0.25	08/15/02	258.1&7610	***	3.35	120.99	10001	104.98
Sodium/ICP	307	mg/L	20	55	08/17/02	6010 & 200.7	l	14.03	95.13	99.64	88.06
Alkalinity, total	320	mg/L	10	o1>	08/20/02	310.1	1	4	-NA	-NA-	-NA.
Chloride	563	mg/L	S	ሪ	08/15/02	325.2&9251	ŀ	1.67	86.78	97.08	92.46
Fluoride	4.1	mg/L	0.05	<0.05	08/19/02	340.2	-	0	102.2	104.4	104
Suifate	168	mg/L	10	<10	08/15/02	375.4&9038	1	0.86	108.52	104.87	103.72
Volatile organics-8260b/BTEX	1				08/20/02	8260b	mar —	!		i	1
Benzene	[∨	hg/L	-	⊽	08/20/02	8260b		80	943	84	88.3
Ethylbenzene	7	µg∕L		7	08/20/02	8260b	[	3.1	92.6	117.7	103.9
m,p-Xylenes	⊽	hg/L	p-nd	⊽	08/20/02	8260b		3.1	89.2	119.4	06.7
0-Xylene	⊽	hg/L	_	⊽	08/20/02	8260b	1	2.5	93.8	115.5	98.3
Toluene	⊽	μg/L	-	⊽	08/20/02	8260b	1	, <u>-</u> -	100.8	80.1	99.5
			_		-		_			::;;	

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Richard faster

Richard Laster

of the relative percent (%) difference between duplicate measurements. 3. Recovery (Recov.) is the percent (%) of analyte 1. Quality assurance data is for the sample batch which included this sample. 2. Precision (PREC) is the absolute value 4. Calibration Verification (CCV) and Laboratory Control Sample (LCS) results are dilutions. 7. Data Qualifiers are J = analyte potentially present between the PQL and the MDL, B =Analyte detected in (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 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 expressed as the percent (%) recovery of analyte from a known standard or matrix. 5. Reporting Quantitation Limits than advisory limit. M = Matrix interference. recovered from a spiked sample.

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3512 Montopolis Dr., Austin, TX 78744 & 2209 N. Padre Island Dr., Corpus Christi, TX 78408 (512) 385-5886 • FAX (512) 385-7411

Report#/Lab ID#: 132475 Sample Matrix: water Project ID: Bob Durham Sample Name: MW 33 Environmental Tech Group Ken Dutton Client: Attn:

REPORT OF SURROGATE RECOVERY

ourrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers	
,2-Dichloroethane-d4	8260b	112	80-120	:	
Polucne-d8	8260b	106	88-110	[	

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

Report Date: 08/22/02

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2209 N. Padre Island Dr., Corpus Christi, TX 78408 FAX (512) 385-7411 3512 Montopolis Dr., Austin, TX 78744 & (512) 385-5886

Report Date: 08/28/02

81:60 Time: 08:00 Time:

Date Received: 08/12/2002 Date Sampled: 08/08/2002

Report#/Lab ID#: 132365 Project ID: Bob Durham Sample Name: MW-34 Sample Matrix: water NM 88240 Environmental Tech Group Address: 2540 W. Marland Ken Dutton Hobbs, Client: Attn:

FAX: 505 397-4701 505 397-4882 Phone:

REPORT OF ANALYSIS

REPORT OF ANALYSIS							<b>OUALITY ASSURANCE DATA</b>	ASSURA	ANCE DA	ATA 1	
Рагатеtет	Result	Units	RQL.5	Blank	Date	Method 6	Data Qual 7 Prec. 2 Recov.3	Prec.2	Recov.3	CCV4	LCS4
Metals DigHNO3		1	1	1	08/14/02	3010A		1		1	
Total dissolved solids	1560	mg/L	<del>,</del>	⊽	08/13/02	160.1	ļ	2.17	-NA-	-NA-	-NA-
Calcium/ICP	139	mg/L	10	<10	08/17/02	6010 & 200,7	1	16.83	93.77	101.84	96.62
Magnesium/ICP	31.4	mg/L	ۍ	\\$\	08/17/02	6010 & 200.7	1	19.07	91.12	99.56	86.89
Potassium/AA	5.89	mg/L	0.25	<0.25	08/19/02	258.1&7610	Į	3.41	110.07	85	112.42
Sodium/ICP	211	mg/L	20	<50	08/17/02	6010 & 200.7	l	8.71	78.12	99.28	98.56
Alkalinity, total	290	mg/L	01	<10	08/20/02	310.1		4.	-NA-	-NA-	-NA-
Chloride	410	mg/L	S	٨	09/02/02	325.2&9251	1	2.4	95.5	93	90.68
Fluoride	4.	mg/L	0.05	<0.05	08/16/02	340.2	-	2.05	97.86	100	001
Sulfate	161	mg/L	10	o[>	08/12/02	375,4&9038	I	3.71	92.93	101.58	102.55
Volatile organics-8260b/BTEX	!		1		08/19/02	8260b	-			,	Tı
Benzene	⊽	ug/L	1		08/19/02	8260b	****	3.6	93.3	100.8	68
Ethylbenzene	⊽	µg/L		⊽	08/19/02	8260b	ļ		100.3	97.5	101
m,p-Xylenes	⊽	μg/L	-	⊽	08/19/02	8260b	1	1.5	93.4	90.7	96.8
o-Ayiene	⊽	µg/L		⊽	08/19/02	8260b	1	1.5	86	93.5	100.4
Toluene	⊽	µg/L	<b>yed</b>	⊽	08/19/02	8260b	1	0.5	9.001	100.2	98.6
					-		_				_

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Richard

Richard Laster

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100 vg

3512 Montopolis Dr., Austin, TX 78744 & 2209 N. Padre Island Dr., Corpus Christi, TX 78408 (512) 385-5886 FAX (512) 385-7411

Report#/Lab 1D#: 132365 Sample Matrix: water

Project ID: Bob Durham Sample Name: MW-34 Environmental Tech Group Ken Dutton Client: Attn:

REPORT OF SURROGATE RECOVERY

MELONIO SONNOGALE NECOVERT					
Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers	
1,2-Dichloroethane-d4	90928	105	80-120	1	
Toluene-d8	8260b	106	88-110	!	

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3512 Montopolis Dr., Austin, TX 78744 & 2209 N. Padre Island Dr., Corpus Christi, TX 78408 FAX (512) 385-7411 (512) 385-5886

Client:	Environmental Tech Group	th Group	Report#/Lab ID#: 132366	Report Date: 08/28
Attn:	Ken Dutton	**************************************	Project ID: Bob Durham	•
ddress:	Address: 2540 W. Marland		Sample Name: MW-21	
	Hobbs,	NM 88240	Sample Matrix: water	
			Date Received: 08/12/2002	Time: 08:00
hone:	Phone: 505 397-4882	FAX: 505 397-4701	Date Sampled: 08/08/2002	Time: 17:10

Client:	Client: Environmental Tech Group	1 Group						Renort#/Lab ID#: 132366	#: 132366	Repor	Report Date: 08/28/02	/28/02	
Attn:	Ken Dutton	•		~~~				Project ID: Bob Durham	Durham	<b>4</b>			
Address	Address: 2540 W. Marland			<u></u> .				Sample Name: MW-21	AW-21				
	Hobbs,		NM 88240					Sample Matrix: water	water				
								Date Received: 08/12/2002	08/12/2002	Time: 08:00	08:00		
Phone:	Phone: 505 397-4882	FAX: 505 397-4701	97-4701					Date Sampled: 08/08/2002	08/08/2002	Time: 17:10	17:10		
REPORT	REPORT OF ANALYSIS								QUALITY ASSURANCE DATA1	ASSURA	NCE DA	ĽA1	
Parameter	er		Result	Units	RQL.5	Blank	Date	Method 6	Data Qual 7   Prec. 2   Recov.3   CCV4   LCS4	Prec.2 1	Recov.3	CCV4 1	LCS4
Metals Di	Metals DigHNO3		1		-	-	08/14/02	3010A			-		
Total diss	Total dissolved solids		620	mg/L		⊽	08/13/02	160.1	1	2.17	-NA-	-NANA-	-NA-
							_			-			

	•		3 - 0 0					-		[	F
	Kesult	Units	KQL'	Blank	Date	Method 9	Data Oual	Prec.	Prec. 2 Recov.3 CCV4	CCV	LCS4
Metals DigHNO3	1	1	1		08/14/02	3010A		i	1	ı	
Total dissolved solids	620	mg/L		⊽	08/13/02	160.1	-	2.17	-NA-	-NA-	-NA-
Calcium/ICP	102	mg/L	5	\$	08/11/02	6010 & 200.7		16.83	93.77	101.84	96.62
Magnesium/ICP	16.2	mg/L	2.5	2.5	08/11/02	6010 & 200.7	-	19.07	91.12	99.56	86.89
Potassium/AA	3.35	mg/L	0.25	<0.25	08/19/02	258.1&7610	ļ	5.72	127.29	96.06	19.96
Sodium/ICP	47.16	mg/L	25	<b>425</b>	08/17/02	6010 & 200.7	ļ	8.71	78.12	82.66	98.56
Alkalinity, total	300	mg/L	2	01×	08/20/02	310.1		4.	-NA-	-NA-	-NA-
Chloride	97.2	mg/L	~	۵	08/13/02	325.2&9251	1	1.42	101.29	105.99	97.21
Fluoride	=	mg/L	0.05	<0.05	08/16/02	340.2	1	2.05	97.86	001	100
Sulfate	45.1	mg/L	01	01>	08/15/02	375.4&29038	-	3.71	92.93	~~	102.55
Volatile organics-8260b/BTEX	***		ļ		08/19/02	8260b	1	!	!	1	
Benzene	⊽	hg/L	-		08/19/02	8260b	1	3.6	93.3	100.8	68
Ethylbenzene	⊽	µg/L	_	⊽	08/19/02	8260b	1		100.3	97.5	101
m,p-Xylenes	⊽	µg/L		7	08/19/02	8260b	ļ	1.5	93.4	90.7	8.96
o-Xylene	⊽	µg/L	<b>,</b> ,	⊽	08/19/02	8260b	ļ	5.	86	93.5	100.4
Топиеле	⊽	нg/L	_	⊽	08/19/02	8260b	1	0.5	100.6	100.2	98.6

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Richard Laster Richard

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3512 Montopolis Dr., Austin, TX 78744 & 2209 N. Padre Island Dr., Corpus Christi, TX 78408 (512) 385-5886 • FAX (512) 385-7411

Report#/Lab 1D#: 132366 Sample Matrix: water

Project ID: Bob Durham Sample Name: MW-21 Environmental Tech Group Ken Dutton Client: Attn:

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	105	80-120	
Foluene-d8	8260b	106	88-110	ļ

2209 N. Padre Island Dr., Corpus Christi, TX 78408 (512) 385-5886 FAX (512) 385-7411 3512 Montopolis Dr., Austin, TX 78744 &

Report Date: 08/28/02 Time: 08:00 Time: 08:20 Date Received: 08/12/2002 Date Sampled: 08/09/2002 Report#/Lab ID#: 132367 Project ID: Bob Durham Sample Name: MW-15 Sample Matrix: water NM 88240 FAX: 505 397-4701 Environmental Tech Group Address: 2540 W. Marland 505 397-4882 Ken Dutton Hobbs, Phone: Client: Attn:

REPORT OF ANALYSIS							<b>OUALITY ASSURANCE DATA</b>	ASSURA	NCE D	LTA1	
Parameter	Result	Units	RQL 5	Blank	Date	Method 6	Data Qual 7 Prec. 2 Recov.3 CCV4	Prec.2	Recov.3	CCV4	rcs4
Metals DigHNO3		-	1	***	08/14/02	3010A	1	1		-	1
Total dissolved solids	885	mg/L	p==4	∇'	08/13/02	160.1	ļ	2.17	-NA-	-NA-	-ĄĄ
Calcium/ICP	98.4	mg/L	10	01×	08/17/02	6010 & 200.7	* 9. *	16.83	93.77	101.84	29.96
Magnesium/ICP	20.8	mg/L	'n	\$	08/17/02	6010 & 200.7	1	19.07	91.12	99.56	86.89
Potassium/AA	3.43	mg/L	0.25	<0.25	08/19/02	258.1&7610	1	5.72	127.29	96.06	19.96
Sodium/ICP	78.1	mg/L	20	\$0	08/17/02	6010 & 200.7	1	8.71	78.12	99.28	98.56
Alkalinity, total	320	mg/L	10	0I>	08/22/02	310.1		0	-NA-	-NA-	-NA-
Chloride	131	mg/L	٧	۵	08/13/02	325.2&9251	ŀ	1.42	101.29	105.99	97.21
Fluoride	1.5	mg/L	0.05	<0.05	08/16/02	340.2	1	2.05	92.86	100	100
Sulfate	153	mg/L	01	0.	08/12/02	375.4&9038	-	3.71	92.93	101.58	102.55
Volatile organics-8260b/BTEX			1		08/19/02	8260b		1	-	I	1
Benzene	<b>~</b> 1	µg/L		⊽	08/19/02	8260b		3.6	93.3	100.8	68
Ethylbenzene	7	µg/L		∇'	08/19/02	8260b	-		100.3	5.76	101
m,p-Xylenes	⊽	µg/L		⊽	08/19/02	8260b	***	1.5	93.4	90.7	8.96
o-Xylene	₹	ng/L		⊽	08/19/02	8260b	1	1.5	86	93.5	100.4
Toluene	⊽	µg/L	_	⊽	08/19/02	8260b	l	0.5	100.6	100.2	98.6
								-			

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Richard

Richard Laster

of the relative percent (%) difference between duplicate measurements. 3. Recovery (Recov.) is the percent (%) of analyte 1. Quality assurance data is for the sample batch which included this sample. 2. Precision (PREC) is the absolute value 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 4. Calibration Verification (CCV) and Laboratory Control Sample (LCS) results are recovery exceeds advisory limit. S3 =MS and/or MSD and PDS recoveries exceed advisory limits. P =Precision higher expressed as the percent (%) recovery of analyte from a known standard or matrix. 5. Reporting Quantiation Limits (RQL), typically at or above the Practical Quantitation Limit (PQL) of the analytical method. 6. Method numbers associated method blank(s). SI =MS and/or MSD recovery exceed advisory limits. S2 =Post digestion spike (PDS) than advisory limit. M -Matrix interference. recovered from a spiked sample.

Page#: 1

3512 Montopolis Dr., Austin, TX 78744 & 2209 N. Padre Island Dr., Corpus Christi, TX 78408 (512) 385-5886 • FAX (512) 385-7411

Report#/Lab ID#: 132367 Sample Matrix: water

Ken Dutton Attn:

Environmental Tech Group

Client:

Project ID: Bob Durham Sample Name: MW-15

Data Qualifiers Recovery Limit 80-120 88-110 Recovery 109 105 Method 8260b 8260b REPORT OF SURROGATE RECOVERY Surrogate Compound 1,2-Dichloroethane-d4 Toluene-d8

| |

2209 N. Padre Island Dr., Corpus Christi, TX 78408 3512 Montopolis Dr., Austin, TX 78744 & FAX (512) 385-7411 (512) 385-5886

Report Date: 08/28/02

Report#/Lab ID#: 132368

Project ID: Bob Durham Sample Name: MW-10 Sample Matrix: water

Environmental Tech Group Address: 2540 W. Marland Ken Dutton Client: Attn:

Hobbs,

NM 88240

FAX: 505 397-4701 505 397-4882

Phone:

Time: 08:00 Time: 09:18 Date Sampled: 08/09/2002

Date Received: 08/12/2002

REPORT OF ANALYSIS

							OUALITY ASSURANCE DATA!	ASSUR.	INCE D	, Y	
Parameter	Result	Units	ROL 5	Blank	Date	Method 6	Data Onal 7		Proc 2 Recov.3 CCV4	\$7.00	1.08
Metals DigHNO3	1		!		08/14/02	3010A					
Total dissolved solids	754	mg/L		∇	08/13/02	160.1	1	2.17	-AA-	-NA-	Ą.
Calcium/ICP	121	mg/L	10	<10	08/17/02	6010 & 200.7	!	16.83	93.77	101.84	9 90
Magnesium/ICP	18.3	mg/L	8	۵	08/17/02	6010 & 200.7	!	19.07	91.12	99.56	86.8
Potassium/AA	4.23	mg/L	0.25	<0.25	08/19/02	258.1&7610	1	5.72	127.29	90.06	96,61
Sodium/ICP	194	mg/L	20	\$0	09/04/02	6010 & 200.7	1	1.35	98.78	99.88	124.4
Alkalinity, total	330	mg/L	01	01>	08/22/02	310.1	!	0	-NA-	-NA-	X.
Chloride	132	mg/L	2	Ą	08/13/02	325.2&9251	1	1.42	101.29	105.99	97.21
Fluoride		mg/L	0.05	<0.05	08/16/02	340.2	1	2.05	97.86	100	0
Sulfate	39.1	mg/L	10	0[▽	08/15/02	375.4829038	!	3.71	92.93		*****
Volatile organics-8260b/BTEX					08/19/02	8260b		1	ļ	!	}
Benzene	6.88	µg/L	-	▽	08/19/02	8260b		3.6	93.3	100 8	8
Ethylbenzene	⊽	μg/L	_	⊽	08/19/02	8260b	1		100.3	97.5	0
m,p-Xylenes	⊽	µg/L	-	⊽	08/16/02	8260b		1.5	93.4	90.7	96.8
o-Aylene	⊽	hg/L		⊽	08/19/02	8260b	1	1.5	86	93.5	100.4
Louene	⊽	hg/L	_	⊽	08/19/02	8260b	1	0.5	100.6	100,2	98.6

A-62 89 61 4-8-

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Richard Laster Richard

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

Page#: 1

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3512 Montopolis Dr., Austin, TX 78744 & 2209 N. Padre Island Dr., Corpus Christi, TX 78408 (512) 385-5886 • FAX (512) 385-7411

Report#/Lab ID#: 132368 le Matrix: water Project ID: Bob Durham Client: Environmental Tech Group

****						Inday
Arrn:	Ken Dutton	S	Sample Name: MW-10	W-10		Sample
REPOR	REPORT OF SURROGATE RECOVERY					
Surroga	Surrogate Compound	Method	Recovery	Recovery Recovery Limit   Data Qualifiers	Data Qualifiers	
1,2-Dich	,2-Dichloroethane-d4	8260b	109	80-120		
Toluene-d8	d8	8260b	102	88-110	ı	

3420 TAT GRADHATS TAT HRUP σ ř Page CHAIN-OF-CUSTODY AND ANALYSIS REC ANALYSIS REQUEST (Circle or Specify Method No.) CatonalAnions 375.4/325.3 1.031 201 Semi Volaties 8270C 80928 Səljiglo/ TOLP Semi Volatiles TCLP Metals Ag As Ba Cd Cr Pb Sa Hg 1912 Ag As Be Cd Cr Pb Se Hg 60108/7470 AN 8270C (8100 New Mexico only) TPH 8015M GROVORO REMARKS: 1.814 843 8001 XTURE 2001 XT HR 80358 X318/61508 X318 2,50 021 SAMPLING IME Time: 5805 East Business 20 Midland, TX 79702 Fet (915) B87-3400 Fax (915) 582-2761 200 EOTT ENERGY CORP. **BTAO** S Cart PRESERVATION NONE METHOD For Use On EOTT ENERGY CORP CE Date: \*OSHPN HNO ETGI Project Mynber EOTT Leak Number. HCF 2540 West Martand Hobbs, NM 88242 Tel (505) 397-4882 Fax (505) 397-4701 Received by: MATRIX STADGE RIA 7109 **NATER** 4600 Wast Wall Midland, TX 79703 Tel (915) 522-1139 Fax (915) 520-110 SE. InuomA\amulo\ # CONTAINERS 2 тіте: FIELD CODE Date: NW / Z MNS-V 132365 MVW - 34 Project Manager: roject Location: 132366 quished Project Name: Lab Use Only LAB# TAUS

לאבורא**ס**אפוני

2209 N. Padre Island Dr., Corpus Christi, TX 78408 FAX (512) 385-7411 3512 Montopolis Dr., Austin, TX 78744 & (512) 385-5886

Report Date: 08/27/02

Report#/Lab ID#: 132373

Project ID: Bob Durham

Sample Name: MW-11 Sample Matrix: water Time: 08:00 Time: 07:58

Date Received: 08/12/2002 Date Sampled: 08/09/2002

Environmental Tech Group Ken Dutton Client: Attn:

Address: 2540 W. Marland Hobbs,

NM 88240

Phone:

FAX: 505 397-4701 505 397-4882

REPORT OF ANALYSIS

97.03 88.06 103.72 Data Qual 7 | Prec. 2 | Recov.3 | CCV4 | LCS4 87.07 96.61 97.21 100,4 ₹ 8.96 98.6 101 83 105.99 104.87 96.06 99.64 98.92 100.8 100.2 102.1 -NA-97.5 90.7 93.5 OUALITY ASSURANCE DATA 127.29 101.29 -NA-08.52 100.6 94.83 95.13 92.86 95.91 100.3 93.4 ₽ Y-86 17.98 2.17 17.84 14.03 5.72 2.05 0.86 1.42 .5 --1 6010 & 200.7 6010 & 200.7 258.1&7610 375.4&9038 5010 & 200.7 325.2&9251 Method <sup>6</sup> 3010A 160.1 8260b 8260b 8260b 8260b 8260b 8260b 310.1 08/14/02 08/19/02 08/13/02 08/15/02 08/19/02 08/13/02 08/17/02 08/17/02 08/17/02 08/22/02 08/16/02 08/19/02 08/19/02 08/19/02 08/19/02 08/19/02 Date Blank < 0.25 <0.05 8 <u>\$</u> \$ Ŋ  $\nabla$  $\overline{\mathsf{v}}$  $\overline{\mathsf{v}}$ 10 5 0.25 50 ROL 5 0.05 10 mg/L Units mg/L mg/Lmg/L μg/L  $\mu g/L$ mg/L mg/L mg/L mg/Lmp/I  $\mu g/L$ μg/L µg∕ľ. Result 110 21.9 3.75 89.1 340 132 40 801 .. Į  $\nabla$  $\overline{\mathsf{v}}$  $\overline{\vee}$  $\nabla$ Volatile organics-8260b/BTEX Total dissolved solids Metals Dig.-HN03 Magnesium/ICP Alkalinity, total Potassium/AA Ethylbenzene т,р-Хylenes Calcium/ICP Sodium/ICP Parameter Chloride o-Xylene Fluoride Benzene Toluene Sulfate

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test. امتملانا

Richard Laster

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

**(1**) המרא**5** 

3512 Montopolis Dr., Austin, TX 78744 & 2209 N. Padre Island Dr., Corpus Christi, TX 78408 (512) 385-5886 FAX (512) 385-7411

Report#/Lab ID#: 132373 ıple Matrix: water Project ID: Bob Durham Environmental Tech Group Client:

Attn:	Attn: Ken Dutton	Sa	Sample Name: MW-11	IW-11		Samp
REPOR	REPORT OF SURROGATE RECOVERY					·]
Surroga	urrogate Compound	Method	Recovery	Recovery Limit Data Oualifiers	Data Oualifiers	
1,2-Dichl	1,2-Dichloroethane-d4	8260b	111	80-120	, 1	
Toluene-d8	81	8260b	20	88-110		

3512 Montopolis Dr., Austin, TX 78744 & 2209 N. Padre Island Dr., Corpus Christi, TX 78408 (512) 385-5886 • FAX (512) 385-7411

Report Date: 08/27/02

Report#/Lab ID#: 132374

Project ID: Bob Durham

Sample Name: MW-13 Sample Matrix: water

Client: Environmental Tech Group
Attn: Ken Dutton

Address: 2540 W. Marland Hobbs,

NM 88240

Phone: 505 397-4882 FAX: 505 397-4701

Date Sampled: 08/09/2002 Time: 08:35

Time: 08:00

Date Received: 08/12/2002

97.03 96.61 88.06 103.72 Data Qual 7 | Prec, 2 | Recov.3 | CCV4 | LCS4 -₩ 97.21 ڄ ڄ 84.5 96.8 88.4 74. 86 105.99 104.87 96.06 98.92 99.64 -YY-92.8 100 85.1 102.1 97 OUALITY ASSURANCE DATA 101.29 -NA-127.29 108.52 94.83 95.13 -NA-93.86 95.91 9,66 96.2 87 2.17 17.84 17.98 5.72 14,03 1.42 2.05 98.0 0.9 0.3 0.7 0 1 į 6010 & 200.7 6010 & 200.7 258.1&7610 6010 & 200. 375.4&9038 Method <sup>6</sup> 325.2&9251 3010A 8260b 8260b 8260b 8260b 8260b 160.1 8260b 310.1 340.2 08/14/02 08/17/02 08/19/02 08/13/02 08/13/02 08/17/02 08/17/02 08/22/02 08/16/02 08/15/02 08/22/02 08/22/02 08/22/02 08/22/02 08/22/02 08/22/02 Date Blank < 0.25 <0.05 2.5 0 |∨ 25 ٧ Ą  $\vec{\nabla}$  $\nabla$  $\nabla$ ROL 5 2.5 0.25 25 10 5 0.05 mg/L Units mg/L mg/L mg/L ηg/L hg/L mg/L mg/L mgL mg/L mg/L μg/L hg/L Result 220 108 81.4 49.7 106 20 1.89 390 112 1.2 1 Volatile organics-8260b/BTEX REPORT OF ANALYSIS Total dissolved solids Metals Dig.-HN03 Magnesium/ICP Alkalinity, total Potassium/AA Ethylbenzene m,p-Xylenes Calcium/ICP Sodium/ICP Parameter o-Xylene Chloride Fluoride Benzene Toluene Sulfate

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Respectfully Submitted,

Richard Laster

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**(1**) המרא**5** 

3512 Montopolis Dr., Austin, TX 78744 & 2209 N. Padre Island Dr., Corpus Christi, TX 78408 (512) 385-5886 • FAX (512) 385-7411

Report#/Lab ID#: 132374 ample Matrix: water Project ID: Bob Durham Environmental Tech Group Client:

Attn: Ken	Ken Dutton	Sa	Sample Name: MW-13	IW-13		San
REPORT OF SURR	SURROGATE RECOVERY				Markithinia war war was a sa sa sa sa sa sa sa sa sa sa sa sa	
Surrogate Compour	punodu	Method	Recovery	Recovery Limit Data Oualifiers	Data Qualifiers	
1,2-Dichloroethane-d4	ane-d4	8260h	113	80-120		
Toluene-d8		8260b	101	88-110		

### Exceptions Report:

Attn: Ken Dutton Report #/Lab ID#: 132374 Matrix: water Client: Environmental Tech Group Project ID: Bob Durham 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:

				A STATE OF THE PROPERTY OF THE		
111 C C C C C C C C C C C C C C C C C C	Qualif Comment	See J-flag discussion above.		The same and the same and the same of the	THE PARTY OF THE P	
	Qualif	5				
	Parameter	Sulfate	Notes:	The state of the s		

Page#: 3

3512 Montopolis Dr., Austin, TX 78744 & 2209 N. Padre Island Dr., Corpus Christi, TX 78408 (512) 385-5886 • FAX (512) 385-7411

te: 08/27/02

Client:	Client: Environmental Tech Group	n Group	Report#/Lab ID#: 132375	: 132375	Report Date:
Attn: ]	Ken Dutton		 Project ID: Bob Durham	Jurham	
Address: `	Address: 2540 W. Marland		 Sample Name: MW-9	W-9	
	Hobbs,	NM 88240	 Sample Matrix: water	vater	
,			Date Received: 08/12/2002	8/12/2002	Time: 08:00
hone:	Phone: 505 397-4882	FAX: 505 397-4701	 Date Sampled: 08/09/2002	8/09/2002	Time: 09:55

REPORT OF ANALYSIS							<b>OUALITY ASSURANCE DATA</b>	ASSUR	ANCE DA	\TA!	
Parameter	Result	Units	RQL.5	Blank	Date	Method 6	Data Oual 7 Prec. 2 Recov. 3 CCV4 1 LCS4	Prec. 2	Recov.3	CCV4	LCS4
Metals DigHNO3	1	Personal	,	1.	08/14/02	3010A	1	1		!	
Total dissolved solids	₹	mg/L		⊽	08/13/02	160.1	1	2.17	-NA-	-NA-	-A'A-
Calcium/ICP	130	mg/L	10	<10	08/17/02	6010 & 200.7		17.98	94.83	102.1	87.07
Magnesium/ICP	20	mg/L	'n	۵	08/17/02	6010 & 200.7	1	17.84	95.91	98.92	97.03
Potassium/AA	4.15	mg/L	0.25	<0.25	08/19/02	258.1&7610	1	5.72	127.29	96.06	19.96
Sodium/ICP	70.6	mg/L	20	\$	08/17/02	6010 & 200.7	-	14.03	95.13	99.64	88.06
Alkalinity, total	390	mg/L	01	V 10	08/22/02	310.1		0	-NA-	-NA-	-NA-
Chloride	801	mg/L	\$	Ą	08/13/02	325.2&9251	!	1.42	101.29	105.99	97.21
Fluonde	1.5	mg/L	0.05	<0.05	08/16/02	340.2	1	2.05		100	
Suitate	48	mg/L	<b></b>	⊽	08/15/02	375.4&9038	ł	98.0	108.52	104.87	103.72
Volatile organics-8260b/BTEX	1		1		08/20/02	8260b		****		!	1
Benzene	⊽	Hg/L		▽	08/20/02	8260b	1	0.8	94.3	84	88.3
Ethylbenzene	⊽	hg/L		⊽	08/20/02	8260b	1	3.1	92.6	117.7	103.9
m,p-Xylenes	⊽	µg/L		∀	08/20/02	8260b	1	3.1	89.2	119.4	7.96
0-Aylene	⊽	µg/L	poorq	⊽	08/20/02	8260b	i	2.5	93.8	115.5	98,3
l oluene	⊽	µg/L		⊽'	08/20/02	8260b	1	:	100.8	80.1	99.5
								-	_	-	

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Respectfully Submitted,

Richard Laster

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3512 Montopolis Dr., Austin, TX 78744 & 2209 N. Padre Island Dr., Corpus Christi, TX 78408 (512) 385-5886 • FAX (512) 385-7411

Project ID: Bob Durham Sample Name: MW-9 Environmental Tech Group Ken Dutton Client: Attn:

Report#/Lab ID#: 132375 Sample Matrix: water

## REPORT OF SURROGATE RECOVERY

Commonwealth Commonwealth					
Sail ogate Compound	Method	Recovery	Recovery Limit	Data Onalifiere	
			,		
i,z-Dichioroethane-d4	8260h	4.7	001100		
:			071-00	1	
l oluene-d8	8260b	107	88-110		

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

Report Date: 08/27/02

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Attn: Ken Dutton Report #/Lab ID#:132375 Matrix: water Client: Environmental Tech Group Project ID: Bob Durham Sample Name: MW-9

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 sample 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 stag Discussion

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), GCMS organics results may or MAY NOT have been verified as to the presence and relative ratio of target ions (e.g. the material causing the J flag "hit" in such situations may be nothing more than background ion-fragment noise.) A J flag data qualifier indicates (as required under TNRCC-TRRP reporting requirements) that the raw calculated analyte concentration in the sample (uncorrected for

Comments pertaining to Data Qualifiers and QC data:

Parameter Benzene	Qualif	Qualif Comment  J See J-flag discussion above.
Notes:		
The state of the s		

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Send Reports To:			Bil	to (if	I to (if different):							j j	ו החוק	
Company Name <u>e76</u> /			Con	apany	Company Name					4221 Fi	eidrich L	ane, Suite	4221 Freidrich Lane, Suite 190, Austin, TX 78744	\$
Address 4600 w, well	ll		Add	idress								(512) 444-5896	-5896	
City Trigonal State	State TA Zip 75703	50636	City	1		State	Zip							
ATTN: Then Button	)		- A	:NL		1				\	Ans	lycoe D	Analysas Baginastad (1)	
Phone 215-5-1134 Fax 915-5-43/0	415-23	2/54-0	Phone	ne		Fax				H	ease altach	n explanator	Please attach explanatory information as required	豆
Rush Status (must be confirmed with lab mgr.):	ed with la	tb mgr.):						`	1	SO SO SO SO SO SO SO SO SO SO SO SO SO S	6:			1
Project Name/PO#: Bol Durlo Sampler:	1 gen	Samp	ler:					<b>(</b> ?	Ź	S O	/		\	
						Į.	*	6/	<u>ک</u>	/ !e	\	\	\	
Client Sample No. Description/Identification	Date Sampled	Date Time No. of Sampled Container	No. of Containers	Soil	Water Waste	Water Waste (Lab Only)							Comments	<del></del>
//-mw	8510 50-7-8	0758	7		 	132373	K	E		F		_		1
MW-13	8-807	1-802 0835	>		7	132374	ド イン	X						Т-
8-3×	8-9-02	St. 20-7-8	Z			132375								
					1			<i>ز</i> ب	_					

(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.

	Sample Received By	Bv	
Aililiation Date Time	Name Affiliation	Date	Tries.
164/ 1912	1437 millimittem shows 24	10/0/C) CS/C/C	
	2	0/12/10	} }

**(1)**101 **(2) (2) (3) (3)** 

3512 Montopolis Dr., Austin, TX 78744 & 2209 N. Fadre Island Dr., Corpus Christi, TX 78408 (512) 385-5886 FAX (512) 385-7411

/h...

Report#/Lab ID#: 132656 Report Date: 08/27/02 Project ID: Bob Durham Sample Name: MW 38 Sample Matrix: water Date Received: 08/16/2002 Time: 10:15 Date Sampled: 08/13/2002 Time: 16:14		
002 1 002 1	Client: Environmental Tech Group	
002		
• • •	NM 88240	
Date Sampled: 08/13/2002 Time: 16:14		
	FAX: 505 397-4701	

REPORT OF ANALYSIS							<b>QUALITY ASSURANCE DATA</b>	ASSUR,	ANCE DA	ATA1	
Parameter	Result	Units	ROL <sup>5</sup>	Blank	Date	Method 6	Data Ousl 7 Prec. 2 Recov.3   CCV4	Prec. 2	Recov.3	CCV4	1,084
Metals DigHNO3	;	1	1	-	08/19/02	3010A	1				
Total dissolved solids	730	mg/L	_	⊽	08/19/02	160.1	ļ	3.26	-NA-	-kA-	-NA-
Calcium/ICP	162	mg/L	10	ot>	08/20/02	6010 & 200.7		14.33	100.86	100.86	122.16
Magnesium/ICP	33.3	mg/L	S	\$	08/20/02	6010 & 200.7	1	13.24	103.27	95.92	109.95
Potassium/A.A	4.83	mg/L	0.25	<0.25	08/20/02	258.1&7610	1	7.46	97.05	95.41	103.02
Sodium/ICP	127	mg/L	20	<50	08/20/02	6010 & 200.7	****	5.93	102.51	101.64	118.2
Alkalinity, total	420	mg/L	2	<10	08/26/02	310.1		0	-NA-	-NA-	-NA-
Chloride	129	mg/L	٠,	7	08/19/02	325.2&9251	1	0.99	92.54	96.17	91.89
Fluoride	0.99	mg/L	0.05	<0.05	08/19/02	340.2	1	0	102.2	104.4	104.4
Sulfate	20	mg/L	2	4	08/20/02	375.4&9038	-	29.0	92.19	92.11	96.08
Volatile organics-8260b/BTEX	<b>;</b>				08/22/02	8260b				!	1
Benzene	۲∨	ηg/L	_	⊽	08/22/02	8260b	1	6.0	82.4	84.7	74.1
Ethylbenzene	16.3	Hg/L	_	⊽	08/22/02	8260b		0.5	9.66	6	86
m,p-Xylenes	33.8	µg/L	_	⊽	08/22/02	8260b	1	0.3	87	85.1	84.5
o-Xylene	⊽	hg/L		۲	08/22/02	8260b	1	0.7	96.2	92.8	96.8
loluene	∀	hg/L	_	⊽	08/22/02	8260b	1	4.	81.5	81.6	88.4
						, , , , , , , , , , , , , , , , , , ,					

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

e (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.

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

**רו**חם איב

Client:

Attn:

3512 Montopolis Dr., Austin, TX 78744 & 2209 N. Padre Island Dr., Corpus Christi, TX 78408 (512) 385-5886 • FAX (512) 385-7411

Report#/Lab ID#: 132656 Sample Matrix: water Project ID: Bob Durham Sample Name: MW 38 Environmental Tech Group Ken Dutton

Surrogate Compound Method

Recovery Limit Data Qualifiers

Recovery

| |

1,2-Dichloroethane-d48260b88.380-120Toluene-d88260b10488-110Data Qualificis: D= Sumpgates diluted and X= Sumpgates outside advisory rocovery limits.

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	Attn: Ken Dutton		
Matrix: water	dno	•	
ab ID#: 132656 Mat	nmental Tech G	ob Durham	:: MW 38
Report #/Lab ID#:132656 Matrix: water	Client: Environmental Tech Group	Project ID: Bob Durham	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

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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:

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Ano One	ENERCY CORP. SEM Business 20 and, TX 79702 815) 697-3400 916] 662-2781								∃TA		18-8	8-13 14	8-13 16	-		1						Time:			机
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OTT ENERGY CORP.	2540 West Mertand Hobbs, NW 88242 Tel (505) 397-4882 Fax (508) 397-4701		EOTT Leak Number:	ETGI Project Number:	Sampler Signature:	A	MATRIX		PLUDGE	+-							-		+	-		Received by:		ecelyed artabib	70 C
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Fox	4600 West War Midara, TX 19703 Tel (815) 522-139 Fer (815) 520-4310							SABNI	# CONTA		2	-	[7]									Time:	730	Time:	
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		Troloct Manager	KEN DUTTON	Project Name: So 3 Do.	Project Location;	要用意の後を持つ		LAB#				*					The state of the s					Relinquished by:	Serie De	Relinquished by:	Environmental Technology Group, Inc.

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78408 2209 N. Padre Island Dr., Corpus Christi, TX FAX (512) 385-7411 3512 Montopolis Dr., Austin, TX 78744 & (512) 385-5886

Report Date: 08/28/02 Time: 10:15 Time: 08:20 Date Received: 08/16/2002 Date Sampled: 08/14/2002 Report#/Lab ID#: 132673 Project ID: Bob Durham Sample Name: MW-31 Sample Matrix: water NM 88240 FAX: 505 397-4701 Environmental Tech Group Address: 2540 W. Marland 505 397-4882 Ken Dutton Hobbs, Phone: Client: Attn:

REPORT OF ANALYSIS

REPORT OF ANALYSIS							OUALITY ASSURANCE DATA	ASSURA	NCE DA	$TA^{1}$	
Parameter	Result	Units	RQL5	Blank	Date	Method 6	Data Qual Prec. 2 Recov. 3 CCV4 LCS4	Prec.2	Recov3	CCV4	LCS4
Metals DigHNO3	***			:	08/19/02	3010A					
Total dissolved solids	796	mg/L		⊽	08/19/02	160.1	1	3,47	-NA-	-NA-	-NA-
Calcium/ICP	183	mg/L	0.1	01>	08/20/02	6010 & 200.7		14.33	100.86	100 86	122 16
Magnesium/ICP	33.8	mg/L	2	<b>∵</b>	08/20/02	6010 & 200.7	1	13.24	103.27		109.95
Potassiun/AA	4.5	mg/L	0.25	<0.25	08/20/02	258.1&7610	-	1.93	87.67		95.56
Sodium/ICP	80.2	mg/L	22	<50	08/20/02	6010 & 200.7	!	5.93	102.51		118.2
Alkalinity, total	440	mg/L	0.1	0I>	08/26/02	310.1		0	-NA-	A'A'	NA
Chloride	197	mg/L	S		08/20/02	325.2&9251	1	0.65	91.33		91.33
Fluoride	1.2	mg/L	0.05	<0.05	08/20/02	340.2	i.	2.31	95.73		104 4
Sulfate	19.1	mg/L		⊽	08/27/02	375.4&9038	;	0.59	99.83		106.08
Volatile organics-8260b/BTEX	-				08/22/02	8260b		1	1		:
Benzene	96'1	µg/L		⊽	08/22/02	8260b	E 1 7	14.8	97.4	86.2	83.4
Ethylbenzene	⊽	μg/L		⊽	08/22/02	8260b	ì	4	102	2 96	7 80
m,p-Xylenes	⊽	μg/L		⊽	08/22/02	8260b	!	0.5	6.06	86.4	86.2
0-Xylene	⊽	hg/L		₹	08/22/02	8260b	1	0.5	99.3	93.7	94.9
Toluene	· V	μg/L	_	⊽	08/22/02	8260b	-	15.6	1.66	86.3	83.8
					<u> </u>					_	

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Richard Laster Richard Laster

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

**(1**) מיני

3512 Montopolis Dr., Austin, TX 78744 & 2209 N. Padre Island Dr., Corpus Christi, TX 78408 (512) 385-5886 • FAX (512) 385-7411

Project ID: Bob Durham Sample Name: MW-31 Environmental Tech Group Ken Dutton Client: Attn:

Report#/Lab ID#: 132673 Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Oneliffore	
			1111111	Crammany man	
1,2-Dichloroethane-d4	8260b	91.8	061-08		
Tolicon	1	•			
างเนตกะ-นิง	8260b	101	88-110	!	

78408 2209 N. Padre Island Dr., Corpus Christi, TX FAX (512) 385-7411 78744 & 3512 Montopolis Dr., Austin, TX (512) 385-5886

Report Date: 08/28/02

Environmental Tech Group Client:

Ken Dutton Attn:

Address: 2540 W. Marland

Hobbs,

88240

Σ

505 397-4882

Phone:

FAX: 505 397-4701

Report#/Lab 1D#: 132674 Project 1D: Bob Durham Sample Name: MW-37

Sample Matrix: water

Time: 10:15 Time: 16:10 Date Received: 08/16/2002 Date Sampled: 08/14/2002

OUALITY ASSURANCE DATA!

REPORT OF ANALYSIS

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Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method 6	Data Qual 7 Prec. 2 Recov 3 CCV4 LCS4	Prec.2	Recov3	CCV4	LCS4
Metals DigHNO3			-		08/19/02	3010A	1	1	200	1	
Total dissolved solids	729	mg/L		⊽	08/20/02	160.1	1	7.53	-NA-	-NA-	-NA-
Calcium/ICP	149	шg/L	10	01×	08/20/02	6010 & 200.7	į	14.33	100.86	100.86	00.86 122.16
Magnesium/ICP	22.3	mg/L	5	\$	08/20/02	6010 & 200.7	ŀ	13.24	103.27	95.92	109.95
Potassium/AA	3.96	mg/L	0.25	<0.25	08/20/02	258.1&7610	1	1.93	87.67		95.56
Sodium/ICP	59.7	mg/L	20	55	08/20/02	6010 & 200.7	1 1	5.93	102.51	101.64	
Alkulinity, total	360	mg/L	10	<10	08/26/02	310.1		0	-NA-	-NA-	-NA-
Chloride	82.8	mg/L	0.5	<0.5	08/20/02	325.2&9251	}	0.65	91.33	93.45	91.33
Fluoride		mg/L	0.05	<0.05	08/20/02	340.2	!	2.31	95.73	87.98	104.4
Suifate	59.6	mg/L	5	<b>~</b>	08/27/02	375.4&9038	1	0.59	99.83	104.05	106.08
Volatile organics-8260b/BTEX	1 2 2				08/22/02	8260b					
Benzene	21.7	hg/L		~	08/22/02	8260b		14.8	97.4	86.2	83.4
Ethylbenzene	v	hg/L		⊽	08/22/02	8260b	-	4.1	102	8.96	98.7
m,p-Xylenes	⊽	µg/L		v	08/22/02	8260b	1	0.5	6.06	86.4	86.2
o-Aylene	<del>-</del>	µg/L	_	7	08/22/02	8260b	1	0.5	99.3	93.7	94.9
Joluene	<1	µg/L	<b>,</b>	~	08/22/02	8260b	1 4 5	15.6	99.1	86.3	83.8
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Rechard

Richard Laster

of the relative percent (%) difference between duplicate measurements. 3. Recovery (Recov.) is the percent (%) of analyte 2. Precision (PREC) is the absolute value recovered from a spiked sample. 4. Calibration Verification (CCV) and Laboratory Control Sample (LCS) results are 7. Data Qualifiers are J = analyte potentially present between the PQL and the MDL. B =Analyte detected in typically denote USEPA procedures. Less than ("<") values reflect nominal quantitation limits adjusted for any required 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 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 1. Quality assurance data is for the sample batch which included this sample. than advisory limit. M =Matrix interference. dilutions,

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Client: Attn:

3512 Montopolis Dr., Austin, TX 78744 & 2209 N. Padre Island Dr., Curpus Christi, TX 78408 (512) 385-5886 • FAX (512) 385-7411

Project ID: Bob Durham Sample Name: MW-37 Environmental Tech Group Ken Dutton

Report#/Lab ID#: 132674 Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers	
1,2-Dichloroethane-d4	8260b	616	80.120		
Tolinene-d8	10/00		071-00	# # #	
	876Ub	97.5	88-110	* 1	

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	CHAIN-OF-CUSTODY AND ANALYSIS	ANALYSIS REQUEST (Circle or Specify Method No.)	_		····			1.031 20	1		<u> </u>	< _		_	₹									
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	EOTT ENERGY CORP.	5805 East Business 20 Midland, TX 79702 Tel (915) 587-3460 Fax (915) 582-2781	l			T	ļ 	NONE														]		
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3512 Montopolis Dr., Austin, TX 78744 & 2209 N. Padre Island Dr., Corpus Christi, TX 78408 (512) 385-5886 • FAX (512) 385-7411

Report Date: 08/28/02

Project ID: Bob Durham EOT 2044

Report#/Lab ID#: 132723

Time: 22:00 Time: 15:10

Date Received: 08/18/2002 Date Sampled: 08/15/2002

Sample Name: MW-3 Sample Matrix: water

Nient: Environmental Tech Group

ddress: 2540 W. Marland

Hobbs,

505 397-4882 **FAX:** 505 397-4701

hone:

NM 88240

## EPORT OF ANALYSIS

ELONG OF AIMALISIS							OTLATITUD	A COTIDA	TO STORY		
arameter	Result	Unite	2015	Piont	1	7	CORLILI ASSUKANCE DALA	AND COL	יון די חלי	Y W	
Aetale Dig "HNO3		231115	יולד	Diank	Date	Method o	Data Qual / Prec.2   Recov.3   CCV4	Prec.2	Recov.3	CCV4	LCS4
	1	1	;	1	08/20/02	3010A					
otal dissolved solids	507	T/om	•	· ~	00,000	******		ł į	į	!	;
'alcium/ICP		7 A	-	7	06/22/02	160.1	!	3.3	-NA-	-NA-	-NA-
	8	mg/L	10	×10	08/23/02	6010 & 200.7		0.63	07 12	100 04	07.0
Tagnesium/ICF	8. II.	mg/L	٧٠	7	08/23/02	6010 & 2007		700	26.12	102.04	07.01
'otassium/AA	1 7 1	, m	200	400	20,02,00	0010 & 200.7	!	2.34	92.31	101.88 96.49	96.49
odium/ICP			0.23	<7.0>	08/27/02	258.1&7610	-	8.53	116.37	112,63 1104 38	104 38
	51.33	mg/L	25	<b>7</b> 52	08/23/02	6010 & 200.7	ļ	3 10	88 51	08 00	
ulkalinity, total	300	T) our	12	4.5				7.17	1000	20.02	0.2.7
"hioride	2	7	2	012	08/2//02	310.1	;	0	-NA-	-AV-	V.Z
יייי יייי	\$0.5	mg/L	0.5	<0.5	08/26/02	325 280251				-1769	-777
luoride	1.5	J/om	0.05	30.07	00,000	10707:070	1	4,0	50.76	97.53	90.19
ulfate	700	, A	3,	50.03	70/57/90	340.2	Ī	2.06	110.91	104.4	104 4
	0.62	mg/L		⊽	08/28/02	375.4&9038	1	0 63	26 60		1.5.
/olatile organics-8260b/BTFX								0.0	07.56	99.52	101.96
			1		08/23/02	8260b	ì	;	,		
lenzene	65.3	T/an	_	[>	08/23/00	00,701					•
ithylbenzene	3 00.	1 2		; ·	70/27/07	97979	!!!	4	92.4	96	94 3
. Xulenec		T/AH		⊽	08/23/02	8260b	1	2.1	1007	07.2	
i, prayiciica	21.2	μg/L		V	08/23/00	87£0k		- (	7.00	J. /	78.0
-Xylene	~	. Von	_	· ~	70/20/00	02000	!		97.6	93.9	101.4
oluene	7	) /c::		; ·	70/57/07	97978 8790p	<u> </u>	0.7	99.3	95.9	104.9
	7	1/84		₹	08/23/02	8260b		(r	7 00	8	0 00 1
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his analytical report is respectfully submitted by AnalySys, Inc. The enclosed results are been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program. © Opyright 2000, AnalySys, Inc., Austin, TX. All rights reserved. No part of this ublication may be reproduced or transmitted in any form or by any means without the xpress written consent of AnalySys, Inc.

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Richard Laster

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Client: Attn:

78408 3512 Montopolis Dr., Austin, TX 78744 & 2209 N. Padre Island Dr., Corpus Christi, TX (512) 385-5886 • FAX (512) 385-7411

> Project ID: Bob Durham EOT 2044 Sample Name: MW-3 Environmental Tech Group Ken Dutton

Report#/Lab ID#: 132723 Sample Matrix: water

## REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	104	80-120	12.
Toluene-d8	8260b	8.66	88-110	

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

Report Date: 08/28/02

78408 2209 N. Padre Island Dr., Corpus Christi, TX FAX (512) 385-7411 78744 & 3512 Montopolis Dr., Austin, TX (512) 385-5886

Report Date: 08/28/02

Environmental Tech Group Ken Dutton lient: ttn:

ddress: 2540 W. Marland

Hobbs,

88240

MK

505 397-4882

hone:

FAX: 505 397-4701

Project ID: Bob Durham EOT 2044 Report#/Lab ID#: 132724

Sample Name: MW-23 Sample Matrix: water

Date Received: 08/18/2002

Time: 22:00

Time: 16:10 Date Sampled: 08/15/2002

EPORT OF ANALVEIS

EPOKI OF ANALYSIS				-			OUALITY ASSURANCE DATA1	ASSURA	NCE DA	$TA^1$	
arameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method 6	Data Qual 7   Prec. 2   Recov 3   CCV4   I	Prec.2	Recov.3	CCV4	
Aetals DigHNO3	***				08/20/02	3010A		ļ			1
otal dissolved solids	533	mg/L		7	08/22/02	160.1	I	3.3	-NA-	-NA-	
:alcium/fCP	92.1	mg/L	10	0I>	08/23/02	6010 & 200.7	111	0.62	92.12	-	Įα
Aagnesium/ICP	17.3	mg/L	δ.	Ą	08/23/02	6010 & 200.7	112	2.34	92.31		) C
'otassium/AA	3.31	mg/L	0.25	<0.25	08/22/02	258.1&7610	1 2 2	8.53	116.37	112.63	` =
odium/ICP	34.99	mg/L	25	\$2	08/23/02	6010 & 200.7	;	3.19	88.51	98.92	
Ukalinity, total	330	mg/L	10	<10	08/27/02	310.1		О	-NA-	-NA-	- [ '
Thloride	64.9	mg/L	0.5	<0.5	08/26/02	325.2&9251	ļ	0.94	97.53		Q
Juoride	1.5	mg/L	0.05	<0.05	08/23/02	340.2		2.06	110 91		, <del>-</del>
ulfate	27	mg/L	П	7	08/28/02	375.4&9038		0.63	93.36	99 57	' =
/olatile organics-8260b/BTEX	1 1 7				08/23/02	8260b				30:55	4 I
Jenzene	3.24	110/1	1	- -	08/23/02	70700		,			- 1
thulbenzene	, ,	þ		7	70/07/00	90070	;	4	92.4	96	-
and located and and and and and and and and and an	·	πg/L		⊽	08/23/02	8260b	i	2.1	100.7	97.3	_
n,p-Aylenes	īv	μg/L	-	Ÿ	08/23/02	8260b	;	1.7	97.6	93.9	-
-Aylene	<u>V</u>	mg/L	_	Ÿ	08/23/02	8260b	ţ	0.7	99.3	95.9	. –
oluene	<1	hg/L		⊽	08/23/02	8260b	4 4	3.3	7.66	66	_
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104.38

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CCS4

-NA-87.61 101.96

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Richard Laster Rehard

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Client: Attn:

3512 Montopolis Dr., Austin, TX 78744 & 2209 N. Padre Island Dr., Corpus Christi, TX 78408 (512) 385-5886 • FAX (512) 385-7411

Environmental Tech Group

Ken Dutton

Sample Name: MW-23

Report#/Lab ID#: 132724 Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound         Method         Recovery         Limit         Data Qualifiers           1,2-Dichloroethane-d4         8260b         105         80-120            Tolluene-d8         8260b         101         88-110					
8260b 105 80-120 8260b 101 88-110	Surrogate Compound	Method	Recovery	_	Data Qualifiers
8260b 101 88-110	1,2-Dichloroethane-d4	8260b	105	80-120	
	Toluene-d8	8260b	101	88-110	E F

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

Report Date: 08/28/02

### 7001 Y Sys

3512 Montopolis Dr., Austin, TX 78744 & 2209 N. Padre Island Dr., Corpus Christi, TX 78408 (512) 385-5886 • FAX (512) 385-7411

Report Date: 08/28/02 Time: 17:10 Time: 22:00 Project ID: Bob Durham EOT 2044 Date Received: 08/18/2002 Date Sampled: 08/15/2002 Report#/Lab ID#: 132725 Sample Name: MW-25 Sample Matrix: water Œ NM 88240 FAX: 505 397-4701 Environmental Tech Group EPORT OF ANALYSIS ddress: 2540 W. Marland 505 397-4882 Ken Dutton Hobbs, hone: lient: ttn:

104.38 101.96 104.4 90.19 102.6 96.49 97.6 Prec.2 | Recov3 | CCV4 | LCS4 -NA-87.61 -NA-95.9 82.7 95 6 102.04 101.88 112.63 101.4 100.8 104.4 98.92 97.53 99.52 98.8 104.9 -NA-94,3 **OUALITY ASSURANCE DATA<sup>1</sup>** 116.37 92.12 110.91 93.36 97.53 92.31 88.51 -NA--NA-99.9 98.7 98.3 90.8 103 2.34 8.53 3.19 0 0.94 2.06 0.63 10.3 0.62 3.3 0.4 7.2 8.1 Data Qual<sup>7</sup> 6010 & 200.7 258.1&7610 6010 & 200.7 6010 & 200.7 375.4&9038 325.2&9251 Method <sup>6</sup> 3010A 340.2 8260b 8260b 8260b 8260b 8260b 8260b 160.1 310.1 08/23/02 08/20/02 08/22/02 08/23/02 08/23/02 08/22/02 08/23/02 08/27/02 08/26/02 38/28/02 08/23/02 08/23/02 08/23/02 08/23/02 08/23/02 08/23/02 Date Blank <0.25 <0.05 <0.5 \$ <del>~</del>10 ე ⊹ე 7  $\triangle$ | 7  $\triangle$  $\triangle$ 9 v ROL 10 5 0.25 25 0.05 0.5 Units mg/L mg/L mg/L mg/L mg/L µg/L µg/L mg/L mg/L mg/L ug/L mg/L µg/L μg/L Result 4.14 39.27 12.2 230 68.7 1.4 501 Ÿ  $\overline{\mathsf{v}}$  $\nabla$  $\nabla$ olatile organics-8260b/BTEX otal dissolved solids letals Dig.-HNO3 lagnesium/ICP Ikalinity, total otassium/AA thylbenzene alcium/ICP n,p-Xylenes odiun/ICP arameter -Xylene hloride luoride enzene oluene ulfate

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Respectfully Submitted,

Richard Laster

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78408 3512 Montopolis Dr., Austin, TX 78744 & 2209 N. Padre Island Dr., Corpus Christi, TX (512) 385-5886 • FAX (512) 385-7411

Report#/Lab ID#: 132725

Sample Matrix: water

REPORT OF SURROGATE RECOVERY Environmental Tech Group Ken Dutton Client: Attn:

Project ID: Bob Durham EOT 2044

Sample Name: MW-25

Recovery Limit Data Qualifiers 80-120 88-110 Recovery 100 103 Method 8260b 8260b Surrogate Compound 1,2-Dichloroethane-d4 Toluene-d8

78408 2209 N. Padre Island Dr., Corpus Christi, TX FAX (512) 385-7411 3512 Montopolis Dr., Austin, TX 78744 & (512) 385-5886

Report Date: 08/28/02

Project ID: Bob Durham EOT 2044

Sample Name: MW 19 Sample Matrix: water

Report#/Lab ID#: 132726

09:05

08/16/2002

Date Sampled:

Time: 22:00 Time:

Date Received: 08/18/2002

Environmental Tech Group lient: ittn:

ddress: 2540 W. Marland Ken Dutton

Hobbs,

NM 88240

FAX: 505 397-4701

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505 397-4882

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EPORT OF ANALYSIS							<b>OUALITY ASSURANCE DATA<sup>1</sup></b>	ASSURA	NCE DA	TA1	
arameter	Result	Units	RQL 5	Blank	Date	Method 6	Data Qual 7 Prec. 2 Recov. 3 CCV4 LCS4	Prec.2	Recov.3	CCV4	LCS4
Actals DigHNO3		-		1	08/20/02	3010 <b>A</b>		i			
fotal dissolved solids	489	mg/L	-	7	08/22/02	160.1	1	3.3	-NA-	-NA-	-NA-
Zalcium/ICP	9'69	mg/L	10	0F>	08/23/02	6010 & 200.7		0.62	92.12	102.04	87.61
Magnesium/ICP	10.5	mg/L	'n	ζ.	08/23/02	6010 & 200.7	1	2.34	92.31	101.88	96.49
otassium/AA	3.86	mg/L	0.25	<0.25	08/22/02	258.1&7610	1	8.53	116.37	112.63	104.38
3odium/ICP	28.7	mg/L	25	<25	08/23/02	6010 & 200.7	1	3.19	88.51	98.92	82.7
Alkalinity, total	220	mg/L	10	<10	08/27/02	310.1		0	-NA-	-NA-	-AA'
Chloride	67.4	mg/L	0.5	<0.5	08/26/02	325.2&9251	-	0,94	97.53	97.53	90 19
Juoride	1.4	mg/L	0.05	<0.05	08/23/02	340.2	ļ	2.06	110.91	104.4	104.4
Sulfate	57.8	mg/L	7	7	08/28/02	375.4&9038	1	0.63	93.36	99.52	101.96
Volatile organics-8260b/BTEX	1		:		08/23/02	8260b	1111			1	
Benzene	7	hg/L	1		08/23/02	8260b		0.4	8 06	04.3	050
Ethylbenzene	⊽	µg/L	-	⊽	08/23/02	8260b	1	7.2	99.9	8 86	) 6
n,p-Xylenes	⊽	hg/L	,,	7	08/23/02	8260b	ļ	10.3	98.7	101.4	92.6
o-Xylenę	⊽	Hg/L	·····•	7	08/23/02	8260b	ļ	8.1	103	104.9	97
Toluene	<1	µg/L	1	∵	08/23/02	8260b	1	0.3	98.3	100.8	102.6
This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been circlialy reviewed and 10 the best of my knowledge, the analytical results	alySys, Inc. The	enclosed result		ity assurance da	data is for the sa	1. Quality assurance data is for the sample batch which included this sample.	11	2. Precision	2. Precision (PREC) is the absolute value	the absolut	e value

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Richard Laster

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Client: Attn:

3512 Montopolis Dr., Austin, TX 78744 & 2209 N. Padre Island Dr., Corpus Christi, TX 78408 (512) 385-5886 • FAX (512) 385-7411

Report#/Lab ID#: 132726 Sample Matrix: water Project ID: Bob Durham EOT 2044 Sample Name: MW 19 Environmental Tech Group Ken Dutton

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	001	80-120	
Toluene-d8	8260b	103	88-110	-

בא**ל**א אוםר ביייים

78408 2209 N. Padre Island Dr., Corpus Christi, TX FAX (512) 385-7411 78744 & 3512 Montopolis Dr., Austin, TX (512) 385-5886

Report Date: 08/28/02

Project ID: Bob Durham EOT 2044

Report#/Lab ID#: 132727

Time: 22:00 Time: 10:05

Date Received: 08/18/2002 Date Sampled: 08/16/2002

Sample Matrix: water Sample Name: MW-8

Environmental Tech Group lient:

Ken Dutton \ttn:

ddress: 2540 W. Marland

Hobbs,

505 397-4882

Phone:

FAX: 505 397-4701

NM 88240

REPORT OF ANALYSIS

VELOIGI OF ANALYSIS							OUALITY ASSIDANCE DATAL	ASSYIDA	NCE D	T 4 1	
Jarameter	Result	Units	ROLS	Blank	Date	Method 6	Data Ousl 7 Dags 2 Dags 3 Could	D. 2	Docou 3	_	1 004
Metals DigHNO3	1				00/00/00	10100	בימות לתמו	7,125	Accove		LCS
Potal discolused colida	,		!	1	70/07/00	3010 <b>A</b>	744	;	}		1
TOTAL MODE	458	mg/L	~	<1	08/22/02	160.1	1	3.3	-NA-	-NA-	-NA-
Salcium/ICF	82.4	mg/L	10	<10	08/23/02	6010 & 2007		0.63	00 10	100.001	7
Magnesium/ICP	12.7	me/I.	V	ĭ	08/22/00	CO10 6 0103		20.0	74.14	102.04	10./8
Potassium/A.A.	2.7.0		, ,	7 8	20/57/02	0010 & 200./	1	2.34	92.31	101.88	96.49
Sodium/ICP	7/.7	mg/L _	0.25	<0.25	08/22/02	258.1&7610	7	8.53	116.37	112.63	104.38
	30.7	mg/L	25	<25	08/23/02	6010 & 200.7	;	3.19	88 51	98 07	02.7
Alkalinity, total	ULC	Tra ca	-	110	00,00				20:01	70:75	1.70
apinolar apinolar	· ·	1.18m	2		70//7/90	310.1	1	0	-NA-	-NA-	NA.
ייייייייייייייייייייייייייייייייייייייי	77.1	mg/L	0.5	<0.5	08/26/02	325 289251			07.57	01.00	7117
Juoride	1.4	μα	200	200	00,500			47.0	50.76	50.76	90.19
yulfate		7.8m	CO: 0	50.05	08/53/02	340.2		2.06	110.91	104.4	1044
	77.7	mg/L	_	⊽	08/28/02	375.4&9038	1	0.63	93 36	00 63	70.101
/olatile organics-8260b/BTEX	1							20.0	00.00	77.72	06.101
			1		08/23/02	8260b	-	-	E m e	,	
3enzene	51.6	με/L	-	~	08/23/02	97605					
3thylbenzene	252	- I	,	; ;	20,02,00	0000	!	4.0	8.06	94.3	95.9
n p-Xvlenes	77.4	1/2/H		⊽	08/23/02	8260b	i	7.2	99.9	8 86	95
. V	7:27	hB/L	_	⊽	08/23/02	8260b	400	10.1	08.7	101	7,00
ייייייייייייייייייייייייייייייייייייייי	1.63	μg/L	-	⊽	08/23/02	8260h	į	-		1.00	0.20
Coluene	⊽	110/1	_	Ţ	00,000			1.0	cor	104.9	1.6
		rg ~	4	7	70/57/00	8.25Ub		0.3	98.3	100 %	100 6

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

Richard Laster

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

78408 3512 Montopolis Dr., Austin, TX 78744 & 2209 N. Padre Island Dr., Corpus Christi, TX (512) 385-5886 • FAX (512) 385-7411

Report#/Lab ID#: 132727 Sample Matrix: water Project ID: Bob Durham EOT 2044 Sample Name: MW-8 Environmental Tech Group Ken Dutton Client: Attn:

REPORT OF SURROGATE RECOVERY					
Surrogate Compound	Method	Recovery	Recovery Limit	tecovery Limit Data Qualifiers	
1,2-Dichloroethane-d4	8260b	98.2	80-120		
Toluene-d8	8260b	102	88-110	1	

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78408 2209 N. Padre Island Dr., Corpus Christi, TX FAX (512) 385-7411 3512 Montopolis Dr., Austin, TX 78744 & (512) 385-5886

Report Date: 08/28/02

Time: 22:00 Project ID: Bob Durham EOT 2044 Date Received: 08/18/2002 Report#/Lab ID#: 132728 Sample Matrix: water Sample Name: MW-5 NM 88240 Environmental Tech Group ddress: 2540 W. Marland Ken Dutton Hobbs, lient: ttn:

EPORT OF ANALYSIS

505 397-4882

hone:

FAX: 505 397-4701

OUALITY ASSURANCE DATA1 Time: 12:15 Date Sampled: 08/16/2002

 $LCS^4$ 

							CUALITY ASSURANCE DATA	SOUKE	INCE DA	IA.
arameter	Result	Units	RQL5	Blank	Date	Method 6	Data Oual 7 Prec. 2 Recov.3	Prec.2	Recov3	CCV4
1etals DigHNO3		,	# LL _	****	08/20/02	3010A	,		1	
otal dissolved solids	553	mg/L	-	7	08/22/02	160.1	ļ	3.3	-NA-	-NA-
/alcium/ICP	87.5	mg/L	10	<10	08/23/02	6010 & 200.7	1.0	0.62	92.12	102.04
4agnesiuπ/ICP	17.4	mg/L	S		08/23/02	6010 & 200.7	!	2.34	92.31	101.88
'otassium/A.A	2.47	шg/L	0.25	<0.25	08/22/02	258.1&7610	!	8.53	116.37	112.63
odium/ICP	30.2	mg/L	25	<25	08/23/02	6010 & 200.7	1	3.19	88.51	98.92
slkalinity, total	330	mg/L	10	<10	08/27/02	310.1	1 7	С	-NA-	-NA-
Thloride	66.7	mg/L	0.5	<0.5	08/26/02	325.2&9251	:	0.94	97.53	97.53
duoride	1.6	mg/L	0.05	<0.05	08/23/02	340.2	!	2.06	110.91	104
ulfate	19.5	mg/L	-	⊽	08/28/02	375.4&9038	!	0.63	93,36	99.52
/olatile organics-8260b/BTEX					08/23/02	8260b				
kenzene	451	T/grl	10	<10	08/26/02	8260b	1	0.4	8 06	£ 70
ithylbenzene	185	μg/L	-	V	08/23/02	8260b		7.2	6 66	8 86
n,p-Xylenes	508	μg/L	10	OI>	08/26/02	8260b	!	10.3	98.7	101.4
Xylene 	⊽	hg/L	_	7	08/23/02	8260b	į	8.1	103	104.9
oluene	1.46	μg/L	1	7	08/23/02	8260b	) t	0.3	98.3	100.8

90.19 104.4 101.96

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104,38 96.49

82.7

87.61

-NA-

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Richard Laster امملاعنا

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

102.6

92.6

97

95.9

95

78408 3512 Montopolis Dr., Austin, TX 78744 & 2209 N. Padre Island Dr., Corpus Christi, TX (512) 385-5886 • FAX (512) 385-7411

Report#/Lab 1D#: 132728

Sample Matrix: water

Ken Dutton Attn:

Client:

Recovery Limit Data Qualifiers Project ID: Bob Durham EOT 2044 80-120 88-110 Sample Name: MW-5 Recovery 103 102 Method 8260b 8260b REPORT OF SURROGATE RECOVERY Environmental Tech Group Surrogate Compound 1,2-Dichloroethane-d4 Toluene-d8

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78408 2209 N. Padre Island Dr., Corpus Christi, TX FAX (512) 385-7411 78744 & 3512 Montopolis Dr., Austin, TX (512) 385-5886

Report Date: 09/04/02

Report#/Lab ID#: 132825 Project ID: Bob Durham 07:30

Time:

Date Received: 08/19/2002 Date Sampled: 08/16/2002

Sample Matrix: water Sample Name: MW 2

Time: 15:40

Environmental Tech Group lient:

Ken Dutton \ttn:

Address: 2540 W. Marland

Hobbs,

NM 88240

505 397-4882 Phone:

FAX: 505 397-4701

### REPORT OF ANALYSIS

			-				OUALITY ASSURANCE DATA <sup>1</sup>	ASSUR	NCE DA	TAI	
aranieter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method 6	Data Onal 7   Prac 2   Pacov 3	Drag 2	Perov3	P/AUU	1 004
Metals DigHNO3					00/11/00	20104		;;		1	
Potal discolved calle	i			•	70/17/00	3010A		1	1	!	1
Total dissolved solids	579	mg/L	1	<1	08/23/02	160.1	1	1.2	-NA-	-NA-	-NA-
	136	mg/L	01	<10	08/28/02	6010 & 200.7	*	2.39	110.94	101 92	114 73
Magnesium/ICP	18.8	mg/L	S	\$	08/28/02	6010 & 200.7	<b>{</b>	3 34	101 44		103 74
otassiun/AA	2.29	mg/L	0.25	<0.25	08/30/02	258 1.87610		1 50	70 00		+/:01
sodium/ICP	553	mo/I	9	. 657	10/01/00	010/31/00/		0	70.07		10.501
4.11.5.		7.A.	2	20	00/20/07	0010 & 700.7	1	2.27	112.18	98.28	114.86
Alkalinity, total	330	mg/L	01	<10	08/28/02	310.1		C	N.A.	Ž	NIA.
Chlonde	77.1	mg/L	0.5	<0.5	08/28/02	325 280251		, 5	07 70	2	יול לו. ני לו לו
Juoride	7	ma/l	0.05	000	00,000	100000		1.02	74.70	00	87.35
Sulfate		T/Am	, ,	CO:OS	70/77/00	340.2	-	2.05	106.18	8	104.4
Juliano	34.2	mg/L	_	⊽	08/28/02	375.4&9038	1	9.0	98.07	105.7	106.08
Volatile organics-8260b/BTEX	11,		1		00/00/00	10,00					20.00
3000000					00/20/02	970078	-				
	335	ug/L	01	<10	08/29/02	8260b	1	70	87.8	7 70	78
sthylbenzene	169	ug/L	-	7	08/28/02	8260h		: '	20.00	t (	2 ;
n,p-Xylenes	197		-	7	00/00/00	02000	:		103.2	5.66	105.4
y. Xviene	1.13	H.B/1.	<b>-</b>	₹,	08/28/02	8.260b	;	7.5	106.3	95.8	104.2
	cr.i	T/An	-	⊽	08/28/02	8260b	1	3.1	112.6	99.4	108.2
Louici	<b> </b>	µg/L	_	⊽	08/28/02	8260b	<u>,</u>	6.1	95.5	986	1001

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

Respectfully Submitted,

Richard Laster Richard

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

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78408 3512 Montopolis Dr., Austin, TX 78744 & 2209 N. Padre Island Dr., Corpus Christi, TX (512) 385-5886 • FAX (512) 385-7411

Report#/Lab ID#: 132825 Sample Matrix: water Project ID: Bob Durham Sample Name: MW2 Environmental Tech Group

REPORT OF SURROGATE RECOVERY

Ken Dutton

Client: Attn:

Surrogate Compound	Method	Recovery	Recovery Limit I	Data Qualifiers
1,2-Dichloroethane-d4	8260b	106	80-120	1 11 1
Toluene-d8	8260b	104	88-110	\$ 8 6

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

Page#: 2

### xceptions Report:

eport #/Lab ID#:132825 Matrix:water lient: Environmental Tech Group roject ID: Bob Durham ample Name: MW2

Attn: Ken Dutton

unple 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)

## unple 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.

flag Discussion

I flag data qualifier indicates (as required under TNRCC-TRRP reporting requirements) that the raw calculated analyte concentration in the sample (uncorrected for ockground levels/blanks and other potential sources of sampling and analytical contamination), though less than the Reported Quantitation Limit (RQL) is greater than the stection 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 rified 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.)

omments pertaining to Data Qualifiers and QC data:

arameter	Qualif	Qualif Comment
Muene	J	J See J-stag discussion above.
otes:		
- ALEA GARD AND ALEA GATE THE CALL THE CALL		**************************************

78408 2209 N. Padre Island Dr., Corpus Christi, TX FAX (512) 385-7411 78744 & 3512 Montopolis Dr., Austin, TX (512) 385-5886

Report Date: 09/10/02

Report#/Lab ID#: 132826 Project ID: Bob Durham

Time: 16:05 Time: 07:30

08/18/2002

Date Sampled:

Date Received: 08/19/2002

Sample Matrix: water Sample Name: MW 6

Environmental Tech Group lient:

Ken Dutton tttn:

Address: 2540 W. Marland

Hobbs,

505 397-4882 hone:

FAX: 505 397-4701

NM 88240

EPORT OF ANALYSIS		į					OUALITY ASSURANCE DATA	ASSURA	NCE DA	TA1	
Jarameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method 6	Data Qual 7   Prec. 2   Recov. 3   CCV4	Prec.2	Recov3	CCV4	LCS4
Aetals DigHNO3			1 2 1		08/21/02	3010A		1	1		
Fotal dissolved solids	733	mg/L	-	v	09/05/02	160.1	н	14.24	-NA-	-NA-	-NA-
Zalcium/ICP	1470	mg/L	10	<10	08/28/02	6010 & 200.7		2.39	110.94	101.92 114.73	114 73
Vagnesium/ICP	114	mg/L	ς,	\$	08/28/02	6010 & 200.7	1 1	3.34	101.44	99.76	99.76 103.74
otassium/AA	22.4	mg/L	-	∵	08/30/02	258.1&7610	1	5.27	90.3	106.97	106,97 105,55
sodium/ICP	58.4	mg/L	20	\$0	08/28/02	6010 & 200.7		2.27	112.18	98.28	114.86
Alkalinity, total	320	mg/L	10	01>	08/28/02	310.1		0	-NA-	-NA-	-NA-
Chloride	75.4	mg/L	0.5	<0.5	08/28/02	325.2&9251		1.02	87.42	88	87.35
Juoride	1.4	mg/L	0.05	<0.05	08/22/02	340.2	1	2.05	106.18	100	104.4
Sultate	42.5	mg/L	1	⊽	08/28/02	375.4&9038	1 1	9.0	98.07	105.7	106.08
Volatile organics-8260b/BTEX	1				08/28/02	8260b	ļ	,,,,,	1		1
Вепzепе	58.2	µg/L	1	⊽	08/28/02	8260b	**,	9.4	82.8	94 4	86
Ethylbenzene	43.1	μg/L	<del>, -</del> 1	v	08/28/02	8260b	į	4.5	103.2	99.3	105.4
n,p-Xylenes	95.4	mg/L	-	⊽	08/28/02	8260b	;	1.5	106.3	95.8	104.2
3-Xylene	1.91	ηg/L	_	⊽	08/28/02	8260b	-	3.1	112.6	99.4	108.2
loluene	-  -	mg/L	-	⊽	08/28/02	8260b	5	6.1	95.5	98.6	100.7

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Respectfully Submitted, hickory

Richard Laster

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

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JUCILY SYS

78408 3512 Montopolis Dr., Austin, TX 78744 & 2209 N. Padre Island Dr., Corpus Christi, TX (512) 385-5886 • FAX (512) 385-7411

> Environmental Tech Group Ken Dutton Client: Attn:

Project ID: Bob Durham Sample Name: MW 6

Report#/Lab ID#: 132826 Sample Matrix: water

## REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	108	80-120	
Toluene-d8	8260b	105	88-110	1

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

Report Date: 09/10/02

### ceptions Report:

Matrix: water lient: Environmental Tech Group eport #/Lab ID#: 132826 roject ID: Bob Durham imple Name: MW 6

Attn: Ken Dutton

mple 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).

## mple 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.

flag Discussion

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omments pertaining to Data Qualifiers and QC data:

ารสภายเอร	Qualit	Qualit Comment	_
ital dissolved solids	Н	led by days.	
ilvene	-,	Sec 1-flag discussion above.	Τ
)tes:			T

78408 2209 N. Padre Island Dr., Corpus Christi, TX FAX (512) 385-7411 78744 & 3512 Montopolis Dr., Austin, TX (512) 385-5886

Report Date: 09/04/02

Environmental Tech Group lient:

ddress: 2540 W. Marland Ken Dutton ttn:

Hobbs,

NM 88240

**FAX:** 505 397-4701 505 397-4882

hone:

Project ID: Bob Durham Sample Matrix: water Sample Name: MW1

Report#/Lab ID#: 132827

Time: 07:30 Date Received: 08/19/2002

Time: 16:50 Date Sampled: 08/18/2002

EPORT OF ANALYSIS

EPORT OF ANALYSIS							<b>OUALITY ASSURANCE DATA</b> 1	SSURA	NCE DA	$TA^1$	
Jarameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method 6	Data Qual 7   Prec. 2   Recov. 3   CCV4	Prec.2	Recov.3	CCV4	-
Aetals DigHNO3	1			4-1-	08/21/02	3010A		1		1	4
otal dissolved solids	616	mg/L		7	08/23/02	160.1	-	0.07	-NA-	-NA-	
Zalcium/ICP	154	mg/L	10	<10	08/28/02	6010 & 200.7		2.39	110.94	101.92	_
/lagnesiun/ICP	27.9	mg/L	Ŋ	Ą	08/28/02	6010 & 200.7		3.34	101.44	99.76	_
otassium/AA	4.17	mg/L	0.25	<0.25	08/30/02	258.1&7610	;	6.54	90.2	93.51	
sodium/ICP	91.1	mg/L	20	<50	08/28/02	6010 & 200.7	i i	2.27	112.18	98.28	_
Alkalinity, total	340	mg/L	10	<10	08/28/02	310.1	# T 4	0	-NA-	-NA-	1 '
Chloride	98.4	mg/L	5	Ф	08/28/02	325.2&9251	1	1.02	87.42	80	
Juoride	1.3	mg/L	0.05	<0.05	08/22/02	340.2	ļ	2.05	106.18	100	
sulfate	40.6	mg/L	-	V	08/28/02	375.4&9038	*	9.0	98.07	105.7	_
/olatile organics-8260b/BTEX			ł		08/28/02	8260b	-	11		l	
3enzene	376	hg/L	10	<10	08/29/02	8260b	***	9.4	82.8	94.4	•
Sthylbenzene	151	hg/L	10	<10	08/29/02	8260b	!	4.5	103.2	99.3	
n,p-Xylenes	418	hg/L	10	<10	08/29/02	8260b	!	1.5	106.3	95.8	
)-Ayiene	21.6	hg/L	21	<10	08/29/02	8260b	ļ	3.1	112.6	99,4	
l'oluene	⊽	ng/L		7	08/28/02	8260b	5	6.1	95.5	986	
									)	;	

114.86

104.4 106.08

87.35

-NA-

103.74 106.25

114.73 -NA-

 $LCS^4$ 

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

Richard Laster Richard

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108.2

100.7

105.4 104.2

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78408 3512 Montopolis Dr., Austin, TX 78744 & 2209 N. Padre Island Dr., Corpus Christi, TX (512) 385-5886 • FAX (512) 385-7411

> Environmental Tech Group Ken Dutton Client:

Attn:

Project ID: Bob Durham Sample Name: MW 1

Report#/Lab ID#: 132827 Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	107	80-120	4.41
Toluene-d8	8260b	105	88-110	3 2 2

### ceptions Report:

port #/Lab ID#:132827 Matrix: water ient: Environmental Tech Group oject ID: Bob Durham imple Name: MW]

Attn: Ken Dutton

mple 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)

### mple Bottles & Preservation

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flag Discussion

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omments pertaining to Data Qualifiers and QC data:

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78408 2209 N. Padre Island Dr., Corpus Christi, TX EAX (512) 385-7411 3512 Montopolis Dr., Austin, TX (512) 385-5886

Report Date: 09/04/02

Report#/Lab ID#: 132830 Project ID: Bob Durham

Environmental Tech Group Ken Dutton Client: Attn:

Address: 2540 W. Marland

Hobbs,

Phone:

FAX: 505 397-4701 505 397-4882

NM 88240

REPORT OF ANALYSIS

0.05 ROL 0.25 Units пg/L mg/L mg/L mg/L mg/L mg/L mgL mgL щSL Result 2.24 67.9 31.2 95.4 13.2 630 410 5.5 163 Total dissolved solids Metals Dig.-HNO3 Magnesium/ICP Alkalinity, total Potassium/AA Calcium/ICP Sodium/ICP Parameter Chloride Fluoride Sulfate

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Richard Laster Retrava

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Data Qual7 | Prec.2 | Recov3 | CCV4 | LCS4

Method <sup>6</sup> 3010A 160.1

Date

Blank

08/21/02 08/23/02 08/28/02 08/28/02 08/30/02 08/28/02 08/28/02

| 7

OUALITY ASSURANCE DATA<sup>1</sup>

Time: 07:30 Time: 14:45

Date Received: 08/19/2002 Date Sampled: 08/18/2002

Sample Matrix: water Sample Name: MW 7

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78408 2209 N. Padre Island Dr., Corpus Christi, TX FAX (512) 385-7411 3512 Montopolis Dr., Austin, TX 78744 & (512) 385-5886

Report Date: 09/04/02

Report#/Lab ID#: 132831 Project ID: Bob Durham

Sample Name: MW 4 Sample Matrix: water Time: 07:30 Time: 15:57

Date Received: 08/19/2002 Date Sampled: 08/18/2002

Environmental Tech Group Address: 2540 W. Marland Ken Dutton Client Attn:

Hobbs,

Phone:

FAX: 505 397-4701 505 397-4882

88240

REPORT OF ANALYSIS

Data Qual 7 | Prec. 2 | Recov. 3 | CCV4 | LCS4 OUALITY ASSURANCE DATA<sup>1</sup> 110.94 106.18 101.44 112.18 98.94 87.42 98.07 -NA-0.07 2.05 3.34 1.58 1.02 2.39 i į | | 6010 & 200.7 6010 & 200.7 258.1&7610 375.4&9038 6010 & 200. 325.2&9251 Method <sup>6</sup> 3010A 340.2 160.1 310,1 08/28/02 08/30/02 08/28/02 08/28/02 08/28/02 08/28/02 08/22/02 08/21/02 08/23/02 08/28/02 Date <0.05 < 0.25 \$ **?** ر 10 ₹ V  $\overline{\mathsf{v}}$ 0.05 ROL 0.25 Units mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L щZ Result 76.2 148 20.2 2.85 58.2 330 4. 564 Total dissolved solids Metals Dig.-HNO3 Magnes it m/ICP Alkalinity, total Potassium/AA Calcium/ICP Sodium/ICP Parameter Chloride Fluoride Sulfate

103.74

99.76 104.29

114.73

101.92

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104.4

105.7

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88

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Richard Laster لممتلعنا

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78408 2209 N. Padre Island Dr., Corpus Christi, TX FAX (512) 385-7411 78744 & 3512 Montopolis Dr., Austin, TX (512) 385-5886

Report Date: 09/04/02

Environmental Tech Group Client:

Address: 2540 W. Marland Ken Dutton Attn:

Hobbs,

NM 88240

505 397-4882

Phone:

FAX: 505 397-4701

Report#/Lab ID#: 132857 Project ID: Bob Durham Sample Name: MW 16

Sample Matrix: water

Date Received: 08/21/2002

Time: 09:30

Time: 11:50 Date Sampled: 08/19/2002

REPORT OF ANALYSIS

ALL OF AIRLESTS							OUALITY ASSURANCE DATA	ASSURA	NCE DA	${ m TA}^1$	
Parameter	Result	Units	RQL 5	Blank	Date	Method 6	Data Oual 7	Prec. 2	Prec 2 Recov3 CCV4	74	1.054
Metals DigHNO3	-				08/26/02	3010A				;	
Total dissolved solids	631	mg/L	<del></del> -	~	09/11/02	160.1	Н	5.12	-NA-	-NA-	-NA-
Calcium/ICP	123	mg/L	10	<10	08/28/02	6010 & 200.7	- [	4.61	104.5	101.74	114 03
Magnesium/ICP	18.5	mg/L	2	\$	08/28/02	6010 & 200.7	ł	11.06	111.3	102.92	108.06
Potassium/AA	2.52	mg/L	0.25	<0.25	08/30/02	258.1&7610	i i	92'9	88.61		105.01
Sodium/ICP	74.4	mg/L	50	20	08/28/02	6010 & 200.7	S3,M	7.38	Mt.Intf.	97.6	118.56
Alkalinity, total	330	mg/L	91	<10	08/28/02	310.1		С	-NA-	-NA-	A.V.
Chloride	9.08	mg/L	2	\$	08/26/02	325.2&9251	;	1.39	98.9	97.08	90 10
Fluoride	1.4	mg/L	0.05	<0.05	08/22/02	340.2	3	2.05	106 18	100	104.4
Sulfate	5.41	mg/L	-	~	08/28/02	375.4&9038		9.0	98.07	105.7	106.08
Volatile organics-8260b/BTEX			1		08/27/02	8260b	!	!	,		
Benzene	182	ug/L	-	-	08/27/02	8260h		7 6	2 00	000	t
Ethylbenzene	146	ug/L	1	V	08/27/02	8260b		7.7	107.0	100.7	7.5
m,p-Xylenes	301	ug/L		\ \ \	08/27/02	8240h		· -	107.7	102.3	0.17
o-Xylene	25.6	hg/L		V	08/27/02	8260h			104,4	66.6	88
Toluene	1.18	ug/L		. △	08/27/02	8260h		 	0.001	100.2	90.9
						02200		5.7	100.	701	88.9

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

Richard Later

Richard Laster

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

בוחום האסלאם וויים

Client: Attn:

78408 3512 Montopolis Dr., Austin, TX 78744 & 2209 N. Pudre Island Dr., Corpus Christi, TX (512) 385-5886 • FAX (512) 385-7411

Report#/Lab ID#: 132857 Sample Matrix: water Project ID: Bob Durham Sample Name: MW 16 Environmental Tech Group Ken Dutton

REPORT OF SURROGATE RECOVERY

E					
Surrogate Compound	Method	Recovery	Recovery Limit	Data Onalifiers	
			•		
,2-Dichloroethane-d4	8260b	106	80,120		
	)	2	071-00	i	
oluene-d8	8260h	2	00 110		
	0000	3	011-00		

### Exceptions Report:

Report #/Lab ID#:132857 Matrix: water Client: Environmental Tech Group

Project ID: Bob Durham Sample Name: MW 16

Attn: Ken Dutton

## ample 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).

#### le Bottles & Preservation amp

#### flag Discussion

rentied 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.) 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 A J flag data qualifier indicates (as required under TNRCC-TRRP reporting requirements) that the raw calculated analyte concentration in the sample (uncorrected for

# Comments pertaining to Data Qualifiers and QC data:

3.11	H Hold time for this parameter exceeded by days.	S3,M MS, MSD & PDS recovery outside advisory/acceptance limits. LCS recovery in-limits; indicative of matrix interference as evidenced by M. One		
Qualif Comment	) Plold (	M MS, N		
Qua	Н	53,1		  -  -
Parameter	Fotal dissolved solids	Sodium/ICP	dotes:	 