ANALYTICAL REPORT

Job Number: 500-7950-1

Job Description: SECO

For:
ERM Inc.
12755 Olive Blvd
Suite 110
St. Louis, MO 63141

Attention: Mr. Alan Cork

Richard C Wright
Project Manager II
richard.wright@testamericainc.com
11/27/2007

These test results meet all the requirements of NELAC for accredited parameters.

The Lab Certification ID# is 100201.

All questions regarding this test report should be directed to the TestAmerica Project Manager whose signature appears on this report. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

Reporting limits are adjusted for sample size used, dilutions and moisture content if applicable.

Comments
No additional comments.

Receipt
All samples were received in good condition within temperature requirements.

GC/MS VOA
No analytical or quality issues were noted.

EXECUTIVE SUMMARY - Detections

Client: ERM Inc. Job Number: 500-7950-1

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
500-7950-1	**PDB WATER**				
Acetone		10	5.0	ug/L	8260B

METHOD SUMMARY

Client: ERM Inc. Job Number: 500-7950-1

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Volatile Organic Compounds by GC/MS	TAL CHI	SW846 8260B	
Purge-and-Trap	TAL CHI		SW846 5030B

Lab References:

TAL CHI = TestAmerica Chicago

Method References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

SAMPLE SUMMARY

Client: ERM Inc.

Job Number: 500-7950-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
500-7950-1	PDB WATER	Water	11/19/2007 2000	11/23/2007 0900

SAMPLE RESULTS

Mr. Alan Cork
ERM Inc.
12755 Olive Blvd
Suite 110
St. Louis, MO 63141

Job Number: 500-7950-1

Client Sample ID: PDB WATER
Lab Sample ID: 500-7950-1

Date Sampled: 11/19/2007 2000
Date Received: 11/23/2007 0900
Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
Method: 8260B		Date Analyzed:	11/26/2007 1101		
Prep Method: 5030B		Date Prepared:	11/26/2007 1101		
1,1,1,2-Tetrachloroethane	ND	ug/L	0.33	1.0	1.0
1,1,1-Trichloroethane	ND	ug/L	0.17	1.0	1.0
1,1,2,2-Tetrachloroethane	ND	ug/L	0.34	1.0	1.0
1,1,2-Trichloroethane	ND	ug/L	0.24	1.0	1.0
1,1-Dichloroethane	ND	ug/L	0.15	1.0	1.0
1,1-Dichloroethene	ND	ug/L	0.25	1.0	1.0
1,1-Dichloropropene	ND	ug/L	0.38	1.0	1.0
1,2,3-Trichlorobenzene	ND	ug/L	0.43	1.0	1.0
1,2,3-Trichloropropane	ND	ug/L	0.35	1.0	1.0
1,2,4-Trichlorobenzene	ND	ug/L	0.36	1.0	1.0
1,2,4-Trimethylbenzene	ND	ug/L	0.26	1.0	1.0
1,2-Dichloroethane	ND	ug/L	0.25	1.0	1.0
1,2-Dichlorobenzene	ND	ug/L	0.29	1.0	1.0
1,2-Dichloropropane	ND	ug/L	0.19	1.0	1.0
1,3,5-Trimethylbenzene	ND	ug/L	0.18	1.0	1.0
1,3-Dichlorobenzene	ND	ug/L	0.21	1.0	1.0
1,3-Dichloropropane	ND	ug/L	0.22	1.0	1.0
1,4-Dichlorobenzene	ND	ug/L	0.25	1.0	1.0
2,2-Dichloropropane	ND	ug/L	0.17	1.0	1.0
2-Hexanone	ND	ug/L	0.99	5.0	1.0
methyl isobutyl ketone	ND	ug/L	0.92	5.0	1.0
Acetone	10	ug/L	1.4	5.0	1.0
Benzene	ND	ug/L	0.23	1.0	1.0
Bromobenzene	ND	ug/L	0.22	1.0	1.0
Bromochloromethane	ND	ug/L	0.27	1.0	1.0
Bromodichloromethane	ND	ug/L	0.22	1.0	1.0
Bromomethane	ND	ug/L	0.59	1.0	1.0
Bromoform	ND	ug/L	0.32	1.0	1.0
n-Butylbenzene	ND	ug/L	0.35	1.0	1.0
cis-1,2-Dichloroethene	ND	ug/L	0.20	1.0	1.0
cis-1,3-Dichloropropene	ND	ug/L	0.15	1.0	1.0
Carbon disulfide	ND	ug/L	0.15	5.0	1.0
Carbon tetrachloride	ND	ug/L	0.34	1.0	1.0
Chlorobenzene	ND	ug/L	0.15	1.0	1.0
Chloroethane	ND	ug/L	0.32	1.0	1.0
Chloroform	ND	ug/L	0.14	1.0	1.0
Chloromethane	ND	ug/L	0.20	1.0	1.0
1,2-Dibromo-3-Chloropropane	ND	ug/L	0.41	2.0	1.0
Dibromochloromethane	ND	ug/L	0.22	1.0	1.0

Mr. Alan Cork
ERM Inc.
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Job Number: 500-7950-1

Client Sample ID: PDB WATER
Lab Sample ID: 500-7950-1

Date Sampled: 11/19/2007 2000
Date Received: 11/23/2007 0900
Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
Dibromomethane	ND	ug/L	0.21	1.0	1.0
Dichlorodifluoromethane	ND	ug/L	0.12	1.0	1.0
1,2-Dibromoethane	ND	ug/L	0.33	1.0	1.0
Ethylbenzene	ND	ug/L	0.21	1.0	1.0
Hexachlorobutadiene	ND	ug/L	0.36	1.0	1.0
Isopropylbenzene	ND	ug/L	0.20	1.0	1.0
p-Isopropyltoluene	ND	ug/L	0.29	1.0	1.0
Methyl Ethyl Ketone	ND	ug/L	1.0	5.0	1.0
Methylene Chloride	ND	ug/L	0.24	2.0	1.0
m&p-Xylene	ND	ug/L	0.36	2.0	1.0
Methyl tert-butyl ether	ND	ug/L	0.21	1.0	1.0
Naphthalene	ND	ug/L	0.37	1.0	1.0
2-Chlorotoluene	ND	ug/L	0.16	1.0	1.0
o-Xylene	ND	ug/L	0.19	1.0	1.0
Tetrachloroethene	ND	ug/L	0.18	1.0	1.0
4-Chlorotoluene	ND	ug/L	0.18	1.0	1.0
N-Propylbenzene	ND	ug/L	0.16	1.0	1.0
sec-Butylbenzene	ND	ug/L	0.19	1.0	1.0
Styrene	ND	ug/L	0.18	1.0	1.0
trans-1,2-Dichloroethene	ND	ug/L	0.29	1.0	1.0
trans-1,3-Dichloropropene	ND	ug/L	0.16	1.0	1.0
tert-Butylbenzene	ND	ug/L	0.16	1.0	1.0
Trichloroethene	ND	ug/L	0.13	1.0	1.0
Trichlorofluoromethane	ND	ug/L	0.14	1.0	1.0
Toluene	ND	ug/L	0.18	1.0	1.0
Vinyl chloride	ND	ug/L	0.16	1.0	1.0

Surrogate			Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	107	%	70 - 125
Toluene-d8 (Surr)	103	%	75 - 120
4-Bromofluorobenzene (Surr)	102	%	75 - 120
Dibromofluoromethane	112	%	75 - 120

QUALITY CONTROL RESULTS

Client: ERM Inc. Job Number: 500-7950-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:500-27019					
LCS 500-27019/4	Lab Control Spike	T	Water	8260B	
MB 500-27019/3	Method Blank	T	Water	8260B	
500-7950-1	PDB WATER	T	Water	8260B	

Report Basis
T = Total

Client: ERM Inc.

Job Number: 500-7950-1

Surrogate Recovery Report

8260B Volatile Organic Compounds by GC/MS

Client Matrix: Water

Lab Sample ID	Client Sample ID	12DCE %Rec	TOL %Rec	BFB %Rec	DBFM %Rec
500-7950-1	PDB WATER	107	103	102	112
MB 500-27019/3		111	109	103	112
LCS 500-27019/4		108	108	107	111

Surrogate	Acceptance Limits
12DCE = 1,2-Dichloroethane-d4 (Surr)	70-125
TOL = Toluene-d8 (Surr)	75-120
BFB = 4-Bromofluorobenzene (Surr)	75-120
DBFM = Dibromofluoromethane	75-120

Client: ERM Inc.

Job Number: 500-7950-1

Method Blank - Batch: 500-27019

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 500-27019/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/26/2007 1014
Date Prepared: 11/26/2007 1014

Analysis Batch: 500-27019
Prep Batch: N/A
Units: ug/L

Instrument ID: Agilent 6890N GC - 5973N
Lab File ID: 2M1126.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Result	Qual	MDL	RL
1,1,1,2-Tetrachloroethane	ND		0.33	1.0
1,1,1-Trichloroethane	ND		0.17	1.0
1,1,2,2-Tetrachloroethane	ND		0.34	1.0
1,1,2-Trichloroethane	ND		0.24	1.0
1,1-Dichloroethane	ND		0.15	1.0
1,1-Dichloroethene	ND		0.25	1.0
1,1-Dichloropropene	ND		0.38	1.0
1,2,3-Trichlorobenzene	ND		0.43	1.0
1,2,3-Trichloropropane	ND		0.35	1.0
1,2,4-Trichlorobenzene	ND		0.36	1.0
1,2,4-Trimethylbenzene	ND		0.26	1.0
1,2-Dichloroethane	ND		0.25	1.0
1,2-Dichlorobenzene	ND		0.29	1.0
1,2-Dichloropropane	ND		0.19	1.0
1,3,5-Trimethylbenzene	ND		0.18	1.0
1,3-Dichlorobenzene	ND		0.21	1.0
1,3-Dichloropropane	ND		0.22	1.0
1,4-Dichlorobenzene	ND		0.25	1.0
2,2-Dichloropropane	ND		0.17	1.0
2-Hexanone	ND		0.99	5.0
methyl isobutyl ketone	ND		0.92	5.0
Acetone	ND		1.4	5.0
Benzene	ND		0.23	1.0
Bromobenzene	ND		0.22	1.0
Bromochloromethane	ND		0.27	1.0
Bromodichloromethane	ND		0.22	1.0
Bromomethane	ND		0.59	1.0
Bromoform	ND		0.32	1.0
n-Butylbenzene	ND		0.35	1.0
cis-1,2-Dichloroethene	ND		0.20	1.0
cis-1,3-Dichloropropene	ND		0.15	1.0
Carbon disulfide	ND		0.15	5.0
Carbon tetrachloride	ND		0.34	1.0
Chlorobenzene	ND		0.15	1.0
Chloroethane	ND		0.32	1.0
Chloroform	ND		0.14	1.0
Chloromethane	ND		0.20	1.0
1,2-Dibromo-3-Chloropropane	ND		0.41	2.0
Dibromochloromethane	ND		0.22	1.0
Dibromomethane	ND		0.21	1.0
Dichlorodifluoromethane	ND		0.12	1.0

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ERM Inc.

Job Number: 500-7950-1

Method Blank - Batch: 500-27019

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 500-27019/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/26/2007 1014
Date Prepared: 11/26/2007 1014

Analysis Batch: 500-27019
Prep Batch: N/A
Units: ug/L

Instrument ID: Agilent 6890N GC - 5973N
Lab File ID: 2M1126.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Result	Qual	MDL	RL
1,2-Dibromoethane	ND		0.33	1.0
Ethylbenzene	ND		0.21	1.0
Hexachlorobutadiene	ND		0.36	1.0
Isopropylbenzene	ND		0.20	1.0
p-Isopropyltoluene	ND		0.29	1.0
Methyl Ethyl Ketone	ND		1.0	5.0
Methylene Chloride	ND		0.24	2.0
m&p-Xylene	ND		0.36	2.0
Methyl tert-butyl ether	ND		0.21	1.0
Naphthalene	ND		0.37	1.0
2-Chlorotoluene	ND		0.16	1.0
o-Xylene	ND		0.19	1.0
Tetrachloroethene	ND		0.18	1.0
4-Chlorotoluene	ND		0.18	1.0
N-Propylbenzene	ND		0.16	1.0
sec-Butylbenzene	ND		0.19	1.0
Styrene	ND		0.18	1.0
trans-1,2-Dichloroethene	ND		0.29	1.0
trans-1,3-Dichloropropene	ND		0.16	1.0
tert-Butylbenzene	ND		0.16	1.0
Trichloroethene	ND		0.13	1.0
Trichlorofluoromethane	ND		0.14	1.0
Toluene	ND		0.18	1.0
Vinyl chloride	ND		0.16	1.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	111	70 - 125
Toluene-d8 (Surr)	109	75 - 120
4-Bromofluorobenzene (Surr)	103	75 - 120
Dibromofluoromethane	112	75 - 120

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: ERM Inc.

Job Number: 500-7950-1

Lab Control Spike - Batch: 500-27019

Method: 8260B
Preparation: 5030B

Lab Sample ID: LCS 500-27019/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/26/2007 1037
Date Prepared: 11/26/2007 1037

Analysis Batch: 500-27019
Prep Batch: N/A
Units: ug/L

Instrument ID: Agilent 6890N GC - 5973N
Lab File ID: 2S1126.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,1,2-Tetrachloroethane	25.0	25.0	100	72 - 120	
1,1,1-Trichloroethane	25.0	24.4	98	65 - 129	
1,1,2,2-Tetrachloroethane	25.0	23.9	95	68 - 120	
1,1,2-Trichloroethane	25.0	24.1	96	59 - 135	
1,1-Dichloroethane	25.0	26.2	105	63 - 121	
1,1-Dichloroethene	25.0	23.1	92	50 - 121	
1,1-Dichloropropene	25.0	25.0	100	62 - 122	
1,2,3-Trichlorobenzene	25.0	22.5	90	62 - 120	
1,2,3-Trichloropropane	25.0	21.9	88	70 - 120	
1,2,4-Trichlorobenzene	25.0	22.8	91	63 - 120	
1,2,4-Trimethylbenzene	25.0	26.7	107	76 - 120	
1,2-Dichloroethane	25.0	25.1	100	68 - 120	
1,2-Dichlorobenzene	25.0	24.1	97	74 - 120	
1,2-Dichloropropane	25.0	25.8	103	72 - 120	
1,3,5-Trimethylbenzene	25.0	26.4	106	76 - 120	
1,3-Dichlorobenzene	25.0	24.6	99	76 - 120	
1,3-Dichloropropane	25.0	24.0	96	73 - 120	
1,4-Dichlorobenzene	25.0	23.4	94	74 - 120	
2,2-Dichloropropane	25.0	25.5	102	56 - 134	
2-Hexanone	25.0	23.4	94	54 - 139	
methyl isobutyl ketone	25.0	24.0	96	65 - 128	
Acetone	25.0	24.1	96	22 - 175	
Benzene	25.0	23.6	94	68 - 120	
Bromobenzene	25.0	22.6	90	76 - 120	
Bromochloromethane	25.0	22.8	91	61 - 125	
Bromodichloromethane	25.0	24.8	99	71 - 131	
Bromomethane	25.0	27.9	112	61 - 172	
Bromoform	25.0	23.7	95	55 - 120	
n-Butylbenzene	25.0	27.1	108	68 - 120	
cis-1,2-Dichloroethene	25.0	24.7	99	62 - 127	
cis-1,3-Dichloropropene	26.9	26.0	97	60 - 120	
Carbon disulfide	25.0	22.1	89	33 - 120	
Carbon tetrachloride	25.0	25.0	100	67 - 121	
Chlorobenzene	25.0	24.3	97	75 - 120	
Chloroethane	25.0	30.6	122	56 - 152	
Chloroform	25.0	24.9	100	65 - 127	
Chloromethane	25.0	34.8	139	50 - 140	
1,2-Dibromo-3-Chloropropane	25.0	22.3	89	60 - 120	
Dibromochloromethane	25.0	25.7	103	57 - 132	
Dibromomethane	25.0	21.7	87	71 - 120	
Dichlorodifluoromethane	25.0	28.3	113	21 - 178	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: ERM Inc.

Job Number: 500-7950-1

Lab Control Spike - Batch: 500-27019

Method: 8260B
Preparation: 5030B

Lab Sample ID: LCS 500-27019/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/26/2007 1037
Date Prepared: 11/26/2007 1037

Analysis Batch: 500-27019
Prep Batch: N/A
Units: ug/L

Instrument ID: Agilent 6890N GC - 5973N
Lab File ID: 2S1126.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,2-Dibromoethane	25.0	25.1	101	68 - 125	
Ethylbenzene	25.0	26.0	104	75 - 120	
Hexachlorobutadiene	25.0	26.1	104	54 - 131	
Isopropylbenzene	25.0	23.8	95	68 - 120	
p-Isopropyltoluene	25.0	26.4	106	71 - 120	
Methyl Ethyl Ketone	25.0	21.4	86	36 - 157	
Methylene Chloride	25.0	23.3	93	52 - 126	
m&p-Xylene	50.0	48.9	98	75 - 120	
Methyl tert-butyl ether	25.0	21.2	85	54 - 140	
Naphthalene	25.0	23.6	94	50 - 120	
2-Chlorotoluene	25.0	24.5	98	74 - 120	
o-Xylene	25.0	24.4	98	75 - 120	
Tetrachloroethene	25.0	23.9	96	65 - 120	
4-Chlorotoluene	25.0	23.8	95	75 - 120	
N-Propylbenzene	25.0	25.7	103	74 - 120	
sec-Butylbenzene	25.0	27.5	110	73 - 120	
Styrene	25.0	26.0	104	77 - 120	
trans-1,2-Dichloroethene	25.0	24.1	96	57 - 122	
trans-1,3-Dichloropropene	24.3	21.3	88	61 - 120	
tert-Butylbenzene	25.0	27.5	110	75 - 120	
Trichloroethene	25.0	23.9	96	73 - 120	
Trichlorofluoromethane	25.0	24.6	98	58 - 147	
Toluene	25.0	23.8	95	75 - 120	
Vinyl chloride	25.0	30.6	122	57 - 135	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	108	70 - 125
Toluene-d8 (Surr)	108	75 - 120
4-Bromofluorobenzene (Surr)	107	75 - 120
Dibromofluoromethane	111	75 - 120

Calculations are performed before rounding to avoid round-off errors in calculated results.

Chain of Custody Record

SEVERN TRENT **STL**

Severn Trent Laboratories, Inc.

STL-4124 (0901)

500-7950

11/27/2007

Client	Project Manager	Date	Chain of Custody Number
ERM	Mr. Alan Cook	11/19/2007	318654

Address	Telephone Number (Area Code)/Fax Number	Lab Number	Page 1 of 1
1275T OLIVE BLVD SUITE: 110	(314) 682-3980		

City	State	Zip Code	Site Contact	Lab Contact
St. Louis	MO	63141	Michael Bates	Rich Mamez

Project Name and Location (State)	Carrier/Waybill Number
SECO WASHINGTON, MO	Hand Delivery to Laboratory

Contract/Purchase Order/Quote No.: 0060492.XXXX.03

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil		Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH		Analysis (Attach list if more space is needed): VOC By 8260B											Special Instructions/ Conditions of Receipt
1 PDB WATER	11/19/2007	1100		X							3				X				3x Vial							* SEE COMMENTS *

Possible Hazard Identification: [X] Non-Hazard [ ] Flammable [ ] Skin Irritant [ ] Poison B [ ] Unknown

Sample Disposal: [ ] Return To Client [ ] Disposal By Lab [ ] Archive For ____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: [ ] 24 Hours [ ] 48 Hours [ ] 7 Days [X] 14 Days [ ] 21 Days [ ] Other ____

QC Requirements (Specify):

	Date	Time		Date	Time
1. Relinquished By	11/21/2007	1425	1. Received By	11-21-07	1425
2. Relinquished By TA	11-21-07	1730	2. Received By	11/23/07	0900
3. Relinquished By			3. Received By		

Comments: SAMPLE TO BE SHIPPED TO STL CHICAGO LABORATORY FOR ANALYSIS

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Login Sample Receipt Check List

Client: ERM Inc.

Job Number: 500-7950-1

Login Number: 7950
Creator: Lunt, Jeff T
List Number: 1

List Source: TestAmerica Chicago

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	0.9
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	